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"Static-Free Aerials," by Dr. Rogers

Radio Digest

EVERY WEEK — Illustrated PROGRAMS — TEN CENTS

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By Radio Digest Publishing Co. JANUARY 9, 1926 No. 1

Hoot Owls Hoot and the "Mystery Girl" Unmasks; "King" Milo Gurney Simplifys Radio; Lack of Radio Lost Georgian War; Women's Programs; "Ohm" the Radio Dog, Speaks

TK6540 R4

PIONEER ANNOUNCER WILL FORSAKE MIKE

VOICE OF HAROLD W. ARLIN GAINED FAME AT KDKA

Promotion in Westinghouse Company Will Necessitate His Making Mansfield, Ohio, His Home

PITTSBURGH.—One of the best known voices in the world became silent, as far as the Radio audience is concerned, when Harold W. Arlin, pioneer announcer of the world and chief announcer of Westinghouse Station KDKA since its beginning in 1920, severs his connection with the station to take a position in the commercial world that will necessitate ending his residence in Pittsburgh.

Mr. Arlin remains with the Westinghouse company, however, as he has been appointed manager of personnel for the Westinghouse Electric Products company, at Mansfield, Ohio, and with his removal to the Ohio city has resigned his position as Chief Announcer of KDKA.

Popular All Over World

The hold Mr. Arlin has on the Radio audience is evidenced by the thousands of letters he has received from every section of the United States and from nearly every civilized country in the world. He is one of the incorporators and the first vice-president of the National Association, Radio Announcers of America.

One of the highlights of Mr. Arlin's Radio activities was the handling of the concerts from Wanamaker's in New York and Philadelphia which were transmitted to England by the Westinghouse international short wave relay system.

Mr. Arlin is a native of Missouri and is a graduate of the University of Kansas with the degree of bachelor of science in electrical engineering.

FUNDS ASKED FOR INSPECTION FIELD

Bureau of Budgets Recommends Sufficient Funds to Increase Force

WASHINGTON.—If the recommendation of the bureau of the budget is adopted by congress, sufficient funds will be provided for the Radio section to greatly increase its inspection field force. Such a step would result in greatly improved service to the public through the elimination of interference.

Officials of the budget bureau refuse to disclose the amount they have recommended for the Radio service. The opinion prevails, however, that the demands of the Radio bureau were given more consideration this year than at any previous time.

The budget bureau recommended an increase in the appropriation for the Radio service last year, but the recommendation was defeated in the house appropriation committee.

Pushing Cow Up-Hill Is Better Than Radio Drill

Strong Willed Bossey Provides Exercise and Plenty Laughs

SAN FRANCISCO.—At last something has been found which Radio cannot do. Health training exercises broadcast from KGO are good enough, as thousands of letters testify. But pushing a cow up-hill every morning before breakfast, causing joy in the entire neighborhood, is held to be more efficient than Radio physical drills.

Here is a letter sent to the studio manager of KGO. "I have tried all your exercises, but I like my own little work-out better. Every morning, before breakfast, I wrestle with a strong-willed, determined-eyed cow, pushing her up-hill against her wishes. I must say it puts your Radio exercises completely in the shade for efficiency.

"My cow exercises bring all the muscles of the body into play, and at the same time gives plenty of chance for muscles of the jaws. And the whole neighborhood gets the benefit of the 'laughing exercise,' which you recommend so highly.

Canadian Listeners Can Rent Telephone Poles for Aerials

WINNIPEG, Manitoba.—The owners of Radio receiving sets in Manitoba do not have to take a course in steeplejacking or hire a human fly to put up an aerial. The Manitoba Telephone System, operators of Station CKY, rents the use of its poles for the attachment of Radio antennas in cases where the poles are conveniently located. A small fee is charged for rental, labor and inspection.

Arlin Leaves KDKA

Harold W. Arlin before the microphone of the Westinghouse Station KDKA at Pittsburgh, which he will leave to take up new duties at Mansfield, Ohio.

Deny Broadcasting Stations All Higher Power Requests

WASHINGTON, D. C.—It is understood that the Radio section of the department of commerce is receiving a large number of requests from low-power broadcasting stations in class A for increased power. The department is turning down these requests, it is understood, as recommended by the recent Radio conference in which it was held that increased power should be treated as new stations.

COY MISS ON COVER GIVES BEAUTY HINTS

SOME folks have their good looks by a gift of nature. Others acquire them. We venture that the dainty little miss on our cover this week was just naturally endowed. But one would think it was acquired, to hear her talking to the listeners in over WMBB, Chicago, The call letters stand for the "World's Most Beautiful Ballroom" and that is what they call the Trianon, and beauty is the keynote and spirit of the place. Miss Beulah Clark, this week's cover girl, tells those who would like to know in the privacy of their own homes, by means of the Radio, just what to do to keep beautiful and how to do it. She arouses interest when she is heard and carries conviction when she is seen.

Canadian Railway Stations Are Heard in Los Angeles

MONTREAL, Canada.—Canadian Radio broadcasting stations have long ago established quite enviable reputations for sending their programs great distances, yet a new record has been established by CNRA and CRNV, the Atlantic and Pacific stations, respectively, of the Canadian National Railways, in simultaneously making known their presence in Southern California.. The unusual performance was described in a recent letter from Paul J. Potter of Los Angeles, 3,004 miles away from the most distant of the two plants.

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Looking Ahead

What Does Jiggs Think of Mike When Jiggs Happens to Be a Movie Monk and Mike a microphone? See the answer in next week's Radio Digest. Special article with pictures tells how monkeys, sea lions, birds, dogs and other animals behave in the presence of the microphone and the effect on the listener.

Radio Pie and Wireless Spaghetti are among the new and practical by-products of kitchenette Radio. Ida Bailey Allen, the "Nation's Home-Maker," broadcasts recipes and gives wholesome advice to thousands of listeners who write to her and are helped by her kitchen suggestions. In the next Radio Digest.

Another One of Those Big Eastern Stations—WMCA—will entertain readers of the Radio Digest by proxy of a staff correspondent next week. There will also be an interesting account of how two Kansas City brothers got their start in college through the microphone of the Kansas City Star Radio station.

Radio Station KFOA Is One of the Pioneer Stations of the Great Northwest. It started back in 1922, at the Rhodes department store with 50 watts. It has kept pace with the times and last September marked its third step of progress when it went to 1,000 watts. Story of the rise of this remarkable station in next week's issue.

A. B. C. of Radio Fundamentals, as expounded by Milo Gurney, next week takes up the relationship between Radio and the two allies from which it borrows much—wire telephony and audio telephony. Mr. Gurney, being an old-timer in this field, and having followed it from its dot and dash infancy of 1906, is in a position to give our readers correct, concise, reliable information.

For the "Operating and Trouble Shooting" Series the staff has gone over the Thorola Islodyne and the results of its findings will be contained in next week's issue. These articles are not alone of value to the man who happens to own one of the sets mentioned, but contain much of value as to set design for the home builder.

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AMRAD COMPANY IS BOUGHT BY CROSLEY

STATION WARC WILL AGAIN BROADCAST PROGRAMS

New Radio Receiver Is Designed for Factories of American Radio and Research Corporation

BOSTON.—Assets of the American Radio and Research corporation at Medford Hillside, which went into bankruptcy last April, have been purchased by Powel Crosley, Jr., nationally prominent Radio manufacturer of Cincinnati, it was announced recently by Harold J. Power, former president of the corporation, and before many weeks it is expected that listeners in will again hear Station WARC. A new 500-watt transmitter is near completion and it is planned to send its programs out from one or several of the Boston studios.

A newly organized Amrad Radio corporation will soon go into production, it was announced, with Mr. Power president and Mr. Crosley probably chairman of the board of directors. Mr. Power is credited with being the man responsible for the first programs over the air, back in 1915, when his station was operated under an experimental license with the call letters 1XE. Later, it became WGI, and its last call letters were WARC.

STATIONS STRIVE TO GET LICENSES

Prospective Broadcasters Making Every Effort for Wave Length —Door Has Closed

WASHINGTON, D. C.—Almost frantic efforts are being made by the owners of new stations already constructed or almost near completion to get wave lengths for them before the door is finally closed to new broadcasters.

In some cases, these newly constructed stations will be given wave lengths, according to officials of the department of commerce. It will depend entirely on the circumstances connected with each individual case.

Three stations are known by the department of commerce to be near completion and about ready to go on the air. One is in New York, another in Chicago, and the other in St. Louis. In the cases of the New York and Chicago stations, it is doubtful if they have much chance of getting a wave length at present. It is believed that the new St. Louis station may be given a wave length as soon as it is possible to do so.

In individual cases, according to commerce officials, much will depend on whether the station was warned in advance that it could not get a wave length. If the station was constructed in the face of such a warning, it may not receive very sympathetic consideration by the government.

Radio to Link British, U. S. Telephone Lines

Committee to Investigate Possibilities Following Experiments

LONDON.—With a view to linking up the American and British telephone systems by means of Radio telephony, further experiments will be made at an early date. For some time there has been regular transmission of Radio telephonic messages from America to England, and these have been received by the post office and by the International Western Electric company.

The success of the American experiments led the postmaster-general in 1923 to appoint a committee to investigate the possibility of transatlantic Radio telephony being established on a reliable commercial scale.

Cincinnati Organists Will Present Series of Concerts

CINCINNATI.—Radio listeners will have the opportunity to hear the outstanding organists of Cincinnati in recitals to be given through the Crosley WLW broadcasting station every Sunday afternoon, beginning at three o'clock.

The first recital was by Adolph H. Staderman, who was organist for the Cincinnati May festival for many years.

Programs are made up of a group of old favorite hymns and also the standard organ repertoire.

Among the organists who will participate in this service, are: Mrs. Lillian Tyler Plogstedt, John J. Fehring, C. Hugo Grimm, Leo Thuis, Mrs. Lillian Arkell Rixford, J. Alfred Schehl and others.

OVERSEAS TRYOUTS FOCUS DIALS

NEWS BRIEFS FROM THE BROADCASTERS

ART HICKMAN LEAVES KHJ FOR LURE OF FLORIDA

Victor Concerts Now on WJZ Chain—Old Fiddlers Meet at WOS—Paul Reese at KFI

Florida is even attracting southern Californians. Art Hickman's band, long a broadcasting event of KHJ, Los Angeles, is moving to that state. A very good orchestra, Don Clark's La Monica orchestra takes the place of the band. Don Clark the leader was formerly a saxophone soloist with Paul Whitman.

* *

A series of fine programs will be given this winter by the Victor Phonograph company over stations WJZ, WRC, WBZ, KDKA, and KFKX. These programs will include many celebrities.

* *

Station WOS, Jefferson City, Mo., fiddled out the old year and fiddled in the new when over 80 old-time fiddlers from the state of Missouri gathered before the microphone of this broadcaster. The best old-time fiddler was chosen by the fans listening in. Postcards, telegrams, and telephone calls determined the winner.

* *

Paul Reese, the popular announcer at KFI, Los Angeles, after an absence of several months, during which time he has been studying operatic roles, will return to his home station.

* *

The KGO Little Symphony orchestra, Sunday afternoon, January 10, will feature the Dvorak New World symphony. Arthur S. Garbett, musical interpretative writer, will give a short talk about Dvorak and his work before the playing of the symphony by the orchestra. Ruth Waterman, contralto, will be the guest artist assisting.

* *

The children had a special matinee recently at WOR Newark, when "Alice in Wonderland" was given. Only the most amusing scenes were played. The director of the Children's Radio theater, Clare Tree Major, gave the play in January because this is the birth month of Lewis Carroll.

* *

The Wanamaker series which was popular with fans last year has been resumed from WJZ, New York. The opening program presented the famous Russian string quartet and John Barnes Wells, tenor.

* *

On Saturday night, January 16, the Hernandez Brothers, artists of all stringed instruments plucked with the fingers, will broadcast their first concert to American listeners, from KGO, Oakland, beginning at 8:10 p. m., pacific time. The brothers are native Indians from Columbia, Central America, and play the music of their native land as only natives can.

* *

Robert Visconti's Hotel Gibson orchestra will be heard through WLW from 12:30 to 1 p. m. central time Tuesday and Fridays, and Monday, Wednesday and Thursday evenings from 7 to 8 p. m.

* *

Norman Brokenshire who has been heard lately from WRC, Washington, D. C., is back at WJZ, New York. He will take care of the microphone of the station which will use at times 50,000 watts.

* *

Old favorites are rapidly returning to the air and one of the recent "come back's" is the Sunday evening concert by Joseph Knecht's orchestra at WJZ.

* *

The Curb is the Limit club has reached its 100,000th member. Uncle Bob of KYW sent the 100,000th membership button to Joan Jule Kovacs, South Bend, Indiana. This club is to remind children to look both ways and count 10 before crossing streets.

* *

Vincent Lopez and his orchestra, who since 1923 have been one of the most popular dance organizations on the program of WEAF, is now broadcasting from a chain of eight stations direct from Casa Lopez (the house of Lopez), in New York city.

* *

Rudy Seiger, violinist-director of the Fairmount hotel orchestra, a daily feature of KPO, is again on the air. Mr. Seiger returns from a three months' European tour, during which he studied the new music and broadcasting conditions in European countries. He appeared this summer at WLS, Chicago; WEAF, New York; 2LO, London, and FL, Paris.

International Test Programs

COMPLETE, exclusive and special programs for the week of January 24 to 30, inclusive, for every European broadcasting station participating in the international tests, will appear in advance in Radio Digest, edition of January 23. Pictures and stories relating to European stations will appear as well in this special issue. Radio Digest staff correspondents in Great Britain and Continental Europe will give American listeners the best information obtainable anywhere on the international tests.

Wave lengths, hours, descriptions in detail of each number to be broadcast by European stations—all this and more will be found in the January 23 issue of Radio Digest. Be sure to reserve a copy at your newsstand. The special International Week issue will be in great demand.

TRULY SHATTUCK TELLS SECRETS

Truly Shattuck, one of the many musical comedy stars who have joined the ranks of Radio, recently told WLW listeners her secrets of beauty. Plastic surgery operations were a big help, she remarked, but proper diet and exercise are equally important. The picture above is mute testimony to the truth of her statements.

WLW Broadcasts Reports On Ohio River Conditions

CINCINNATI.—Through the efforts of Major W. W. Parker of the U. S. Engineers here, navigators, shippers, farmers and others for a stretch of 1,000 miles along the Ohio river, from Pittsburgh to Cairo, are receiving complete river information by Radio each morning.

At 10:45 a. m. central time, WLW broadcasts the official news of the weather, its prospects, the river and its stages, any unusual conditions or prospects in the tributaries of the Ohio, and whether the many dams on the thousand-mile stretch are up or down.

E. C. J. Sandback WGBU Director

BROOKLYN.—Edward C. J. Sandback of Brooklyn N. Y., has been appointed studio director and chief announcer at Station WGBU, Fulford-by-the-Sea, in place of "Bob" Nolan who has resigned on account of his health. It was announced recently by M. C. Tebbetts, president of the Fulford-by-the-Sea chamber of commerce, which operates the station.

KTNT Tower Tumbles

MUSCATINE, Ia.—KTNT, located here, but a few weeks on the air, had a bad stroke of beginner's luck when one of its towers, 133 feet high, collapsed and fell to the ground while being erected. A temporary wooden pole has enabled broadcasting to proceed, however.

Station Changes

Florida is booming in Radio stations as well as in real estate. The new voice is WDBO, Winter Park, Fla., 500 watts, 240 meters. The director is an old WSB man, Ed McConnell.

"The Voice of St. Louis" went on the air last week with the call KMOX. This station is more or less a community affair as 13 St. Louis organizations are contributing to its support. The station is located on the Hotel Mayfair at Kirkwood, Mo. The wave length is 261 meters.

The Haverford college new 1000-watt station is nearing completion and soon the call WABQ will be heard throughout the United States. This broadcaster is located in a suburb of Philadelphia.

Another familiar broadcaster is puzzling fans with a new call. KFDJ, Corvallis, Ore. went on the air recently with the call KOAC.

The new Baltimore station, WBAL, has changed its wave length. Dial 246 meters or 1220 kilocycles now for this broadcaster.

Loud Speaker Hook-Up

Dance music sufficiently loud to fill a good-size hall may be had by wiring several loud speakers together in series.

FANS ARE AWAITING FOREIGN PROGRAMS

INTERNATIONAL TESTS HOLD GREAT INTEREST

With Pacific Coast Stations Only Exception, U. S. Broadcasters Getting Excellent Cooperation

CHICAGO.—With the interest of the Radio audiences over Europe and the western hemisphere steadily increasing and the greatest cooperation in the history of the tests being enjoyed by the broadcasters in the different countries and by those in charge of the arrangements, the Fourth International Radio Broadcasting tests, during the week January 24-30, promise to be the biggest event that has been staged in the industry. Fans from more than 20 nations are clamouring for information concerning the tests and stations everywhere except on the Pacific coast are adopting an unselfish attitude, expressing their willingness to do what lies within their power to assure an overseas exchange of programs.

To Unite Radio Fans

The international Radio week will be the most extensive program of international cooperation yet staged and the good to result from it will do more toward drawing the Radio fans of the world together than any single thing that has been done so far, in the opinion of Powel Crosley, Jr., chairman of the executive commitee for the tests.

Foreign stations are arranging the most extensive programs they have put on the air and, undoubtedly, American and Canadian stations will extend themselves during the week. The complete programs of both the American and foreign stations will be carried in the Radio Digest in the issue of January 23. The call letters, wave lengths and other information to help the listener in will be given as well as pictures and feature articles relating to the European artists and stations.

Will Use High Power

Numerous stations this side of the Atlantic have signified their intention of increasing their power for the tests and practically every transmitter will be put in its best shape to get its greatest efficiency. Station OAK of Lima, Peru, is one of the latest foreign stations to announce their cooperation and will send on a wave length of 380 meters with increased power. Seven languages will be heard in the special addresses broadcast from Station KFUO, St. Louis, on Sunday, January 24, the opening day. Seven students of theology at Concordia seminary will broadcast the same message to the world.

Friday Night Is U. S. Special

During the week all broadcasting stations in the North American continent, including some South American stations, will be silent from 10 to 11 p. m., central standard time, to allow the European programs, which will be broadcast from 4 to 5 a. m., Greenwich time, to be received here without interference. This schedule will be followed during the week except on Friday night when for the first 15 minutes of the silent hour, the Atlantic coast stations will have the monopoly of the air, for the second 15 minutes the central western stations will broadcast, for the third quarter of the hour, the Rocky Mountain stations will be heard, and for the last 15 minutes of the specified time, the Pacific Coast stations will be sending out their programs.

Canada and Mexico Saturday

Saturday of the Radio week, January 30, the same domestic program will be carried out during the silent hour, except that during the first 15 minutes, the Canadian stations will have their chance, then the northern U. S. stations, next the southern U. S. stations, and during the last 15 minutes our Mexican neighbors will fill the air with their "hot tamale" messages.

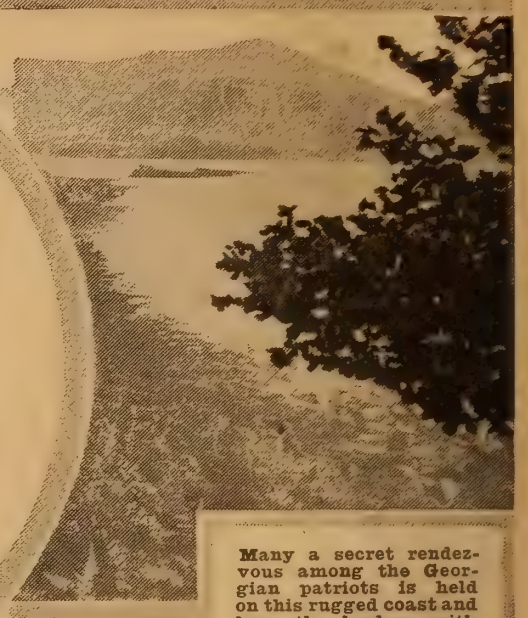
Pacific Coast Refuses Period

At this time, just prior to going to the press, there remains but one obstacle to perfect cooperation between the different sections of this country in the tests. The majority of the major stations of the Pacific coast have refused to keep off the air or participate in the test program for the interchange of entertainment, and, unless previous decisions are rescinded, will prevent the United States from giving their full cooperation to the other 25 to 30 nations who will take part in the tests. KGO, the General Electric company's station at San Francisco, have, however, signified their intention of remaining silent at the specified times during the week as requested by the International Radio Week committee.

Three-Word Radiogram Could Have Won War

This smiling "Molly Pitcher" of the Georgian rebellion helped fight for her country's freedom.

Government by Radio is conducted from Paris by President M. Jordiana (below) of Georgia republic.



Many a secret rendezvous among the Georgian patriots is held on this rugged coast and here the leaders with concealed sets hear from their chief in Paris.

Georgian warriors chased Russian Reds over this road.

AT LAST the hour had struck. The patriots of Georgia were marching to war for freedom from Red Russia. All the arduous months of rigid discipline and constant drilling in the hidden recesses of the Caucasian foothills had fulminated. They had come to the jump-off. And now it was war—war to freedom for the white race against the bronzed slavic.

The leaders were devoted and ready to die for their cause. They had rehearsed every attack, had forefended every imaginable contingency, and yet, they had missed one vital point, one modern weapon—

Through the night the armed units moved bravely and swiftly. They surrounded the garrisons of the hated Russians. Struggles were brief and invariably successful for the conquering heroes. But it was a far flung line. The detachments that held the bridgeheads to the main command of the Moscow hordes were out of constant touch. One small detachment was surprised by the enemy. A spark —three words to the next command—"blow up bridges" would have saved a nation—but—

Frederic M. Delano, Paris correspondent of Radio Digest, presents herewith an exclusive and vivid account of one of the most dramatic incidents of modern history.

BY FREDERIC M. DELANO

Pa.is Correspondent of Radio Digest

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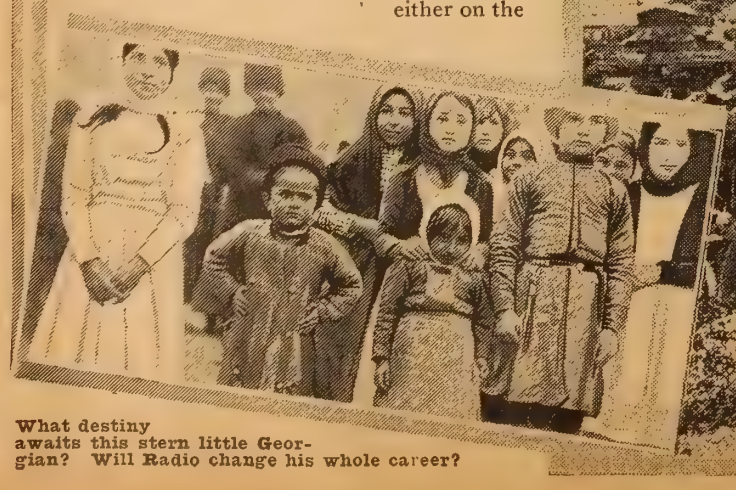
RADIO is playing a leading part in one of the strangest and most moving of national dramas of our time in the rugged foothills of the Caucasus, where the Georgians are awaiting their next opportunity to rise against the Russians.

In its main outlines, the story of this heroic struggle is well known. The three Caucasian republics, Armenia, Georgia and Adzerbadjin have for some years past been under the rule of Red Moscow. The Armenians, as is their nature, seek trade and profit where it is to be got without any burning desire to sacrifice either on the altar of freedom, so they give the Russians little trouble. The Mohammedans of Adzerbadjan look to Turkey for future aid and are content in the meantime to offer merely sullen acquiescence to the rule of the Moscow politicians. But the Georgians, white-skinned, proud mountaineers, are made of sterner stuff, and on several occasions they have risen and sought to drive out the oppressors.

The last big attempt was in the fall of last year. After serious fighting throughout the country, the rebellion was crushed. According to one of the most prominent of Georgian leaders in the field at that time "it was crushed through lack of Radio."

What he meant was this. The country is fairly big, with exceedingly difficult communications. The rising had, of course, to be prepared in profound secrecy and the guerilla nature of the fighting made open relations between the different districts difficult. "We lacked some means of general communication between our various columns. We lacked, for instance, some swift means of conveying an order to one local commander to blow up certain railway bridges on the main line the Russians had to use in order to bring up reinforcements. Had we had any Radio equipment, this would have been a (*Continued on page 28*)

Under the heel of the Moscow terrorist is this proud city of Tiflis (below), capital of the Georgian republic. But Radio keeps the spark of hope alive and some day the patriots may rise again.



What destiny awaits this stern little Georgian? Will Radio change his whole career?

Ohm Tells Wee Lo of Story Tellers' Hour

This is Val McLaughlin (above) the Lady with a Thousand Smiles who was first the Voice for the Little Listeners of WOC, Davenport, and more recently of WOAW, Omaha. In the circle above is Cousin Oswald of KHJ, Los Angeles. In the circle at the left is Big Brother Bob Emery of WEEI, Boston. Dream Daddy Harry E. Ehrhart (left), WLIT, Philadelphia, is one of the original Bed Time Story Tellers. At the bottom of the page is famous "Uncle Bob" of KYW, Chicago. Beside him are two of the millions of Little Listeners.

BY H. P. BROWN

THERE sat Ohm, the Big Radio Dog, broadcasting from Station USA during the regular Bed Time Story Hour, there he sat like a paper doll (because he had no thickness) on the Aerial with his ears pricked up like a tall M watching Something that crept slowly toward him from the Shadows of the dark buildings.

The Something that kept creeping along swinging its arms was the Sandman. It was early and the bag was full of sand so that he could hardly carry it. Ohm, the Big Radio Dog, jumped up on his hind feet that looked like an inverted A. Only a Radiolier could have seen him because it was just like looking at the edge of a piece of paper. He was afraid of the Sandman. He did not want to go to bed. But it was almost the end of the Bed Time Lullaby Hour and that is the time when most Radio Dogs (Big Ones by the name of Ohm) should be tucked into Bed.

And as the Sandman drew nearer, Ohm, the Big Radio Dog, grew so Nervous he almost slipped off the Aerial. Just then a Long Radio Wave—about a thousand Meters, I guess, came loping along like a measuring Worm. Ohm, the Big Radio Dog, called to it:

"Bow Wow! Heigh Ho!
On your back, may I go?"

Although he was in a Great Hurry the long, loping Radio Wave turned around to see if it was a real Radio Dog and not any other kind of a dog and he smilled and when he answered it was a hum like a Lullaby Song.

"On my back, Big Dog Ohm—
You'll slow me up where e'r I Roam
But where'll you go, China or Home?"

Ohm was fidgeting on the Wire as though it were red hot. He looked back at the Sandman who was getting nearer and he said:

"To China, if you please—
Get me there, quick as a sneeze!"

Well, would you believe it, as quick as a sneeze and about one millionth of a second quicker Ohm, the Big Radio Dog, broadcasting from USA was in China. Once more he found himself swinging on an aerial. This time it was stretched between two high bamboo poles. Below him was a red tile roof. And back of the roof he could look down into a garden with rose bushes in full bloom and a little stone fountain. He was still panting for it was a fast hop—about 186,000 miles a second—as he sat swinging on the aerial his long, flat paper-like tail twisted about the No. 14 strand wire. Over the house tops he could see the Ocean and the Sun was getting up from its morning's bath like the half of a great rose-red plate. He had passed it on the ocean after he had left the USA.

And as Ohm, the Big Radio Dog, broadcasting from USA at the regular Bed (*Continued on page 10*)

KPRC Helps Conquest of Texas Air Ranges

TEXAS IS the biggest brother in the big family Union. Every school child knows there is more air at large over the area between Amarillo and Brownsville and El Paso and Beaumont than over the entire German republic.

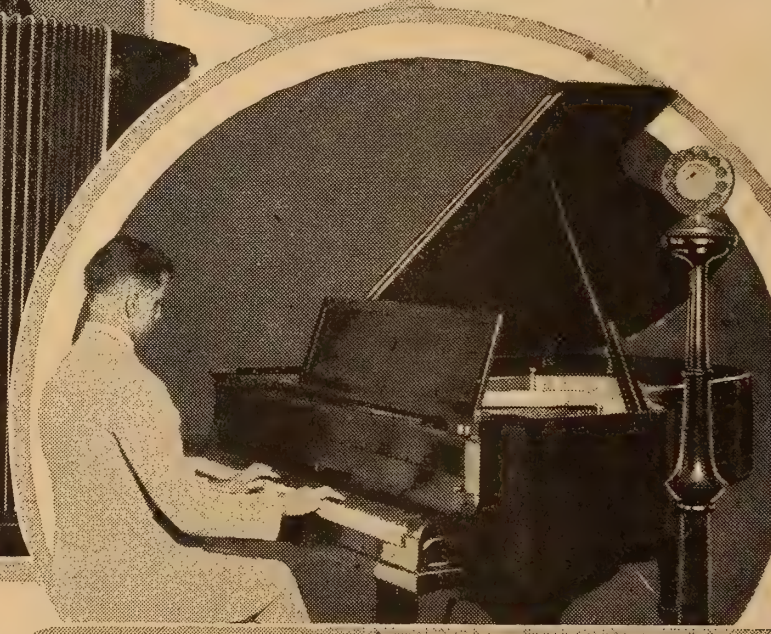
Yet it is scarcely true to declare that this vast etherial space over the Lone Star state is "at large." The fact is it is pretty well roped and tied according to the standards established by the fathers when barbwire was unknown and ranches were ordinarily defined by the surveyor's stakes.

Texas may be a big state but it is not gawky. And the big men (they also grow more six footers to the square mile than any other state in the Union) have the atmosphere pretty well corralled so far as Radio is concerned. The 262,896 square miles within its borders are charged with the finest kind of Radio entertainment. The lonely rancher far off the motor trails and the track of the Iron Horse can slip out of his saddle into an easy chair, flip a dial or two, and hitch his Pegasus before the Rice Hotel of Houston or the Paso del Norte at El Paso, go in and listen to the music.

W. P. Hobby, former governor of the state personally inaugurated KPRC at Houston. He tendered the institution to the service of the state on behalf of the Houston Post-Dispatch of which he is president. Houston needed a Radio station. It was the strategic point for one and on three weeks' notice G. E. Zimmerman, the present supervisor, had the parts assembled and put together ready for the first concert.

Of course there was a particular need for the rush order and the story of the occasion and the organization are told by the Texas correspondent of the Radio Digest, Mrs. Susan Haymes, as follows:

Here he is, girls, Alfred P. Daniel (top) the good-looking announcer at KPRC. On his lapel you see Edna Adams, "Sweetheart of the Air" and under his eye is charming Lois Lilley, assistant.



G. E. Zimmerman (left) is the capable supervisor who installed KPRC in the record time of three weeks. He is assisted by Harry Crossman (above) an expert operator.

"Hello folks, everywhere," were the first words spoken into the air from Station KPRC —Houston, Texas, "Kotton Port Rail Center," the broadcasting station of the Houston Post-Dispatch. At exactly 8 o'clock, central time, on the night of May 9, 1925, KPRC came into being. Its opening was coincident with the beginning of the world convention of Associated Advertising clubs which met in Houston, May 9 to 14. The usual formalities of opening addresses were interspersed with most out-of-the-ordinary talent, for KPRC was brought into existence quickly with a definite purpose—the Houston Post-Dispatch wanted to give to the nations the details of the entire convention program—and success of the very highest order prevailed.

The First Garrison band of Mexico—a messenger of good will, sent to the convention by President Calles of the Republic of Mexico, himself a Radio enthusiast—was the biggest musical event of KPRC's initial broadcast. The weather was admirable and the large outdoor promenade studio was christened with the selections "Over the Waves" and "La Golondrina," played as only native Mexicans can play the numbers so dear to their hearts.

Mayor Oscar F. Holcombe of the city of Houston, was first to apply the slogan of KPRC and briefly told of the fitness of the application to Houston as a port and rail center of prime importance.

Former governor of the state of Texas, W. P. Hobby, now president of the Houston Post-Dispatch, gave the dedicatory address in terms of unmistakable generosity, whereby KPRC entered the field of the air to enlarge the knowledge of her listeners and to widen the horizon of usefulness for the Houston Post-Dispatch.

The Royal Scotch Highlanders band of St. Petersburg, Fla., a bright light of the convention week, furnished a full score of entertainment numbers.

Judd Mortimer Lewis, the poet laureate of the south and children's story teller, gave the kiddies of all ages a much too short sample of some of the "Kiddies Hour" readings. "Uncle Judd's Kiddies Hour" is a daily 7 p. m. feature.

KPRC was built, housed, tested and put on the air in the record time of three weeks—every detail had been completed and all adjustments were made, that spelled absolute success for KPRC from the very beginning. The first program brought acknowledgments from the four corners of the continent. Edmonton, Alberta, Canada; St. Albans Bay, Vermont; Kingston, Jamaica, B. W. I., and Guatamala were among the first to wire of their reception.

KPRC is a standard 500-watt Western Electric, latest type 101-B transmitter complete, and operates on a wave length of 296.9. A valued appurtenance of the operating room is the quartz crystal oscillator, ground to maintain frequency, 1,010 kilocycles, at all times.

KPRC was installed by G. E. Zimmerman who is now supervisor. His Radio career has been wide and varied.

KPRC is admirably located in a suite of four rooms atop the Houston Post-Dispatch newspaper plant, far enough from the heart of a bustling city for ideal Radiocasting. The 135-foot steel towers may be seen from a great distance; at night a white light casts them in bold relief.

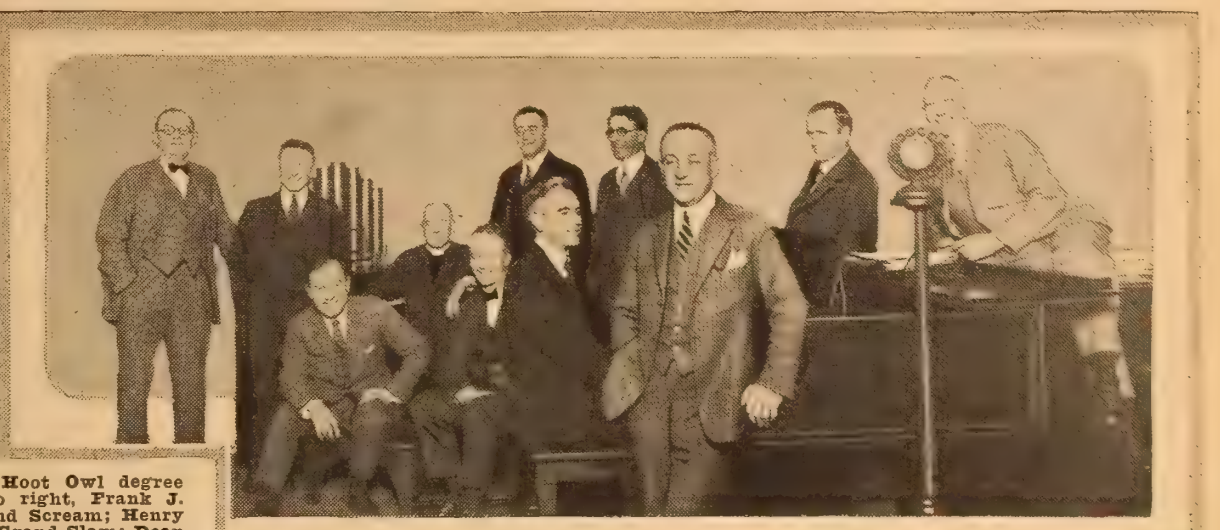
The studio construction embodys all the advanced principles in acoustics and arrangement. It is walled with celotex lumber, claimed perfect for broadcasting. Soft drapes in a subdued shade of Radio fleece attains a most attractive background. Heavily piled taupe rugs lessen the footfalls of enthusiastic fans who are cordially welcomed to KPRC. There is a friendly air about the studio, with its ample seating capacity, wide open windows and hospitable personnel.

Alfred P. Daniel is announcer and program director and is early being recognized for his clear-cut diction and enunciation. While still a young man, he is an old-timer in Radio. He has earned for this station an enviable position, due to his judgment and tact. He realizes the responsibility of his office, that the station is dedicated to service and the ideals of a great newspaper, and is guided by the further conviction that the privilege of broadcasting carries with it the duty of providing the vast unseen audience with programs that are really worth while hearing. (*Continued on page 10*)

Few artists, American born, have mastered the accordion as well as Miss Virginia Willrich (above, left) at KPRC and with Frank Tilton, the blind pianist, this station has two outstanding instrumentalists. Another big feature is the Sylvan Beach Orchestra (right) of the Port Houston Playground.

Hungari Hoot Owls Roost at KGW Portland

Ever see a singing owl? Behold, then, the young lady just above these lines, Miss Kathleen Duffy, sweet caroler of the KGW Hoot Owls.



At right is Hoot Owl degree team—left to right, Frank J. Sardam, Grand Scream; Henry W. Metzger, Grand Slam; Dean Collins, Grand Sonnet; Bishop W. T. Sumner, Grand Sermon; Alan (Punch) Green, Grand Songsmith; Barnett H. Goldstein, Grand Schmoos; Wm. Robinson Boone (seated at piano), Grand Skipano; R. G. Calvert, Grand Skidoo; Chas. F. Berg, Grand Screech; A. C. Dixon, Grand Scratch, and "Tige" Reynolds, Grand Sketch.

APEPPY New York newspaper man, feeling that the great metropolis could be trusted to continue without him, decided to go West. So he bought a ticket for Portland, Oregon. He never regretted his decision. He speedily found himself annexed to the Oregonian and since 1923 has been director of that newspaper's broadcasting station, KGW. Now R. V. (Dick) Haller—for 'tis none other than—wouldn't give one solitary hoot for all the effete in the Knickerbocker kingdom. No, he has other uses for his hoots. He is the Grand Gazaboo and Hootmeister Extraordinary of the Keep Growing Wiser Order of Hoot Owls.

This is one of the most prominent and exclusive (you have to qualify as a KGW listener before you can join) Radio clubs west of the Mississippi river. During a lucid interval the Grand Quillshover of the order was persuaded to disclose the secrets of the order in a special article which begins on this page.

Enigma, the Hoot Owl Mystery Maid, is unmasked and her face with the mask removed is shown to the right. However, her name was still a mystery at the time these lines were written, for that was one secret the Grand Quillshover guarded jealously up to the time of the Hungari.

Left to right, above, are, William and Dick. "William" is sometimes known as "Sweet William" but Dick's other name is Haller. Both are important in the process of joining the famous Hoot Owls congregation at KGW. "Enigma," right, unmasked. Do you know her name?

BY THE GRAND QUILLSHOVER

Secretary to the Grand Scream of the Hoot Owls

THE KGW, KEEP Growing Wiser Order of Hoot Owls' "Hungari"!!

These magic words create such a furore 'way out west in Portland, Oregan, that their first mention causes strong men to weep with joy and makes the youngest of infants stop their crying and laugh with little cooings of happiness. For do not the Hoot Owls, that fun radiating, gloom-chasing, sunshine-distributing group at KGW, the Oregonian at Portland, Oregon, accomplish just these very things when they get their microphone on the air at their annual Hungari given the first Friday of every New Year? Emphatically—they do!

The inception of the "KGW, KEEP GROWING WISER" order of Hoot Owls at the Oregonian station of Portland, was accomplished 'way back . . . . le' see, yes, guess it was too—'way back in the spring of 1923 A. D. My! how tempus sure does fleets. What's that? Why A. D. means "After Dick," of course. Alright, alright, I'll expoundulate. Yu'see A. D. means "After Dick," "After Dick," means "After Dick Haller," and all that means "After Dick Haller had taken charge of KGW, and had thought up his little scheme of having an order of Hoot Owls." Sabe?

Now, getting down to a serious definition of the purpose and aims of the KGW order of Hoot Owls, we find that this order was organized in the spring of 1923 by R. V. (Dick) Haller, director of KGW, for the express purpose of providing a galaxy of clean, whole-hearted fun for Radio listeners. With this one idea in mind, a group of men who could accomplish these ends were recruited from the business element of Portland; care being exercised in demanding that each member of the degree team be a jolly good fellow and a really good sport. Such a group of men was enrolled as the official degree team of the newly-formed Keep Growing Wiser order of Hoot Owls, and at their first conference (*Continued on page 26*)

Good for a dreamy ballad or those wicked blues, Helen Nordstrom Boohr (above), sings them all for the Hooters with Miss Ruth Mead assisting at the piano. And a nestful of Owlets (left) who help at KGW, Portland, Ore.

STATIONS' SIGNALS BIGGEST OBSTACLE

MOST OF INTERFERENCE DUE TO CONGESTION

Bureau of Standards Makes Public Analysis of Main Causes of Imperfect Reception

WASHINGTON.—The greatest obstacle to perfect Radio reception is broadcasting station interference, according to an analysis just made public by the bureau of standards. The second greatest obstacle is atmospheric interference, while fading is third.

The analysis of the bureau was of the results of a series of observations covering a period of one year, from August, 1922, to July, 1923. Cooperating with the bureau in the tests were 100 voluntary observers who made approximately 8,500 observations on the signals of KDKA, East Pittsburgh.

The analysis showed the following relative magnitude of obstacles to reception: No obstacles, 32.4 per cent; other broadcasting stations, 25.7 per cent; atmospherics, 15.7 per cent; fading, 12.2 per cent.

Since there has been a big increase in the number of broadcasting stations since the observations were taken, it is believed that station interference for 1925 would show a much higher percentage.

Distance Not a Gauge

A theory which is given credulence by the analysis is that signals from distant stations are often of greater intensity than signals from stations of similar power, but located comparatively near the observer.

The data in question showed that there is a sharp drop in the intensity of station signals for the first 75 miles. Between 75 and 125 miles there is a slight increase in signal strength, while between 125 and 175 miles there is another sharp drop. Between 175 and up to 450 miles there is a steady and gradual increase in signal strength.

The analysis shows that the strength of atmospherics for the period studied were greatest in September, and least in February. Fading was greatest in October and least in February.

CONTEST DECIDES SLOGAN FOR KFAB

"Home Sweet Home Station" Is Motto Selected by Lincoln, Neb., Broadcaster

LINCOLN, Neb.—"The Home Sweet Home Station" is the slogan selected as the winner from a total of 142,636 replies received to Station KFAB's request broadcast in connection with the station's first birthday party. Dick Stone of Gillette, Wyoming, submitted the winning slogan and was awarded the grand prize of the contest, a Buick Standard Six.

During the two weeks that followed the birthday program, 13,909 telegrams, 2,639 long distance telephone calls and 126,088 cards and letters were received at the station.

Send Aviation Talks

WHB, the Sweeney Automotive and Electrical school, has recently inaugurated a series of aviation talks. These are given every Thursday evening at 7:30, central time, and are given by Mr. Harry C. Wimer, who is well known in aeronautical circles and who is the chief instructor in the new aviation department in the Sweeney school.

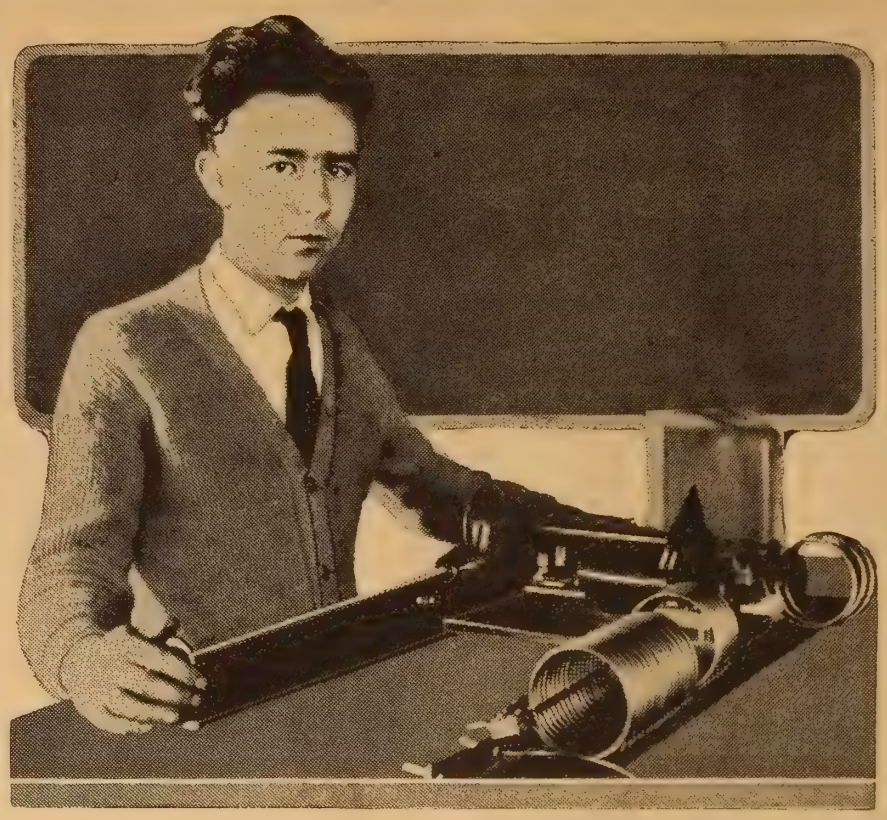
Butte Has Big Club

BUTTE, Mont.—Although not having a broadcaster in or near the city, Butte has one of the largest, if not the largest, Radio clubs in the United States.

FIVE WILL RESPOND TO NAME "EUGENE"

CINCINNATI, Ohio.—One can nearly always find "Eugene" at Station WKRC, here, and one will be lucky if five young men do not answer a call for him. The secret of this strange phenomena is that there are five "Eugenes" permanently located with the studio and on its programs. To avoid confusion they are known as "number one," "number two," and so on down the line. The five "Eugenes" on the studio payroll are: Eugene Mittendorf, studio director; Eugene Perazzo, musical director; Eugene Schmidt, tenor soloist; Eugene Wesselman and Eugene Huber, operators.

CLAIMS PRIVACY IN TRANSMISSION



Radio stations may become nearly as confidential as telephone lines if the projected invention shown above with its inventor, Winfield W. Salisbury, student at the University of Iowa, is successful. He has succeeded in oscillating the shortest known amateur waves. He uses a dial with 10,000 graduations, one of which will tune out his short waves.

NEW YORK AQUARIUM TO GIVE NEW SERIES

Miss Ida M. Mellen Will Talk Over Station WEAF

NEW YORK.—The New York aquarium announces that the long and popular series of Radio talks given from Station WEAF, on alternate Fridays since June 1925, by Miss Ida M. Mellen, assistant to the director of the aquarium, will be repeated during 1926, in response to many requests.

This time Miss Mellen will be heard on occasional Wednesday evenings in the New York Zoological society series, Station WJZ, beginning with two talks in February—one on the New York aquarium and its denizens, and one of goldfishes and the care of fishes in captivity. These will be followed by 10 other talks on fishes, succeeding subjects being whales and porpoises, sea birds at the aquarium, seals, etc.

British Notes

A novelty item soon to be broadcast from all British stations will afford amateur detectives a chance to shine. The plot is based on a murder supposed to occur in an apartment house in West London. Listeners will be asked to furnish the best explanation of the mystery, and to send their solutions to the British Broadcasting company. The fan whose attempt most closely approximates the actual solution, will win $500. All contestants must donate 25 cents to charity. The first broadcast deals with the murder and an arrest; the trial is to be broadcast five days later.

What does it feel like to drive a subway train? British listeners will shortly hear the experiences of a driver employed on the London Underground railway, and he will try to convey an impression of his daily life rushing to and fro in the bowels of the earth.

English stations heralded in the New Year with two hours of dance music. From midnight on December 31 to 2 a. m. on January 1, the dance music at the Albert hall, the largest hall in the country, was relayed to 2LO and 5XX.

The London county council is to follow the example of the House of Lords by installing earphones to improve the hearing in the council chamber. A phone will be provided for every member of the council, and a number of phones will be installed in the press gallery.

Is Northernmost Radio Station

OSLO.—The nothernmost Radio station (code) in the world at present, it is stated, is that at Longyear-city on the island of Spitzbergen. The station is situated on the shore of Advent Bay, its geographical position being 78 degrees 20 minutes north.

RADIO TELEPATHY TRY IS COMPLETE FAILURE

British Attempt to Send Thoughts Fails to Work Out

LONDON, Eng.—Mental telepathy by Radio which was tried out by the British Broadcasting company here, was a complete failure according to reports received after the test.

Eight subjects, men and women, were locked in a room and told to concentrate upon what subject the millions of fans throughout the country were thinking about. The announcer informed the "guessers" that the first subject was a letter of the alphabet. The letter happened to be "K."

One of those in the locked room guessed "K" as the letter after three trials. This was the nearest that anyone of them came to the solution.

Radio Brings Isolated Miners News of World

Sections Remote from Telegraph Kept Informed

SPOKANE, Wash.—Several hundred miners, situated in regions of Idaho remote from the railroads and the telegraph, some of them well up on snow-clad mountains, with the aid of the Radio are as intimately in touch with the news of the world as a man buying the latest edition of a newspaper on a city street, according to Stewart Campbell of Boise, state mine inspector.

"I obtained most of my immediate information about the ball games and other happenings for the last 18 days of a tour of Montana by Radio," said Mr. Campbell while a visitor at Spokane recently.

"The Bunker Hill & Sullivan has a large Radio at the scene of its operation in Deadwood basin, as well as many other mining companies.

"The Radio is a great thing for the isolated mining camps. It brings civilization right into them. The only thing disliked about it by some of the miners is that they can not contradict or get back at it if anything is said that they do not like to agree upon."

Approve N. S. W. Relay Scheme

WASHINGTON, D. C.—Definite approval has been given to the New South Wales State Radio scheme and inquiries are now being made as to a suitable site for the Sydney and relay stations, the first of which is expected to be at Newcastle. The cost of establishing the central station and six relay stations is estimated at more than $50,000, but for the present only one relay station is to be established.

With the ordinary receiver having three to five one-quarter ampere tubes, a 90 ampre-hour storage battery is all that is necessary.

TO SEEK WEATHER'S RELATION TO STATIC

STEWART-WARNER BEGINS TO OBSERVE BUGBEAR

Will Note Reception at Twenty Widely Scattered Posts—Fading Also Will Be Investigated

CHICAGO.—Investigation of "fading" on a scale never before attempted in the United States will be made in mid January at 20 observation stations, it was announced today by J. K. Smith of the Stewart-Warner corporation.

Hitherto such experiments have been carried on in isolated sections of the country between two or at most three stations. The results of such research have been negligible. There is still no explanation of why signals should be stronger in the winter, when static electricity leaps out of one's hair, or sparks out of the rug at one's feet, but weak in summer when there are apparently no static charges in the things about us, according to Mr. Smith.

Will Plot Radio Reception Against Weather

The Stewart-Warner observation posts will chart readings on selected distant stations every two minutes during the period of the tests. The results will be averaged and plotted on a map similar to that issued by the government weather bureau. It is the belief of the engineers conducting the tests that curves which will make possible a comparison of effects and a search for causes will result. If so, the experiment will be repeated at regular intervals throughout the winter.

"By a comparison of fading and the static curves with those of the U. S. weather map, it may be possible to determine the effect of weather on such phenomena," said Mr. Smith, "By plotting the curves of fading and static in tests on stations of varying wave length, some tangible progress may be made toward discovering what frequencies are best for broadcasting.

APPOINT JUDGES OF PLAY CONTEST

Silver Trophy to Accompany Cash Award to Be Called "Hoover Cup"

CHICAGO.—The machinery for conducting the nation-wide contest to secure the best Radio play and improve Radio programs to be held under the joint auspices of the Drama League of America and WLS, the Sears-Roebuck station, here, has been set in motion. Stuart Walker, playwright and producer, has been secured to act as chairman of the Radio play contest committee and Augustus Thomas, the playwright; George Arliss, the actor, and James O'Donnell Bennett, former dramatic critic, now feature writer on the Chicago Tribune, have been selected judges of the contest.

Mr. George Junkin, field secretary of the Drama League, has announced that the silver loving cup to be awarded in addition to the $500 first prize will be known as the "Hoover Cup," as the secretary of commerce has expressed a keen interest in the contest.

A prize of $200 will be given for the second best play submitted and $100 for the third. Any man, woman or child is eligible to compete. According to the rules of the contest, all manuscripts must be received on or before February 1, 1926. The manuscripts are to be sent to WLS, Hotel Sherman, Chicago.

KSD, St. Louis, is to have its own orchestra. This organization will be composed of members of the St. Louis Symphony orchestra and will give concerts every Monday night at 9 p. m. central time.

RADIO AIDS CASE OF SLEEPING SICKNESS

NEW YORK.—John F. Hill, who is broadcasting every Saturday evening from WEAF a series of suggestions for better eyesight, discovered an unusual case of double vision recently, when a young man walked into his office and expressed interest in his weekly Radio talk and asked to have his eyes examined for glasses.

Mr. Hill's examination disclosed the fact that the man's condition was not caused by eyestrain, and, therefore, directed the man to a medical specialist who found him to be suffering from sleeping sickness.

GALAXY OF STARS ENTERTAIN RADIO FANS THROUGH KFWB MICROPHONE

LIFE for the Radio artist is not a very dull affair. The group to the right is composed of some of those who broadcast through Station KFWB on the Warner Brothers movie lot at Hollywood. Standing, from left to right, Verna Kloess, concert pianist; Frank Stever, baritone; Margaret Lancaster, mezzo-soprano; Billie Dunn, studio accompanist; Bill Blake, lyric tenor; Charlie Wellman, announcer and manager; Ron Wilson, pianist; June Purcell, Radio's Sweetheart; Ben McGlashan, Big Brother of KFWB, and Lee Kent and her Tarapache. Seated, left to right, are Charles Beauchamp, dramatic tenor; LeRoy Kulberg and his uke; Ray Kellogg, violinist, and Bill Hatch, pianist.

"I have below me five stars that can be classed as a constellation," says Charlie Wellman, announcer and manager of KFWB, "But its a cinch I don't look down on them." Charlie is standing on one of the towers of the Warner Brothers station that was built within 28 days after Jack Warner decided the company should do a little broadcasting. The attractive quintet is composed of (from left to right) Verna Kloess, concert pianist; Lee Kent, who sings quaint songs and plays the terapache; Billie Dunn, studio accompanist; June Purcell, Radio's Sweetheart, and Margaret Lancaster, mezzo-soprano.

DRAWS $25 FINE FOR UNLICENSED SENDING

Dayton, Ohio, Man Caught Broadcasting Phonograph Records

WASHINGTON.—The attention of the department of commerce has been called to a case where punishment was meted out by court to the owner of a broadcasting station which was operated without a license.

The offender was Roger M. Daugherty of Dayton, Ohio, who broadcast phonograph records on 340 and 400 meters. He had been on the air about two years and Supervisor Edwards of Detroit and his entire staff had been trying to catch him. They finally located the transmitter and called on Daugherty.

The transmitter was cleverly concealed and it was only recently that Daugherty was caught in the act. Daugherty was fined $25 for the offense. The call signal of 8COF was used by Daughertv.

Texas Boy Scout Wins Pup For One-Tube DX Record

SAN ANTONIO, Texas.—Otto Glaeser, Jr., 16 years old, boy scout and Brackenridge high school student, tuned in 42 Radio stations in one hour—18 of them distant ones, with his one tube home-made regenerative receiver. This remarkable performance, which sets a record for this city, won for young Glaeser the September award of the Crosley Radio corporation of Cincinnati. His boy scout honor was his verification.

The award is a pedigreed German police puppy from the celebrated Champion Kora von Warnowtal of Green Fair Kennels, Greenwich, Conn. The puppy has been shipped.

The Crosley corporation is now conducting a second contest for one tube sets for the best record of distance which will continue until March.

This Would Insure Home Sweet Home

Germany Has List of Severe Regulations for Aerials

LONDON.—Detailed and severe regulations regarding the purchase of aerials have been introduced in Germany, and a further elaborate set of rules governs their use. Here is just one of the sixteen most important items in the rules:

The sag of the aerial wire is to be so adjusted that with contraction through cold and with additional loading by wind, snow and ice, there is a factor of safety of three.

The sag is to be calculated for the two following cases:

(a) Temperature 23 degress Fahrenheit with additional loading; (b) Temperature 4 degrees below zero Fahrenheit without additional loading. The additional loading is to be assumed to act in the direction of gravity, per meter, and equal to 180 d in grams per meter, where d is the external diameter in millimeters.

A German fan after reading the above should feel like "acting in the direction of gravity by jumping off the roof."

The introduction of these rules has caused German experts to prosecute researches toward the evolution of aerialless receivers.

Let's move to Germany!

Radio to Aid Aviation

BRUSSELS.—The Belgian government has just signed conventions with the British, French, Luxemburg and Dutch governments ensuring Radio being used as a help to aviation. Radio stations on air routes are divided into two classes: control stations and collaboration stations. The former will keep airplanes constantly informed as to direction of flight, while the latter will help the plane determine its position.

INDIAN ENTERTAINER GAINS NEW LAURELS

DENVER.—Chief Evergreen Tree, Pueblo Indian, an expert in the art of wild animal mimicry, today lays claim to new laurels via Radio via KOA. During a recent program the Indian gave a few imitations of wild animals and as a result was confronted with a complaint from Alma, Mich. The writer told him that when the pack of yelping coyotes broke loose over the Radio their pet cat departed and failed to return. "Pretty good," the Indian grunted, "Chief Evergreen Tree, he reason why cats leave home."

NUTTY CLUB SESSIONS GRANT ALL REQUESTS

WBBM Nonsense Starts Off Week With a Smile

CHICAGO.—Just a little fun and frolic to start the week with a great big smile was the idea that prompted those early hours of nonsense from WBBM, here. And it seems that late-hour listeners like their programs informal. The staff of WBBM, Chicago, works Sunday from twelve midnight until "when" and they are at it until every request is filled. That isn't so easy now since these run well over a thousand each session.

A Louisiana member suggests "a little nonsense now and then is relished by the best of men." A membership with Nutty club of WBBM, Chicago, which includes policemen, bootleggers, preachers and college professors, shows that a strong sense of humor is one of the attributes of the broadcast listener.

Improve Greatly Navy Radio Communication

Shore Stations Are Fast Installing Modern Tube Equipment

WASHINGTON, D. C.—Secretary Wilbur, discussing naval Radio activities during the past year in his annual report to the president, says that Radio communication has improved, especially in connection with aircraft and submarines.

"The Radio traffic stations of the shore system are being gradually improved," says Secretary Wilbur. "The obsolete spark apparatus and the obsolescent low-powered arcs are gradually being replaced with modern tube equipment as funds become available."

He continues, "the interest of the American Radio Relay league has been enlisted in naval high frequency (short wave) work. An official of the league was placed on active duty and detailed to the fleet to conduct extensive short wave tests afloat during the recent Hawaiian maneuvers and cruise to Australia and New Zealand. These tests have already given valuable results, and large amounts of traffic have been moved by means of this apparatus."

FEW BROADCASTERS SUBDUE HARMONICS

REQUEST INSTALLATION OF GOOD SUPPRESSORS

But 47 Stations Have Been Equipped with Apparatus to Prevent Sending Stray Offshoots

Noise, noise, noise! Broadcasting stations heterodyning with one another, radiating one or several harmonics, their harmonics heterodyning with one another. That's what the Radio supervisors and the department of commerce are seeking to eliminate by the limitation of broadcasters and the strict supervision and inspection of those stations allowed to broadcast.

As a part in this general scheme, broadcasters have been advised to equip themselves with "harmonic suppressors" of recommended type. Harmonic suppressors prevent stations from sending out stray offshots of their program on waves other than that for which they are licensed.

So much for explanation. Up to December 1, which is the date the last government report was made, only 47 of this country's 500 stations had so equipped themselves. Of course, there may be stations which do not radiate harmonics, or their harmonics may be so slight as not to require a suppressor. In that event, the Radio supervisors or listeners can hardly complain.

"Honor Roll" Is Listed

Nevertheless, the following "honor roll" lists broadcasting stations which, up to December 1, had been equipped with approved harmonic suppressing devices.

KDKA, East Pittsburgh; KFDM, Beaumont, Tex.; KFJF, Oklahoma, Okla.; KOB, State College, N. M.; KPRC, Houston, Tex.; KTHS, Hot Springs, Ark.; KWWG, Brownsville, Tex.; WAEX, Mount Clemens, Mich.; WAHG, Richmond Hill, N. Y.; WAPI, Auburn, Ala.; WBAL, Baltimore, Md.; WBAP, Fort Worth, Tex.; WBAX, Wilkes-Barre, Pa.; WBBR, Rossville, N. Y.; WBDC, Grand Rapids, Mich.; WCAE, Pittsburgh; WCAP, Washington, D. C.; WCAR, San Antonio, Tex.; WCAU, Philadelphia; WCX, Pontiac, Mich.; WEAF, New York; WEBK, Grand Rapids, Mich.; WFAA, Dallas, Tex.; WFDF, Flint, Mich.; WFI, Philadelphia; WGBS, New York, N. Y.; WGBU, Fulford-by-the-Sea, Fla.; WHAP, New York; WHAR, Atlantic City; WJAD, Waco, Tex.; WJR, Pontiac, Mich.; WKAR, East Lansing, Mich.; WLW, Harrison, Ohio; WLWL, New York; WOAI, San Antonio, Tex.; WOR, Newark; WPG, Atlantic City; WRC, Washington, D. C.; WRNY, New York; WRR, Dallas, Tex.; WRVA, Richmond, Va.; WSAI, Mason, Ohio; WSB, Atlanta; WSM, Nashville, Tenn.; WSMB, New Orleans; WTAM, Cleveland; WWJ, Detroit.

The above list and additional stations will be repeated from time to time.

London Festival Ends

LONDON, Eng.—The festival week of the British Broadcasting company, in celebration of its third birthday, has just concluded.

RELAY PROGRAM OF KFI ACROSS NATION

POSSIBLE FOR MORE THAN 6,000,000 TO HEAR

Six Stations Rebroadcast Program from Los Angeles in Preparation for International Tests

LOS ANGELES. — Transcontinental rebroadcasting of a Radio program that was relayed on short wave length to Europe and Australia, covering an area in which it might have been heard by an audience of between 6,000,000 and 7,000,000 persons, was accomplished recently by seven stations located at strategic points throughout the United States, with the aid of the high-powered European stations.

The program originated at Station KFI of this city and was picked up by KCA, Denver, and relayed to five other stations in the East and Middle West—KFKX, Hastings, Neb.; WOC, Davenport, Iowa; WGY, Schenectady, N. Y.; KMA, Shenandoah, Iowa, and WHAZ, Troy, N. Y.

Announcer Hears Voice

All six of the relaying stations were heard in certain localities, and in one instance a Los Angeles man tuned in on one of the eastern relays and, putting the loud speaker to the mouthpiece of a telephone, enabled the announcer at KFI to hear his own voice returning from the East.

The program continued for three hours without a break and operators of the Los Angeles station complimented the operators of the other six stations upon the skill with which they modulated the program as it was received and rebroadcast.

"OHM," THE RADIO DOG

(Continued from page 5)

Time Story Hour, sat on the wire smiling to himself very much satisfied over his success in escaping from the Sandman he heard some Mudder below calling Her Little One.

"Wake-y up, Wee Lo Foo
Sun is up, why aren't You?"

It was a sweet Oriental voice in the language of the Celestials. But Ohm, as he was Big Radio Dog (You must excuse me for telling you over and over again because it is necessary) understood Chinese just the same as he would if he had been born and brought up a Pekingese or a Chow. Here was a chance for a Jolly Surprise. He could hear the Mudder trying to get Wee Lo up like this:

"One, two, three
The Bumble Bee
Rooster Crows
And away we go!"

So Big Radio Dog Ohm ripples himself into the lead-in and trickles into Wee Lo Foo's house. Mudder Foo sat on the bed pulling Wee Lo to his feet in his dainty blue embroidered silk pajamas. It was time for the Daily Dozen and they usually took their Exercises by the Voice of the Exercise Man in the Radio. So Mudder Foo tuned in and had the Surprise of her life. This is what they heard:

"Bow Wow! How do you do!
I'm Ohm, who are You?"

Mudder Foo said, "Well, what in the world was that?" And Wee Lo almost jumped out of his skin as his slanty eyes popped wide open and he gripped his Mudder's hand.

"Don't you know me"? asked Ohm, astonished. "As I said before, I'm Ohm, the Big Radio Dog, Broadcasting During the Lullaby Hour for Bedtime Stories by Dream Daddy and Uncle Bob, and Uncle Walt and Uncle Dutch and Big Buddy and-and-and from Station USA and a lot more. I thought I'd drop in an s'prise You."

"I regret," said Mudder Woo, "that I must confess never to have had the pleasure, to my best recollection, of seeing you before." (You must always remember that Orientals are very polite when they are well brought up as was Mudder Woo).

"Oh, I beg that you will not let that worry you?" replied Ohm—he was such a Big Radio Dog—"because to tell the honest truth, hope to die cross my heart, nobody else has ever seen me. Big Radio Dogs like me are just to be heard, not seen because we are that different than little children who listen in. We are invisible because we are of two dimensions only."

"I'm so glad," smiled Wee Lo, "and who are all those people like Dleam Dladdy and Uncle Blob and—"

"Oh Wow! Who-ee Wow-wowow!" Big Ohm almost split himself for laughing.

"Please 'scuse me for laughing but your Oriental diction simply stirs my risibles beyond control. But I'll try not to be rude again.

"Only don't ask me to tell you who ALL of the Story Tellers are because USA now broadcasts from 550 stations and every station has one or two and sometimes more Voices who come through the air to homes where Little Children are, to tell them Stories while they are waiting for the Sandman. And, oh, the children love to hear them because they write such lovely letters and when the Voices who are the Uncles and the Dream Daddys and the Big Buddys hear from their Little Friends of the Air they are very happy.

"Sometimes they have Parties and the Children are invited to come and see the Voice. Oh, please forgive me for making out that they are just Men. There are lots of Aunties and Story Ladies, too, who tell the most wonderful stories. Sometimes they have me come to broadcast and I bark right out of the cabinet where the tubes are. Want to hear me bark? Bow Wow! That's the way I do it.

"Dear me! I hear Cousin Oswald at Los Angeles calling me right now. Or maybe it is Uncle Remus. No, it's Uncle John, now I know. And after that Val will be waiting for me.

"And I want to thank you Mudder Woo and you, Wee Lo Foo, for the lovely time I have had on this little visit. I just heard a long wave start out from Singapore which I will hop onto when it comes by. Come and see USA some time. Bye-bye."

So, with a flip like lightning, Ohm, the Big Radio Dog, broadcasting during the Bed Time Hour from Station USA flipped onto another thousand meter wave and was back Home before Dinner Concerts were over.

But this time he was ready for the Sandman. And the Sandman was ready for him.

KPRC OF TEXAS RANGES

(Continued from page 6)

Henry Crossland is chief operator and was formerly with WCM. Grimes Waller is also an operator and came to KPRC from the Dallas stations, WFAA and WRR.

Needless to say, none of these popular and good-looking young men are married. The writer has yet to find any Radio attaches who are! Thus the output of divinity, chocolate cakes and mash notes still continues.

Miss Lois Lilley is the efficient and decorative studio assistant. She welcomes guests to the studio and makes herself useful as well as ornamental.

It was the good fortune of the writer to be at KPRC for the weekly noonday concert of the "wonder boy"—Frank Tilton, blind pianist of the Houston Post-Dispatch. For more than an hour, he played number that had been requested. Totally blind, this talented young man, with his varied repertoire, his sunny disposition and good humor entered into the spirit of each selection.

KPRC's programs are fitted to the needs of the community it was built to serve; standard time signals from U. S. Naval Observatory at Washington; U. S. weather forecasts; bulletins of agriculture; road bulletins; news items; baseball results; music. On Sundays, Dr. A. Frank Smith, pastor, First Methodist church, conducts services which are broadcast from 10:45 to 12 noon, and also from 7:45 to 9 p. m. On Saturdays, at 7:30 p. m., Rev. Claude L. Jones, has the Universal Bible class.

KPRC has yet another slogan calling attention to its home town, Houston—an inland port, 50 miles from the Gulf of Mexico—"Where 17 Railroads Meet Forty Steamship Lines." KPRC is proud of being representative of the growing metropolis and, incidentally, Houston is mighty proud of KPRC!

ATWATER KENT RADIO

"What kind of company makes it?"

EVERY DAY, as the public gets wiser, do you not hear fewer and fewer customers ask, "What's the price of that radio?" and more and more customers ask "What kind of company makes it?"

If you are an Atwater Kent dealer, figuring where you stand at the beginning of this New Year, are you not firmer than ever in your conviction that the stability of your manufacturer is no mean asset?

* * * * *

The Atwater Kent dealer knows:

1 THAT behind the company with the strongest financial resources of any independent radio manufacturer stands the personal responsibility of a man who for twenty-five years has jealously guarded the quality of every product that bears his name.

2 THAT we have built the largest radio factory in the world, and are putting on a large addition this winter,* because we are thinking of tomorrow's market as well as today's.

3 THAT the merchant is backed by a policy that safeguards his profit, and is not tempted to throw his money away on job lots.

4 THAT he is handling the Radio which requires minimum service and is therefore insured against needless worry and expense.

5 THAT Atwater Kent owners are satisfied with their receiving sets and radio speakers and are always boosting them in making more sales.

6 THAT Atwater Kent is the make the greatest number of people intend to buy—or buy next, if they already have unsatisfactory sets. (Four surveys prove this.)

7 THAT the Atwater Kent sales campaign is supported by an unparalleled advertising campaign, reaching, in magazines and newspapers and on billboards, into every corner of the United States and Canada.

8 THAT the new series of concerts by the Atwater Kent Radio Artists—the world's best—specially benefit the Atwater Kent merchant, in increased sales.

* * * * *

Nineteen Twenty-five was a wonderful Atwater Kent year. We wish to thank every one of you who helped to make it so.

And please keep in mind that more than ever they'll be asking, "What kind of company makes it?" in 1926.

Hear the Atwater Kent Radio Artists every Sunday evening at 9:15 o'clock (Eastern Standard Time) through stations—

WEAF	*New York*	WFI, WOO	*Philadelphia alternating*
WJAR	*Providence*	WCAE	*Pittsburgh*
WEEI	*Boston*	WGR	*Buffalo*
WCAP	*Washington*	WOC	*Davenport*
WSAI	*Cincinnati*	WTAG	*Worcester*
WCCO	*Minneapolis-St. Paul*	KSD	*St. Louis*
WEAR	*Cleveland*	WWJ	*Detroit*
		WLIB	*Chicago*

Send for illustrated booklet of Atwater Kent Radio

ATWATER KENT MFG. COMPANY
A. Atwater Kent, President
4708 Wissahickon Ave. · Philadelphia, Pa.

Radio Speaker Model L, $17 — Model 20 Compact, $80 — Radio Speaker Model H, $22

* This addition covers 153,000 square feet. When it is completed—probably in April—we shall have a fifteen acre factory. We are also using our old Germantown plant, which covers two acres.

HER TOPIC AT KDKA IS HOME ECONOMICS

Miss Marie Neff is the pretty young specialist heard over KDKA in charge of the home economics programs of the Stockman and Farmer studio.

BETTY CROCKER TO START NEW SCHOOL

WILL BROADCAST OPENING LESSON JANUARY 29

Housewives May Receive Scientific Training in Cookery and Home Making in Own Kitchens

By Betty Crocker

Have you heard, and do you regularly listen for Betty Crocker's Radio talks? Miss Crocker is nationally known as a home food specialist who is broadcasting from a dozen of the country's largest stations. By special arrangement Radio Digest has secured a series of exclusive articles by Miss Crocker dealing with her current Radio talks. These broadcasts are made through WEEI, WEAF, WCAE, WGR, WEAR, WWJ, WDAF, WHT, WFI, KSD, KFI and WCCO, the Gold Medal station at Minneapolis-St. Paul. All of Miss Crocker's recipes and discussions are based upon investigations and work of herself and her assistants in model kitchens. —Editor's Note.

WE'RE GOING to have another Radio cooking school. The first lesson will be broadcast on January 29. As with our first school which closed in December, it will be necessary to register for this course. There is no fee or charge of any kind connected with it. The only qualifications necessary are a pencil and a paper and a will to learn. We are beginning now to take registrations for our second Radio cooking school, and will accept them up to and including letters postmarked January 23.

I have been enjoying a little Christmas vacation the last couple of weeks, but I am going to resume my regular Radio talks on Mondays, Wednesdays, and Fridays, from the stations listed above, on January 18. The first lesson of the cooking school, to be broadcast Friday, January 29, will be "Gold Medal Biscuits and Variations." Subsequent lessons in the school will be broadcast for five succeeding Fridays.

I am particularly anxious that all of my friends among the readers of the Radio Digest and those who listen to the stations from which my talks are given, who desire to enroll for the second cooking school, will please get their registrations in in time.

Many housewives regret the fact that they have not had the advantage of a scientific training in cooking and home making. Now, due to the Radio, they may receive such training across the sky, with their own kitchens as classrooms.

Besides the Radio talks, we will send printed recipe cards of all the recipes described in the lessons to those registered. In arranging this second school, I have tried to select subjects of interest to every housewife. The schedule of the lessons is as follows: January 29, "Gold Medal Biscuits and Variations"; February 5, "Luncheon Suggestions"; February 12, "A Gold Medal Pie"; February 19, "Foods That Satisfy"; February 26, "Salad Secrets"; March 5, "Unusual Desserts."

Besides these cooking school lessons and the talks which I broadcast every Monday and Wednesday, I am to have the privilege of visiting with you and offering you some of our kitchen tested recipes through the medium of the Radio Digest.

It might interest you to know that while all of these recipes are tested out in our model kitchens, many of them have been suggested by women all over the United States. Through our Radio talks and cooking school lessons, we have built up a national exchange of recipes and housekeeping suggestions. We are always glad to work these out and submit them for your approval in the most acceptable form. I feel sure that if Mrs. San Francisco has some particular dish which has found favor in her own community, there is no reason why Mrs. New York and Mrs. Chicago shouldn't enjoy it just as well, and vice versa.

We want to make these lessons and talks both interesting and valuable to you, and you can be sure that I will always appreciate any suggestions you care to send me.

Index to Women's Programs

Saturday, January 9

Eastern	Central	Mountain	Pacific
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.
WWJ (352.7) Tonight's dinner.			
11	10	9	8
WEAR (389.4) Home service talk.			
WHT (399.8) Women's club.			
12 n.	11	10	9
WGN (302.8) Household hints.			
WQJ (447.5) Let's Choose a Picture.			
1 p. m.	12 n.	11	10
KMA (252) Domestic science topics.			
12:30	11:30	10:30	9:30
WGN (302.8) Discussion of fashions.			
12:35	11:35	10:35	9:35
KYW (536) Table talk.			
4	3	2	1
KJR (384.4) Tonight's dinner.			

Monday, January 11

Eastern	Central	Mountain	Pacific
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.
WWJ (352.7) Tonight's dinner.			
10	9	8	7
WJZ (454.3) Women's hour.			
WRC (468.5) Women's hour.			
10:45	9:45	8:45	7:45
WEAF (491.5) Home service talk, Betty Crocker.			
WFI (395) Gold Medal talk, Betty Crocker.			
11	10	9	8
WEAR (389.4) Home service talk.			
WHT (399.8) Women's club.			
WNYC (526) Women's program.			
11:30	10:30	9:30	8:30
KFAB (340.7), Home economics talk.			
11:45	10:45	9:45	8:45
WDAF (365.6) Betty Crocker home service.			
WGN (302.8) Household hints.			
12	11	10	9
WQJ (447.5) The Care of the Hair and the Skin.			
12:15	11:15	10:15	9:15
KYW (536), talk.			
12:35 p. m.	11:35	10:35	9:35
KYW (536) Table talk.			
2:30	1:30 p. m.	12:30 p. m.	11:30
WGY (379.5) Cooking lesson; Household talks.			
3	2	1	12 n.
WCCO (416.4) Women's hour.			
WSOE (246) Cooking chats.			
4	3	2	1 p. m.
WIP (508.2) Market hints for housewives.			
WOC (483.6) Home Management schedule, Aunt Jane.			
WQJ (447.5) Radio Fans Recipes.			
5	4	3	2
KJR (384.4) Home helps.			
7	6	5	4
KFOA (454.3) Today's recipe.			
KLX (508.2) Women's hour.			
KTAB (240) Women's club notes.			

Tuesday, January 12

Eastern	Central	Mountain	Pacific
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.
WWJ (352.7) Tonight's dinner.			
10	9	8	7
WIP (508.2) Menu.			
WJZ (454.3) Women's hour.			
WRC (468.5) Women's hour.			
10:45	9:45	8:45	7:45
WTAG (268) Talks to Mothers.			
11	10	9	8
WEAR (389.4) Home service talk.			
WHT (399.8) Women's club.			
WMCA (340.7) Home makers' hour.			
WTIC (475.9) Professional Candy Making.			
11:30	10:30	9:30	8:30
WTIC (475.9) Housewives' forum.			
12 n.	11	10	9
WGN (302.8) Household hints.			
WQJ (447.5) How to Wear a Hat. Hotel Salads.			
12:35 p. m.	11:35	10:35	9:35
KYW (536) Table talk.			
1	12 noon	11	10
KPO (428.3) Domestic science talk.			
2	1 p. m.	12 n.	11
WGY (379.5) Home Hygiene and Care of the Sick.			
WLIT (395) Household helps and hints.			
4 p. m.	3 p. m.	2 p. m.	1 p. m.
WOC (483.6) Home Management schedule.			
WQJ (447.5) Household Helps Exchange.			
5	4	3	2
KJR (384.4) Home helps.			
5:30	4:30	3:30	2:30
KOA (322.4) Housewives matinee.			
6	5	4	3
KOA (322.4) Culinary hints.			
6:15	5:15	4:15	3:15
KOA (322.4) Fashion review.			
7	6	5	4
KFOA (454.3) Today's recipe.			
8:30	7:30	6:30	5:30
KGO (361) As a Woman Thinketh.			

Wednesday, January 13

Eastern	Central	Mountain	Pacific
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.
WWJ (352.7) Tonight's dinner.			
10	9	8	7
WIP (508.2) Menu.			
WJZ (454.3) Women's hour.			
WRC (468.5) Women's hour.			
10:45	9:45	8:45	7:45
WEAF (491.5) Home service talk, Betty Crocker.			
WFI (395) Gold Medal Service talk, Betty Crocker.			
WTAG (268) Talk to Housewives.			
11 a. m.	10 a. m.	9 a. m.	8 a.m.
WHT (399.8) Women's club.			
WNYC (526) Women's program.			
11:30 a. m.	10:30 a. m.	9:30 a. m.	8:30 a. m.
KFAB (340.7) Home Economics.			
11:45	10:45	9:45	8:45
WDAF (365.6) Betty Crocker home service.			
12 n.	11	10	9
WGN (302.8) Household hints.			
WQJ (447.5) Friday fish dinner menu. The Middle Aged Woman.			
12:30 p. m.	11:30	10:30	9:30
WGN (302.8) Discussion of fashions.			
12:35	11:35	10:35	9:35
KYW (536) Table talk.			
1	12 n.	11	10
KPO (428.3) Sewing talk.			
3	2	1	12 n.
WCCO (416.4) Woman's hour.			
4	3 p. m.	2 p. m.	1 p. m.
WOC (483.6) Home Management schedule, Aunt Jane.			
WQJ (447.5) Cake for Dessert. Meat Substitutes.			
4:30	3:30	2:30	1:30
WLW (422.3) Cooking school, hints.			
5	4	3	2
WMAQ (447.5) Recipes.			
7	6	5	4
KFOA (454.3) Today's recipes.			
KLX (508.2) Women's hour.			
KMA (252) Domestic science talk.			
10:30	9:30	8:30	7:30
KOAC (280.2) Curtains and Draperies. How Do You Wash and Iron?			

Thursday, January 14

Eastern	Central	Mountain	Pacific
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.
WWJ (352.7) Tonight's dinner.			
10	9	8	7
WJZ (454.3) Women's hour.			
WRC (468.5) Women's hour.			
11	10	9	8
WEAR (389.4) Home service talk.			
WHT (399.8) Women's club.			
12 n.	11	10	9
WGN (302.8) Household hints.			
WQJ (447.5) Home Economics.			
12:30 p. m.	11:30	10:30	9:30
WGN (302.8) Discussion of fashions.			
12:35 p. m.	11:35	10:35	9:35
KYW (536) Table talks.			
1	12 n.	11	10
KPO (428.3) Domestic science.			
4 p. m.	3 p. m.	2 p. m.	1 p. m.
WOC (483.6) Home Management schedule, Aunt Jane.			
WQJ (447.5) The Business Woman Entertains. The Fireplace—The Center of Interest in the Home.			
5	4	3	2
KFOA (454.3) Home helps.			
KSD (545.1) Women's Hour.			
5:30	4:30	3:30	2:30
KOA (322.4) Housewives' matinee.			
6	5	4	3
KOA (322.4) Culinary hints.			
6:15	5:15	4:15	3:15
KOA (322.4) Fashion review.			
7	6	5	4
KFOA (454.3) Today's recipe.			
KSAC (340.7) Getting Rid of Household Pests. When You a Marketing Go.			
8	7	6	5
KFMQ (299.8) Women's club talks.			

Friday, January 15

Eastern	Central	Mountain	Pacific
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.
WWJ (352.7) Tonight's dinner.			
10	9	8	7
KDKA (309.1) Domestic Science and Arts for the Housewife.			
WJZ (454.3) Women's hour.			
WRC (468.5) Women's hour.			
10:45	9:45	8:45	7:45
WTAG (268) Food hints.			
11	10	9	8
WHT (399.8) Women's club.			
11:15	10:15	9:15	8:15
WTIC (475.9) Footwear fashion talk.			
11:30	10:30	9:30	8:30
KFAB (340.7) Home Economics.			
11:45	10:45	9:45	8:45
WDAF (365.6) Betty Crocker home service.			
WEAR (389.4) Home service talk.			
12 n.	11	10	9
WGN (302.8) Household hints.			
WQJ (447.5) First Radio lesson.			
12:30 p. m.	11:30	10:30	9:30
WGN (302.8) Discussion of fashions.			
12:35	11:35	10:35	9:35
KYW (536) Table talk.			
1:45	12:45	11:45	10:45
WOAW (526) Sunshine Sunday dinner menu			
3	2 p. m.	1 p. m.	12 n.
WCCO (416.4) Women's hour.			
4	3	2	1
WOC (483.6) Home Management, Aunt Jane			
5	4	3	2
KJR (384.4) Home helps.			
5:15	4:15	3:15	2:15
WMAQ (447.5) News of the Shops.			
5:30	4:30	3:30	2:30
KOA (322.4) Housewives matinee.			
WFAA (475.9) Women's hour.			
6	5	4	3
KOA (322.4) Culinary hints.			
6:15	5:15	4:15	3:15
KOA (322.4) Fashion review.			

SHORT WAVES

By Marcella

The editor moved me over to the women's page this week. He said I was mostly of interest to women, and that was where I belonged. Guess he's right, judging from the mail. All kinds of ladies are writing to learn about their favorites. Funny the men don't write about their beloved lady artists.

* *

Jack Little isn't little. He's average in height and build. Yes, that's his real name, although he divided it this last spring with a beautiful lady, who adds the prefix "Mrs." Now the two Littles are touring the stations together.

* *

The Hired Hand, of WBAP, Fort Worth Star-Telegram, is in double harness, he claims. But he sent me five pounds of wonderful Texas paper shell pecans to keep me quiet on the subject. Said he didn't want to break any fair lady's heart; that is, of course, if any lady happened to be admiring him.

* *

"The Merry Old Chief," formerly of WDAF, Kansas City Star, and now announcing at WJR, Jewett Radio, Detroit, is very likeable. He drives a flivver on rainy days and smokes a pipe. How to live long, in his creed, is to take a cold plunge every morning.

* *

Speaking of marriage, as some of us will, I learn that Miss Vee Lawnhurst, popular WEAF pianist, will say "I do" soon along with Sylvester E. Morris of New York city. After the nuptials the couple will be tuned in on Florida stations, for it's there they are bound.

* *

Don't you wish you were President Coolidge or someone important like that? Imagine, WRC at Washington has a special microphone stand exactly 47 inches in height for the exclusive use of our chief executive. And Mrs. Coolidge doesn't have to dust it, either.

* *

Radio artists and announcers have to adopt a peculiar schedule of hours. Imagine working from afternoon till midnight or two o'clock every day. The alarm clock is usually set for 10 o'clock in the morning. Thus they miss the Radio "getting-up" exercises, and must get their muscle limbering elsewhere. Credo Harris, of WHAS, Louisville, loves to hike. Jerry Sullivan, of WQJ, Chicago, is an equestrian, while the sport of Clyde Randall, WSMB, is motor boating. Golf claims many an otherwise perfect Radio entertainer.

* *

Phillips Carlin is a card. We like him as much as Graham McNamee at WEAF. Handsome, young, nice disposition and a good future describes him to a tee. No, we don't think he is married.

* *

Dropped in to visit Station WHT, Chicago, one night last week, and, just sort of blushingly, you know, I will break down and confess that I knew before I went that he would most likely be there. Anyway, as Flo Ziegfeld might say, he was amid some very pleasant surroundings.

* *

What deep secret would you like to know about your favorite broadcast star? Drop me a note, girls, and I'll do my best to answer it here. **MARCELLA.**

AUNT JANE IS BOTH PRETTY AND PETITE

Every afternoon, except Saturday and Sunday, you can hear "Aunt Jane," above, at WOC tell how to bake a cake or plant a flower garden.

WJZ PROVIDES TWO HOURS FOR WOMEN

DOUBLE SERVICE AIDS CITY AND FARM DWELLERS

New Experimental Station at Bound Brook, N. J., Has Both Morning and Afternoon Programs

NEW YORK.—The difference in schedules of daily routine followed by housewives of the city and those living out of town made the fact apparent that two women's hours were necessary, after the first test programs were completed at WJZ's new experimental station at Bound Brook, N. J.

The city woman, living in an apartment or small house, aided by electricity, gas and other modern conveniences, is generally through her housework and ready to listen to her Radio set by 10 o'clock. The afternoon is generally devoted to shopping, calling or a movie. The out-of-town woman, on the other hand, with a larger house to take care of and without the modern conveniences, is seldom free to devote herself to Radio until after lunch.

Add Women's Forum

In order that all could enjoy their service, Station WJZ has inaugurated a second women's hour, named "The Women's Forum," in addition to their morning program. The forum is a trifle more varied in its component parts than the women's hour. It is opened each day by Mrs. Julian Heath, the president of the National Housewives' league, who conducts a food forum. The balance of the program is changed each day, so that many topics of interest to the housewife are brought up. Decorating and wall papering, care and education of children, care of the complexion and beauty hints, styles and fashions and countless other subjects are treated by competent experts. Short periods are devoted to musical selections and the reading of poems.

Photogravures of Your Favorite Artists

GALLERY OF RADIO STARS

Suitable for Framing or Placing in Your Album

BY SPECIAL arrangement, Radio Digest is able to offer its readers a great opportunity to secure fine photogravures of their favorite Radio stars at practically no cost.

Radio fans will be able now, by this very special offer, to have pictures of their favorite artists and announcers before them when they listen in.

All that is necessary to secure photogravures from the Gallery of Radio Stars is to send the coupon published each week in Radio Digest, accompanied by ten cents to cover the cost of mailing and postage. Where a series of three photogravures is desired, it will only be necessary to send twenty-five cents and three consecutively numbered coupons clipped from Radio Digest.

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To cover cost of mailing and postage

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To cover cost of mailing and postage

Size Eleven by Fourteen Inches

Select Your Favorites from the Gallery of Radio Stars

CHECK YOUR CHOICE

- ☐ Wendell Hall, king of ukulele ditties
- ☐ Graham McNamee, 1925 Gold Cup announcer
- ☐ Jack Little, popular wandering balladist
- ☐ Paul Small, who won fame through Radio
- ☐ Coon-Sanders "Nighthawks" at KYW
- ☐ George Hay, 1924 Gold Cup announcer
- ☐ Harmony Girls, Edith Carpenter, Grace Ingram
- ☐ Ford and Glenn, Lullaby Boys of WLS
- ☐ "Roxy" Rothafel of WEAF chain fame
- ☐ The Hired Hand, famous "Substitute Announcer" of WEAF
- ☐ Britt and Finch, popular songsters
- ☐ Bob Emery, Big Brother of WEEI
- ☐ "Bill" W. G. Hay, ex-KFKX, now of WLIB
- ☐ Happiness Boys, jovial singers of WEAF
- ☐ Lambdin Kay, "Little Colonel" of WSB
- ☐ Leo Fitzpatrick, "Merry Old Chief," WJR
- ☐ Henry Field, 1925 Gold Cup runner-up
- ☐ Al Carney, organ favorite at WHT
- ☐ Aunt Jane, Ladies' adviser at WOC
- ☐ Vincent Lopez, No. 1 Pennsylvania orchestra

CHECK YOUR CHOICE

- ☐ E. L. Tyson, pleasing voice of WWJ
- ☐ S. W. Barnett, ex-WOC, now WBAL
- ☐ Art Gillham, "The Whispering Pianist"
- ☐ Paul Greene, announcer at WSAI, "bridge voice"
- ☐ Harry Ehrhart, "Dream Daddy" of WLIT
- ☐ Correll and Gosden of "Kinky Kids Parade" fame, at WEBH and other stations
- ☐ Norman Brokenshire, popular at WRC, WJZ
- ☐ Indiana Male Quartet, popular at WEBH
- ☐ Jane Novak, Blues Singer of Twin Cities, WCCO
- ☐ Jean Sargent, the original, now at WHT
- ☐ Ralph Emerson, popular organist at WLS
- ☐ Edna Adams, "Sweetheart of the Air" at KPRC
- ☐ Pat Barnes, vaudeville announcer at WHT
- ☐ R. V. Haller of KGW Hoot Owls fame
- ☐ Henry L. Dixon, ukulele wizard of KYW
- ☐ Quin Ryan, WGN's Uncle Walt and sports announcer
- ☐ "Willie the Weeper," Ernest Rogers, WSB
- ☐ Walter Wilson, "Uncle Bob" of KYW

CHECK YOUR CHOICE

- ☐ Jack Chapman of Drake hotel repute
- ☐ Ray-O-Vac Twins, known country-wide
- ☐ Art Linick, KYW's Mrs. Schlagenhauer
- ☐ Fred Hamm, of WTAS, now WLIB fame
- ☐ Meyer Davis' Le Paradis orchestra of WRC
- ☐ "Senator" Schultz, WLW's illiterate comic
- ☐ "Uncle John" Daggett of KHJ
- ☐ D. R. P. Coats, 1925 Silver Cup announcer
- ☐ Gene Rouse, WOAW's popular announcer
- ☐ Freda Sanker, WKRC jazz orchestra director
- ☐ Irish Ruth Pavey, KOA's invisible stage beauty
- ☐ Queen Titania, star of KHJ Fairyland

If your favorites are not in this list send in a request to have them included in the Gallery of Radio Stars.

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RADIO DIGEST PUBLISHING CO.

ADVANCE PROGRAMS FOR THE WEEK

Saturday, January 9

Headliners Today

Eastern	Central	Mountain	Pacific
7 p. m.	6 p. m.	5 p. m.	4 p. m.
WBZ (333.1) Special musical feature.			
8	7	6	5
WSM (282.8) Champion Barn dance fiddler.			
8:30	7:30	6:30	5:30
WMAQ (447.5) "The Heart of Africa," travelogue.			
WJZ (454.3), WGY (379.5), WRC (468.5) Dextra male chorus.			
9	8	7	6
KTHS (374.8) Comedy program.			
WOC (483.6) K. of C. Minstrels.			
WSB (428.3) Red Head club.			
WSM (282.8) Tennessee College Glee club.			
10	9	8	7
KTHS (374.8) Comedy program.			
11:10	10:10	9:10	8:10
KGO (361.2) Wagnerian program.			
2 a. m.	1 a. m.	12	11
KFI (467) Midnight frolic.			

Saturday, silent night for: CFAC, CFCA, CHIC, CKNC, CNRA, CNRC, CNRE, CNRM, CNRR, CNRT, CNRV, CNRW, KFDM, KFEQ, KFKX, KFMQ, KFMX, KFUO, KFXF, KLX, KMA, KOAC, KOB, KQP, KSAC, KSO, KTAB, WDOD, WEAO, WEBJ, WEBW, WEEI, WGCP, WGR, WGST, WHAD, WHAZ, WHB, WHN, WHO, WIP, WJAR, WJAZ, WKAR, WOAI, WOL, WOC, WRVA, WTAG, WTIC, WWJ.

Eastern Time Stations

CKNC, Toronto, Can. (356.9), 1 p. m., string quintet, Charles E. Bodley, director; Gerrard J. Kelly, tenor; Dwight Wilson, baritone.

CNRO, Ottawa, Can. (435), 7:30 p. m., Cosy Corner for boys and girls, Uncle Dick; 8, Chateau Laurier concert orchestra; 8:45, Lucille Moore, pianist; Ottawa quartet; Mrs. F. J. Horning, violinist; Chateau Laurier dance orchestra.

KDKA, Pittsburgh, Pa. (309.1), 6:30 p. m., Westinghouse band; 8, farm program, National Stockman-Farmer studio; 8:30, Westinghouse band; Elmer Ablett, tenor.

PWX, Havana, Cuba (400), 8:30 p. m., concert, Prof. Valero Vallve.

WBBR, New York, N. Y. (272.6), 8 p. m., Dr. Hans Haag, violinist; 8:10, L. Marion Brown, soprano; 8:20, Bible questions and answers, Judge Rutherford; 8:40, L. Marion Brown, soprano; 8:50, Dr. Hans Haag, violinist.

WBZ, Springfield, Mass. (333.1), 6:30 p. m., Little Symphony orchestra, KDKA; 7:30, Capitol theater orchestra.

WCAE, Pittsburgh, Pa. (461.3), 3 p. m., music, Nixon cafe; 6:30, dinner concert, William Penn hotel; 7:30, children's period; 8, Youngstown artists.

WCX, Detroit, Mich. (516.9), 6 p. m., dinner concert, Book-Cadillac hotel.

WEAF, New York, N. Y. (491.5), 4-5 p. m., Louis Fisher's orchestra; dance music; 6, dinner music, Hotel Waldorf-Astoria; 7, Ross Gorman's orchestra, Monte Carlo; 8, Garo Vivani, bass baritone; 8:15, Grosskopf trio; 8:45, Constance and Helen Hulsmann, piano duets; 9, Delta Upsilon glee club; 9:15, Constance and Helen Hulsmann, piano duets; 10, Hughie Barrett and orchestra, Hotel Commodore; 11-12, Vincent Lopez and his orchestra, Casa Lopez.

WEAR, Cleveland, Ohio (389.4), 11 a. m., home service talk; 7 p. m., Hotel Statler concert orchestra, Maurice Spitalny, director.

WEEI, Boston, Mass. (348.6), 6:45 a. m., Tower health exercises; 7:45, morning watch, Estey Organ studio.

WFI, Philadelphia, Pa. (394.5), 1 p. m., tea room orchestra; 3, Brownson string club; 6:40, Bellevue Stratford hotel concert orchestra; 7, Bellevue Stratford hotel dance orchestra; 8, dinner, North Philadelphia Real Estate board; 11, Bellevue Stratford hotel dance orchestra.

WGCP, New York, N. Y. (252), 3 p. m., Henry Rogers, pianist; 3:15, Cross and Abrahams, songs; 3:30, Andy Razaf and Paul Denniker; 3:45, Elmer McDonald, songs; 4-5, Club Clover orchestra; 8:30-9, Strickland's orchestra, Bob McDonald; 9:15, Adine Feeker, soprano; 9:30, Regalbutta sisters, piano duets; 9:45, Madeline Freeman, soprano; 10, Pettit, Frasier, Marcus trio; 10:15, June Lee; 10:30, Strickland's orchestra.

WGHB, Clearwater, Fla. (266), 6:30-7:30 p. m., Fenway hotel orchestra; 8:30-9:30, weekend revue, pupils, Mrs. George Kelly; 11:45-1, WGHB Radio Ramblers midnight frolic.

WGR, Buffalo, N. Y. (319), 2:30 p. m., WGR's afternoon program.

WGY, Schenectady, N. Y. (379.5), 7:30 p. m., dinner program, Onondaga hotel, WFBL; 7:45, half-hour bridge lesson, No. 5; 8:30, Dextra male chorus; 9:30, dance program, Syracuse hotel.

WHAR, Atlantic City, N. J. (275), 2 p. m., Seaside hotel trio; 7:30, "Life of William West, the Artist," Julia Hazard; 8, Seaside hotel trio.

WIP, Philadelphia, Pa. (508.2), 6:45 a. m., setting-up exercises; 7, setting-up exercises; 10:30, reducing exercises; 1 p. m., organ recital; 3, St. Leger's dance orchestra; 6:05, Benjamin Franklin concert orchestra; 7, Uncle Wip's bedtime stories; 8, Banquet of Transportation club of the Pennsylvania railroad system, 10:05, Benjamin Franklin dance orchestra; 11:05, organ recital.

WJAR, Providence, R. I. (305.9), 1:05 p. m., studio program.

WJR, Pontiac, Mich. (516.9), 7 p. m., Jean Goldkette's Petite symphony orchestra; 9, Jean Goldkette's serenaders; 10, Jean Goldkette's Victor Recording orchestra; 11:30, Jewett Jesters.

WJZ, New York, N. Y. (454.3), 1 p. m., Irwin Abrams' Knickerbocker grill orchestra; 2, "Aviation's Future for National Defense and Commerce"; 4:30, Hotel Lorraine grill orchestra; 7, Bernhard Levitow's Hotel Commodore dinner concert; 7:45, Radio novel, Cosmo Hamilton; 8, Hotel Madison orchestra; 8:30, announced; 10:30, Paul Specht's Moulin Rouge orchestra.

WLIT, Philadelphia, Pa. (394.5), 12:02 p. m., daily almanac; Stanley theater organ recital; Arcadia cafe concert orchestra; 2, Arcadia Cafe concert orchestra; 4:30, Ed. Matthews dance orchestra; 7:30, Hotel Benjamin Franklin concert orchestra.

WMCA, New York, N. Y. (340.7), 6-6:30 p. m., Olcott Vail and his Hotel McAlpin string ensemble; 6:30-7:30, The Amphions; 8-8:15, current event; 10:10-15, talk on Burlap; 10:30-11, "The Bachelor Poet," Norman Pearce; 11-12, Ernie Golden and his Hotel McAlpin orchestra.

WNYC, New York, N. Y. (526), 7 p. m., studio program; 7:30, police alarms; 7:35-7:45, studio program, 8, lecture; 8:30, entertainment.

WOO, Philadelphia, Pa. (508.2), 11 a. m., organ recital; 12, Golden's crystal tea room orchestra; 1:45, organ recital; 7:30, Hotel Adelphia French room orchestra.

WOR, Newark, N. J. (405.2), 3 p. m., Caslon's tea music; 6:30, words often mispronounced; 6:45, sports, Bill Wathey; 7-7:30, Jacques Jacobs string ensemble; 7:45-8, Van's collegians; 10, Newark evening news; 10:15-12, Katinka orchestra.

WPG, Atlantic City, N. J. (299.8), 1:30 p. m., Hotel Morton luncheon music; 6:45, organ recital, Arthur Scott Brook; 7, Hotel Ambassador dinner music; 8, WPG male quartet; 8:45, Killy Mitchell's Irish sunshine; 9, Hotel Traymore concert orchestra; 10, Nick Nichol's dance program; 11, dance orchestra, Elks home.

WREO, Lansing, Mich. (285.5), 6-7 p. m., dinner concert, Speed-Wagon serenaders; Gold Standard Ensemble; 10-12, special dance program, WREO Speed-Wagon serenaders, Carl Hall Dewey, director.

WRC, Washington, D. C. (468.5), 12 m., organ recital, Homer L. Kitt studios; 1 p. m., Hamilton hotel orchestra; 6, Leo House trio; 7, Hotel Washington orchestra; 8:10, Bible talk; 8:30, Dextra male chorus; 9:15, music; 10:30, Crandall's Saturday Nighters; 12-1, Spanish Village orchestra.

WTAG, Worcester, Mass. (268), 10:30 a. m., musical selections; 12:05-2 p. m., luncheon music, WTAG orchestra, Will Hardy, director; 3-5, tea dansant music, WTAG orchestra; 5:15, "The Twinkle Twinkle Story Teller".

The soprano soloist of St. Bartholomew's church, New York, Grace Kerns, will be the guest artist on the Cincinnati community program, Monday night, of WSAI. Miss Kerns holds the highest paid soprano position of any church soloist in America.

WTAM, Cleveland, Ohio (389.4), 12:15-1:15 p. m., Austin Wylie's Golden Pheasant orchestra; 6-7, Carl Rupp and his Hotel Hollenden orchestra; 8-8:15, Guy Lombardo and his Royal Canadians; 8:45-9, popular music; 9-12, Coo Coo club.

WWJ, Detroit, Mich. (352.7), 12:05 p. m., Jules Klein's Hotel Statler orchestra; 3, Detroit News orchestra.

Central Time Stations

CKY, Winnipeg, Can. (384.4), 8 p. m., "Current World Events," Prof. F. W. Osborne; 9, concert, J. A. Banfield company.

KFAB, Lincoln, Nebr. (340.7), 5:30-6:30 p. m., dinner concert; 8:30-9:30, Schmoller and Mueller musicale.

KFMQ, Fayetteville, Ark. (299.8), 7:30 p. m., basketball game, U. of Ark.-Hendrix college.

KFNF, Shenandoah, Iowa (266), 7 p. m., concert, Widney sisters, Shenandoah; 11, old-time fiddling.

KFVE, University City, Mo. (240), 9:15 p. m., amusement review, Romaine Fielding; Gene Witacker's orchestra.

KMA, Shenandoah, Iowa (252), 11:30-12:30 p. m., noonday rural program; domestic science talk, June B. Case; garden and orchard talk, Earl E. May; music, 6-7, Pollyana stories, Mrs. Nickols; popular musical program; 9-11, pipe organ recital, Wm. Howie.

KPRC, Houston, Texas (296.9), 12 m., Jack Willrick's orchestra; Virginia Willrick, piano accordionist; Orill O'Reilly, vocal entertainer; 12:30 p. m., health talk, Dr. A. H. Flickwir; 7:30, Bible class, Rev. Claude L. Jones; 8, Edith Brown, organist; 8:30, Frank Tilton, blind pianist; 11, Jamie's Grand theater entertainers.

KSD, St. Louis, Mo. (545.1), 7 p. m., program, Missouri theater; 8:30, St. Louis symphony orchestra concert.

KTHS, Hot Springs National Park, Ark. (374.8), 9-9:20 p. m., comedy program, Al Reynolds; Mrs. Stone, accompanist; 9:20-9:25, bedside story, representative, Medical Intelligence bureau; 9:25-10:30, New Arlington hotel orchestra.

KWKH, Shreveport, La. (261), 9 p. m., Harmony five.

KYW, Chicago, Ill. (535.4), 11:35 a. m., table talk, Mrs. Anna J. Peterson; 12:05-1 p. m., noonday concert, Commonwealth Edison company; 1-2, Congress hotel, Coon-Sanders Original Nighthawks; 4, frolic; 7:05, children's bedtime story, Uncle Bob; 6, dinner music, KDKA; 7:30-8:30, home-lovers' hour; 8:30-11, Congress classic; 11:30-1 a. m., Congress carnival; 1-2, Insomnia club, Coon-Sanders Original Nighthawks.

WAMD, Minneapolis, Minn. (243.8), 12 m., musical program; Marion Latta, contralto, Carl Schmid, tenor, Bayne Cummins, accompanist, Rose Leiberman, contralto; 7:05, talk; 7:10, popular musical program; Harmony twins, Fred Roble, Bob Melcher, Rose Leiberman, contralto, Adeline Wagner, soprano, Sidney Beskin, tenor; 11, skyrocket frolic, George Osborn's Hotel Radisson.

WBBM, Chicago, Ill. (226), 4-6 p. m., Harry and Sandy; Valentino Inn orchestra; Jack Penewell; 8-9:30, college program; 9:30-11, Sandy and Harry; Moulin Rouge orchestra; Sy Berg; Fred Jacobson; 11-2, Sunset male quartet; George Thurn; Two Jays, Lew Russell; Romo Vincent; Moulin Rouge orchestra.

WBCN, Chicago, Ill. (266), 10-10:30 a. m., shopping talk, Penny Wise; 3-5 p. m., tea time matinee; Clarence Jones, pianist and song writer; Cecile and Johanna Arends, violinist and pianist; Marie Wright, soprano; 10-11:15, jazz jamboree, Midway Dancing Gardens orchestra; Cameron and Fett, "The Harmony Wizards," harmony duo; Albert Blaha, concertinist; Johnny Special, the harmonica acrobat; Elizabeth Emmett Malone, soprano; Jack Parker, tenor; 11:15-12, King Static's court; Frank H. MacDonald, "King Static"; Mary Williams, "Queen Olive"; Harry A. Zook, Jr., "Prime Minister"; "Big Boy" Yagle, "Court Jester."

WCCO, Minneapolis-St. Paul, Minn. (416.4), 12:30 p. m., Golden Pheasant orchestra; 2:30, afternoon concert; 6:15, Biley's St. Paul hotel concert orchestra; 8, fireside philosophies, Rev. Roy L. Smith; 8:15, musical program; 10:05, Arnold Frank's St. Paul hotel orchestra.

WDAF, Kansas City, Mo. (365.6), 3:30-4:30 p. m., Star's string trio; 6-7, personal message, Roger W. Babson; organ music, Pantages theater; music, the Trianon ensemble; 11:35-1, the Plantation players, Hotel Muehlebach; Billy Adair's Kansas City club orchestra; Eddie Kuhn's Kansas City Athletic club orchestra.

WEBH Chicago, Ill. (370.2), 11:30-12 m., woman's hour; 9, Edgewater Beach Oriole orchestra, dance numbers; 10, James Murray, tenor; Marie Kelly, readings; 11, Edgewater Beach Oriole orchestra, dance numbers; 12, Marie Kelly, readings; songs; Wayne Myers, stories; Frank Greif, tenor; 1, Edgewater Beach Oriole orchestra, dance numbers; 2, Marie Kelly, readings; Frank Greif, tenor; Wayne Myers, stories, Kay Ronayne, songs.

WENR, Chicago, Ill. (266), 6-7 p. m., dinner concert, Rauland lyric trio; Marie Tulley, soprano; piano selections; 8-10, popular program; All-American Pioneers; Walter Peterson, Kentucky Wonderbean; John Papa, concertinist; vocal selections; Al Tweed, harmonica soloist; Art Biliquist, popular songster.

WGES, Oak Park, Ill. (250), 5-7 p. m., Margo Van, organist; Ruth Kalthoff, mezzo-soprano; John Stanford tenor; playlet, Miles Sullivan players; 8-9, Doc Berendson and his Tiffin theater orchestra; Paola Corado, baritone; Ellen Maurice, pianist; Remington Welsh, organist; 11-1 a. m., the Coyne Serenaders orchestra; Remington Welsh, organist; Sandy McTavish, Scotch comedian; Eddie Adams, the girl with the uke; Rose Sweeney and Loretta Clusman.

WGN, Chicago, Ill. (302.8), 11-11:30 a. m., household hints; 11:30-12, fashions; 12:40-2:30 p. m., Drake concert ensemble, Blackstone string quintet; 2:30-3, Lyon and Healy artist series; 3-3:25, public service period; 3:25-3:30, Port o' Missing Men; 3:30-4:15, tea time music, Marshall Field tea room orchestra; 4:15-5, syncopation matinee; 6:30-7, Drake concert ensemble, Blackstone string quintet; 8-9, Drake concert ensemble; 9-10, popular program; 10-11, amateur night.

WHAD, Milwaukee, Wis. (275), 11 a. m., pianolog, Andy Hertel; story for children, Fave McBeath; Margaret Cunningham, pianist; Willard Kaledbe, tenor banjo soloist.

WHAS, Louisville, Ky. (399.8), 1-2 p. m., concert, Benson trio, Seelbach hotel; 3-4:30, organ recital, Mrs. Myrtle Fulks Zahn, Jr., at the Alamo theater; soprano solos; Mrs. Philip Maxwell; 4-5, musical selections, Harry S. Currie director, assisted by Leroy Hobb; soprano solos, Minnie Simon, accompanied by Yetta Costa; reading, Martha Pope Robinson; reading; 7:30-9, concert, Barney Rapp's orchestra Brown hotel; soprano solos, Mrs. W. N. Lipscomb.

WHT, Chicago, Ill. (399.8), 6 p. m., classical program; dinner organ recital, Al Carney, Granada's string trio, Eleanor Kaplan, violinist, W. A. Dickman, basso; Jean Carlson, soprano, Hugh Aspinwall, tenor; 7:15-9:15 (238), musical features, Alamo orchestra; 9:30 (399.8), Chez Pierre orchestra; Fred Jacobson, humorist; 9:50, Kitchen Klenzer entertainers; 10:10, Vic Fredericks, baritone; Clark and Bala, Hawaiian team; 10:30, Gervin Little symphony; 11:30, Oscar Heather, tenor; 12, Pat Barnes, "Year Hour League", president, Pat Barnes and Al Carney.

WIBO, Chicago, Ill. (226), 10-11 a. m., shoppers' bureau; 2-4 p. m., popular half-hr program; 6-8, dinner concert, WIBO trio; Ruth Buhl Flick, reader; North Shore Line quartet.

WKAF, Milwaukee, Wis. (261), 8:30-10:30 p. m., May Schaller, A. W. Mc ——; Hy Clemans' Arcadians dance program; 11:15-12:30.

WLS, Chicago, Ill. (344.6), 12-12:45 p. m., Junior R. F. D. roundup program; trapping talk, S. T. Kesler; "Farmers of Tomorrow," John C. Mc——; 7-7:30, lullabe time, Ford and Glenn; 7:30-12 midnight, national barn dance and revue.

WLW, Cincinnati, Ohio (422.3), 7 p. m., organ concert, Johanna Grosse; 7:30, children's safety talk, Victor Strauss; 7:40, Scholars Associate, 8, Uncle Charlie Warner and his Coon Dog orchestra; 9, dance music, Castle farm.

WMAQ, Chicago, Ill. (447.5), 6 p. m., Chicago theater organ; 6:30, Hotel LaSalle orchestra; 8, Frederick Daw, Russell Pratt; 8:30, "The Heart of Africa," Mary Hastings Bradley; 9, Chicago theater revue.

WMBB, Chicago, Ill. (250), 7-8 p. m., Trianon duo, David Reed, whistler; Ralph Elliott, pianist, director J. Bedewall Lampe; 9-11, Trianon orchestra, Dell Lampe, Wendlawn orchestra, Arvin E. Hand, Scott Welsh and Madison 4 corn, Lionel Carter, Tracy and Duncan, popular program.

WMC, Memphis, Tenn. (499.7), 7:15 p. m., bedtime story; 8:30, Valentown Jazz Band.

WOAW, Omaha, Nebr. (526), 6 p. m., orchestra; 7,

High Lights of the Week

MODERN jazz orchestra leaders who think that synchronizing their shoulders with the music is something new have a lot to learn from Uncle Jimmy Thompson who has been fiddlin' for more than sixty years. Although Uncle Jimmy is only 82, he plays 375 barn dance numbers which he dances as he plays. Radio has at last claimed this popular fiddler and he will appear every Saturday at WSM, Nashville. Intrepid hunters will prefer the travelog by Mary Hastings Bradley at WMAQ, Chicago.

The world's greatest lieder singer is the title given to Elena Gerhardt, who will sing these charming German folk songs Sunday evening at WTIC, Hartford. Roszi Varady, cellist, will assist. Paul Althouse, tenor, and Arthur Middleton, baritone, formerly of the Metropolitan opera company, are the Atwater Kent artists singing over the WEAF chain this Sunday. Detailed program appears on page 19.

The guest artist of the community program at WSAI, Cincinnati, Monday evening, is Grace Kerns, soprano soloist of St. Bartholomew's church of New York. Miss Kerns is one of the most famous of church soloists. Fans who are glad the Red Headed Music Maker is back in this country will be pleased to know that Wendell Hall sings from KFAB, Lincoln, Neb., this same evening.

An ex-service man who fought and was wounded in the battle of Argonne Forest is the new Tuesday feature of WBAL, Baltimore. He is John Wilbourn, popular as a ballad singer, and will give the dinner hour concert on this day. He has sung with the DeFeo opera company and the Washington Chamber Music society.

The zither is an old-fashioned musical instrument being revived by Radio. This queer instrument which sounds a little like the xylophone will come into its own Wednesday evening when the Cincinnati Zither players gather at WLW. Old fiddlers have been competing in Iowa, Kansas and other states in the Union. Now Arkansas schedules an old fiddlers' contest at KFMQ.

From eleven to three a gay party may be enjoyed by fans who cannot sleep Thursday night. Representatives of the theatrical press will meet in the grand ballroom of the Sherman House. Their witty speeches will be broadcast by WLS. Another late or early program may be enjoyed at WRR, Dallas. George Perfect and assisting musicians from the Melba theater will make the midnight hour a pleasant one.

Ye Old Tyme Village quartet whose singing of "Old King Cole," "Robin Adair," "Juanita," and many other favorites of long ago has made it famous, will entertain at CNRT, Friday. Patsy O'Shawghnessy Douglas, whistler, will be the soloist.

ELEPHANT HUNTER TO TALK AT WMAQ

Here is another reason why California successfully holds its own against Florida. Roberta Wood is a member of the Y. W. C. A. girls' class, which meets every Friday at KGO, Oakland. To the right is Nick Nichols, orchestra director, composer, violinist, baritone and WPG announcer.

Saturday, January 9

after-dinner hour; 9, Deluxe program; 10:30, Frank Hodek and his Nightingale orchestra; 11, Arthur Hays and his organ jubilee, Dr. Applesauce, announcing.

WOC, Davenport, Iowa (483.6), 5:45-6 p. m., chimes concert; 6:30-6:50, Sandman's bedtime stories, L. Emory Wass; 9-10, musical program, K. of C. minstrels, Kewanee, Illinois; 11-12, LeClaire hotel orchestra; Peter MacArthur, baritone.

WOI, Ames, Iowa (270), 12:45 p. m., "Problems, Questions and Answers Relating to Soils," Prof. W. H. Stevenson.

WOK, Chicago, Ill. (217.3), 1-2 a. m., Tierney's Town club orchestra; Husk O'Hare's Cocoanut Grove orchestra; Harriet Lee, contralto; Herman Sinaiko, violinist; George Allen, tenor; Bob Mokrejs, pianist; 6 p. m., 1:30 a. m., Gus C. Edwards and his orchestra; Husk O'Hare's Cocoanut Grove orchestra; Tierney's Town club orchestra; Capitol theater musical program; WOK mixed quartet; Herman Sinaiko, violinist; Harriet Lee, contralto; George Allen, tenor; Bob Mokrejs, pianist; Bill Hay, bass.

WOQ, Kansas City, Mo. (278), 8-9 p. m., musical program; 10-11, musical healing service.

WORD, Batavia, Ill. (275), 8 p. m., Webster hotel concert; 10, program, B. Csillog, director; Chicago Motor club speaker.

WQJ, Chicago, Ill. (447.5), 11-12 m., home economics program; "Let's Choose a Picture," Marjory Curry; "Better Diction," Madame Peggy Righter; 3-4 p. m., kaffee klatsch program; 7-8, Ralph Williams and his Rainbo Gardens orchestra; Sheppard Levine, tenor; Helen Reed, accompanist; Kane McDuffee, whistler; Ralph Keim, pianist; Anne Keim, soprano; 10-2 a. m., Ralph Williams and his Rainbo Skylarks; Jerry Sullivan; Rose Vanderbosch, soprano; Hal Lansing, ukulele soloist; Everett George Opie, reader; Bert Davis; Clarence Theders, tenor; George Thurn, kazoo soloist; Joey Stool, tenor; Eddie Vogel, baritone; Thelma Pefferle, soprano.

WRR, Dallas, Tex. (246), 12-1 p. m., music; 5:15, bedtime story; 6-7, Jack Gardner's orchestra; 8-9, Mrs. Fay Rabb, violinist.

WSAI, Cincinnati, Ohio (326), 7:30 p. m., children's stories, Mrs. Ethel Knapp Behrman; 7:50, WSAI Radio chime concert, Robert Badgley; 8:15, the Bicycle Playing Card sextet.

WSB, Atlanta, Ga. (428.3), 8 p. m., Rogers red head club; 10:45, Hired Help skylark.

WSM, Nashville, Tenn. (282.8), 6:30 p. m., Francis Craig and his orchestra; 7, WSM bedtime story interlude; 8, Uncle Jimmy Thompson, champion barn dance fiddler; 9, Tennessee College Glee club; 10, Paul Sharpe's orchestra.

WSUI, Iowa City, Iowa (483.6), 7:30-9 p. m., musical program; Mildred B. Paddock, mezzo-soprano; Verness Ruch, pianist.

gram, Pasadena ensemble, soloists; 9-10, Maryland hotel dance orchestra.

KTAB, Oakland, Calif. (240), 9-9:30 a. m., prayer service, Rev. E. L. Spaulding.

Sunday, January 10

Headliners Today

Eastern	Central	Mountain	Pacific
5 p. m.	4 p. m.	3 p. m.	2 p. m.
WTIC (475.9) Organ recital.			
9	8	7	6
KTHS (374.8) Classic hour.			
WTIC (475.9) Elena Gerhardt, German singer.			
9:15	8:15	7:15	6:15
WEAF (491.5), WEEI (348.6), WGR (319), WCAE (461.3), WCAP (468.5), WJAR (305.9), WTAG (268), KSD (545.1), WCCO (416.4), WOC (483.6), WOO (508.2), WGN (302.8), WSAI (326), WWJ (352.7) Atwater Kent hour.			
11:15	10:15	9:15	8:15
WHB (365.6) Organ concert.			
11:30	10:30	9:30	8:30
KTHS (374.8) Organ classic.			
12 m.	11	10	9
KFI (467) Examiner hour.			
KNX (336.9) Russian string quartet.			

Sunday, silent night for: CFAC, CKNC, CNRA, CNRC, CNRE, CNRM, CNRO, CNRR, CNRT, CNRV, CNRW, KFAB, KFAU, KFKX, KFMQ, KFOA, KFVE, KFWA, KMA, KOAC, KMTR, KOB, KSAC, KSO, KWSC, PWX, WAHG, WCAD, WCX, WDAF, WEAO, WEBJ, WEBW, WGES, WGHB, WGST, WHAD, WHAS, WHAZ, WIP, WJAZ, WJJD, WKAF, WKAR, WLIT, WMAQ, WMC, WNYC, WOI, WRC, WRVA, WSB, WTAM.

Eastern Time Stations

CFCA, Toronto, Can. (356), 11 a. m., service, St. Michael's cathedral; 7 p. m., St. Paul's Anglican church.

CHIC, Toronto, Can. (357), 5 p. m., organ recital, George H. Graham.

KDKA, Pittsburgh, Pa. (309.1), 11 a. m., church services; 4 p. m., organ recital, Dr. Charles Heinroth; 4:45, vesper service, Shadyside Presbyterian church, Rev. Hugh Thomson Kerr, pastor; 6:30, dinner concert; 7:45, services.

WBAL, Baltimore, Md. (246), 6:30-7:30 p. m., twilight program; WBAL concert program with vocal and instrumental soloists.

WBZ, Springfield, Mass. (333.1), 10:50 a. m., South Congregational church, Rev. James Gordon Gilkey, pastor; 7 p. m., Copley Plaza orchestra; 8, Ford Hall Forum, talk, "Hypocrisy of White Folks," Dr. W. E. B. DuBois.

WCAP, Washington, D. C. (468.5), 11 a. m., church service; 4, chapel service; 7:20-9:15, musical program, Capitol theater, New York; 9:15-10:15, Atwater Kent Radio hour.

WCAU, Philadelphia, Pa. (278), 5 p. m., recital; 5:15, Radio church services; 5:25, "The Third and Fourth Days in Soul's Growth," Rev. Dr. John Stockwell; 6:45, Clarence Seamen's concert orchestra; 7:45, Cathay tea garden concert orchestra; 8:30, Bonwit Teller's light opera company; 9, Potash and Perlmutter.

WCX, Detroit, Mich. (516.9), 10:30 a. m., services, Central Methodist Episcopal church.

WEAF, New York, N. Y. (491.5), 2-3 p. m., Sunday Radio service, auspices of Greater New York Federation of Churches, Rev. Herbert F. Laflamme, presiding; 3-4, Young Peoples conference, auspices of Greater New York Federation of Churches, direct from Marble Collegiate church; 4-5:30, men's conference, Bedford Branch Y. M. C. A., Brooklyn, Mr. H. Walter Riland, presiding, WEEI, WTAG, WCAE, WSAI; 7:20-9:15 Major Edward Bowes and "Capitol Family," also through WEEI, WCAP, WJAR, WTAG, WWJ, WCAE, KSD; 9:15-10:15, Atwater Kent Radio hour with Paul Althouse, tenor; Arthur Middleton, baritone, WEEI, WCAP, WJAR, WGR, WCAE, WSAI, WWJ, WOC, WCCO, WGN, WEAR, KSD, WTAG, WOO.

WEAR, Cleveland, Ohio (389.4), 3:30 p. m., Goodyear concert orchestra; 7, Park theater orchestra, Angelo Vitale director; 7:45, Fireside hour; 8:30, Vincent Percy, organist; 9:15, Atwater Kent hour, WEAF.

WEEI, Boston, Mass. (348.6), 10:40 a. m., Old South Church; 3 p. m., organ recital; 4, Dr. S. Parkes Cadman, WEAF; 7:20, Major Bowes and his Capitol Family; 9:15, Atwater Kent Radio hour.

WFI, Philadelphia, Pa., (394.5), 4:30 p. m., services, Central branch Y. M. C. A; Lewis Brothers quartette.

WGCP, New York, N. Y. (252), 7-8 p. m., Molzen's orchestra; 8, Milton Yokeman, tenor; 8:15, Share and Retskin; 8:30, studio program; 8:45, health talk; 8:50, Bernard Share, violinist; Harry Retskin, pianist; 9-9:30, Strickland's orchestra.

WGR, Buffalo, N. Y. (319), 3 p. m., concert, Walther chorus; 7:45, Central Presbyterian church service; 9:15, WEAF, Atwater Kent program.

WHAR, Atlantic City, N. J. (275), 10:45 a. m., morning service, Chelsea Baptist church; 2:15 p. m., sacred recital, Seaside hotel trio; 2:45, sermon; 7:50, Chelsea Baptist church; 9, "An Hour with the Classics," Seaside hotel quartet; 11:15, Strand theater organ recital.

Mountain Time Stations

KFWA, Ogden, Utah (261), 4-5 p. m., organ recital, Paramount theater; 5-6, Ogden Radio dealers program! 9-10:30, organ recital, Paramount theater; 10:30-12, dance music, Olie Reeves and his orchestra.

KOA, Denver, Colo. (322.4), 12:15 p. m., Rialto theater musicale; 9, dance program, Harmony Peerless orchestra.

Pacific Time Stations

KFI, Los Angeles, Calif. (467), 5:30-6 p. m., Examiner matinee; 6 p. m., nightly doings; 6:15, KFI's seeing California; 6:30, vest pocket program; 6:45, Radiotorial period; 7-8, program arranged by Maude Reeves Barnard; 8-9, Examiner hour; 9-10, Louise Klos trio, Yeabel Bowen, soprano; 10-11, Packard Radio club, Billy and Polly Hall; Carlson Sisters, Madelyn Hardy and other favorites; 11-3 a. m., KFI midnight frolic, Don Meany, master of ceremonies.

KFOA, Seattle, Wash. (454.3), 8:30-9:30 p. m., program; 9:30-11:30, Eddie Harkness and his orchestra.

KGO, Oakland, Calif. (361.2), 4-5:30 p. m., concert orchestra, Hotel St. Francis; 8:10, Wagnerian program, San Francisco concert orchestra; California mixed chorus; Marion Vecki, baritone; Flora Howell Bruner, soprano; Edna Linkowski, pianist; Carl Anderson, tenor; George B. Allen, baritone; Ruth Waterman, contralto; 10-12, Girvin-Deuel California Collegians orchestra.

KGW, Portland, Ore. (491.5), 10:30 a. m., music; 12:30-1:30 p. m., Rose city trio; 6-7, dinner concert; 9-12, dance music, Indian Grill.

KHJ, Los Angeles, Calif. (405.2), 6-6:30 p. m., Leighton's Arcade cafeteria orchestra, Jack Cronshaw, leader; 6:30-7:30, history story, Prof. Hertzog; Jack Searle, Dollie Wright, Henrietta Poland, Nona Clapp in the kiddies' hour with Uncle John; 7:30, "Advice to Imperial Valley Growers," Fred C. McNabb; 8-10, de luxe program, arranged and presented by Walter Biddick; 10-11, Don Clark's Biltmore hotel dance orchestra.

KJR, Seattle, Wash. (384.4), 1-2:30 p. m., matinee program, organ recital, Columbia theater; tonight's dinner, Bernice Redington; 8:30-10, L. C. Warner company studio program; 10-12, Henry Halstead's Victor recording orchestra.

KMTR, Hollywood, Calif. (238), 6-7 p. m., Starr Piano company studio; 8-10, the Turner orchestra in classical selections, direction Loren Powell.

KNX, Hollywood, Calif. (336.9), 5-5:30 p. m., Sunny Jim's stories; 5:30-6:15, Wurlitzer pipe organ studio; Town Tattler; 6:15, travel talk, W. F. Alder; 6:30-7, Atwater Kent concert orchestra; 7, stories of insect life, H. W. McSpadden; 7:15, church announcements; 7:30-8, program, Wurlitzer pipe organ studio; 8-10, KNX feature program; 10-11, Ray West's Cocoanut Grove orchestra, Ambassador hotel; 11-2 a. m., Hollywood Nite with Filmland Frolickers.

KPO, San Francisco, Calif. (428.3), 1-2 p. m., Rudy Seiger's Fairmont hotel orchestra; 2:30, Modesto Boy's band; 3:30, Palace hotel concert orchestra; 6:35-7:30, Waldemar Lind and the States restaurant orchestra; 8-12, Cabiria cafe orchestra.

KPSN, Pasadena, Calif. (315.6), 8-9 p. m., studio program, Pasadena ensemble, soloists; 9-10, Maryland hotel dance orchestra.

WHN, New York, N. Y. (361.2), 12:30-1 p. m., Lexington organ recital; 2-3, Queens County Christian Endeavor program; 3-4:30, Calvary Baptist church services; 5-5:30, Roseland dance orchestra; 7:30-9:45, Calvary Baptist church services; 10:45-11:15, Janssen's orchestra; 12-12:30 a. m., Harry Richman and his entertainers.

WIP, Philadelphia, Pa. (508.2), 10:45 a. m., services, Holy Trinity church; 4 p. m., "A Young Man Looks at His World," religious talk, Tom Skeyhill.

WLIT, Philadelphia, Pa. (394.5), 2 p. m., Arcadia cafe concert orchestra; 6:30, organ recital, Benjamin Franklin hotel; 7, Benjamin Franklin hotel concert orchestra; 8:30, concert, auspices Jewish welfare.

WLWL, New York, N. Y. (288), 8-10 p. m., Paulist choristers; sermon, Rev. James M. Gillis.

WMAK, Lockport, N. Y. (266), 7:45-8 p. m., musicale; 8-8:30, Amy Titus Worthington, pianist; 8:30-9, musicale, Wolff's Furniture House, Inc; 9-10, musicale program, Sunrise Point Development company.

WMCA, New York, N. Y. (340.7), 11-12 a. m., Christian Science services; 6-7 p. m., Roemer's Homers; 7-7:30, Ernie Golden and his Hotel McAlpin orchestra; 7:30-8, Olcott Vail and his Hotel McAlpin string ensemble.

WOO, Philadelphia, Pa. (508.2), 2:30 p. m., musical exercises, Bethany Sunday school; 6, organ recital, Clarence K. Bawden; 7:45, services, Bethany temple, sermon, Rev. Gordon MacLennan; 9:15, Atwater Kent Radio hour, Paul Althouse, tenor, Arthur Middleton, baritone.

WPG, Atlantic City, N. J. (299.8), 3:15 p. m., organ recital, Arthur Scott Brook; 4:15, community vocal and instrumental recital, St. James Episcopal church; 9, Hotel Ambassador concert orchestra; 10, organ recital.

WTAG, Worcester, Mass. (268), 4-5:30 p. m., men's conference in the Bedford Branch Y. M. C. A., Brooklyn, New York; address, Dr. S. Parkes Cadman; music by Gloria Trumpeters, George Betts, chime soloist; 7:20-9:15, musical program, Major Edward Bowes and the "Capitol Family"; 9:15-10:15, Atwater Kent Radio hour.

WTIC, Hartford, Conn. (475.9), 5 p. m., organ recital, Prof. Harry B. Jepson; 9, Roszi Varady, cellist Elena Gerhardt, vocalist.

WWJ, Detroit, Mich. (352.7), 11 a. m., St. Paul's Episcopal cathedral; 2 p. m., Detroit News orchestra; 7:20, Capitol theater gang.

Central Time Stations

CKY, Winnipeg, Can. (384.4), 7 p. m., Crescent United church; 9, studio concert.

KFAB, Lincoln, Nebr. (340.7), 4-5 p. m., vesper service, sermon and music.

KFNF, Shenandoah, Iowa (266), 10:45 a. m., morning worship, First M. E. church; 2:30 p. m., Golden Rule song service; 3, religious services, Methodist Sunday school; 6:30, regular services, Golden Rule Circle; 7:30, Christian church services.

KMA, Shenandoah, Iowa (252), 4-6 p. m., Vesper service, music and talk, G. H. Van Houten.

KPRC, Houston, Texas (296.9), 10:45 a. m., St. Paul Methodist church, Rev. K. P. Barton, pastor; 7:30 p. m., Christmas song service, First Methodist church, Mrs. John Wesley Graham, director of choir; 9:30, studio program.

KSD, St. Louis, Mo. (545.1), 6:15 p. m., St. Louis Post-Dispatch concert orchestra, Max Steindel, conductor; 8:15, Atwater Kent program, WEAF.

KTHS, Hot Springs National Park, Ark. (374.8), 11-12:15 p. m., services, First Presbyterian church; 9-10, classic hour, New Arlington Grand ensemble; 10-11:30, Arkansas Traveler limited frolic, Benny Ford and his musical train crew; 11:30-12:30, Lawson Reid, organist.

KWKH, Shreveport, La. (261), 9:30 a. m., Four Square Bible class; 5-6, program, George T. Bishop Inc.

KYW, Chicago, Ill. (535.4), 11 a. m., Central church services, Rev. Frederick F. Shannon, pastor; 2:30 p. m., studio chapel services; 4:30, studio concert, Edwin Harper, director; 7, Chicago Sunday Evening club services, Clifford Barnes, president; music, Edgar Nelson, director; Charles W. Gordan, speaker, 9:30, classical concert, Commonwealth Edison company.

WAMD, Minneapolis, Minn. (243.8), 9:30 p. m., Gayle Wood; Harmlony hurricane; request program.

WBBM, Chicago, Ill. (226), 12:30-2 p. m., William Zimmer, tenor; Kantor A. Kritz; Sandy Meek and Harry Sosnik; Edna Wheeler Ballard, harpist; Moulin Rouge operatic quartet; 4-6, Joe Allabaugh; Lavergne and Shayne, xylophonists; Pete Kules; Tip trio; Ziegler; Harold Anderson; 8-10, Sunset male quartet; WBBM string trio; Moulin Rouge orchestra; 12-2, Nutty club.

WBCN, Chicago, Ill. (266), 10:30 a. m.-12 noon, morning service, People's Liberal church; talk, Rev. Rufus A. White; 4-5 p. m., Dain & Son classical hour; Velma Cook, soprano; Oriental quartet; male harmony group; Robert Stronach, pipe organist; 7:45-9:15, evening services, Thoburn M. E. church, 40-piece Thoburn semi-symphony orchestra; 80-voice choir, special vocal soloist; speaker.

WCBD, Zion, Ill. (344.6), 3 p. m., Mrs. Esther Cook-Rendall, soprano; marimba duets, Beem, Newcomer; William C. Dunn, euphonium soloist; Paul Stewart, cornetist; Mr. and Mrs. J. D. Thomas, vocal duets; Marion Lee, reader; Mrs. Marion Moulton-Priddy, pianist.

WCCO, Minneapolis-St. Paul, Minn. (416.4), 10:50 a. m., Westminster Presbyterian church; 4:10 p. m., House of Hope Presbyterian church; 6:20, Second Church of Christ Scientist; 8:15, Atwater Kent program, Paul Althouse, tenor; Arthur Middleton, baritone.

WDAF, Kansas City, Mo. (365.6), 4-4:45 p. m., WDAF's Sabbath vespers, First Presbyterian church, Rev. James Congdon, pastor.

WDOD, Chattanooga, Tenn. (256), 7:30-9 p. m., services.

WEBH, Chicago, Ill. (370.2), 10:40-12 m., church service, Seventh Church of Christ Scientist; 5-6, twilight musicale, selected artists.

WEBW, Beloit, Wis. (268), 4:30 p. m., Regular College vesper service.

WENR, Chicago, Ill. (266), 2-4 p. m., classical program; Rauland lyric trio; religious program; Eric Sagerquist, violinist; 9:30-11:30, All-American Pioneers; Hal Laige, saxophonist; Marie Tulley, soprano; Frank Westphal.

WGES, Oak Park, Ill. (250), 7:40 p. m., the Woodlawn Park Presbyterian church choir: the Baldwin mixed quartet; Lydia Werner, soprano; Veronica Krebs, contralto; Peter Matthews, basso; John Stamford, tenor; Moody Bible institute program; Doc Erendson's orchestra.

WGN, Chicago, Ill. (302.8), 12 m., comics, Uncle Walt; 12:45 p. m., Chicago theater program; 2-3, Lyon and Healy organ recital; 8:15-9:15, Atwater Kent program, WEAF.

WHAD, Milwaukee, Wis. (275), 3:15 p. m., Turnverein symphony orchestra.

WHAS, Louisville, Ky. (399.8), 9:57 a. m., organ prelude; 10, church service, Broadway Baptist church; music by choir, H. U. Goodwin, organist; Mrs. O. W. Edinger, soprano; Angeline McCrocklin, contralto; Charles H. Barnes, Jr., tenor; William Cornwall, baritone; 4:30-5:30, evensong choral service, Christ church, Rev. Richard L. McCready, dean, assisted by Rev. Frank W. Hardy, senior canon; Ernest Arthur Simon, organist and choirmaster; boys' choir.

WHB, Kansas City, Mo. (365.6), 9:40-10:45 a. m., Linwood Boulevard Christian church; 11:15-12 n., Independent Boulevard Christian church, Dr. R. H. Miller, pastor; 8-9:15 p. m., Westport Methodist Episcopal church; 11-11:15, Morrell Moore, organist.

WHO, Des Moines, Ia. (526), 11 a. m., church service; 7:30-8:30 p. m., Reese-Hughes orchestra.

WHT, Chicago, Ill. (399.8), 12 m., Sunday dinner sacred concert, vocal and organ; 12:45 (238), sunshine hour, program for shut-ins and the sick; 1:15, shepherd time for the kiddies; 1:30, Aerial girls program; 1:45, Radio rangers; 2, fellowship program; 2:30, missionary program; 2:45, orchestra concert and afternoon services, Chicago Gospel tabernacle; 5:30, Vesper concert; 6, Young Women's council; 6:30, concert, Tabernacle band and choir; sermon, Paul Rader; 9:30, request program; 10:30, Paul Rader and National Radio chapel staff.

UNCLE JIMMY THOMPSON AT WSM

Sunday, January 10

WIBO, Chicago, Ill. (226), 2-4 p. m., Chester Newman, baritone; Mildred Perlin, reader; WIBO string trio; 6-8, sacred songs, Walter Preston; Fred Nobel, cornetist; Earl Bigelow, pianist; WIBO trio; 10-12, Hamilton club; Eugene Kammerer, bass; Walter Preston, tenor.

WLS, Chicago, Ill. (344.6), 6 p. m., prelude; 6:30-755, WLS Little Brown church in the Vale; Ralph Emerson, organist; choir.

WLW, Cincinnati, Ohio (422.3), 9:30 a. m., school, editorial staff of Sunday school publications, Methodist book concern; 11 p. m., morning worship, Seventh Presbyterian church, Jesse Halsey, minister; 3, organ recital, J. Alfred Schehl; 7:30, services, Emmaus Evangelical Lutheran church, Rev. P. L. Dannenfeldt, pastor; 8:30, the H. & S. Pogue company concert, Walter Esberger, director.

WMBB, Chicago, Ill. (250), 3-5 p. m., Trianon orchestra, Dell Lampe, Woodlawn theater orchestra, Armin F. Hand, Earle Smith, Tommy Hughes, Scotty Welsh and Madison Sisters, concert program; 7:40-9, services, Fifth Church of Christ Scientist; 9-11, Trianon orchestra, Dell Lampe, Woodlawn theater orchestra, Armin F. Hand, Billie Allen Hoff, Gertrude Wells, Walter Duffy, Si Berg, popular program.

WOAI, San Antonio, Texas (394.5), 11 a. m., services, First Presbyterian church, Rev. P. D. Hill, pastor; 7:45, services, Central Christian church, Rev. Hugh McLellan, pastor.

WOAW, Omaha, Nebr. (526), 9 a. m., chapel service, Rev. R. R. Brown; 1:30 p. m., matinee program; 6, Mrs. Carl R. Gray; 9, chapel service.

WOC, Davenport, Iowa (483.6), 1-2 p. m., Palmer Little symphony; Paul J. Vipperman, tenor; 6:30-7, First Baptist church; 8:15-9:15, Atwater Kent, WEAF; 9:45-11:45, Palmer Little symphony.

WOK, Chicago, Ill. (217.3), 1-2 p. m., Bernie Cummins Town club orchestra; Husk O'Hare's Cocoanut Grove orchestra; Harriet Lee, contralto; Herman Sinaiko, violinist; George Allen, tenor; Bob Mokrejs, pianist; 6-1:30 a. m., Husk O'Hare's Cocoanut Grove orchestra; Bernie Cummins Town club orchestra; Capitol theater complete musical program; WOK mixed quartet; Herman Sinaiko, violinist; Harriet Lee, contralto; George Allen, tenor; Bob Mokrejs, pianist; Bill Hay, bass.

WOQ, Kansas City, Mo. (278), 11 a. m.-12 n., services; 7-7:45, services.

WOS, Jefferson City, Mo. (440.9), 9:30 p. m., religious services, remote control Christian church, Rev. Haushalter, pastor; 7:30, religious services, First Presbyterian church, Rev. A. B. Jackson, pastor.

WQJ, Chicago, Ill. (447.5), 3-4 p. m., Salda A. Ballantine artists; 8-10, Ralph Williams and his Rainbo Gardens orchestra; Fontella trio; Frederick Mueller, German tenor; Kathryn Diepenbrock, pianist; Jeanette Van Lennep, soprano; Mary Van Lennep, accompanist; Jean Carlson, soprano.

WRR, Dallas, Texas (246), 12:45 p. m., church service; 7:30, service; 9-10, band concert.

WSAI, Cincinnati, Ohio (326), 2:45-4:30 p. m., address, Dr. S. Parkes Cadman, pastor, Central Congregational church, New York; music, Gloria Trumpeters, George Betts, chimer; 7:45, WSAI Radio chime concert, Robert Badgley; 8, sermonet, Press-Radio Bible Service, Inc.; 8:15-9:15, program, Atwater Kent Radio hour, WEAF; 9:15, Union Central Life Insurance company orchestra, Sigmund Culp, director.

WSM, Nashville, Tenn. (282.8), 10:30 a. m., First Presbyterian church.

WSUI, Iowa City, Ia. (483.6), 4 p. m., vesper service, University orchestra; choir; address, Judge Rosenberry; 9:15, familiar hymns, Lottie Volkner.

Mountain Time Stations

KFXF, Colorado Springs, Colo. (250), 7:30-9 p. m., First Methodist church services.

KOA, Denver, Colo. (322.4), 11 a. m., First Congregational church, Rev. Robert Hopkins; 3 p. m., First Congregational church, R. H. Mintener, organist; 7:30, services, First Congregational church.

Pacific Time Stations

KFI, Los Angeles, Calif. (467), 4-5 p. m., vesper service arranged by Frederick Hermann; 6:30, nightly doings; 7-8, Aeolian residence pipe organ, Dan McFarland, organist; 8-9, Louise Klos trio; Ysabel Bowen, soprano; 9-10, Examiner hour; 10-11, Packard Six dance orchestra.

KFON, Long Beach, Calif. (232.4), 2:30-4 p. m., Long Beach municipal band; 4-4:30, amusement bulletin; 6-6:30, organ recital, Brayton's theater; 8-9, service, First Church of Christ, Scientist.

KFWB, Hollywood, Calif. (252), 7-9 p. m., late news and Warner Brothers' movie frolic, California Blue boys, Warner Brothers' syncopators, Emma Kimmel, soprano; Albert Keglovich, violinist.

KGO, Oakland, Calif. (361.2), 11 a. m., sevice, First Presbyterian church; 3:30 p. m., KGO Little Symphony; Arthur S. Garbett, interpretative writer; Ruth Waterman, contralto; 7:30, First Presbyterian church.

KGW, Portland, Ore. (491.5), 10:25-12 m., First Presbyterian church; 7:30-9, East Side Baptist church; 9-10, Chevrolet Little Symphony orchestra.

KHJ, Los Angeles, Calif. (405.2), 6:30-7 p. m., Leighton's Arcade cafeteria orchestra, Jack Cronshaw, leader; 7-7:30, First Methodist Episcopal church; 8-10, program, Martin Music company; Ruth Pitts, soprano; John Martin, pianist.

KTAB, Oakland, Calif. (240), 9:45-10:45 a. m., Bible lecture, Prof. E. G. Linsley; 11-12:30 p. m., service; 7:45-9:30, service; 9:30-11, concert.

Monday, January 11

Headliners Today

Eastern	Central	Mountain	Pacific
7:45 p. m.	6:45 p. m.	5:45 p. m.	4:45 p. m.
WMCA (340.7) Knickerbocker family circle			
8	7	6	5
KFNF (266) Men' Harmonica contest.			
8:30	7:30	6:30	5:30
KDKA (309.1) Rund Light Opera hour			
KEAB (340.7) Wendell Hall			
8:30	7:30	6:30	5:30
WBZ (333.1) Edward D'Anato, pianist.			
9	8	7	6
KTHS (374.8) Twentieth Century Style classics.			
WDAF (365.6) Ivanhoe Band and Glee club.			
WGR (319) Mercer club program.			
10:30	9:30	8:30	7:30
KOA (322.4) Special studio program.			
11	10	9	8
KFI (467) String quartet.			
WSAI (325.9) Community program.			
12 m.	11	10	9
KNX (336.9) Rola string quartet.			

Monday, silent night for: CHIC, CNRA, CNRC, CNRE, CNRM, CNRO, CNRR, CNRT, CNRV, CNRW, KFDM, KFEQ, KFMQ, KFMX, KFWA, KHJ, KLDS, KYW, PWX, WBBM, WCAD, WCBD, WEAO, WEBH, WEBJ, WEBW, WENR, WGBS, WGES, WGN, WHAS, WHT, WIP, WJAZ, WJJD, WLIB, WLS, WMAQ, WMBB, WOAI, WOC, WOK, WORD, WQJ, WRC, WREO.

Eastern Time Stations

CKNC, Toronto, Can. (356.9), 8-10 p. m., Chamber music hour; Toronto Conservatory instrumental trio, Frank Blanchard, violinist; Leo Smith, cellist; Alberto Guerrero, pianist; Arthur Blight, baritone.

KDKA, Pittsburgh, Pa. (309.1), 7:15, 8 a. m., morning services, O. Shannon; 5:45 p. m., children's period; 6:30, dinner concert; 8:15, U. of Pittsburgh address; book night, Roger L. Sergel; 8:30, Ruud light opera hour.

WBAL, Baltimore, Md. (246), 6:15-6:45 p. m., children's program, Hazel Knox in "Around the World with Other Little Boys and Girls"; 6:45-7:45, dinner program, WBAL orchestra, Robert P. Iula, conductor; 8-9, Edgar C. Dobson, baritone; Emory Ahlstrand, pianist; Ann Baugher Marks, contralto; 9-9:10, R. Howard Bland, president, United States Fidelity company; 9:10-10, Loretta Lee, soprano; Vivien Cordero-Friz, violinist; Clarence Hihn, tenor.

WBBR, New York, N. Y. (272.6), 8 p. m., jubilee entertainers; 8:10, vocal selections; 8:20, health lecture, "The Curative Qualities of Radio," Dr. M. J. Work; 8:40, "The Harp of God"; 8:50, jubilee entertainers.

WBZ, Springfield, Mass. (333.1), 6:30 p. m., KDKA broadcast; 7:30, Hotel Lenox ensemble; 8, Capitol theater orchestra; 8:30, Max Zides, ukulele soloist; 8:40, Edward D'Anato, pianist; 9, Aleppo Drum Corps, Shriners' band; 9:30, Shrine children's hospital benefit, Cook's Butterfly ballroom.

WCAP, Washington, D. C. (468.5), 6:45-7:45 a. m., tower health exercises, WEAF; 7-11, program, WEAF, the A. and P. gypsies, grand opera, Cesare Sodero, director.

WCAU, Philadelphia, Pa. (278), 8 p. m., Radio talk, Wilson N. Durham; 8:15, Carolyn Thomas, soprano, Ella Jaquette Gratz, pianist; 8:45, Barry O'Moore, tenor; 9:37, American Radio trio; 9:10, Nokol concert; 9:30 Will Morrisey and Midgie Miller; 10, Leslie Cy Linn, Chinese baritone; 10:30, Parodians dance orchestra.

WCX, Detroit, Mich. (516.9), 6 p. m., dinner concert, Book-Cadillac hotel; 8, studio program.

WEAF, New York, N. Y. (491.5), 6:45-7:20 a. m., Tower health exercises, also through WEEI, WCAP, 10:45-11:05, "Betty Crocker Gold Medal Flour Home Service Talk"; 11:05-11:15, music; 11:15-11:30, "Women in the News," Florence Smith Vincent; 6-7, dinner music, Hotel Waldorf-Astoria; 7-7:20, lecture, Columbia university; 7:30-8, "Lullaby Lady;" 8-8:30, "Pop" concert; 8:45-9, Tower health talk; 9-10, music, A. and P. Gypsies, WEEI, WCAP, WWJ, WJAR, WOO; 10-11, "Aida," grand opera, WEAF Grand Opera company, direction of Cesare Sodera, WOO, WCAE, WJAR, WCAP, WTAG; 11-12, Ben Bernie and his orchestra direct from Hotel Roosevelt.

WEAR, Cleveland, Ohio (389.4), 11 a. m., Betty Crocker home service; 11:30, farm talk; 7 p. m., Allen theater orchestra, Maurice Spitalny, director.

WEEI, Boston, Mass. (348.6), 7:45 a. m., morning watch from Estey organ studio; 2 p. m., Happy Hawkins and his orchestra; 6:15, Big Brother club; 7:30, the Waban trio; 8, E. B. Rideout, meteorologist; 8:15, musicale; 8:45, tower health talk, WEAF; 9, A. and P. Gypsies, WEAF; 10, musicale, WEAF.

WFI, Philadelphia, Pa. (394.5), 10 a. m., menu talk; 10:30, solos; 1 p. m., tea room orchestra; 3, talk, "Efficiency in Dairy Cows," Dr. G. A. Dick; 6:30, Bellevue Stratford hotel concert orchestra; 7, Bellevue Stratford hotel dance orchestra.

WGCP, New York, N. Y. (252), 12:30 p. m., race results; 3, Eva Rothenberg, pianologist; 3:15, Leroy Montesanto, tenor; 3:30, Pendleton and Moore, song; 4:05, Jack Davis; 4:15, Shirley Herman, song; 4:30-5, Uncle Robert and his little pals; 5, Judith Roth, soprano; 8:30, Perry Radford, entertainer; 8:45, inspirational talk to boys; 8:55 9, song, Phillip Wolf, Tracy Mola; 9:10, Loomis orchestra; 9:45, Bob Ward and three Little Wards; 10, Strickland's orchestra; 10:30, Connie's orchestra.

WGR, Buffalo, N. Y. (319), 2:30 p. m., WGR's afternoon program; 6:30, Mountain View orchestra; 7:45, address, by S. Grove McClellan of the Liberty Band of Buffalo; 8:15, Edna Rhoda, popular soloist, with ukulele accompaniment; 9, Mercer club program; 10, soloists with WEAF; Ford Motor company program; 11, Vincent Lopez Hotel Statler dance orchestra, Harold Glover, director.

WHAR, Atlantic City, N. J. (275), 2 p. m., Seaside hotel trio; 7:30, talk; 8, Seaside hotel trio; 11:30, dance orchestra.

WHAZ, Troy, N. Y. (379.5), 9 p. m., Dick Shannon and William Stoddard, religious and secular songs; 9:30, "Some Parts of the Work of the U. S. Geological Survey", Prof. E. R. Gray; 10, thrift talk, J. Frank Beebe; 10:10, Detroit blind orchestra, Thompson Courtney.

WHN, New York, N. Y. (361.2), 6:30 p. m., Littmann's dinner music; 6:30-6:45, Daddy Dingle and his Jingle machine; 6:45-7, Littmann's dinner music; 7-7:30, Marlboro State trio; 7:30-8, Joe Wood's Swanee entertainer; 8-8:05, talk, "Storage Batteries," H. B. Shontz; 8:05-8:30, Sam Gene orchestra; 9-10:10, Landing by for DX; 10:10-30, Shanley's orchestra; 10:30-11, Jack Dilna's Frivolity orchestra; 11-11:30, Cotton Club orchestra; 11:30-12, Silver Slipper orchestra; 12-12:30 a. m., Ted Lewis and his orchestra.

WIP, Philadelphia, Pa. (508.2), 6:45 a. m., setting-up exercises; 7, setting-up exercises; 1 p. m., Gimbel tea room orchestra; 3, recital; 4, market hint to housewives; 6:05, Benjamin Franklin concert orchestra; 7, Uncle Wip's bedtime stories; dancing lessons, Miller Conservatory of Dancing.

WJR, Pontiac, Mich. (516.9), 7 p. m., Jean Goldkette's Petite symphony orchestra; 7:45, Goodwill Oakland, harmonic balancer; 9, Paige Six, Jewett Six; 11:30, Jewett Jesters.

WLIT, Philadelphia, Pa. (394.5), 12:02 p. m., daily almanac; Stanley theater organ recital; Arcadia cafe concert orchestra; 2, Arcadia cafe concert orchestra; 7:30, Dream Daddy's bedtime stories; 8, "Short Agro Waves," Charles P. Shoffner; 10, Arcadia cafe dance orchestra; 10:30, vaudeville features, Fay's Knickerbocker theater; 10:45, Benjamin Franklin hotel dance orchestra.

WLWL, New York, N. Y. (288), 9:30-9:55 p. m., question box; 9:55-10:10, Marion Downes, contralto; 10:10-10:30, Study club; 10:30-11, entertainers.

WMCA, New York, N. Y. (340.7), 6-6:30 p. m., Olcott Vail and his Hotel McAlpin string ensemble; 6:30-7:30, Ernie Golden and his Hotel McAlpin orchestra; 7:45-8:15, Knickerbocker Family circle; 9-10, Christian Science program; 10:30-11:30, Barclay Radio program; 11:30-12, Jack Denny's orchestra.

WNYC, New York, N. Y. (526), 6:30 p. m., German lessons; 7:35, dance program; 8:30, concert program; 10:10, lecture.

WOO, Philadelphia, Pa. (508.2), 11 a. m., organ recital; 12, Golden's Crystal tea room orchestra; 1:15, organ recital; 7:30, Hotel Ritz Carlton orchestra; 8, "Pop" concert; 9, A. and P. Gypsies; 10, grand opera, "Aida;" 11, Ritz Carlton dance orchestra.

WOR, Newark, N. J. (405.2), 3:45, Charm magazine presentation of talk on fashions; 6:15, words often mispronounced; 6:30, sports, Bill Wathey; 6:45, Jacques Jacobs Hotel Shelton ensemble; 7:30, Kaltuka orchestra; 8, current events; 8:30, Al Reid's hour, Branford theater; 10, Newark evening news; 11-12, New Hofbrau Haus orchestra.

WPG, Atlantic City, N. J. (299.8), 1:30 p. m., Chalfonte-Haddon Hall afternoon tea music; 6:45, organ recital, Arthur Scott Brook; 7, Hotel Morton ritz dinner music; 8, children's hour; 8:30, program; 8:55, daily talk, W. Nowell Sharpe, Jr.; 9, Hotel Ambassador concert orchestra; 10, vocal recital, Dorothy Turner, contralto; 10:15, concert, Garden Pier trio, Phyllis Herbine, violinist; Adine Barozzi, cellist; Vera Chudzey, pianist; 11:10, Silver Slipper supper club, Eddie McKnight's dance orchestra.

WRC, Washington, D. C. (468.5), 10 a. m., women's hour, WJZ; 12 m., organ recital, Homer L. Kitt; 1 p. m., Shoreham hotel orchestra; 4:30, musicale.

WREO, Lansing, Mich. (285.5), 6:7 p. m., Speed-Wagon ensemble; Gold Standard ensemble.

WRVA, Richmond, Va. (256), 8:05 p. m., negro school children singing southern melodies; 8:20, darky dialect stories, Mrs. Calvin Satterfield, Sr.; 8:30, negro school children in negro spirituals; 8:45, darky dialect stories, Mrs. Calvin Satterfield, Sr.; 8:55, chorus of negro school children; 9, travelogy, Dr. Douglas Freeman; 9:10, John Marshall high school band, snappy program of band, solo, violin, piano and pep; 10:10, Robert Beadles, pianist, assisted by Mrs. J. W. Keith, soprano, Mrs. J. R. Beadles, mezzo-soprano, Mrs. John Boulware, contralto, Jack Adams, basso, 8. J. Nystrom, violinist, in program of solos, duets, trios, violin and piano; 1:15, "Carry Me Back to Old Virginy."

WTAG, Worcester, Mass. (268), 10:30 a. m., musical selections; 10:45, talk, Sheer Aid nurse, Marjorie Woodman; 12:05-2 p. m., recital, luncheon music, WTAG orchestra, Will Hardy, director; 7, science talk, Fred D. Aldrich, Worcester academy; 7:15, "The Twinkle Twinkle Story Teller"; 7:45, official boy scout announcements, Joseph Wadleigh; 8:30, "Selective Breeding," W. C. Monahan; 9-10, P. M. Robin Hood hour of music, Arthur Crosbie, director; 10-11, Henry Ford from WEAF.

WTAM, Cleveland, Ohio (389.4), 12:15-1:15 p. m., Austin Wylie's Golden Pheasant orchestra; 6-7, Guy Lombardo and his Royal Canadians; 8-11, Willard symphony; 11-12, Austin Wylie's Golden Pheasant orchestra; 6-7, Guy Lombardo and his Royal Canadians; 8-11, Willard symphony; 11-12, Austin Wylie's Golden Pheasant orchestra; 12-1, Guy Lombardo and his Royal Canadians.

WTIC, Hartford, Conn. (475.9), 6:30 p. m., mother goose entertainer, Bertie Lillian Tait; 6:50, dinner music, Emil Heimberger Hotel Bond trio; 7:45, talk, "The University Biologist," Prof. Greenleaf.

WWJ, Detroit, Mich. (352.7), 7:30 a. m., setting-up exercises; 9:30, "uncle" dinner and special talk, 12:05, Jules Klein Hotel Statler orchestra; 3, Detroit News orchestra; 6, dinner concert; 8, News orchestra and soloists; A. and P. Gypsies, WEAF.

Central Time Stations

CKY, Winnipeg, Can. (384.4), 8 p. m., University lecture; 9, concert, Knights of Pythias; 11, weekly revue, Metropolitan theater.

KFAB, Lincoln, Neb. (340.7), 5:30-6:30 p. m., dinner concert; 8:30-10:30, Beldwin's orchestra; Ed Ellerson, Original cocktail Glenny Gay pianist; Gene Bell boy, violin and guitarist; Robinson and Campbell; Wendell Hall, Red Headed music maker.

KFKX, Hastings, Nebr. (288.3), 1 p. m., hog day; 5:30, KDKA dinner concert; 9, concert, Aganhow, Nebr., boys band.

KFMQ, Fayetteville, Ark. (299.8), 7:30 p. m., farmer night program; Farm Bureau, Cy Adams, "Research Problems of the Arkansas Experiment Station," Martha Nelson; "Spring Oats," J. W. Sargent; "Pruning," C. W. Ross; "Do You Live at Home?" T. Roy Reid; "The Milk Campaign as a Nutrition Project," Mrs. S. J. Tennell.

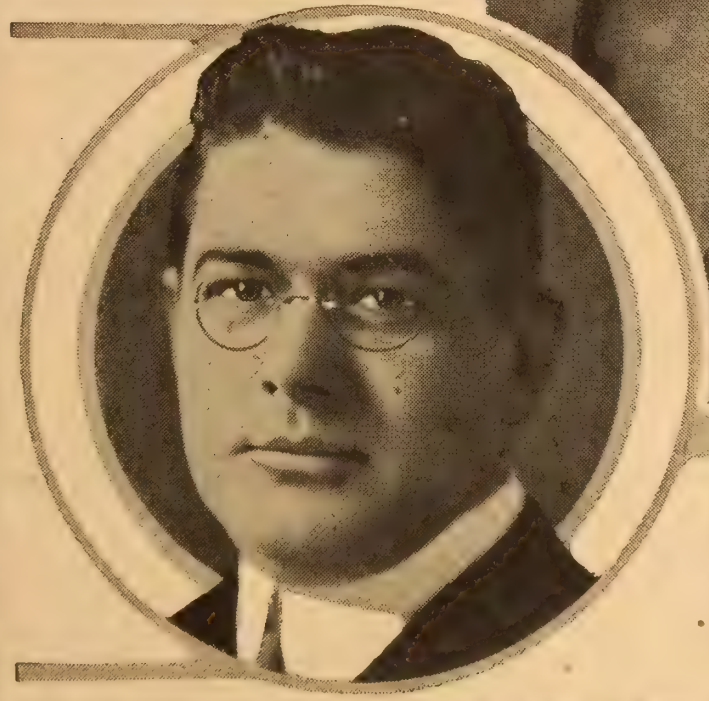
KFNF, Shenandoah, Iowa (266), 7 p. m., men' harmonica contest.

KFVE, University City, Mo (240), 9:45 p. m., amusement review, Roscrane Fielding; Orchestra Rondola.

KMA, Shenandoah, Iowa (252), 11:30-12:30 p. m., noon-day rural program, talk, G. H. Van Houten; jazz the musical numbers; seed talk, Earl L. May; 6, Pool sisters, Mrs. Nichols; music; 9:11, Earnham boys, How-do-you-do Revs, Grady and Dee.

KPRC, Houston, Tex. (296.9), 12 n., Frank Tilton, blind wonder boy pianist; 5:30 p. m., Uncle Joel's kiddies' hour; 7:30, Records' Ramblers; 8:30, radio concert.

KSAC, Manhattan, Kan. (340.7), 9-9:25 a. m., music, inspirational talk, agricultural primer, calithumpers; 9:5-10:25, readings, boy-scout gossip, question box, planning today's meal; 12:5-1:0 p. m., reading, question box, music, talks, "Oat Diseases," D. E. Powers; 4:30-5, Third Year English literature, Herb. credit, 6:30-7:30, book review, exercises, 1 hour credit course, zoology, Except in course, "Purchasing Power of Farm Products," W. E. Grimes; "Dis-



The modern jazz orchestra has nothing on Uncle Jimmy Thompson who can play 375 barn dances—and he dances each one of them as he plays. Uncle Jimmy is only 82 years old and his latest venture is to play for WSM, Nashville. He is shown, above, with his niece who will accompany him to WSM Saturday night. Evan Davies, left, is the funny man at WAHG, Richmond Hill, L. I. He may be called the long distance humorist of this station since his jokes were heard in Australia and Scotland the last time he entertained at WAHG.

GRACE KERNS GUEST ARTIST MONDA

Index to Popular Concerts

Saturday, January 9

Eastern	Central	Mountain	Pacific	
7:30 p. m.	6:30 p. m.	5:30 p. m.	4:30 p. m.	WFAA.
8	7	6	5	WLS.
9	8	7	6	WBBM, WEAF, WENR, WGBS, WLS, WMAQ, WNYC.
10	9	8	7	KFAB, KPRC, WBBM, WENR, WGN, WLS, WMBB, WREO.
11	10	9	8	KFVE KFWB, KNX, KTHS, WBBM, WMBB, WOK, WQJ, WRC.
12	11	10	9	KNX KOIL, KPO, KPRC, WBBM, WLS, WOAW, WOK, WQJ.
1 a. m.	12 m.	11	10	KFWB, WDAF, WBBM, WEBH, WENR, WOK, WQJ, WSAI.
2	1 a. m.	12 m.	11	KNX, WBBM, WENR, WQJ.

Sunday, January 10

Eastern	Central	Mountain	Pacific	
9 p. m.	8 p. m.	7 p. m.	6 p. m.	WBBM.
10	9	8	7	WBBM, WMBB.
11	10	9	8	WMBB.
12	11	10	9	KNX, KTHS.
1 a. m.	12 m.	11 p. m.	10	KFWB, WBBM.
2	1 a. m.	12 m.	11	KFWB.

Monday, January 11

Eastern	Central	Mountain	Pacific	
7 p. m.	6 p. m.	5 p. m.	4 p. m.	WBBM, WFAA, WOAW.
8	7	6	5	WGBS.
9	8	7	6	WCAU, WEAF, WGR, WKRC, WOK.
10	9	8	7	KFAB, WGR, WKRC, WMCA, WOAW, WOK, WSOE.
11	10	9	8	KFAB, KFVE, WOK.
12 m.	11	10	9	KLX, KNX, KOIL, WHO, WOK.
1 a. m.	12 m.	11	10	KFWB, KLX, WAHG, WDAF, WHT, WKRC, WOK.
2 a. m.	1 a. m.	12 m.	11	KFWB.

Tuesday, January 12

Eastern	Central	Mountain	Pacific	
7 p. m.	6 p. m.	5 p. m.	4 p. m.	WMCA, WOAW.
8	7	6	5	WBBM, WEAR.
9	8	7	6	WBBM, WEAR, WBZ, WSB.
10	9	8	7	WBBM, WMBB, WOAW.
11 p. m.	10 p. m.	9 p. m.	8 p. m.	KFVE, KFWB, KNX, WBBM, WHT, WMBB, WOK, WQJ.
12 m.	11	10	9	KNX, KOIL, KPO, WBBM, WFAA, WKRC, WMC, WOK, WQJ.
1 a. m.	12 m.	11	10	KFWB, KNX, WFAA, WHT, WOAW, WOK, WQJ.
2	1	12 m.	11	KFWB, WQJ.

Wednesday, January 13

Eastern	Central	Mountain	Pacific	
8 p. m.	7 p. m.	6 p. m.	5 p. m.	KFNF, WAHG, WEBJ, WEEI, WMCA.
9	8	7	6	WBBM, WEBJ, WGCP, WNYC.
10	9	8	7	KFAB, KPRC, WBBM, WGCP, WHO, WMBB.
11	10	9	8	KFAB, KFVE, KGW, KPO, KWSC, KYW, WBBM, WHN, WMBB, WOK, WQJ.
12 m.	11	10	9	KFWA, KFWB, KNX, KYW, WOK, WQJ, WSAI.
1 a. m.	12 m.	11	10	KNX, KYW, WBBM, WHT, WOK, WQJ.
2	1 a. m.	12 m.	11	KFWB, KNX, WBBM, WOK, WQJ.

Thursday, January 14

Eastern	Central	Mountain	Pacific	
8 p. m.	7 p. m.	6 p. m.	5 p. m.	WCAE, WEAF, WJAR, WMC, WOC, WSAI.
9	8	7	6	WBBM, WHAD.
10	9	8	7	KMA, WBBM, WEEI, WHAD, WHN, WMBB, WMC, WNYC, WOAW, WSOE.
11	10	9	8	KHJ, KMA, KYW, WBBM, WMBB, WOK, WQJ.
12 m.	11	10	9	KHJ, KTAB, KOIL, WBBM, WDAF, WEAA, WKRC, WOC, WOK, WQJ.
1 a. m.	12 m.	11	10	KFWB, KHJ, WHT, WOK, WQJ.
2	1 a. m.	12.m.	11	KNX, WQJ.

Friday, January 15

Eastern	Central	Mountain	Pacific	
8 p. m.	7 p. m.	6 p. m.	5 p. m.	WGCP, WJR.
9	8	7	6	WBBM, WGR, WLS.
10	9	8	7	KFAB, WBBM, WMC, WDAF, WHAD, WMBB, WOAW, WSOE.
11	10	9	8	KFVE, KFWA, KHJ, KLX, KYW, WMBB, WOK, WQJ.
12 m.	11	10	9	KFWB, KHJ, KNX, KOIL, WMC, WOK, WQJ.
1 a. m.	12 m.	11	10	KFWB, KHJ, WDAF, WHT, WOK, WQJ.
2	1 a. m.	12 m.	11	KNX, WQJ.

Monday, January 11

eases Common to Sorghums and Their Control," L. E. Melchers.

KSD, St .Louis, Mo. (545.1), 7 p. m., fur hour recital, Mrs. Mabel Newell, soprano; 7:30, recital, Mrs. Bertie Reynolds, Mrs. Lola Herr, Mrs. Marion Winters and Mrs. George R. Davis of Mt. Sterling, Ill.; 9, WEAF chain "Good Will" program.

KSO, Clarinda, Iowa (241.8), 12:30-1:15 p. m., farm talk; 7-7:30, music; 7:30-9, music.

KTHS, Hot Springs National Park, Ark. (374.8), 12:30-1 p. m., homefolks hour; 9-9:45, classics in 20th century style, New Arlington orchestra; 9:45-10, Lawson Reid, organist; 10-12, Rainbow Garden frolic, California serenaders from 555.

KWKH, Shreveport, La. (261), 8-9 p. m., musicale, Novella Mayo.

KYW, Chicago, Ill. (536), 6:30-7 a. m., morning exercises, Paul A. Leonhardt; 7:30, morning family worship, Y. M. C. A.; 11:15, talk, John C. Cutting; 11:35, table talk, Mrs. Anna J. Peterson, Peoples Gas company; 12:05 p m., concert; 1, luncheon concert, Congress hotel; 6, dinner musical, KDKA; 7:05, bedtime story, Walter Wilson.

WAMD, Minneapolis, Minn. (243.8), 12 p. m., musical program; Coilla Dare, contralto, Chuck Johnson, uke, Grace Norman, soprano, Bee Lowell, pianist and accompanist; 6:15, dinner concert, George Osborn's Hotel Radisson orchestra; 7:05, talk; 7:10, Edwin Lindstrom, baritone, Rose Schaettgen, violin, Mrs. L. V. Koos, accompanist, Edna Weese, soprano, Etta Landry, accompanist, Mrs. Margaret Leemhuis, pianist; 11, George Osborn's Hotel Radisson Skyrockets.

WBBM, Chicago, Ill. (226), 4-6 p. m., Valentino Inn orchestra, artists; 6-7, Harold Anderson, piano-accordionist; WBBM string trio, artists.

WCCO, Minneapolis-St. Paul, Minn. (416.4), 12 n., Donaldson's orchestra; 2 p. m., women's hour; 2:30, afternoon concert; 4, readers' club, Mrs. Walter Stevens; 5:30, children's hour; 6:30, Goldon Cooke ensemble; 7:45, "Sanitation in the Hog Lot"; 8, University of Minnesota program; 9, classical program.

WDAF, Kansas City, Mo. (365.6), 6-7 p. m., the Tell-Me-a-Story lady; dialect readings, C. M. Ragan; music, the Trianon ensemble; 8-9:30, program, Ivanhoe Band and Glee club; O. A. McDonald, vocal soloist; 11:45-1 a. m., Carl Nordberg's Plantation players, Hotel Muehlebach; selections, Ted Meyn on the Pantages theater organ.

WDOD, Chattanooga, Tenn, (256), 6:30-7 p. m., organ music, Tivoli theater; 7-8, Hotel Patten orchestra; 8:15, special features and program.

WGN, Chicago, Ill. (302.8), 7-7:30 a. m., setting-up exercises; 11-11:30, household hints; 11:30-12, fashion discussion; 12:40-2:30 p. m., luncheon concert, Drake hotel; 2:30-3, Lyon and Healy artists; 3:30-4:15, tea time music, Marshall Field tea room orchestra; organ recital; 5:30-5:57, Skeezix; 6:30-7, dinner concert, Drake hotel.

WGST, Atlanta, Ga. (270), 9-10 p. m., program, Bill Walton, pianist.

WHAD, Milwaukee, Wis. (275), 11 a. m., pianolog, Andy Hertel; 4 p. m., Trixy Ann Troy, ukulele; 6:15-7, Bill Benning's Milwaukee Athletic club orchestra; 8-10, Marquette university studio program.

WHAS, Louisville, Ky. (399.8), 1-2 p. m., concert, Royal Peacock orchestra; 3-3:30, organ recital, Mrs. Myrtle Fulks Zahn, Jr.; 4-5, musical selections, Harry S. Currie, director; fashion talk, Peggy True of the Courier-Journal; readings, choice editorials.

WHB, Kansas City, Mo. (365.6), 2-3 p. m., Sweeney Radio trio; 7-8, Milo Finley trio; Don Anchors, poet; Sweeney Radio orchestra.

WHO, Des Moines, Ia. (526), 7:30-9 p. m., Vernon Sheffield, pianist; Mary O'Grady, soprano; Frank Ferguson, Verne Deskin, violinists; Elsa Cornell, accompanist; Hazel Jay, contralto; 11-12, Bankers' Life Corn Sugar orchestra.

WHT, Chicago, Ill. (399.8), 10 a. m., Jean Sargent's program, woman's club; Borden health talk, Jelke Good Luck Girl; Helen Raub, pianist; John Clark, baritone; 10:45, Betty Crocker home service; 11, special studio features; 12 p. m., Al Carney's organ hour; 1, special studio program, Grayling's string trio; 6, classical program, Linner organ recital; Helen Raub, pianist; Grayling's string trio; Pat Barnes; Helen Axtel, soprano; John Clark, baritone; 7, Kitchen Klenzer Klassics.

WIBO, Chicago, Ill. (226), 10-11 a. m., shoppers' bureau, Grace Viall Gray; 2-4, Ted Fiorito, pianist; Dan Russo, violinist; Victor Young, violinist.

WLS, Chicago, Ill. (344.6), 12-1 p. m., WLS trio; 6-7, Blue Ribbon artist's concert, "Hansel and Gretel."

WLW, Cincinnati, Ohio (422.3), 7:30 a. m., exercises, William Stradtman, Y. M. C. A.; 8, morning devotions, auspices of Parkway Y M. C. A.; 12:05 p. m., religious service, Rev. George H. Kase; 4, Monday Musical club concert; 6:30, theatrical feature; 7, dinner hour concert, Hotel Gibson, Robert Visconti, director; 7:30, Y M. C. A. basket ball question box; 7:40, Hotel Gibson concert; 8, The Cincinnati Times-Star program, Robert Visconti, director; Cino male quartet.

WMAQ, Chicago, Ill. (447.5), 12:20 p. m., Junior Association of Commerce; 1, Radio Farm school; 2, shut-in program; 4, mothers in council; 4:30, "Foibles of the Moment," Mrs. Graham Aldis; 4:40, Glenn Dillard Gunn School of Music; 5, children's game, Glenn Adams; 5:10, Topsy Turvy time; 6, Chicago theater organ recital; 6:30, Hotel LaSalle orchestra; 6:40, Family Altar league.

WMC, Memphis, Tenn. (499.7), 7:15 p. m., Peter Pan Tinker Bell; 7:30, farm talk; 8:30, program, Dr. George L. Powers.

WOAI, San Antonio, Texas (394.5), 3 p. m., musical program.

WOAW, Omaha, Neb. (526), 12:45 p. m., Randall's Royal Fontenelle orchestra; 6, classical; 6:15, popular song period; 6:40, Insurance talk, Daniel D. Mackin; 6:50, Randall's Royal Fontenelle orchestra; 9, deluxe program.

WOC, Davenport, Iowa (483.6), 12:15-12:25 p. m., "Those Unborn Pigs—Give Them a Chance," Prof. John M. Evvard; 3-3:30, Aunt Jane; 5:45-6, chimes.

WOS, Jefferson City, Mo. (440.9), 8 p. m., musical program, students of Fine Arts school, Christian college.

WQJ, Chicago, Ill. (447.5), 11-12 m., "The Care of the Hair and Skin," Madame Huntingford; 3-4 p. m., "Radio Fans' Recipes," Helen Harrington Downing; book review, Rev. Fred J. Harrison.

WRR, Dallas, Texas (246), 12-1 p. m., Hartwell Jones, entertainer; William Davidson, singer; 5:15, bedtime story; 6-7, Adolphus hotel, Jack Gardner and his orchestra; 8-9, concert, Magnolia Petroleum company orchestra; 11-12, Virgil Whitworth, xylophonist.

WSAI, Cincinnati, Ohio (326), 10-12 p. m., Cincinnati community program, symphony orchestra and soloists.

WSM, Nashville, Tenn. (282.8), 6:30 p. m., Beasley Smith and his orchestra; 7, WSM bedtime story interlude; 7:30, community program, First Presbyterian church; 10, program, Vito M. Pellettieri and his orchestra.

WSUI, Iowa City, Ia. (483.6), 12:30 p. m., Mrs. Dorothy Spencer, soprano; address, Dr. G. M. Ruch; 7:30-7:50, correspondence course lectures; 9, music faculty program.

Mountain Time Stations

KOA, Denver, Colo. (322.4), 12:15 p. m., Rialto theater musicale; 6:30, dinner concert, Brown Palace string orchestra; 7:30, sandman's hour; 8, conversational Spanish, Prof. Amanda Lopez Knecht; KOA orchestra; 9, bridge game; 9:30, Ina Rains, soprano; Franklin Hornaday, tenor.

Pacific Time Stations

KFI, Los Angeles, Calif. (467), 5:30-6 p. m., Examiner matinee; 6, Nightly doings; 6:15, KFI's Seeing California; 6:30, Vest pocket program; 6:45, Radiotorial period; 7-8, Owen Fallon's Californians dance orchestra; 8-9, Screen Artists' string quartet, Drury Lennington, tenor; 9-10, program, Walter M. Murphy Motors Co., Virginia Flohri, soprano, and others; 10-11, Examiner, Ray West's Alexandria hotel dance orchestra.

KFOA, Seattle, Wash. (453.3), 6:45-8:15 p. m., Sherman, Clay and company program; 8:30-10, Times studio program.

KFON, Long Beach, Calif. (232.4), 4:30-5 p. m., amusement bulletin; 6-6:30, organ recital, Brayton's theater; 8-9, Press-Telegram hour, presenting Community Service program; 9-10, Ardys Anderson musical hour.

KFWB, Hollywood, Calif. (252), 5-6 p. m., children's hour, Big Brother of KFWB; 7-8, microphone brevities; 8-9, program, Globe Ice Cream and Weber Baking companies; Joe Martin's orchestra; Ray Bailey's trio; Sol Hoopii's Hawaiians; 9-10, program, Star Motor Car Co., Million Dollar Four orchestra, Ashley Sisters, vocal duets and others; 10-11, Warner Brothers frolic, Charlie Wellman directing.

KFXF, Colorado Springs, Colo. (250), 8:30 p. m., musical selections; 8:45-9, educational talk; 9-10:30, dance program, Warner Stone's Columbians.

KGO, Oakland, Calif. (361.2), 10:40 a. m., classroom instruction; 3-4 p. m., interpretations of the classics, Wilda Wilson Church; 6-6:55, dinner concert, Sherman, Clay and company; 8, farm program; "Chats About New Books," Joseph Henry Jackson; "Better English," Wilda Wilson Church; "How to Choose the Right School and Teacher for Your Child," Dr. Albertine Richards Nash; "The University Afield," Leon J. Richardson; Arion trio.

KGW, Portland, Ore. (491.5), 7:15 a. m., physical culture exercises; 12:30-1:30 p. m., Rose city trio; 6-7, dinner concert; 8-9, concert; 9-10, concert, Hudson and Essex Dealers of Oregon.

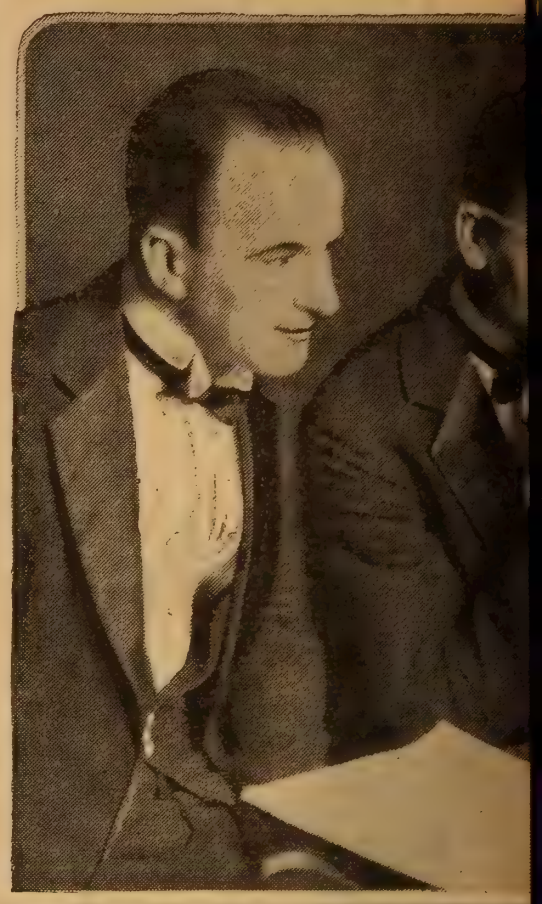
KMTR, Hollywood, Calif. (238), 5-6 p. m., home hour, Mammy Simmons, Walter Benson, Helen Levy, Billy Henderson, Betty McKay; 7:15, Y. M. C. A. program; 8-10, The Turner orchestra, direction Loren Powell; Tom Mitchell, baritone; 10-11, Starr Piano company studio.

KNX, Hollywood, Calif. (336.9), 5-5:30 p. m., Sunny Jim's story; 5:30-6:15, Wurlitzer pipe organ studio; Town Tattler; 6:15, travel talk, W. F. Alder; 6:30-7, Atwater Kent concert orchestra; 7-7:30, Mutual Motors mirth contest; 7:30-8, program, Columbia Outfitting company; 8-9, program, L. W. Stockwell company; 9-10, program, Listenwalter & Gough, Rola string quartet; Zenith entertainers; 10-11, Goodrich Silvertown Cord dance orchestra; Lilyan May Challenger, contralto; 11-12, Ray West's Cocoanut Grove dance orchestra, Ambassador hotel.

KOAC, Corvallis, Ore. (280.2), 7:20 p. m., musical selections; 7:30, agricultural question box; 7:40, "Basis for Economical Hog Production in Oregon," H. A. Lindgren; 8, "Planting and Care of the Potato Crop," G. R. Hyslop; 8:15-8:30, "A Definite Plan Will Solve the Garden Planting Problem," A. G. Boquet.

KTAB, Oakland, Calif. (240), 9-9:30 a. m., prayer service, Rev. E. L. Spaulding; 4-5, women's club notes; 8-10, Western States Life Ins. company.

KWSC, Pullman, Wash. (348.6), 7:30-9 p. m., Rosalia Koch, pianist; Horace Trimball, guitarist; Ruth Wilkins, vocalist; "What Is An Engineer?" M. K. Snyder; "Psychology of Efficiency, Number 5, Training in Efficient Thinking," Dr. F. F. Nalder; "Development of New Lines of Washington Horticulture," M. D. Armstrong; readings, Mae Farr.



"Wet towels, please!" Above, from left to rig of the Crescent orchestra; Edgar H. Twamley, s to work up keen little stories and musical numb gram. If you do not believe "Three Heads are B for "A Chronology of American Music," and "Hi stumped by listeners' requests for poetry. Char him out by requesting your favorite. Corn

Tuesday, January 12

Headliners Today

Eastern	Central	Mountain	Pacific	
6:45 p. m.	5:45 p. m.	4:45 p. m.	3:45 p. m.	WBAL (246) John Wilbourn, tenor.
8	7	6	5	WTIC (475.9) Travelers male quartet, symphony ensemble.
8:30	7:30	6:30	5:30	WJZ (454.3), WGY (379.5), WRC (468.5) Edison hour.
10	9	8	7	KHJ (405.2) Piggly Wiggly girls' trio.
				KTHS (374.8) Hendrix College Glee club.
				WEAF (491.5), WCCO (416.4), WGR (319), WOO (508.2) Old fashioned dance program.
10:20	9:20	8:20	7:20	WMAQ (447.5) Welsh Society program.
11	10	9	8	KFWB (252) Little symphony.
11:35	10:35	9:35	8:35	KDKA (309.1) Grand theater concert.

Tuesday, silent night for: CFCA, CHIC, CKNC, CKY, CNRC, CNRE, CNRM, CNRO, CNRW, CNRT, KFAU, KFKX, KFMQ, KFUO, KFWA, KOA, KOAC, KOB, KUOM, KWSC, PWX, WAHG, WAMD, WBBR, WCAD, WCAP, WGCP, WGST, WHAD, WHAZ, WJAD, WJAZ, WKAF, WOI, WOS, WRVA, WSM, WSUI, WTAM.

Eastern Time Stations

KDKA, Pittsburgh, Pa. (309.1), 7:15-8 a. m., morning exercises, O. Shannon; 5:45 p. m., children's period, Daddy Winkum; 6:30, dinner concert; 8:15, "The Importance of Purpose and Plan," Wayland M. Parrish; 8:30, concert, KDKA Little symphony orchestra, Victor Saudek, director; Chauncey Parsons, tenor, 11:35, concert, Grand theater.

WBAL, Baltimore, Md. (246), 6:45-7:45 p. m., dinner program; WBAL string trio, Philip Jeffreys, pianist, Arthur Morgan, violinist, and Frank Miller, cellist; soloist, John Wilbourn, tenor and WBAL ballad singer; 7:45-8:45, musical program, George Bolek, pianist, James Wilkinson, baritone, and Robert Lee, violinist.

WBZ, Springfield, Mass. (333.1), 6:30 p. m., KDKA; 7:30, "Literature in Modern Books," Prof. Robert Emmons Rogers; 8, hockey game, Boston Bruins vs. Canadians.

WCAP, Washington, D. C. (468.5), 6:45-7:45 a. m., Tower health exercises, WEAF.

WCAU, Philadelphia, Pa. (278), 7:30 p. m., N. Snellenburg and company recital; 8, Building and Loan talk, Fernand Baruch; 8:10, The Three Brothers; 8:25, theater digest, Abe Lipshutz; 8:35, National players; 9, Arlene Smith, soprano, Sarah Snyder, pianist; 9:30, Robert Frazer, blind Gospel singer, Elizabeth Holtz, pianist; 10, Harry Link, songs; 10:30, Cathay Tea Garden dance orchestra, Billy Hayes, director.

WCX, Detroit, Mich. (516.9), 6 p. m., dinner concert, Book-Cadillac hotel; 10, Red Apple club.

WEAF, New York, N. Y. (491.5), 11 a. m., Thomas Hughes, pianist; 11:10, lecture, "A Non-Technical Talk on How to Listen to Music," Katherine Bowen; 11:25, Thomas Hughes, pianist; 11:35, motion picture forecast, Adele Woodard; 11:55, musical program; 4 p. m., Clarence Williams trio; 4:30, women's program; 6, dinner music, Hotel Waldorf-Astoria; 7, Jerva Blix, contralto; 7:10, Columbia University French course, Dr. Thatcher Clark; 7:30, Coal Miners trio; 7:45, Rudolph Joshowitz, violinist; 8, Blue Ribbon male quartet; 8:30, Gold Dust Twins; 9, Eveready hour; 10, Henry Ford's "Old Fashioned Dance Program"; 11-12, Ross Gorman and his orchestra, Monte Carlo.

WEAR, Cleveland, Ohio (389.4), 11 a. m., home service talk; 7 p. m., State theater vaudeville and music; 8, Ross Gorman's Earl Carroll Vanities orchestra, WEAF; 8:30, Gold Dust Twins, WEAF; 9, Eveready entertainers, WEAF; 10, auction bridge, WEAF; 10:30, Vincent Lopez orchestra, WEAF; 11, Wormack's singing syncopators.

WEEI, Boston, Mass. (348.6), 7:45 a. m., morning watch from Estey organ studio; 2, Eugene's singing orchestra; 6:45, big brother club; 7:40, Harvard observatory talk, "New Stars and Variables"; 8, Blue Ribbon male quartet, WEAF; 8:30, Gold Dust Twins, WEAF; 9, Eveready hour, WEAF; 10, your hour, WEAF; 10:30, Vincent Lopez and his orchestra.

WFI, Philadelphia, Pa. (394.5), 10 a. m., menu talk; 10:30, solos; 1 p. m., tea room orchestra; 3, Philadelphia Music club concert; 6:30, Bellevue-Stratford concert orchestra; 7, Bellevue-Stratford dance orchestra; 8, Blue Ribbon male quartet; 8:30, Goldy and Dusty; 9, Eveready hour; 10:30, Vincent Lopez dance orchestra.

WGCP, New York, N. Y. (252), 12:15 p. m., race results; 3, pianist; 3:15, Paul Hogan, tenor; 3:30, songs, Eddie Meredith; 3:45, Ona Welsh, pianist; 4:05, Twentieth Century entertainers; 4:15, Isabelle Bob McDonald; 4:45, program; 5, Leslie McLeod, tenor; 7, Janssen's orchestra; 7:30, McDermott, Hagney and Steele trio; 8, health talk; 8:15, program.

WGR, Buffalo, N. Y. (319), 2:30 p. m., WGR's afternoon program; 6:30, Vincent Lopez Hotel Statler dance orchestra, Harold Gieser, director; 8, jointly with WEAF, including the Blue Ribbon male quartet, Ford Motor company, Gold Dust Twins, Eveready Hour, Vincent Lopez and his Casa Lopez orchestra.

WHAR, Atlantic City, N. J. (275), 2 p. m., Seaside

Y AT WSAI; WENDELL HALL AT KFAB

e Peter MacArthur, announcer; Bernice Schultz, director director of WOC, Davenport, getting their heads together r the next Crescent orchestra's monthly continuity pro- Than One," these three prepared the Crescent programs terpiece," given recently. WLW, Cincinnati, is not ade, left, has all the best poems stored in his head. Test ungan, right, is the story lady of WGES, Oak Park.

WTAM, Cleveland, Ohio (389.4), 12:15-1:15 p. m., Guy Lombardo and his Royal Canadians; 6-7, Carl Rupp and his Hotel Hollenden orchestra.

WTIC, Hartford, Conn. (475.9), 11 a. m., professional candy making, Dorit K. Weigert; 11:15, fashion talk, Mrs. Marion Down; 11:25, violin solos, Beatrice Torgan; 11:30, WTIC's housewives forum, Mrs. J. M. Dean; 12:15, luncheon music; 8, program, the Travelers male quartet, symphonic ensemble; 9:30, organ recital, Esther A. Nelson.

WWJ, Detroit, Mich. (352.7), 9:30 a. m., tonight's dinner and special talk; 12:05 p. m., Jules Klein's Hotel Statler orchestra; 3, Detroit News orchestra; 6, dinner concert; 8, concert, WEAF.

Central Time Stations

KFAB, Lincoln, Nebr. (340.7), 5:30-6:30 p. m., dinner concert, Monte Munn; 8:05-10:30, University of Nebraska musicale.

KFKX, Hastings, Nebr. (288.3), 1 p. m., "Infectious Poultry Diseases," A. G. Philips; "The Hastings KFKX Radio Special"; 5:30, KDKA dinner concert.

KFMQ, Fayetteville, Ark. (299.8), 8 p. m., Arkansas Old Fiddlers' contest; talk, Harry E. Schultz.

KFNF, Shenandoah, Iowa (266), 7 p. m., Forest City entertainers, Mrs. Izeyl Swope Richardson, director.

KFVE, University City, Mo. (240), 9:15 p. m., amusement review, Romaine Fielding; entertainers.

KMA, Shenandoah, Iowa (252), 11:30-12:30 a. m., noonday rural program; talk, Earl E. May; music: 6-7, May Flower trio, Lina Ferguson; 9-11, May's mandolin musicians; talk, G. H. Van Houten.

KPRC, Houston, Texas (296.9), 12 m., Majestic theater folks; 5:30 p. m., Uncle Judd's Kiddies' hour; 7:30, Billie Mack's orchestra; 8:30, Ruth Burr, pianist; 9, bridge game.

KSAC, Manhattan, Kan. (340.7), 9-9:25 a. m., music, inspirational talks, agricultural primer, calisthenics; 9:55-10:25, readings, backyard gossip, question box, planning today's meals; 12:35-10:05, "Sweet Clover Poisoning in Cattle," Dr. J. W. Linn; "Selecting Calves for Baby Beeves," M. H. Coe; 4:30-5, program for women's clubs; 6:30-7:30, better speech, etiquette; Extension credit course, "Economics"; Extension course, "Substitute Value of Different Grain for Hogs," A. D. Weber; "The Dairy Industry of Kansas," J. B. Fitch.

KSD, St. Louis, Mo. (545.1), 6:55 p. m., WEAF chain "Good Will" program.

KSO, Clarinda, Iowa (241.8), 12:30-1:15 p. m., farm talk; 7-7:30, mixed program, J. D. Mosburger; 7:30-9, music.

KTHS, Hot Springs National Park, Ark. (374.8), 9-10 p. m., dance concert, Meyer Davis artists, Lon Chassy, leader; Clyde Foley; 10-11, "Conway Night," Hendrix college glee club.

KYW, Chicago, Ill. (536), 6:30-7 a. m., morning exercises, Paul A. Leonhardt; 7:30, morning devotional worship, Y. M. C. A.; 11:35, table talk, Mrs. Anna J. Peterson, Peoples Gas company; 12:05 p. m., concert; 1, luncheon concert, Congress hotel; 2:35 t, afternoon frolic; 6, dinner music, KDKA; 7:05, bedtime story, Walter Wilson; 7:33, speech, American Farm Bureau federation; 8, musical program; 9, an hour of music; 10, evening at home program; 10:40, Coon-Sanders Original Nighthawks; 1 a. m., Insomnia club, Coon-Sanders Original Nighthawks.

WAMD, Minneapolis, Minn. (243.8), 12 n., Garrick theater organ recital, Jack Materick.

WBBM, Chicago, Ill. (226), 1-6 p. m., Valentino Inn orchestra; artist; 8-9, Moulin Rouge orchestra; Phil Fleming, tenor, Jean St. Anne, French baritone; 9-10, Hilltiller Craftsmen glee club; 10-12, Ziegler Sisters; Moulin Rouge orchestra; Claire Matthews.

WBCN, Chicago, Ill. (266), 10-10:30 a. m., Penny Wise, the shopper's ready helper; 7-8, Ballantine Electric company classical hour; Robert Sansome cellist; Gordon A. Nelson, tenor; Ann Kelles, soprano; Pearl Fairchild, pianist; 10-12, jazz numbers, Midway orchestra; Borden Brothers, harmony duo, Ed Dempsey, tenor; Niese and Nehr, banjo-ukulele Drexel quartet, vocal group; Marie Wright, soprano, Finney Briggs, column conductor "Crazy Quilt" column; Marquette banjo four, string quartet; Frank H McDonald, Radio talk; 12-2 a. m., Steele club.

WCBD, Zion, Ill. (344.6), 8 p. m., Clarinet quartet; mixed quartet; celestial bells; Mrs. Hill, soprano; J. L. Bishop, baritone; Olive Wright, pianist; Leona Burgess, reader.

WCCO, Minneapolis-St. Paul, Minn. (416.4), 12 n., Dick Long's Dayton trio; 2 p. m., League of Women Voters; 2:30, Dick Long's trio; 3:05, "The World of Books," H A Bellows; 4, readers' club, Eleanor Poehler; 5:30, children's hour; 6:15, Riley's St. Paul hotel concert orchestra; 7:30, WEAF Gold Dust Twins; Eveready hour; Henry Ford.

WDAF, Kansas City, Mo. (365.6), 2:30-4:30 p. m., Star's strip, orchestra; 6-7, the Tell Me a Story Lady, address, Radio plays lesson, Mrs. Madeline Little-field; music, the Tetazon ensemble; 11:45, the Plantation players, Hotel Muehlebach; Eddie Kuntz's Kansas City Athletic club orchestra; Billy Adair's Kansas City club orchestra.

WDOD, Chattanooga, Tenn. (256), 9-9:30 p. m., bridge games.

WEBH, Chicago, Ill. (370.2), 11:30 a. m., women's half hour; 3-4 p. m., special features; 7, special program; 9, musical hit from Uptown theater; 10-11, Oriole orchestra dance selections; 12:30 a. m., Kay Ronayne, organ.

WENR, Chicago, Ill. (266), 6-7 p. m., dinner concert; Rosland trio; Russell Hendricks m. cellist; vocal and instrumental solos; 8-10, popular program; Frank Westphal and his All-American Pioneers, Loretta Gilles, soprano; Al Tweed and Walter Peterson, banjo and guitar selections, Phillip Millville, baritone; American Hawaiian trio.

WGES, Oak Park, Ill. (250), 5-7 p. m., Lydia Werner, soprano; Miss Sullivan pianist, one act playlet; Stanton Peters, vocal duo; Tiffin theater organ and orchestra; 8-9, Helen Trahn, soprano; Tiffin orchestra; 11-1 a. m., Serenaders orchestra; quartet; Remington Welch, organist; Sandy McTavish, Scotch comedian; Erwin Sackett and his own song, Jack Goodwin, tenor.

WGN, Chicago, Ill. (302.8), 11-11:30 a. m., household hints, 11:30-12, fashion discussion, 12:30-2:30 p. m., luncheon concert, Drake concert ensemble and Blackstone string quintet; 2:30-3, Lyon and Healy artists; 3-3:25, "A Waffle Supper," Ruth Hagers; 3:30-4:15, tea time music, Marshall Field tea room orchestra; 4:30-5, organ recital, 5:30-5:57, Skeezix; 6:30-7, dinner concert, Drake concert ensemble and Blackstone string quintet; 8-9, Eveready program, WEAF; 9-10, Ford program, WEAF; 10-11, amateur hour.

WHAD, Milwaukee, Wis. (275), 11 a. m., pianolog, Andy Hertel; "Getting the First Million," Carl Skinrood; 4 p. m., musical program, 5-7, Bill Benning's Milwaukee Athletic club orchestra.

WHAS, Louisville, Ky. (399.8), 12-1 p. m., Trinity Methodist church, Rev Dr John Lowe Eaid, pastor Mrs Madge Terry Lewis, director of music; 1-2 p. m. Benson trio; 3-3:30, organ recital, Miss Myrtle Loy Zahn, Jr.; 4-5, musical selections, Harry S Cutsinger assisted by Lewis Hobbs; reading, Cleave Collerain; 7:30-9, concert, Eddie Rosson and orchestra, Eddie Rosson, manager, drums, director; thrift talk, Liberty Insurance bank.

WHB, Kansas City, Mo. (365.6), 2-3 p. m., musical program, Mona Motor Oil Cars; 7-7:30, Morrell Moore, organist; 8-9, Success studio; 9-10, Mona Motor Oil Cars, Ned Tollinger, John Wolfe.

WHO, Des Moines, Iowa (526), 7:30-8 p. m., Radio quintet; 8-9, Banker's Life trio.

WHT, Chicago, Ill. (399.8), 10 a. m., Jean Sargent's program, women's club; Borden health talk, Jean Good Luck Girl; studio music; 11, special stock features, Magnus musical lecture; 12 noon, Al Carney's complimentary organ recital; 1 p. m., special

hotel trio; 7:30, book review; 8, Seaside hotel trio; 11:45, organ recital.

WHN, New York, N. Y. (361.2), 12:30-1 p. m., Lexington organ recital; 2:15-3:15, Overture and vaudeville from Loew's State theater; 3:15-4:30, Lexington orchestra; 7-7:30, Vincent Lopez Iceland orchestra; 7:30-8, Will Oakland's Chateau Shanley; 11-11:30, Caravan orchestra; 11:30-12, Bob Murphy's orchestra; 12-12:30 a. m., Club Kentucky Revue and orchestra.

WIP, Philadelphia, Pa. (508.2), 6:15 a. m., setting-up exercises; 7, setting-up exercises; 10, menu talk, Mrs. Anna B. Scott; 1 p. m., organ recital; 3, recital; 6:05, Pagoda dance orchestra; 7, Uncle Wip's bedtime stories; 8, Elliott Lester, dramatic critic; 10:05, Emo's weekly movie broadcast; 10:30, Brunswick Recording dance orchestra.

WJR, Pontiac, Mich. (516.9), 7 p. m., Jean Goldkette's Petite symphony orchestra; 7:30, old-time dance music, Glover-Watson organization; 9, Jean Goldkette's serenaders.

WLIT, Philadelphia, Pa. (394.5), 11 a. m., organ recital, Stanley theater; 12:02 p. m., daily almanac; Stanley theater organ recital; Arcadia Cafe concert orchestra; 2, Arcadia Cafe concert orchestra; 2:30, household helps and hints, Richard S. Bond; 4:30, program, auspices Republican Women of Pennsylvania; 7:30, Dream Daddy's bedtime stories; 7:30, play review, Allyn C. Saurer.

WLWL, New York, N. Y. (288), 11-12 a. m., shopping talk.

WMCA, New York, N. Y. (340.7), 11-12 a. m., Ida Bailey Allen's Home-Maker's hour; 12-12:10 p. m., talk on Footwear; 12:10-12:30, American School association; 12:30-12:45, Lucille Buhl; 6-6:30, Olcott Vail and his Hotel McAlpin orchestra; 6:30-7, Club Caprice; 7:15-8, N. Y. Institute of Finance; 8-8:30, Pace Institute program; 11-12, Ernie Golden and his Hotel McAlpin orchestra.

WNYC, New York, N. Y. (526), 7:10 p. m., the Canadians; 7:35, the Canadians; 8, male quartet; 8:30, orchestra; 10, Harry Ashs orchestra; 10:35, Harry Ash's orchestra.

WOO, Philadelphia, Pa. (508.2), 11 a. m., organ recital; 12 n., Golden's Crystal tea room orchestra; 1:45 p. m., organ recital; 7:30, Hotel Adelphia French room orchestra.

WOR, Newark, N. J. (405.2), 6:15 p. m., "Words Often Mispronounced"; 6:30, Man in the Moon stories for children; 7, Hotel Shelton ensemble; 7:30, Newark evening news.

WPG, Atlantic City, N. J. (299.8), 1:30 p. m., Hotel Ambassador luncheon music, 6:45, organ recital, Arthur Scott Brook; 7, Hotel Morton trio dinner music; 8, Ethel Rattay Fowler's fashion flashes; 8:15, Plaza hotel artists; Cecile Steiner, violinist; Margaret Irwin, pianist; Dora Davies Williams, soprano; Alice Warren Sachse, pianist; 9, Charlotte Haddon hall dual trio; 10, program; 11, Silver Slipper supper club; Eddie McKnight's dance orchestra.

WRC, Washington, D. C. (468.5), 10 a. m., women's hour, WJZ; 12 n., George F. Ross, organist; 1 p. m., Hotel Washington orchestra; 6, Hotel Hamilton orchestra; 6:50, "Show Shopping," Leonard Hall; 7, Lee House trio; 7:15, Radio School of International Relations; 7:30, U. S. Marine band; 8:30, New York Edison hour, WJZ; 9:30, to be announced; 10, "The Grand Tour," WJZ; 10:30, W. Spencer and his Hotel Mayflower orchestra, WJZ, WGY, 11:30, Gertrude Smallwood, organist; 12, Meyer Davis' Le Paradise band.

WREO, Lansing, Mich. (285.5), 6-7 p. m., Speed-Wagon serenaders; Gold Standard ensemble; 8:15, Reo Motor Car company band; Reo Motor Car company band glee club.

WTAG, Worcester, Mass. (268), 10:30 a. m., musical selections; 10:45, talk to mothers, Rochelle Jacobus; 12:05-2 p. m., luncheon music, WTAG orchestra, Will Hardy, director; 5:15, "The Twinkle Twinkle Story Teller"; 7:45, "How to Use Bituminous Coal," Prof. Carlton Read; 8-8:30, "The Tennesseans" orchestra, WEAF; 8:30-9, vocal selections; 9-10, Eveready hour; 10-10:30, song hour; 10:30-11, Vincent Lopez and his orchestra.

Index to Farmers' Programs

Farmer Dinner Concerts

Daily Except Sunday

CENTRAL TIME
KFNF, 12:15-1:35 p. m.
KSO, 12:30-1:30 p. m.
WLS, 12 noon.

Saturday, January 9

Eastern	Central	Mountain	Pacific
1:45 p. m.	12:45 p. m.	11:45 a. m.	10:45 a. m.

WOI (270) Soils, questions and answers.

8	7	6	5

KDKA (309.1) Farm program.

Sunday, January 10

Eastern	Central	Mountain	Pacific
3:30 p. m.	2:30 p. m.	1:30 p. m.	12:30 p. m.

WFAA (475.9) Sunday hour for farmers.

Monday, January 11

Eastern	Central	Mountain	Pacific
1:15 p. m.	12:15 p. m.	11:15 a. m.	10:15 a. m.

WEAO (293.9) Timely Economic Information for the Farmer.
WOC (483.6) Those Unborn Pigs—Give Them a Chance.

1:35	12:35	11:35	10:35

KSAC (340.7) Oat Diseases.

1:45	12:45	11:45	10:45

WOI (270) Dairy Production.
WMAQ (447.5) Radio farm school.

2	1	12 n.	11

KFKX (288.3) Those Unborn Pigs—Give Them a Chance.

7	6	5 p. m.	4 p. m.

KSAC (340.7) Purchasing Power of Farm Products. Diseases Common to Sorghums, and Their Control.
WGY (379.5) Agricultural program.

7:45	6:45	5:45	4:45

WSOE (246) Hog Raising.

8:30	7:30	6:30	5:30

KFMQ (299.8) Farmers' night.
WMC (499.7) Talk.
WOI (270) Poultry Course.

8:45	7:45	6:45	5:45

WCCO (416.4) Swine Raising, lesson VI—Sanitation in the Hog Lot.

9:05	8:05	7:05	6:05

KFAB (340.7) Agricultural talks.

9:30	8:30	7:30	6:30

KOAC (280.2) Question box.

9:40	8:40	7:40	6:40

KOAC (280.2) Economical Hog Production in Oregon.

10	9	8	7

KOAC (280.2) Planting and Care of the Potato Crop.

10:15	9:15	8:15	7:15

KOAC (280.2) A Definite Plan Will Solve the Garden Planting Problem.

Tuesday, January 12

Eastern	Central	Mountain	Pacific
11:30 a. m.	10:30 a. m.	9:30 a. m.	8:30 a. m.

KFAB (340.7) Poultry talks.

1:15	12:15 p. m.	11:15	10:15

WOC (428.3) Various Poultry Diseases.

1:35	12:35	11:35	10:35

KSAC (340.7) Sweet Clover Poisoning in Cattle. Selecting Calves for Baby Beeves.

1:45	12:45	11:45	10:45

WMAQ (447.5) Radio farm school.
WOI (270) Animal Husbandry, questions and answers.

2	1	12 n.	11

KFKX (288.3) Infectious Poultry Diseases.

7	6	5 p. m.	4 p. m.

KSAC (340.7) Substitute Value of Different Grains for Hogs. The Dairy Industry of Kansas.

7:15	6:15	5:15	4:15

WKAR (285.5) Agriculture, engineering, soils.

8	7	6	5

WOC (483.6) Answering Questions with Reference to Farm Animals.

Wednesday, January 13

Eastern	Central	Mountain	Pacific
1 p. m.	12 n.	11 a. m.	10 a. m.

WOI (270) The Farmer's Hired Man.

1:15	12:15 p. m.	9:15	8:15

WOC (483.6) The Making of the Dairy Cow.

1:35	12:35 p. m.	11:35	10:35

KSAC (340.7) Alfalfa Improves Hatchability of Eggs. Perennials for the Garden.

1:45	12:45	11:45	10:45

WMAQ (447.5) Radio farm school.
WOI (270) Poultry husbandry.

2	1	12 n.	11

KFKX (288.3) The Making of the Dairy Cow.

2:30	1:30	12:30 p. m.	11:30

KOAC (280.2) Facts About Oregon's Big Wheat Conference.

7	6	5	4 p. m.

KSAC (340.7) Relation of Transportation to Agriculture. Servicing Your Own Car.

9:05	8:05	7:05	6:05

KFAB (340.7) Agricultural talks.

10:30	9:30	8:30	7:30

KWSC (348.6) The Economic Value of the Poultry Industry.

Thursday, January 14

Eastern	Central	Mountain	Pacific
1:15 p. m.	12:15 p. m.	11:15 a. m.	10:15 a. m.

WOC (483.6) Legume Day—Some High Points in Successful Culture.
WOI (270) Better Farm Equipment week.

1:35	12:35	11:35	10:35

KSAC (340.7) Are You Maintaining Your Soil Fertility?

1:45	12:45	11:45	10:45

WMAQ (447.5) Radio farm school.
WOI (270) Farm crops.

2	1	12 n.	11

KFKX (288.3) Clover Seeding—Some High Points in Successful Culture.

Eastern	Central	Mountain	Pacific
7:15 p. m.	6:15 p. m.	5:15 p. m.	4:15 p. m.

WKAR (285.5) Agriculture, engineering and soils.

8:30	7:30	6:30	5:30

WOI (270) Dairyman's short course.

9	8	7	6

WEAO (293.9) Soils.

9:30	8:30	7:30	6:30

KOA (322.4) Farm question box.

Friday, January 15

Eastern	Central	Mountain	Pacific
1:15 p. m.	12:15 p. m.	11:15 a. m.	10:15 a. m.

WOC (483.6) Special farm service day.

1:35	12:35	11:35	10:35

KSAC (340.7) Kansas Alfalfa Seed the Best in the World.

1:45	12:45	11:45	10:45

WOI (270) Agricultural Economics.

2	1	12 n.	11

KFKX (288.3) Special Farm Service Day.
WMAQ (447.5) Radio farm school.

8:45	7:45	6:45 p. m.	5:45 p. m.

WCCO (416.4) Bee Keeping, lesson V—Marketing of Honey.

10:30	9:30	8:30	7:30

KWSC (348.6) Preparing for 1926 Crops.

Markets and Weather

Daily Except Sunday

Eastern	Central	Mountain	Pacific
8:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.

WFAA (475.9) markets.
WOAW (526) markets.

9:45	8:45	7:45	6:45

KDKA (309.1) livestock, grain.

10	9	8 p. m.	7 p. m.

WLS (345) livestock, markets, fruit.
WOS (440.9) hogs.

10:30	9:30	8:30	7:30

KFKX (288.3) livestock, fruit, vegetables, hogs.
KTCL (395.9) weather, sheep, quotations.
WFAA (475.9) markets.
WOI (270) Weather.

10:45	9:45	8:45	7:45

WCCO (475.9) markets.
WMC (499.7) weather, markets.

11	10	9	8

WBAP (475.9) markets, quotations.
WOS (440.9) weather, hogs.

11:15	10:15	9:15	8:15

WTAG (268) markets, weather.

11:30	10:30	9:30	8:30

KFKX (288.3) weather, fruit, vegetables.
WCCO (416.4) markets.
WEAR (389.4) markets, weather.

11:45	10:45	9:45	8:45

WAAW (384.4) Livestock, butter, eggs.

12 noon	11 a. m.	10 a. m.	9 a. m.

KDKA (309.1) weather, livestock, grain.
WBAP (475.9) weather, cattle, grain.
WEAR (389.4) markets, weather.
WHAD (275) weather, markets.
WLS (345) poultry, dairy, hogs, sheep.
WOS (440.9) livestock, poultry, eggs, grain.

12:30 p. m.	11:30 a. m.	10:30 a. m.	9:30 a. m.

KFKX (288.3) livestock, fruit, vegetables, dairy.
WEAR (389.4) markets, weather.
WFAA (475.9) markets.

1 p. m.	12 noon	11 a. m.	10 a. m.

WBAP (475.9) markets.
WHT (400) fruit, weather.
WOS (440.9) livestock, weather.

1:30 p. m.	12:30 p. m.	11:30 a. m.	10:30 a. m.

KTHS (374.8) markets, weather.
WFAA (475.9) markets.
WOAW (526) markets.
WOI (270) Weather, livestock.

1:35 p. m.	12:35 p. m.	11:35 a. m.	10:35 a. m.

KPO (428.3) butter, eggs, cheese, poultry.

1:45 p. m.	12:45 p. m.	11:45 a. m.	10:45 a. m.

KOA (322.4) weather, roads, livestock, poultry

2 p. m.	1 p. m.	12 noon	11 a. m.

WOC (484) weather, grain, livestock, dairy.
WOS (440.9) grain.

2:15	1:15	12:15	11:15

WAAW (384.4) Grain markets.

2:30 p. m.	1:30 p. m.	12:30 p. m.	11:30 a. m.

WCCO (416.4) markets, weather.
WFAA (475.9) markets.

3 p. m.	2 p. m.	1 p. m.	12 noon

WLS (345) livestock, grain, dairy, fruit, vegetables.
WOS (440.9) livestock, markets, grain.

3:30	2:30	1:30	12:30

WFAA (475.9 markets.
WMC (499.7) markets, weather.

3:50	2:50	1:50	12:50

WWJ (352.7) weather, markets.

4	3	2	1

KFKX (288.3) livestock, wool.
WCCO (416.4) markets.
WCX (517) stock and grain.

4:30	3:30	2:30	1:30

WEAR (389.4) markets, weather.
WFAA (475.9) markets.

5:50	4:50	3:50	2:50

WDAF (365.6) markets, weather, road reports
WHAS (399.8) markets.

6	5	4	3

KFAU (278) markets, weather.

6:30	5:30	4:30	3:30

KSAC (340.7) markets.

6:45	5:45	4:45	3:45

WIP (508.2) livestock, markets.

6:50	5:50	4:50	3:50

WHAD (275) markets.

7:30	6:30	5:30	4:30

KSAC (340.7) market review.

7:45	6:45	5:45	4:45

KFWA (261) market reports.

8	7	6	5

KFKX (288.3) markets.
KOA (322.4) sheep, markets, livestock, poultry

9	8	7	6

WAAW (384.4) Marketgram and talks.

11	10	9	8

WCCO (416.4) weather, grain.

GRACE KERNS GUEST ARTIST MONDAY AT WSAI; WENDELL HALL AT KFAB

Index to Popular Concerts

Saturday, January 9

Eastern	Central	Mountain	Pacific
7:30 p. m.	6:30 p. m.	5:30 p. m.	4:30 p. m.

WFAA.

8	7	6	5

WLS.

9	8	7	6

WBBM, WEAF, WENR, WGBS, WLS, WMAQ, WNYC.

10	9	8	7

KFAB, KPRC, WBBM, WENR, WGN, WLS, WMBB, WREO.

11	10	9	8

KFVE, KFWB, KNX, KTHS, WBBM, WMBB, WOK, WQJ, WRC.

12	11	10	9

KNX, KOIL, KPO, KPRC, WBBM, WLS, WOAW, WOK, WQJ.

1 a. m.	12 m.	11	10

KFWB, WDAF, WBBM, WEBH, WENR, WOK, WQJ, WSAI.

2	1 a. m.	12 m.	11

KNX, WBBM, WENR, WQJ.

Sunday, January 10

Eastern	Central	Mountain	Pacific
9 p. m.	8 p. m.	7 p. m.	6 p. m.

WBBM.

10	9	8	7

WBBM, WMBB.

11	10	9	8

WMBB.

12	11	10	9

KNX, KTHS.

1 a. m.	12 m.	11 p. m.	10

KFWB, WBBM.

2	1 a. m.	12 m.	11

KFWB.

Monday, January 11

Eastern	Central	Mountain	Pacific
7 p. m.	6 p. m.	5 p. m.	4 p. m.

WBBM, WFAA, WOAW.

8	7	6	5

WGBS.

9	8	7	6

WCAU, WEAF, WGR, WKRC, WOK.

10	9	8	7

KFAB, WGR, WKRC, WMCA, WOAW, WOK, WSOE.

11	10	9	8

KFAB, KFVE, WOK.

12 m.	11	10	9

KLX, KNX, KOIL, WHO, WOK.

1 a. m.	12 m.	11	10

KFWB, KLX, WAHG, WDAF, WHT, WKBC, WOK.

2 a. m.	1 a. m.	12 m.	11

KFWB.

Tuesday, January 12

Eastern	Central	Mountain	Pacific
7 p. m.	6 p. m.	5 p. m.	4 p. m.

WMCA, WOAW.

8	7	6	5

WBBM, WEAR.

9	8	7	6

WBBM, WEAR, WBZ, WSB.

10	9	8	7

WBBM, WMBB, WOAW.

Eastern	Central	Mountain	Pacific
11 p. m.	10 p. m.	9 p. m.	8 p. m.

KFVE, KFWB, KNX, WBBM, WHT, WMBB, WOK, WQJ.

12 m.	11	10	9

KNX, KOIL, KPO, WBBM, WFAA, WKRC, WMC, WOK, WQJ.

1 a. m.	12 m.	11	10

KFWB, KNX, WFAA, WHT, WOAW, WOK, WQJ.

2	1	12 m.	11

KFWB, WQJ.

Wednesday, January 13

Eastern	Central	Mountain	Pacific
8 p. m.	7 p. m.	6 p. m.	5 p. m.

KFNF, WAHG, WEBJ, WEEI, WMCA.

9	8	7	6

WBBM, WEBJ, WGCP, WNYC.

10	9	8	7

KFAB, KPRC, WBBM, WGCP, WHO, WMBB.

11	10	9	8

KFAB, KFVE, KGW, KPO, KWSC, KYW, WBBM, WHN, WMBB, WOK, WQJ.

12 m.	11	10	9

KFWA, KFWB, KNX, KYW, WOK, WQJ, WSAI.

1 a. m.	12 m.	11	10

KNX, KYW, WBBM, WHT, WOK, WQJ.

2	1 a. m.	12 m.	11

KFWB, KNX, WBBM, WOK, WQJ.

Thursday, January 14

Eastern	Central	Mountain	Pacific
8 p. m.	7 p. m.	6 p. m.	5 p. m.

WCAE, WEAF, WJAR, WMC, WOC, WSAI.

9	8	7	6

WBBM, WHAD.

10	9	8	7

KMA, WBBM, WEEI, WHAD, WHN, WMBB, WMC, WNYC, WOAW, WSOE.

11	10	9	8

KHJ, KMA, KYW, WBBM, WMBB, WOK, WQJ.

12 m.	11	10	9

KHJ, KTAB, KOIL, WBBM, WDAF, WEAA, WKRC, WOC, WOK, WQJ.

1 a. m.	12 m.	11	10

KFWB, KHJ, WHT, WOK, WQJ.

2	1 a. m.	12.m.	11

KNX, WQJ.

Friday, January 15

Eastern	Central	Mountain	Pacific
8 p. m.	7 p. m.	6 p. m.	5 p. m.

WGCP, WJR.

9	8	7	6

WBBM, WGR, WLS.

10	9	8	7

KFAB, WBBM, WMC, WDAF, WHAD, WMBB, WOAW, WSOE.

11	10	9	8

KFVE, KFWA, KHJ, KLX, KYW, WMBB, WOK, WQJ.

12 m.	11	10	9

KFWB, KHJ, KNX, KOIL, WMC, WOK, WQJ.

1 a. m.	12 m.	11	10

KFWB, KHJ, WDAF, WHT, WOK, WQJ.

2	1 a. m.	12 m.	11

KNX, WQJ.

dance orchestra; 8-9, Screen Artists' string quartet, Drury Lennington, tenor; 9-10, program, Walter M. Murphy Motors Co., Virginia Flohri, soprano, and others; 10-11, Examiner, Ray West's Alexandria hotel dance orchestra.

KFOA, Seattle, Wash. (453.3), 6:45-8:15 p. m., Sherman, Clay and company program; 8:30-10, Times studio program.

KFON, Long Beach, Calif. (232.4), 4:30-5 p. m., amusement bulletin; 6-6:30, organ recital, Brayton's theater; 8-9, Press-Telegram hour, presenting Community Service program; 9-10, Ardys Anderson musical hour.

KFWB, Hollywood, Calif. (252), 5-6 p. m., children's hour, Big Brother of KFWB; 7-8, microphone brevities; 8-9, program, Globe Ice Cream and Weber Baking companies; Joe Martin's orchestra; Ray Bailey's trio; Sol Hoopii's Hawaiians; 9-10, program, Star Motor Car Co., Million Dollar Four orchestra, Ashley Sisters, vocal duets and others; 10-11, Warner Brothers frolic, Charlie Wellman directing.

KFXF, Colorado Springs, Colo. (250), 8:30 p. m., musical selections; 8:45-9, educational talk; 9-10:30, dance program, Warner Stone's Columbians.

KGO, Oakland, Calif. (361.2), 10:40 a. m., classroom instruction; 3-4 p. m., interpretations of the classics, Wilda Wilson Church; 6-6:55, dinner concert, Sherman, Clay and company; 8, farm program; "Chats About New Books," Joseph Henry Jackson; "Better English," Wilda Wilson Church; "How to Choose the Right School and Teacher for Your Child," Dr. Albertine Richards Nash; "The University Afield," Leon J. Richardson; Arion trio.

KGW, Portland, Ore. (491.5), 7:15 a. m., physical culture exercises; 12:30-1:30 p. m., Rose City trio; 6-7, dinner concert; 8-9, concert; 9-10, concert, Hudson and Essex Dealers of Oregon.

KMTR, Hollywood, Calif. (238), 5-6 p. m., home hour, Mammy Simmons, Walter Benson, Helen Levy, Billy Henderson, Betty McKay; 7:15, Y. M. C. A. program; 8-10, The Turner orchestra, direction Loren Powell; Tom Mitchell, baritone; 10-11, Starr Piano company studio.

KNX, Hollywood, Calif. (336.9), 5-5:30 p. m., Sunny Jim's story; 5:30-6:15, Wurlitzer pipe organ studio; Town Tattler; 6:15, travel talk, W. F. Alder; 6:30 7,

"Wet towels, please!" Above, from left to right, are Peter MacArthur, announcer; Bernice Schultz, director of the Crescent orchestra; Edgar H. Twamley, studio director of WOC, Davenport, getting their heads together to work up keen little stories and musical numbers for the next Crescent orchestra's monthly continuity program. If you do not believe "Three Heads are Better Than One," these three prepared the Crescent programs for "A Chronology of American Music," and "His Masterpiece," given recently. WLW, Cincinnati, is not stumped by listeners' requests for poetry. Charles Meade, left, has all the best poems stored in his head. Test him out by requesting your favorite. Cornelia Dungan, right, is the story lady of WGES, Oak Park.

Monday, January 11

eases Common to Sorghums and Their Control," L. E. Melchers.

KSD, St. Louis, Mo. (545.1), 7 p. m., for hour recital, Mrs. Mabel Newell, soprano; 7:30, recital, Mrs. Bertie Reynolds, Mrs. Lola Herr, Mrs. Marion Winters and Mrs. George R. Davis of Mt. Sterling, Ill.; 9, WEAF chain "Good Will" program.

KSO, Clarinda, Iowa (241.8), 12:30-1:15 p. m., farm talk; 7-7:30, music, 7:30-9, music.

KTHS, Hot Springs National Park, Ark. (374.8), 12:30-1 p. m., homefolks hour; 9-9:45, classics in 20th century style, New Arlington orchestra; 9:45-10, Lawson Reid, organist; 10-12, Rainbow Garden frolic, California serenaders from 555.

KWKH, Shreveport, La. (261), 8-9 p. m., musicale, Novella Mayo.

KYW, Chicago, Ill. (536), 6:30-7 a. m., morning exercises, Paul A. Leonhardt; 7:30, morning family worship, Y. M. C. A.; 11:15, talk, John C. Cutting; 11:35, table talk, Mrs. Anna J. Peterson, Peoples Gas company; 12:05 p. m., concert; 1, luncheon concert, Congress hotel; 6, dinner musical, KDKA; 7:05, bedtime story, Walter Wilson.

WAMD, Minneapolis, Minn. (243.8), 12 p. m., musical program; Collia Dare, contralto, Chuck Johnson, uke; Grace Norman, soprano, Bee Lowell, pianist and accompanist; 6:15, dinner concert, George Osborn's Hotel Radisson orchestra; 7:05, talk; 7:10, Edwin Lindstrom, baritone, Rose Schaeitgen, violin, Mrs. L. V. Koos, accompanist, Edna Weese, soprano, Etta Landry, accompanist, Mrs. Margaret Leemhuis, pianist; 11, George Osborn's Hotel Radisson Skyrockets.

WBBM, Chicago, Ill. (226), 4-6 p. m., Valentino Inn orchestra, artists; 6-7, Harold Anderson, piano-accordionist; WBBM string trio, artists.

WCCO, Minneapolis-St. Paul, Minn. (416.4), 12 n., Donaldson's orchestra; 2 p. m., women's hour; 2:30, afternoon concert; 4, readers' club, Mrs. Walter Stevens; 5:30, children's hour; 6:30, Geldon Cooke ensemble; 7:15, "Sanitation in the Hog Lot"; 8, University of Minnesota program; 9, classical program.

WDAF, Kansas City, Mo. (365.6), 6-7 p. m., the Tell-Me-a-Story lady; dialect readings, C. M. Ragan; music, the Trianon ensemble; 8-9:30, program, Ivanhoe Band and Glee club; O. A. McDonald, vocal soloist; 11:45-1 a. m., Carl Nordberg's Plantation players, Hotel Muehlebach; selections, Ted Meyn on the Pantages theater organ.

WDOD, Chattanooga, Tenn. (256), 6:30-7 p. m., organ music, Tivoli theater; 7-8, Hotel Patten orchestra; 8:15, special features and program.

WGN, Chicago, Ill. (302.8), 7-7:30 a. m., setting-up exercises; 11-11:30, household hints; 11:30-12, fashion discussion; 12:10-2:30 p. m., luncheon concert, Drake hotel; 2:30-3, Lyon and Healy artists; 3:30-4:15, tea time music, Marshall Field tea room orchestra, organ recital; 5:30-5:57, Skeezix, 6:30-7, dinner concert, Drake hotel.

WGST, Atlanta, Ga. (270), 9-10 p. m., program, Bill Walton, pianist.

WHAD, Milwaukee, Wis. (275), 11 a. m., pianolog, Andy Hertel; 4 p. m., Trixy Ann Troy, ukulele; 6:15-7, Bill Benning's Milwaukee Athletic club orchestra; 8-10, Marquette university studio program.

WHAS, Louisville, Ky. (399.8), 1-2 p. m., concert, Royal Peacock orchestra, 3-3:30, organ recital, Mrs. Myrtle Fulks Zahn, Jr.; 4-5, musical selections, Harry S. Currie, director; fashion talk, Peggy True of the Courier-Journal; readings, choice editorials.

WHB, Kansas City, Mo. (365.6), 2-3 p. m., Sweeney Radio trio; 7-8, Milo Finley trio; Don Anchors, poet; Sweeney Radio orchestra.

WHO, Des Moines, Ia. (526), 7:30-9 p. m., Vernon Sheffield, pianist; Mary O'Grady, soprano; Frank Ferguson, Verne Deskin, violinists; Elsa Cornell, accompanist; Hazel Jay, contralto; 11-12, Bankers' Life Corn Sugar orchestra.

WHT, Chicago, Ill. (399.8), 10 a. m., Jean Sargent's program, woman's club; Borden health talk, Jelke Good Luck Girl; Helen Raub, pianist; John Clark, baritone; 10:45, Betty Crocker home service; 11, special studio features; 12 p. m., Al Carney's organ hour; 1, special studio program, Grayling's string trio; 6, classical program, dinner organ recital; Helen Raub, pianist, Grayling's string trio; Pat Barnes; Helen Axtel, soprano; John Clark, baritone; 7, Kitchen Klenzer Klassics.

WIBO, Chicago, Ill. (226), 10-11 a. m., shoppers' bureau, Grace Viall Gray; 2-4, Ted Fiorito, pianist; Dan Russo, violinist; Victor Young, violinist.

WLS, Chicago, Ill. (344.6), 12-1 p. m., WLS trio; 6-7, Blue Ribbon artist's concert, "Hansel and Gretel."

WLW, Cincinnati, Ohio (422.3), 7:30 a. m., exercises, William Stradtman, Y. M. C. A.; 8, morning devotions, auspices of Parkway Y. M. C. A.; 12:05 p. m., religious service, Rev. George H. Kase; 4, Monday Musical club concert; 6:30, theatrical feature; 7, dinner hour concert, Hotel Gibson, Robert Visconti, director; 7:30, Y. M. C. A. basket ball question box; 7:40, Hotel Gibson concert; 8, The Cincinnati Times-Star program, Robert Visconti, director; Cino male quartet.

WMAQ, Chicago, Ill. (447.5), 12:20 p. m., Junior Association of Commerce; 1, Radio Farm school; 2, shut-in program; 4, mothers in council; 4:30, "Foibles of the Moment," Mrs. Graham Aldis; 4:40, Glenn Dillard Gunn School of Music; 5, children's game, Glenn Adams; 5:10, Topsy Turvy time; 6, Chicago theater organ recital; 6:30, Hotel LaSalle orchestra; 6:40, Family Altar league.

WMC, Memphis, Tenn. (499.7), 7:15 p. m., Peter Pan Tinker Bell; 7:30, farm talk; 8:30, program, Dr. George L. Powers.

WOAI, San Antonio, Texas (394.5), 3 p. m., musical program.

WOAW, Omaha, Neb. (526), 12:15 p. m., Randall's Royal Fontenelle orchestra; 6, classical; 6:15, popular song period; 6:40, insurance talk, Daniel D. Macklin; 6:50, Randall's Royal Fontenelle orchestra; 9, deluxe program.

WOC, Davenport, Iowa (483.6), 12:15-12:25 p. m., "Those Unborn Pigs—Give Them a Chance," Prof. John M. Evvard; 3-3:30, Aunt Jane; 5:15-6, chimes.

WOS, Jefferson City, Mo. (440.9), 8 p. m., musical program, students of Fine Arts school, Christian college.

WQJ, Chicago, Ill. (447.5), 11-12 m., "The Care of the Hair and Skin," Madame Huntingford; 3-4 p. m., "Radio Fans' Recipes," Helen Harrington Downing; book review, Rev. Fred J. Harrison.

WRR, Dallas, Texas (246), 12-1 p. m., Hartwell Jones, entertainer; William Davidson, singer; 5:15, bedtime story; 6-7, Adolphus hotel, Jack Gardner and his orchestra; 8-9, concert, Magnolia Petroleum company orchestra; 11-12, Virgil Whitworth, xylophonist.

WSAI, Cincinnati, Ohio (326), 10-12 p. m., Cincinnati community program, symphony orchestra and soloists.

WSM, Nashville, Tenn. (282.8), 6:30 p. m., Beasley Smith and his orchestra; 7, WSM bedtime story interlude; 7:30, community program, First Presbyterian church; 10, program, Vito M. Pellettieri and his orchestra.

WSUI, Iowa City, Ia. (483.6), 12:30 p. m., Mrs. Dorothy Spencer, soprano; address, Dr. G. M. Ruch; 7:30-7:50, correspondence course lectures; 9, music faculty program.

Mountain Time Stations

KOA, Denver, Colo. (322.4), 12:15 p. m., Rialto theater musicale; 6:30, dinner concert, Brown Palace string orchestra; 7:30, sandman's hour; 8, conversational Spanish, Prof. Ananda Lopez Knecht; KOA orchestra; 9, bridge game; 9:30, Ina Rains, soprano; Franklin Hornaday, tenor.

Pacific Time Stations

KFI, Los Angeles, Calif. (467), 5:30-6 p. m., Examiner matinee; 6, Nightly doings; 6:15, KFI's Seeing California; 6:30, Vest pocket program; 6:45, Radiotorial period; 7-8, Owen Fallon's Californians

Atwater Kent concert orchestra; 7-7:30, Mutual Motors mirth contest; 7:30-8, program, Columbia Outfitting company; 8-9, program, L. W. Stockwell company; 9-10, program, Listenwalter & Gough, Rola string quartet; Zenith entertainers; 10-11, Goodrich Silvertown Cord dance orchestra; Lilyan May Challenger, contralto; 11-12, Ray West's Cocoanut Grove dance orchestra, Ambassador hotel.

KOAC, Corvallis, Ore. (280.2), 7:20 p. m., musical selections; 7:30, agricultural question box; 7:40, "Basis for Economical Hog Production in Oregon," H. A. Lindgren; 8, "Planting and Care of the Potato Crop," G. R. Hyslop; 8:15-8:30, "A Definite Plan Will Solve the Garden Planting Problem," A. G. Baquet.

KTAB, Oakland, Calif. (240), 9-9:30 a. m., prayer service, Rev. E. L. Spaulding; 4-5, women's club notes; 8-10, Western States Life Ins. company.

KWSC, Pullman, Wash. (348.6), 7:30-9 p. m., Rosalia Koch, pianist; Horace Trimball, guitarist; Ruth Wilkins, vocalist; "What Is An Engineer?" M. K. Snyder; "Psychology of Efficiency, Number 5, Training in Efficient Thinking," Dr. F. F. Nalder; "Development of New Lines of Washington Horticulture," M. D. Armstrong; readings, Mae Farr.

Tuesday, January 12

Headliners Today

Eastern	Central	Mountain	Pacific
6:45 p. m.	5:45 p. m.	4:45 p. m.	3:45 p. m.

WBAL (246) John Wilbourn, tenor.

8	7	6	5

WTIC (475.9) Travelers male quartet, symphony ensemble.

8:30	7:30	6:30	5:30

WJZ (454.3), WGY (379.5), WRC (468.5) Edison hour.

10	9	8	7

KHJ (405.2) Piggly Wiggly girls' trio.
KTHS (374.8) Hendrix College Glee club.
WEAF (491.5), WCCO (416.4), WGR (319), WOO (508.2) Old fashioned dance program.

10:20	9:20	8:20	7:20

WMAQ (447.5) Welsh Society program.

11	10	9	8

KFWB (252) Little symphony.

11:35	10:35	9:35	8:35

KDKA (309.1) Grand theater concert.

Tuesday, silent night for: CFCA, CHIC, CKNC, CKY, CNRC, CNRE, CNRM, CNRO, CNRW, CNRT, KFAU, KFKX, KFMQ, KFUO, KFWA, KOA, KOAC, KOB, KUOM, KWSC, PWX, WAHG, WAMD, WBBR, WCAD, WCAP, WGCP, WGST, WHAD, WHAZ, WJAD, WJAZ, WKAF, WOI, WOS, WRVA, WSM, WSUI, WTAM.

Eastern Time Stations

KDKA, Pittsburgh, Pa. (309.1), 7:15-8 a. m., morning exercises, O. Shannon; 5:45 p. m., children's period, Daddy Winkum; 6:30, dinner concert; 8:15, "The Importance of Purpose and Plan," Wayland M. Parrish; 8:30, concert, KDKA Little symphony orchestra, Victor Saudek, director; Chauncey Parsons, tenor, 11:35, concert, Grand theater.

WBAL, Baltimore, Md. (246), 6:45-7:45 p. m., dinner program; WBAL string trio, Philip Jeffreys, pianist, Arthur Morgan, violinist, and Frank Miller, cellist; soloist, John Wilbourn, tenor and WBAL ballad singer; 7:45-8:45, musical program, George Bolek, pianist, James Wilkinson, baritone, and Robert Lee, violinist.

WBZ, Springfield, Mass. (333.1), 6:30 p. m., KDKA; 7:30, "Literature in Modern Books," Prof. Robert Emmons Rogers; 8, hockey game, Boston Bruins vs. Canadians.

WCAP, Washington, D. C. (468.5), 6:45-7:45 a. m., Tower health exercises, WEAF.

WCAU, Philadelphia, Pa. (278), 7:30 p. m., N. Snellenburg and company recital; 8, Building and Loan talk, Fernand Baruch; 8:10, The Three Brothers; 8:25, theater digest, Abe Lipshutz; 8:35, National players; 9, Arlene Smith, soprano, Sarah Snyder, pianist; 9:30, Robert Frazer, blind Gospel singer, Elizabeth Holtz, pianist; 10, Harry Link, songs; 10:30, Cathay Tea Garden dance orchestra, Billy Hayes, director.

WCX, Detroit, Mich. (516.9), 6 p. m., dinner concert, Book-Cadillac hotel; 10, Red Apple club.

WEAF, New York, N. Y. (491.5), 11 a. m., Thomas Hughes, pianist; 11:10, lecture, "A Non-Technical Talk on How to Listen to Music," Katherine Bowen; 11:25, Thomas Hughes, pianist; 11:35, motion picture forecast, Adele Woodard; 11:55, musical program; 4 p. m., Clarence Williams trio; 4:30, women's program; 6, dinner music, Hotel Waldorf Astoria; 7, Jevva Blix, contralto; 7:10, Columbia University French course, Dr. Thatcher Clark; 7:30, Coal Miners trio; 7:45, Rudolph Joshowitz, violinist; 8, Blue Ribbon male quartet; 8:30, Gold Dust Twins; 9, Eveready hour; 10, Henry Ford's "Old Fashioned Dance Program"; 11-12, Ross Gorman and his orchestra, Monte Carlo.

WEAR, Cleveland, Ohio (389.4), 11 a. m., home service talk; 7 p. m., State theater vaudeville and music; 8, Ross Gorman's Earl Carroll Vanities orchestra, WEAF; 8:30, Gold Dust Twins, WEAF; 9, Eveready entertainers, WEAF; 10, auction bridge, WEAF; 10:30, Vincent Lopez orchestra, WEAF; 11, Wormack's singing syncopators.

WEEI, Boston, Mass. (348.6), 7:45 a. m., morning watch from Estey organ studio; 2, Eugene's singing orchestra; 6:45, big brother club; 7:40, Harvard observatory talk, "New Stars and Variables"; 8, Blue Ribbon male quartet, WEAF; 8:30, Gold Dust Twins, WEAF; 9, Eveready hour, WEAF; 10, your hour, WEAF; 10:30, Vincent Lopez and his orchestra.

WFI, Philadelphia, Pa. (394.5), 10 a. m., menu talk; 10:30, solos; 1 p. m., tea room orchestra; 3, Philadelphia Music club concert; 6:30, Bellevue-Stratford concert orchestra; 7, Bellevue Stratford dance orchestra; 8, Blue Ribbon male quartet; 8:30, Goldy and Dusty; 9, Eveready hour; 10:30, Vincent Lopez dance orchestra.

WGCP, New York, N. Y. (252), 12:15 p. m., race results; 3, pianist; 3:15, Paul Hogan, tenor; 3:30, songs, Eddie Meredith; 3:45, Ona Welsh, pianist; 4:05, Twentieth Century entertainers; 4:15, Isabelle Bob McDonald; 4:45, program; 5, Leslie McLeod, tenor; 7, Janssen's orchestra; 7:30, McDermott, Hagney and Steele trio; 8, health talk; 8:15, program.

WGR, Buffalo, N. Y. (319), 2:30 p. m., WGR's afternoon program; 6:30, Vincent Lopez Hotel Statler dance orchestra, Harold Gleser, director; 8, jointly with WEAF, including the Blue Ribbon male quartet, Ford Motor company, Gold Dust Twins, Eveready Hour, Vincent Lopez and his Casa Lopez orchestra.

WHAR, Atlantic City, N. J. (275), 2 p. m., Seaside hotel trio; 7:30, book review; 8, Seaside hotel trio; 11:15, organ recital.

DANCING

Central Time

Saturday, January 9: 8, Wjr, Wnyc, Wpg; 8:30, Wfaa; 8:35, Wgy; 9, Webh, Weei, Wmbb, Wnyc, Wrc; 9:10, Kths, Wip; 9:30, Kths, Wgbs, Wor, Wrc; 10, Kfve, Kfwa, Koa, Kpo, Weaf, Wgn, Wjr, Wkrc, Wmca, Wnyc, Wor, Wqj, Wreo, Wtam; 10:05, Wcco; 10:30, Wamd; 10:45, Wls; 11, Kfpg, Kfwa, Kfwb, Kpo, Webh, Wfaa, Wgbu, Wip, Woc; 11:30, Kfoa; 11:45, Wdaf; 12, Kfwa, Kgo, Kgw, Knx, Wgbu, Wjjd.

Monday, January 11: 8, Wgcp; 9, Weei, Wgbu, Wjar, Wor; 9:15, Wahg; 10, Kths, Wgbu, Wgcp, Wgr, Wmca, Wpg; 10:15, Wor; 10:30, Kfoa, Wgcp, Whn; 11, Kgw, Koil, Wgbu, Wgcp, Wgr, Whn, Who; 11:35, Wdaf; 12, Knx, Kpo.

Tuesday, January 12: 9, Webh, Wgbu, Wmbb; 9:30, Wcco, Wgbs, Wgy, Wip; 9:35, Wnyc; 10, Kfve, Wbbm, Weaf, Webh, Wgbs, Wgn, Whn, Wmca, Wmc, Wpg; 10:15, Kths; 10:30, Kths, Whn; 10:45, Wip; 11, Kgw, Koil, Wgbu, Whn; 11:30, Kfoa; 11:45, Wdaf; 12, Kgw, Khj, Knx, Kpo, Wdaf; 1, Wqj.

Wednesday, January 13: 9, Wcx, Webh, Wgbu, Wgcp, Whn, Who, Wmbb, Wmca, Wtic; 9:15, Wahg; 9:30, Wbap, Who, Wor; 10, Kfve, Wbap, Wfaa, Webh, Wgbu, Wgcp, Wqj; 10:05, Wcco; 10:30, Wbbm, Whn; 11, Koil, Kpo, Webh, Wgbu, Wgcp, Whn; 11:45, Wdaf; 12, Kfwa, Knx, Kpo, Wjjd.

Thursday, January 14: 8, Wjr, Webh, Weei, Wgbu, Who, Wjr, Wmbb, Wip; 9:05, Wbz, Wgy, Wlag; 9:30, Wgbs, Wnyc; 10, Kths, Wgbu, Wmca, Weaf, Wpg, Wqj, Kths, Whn, Webh, Woc; 11, Kths; 11:45, Khj, Knx, Kgo, Wjjd.

Friday, January 15: Wwj, Wjr, Webh, Weel, Wgcp, Wmbb, Wahg, 9:30, Weaf, Kfve, Kpo, Wgcp, Whn, Wpg; 10:05, Wcco, Whn; 11, Kfwb, Kpo, Webh, Wgcp, Wgr, Wpg; 11:45, Wdaf, Knx, Khj; 12:30.

WHN, New York, N. Y. (361.2), 12:30-1 p. m., Lexington organ recital; 2:15-3:15, Overture and vaudeville from Loew's State theater; 3:15-4:30, Lexington orchestra; 7-7:30, Vincent Lopez Iceland orchestra; 7:30-8, Will Oakland's Chateau Shanley; 11-11:30, Caravan orchestra; 11:30-12, Bob Murphy's orchestra; 12-12:30 a. m., Club Kentucky Revue and orchestra.

WIP, Philadelphia, Pa. (508.2), 6:45 a. m., setting-up exercises; 7, setting-up exercises; 10, menu talk, Mrs. Anna B. Scott; 1 p. m., organ recital; 3, recital; 6:05, Pagoda dance orchestra; 7, Uncle Wip's bedtime stories; 8, Elliott Lester, dramatic critic; 10:05, Emo's weekly movie broadcast; 10:30, Brunswick Recording dance orchestra.

WJR, Pontiac, Mich. (516.9), 7 p. m., Jean Goldkette's Petite symphony orchestra; 7:30, old-time dance music, Glover-Watson organization; 9, Jean Goldkette's serenaders.

WLIT, Philadelphia, Pa. (394.5), 11 a. m., organ recital, Stanley theater; 12:02 p. m., daily almanac; Stanley theater organ recital; Arcadia Cafe concert orchestra; 2, Arcadia Cafe concert orchestra; 2:30, household helps and hints, Richard S. Bond; 4:30, program, auspices Republican Women of Pennsylvania; 7:30, Dream Daddy's bedtime stories; 7:30, play review, Allyn C. Saurer.

WLWL, New York, N. Y. (288), 11-12 a. m., shopping talk.

WMCA, New York, N. Y. (340.7), 11-12 a. m., Ida Bailey Allen's Home-Maker's hour; 12-12:10 p. m., talk on Footwear; 12:10-12:30, American School association; 12:30-12:45, Lucille Buhl; 6-6:30, Olcott Vail and his Hotel McAlpin orchestra; 6:30-7, Club Caprice; 7:15-8, N. Y. Institute of Finance; 8-8:30, Pace Institute program; 11-12, Ernie Golden and his Hotel McAlpin orchestra.

WNYC, New York, N. Y. (526), 7:10 p. m., the Canadians; 7:35, the Canadians; 8, male quartet; 8:30, orchestra; 10, Harry Ash's orchestra; 10:35, Harry Ash's orchestra.

WOO, Philadelphia, Pa. (508.2), 11 a. m., organ recital; 12 n., Golden's Crystal tea room orchestra; 4:45 p. m., organ recital; 7:30, Hotel Adelphia French room orchestra.

WOR, Newark, N. J. (405.2), 6:15 p. m., "Words Often Mispronounced"; 6:30, Man in the Moon stories for children; 7, Hotel Shelton ensemble; 7:30, Newark evening news.

WPG, Atlantic City, N. J. (299.8), 1:30 p. m., Hotel Ambassador luncheon music; 6:45, organ recital, Arthur Scott Brook; 7, Hotel Morton trio dinner music; 8, Ethel Rattay Fowler's fashion flashes; 8:15, Plaza hotel artists; Cecile Steiner, violinist; Margaret Irwin, pianist; Dora Davies Williams, soprano; Alice Warren Sachse, pianist; 9, Chalfonte-Haddon hall dual trio; 10, program; 11, Silver Slipper supper club; Eddie McKnight's dance orchestra.

WRC, Washington, D. C. (468.5), 10 a. m., women's hour, WJZ; 12 n., George F. Ross, organist; 1 p. m., Hotel Washington orchestra; 6, Hotel Hamilton orchestra; 6:50, "Show Shopping," Leonard Hall; 7, Lee House trio; 7:15, Radio School of International Relations; 7:30, U. S. Marine band; 8:30, New York Edison hour, WJZ; 9:30, to be announced; 10, "The Grand Tour," WJZ; 10:30, W. Spencer and his Hotel Mayflower orchestra, WJZ, WGY; 11:30, Gertrude Smallwood, organist; 12, Meyer Davis' Le Paradise band.

WREO, Lansing, Mich. (285.5), 6-7 p. m., Speed-Wagon serenaders; Gold Standard ensemble; 8:15, Reo Motor Car company band; Reo Motor Car company band glee club.

WTAG, Worcester, Mass. (268), 10:30 a. m., musical selections; 10:45, talk to mothers, Rosebelle Jacobus; 12:05-2 p. m., luncheon music, WTAG orchestra, Will Hardy, director; 5:15, "The Twinkle Twinkle Story Teller"; 7:45, "How to Use Bituminous Coal," Prof. Carlton Read; 8-8:30, "The Tennesseans" orchestra, WEAF; 8:30-9, vocal selections; 9-10, Eveready hour; 10-10:30, your hour; 10:30-11, Vincent Lopez and his orchestra.

WTAM, Cleveland, Ohio (389.4), 12:15-1:15 p. m., Guy Lombardo and his Royal Canadians; 6-7, Carl Rupp and his Hotel Hollenden orchestra.

WTIC, Hartford, Conn. (475.9), 11 a. m., professional candy making, Dorit K. Weigert; 11:15, fashion talk, Mrs. Marion Down; 11:25, violin solos, Beatrice Torgan; 11:30, WTIC's housewives forum, Mrs. J. M. Dean; 12:15, luncheon music; 8, program, the Travelers male quartet, symphonic ensemble; 9:30, organ recital, Esther A. Nelson.

WWJ, Detroit, Mich. (352.7), 9:30 a. m., tonight's dinner and special talk; 12:05 p. m., Jules Klein's Hotel Statler orchestra; 3, Detroit News orchestra; 6, dinner concert; 8, concert, WEAF.

Central Time Stations

KFAB, Lincoln, Nebr. (340.7), 5:30-6:30 p. m., dinner concert, Monte Munn; 8:05-10:30, University of Nebraska musicale.

KFKX, Hastings, Nebr. (288.3), 1 p. m., "Infectious Poultry Diseases," A. G. Philips; "The Hastings KFKX Radio Special"; 5:30, KDKA dinner concert.

KFMQ., Fayetteville, Ark. (299.8), 8 p. m., Arkansas Old Fiddlers' contest; talk, Harry E. Schultz.

KFNF, Shenandoah, Iowa (266), 7 p. m., Forest City entertainers, Mrs. Izeyl Swope Richardson, director.

KFVE, University City, Mo. (240), 9:15 p. m., amusement review, Romaine Fielding; entertainers.

KMA, Shenandoah, Iowa (252), 11:30-12:30 a. m., noonday rural program; talk, Earl E. May; music; 6-7, May Flower trio, Lina Ferguson; 9-11, May's mandolin musicians; talk, G. H. Van Houten.

KPRC, Houston, Texas (296.9), 12 m., Majestic theater folks; 5:30 p. m., Uncle Judd's Kiddies' hour, 7:30, Billie Mack's orchestra; 8:30, Ruth Burr, pianist; 9, bridge game.

KSAC, Manhattan, Kan. (340.7), 9-9:25 a. m., music, inspirational talks, agricultural primer, calisthenics; 9:55-10:25, readings, backyard gossip, question box, planning today's meals; 12:35-10:05, "Sweet Clover Poisoning in Cattle," Dr. J. W. Linn; "Selecting Calves for Baby Beeves," M. H. Coe; 4:30-5, program for women's clubs; 6:30-7:30, better speech, etiquette; Extension credit course, "Economics"; Extension course, "Substitute Value of Differen Grains for Hogs," A. D. Weber; "The Dairy Industry of Kansas," J. B. Fitch.

KSD, St. Louis, Mo. (545.1), 6:55 p. m., WEAF chain "Good Will" program.

KSO, Clarinda, Iowa (241.8), 12:30-1:15 p. m., farm talk; 7-7:30, mixed program, J. D. Mosburger; 7:30-9, music.

KTHS, Hot Springs National Park, Ark. (374.8), 9-10 p. m., dance concert, Meyer Davis artists, Lon Chassy, leader; Clyde Foley; 10-11, "Conway Night," Hendrix college glee club.

KYW, Chicago, Ill. (536), 6:30-7 a. m., morning exercises, Paul A. Leonhardt; 7:30, morning devotional worship, Y. M. C. A.; 11:35, table talk, Mrs. Anna J. Peterson, Peoples Gas company; 12:05 p. m., concert; 1, luncheon concert, Congress hotel; 2:35-4, afternoon frolic; 6, dinner music, KDKA; 7:05, bedtime story, Walter Wilson; 7:33, speeches, American Farm Bureau federation; 8, musical program; 9, an hour of music; 10, evening at home program; 10:40, Coon-Sanders Original Nighthawks; 1 a. m., Insomnia club, Coon-Sanders Original Nighthawks.

WAMD, Minneapolis, Minn. (243.8), 12 n., Garrick theater organ recital, Jack Malerick.

WBBM, Chicago, Ill. (226), 4-6 p. m., Valentino Inn orchestra; artists; 8-9, Moulin Rouge orchestra; Phil Fleming, tenor; Jean St. Anne, French baritone; 9-10, Utilities Craftsmen glee club; 10-12, Ziegler Sisters; Moulin Rogue orchestra; Claire Matthews.

WBCN, Chicago, Ill. (266), 10-10:30 a. m., Penny Wise, the shopper's ready helper; 7-8, Ballantine Electric company classical hour; Robert Sansome, cellist; Gordon A. Nelson, tenor; Ann Kelley, soprano; Pearl Fairchild, pianist; 10-12, jazz jamboree, Midway orchestra; Borden Brothers, harmony duo; Ed Dempsey, tenor; Niese and Nehr, banjo bimbos; Drexel quartet, vocal group; Marie Wright, soprano; Finney Briggs, column conductor "Crazy Quilt" column; Marquette banjo four, string quartet; Frank H. McDonald, Radio talk; 12-2 a. m., pirate ship.

WCBD, Zion, Ill. (344.6), 8 p. m., Clarinet quartet, mixed quartet; celestial bells; Mrs. Hill, soprano; J. L. Bishop, baritone; Olive Wright, pianist; Louise Burgess, reader.

WCCO, Minneapolis-St. Paul, Minn. (416.4), 12 n., Dick Long's Dayton trio; 2 p. m., League of Women Voters; 2:30, Dick Long's trio; 3:05, "The World of Books," H. A. Bellows; 4, readers' club, Eleanor Poehler; 5:30, children's hour; 6:15, Biley's St. Paul hotel concert orchestra; 7:30, WEAF Gold Dust Twins; Eveready hour; Henry Ford.

WDAF, Kansas City, Mo. (365.6), 3:30-4:30 p. m., Star's string orchestra; 6-7, the Tell-Me-a-Story lady; address, Radio piano lesson, Miss Maudellen Littlefield; music, the Trianon ensemble; 11:45, the Plantation players, Hotel Muehlebach; Eddie Kuhn's Kansas City Athletic club orchestra; Billy Adair's Kansas City club orchestra.

WDOD, Chattanooga, Tenn. (256), 9-9:30 p. m., bridge games.

WEBH, Chicago, Ill. (370.2), 11:30 a. m., women's half hour; 3-4 p. m., special features; 7, special program; 9, musical bits from Uptown theater; 10-11, Oriole orchestra dance selections; 12:30 a. m., Kay Ronayne, songs.

WENR, Chicago, Ill. (266), 6-7 p. m., dinner concert; Rauland lyric trio; Russell Hendrickson, cellist; vocal and instrumental solos; 8-10, popular program; Frank Westphal and his All-American Pioneers; Loretta Giles, soprano; Al Tweed and Walter Peterson, harmonica and guitar selections; Phillip Millville, baritone; American Hawaiian trio.

WGES, Oak Park, Ill. (250), 5-7 p. m., Lydia Werner, soprano; Miles Sullivan players, one-act playlet; Stenstrom sisters, vocal duo; Tiffin theater organ and orchestra; 8-9, Helen Frahm, soprano; Tiffin orchestra; 11-1 a. m., Serenaders orchestra; quartet; Remington Welch, organist; Sandy McTavish, Scotch comedian; Erwin Schmidt and his own song; Jack Goodwin, tenor.

WGN, Chicago, Ill. (302.8), 11-11:30 a. m., household hints; 11:30-12, fashion discussion; 12:40-2:30 p. m., luncheon concert, Drake concert ensemble and Blackstone string quintet; 2:30-3, Lyon and Healy artists; 3-3:25, "A Waffle Supper," Ruth Hagers; 3:30-4:15, tea time music, Marshall Field tea room orchestra; 4:30-5, organ recital; 5:30-5:57, Skeezix; 6:30-7, dinner concert, Drake concert ensemble and Blackstone string quintet; 8-9, Eveready program, WEAF; 9-10, Ford program, WEAF; 10-11, amateur hour.

WHAD, Milwaukee, Wis. (275), 11 a. m., pianolog, Andy Hertel; "Getting the First Thousand," Carl Skinrood; 4 p. m., musical numbers; 6:15-7, Bill Benning's Milwaukee Athletic club orchestra.

WHAS, Louisville, Ky. (399.8), 12-1 p. m., Trinity Methodist church, Rev. Dr. John Lowe Fort, pastor, Mrs. Madge Terry Lewis, director of music; 1-2, the Benson trio; 3-3:30, organ recital, Mrs. Myrtle Fulks Zahn, Jr.; 4-5, musical selections, Harry S. Currie, assisted by Leroy Hobb; readings, choice editorials; 7:30-9, concert, Eddie Rosson and orchestra, Eddie Rossen, manager, drums, director; thrift talk, Liberty Insurance bank.

WHB, Kansas City, Mo. (365.6), 2-3 p. m., musical program, Mona Motor Oil Cans; 7-7:30, Morrell Moore, organist; 8-9, Sweeney studio; 9-10, Mona Motor Oil Cans, Ned Tollinger, John Wolfe.

WHO, Des Moines, Iowa (526), 7:30-8 p. m., Raleigh quintet; 8-9, Bankers' Life trio.

WHT, Chicago, Ill. (399.8), 10 a. m., Jean Sargent's program, woman's club; Borden health talk; Jelke Good Luck Girl; studio music; 11, special studio features, Magnus musical lecture; 12 noon, Al Carney's complimentary organ recital; 1 p. m., special

Index to Farmers' Programs

Farmer Dinner Concerts

Daily Except Sunday

CENTRAL TIME
KFNF, 12:15-1:35 p. m.
KSO, 12:30-1:30 p. m.
WLS, 12 noon.

Saturday, January 9

Eastern	Central	Mountain	Pacific
1:45 p. m.	12:45 p. m.	11:45 a. m.	10:45 a. m.

WOI (270) Soils, questions and answers.

8	7	6	5

KDKA (309.1) Farm program.

Sunday, January 10

Eastern	Central	Mountain	Pacific
3:30 p. m.	2:30 p. m.	1:30 p. m.	12:30 p. m.

WFAA (475.9) Sunday hour for farmers.

Monday, January 11

Eastern	Central	Mountain	Pacific
1:15 p. m.	12:15 p. m.	11:15 a. m.	10:15 a. m.

WEAO (293.9) Timely Economic Information for the Farmer.
WOC (483.6) Those Unborn Pigs—Give Them a Chance.

1:35	12:35	11:35	10:35

KSAC (340.7) Oat Diseases.

1:45	12:45	11:45	10:45

WOI (270) Dairy Production.
WMAQ (447.5) Radio farm school.

2	1	12 n.	11

KFKX (288.3) Those Unborn Pigs—Give Them a Chance.

7	6	5 p. m.	4 p. m.

KSAC (340.7) Purchasing Power of Farm Products. Diseases Common to Sorghums, and Their Control.
WGY (379.5) Agricultural program.

7:45	6:45	5:45	4:45

WSOE (246) Hog Raising.

8:30	7:30	6:30	5:30

KFMQ (299.8) Farmers' night.
WMC (499.7) Talk.
WOI (270) Poultry Course.

8:45	7:45	6:45	5:45

WCCO (416.4) Swine Raising, lesson VI—Sanitation in the Hog Lot.

9:05	8:05	7:05	6:05

KFAB (340.7) Agricultural talks.

9:30	8:30	7:30	6:30

KOAC (280.2) Question box.

9:40	8:40	7:40	6:40

KOAC (280.2) Economical Hog Production in Oregon.

10	9	8	7

KOAC (280.2) Planting and Care of the Potato Crop.

10:15	9:15	8:15	7:15

KOAC (280.2) A Definite Plan Will Solve the Garden Planting Problem.

Tuesday, January 12

Eastern	Central	Mountain	Pacific
11:30 a. m.	10:30 a. m.	9:30 a. m.	8:30 a. m.

KFAB (340.7) Poultry talks.

1:15	12:15 p. m.	11:15	10:15

WOC (428.3) Various Poultry Diseases.

1:35	12:35	11:35	10:35

KSAC (340.7) Sweet Clover Poisoning in Cattle. Selecting Calves for Baby Beeves.

1:45	12:45	11:45	10:45

WMAQ (447.5) Radio farm school.
WOI (270) Animal Husbandry, questions and answers.

2	1	12 n.	11

KFKX (288.3) Infectious Poultry Diseases.

7	6	5 p. m.	4 p. m.

KSAC (340.7) Substitute Value of Different Grains for Hogs. The Dairy Industry of Kansas.

7:15	6:15	5:15	4:15

WKAR (285.5) Agriculture, engineering, soils.

8	7	6	5

WOC (483.6) Answering Questions with Reference to Farm Animals.

Wednesday, January 13

Eastern	Central	Mountain	Pacific
1 p. m.	12 n.	11 a. m.	10 a. m.

WOI (270) The Farmer's Hired Man.

1:15	12:15 p. m.	9:15	8:15

WOC (483.6) The Making of the Dairy Cow.

1:35	12:35 p. m.	11:35	10:35

KSAC (340.7) Alfalfa Improves Hatchability of Eggs. Perennials for the Garden.

1:45	12:45	11:45	10:45

WMAQ (447.5) Radio farm school.
WOI (270) Poultry husbandry.

2	1	12 n.	11

KFKX (288.3) The Making of the Dairy Cow.

2:30	1:30	12:30 p. m.	11:30

KOAC (280.2) Facts About Oregon's Big Wheat Conference.

7	6	5	4 p. m.

KSAC (340.7) Relation of Transportation to Agriculture. Servicing Your Own Car.

9:05	8:05	7:05	6:05

KFAB (340.7) Agricultural talks.

10:30	9:30	8:30	7:30

KWSC (348.6), The Economic Value of the Poultry Industry.

Thursday, January 14

Eastern	Central	Mountain	Pacific
1:15 p. m.	12:15 p. m.	11:15 a. m.	10:15 a. m.

WOC (483.6) Legume Day—Some High Points in Successful Culture.
WOI (270) Better Farm Equipment week.

1:35	12:35	11:35	10:35

KSAC (340.7) Are You Maintaining Your Soil Fertility?

1:45	12:45	11:45	10:45

WMAQ (447.5) Radio farm school.
WOI (270), Farm crops.

2	1	12 n.	11

KFKX (288.3) Clover Seeding—Some High Points in Successful Culture.

Eastern	Central	Mountain	Pacific
7:15 p. m.	6:15 p. m.	5:15 p. m.	4:15 p. m.

WKAR (285.5) Agriculture, engineering and soils.

8:30	7:30	6:30	5:30

WOI (270) Dairyman's short course.

9	8	7	6

WEAO (293.9) Soils.

9:30	8:30	7:30	6:30

KOA (322.4) Farm question box.

Friday, January 15

Eastern	Central	Mountain	Pacific
1:15 p. m.	12:15 p. m.	11:15 a. m.	10:15 a. m.

WOC (483.6) Special farm service day.

1:35	12:35	11:35	10:35

KSAC (340.7) Kansas Alfalfa Seed the Best in the World.

1:45	12:45	11:45	10:45

WOI (270) Agricultural Economics.

2	1	12 n.	11

KFKX (288.3) Special Farm Service Day.
WMAQ (447.5) Radio farm school.

8:45	7:45	6:45 p. m.	5:45 p. m.

WCCO (416.4) Bee Keeping, lesson V—Marketing of Honey.

10:30	9:30	8:30	7:30

KWSC (348.6) Preparing for 1926 Crops.

Markets and Weather

Daily Except Sunday

Eastern	Central	Mountain	Pacific
8:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.

WFAA (475.9) markets.
WOAW (526) markets.

8:45	8:45	7:45	6:45

KDKA (309.1) livestock, grain.

10	9	8 p. m.	7 p. m.

WLS (345) livestock, markets, fruit.
WOS (440.9) hogs.

10:30	9:30	8:30	7:30

KFKX (288.3) livestock, fruit, vegetables, hogs.
KTCL (305.9) weather, sheep, quotations.
WFAA (475.9) markets.
WOI (270) Weather.

10:45	9:45	8:45	7:45

WCCO (416.4) markets.
WMC (499.7) weather, markets.

11	10	9	8

WBAP (475.9) markets, quotations.
WOS (440.9) weather, hogs.

11:15	10:15	9:15	8:15

WTAG (268) markets, weather.

11:30	10:30	9:30	8:30

KFKX (288.3) weather, fruit, vegetables.
WCCO (416.4) markets.
WEAR (389.4) markets, weather.

11:45	10:45	9:45	8:45

WAAW (384.4) Livestock, butter, eggs.

12 noon	11 a. m.	10 a. m.	9 a. m.

KDKA (309.1) weather, livestock, grain.
WBAP (475.9) weather, cattle, grain.
WEAR (389.4) markets, weather.
WHAD (275) weather, markets.
WLS (345) poultry, dairy, hogs, sheep.
WOS (440.0) livestock, poultry, eggs, grain.

12:30 p. m.	11:30 a. m.	10:30 a. m.	9:30 a. m.

KFKX (288.3) livestock, fruit, vegetables, dairy.
WEAR (384.4) markets, weather.
WFAA (475.9) markets.

1 p. m.	12 noon	11 a. m.	10 a. m.

WBAP (475.9) markets.
WHT (400) fruit, weather.
WOS (440.9) livestock, weather.

1:30 p. m.	12:30 p. m.	11:30 a. m.	10:30 a. m.

KTHS (374.8) markets, weather.
WFAA (475.9) markets.
WOAW (526) markets.
WOI (270) Weather, livestock.

1:35 p. m.	12:35 p. m.	11:35 a. m.	10:35 a. m.

KPO (428.3) butter, eggs, cheese, poultry.

1:45 p. m.	12:45 p. m.	11:45 a. m.	10:45 a. m.

KOA (322.4) weather, roads, livestock, poultry.

2 p. m.	1 p. m.	12 noon	11 a. m.

WOC (484) weather, grain, livestock, dairy.
WOS (440.9) grain.

2:15	1:15	12:15	11:15

WAAW (384.4) Grain markets.

2:30 p. m.	1:30 p. m.	12:30 p. m.	11:30 a. m.

WCCO (416.4) markets, weather.
WFAA (475.9) markets.

3 p. m.	2 p. m.	1 p. m.	12 noon

WLS (345) livestock, grain, dairy, fruit, vegetables.
WOS (440.9) livestock, markets, grain.

3:30	2:30	1:30	12:30

WFAA (475.9 markets.
WMC (499.7) markets, weather.

3:50	2:50	1:50	12:50

WWJ (352.7) weather, markets.

4	3	2	1

KFKX (288.3) livestock, wool.
WCCO (416.4) markets.
WCX (517) stock and grain.

4:30	3:30	2:30	1:30

WEAR (389.4) markets, weather.
WFAA (475.9) markets.

5:50	4:50	3:50	2:50

WDAF (365.6) markets, weather, road reports.
WHAS (399.8) markets.

6	5	4	3

KFAU (278) markets, weather.

6:30	5:30	4:30	3:30

KSAC (340.7) markets.

6:45	5:45	4:45	3:45

WIP (508.2) livestock, markets.

6:50	5:50	4:50	3:50

WHAD (275) markets.

7:30	6:30	5:30	4:30

KSAC (340.7) market review.

7:45	6:45	5:45	4:45

KFWA (261) market reports.

8	7	6	5

KFKX (288.3) markets.
KOA (322.4) sheep, markets, livestock, poultry.

9	8	7	6

WAAW (384.4) Marketgrams and talks.

11	10	9	8

WCCO (416.4) weather, grain.

WBAL TO FEATURE BALLAD SINGER

Tuesday, January 12

This lovely lady is Mrs. Inez Main Momm who plays the piano from WTIC, Hartford, at rare intervals. Her latest appearance was Friday, January 8.

studio program; 6, classical program; dinner organ recital; Grayling's string trio; Eleanor Gilmour, soprano; Oscar Heather, tenor; Loftus half hour of music; Alois Bragagnolo, basso; 7:45-9:15 (238), musical features; 9:30 (399.8), Jelke's entertainers; Kitchen Klenzer Klassics; Kenneth Clark's Hawaiian trio; Al Carney, organist; Husk O'Hare's orchestra; 10:10, U. S. L. half hour dance music.

WIBO, Chicago, Ill. (226), 10-11 a. m., shoppers' bureau; 2-4 p. m., shut-in program; 6-8, dinner concert, popular American ballads, Walter Preston; WIBO trio; Bernice Taylor, soprano; Ruth Buhl Flick, reader; 12 m.-2 a. m., jamboree.

WLS, Chicago, Ill. (344.6), 12-1 p. m., Ford and Glenn; 6:30, Ralph Emerson, organist; 7, Ford and Glenn; 7:15, Marshall Boys Glee club.

WLW, Cincinnati, Ohio (422.3), 7:30 a. m., exercises, William Stradtman, Y. M. C. A.; 8, morning devotions, auspices of Parkway Y. M. C. A.; 12:05 p. m., organ concert, Petronella Trimbur; 12:30, Hotel Gibson, Robert Visconti, director; 4, talk, Ralph Schmidt; 4:10, French lesson, Madame Ida Tcimpidis; 7, musical appreciation series, Cincinnati Conservatory of Music; 7:20, Crosley popular science series, "Hunting American Coal Balls," Dr. Hobart Hoskins; 7:30, piano memories, Mary Louise Woseczek; 7:50, talk on dogs, F. W. Avery; 8, Crosley Burnt Corkers; 8:45, musical handshakes, Bob Groenke and Jim Mischler; 9, Formica Insulation company program, William C. Stoess, director.

WMAQ, Chicago, Ill. (447.5), 12:45 p. m., Radio Farm school; 2, shut-in program; 4, Red Cross Home Nursing talk; 4:45, pupils, Rosenfeld school of music; 6, Chicago theater organ recital; 6:30, Hotel LaSalle orchestra; 8, Harry Hansen book talk; 8:20, musical program; 9, lecture, University of Chicago; 9:20, Welsh society; 9:55, University of Chicago chimes.

WMBB, Chicago, Ill. (250), 7-8 p. m., Trianon duo, Genevieve Burnham, program and talk on finance; 9-11, Trianon orchestra, Dell Lampe Woodlawn theater orchestra. Armin F. Hand Scotty Welsh and Madison Sisters, Si Berg, popular program.

WMC, Memphis, Tenn. (499.7), 7:15 p. m., bedtime story; 7:30, health talk; 8:30, Hugh Sanlidge, Court avenue Presbyterian male quartet; 9, Radio auction bridge game, No. 6; 11, Britling cafeteria orchestra.

WOAI, San Antonio, Texas (394.5), 8:30-9:30 p. m., musical program, Gebhardt Mexican players.

WOAW, Omaha, Nebr. (526), 12:45 p. m., Jaffy's string orchestra; 6, classical; 6:50, Jaffy's string quintet; 9, deluxe program; 10:30, Herb Feierman and his Omadala orchestra; 12, Rialto theater alarm; Pete and Repete announcing.

WOC, Davenport, Iowa (483.6), 12:15-12:25 p. m., "Various Poultry Diseases," Prof. A. G. Philips; 3-3:30, Aunt Jane; 5:45-6, chimes; 6:30-6:50, sand man; 7-7:10, "Answering Questions with Reference to Farm Animals," R. E. Patrick; 7:30-8, Gold Dust Twins, WEAF; 8-9, Eveready hour, WEAF; 9-10:45, "Around the World with B. J.," Dr. B. J. Palmer; 10:45-11:45, Mrs. Arthur P. Griggs, contralto; Howard A. Carroll, tenor; John McGreevy, baritone; Louis Crowder, pianist.

WOK, Chicago, Ill. (217.3), 5-7 p. m., Capitol theater organ; Clement Laskowski, tenor; Bob Mokrejs, pianist; George Allen, tenor; 10-1:30 a. m., Bernie Cummin's Town club orchestra; Husk O'Hare's Cocoanut Grove orchestra; Capitol theater program; Bill Hay, bass; George Allen, tenor; Harriet Lee, contralto; Herman Sinaiko, violinist; Bob Mokrejs, pianist.

WOQ, Kansas City, Mo. (278), 8-9 p. m., devotional musical program.

WQJ, Chicago, Ill. (447.5), 11-12 m., "How to Wear a Hat," Mrs. Lillian Russell; "Hotel Salads," Mrs. E. B. Ransom; 3-4 p. m., "Household Helps Exchange," Helen Harrington Downing; "Insurance—An Individual Problem," Mrs. Jane Strohecker; "Holland," Mrs. Harry T. Sanger; 7-8, Ralph Williams and his Rainbo Gardens orchestra; Fontella trio; Everett G. Mitchell, baritone; 10-1, Jerry Sullivan; Rose Vanderbosch, soprano; Hal Lansing, ukulele soloist; Everett George Opie, reader; Bert Davis; Merrill Carder, baritone; Will Rossiter, Daddy of them all; Mary Wade, soprano; Ila Shannabrook, soprano; Romo Vincent, boy baritone; 1-2, Ginger hour.

WRR, Dallas, Texas (246), 12-1 p. m., Mrs. Bera Meade Grimes, pianist; 5:15, bedtime story; 6-7, Jack Gardner's orchestra; 8-9, musical program, Montgomery, the photographer.

WSAI, Cincinnati, Ohio (320), 5:30 p. m., twilight musicale, WSAI; 6:30, musical program, WSAI; 7, Mabley and Carew orchestra, Reuben Lawson, director; 8, Eveready hour, WEAF; 9-9:30, Radio auction bridge, WSAI; 9:30, musical program, Austin Brothers, Hawaiian guitars; 12 m., Hotel Sinton orchestra, Charles Dornberger, director.

WSUI, Iowa City, Iowa (483.6), 12:30 p. m., Clarence Andrews, cornetist; "Sectioning College Classes on the Basis of Ability," Mrs. George Nelson.

Mountain Time Stations

CNRR, Regina, Can. (476), 8 p. m., Kiddies' bedtime story, Aunt Jenny; Belvedere concert orchestra, A. Garvin, Jr., director; Mrs. H. Filton and J. Leathem, vocalists.

KFXF, Colorado Springs, Colo. (250), 8:30-10 p.m., Freeman Dust Absorber musical program.

KOA, Denver, Colo. (322.4), 12:15 p. m., Rialto theater musicale; 3:30, matinee for housewives; 4:15, fashion review; 6:30, Brown Palace string orchestra; 7:30, farm question box.

Pacific Time Stations

KFI, Los Angeles, Calif. (467), 5:30-6 p. m., Examiner matinee; 6, nightly doings; 6:15, KFI's Seeing California; 6:30, Vest pocket program; 6:45, Radiotorial period; 7-8, program arranged by Myra Belle Vickers; 8-9, Examiner program; 9-10, Packard Six dance orchestra; 10-11, Packard Ballad hour with Ashley Sisters, Bud Gore, Billy and Polly Hall, Charlie Cole.

KFOA, Seattle, Wash. (454.3), 6:45-8:15 p. m., Hopper-Kelly company; 8:30-9:30, Times studio program; 9:30-11:30, orchestra.

KFON, Long Beach, Calif. (232.4), 4:30-5 p. m., amusement bulletin; 6-6:30, organ recital, Brayton's theater; 8-9, Press-Telegram program, arranged by Wm. Conrad Mills; 9-11, Long Beach Aero club Hi-Jinks.

KFWB, Hollywood, Calif. (252), 5-6 p. m., children's hour, Big Brother of KFWB; 7, health talk, Dr. W. I. Schuster; 7:15, microphone brevities; 8-9, Warner Brothers Little symphony; Frank Stever, baritone; Starr Russell, blues singer; 9-10, Joe Martin's Studio Six dance orchestra; 10-11, Warner Brothers frolic; Bill Beaudine, famous screen director, as Guest Announcer.

KGO, Oakland, Calif. (361.2), 4-5:30 p. m., concert orchestra, Hotel St. Francis; 5:30, "As a Woman Thinketh," Louise Landis; 6-6:55, dinner concert, Sherman, Clay and company; 8-9, eveready hour, Gough trio, Walter L. Gough, violinist; Florence McCormick, cellist; Emily Ilsley McCormick, pianist; Metropolitan male singers; 9-9:30, Annabelle Jones Rose, contralto; Carrie Jones, accompanist; Dean Scott Donaldson, violinist; 9:30, Auction Bridge feature; 10-11, Hotel St. Francis, Girvin-Deuel's California Collegians.

KGW, Portland, Ore. (491.5), 12:30-1:30 p. m., Rose City trio; 6-7, dinner concert; 7:45-8, talk courtesy, Union Savings and Loan association; 8-10, educational program; bridge; world cartoon on styles; McElroy quartet; 10-12, Indian Grill; Art Kremer, pianist.

KHJ, Los Angeles, Calif. (405.2), 6-6:30 p. m., Leighton's Arcade cafeteria orchestra, Jack Cronshaw, leader; 6:30-7:30, history story, Prof. Hertzog; weekly visit of the Radio Fairies, with Queen Titania, Sandman and Uncle John; Charles Leslie Hill, readings; Lenore Killian, contralto; 7:30, talk on dogs, H. M. Robertson; 8-9:30, program, Greater Eagle Rock club; 9:30-10, Piggly Wiggly Girls' string trio; 10-11, Don Clark's Biltmore hotel dance orchestra.

KMTR, Hollywood, Calif. (238), 5-6 p. m., Citizenship hour with Mammy Simmons, Boy Scouts and Camp Fire Girls; 6-7, Starr Piano company studio; 7:30, "Diamond Mines of Central Africa," E. P. Barclay; 8-10, The Turner orchestra, Loren Powell, director.

KNX, Hollywood, Calif. (336.9), 5-5:30 p. m., Sunny Jim's story; 5:30-6:15, Wurlitzer pipe organ studio, Town Tattler; 6:15, travel talk, W. F. Alder; 6:30-7, Atwater Kent concert orchestra; 7-7:45, feature program; 7:45, health talk, Dr. Robt. T. Williams; 8-9, program, Zinke's Re-Bottoming Shoe company; 9-10, program, Cavalier Shoe stores; 10-12, movie night at the Ambassador, Ray West's Cocoanut Grove dance orchestra.

KTAB, Oakland, Calif. (240), 9-9:30 a. m., prayer service, Rev. G. W. Phillips; 8-10 p. m., Mutual stores.

Wednesday, January 13

Headliners Today

Eastern	Central	Mountain	Pacific
7:30 p. m.	6:30 p. m.	5:30 p. m.	4:30 p. m.
WHO (526) Colored Ladies' quartet.			
8:30	7:30	6:30	5:30
KDKA (309.1) Griffo octet.			
WEEI (348.6) Earl Nelson and his uke.			
WHAS (399.8) Royal Peacock orchestra.			
9	8	7	6
KFMQ (299.8) Arkansas Old Fiddlers' contest.			
KOA (322.4) Sixty-voice boys' choir.			
KTHS (374.8) Solo night.			
WLW (422.3) Cincinnati zither players.			
9:45	8:45	7:45	6:45
WBZ (333.1) Irish airs.			
10:30	9:30	8:30	7:30
KHJ (405.2) Old Timers' program.			
11	10	9	8
KFI (467) Ventura string quartet.			
KPRC (296.9) Lee's Owls.			
11:30	10:30	9:30	8:30
KHJ (405.2) Old Timers' program.			

Index to Classical Concerts

Saturday, January 9

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.
WCX, WEAF, WMCA, WREO.			
7	6	5	4
KGO, KYW, WEAR, WENR, WMAQ, WNYC, WOAW, WOK, WRC.			
8	7	6	5
KDKA, KFNF, KOIL, KSD, KYW, WBBR, WGN, WMBB, WNYC, WOAW, WQJ.			
9	8	7	6
KFOA, KPRC, KHJ, KYW, WHAS, WIP, WLW, WORD, WSAI, WSOE			
10	9	8	7
KNX, KYW, WEAF, WMAQ, WMC, WOAW, WOC, WORD.			
11	10	9	8
KGO.			
12 m	11	10	9
WOAW.			

Sunday, January 10

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.
WCAU.			
7:20	6:20	5:20	4:20
WCAE, WCAU, WEAF, WEAR, WEEI, WJAR, WTAG, WWJ.			
8	7	6	5
KYW, WBZ, WEAR, WGBS, WGCP, WKAQ, WLS, WORD.			
9	8	7	6
KFDM, KPRC, KSD, WBZ, WCAU, WCBD, WCCO, WEAR, WGY, WHAR, WHT, WNYC, WQJ.			
9:15	8:15	7:15	6:15
WEEI, WJAR, WTAG.			
10	9	8	7
KHJ, KNX, KTHS, KYW, WCCO, WFAA, WNYC, WOC, WQJ, WSOE.			
11	10	9	8
KFVE, KHJ, KNX, KPO, KTHS, KYW, WHN, WKRC, WOC.			
12 m	11	10	9
KHJ, KNX, WOC.			
1 a. m.	12 m	11	10
KNX.			

Monday, January 11

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.
KGO, WCX, WEAF, WMCA, WREO, WWJ.			
7	6	5	4
KMA, WCCO, WEAF, WEAR, WHAD, WJR, WOAW, WOK.			
8	7	6	5
KFNF, KSD, WBBR, WBZ, WCAU, WCX, WHAR, WHT, WJAR, WLW, WMBB, WTAG, WTIC.			
9	8	7	6
KFOA, KGO, KHJ, KPRC, WBBR, WCCO, WBZ, WCAE, WEEI, WHAD, WHO, WJAR, WLW, WORD, WOS.			
10	9	8	7
KMA, KPO, KPRC, KSD, KTHS, WCCO, WEAF, WHAD, WJAR, WOAW, WSUI, WTAG.			
11	10	9	8
KGW, KHJ, KMA, KSD, KTHS, KWSC, WHN, WSAI.			
12 m	11	10	9
KGW, WBAP, WSAI.			
1 a. m.	12 m	11	10
KHJ.			

Tuesday, January 12

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.
WBZ, WCX, WEAF, WMCA, WREO, WWJ.			
7	6	5	4
KGO, KMA, WEAR, WEBJ, WGBS, WHAD, WJR, WMAQ, WOAW, WOK, WOR, WTIC, WWJ.			
8	7	6	5
KFNF, KSD, KYW, WBZ, WCAE, WCAU, WCX, WEAR, WEEI, WGR, WHAR, WHT, WLS, WMBB, WQJ, WRC, WTIC.			
Eastern	Central	Mountain	Pacific
9 p. m.	8 p. m.	7 p. m.	6 p. m.
KFDM, KFOA, KGO, KHJ, KLDS, KYW, WCAE, WCBD, WCCO, WEAF, WEEI, WGR, WHAS, WJAR, WLW, WMAQ, WOC, WORD, WTAG.			
10	9	8	7
KFAB, KFDM, KFMQ, KMA, KNX, KPRC, KTHS, WCAE, WCCO, WEAF, WEAR, WEEI, WLW, WMCA, WOC, WSAI, WSOE, WTAG.			
11	10	9	8
KGO, KHJ, KMA, KYW, WSAI.			
12 m	11	10	9
KPO, KYW, WHO, WMC.			

Wednesday, January 13

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.
WCX, WEAF, WMCA, WREO, WWJ.			
7	6	5	4
KGO, WEAR, WHAD, WJR, WMAQ, WOK, WTIC.			
8	7	6	5
KFNF, KPRC, KSD, KYW, WBZ, WCX, WEAF, WEEI, WHT, WLW, WMBB, WMCA, WQJ, WTAG, WWJ.			
9	8	7	6
KFOA, KGO, KPRC, KSD, KYW, WBZ, WCCO, WDAF, WEEI, WGR, WHAD, WHAS, WJAR, WMAQ, WOR, WOS, WORD.			
10	9	8	7
KFMX, KMA, KNX, KTHS, WCCO, WEAF, WEEI, WGR, WHAD, WJAR, WLS, WMAQ, WNYC, WOC, WSOE.			
11	10	9	8
KGO, KGW, KMA, KPO, KTHS, WCAE, WLS, WLW, WOC, WSAI.			
12 m	11	10	9
KGW, KPO, WHAD, WLW.			
1 a. m.	12 m	11	10
WLW.			

Thursday, January 14

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.
WBZ, WCX, WEAF, WIP, WMCA, WREO, WWJ.			
7	6	5	4
KGO, KSD, WEAF, WEAR, WGBS, WHAD, WJR, WMAQ, WOAW, WOK, WWJ.			
8	7	6	5
KYW, WBBR, WBZ, WCAU, WCCO, WCX, WEAR, WEEI, WGR, WGY, WHAR, WHT, WLS, WLW, WMBB, WOAW, WQJ, WTAG, WTIC.			
9	8	7	6
KHJ, KLDS, WBAP, WCAE, WCAU, WCBD, WCCO, WEAF, WEEI, WGR, WHAR, WHAS, WJAR, WNYC, WOC, WORD, WRC, WASI, WSB, WTAG.			
10	9	8	7
KNX, KPRC, KTHS, KYW, WGR, WGY, WHAD, WMC, WOAW, WOC, WSAI.			
11	10	9	8
KGO, KPO, KTHS, WBAP, WKRC.			
12 m	11	10	9
KGW, KPO, WHO, WKRC.			

Friday, January 15

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.
KGO, WCX, WMCA, WREO, WWJ.			
7	6	5	4
KGO, WEBJ, WGY, WHAD, WJR, WMAQ, WOAW, WOK, WOR, WTIC.			
8	7	6	5
KYW, WAHG, WBZ, WCAU, WCX, WEBJ, WEEI, WHT, WLS, WQJ, WWJ.			
9	8	7	6
KFDM, KFNF, KFOA, KGO, KHJ, KSD, KYW, WBAP, WBZ, WCAU, WDAF, WEEI, WHAD, WJAR, WMAQ, WMCA, WSAI.			
10	9	8	7
KFAB, KFDM, KOA, WCCO, WHAD, WMAQ.			
11	10	9	8
KFMX, KHJ, KNX, KPO.			
12 m	11	10	9
KPO.			

Wednesday, silent night for: CHIC, CKNC, CNRA, CNRC, CNRE, CNRM, CNRR, CNRT, CNRV, KFAU, KFDM, KFEQ, KFMQ, KFXF, KGO, KLDS, KOB, KTAB, WBAL, WBBR, WCAD, WCBD, WEBW, WFAA, WGBS, WGCP, WGST, WHAR, WHAZ, WIP, WJAZ, WMC, WOAI, WOAW, WOI, WPG, WRC, WREO.

Eastern Time Stations

CNRO, Ottawa, Can. (435), 7 p. m., children's half-hour, Aunt Bessie; 8, Chateau Laurier concert orchestra; 8:45, instrumental trio; Mrs. Stafford Salmon, contralto; Emile Richard, pianist; George White, tenor; Henri Davidson, violinist; Arthur Richard cellist; Chateau Laurier dance orchestra.

KDKA, Pittsburgh, Pa. (309.1), 7:15-8 a. m., morning exercises, O. Shannon, 5:45 p. m., KDKA Mailbox, Postman Dan; 6:30, dinner concert; 8:15, "Maintaining a Safe Milk Supply," Charles G. Ning; 8:30, concert, Griffo octet; harp soloist.

PWX, Havana, Cuba (400), 8:30 p. m., General Staff band, Captain Jose Molina Torres, leader.

WBZ, Springfield, Mass. (333.1), 6:30 p. m., KDKA Little symphony; 7:30, Radio nature league, Thornton W. Burgess; 8, Hotel Kimball dance orchestra; 8:30, motion picture talk, George M. A. Fecke; 9, S. A. I. sorority, New England Conservatory of Music; 9:30, Martha Carrington, pianist; 9:45, Irish songs, Francis O'Donnell; 10:05, Leo Reisman's Hotel Brunswick orchestra.

WCAP, Washington, D. C. (468.5), 6:45-7:45 a. m., Tower health exercises, WEAF; 7-11 p. m., program; Radio auction bridge game; Ipana troubadours, WEAF; musical program by Roxy and his gang.

WCAU, Philadelphia, Pa. (278), 6:45 p. m., Parodians dance orchestra; 8, health talk; 8:10, Papa Bailey and his bunch; 9, Rigo's Royal Gypsy band; 9:30, Jones' Jolly Four; 10, Lew Chapman's Inter-Fraternity dance orchestra; 10:30, White Strickland, the "poetician"; 10:45, Frank Cooke, songs; 11, Artie Bittong and his cheer-ups.

WCX, Detroit, Mich. (516.9), 6 p. m., dinner concert, Book-Cadillac hotel; 8, studio program.

WEAF, New York, N. Y. (491.5), 6:45-7:20 a. m., Tower health exercises; 10:45-12:20 p. m., Betty Crocker Gold Medal Flour home service talk; musical program; lecture on home management, Columbia university; Chapel service, Columbia university; 4-5, artists; 6-7, dinner music, Hotel Waldorf-Astoria; 7-11, concert, U. S. Army band; Pooley concert; Ipana troubadours; Roxy and his gang; 11-12, Ben Bernie and his orchestra, Hotel Roosevelt.

WEAR, Cleveland, Ohio (389.4), 11 a. m., Betty Crocker home service; 11:30, farm talk; 7 p. m., Hotel Cleveland orchestra, direction Ivan Francisci.

WEEI, Boston, Mass. (348.6), 7:45 a. m., morning watch from Estey organ studio; 3 p. m., Johnnie Bowles and his orchestra; 5:40, Chet Frost and his original Bostonians; 6:45, Big Brother club; 7:30, Wilfred academy program; 8, musicale; 8:30, Earl Nelson and his uke; 9, Ipana Troubadours, WEAF; 10, Roxy and his gang, WEAF.

WFI, Philadelphia, Pa. (394.5), 10 a. m., menu talk; 10:30, solos; 1 p. m., Rotary club luncheon, Dr. Julius Kline, speaker; 3, Loretta Kerk, pianist; 6:30, Bellevue-Stratford concert orchestra; 7, Bellevue-Stratford dance orchestra.

WGCP, New York, N. Y. (252), 12:30 p. m., race results; 3, Henry Rogers, pianist; 3:15, Bobby Grey, songs; 3:30, Lillian Rubin, soprano; 3:45, Morris Zimmerman, violinist; 3:55, Dr. J. L. Schwarz, dental talk; 4:30, Jeanne A'Dair, composer; 4:45, Charlotte Trystman pianist; 5:15, Bert Dixon, baritone; 6:30-7:30, Cheatham's band; 7:45-8, Kennedy Harmony group; 8, Hock and Jerome, songs; 8:15, Charol de Thomee, pianist.

WGR, Buffalo, N. Y. (319), 2:30 p. m., WGR's afternoon program; 6:30, Gospel Melodists; 8:15, address "Roadside Tree Planting," C. S. Bley, Hamburg, N. Y.; 8:30, Davis saxophone octette; 9, jointly with WEAF, Ipana Troubadours; 10, popular program Wills Wallpaper store, Tonawanda; 10:30, popular program featuring Charles Duff, Niagara Falls, Ont; 11, Vincent Lopez Hotel Statler dance orchestra, Harold Gieser, director.

WHN, New York, N. Y. (361.2), 7-7:30 p. m., Ted Lewis and his orchestra; 7:30-8, Burr McIntosh "The Cheerful Philosopher;" 8-9, Calvary Baptist church services; 10-10:30, Roseland dance orchestra; 10:30-11, Jack Dinny's Frivolity orchestra; 11-11:30, Silver Slipper orchestra; 11:30-12, Sidney Claire, Lew Brown and Al Shayne, songs; 12-12:30 a. m., Cotton club orchestra; 12:30-1, Harry Richman and his entertainers.

WIP, Philadelphia, Pa. (508.2), 6:45 a. m., setting-up exercises; 7, setting-up exercises; 10:30, reducing exercises; 1 p. m., Gimbel tea room orchestra; 3, artists' recital; 6:05, Benjamin Franklin concert orchestra; 7, Uncle Wip's bedtime stories.

WJR, Pontiac, Mich. (516.9), 7 p. m., Jean Goldkette's Petite symphony orchestra; 7:45, Good Will Oakland, harmonic balancer; 9, Jean Goldkette's serenaders; 11:30, Jewett Jesters, Merry Old Chief.

WKAQ, San Juan, P. R. (340.7), 7-9 p. m., musical selections, Municipal band; Prof. Manolo Tizol, conductor

WLIT, Philadelphia, Pa. (394.5), 12:02 p. m., daily almanac; Stanley theater organ recital; Arcadia Cafe concert orchestra; 2, Arcadia Cafe concert orchestra; 7:30, Dream Daddy's bedtime stories; 8, Arcadia Cafe concert orchestra; 9, Jewish Welfare Drive concert; 10, Arcadia Cafe dance orchestra.

WMCA, New York, N. Y. (340.7), 6-6:30 p. m., Olcott Vail and his Hotel McAlpin string ensemble; 6:30-7:30, Ernie Golden and his Hotel McAlpin orchestra; 7:30-7:45, talk on footwear; 8-8:15, standard statistics; 8:15-9:15, Northminster church services; 11-11:30, Hofbrau Haus entertainers; 11:30-12, Jack Denny's orchestra.

WNYC, New York, N. Y. (526), 6:30 p. m., Spanish lessons; 7:35, Bernard's New York Six; 8:30, concert program; 10:10, lecture.

WOO, Philadelphia, Pa. (508.2), 11 a. m., organ recital; 12 n., Golden's Crystal tea room orchestra; 4:45 p. m., organ recital; 7:30, Hotel Sylvania orchestra; 8, U. S. Army band; 8:30, Davis Saxophone octet; 9, WOO American male quartet; 9:25, address, Rev. Forest Dager; 10, Fox theater studio program; 10:30, Hotel Sylvania dance orchestra.

WOR, Newark, N. J. (405.2), 6:15 p. m., "Words Often Mispronounced"; 6:30, Bill Wathey; 6:45-7:15, Jacques Jacobs' Hotel Shelton ensemble; 7:30-7:45, Zit's Casino orchestra; 8, topics of the day; 8:30, Ballin and Race, piano duo; 9:15, "Rustic Speeceh and Folk Lore," Dr. Frank H. Vizetelly; 10, Newark evening news; 10:45, Hotel Pennsylvania orchestra.

WRC, Washington, D. C. (468.5), 10 a. m., women's hour; 12 m., Gertrude Smallwood, organist; 1 p. m., Lee House trio; 4:15, Meyer Davis' Le Paradis band; 6, "Things Talked About," Mrs. Nina Reed; 8, WRC's Foolish entertainers.

WREO, Lansing, Mich. (285.5), 6-7 p. m., Speed-Wagon serenaders; Gold Standard ensemble.

WTAG, Worcester, Mass. (268), 10:30 a. m., musical selections; 10:45, talk to housewives, Mrs. Lydia Flanders; 12:05-2 noonday luncheon music; 7, talk, Robert K. Shaw; 7:15, "The Twinkle Twinkle Story Teller;" 7:30, talk, Harold Whitehead; 7:45, Spanish lesson, Mrs. John De la Farra; 10-11, Roxy and his gang.

WTIC, Hartford, Conn. (475.9), 6:30 p. m., children's hour; 6:50, dinner music; 10, dance music, Hotel Bond orchestra.

Now that WFBL, Syracuse, and WGY, Schenectady, are connected by a special wire, these two cities are able to exchange artists. Geraldine Arnold, a concert pianist of Syracuse, is one of the recent additions, through this arrangement, to WGY's programs.

ARKANSAS FIDDLERS THROUGH KFMQ

Wednesday, January 13

WWJ, Detroit, Mich. (352.7), 7:30-8 a. m., setting-up exercises; 9:30, tonight's dinner and special talk; 12:05 p. m., Jules Klein's Hotel Statler orchestra; 2, Detroit News orchestra; 6, dinner concert; 8, Detroit News orchestra and soloists; 9, dance program; 10, Roxy and his gang, WEAF.

Central Time Stations

CKY, Winnipeg, Canada (384.4), 7:30 p. m., CNRW program.

CNRW, Winnipeg, Man. (384.4), 7:30 p. m., Aunt Aimee's bedtime story; 7:50, farmers' service talk; 8, musical program, Ft. Garry hotel orchestra, Irvine Plumm, director; 8:40, old time songs, Gate City quartet; Kathleen Daly, soprano; Emile Mignacca, violinist; 10, supper-dance program, Irvine Plumm and his Fort Garry hotel orchestra; Al Kilgour, soloist.

KFAB, Lincoln, Nebr. (340.7), 5:30-6:30 p. m., dinner concert; 8:30-10:30, Belshaw's orchestra; Meraldine Schmidt, blues singer; Slick Merriam, pianist and vocalist; Waikiki trio, Hawaiian entertainers; Ralph Hall, banjo and vocal soloist; Olive Fletcher and Ruby Teater, pianist; Wendell Hall, Red Headed music maker.

KFKX, Hastings, Nebr. (288.3), 1 p. m., "The Making of the Dairy Cow," C. H. Eckles; 5:30, KDKA dinner concert; 9, KFKX Lincoln studio.

KFNF, Shenandoah, Iowa (266), 7 p. m., concert, Henry Field Seed company.

KFVE, University City, Mo. (240), 9:15 p. m., amusement review; Paul and Jack Snyder; Orchestra Romaine.

KMA, Shenandoah, Iowa (252), 11:30-12:30, noonday rural program; garden talk, Earl E. May; music; 5:30, talk, G. H. Van Houten; 6-7, domestic science talk; Le Ona Teget; 9-11, program, Blockton public schools.

KPRC, Houston, Texas (296.9), 12 m., Lions' club luncheon program; 5:30 p. m., Uncle Judd's kiddies' hour; 7:30, Fatty Martin's End O'Main dance orchestra; Mark Westcott, vocal entertainer; 8:30, Rice Institute student band, Lee Chatham, director; 12 m., Lee's Owls; Rice Owls vocal trio.

KSAC, Manhattan, Kan. (340.7), 9-9:25 a. m., music, inspirational talks, agricultural primer, calisthenics; 9:55-10:25, readings, backyard gossip, question box, planning today's meals; 12:35-10:05 p. m., readings, question box; "Alfalfa Improves Hatchability of Eggs," J. H. McAdams; "Perennials for the Garden," A. J. Schoth; 4:30-5, basketball lecture; 6:30-7:30, sports, inventions; Extension credit course, "Agricultural Journalism"; Extension course, "Relation of Transportation to Agriculture," F. F. Frazier.

KSD, St. Louis, Mo. (545.1), 7 p. m., fur hour program, Hotel Statler orchestra; 8, WEAF chain "Good Will" program, WEAF.

KSO, Clarinda, Iowa (241.8), 12:30-1:15 p. m., farm talk; 7-7:30, Sellards orchestra; 7:30, music.

KTHS, Hot Springs National Park, Ark. (374.8), 12:30-1 p. m., homefolks hour; 9-9:45, Lon Chassy, violinist; John G. Heyn, pianist; Edward Richter, cellist; Toni Cochard, cornetist; Charles Garden saxophonist, Lawson Reid, organist; 9:15-10:30, Southerners' dance orchestra.

KYW, Chicago, Ill. (536), 6:30-7 a. m., morning exercises, Paul A. Leonhardt; 7:30, morning family worship, Y. M. C. A.; 11:35, table talk, Mrs. Anna J. Peterson, Peoples Gas company; 12:05 p. m., concert; 1, luncheon concert, Congress hotel; 6, dinner music, KDKA; 7:05, bedtime story, Walter Wilson; 7:30, music program, KYW; 8, musical program, Congress hotel; 10, midnight revue, KYW, Paul Ash and his orchestra, McVickers theater; 10:10-11:10, Sanders original Nighthawks; 12, Henri A. Keates, organologue, McVickers theater; 1, Insomnia club, Congress hotel.

WAMD, Minneapolis, Minn. (243.8), 12 n., classical program, Stella Lund, soprano, Donald Mensing, violin, Charles Sandberg, baritone, Grace Hawley, accompanist, Violet Tangren, contralto, Gladys Bell, accompanist; 7 01 p m., Garrick theater symphony orchestra, Fred Heiseke, director; 7:05, talk; 7:10, Beata Hanson, violin, Mrs. Hanson, accompanist, William Erickson, tenor, Amy Hedbur, accompanist; Joy Nichols, soprano, 11, George Osborn's Hotel Radisson Skyrockets.

WBBM, Chicago, Ill. (266), 4-6 p. m., Valentino inn orchestra, artists; 8-10, string trio; Moulin Rouge orchestra; 12-2, artists; Two Jays.

WBCN, Chicago, Ill. (266), 10-10:30 a. m., Penny Wise, the shopper's ready helper, shopping talk; 7-8, classical hour; Emily Stone, violinist; Ada Mae, tenor; Ethel Eaves Price, soprano; Alice McMahon Stone, accompanist; Lemmyon Amoureaux, French tenor; Ethel Eaves Price, soprano; Alice McMahon, contralto; Margaret McArthur, pianist; John Williams, baritone; 10-1 a. m., Elmer Jordan & Co., Owl matinee.

WCCO, Minneapolis-St. Paul, Minn. (416.4), 2 p. m., woman's hour; 2:30, afternoon concert; 4, readers club, Eleanor Poehler; 7, midweek church service; 8, Ipana Troubadours, WEAF; 9, traffic safety talk, Nettie M. Strate; 10 05, Dick Long's Nankin cafe orchestra; 11:30, Eddie Dunstedter, organist.

WDAF, Kansas City, Mo. (365.6), 6-7 p. m., The Tell Me a Story lads; address, Health Conservation association; address, Ralph E. Herrick; music, The Tilanon ensemble, Hotel Muehlebach; 8-9, program, Mt Washington, Mo; 9-10, classical program, Starr string ensemble; 11:15-1, The Plantation players, Hotel Muehlebach; Eddie Kuhn's orchestra, Kansas City Athletic club.

Boys tuning in for the 5:30 p. m. pacific time program Thursdays, at KGO, Oakland, will be interested in this picture of George Ludlow, who is called "Friend to Boys."

WDOD, Chattanooga, Tenn. (256), 6:30-7 p. m., organ music, Tivoli theater; 7-8, Hotel Patten orchestra; 8:15, special features and program.

WEBH, Chicago, Ill. (370.2), 11:30 a. m., women's half hour; 3-4 p. m., special features; 7, Edgewater Beach Oriole orchestra, dinner concert; 8, Frank Greif, tenor; 9, Edgewater Beach Oriole orchestra, dance selections; Florence Behrend, soprano; 10, Frank Bordner, baritone; 11, Oriole orchestra, dance selections; Irene Beasley, "The Girl from Dixie"; 12:30, Howard Neumiller, pianist; Florence Behrend, soprano; impromptu revue, Oriole orchestra.

WENR, Chicago, Ill. (266), 6-7 p. m., dinner concert, Rauland-lyric trio; vocal selections; Russell Hendrickson, cellist; 8-10, All-American Pioneers; J. E. Peterson, basso; Claire Gorska Geise; banjo solos; Archie Rawls, tenor; Art Bilquist, popular songs; Helen Hart; soprano; 12-2 a. m., midnight frolic, All-American Pioneers; twin piano duets; vocalists, pianologues.

WGES, Oak Park, Ill. (250), 5-7 p. m., Betty Bebb and Helen Cameron, vocal duo; McDevitt sisters, pianists; Tiffin theater organ and orchestra; 8-9, Ethel Giese, soprano; Ruth Kalthoff, contralto; Peter Mathews, basso; John Stamford, tenor; Tiffin theater organ and orchestra; 11-1 a. m., Phillips twins, vocal duo and ukulele soloists; Tiffin theater organ and orchestra; Serenaders; Morris Hoffman, tenor.

WGN, Chicago, Ill. (302.8), 11-11:30, household hints; 11:30-12, discussion of fashions; 12-12:40, public service period; 12:40-2:30, luncheon concert, Drake concert ensemble and Blackstone string quintet; 2:30-3, Lyon and Healy artist series; 3-3:25, public service period; bridge game; 3:25-3:30, Port O'Missing Men; 3:30-4:15, tea time music, Marshall Field tea room orchestra; 4:30-5, organ recital, Edward Benedict; 5:30-5:57, Skeezix time; 6:30-7, dinner concert, Drake concert ensemble and Blackstone string quintet; 8-9, Roxy, WEAF; 9-10, popular program; 10-11, dance program.

WHAD, Milwaukee, Wis. (275), 11 a. m., pianologue, Andy Hertel; the Housewife; 4 p. m., "With the Humorists," John R. Wolfe; Mrs. Marie Weiss, pianist; Linda Hering, saxophone; 6:15-7, Arthur Richter organist; 10:30-11:30, popular dance hits, Dexter's Wisconsin and Elger's Creole roof orchestras; 11:30-12:30 a. m., Edmund Fitch, organist.

WHAS, Louisville, Ky. (399.8), 1-2 p. m., concert, Barney Rapp's orchestra; 3-3:30, organ recital, Mrs. Myrtle Fulks Zahn, Jr., at the Alamo theater; 4-5, musical selections, Harry S. Currie, director, assisted by Leroy Hobb; readings, choice editorials; 7:30-8:30, concert, Royal Peacock orchestra; Richard Kent, director, Myron Schulz, Lyst Reynolds, managers.

WHB, Kansas City, Mo. (365.6), 2-3 p. m., ladies' hour program, Morrell Moore, organist; 7-8, Mabe Finely trio; "Starting around the World," Dr. James W. Fifield; Mona Motor Oil Cars; "My Golden Dreams," Don Anchors, poet; Automotive lesson, John Burns.

WHO, Des Moines, Iowa (526), 6:30-7:30 p. m., Reese Hughes orchestra; 7:30-9, Kate Miller, whistler; Maude Hughes, accompanist; Colored Ladies' quartet; artists, Capitol theater; Harry Lewis, popular soloist, Howard Chase, accompanist; 9-11, dance program, Cotillion ballroom.

WHT, Chicago, Ill. (399.8), 10 a. m., Jean Sargent's program, woman's club, Borden health talk, Jelke Good Luck Girl studio music; 10:45 Betty Crocker home service; 11, special studio features; 12 p. m., Al Carney's compliments organ hour; 1-2, special studio program, Grayling string trio; 6-7 30, classical program, dinner organ recital, Pauline Sachs, Phyllis Burton, violinist; Pauline Peeble, pianist; Jean Carlson, soprano, Hugh Aspinwall, tenor; Grayling string trio; 7 15-9 15 (238), musical feature; 9 30 (399.8), Borden request organ recital, Hickes and Johnson, harmony; Carl Strudel, baritone, Leola Leahe, soprano, Irene Beasley, the Girl from Dixie; Nafftzland trio, Vic Fredericks, baritone; Charles R. Hall, tenor; Badger Four male quartet; Ray Lawson, tenor; 12, Pat Barnes and Al Carney.

WIBO, Chicago, Ill. (226), 10-11, shoppers' bureau, Grace Viall Gray; 2-4 p m., popular hut-lo program, 6-8, dinner concert, Walter Preston; WIBO trio, Florence Osterman, contralto; Christopher Hendrix tenor; 10-12, popular program, Erwin Cornelius, Hick and Johnson, Marie Wright, Lenore Friedman, Pearl Holzman, Prof Black.

WLS, Chicago, Ill. (344.6), 12:30-1 p. m., Ford and Glenn; 6:30, Ralph Emerson, organist; 7, Ford and Glenn; 7 15, WLS trio; 7 45, Breakfeaver program, 8 15, WLS theater; 8 45, Berean church choir; 9 00, Ford and Glenn; 10, mid-week feature; 11, WLS chimes.

WLW, Cincinnati, Ohio (422.3), 7:30 a. m., exercises, William Stradtman, Y M C A; 8, morning devotions, auspices of Parkway Y M C A; 12 05 p m., Irene Downing, pianist; 3 30, Crosley Cooking school, Mrs Ralph H Auch, 4, chat in progress, William Doming; 7, dinner hour concert, Hotel Gibson, Robert Visconti, director; 7 30, talk, representative of the Ohio Farm Bureau federation; 7 40, Hotel Gibson concert; 8, Tenth Infantry band, Ft Thomas, Ky., E. G. Fischer, director; 9, Cincinnati Zither players; 10, sixth in a series of pep concerts, Alpha Tau Omega fraternity; 10 50, The Tridan instrumental trio; 10 45, reading, Charles Meade; 10 55, The Crosley male quartet; 11 15, Crosley mineral news, Johanna Grosse, organist; 11 40, pianologue, Carl Bamberger; 12, midnight request program, Johanna Grosse, organist.

WMAQ, Chicago, Ill. (447.5), 12:15 p. m., Radio farm program, Sante Fe Railway company, Old Timer's program with Uncle Remus, Gladys Blackwell Pickering, soprano and others; 10:30-11:30, Don Clark's Biltmore hotel dance orchestra.

WSM, Nashville, Tenn. (282.8), 6:30 p m., Francis Craig and his orchestra; 7, WSM bedtime story, 8, program, Joe Combs and artists; 10, studio program.

WSUI, Iowa City, Iowa (483.6), 9 9:30 a m., high school assembly program, 12:30 p m., Mrs Edna L. Hostetler, soprano; "The Great Albatross Rookeries of Laysan," Prof. C. C. Nutting, 8, Mrs. Alexander Eliet,, soprano.

WOAI, San Antonio, Texas (394.5), 3 p. m., musical program; 8:30-9:30, Army night, musical program, Ft Sam Houston.

WOAW, Omaha, Nebr. (526), 12:45 p. m., Phyllis Griswold, organist.

WOC, Davenport, Iowa (483.6), 12 15-12 25 p. m., "The Making of the Dairy Cow," Prof. C. H. Eckles; 3-3:30, Aunt Jane; 4-4:45, Fay Paarman, pianist; A. E. Edwards, baritone; Bernard Monroe, violinist; 6:30-6:50, bedtime stories; 6:50-7, "Modern Method of Salting and Smoking Meat at the Same Time," Yewell Rice; 9-10, Erwin Swindell, organist; May Chambers, soprano.

WOK, Chicago, Ill. (217.3), 5-7 p. m., Capitol theater organ; Ed Kemp, tenor; Bob Mokreys, pianist; Bivee Talbot, baritone; 10-1:30 a. m., Bernie Cummins' Town club orchestra; Capitol theater program; Ned Miller, tenor; Harriet Lee, contralto; Herman Sinaiko, violinist; George Allen, tenor; Bob Mokreis, pianist.

WOS, Jefferson City, Mo. (440.9), 8 p. m., address: "What is the School Trying to Do?", Charles A. Lee, superintendent public schools; varies musical program, Lincoln university band; readings, Homer A. Harris.

WQJ, Chicago, Ill. (447.5), 11-12 m., fish dinner, Frank Wendt; "The Middle Aged Woman," Dr. Lena K. Saddler; 3-4 p. m., "Cake for Dessert," Helen Harrington Downing; "Meat Substitutes," Jean K. Rich; 7-8, Ralph Williams and his Rainbo Gardens orchestra; program, Herman J. Techentine, baritone; 10-1 a. m., Ralph Williams and his Rainbo Skylark-Melodians; Clarence Theders, tenor; J. Edwin Peterson, bass; George Thurn, kazoo soloist; Harry Kendall, guitarist; Thelma Peffetle, soprano; Joey Stool, tenor; Eddie Vogel, baritone; 1-2, Ginger hour.

WSAI, Cincinnati, Ohio (326), 7 p. m., chime concert; Robert Badgley; 7:15, art talk, Cincinnati Art club; 7:30, Davis saxophone octet, WEAF; 10, talk, Dean Herman Schneider, College of Engineering and Commerce; 10:15, program. The Congress playing card string quartet.

Atwater Kent Program, January 10, over WEAF and Chain*

Artists will be Paul Althouse, tenor, and Arthur Middleton, baritone.

I

Aria from "Forza Del Destino".....Verdi

Althouse and Middleton

II

"The Horn".....Slegier

Arthur Middleton

III

a. "Thou Art Risen".....Coleridge Taylor
b. "Hawaiian Love Song".....Bennett
c. "Great Awakening".....Kramer

Paul Althouse

IV

"Largo Al Factotum" from "Barber of Seville".....Rossini

Arthur Middleton

V

"O Paridiso!" from "L' Africaine".....Meyerbeer

Paul Althouse

VI

a. "The King Went Forth".....Koeneman
b. "Tally Ho".....Leonie
c. "Danny Deever".....Damrosch

Arthur Middleton

VII

"Cielo e Mar" from "La Gioconda".....Ponchielli

Paul Althouse

VIII

"Pearl Fishers".....Bizet

Althouse and Middleton

*The WEAF chain for the Atwater Kent hour (9:15 p. m., eastern, 8:15 p. m., central time) includes WEAF (491.5), WGR (319), WCAE (461.3), WCAP (468.5), WJAR (305.9), WTAG (268), WGN (302.8), KSD (545), WCCO (416.4), WOC (483.6), WOO (508.2), WSAI (326), WEEI (348.6).

Mountain Time Stations

KOA, Denver, Colo. (322.4), 12:15 p m., Rialto theater melodies; 6:27, National Farm Radio council talk; 6:30, Brown Palace String orchestra; 7:30, Book of Knowledge; 8, Co-operative club, boys choir, L. H Baxter Rinquest, director; Mr. Nina Churchet Thomson, soprano Mr. Morris J. Krohn, contralto; William Westervelt, tenor Assyrian trio Charles M White, Scotch songs, First Baptist church quartet; talk, Herbert G. Brown.

Pacific Time Stations

KFI, Los Angeles, Calif. (467), 7:30-8 p m., Examiner matinee, 6, hourly chimes, 6:15, KFI Sterling California; 6:30, vocal lesson practice, 6:45, Radio torial period, 7 7:30, Nick Harris detective stories, 7:30-8, Emma Kimmell, soprano, Frank Berry, tenor 8-9, program, Ventura Revere, company, Ventura string quartet; 9 10, Lawrence program; 10-11, Patrick Marco dance orchestra, Ben Patrick, soloist.

KFOA, Seattle, Wash. (454.3), 6:15-8:15 p m., Sherman Clay and company, studio program; 8:30-10, Three Arts program.

KFON, Long Beach, Calif. (232.4), 1:30-5 p. m., amusement bulletin, 6:30 chimes recital, Braxton theater, 8-9, Press Telegram program arranged by L. D. Lee.

KFWB, Hollywood, Calif. (252), 5:6 p m., children's hour, Big Brother of KFWB 7 7:30, Mutual Motor milrth contest, 7:30-8 saxophone ensemble, 8-9, program, Chase Neal Coffee company, Mandell Hour Coffee string quartet, Harry Lauder banter, Lee Kent and her ensemble, Clarence Bennington, tenor; 9-10, Steam program of popular music 10-11, Warner Brother Club, director Charley Wellington.

KGO, Oakland, Calif. (361.2), 5-6 p. m., Zilpha Allen pianist, organist Wolfsen Institute, Emma Sheet Soprano, California orchestra, 4-5:30, concert orchestra Hotel St Francis, 6:45, dinner concert Stewart Chandler and company, Sherman Clay and company.

KGW, Portland, Ore. (491.5), 7:15 a m., physical culture exercises, 10:20, health talk, 12:20-1:30 p m., Rose city trio, 6-7, dinner concert, 8-9, Western Auto Supply company; 10-11, Sherman, Clay and company.

KHJ Los Angeles, Calif. (405.2), 6:45-8 p m., Leighton's Ambassador cafeteria orchestra, Jack Cronshaw, leader, 7:30-8 Times-Mirror program, Ted Henning, Dick Wilson, interview reporter, Music, Milton Berle, Bill Moore, Vivian Moncrief, Camille Johnson, Uncle John; 8, Dr. Mary Baumgardt, scientific lecturer; 8:30-10:30, school: 1, Chicago Association of Commerce luncheon; 2, shut-in program; 4, recipes, Mrs. E. O. Hiller; 4:30, pupils, Cosmopolitan School of Music; 6, Chicago theater organ recital; 6:30, Georgene Faulkner; 8, lecture, Northwestern university; 8:30, musicale; 9, WMAQ players; 9 55, University of Chicago chimes.

WMBB, Chicago, Ill. (250), 7-8 p. m., Trianon duo; M. Matthews, contralto; program and talk on finance; 9-11, Trianon orchestra, Dell Lampe, Woodlawn theater orchestra, Armin F. Hand, Cecil and Esther Ward Billie Allen Hoff, Scotty Welsh and Madison Sisters, popular program.

WOAW, Omaha, Nebr. (526), 12:45 p. m., Phyllis Griswold, organist.

WOC, Davenport, Iowa (483.6), 12 15-12 25 p. m., "The Making of the Dairy Cow," Prof. C. H. Eckles; 3-3:30, Aunt Jane; 4-4:45, Fay Paarman, pianist; A. E. Edwards, baritone; Bernard Monroe, violinist; 6:30-6:50, bedtime stories; 6:50-7, "Modern Method of Salting and Smoking Meat at the Same Time," Yewell Rice; 9-10, Erwin Swindell, organist; May Chambers, soprano.

WOK, Chicago, Ill. (217.3), 5-7 p. m., Capitol theater organ; Ed Kemp, tenor; Bob Mokreys, pianist; Bivee Talbot, baritone; 10-1:30 a. m., Bernie Cummins' Town club orchestra; Capitol theater program; Ned Miller, tenor; Harriet Lee, contralto; Herman Sinaiko, violinist; George Allen, tenor; Bob Mokreis, pianist.

WOS, Jefferson City, Mo. (440.9), 8 p. m., address: "What is the School Trying to Do?", Charles A. Lee, superintendent public schools; varies musical program, Lincoln university band; readings, Homer A. Harris.

WQJ, Chicago, Ill. (447.5), 11-12 m., fish dinner, Frank Wendt; "The Middle Aged Woman," Dr. Lena K. Saddler; 3-4 p. m., "Cake for Dessert," Helen Harrington Downing; "Meat Substitutes," Jean K. Rich; 7-8, Ralph Williams and his Rainbo Gardens orchestra; program, Herman J. Techentine, baritone; 10-1 a. m., Ralph Williams and his Rainbo Skylark-Melodians; Clarence Theders, tenor; J. Edwin Peterson, bass; George Thurn, kazoo soloist; Harry Kendall, guitarist; Thelma Peffetle, soprano; Joey Stool, tenor; Eddie Vogel, baritone; 1-2, Ginger hour.

WSAI, Cincinnati, Ohio (326), 7 p. m., chime concert; Robert Badgley; 7:15, art talk, Cincinnati Art club; 7:30, Davis saxophone octet, WEAF; 10, talk, Dean Herman Schneider, College of Engineering and Commerce; 10:15, program. The Congress playing card string quartet.

Lucile Phelan Bush, soprano, is shown here in one of the costumes she appeared in during a grand opera production at WBZ, Springfield. These opera programs are becoming very popular at this station.

KMTR, Hollywood, Calif. (238), 5-6 p. m., home hour with Mammy Simons and pupils Geraldine Kasal; 8-10, The Turner orchestra, Loren Powell, director; Rondeau male quartet; 10-11, Starr Piano company studio.

KNX, Hollywood, Calif. (336.9), 5:30-6:15 p. m., Wurlitzer pipe organ studio; Town Talker; 6 15, travel talk, W. F. Alder; 6:30-7, Atwater Kent concert orchestra; 7-8, Ambassador hotel concert orchestra, Josef Rocenfeld, director; 8-9, program, Security Trust and Savings bank; 9-10, program, W. W. Rainey organization; 10-11, dance music.

KOAC, Corvallis, Ore. (280.2), 7:20 p m., musical selections; 7:30, "Curtains and Draperies", Margaret Morehouse; 7:45-8, "How Do You Wash and Iron," Mrs Ethel Morgan.

KTAB, Oakland, Calif. (240), 9-9:30 a. m., prayer service, Rev. G. W. Phillips.

KWSC, Pullman, Wash. (348.6), 7:30-9 p. m., Mary Elizabeth Turner, pianist; Vera Bohlke, vocalist; Gladys Anderson, violinist; "The Economic Value of the Poultry Industry", L. W. Cassel; "Investments No. 1", Joseph Demmers; "Beekeepers' Winter Work Important", B. A. Slocum; book reviews, Alice Lindsey Webb.

Thursday, January 14

Headliners Today

Eastern 8 p. m.	Central 7 p. m.	Mountain 6 p. m.	Pacific 5 p. m.
WBAL (246) Peabody Conservatory of Music.			
9	8	7	6
WBZ (333.1) Patriotic program.			
10	9	8	7
CNRC (435.8) Old time request numbers.			
KGO (361.2) Arabian Temple Shrine band.			
KYW (535.4) Evening at home.			
11	10	9	8
KHJ (405.2) Cafeteriaate program.			
WJAZ (322.4) Classical program.			
12 m.	11	10	9
KFI (467) Chickering Hall program.			
WLS (344.6) Press ball.			
1 a. m.	12 m.	11	10
WRR (246) Mellot theater.			

Thursday, silent night for: CHIC, CKNC, CNRA, CNRE, CNRO, CNRR, CNRT, CNRV, CNRW, KFAB, KFAU, KFDM, KFEQ, KFMX, KFOA, KFUO, KFVE, KFWA, KGW, KLX, KOA, KOAC, KOB, KWSC, PWX, WAFD, WAHG, WCAP, WCLE, WDOD, WEAO, WEBJ, WEBW, WHAD, WHAZ, WJJD, WLIT, WOAI, WOR, WSM, WSUI, WTAM.

Eastern Time Stations

CNRM, Montreal, Canada (411), 8:30 p m., University of Montreal night, vocal quartet; recitation, C. Sutton; Carolan chorus; J P Richmond, cello; R Gilbert, baritone; musical quartet; address, 10, J Nolan.

KDKA, Pittsburgh, Pa. (309.1), 7:15, 8 a. m., exercises, O Sharman, 9:15 p m., Uncle Ed 6:30 dinner concert, KDKA Little symphony orchestra, Victor Saxtett conducted 8:15, farm program, Secretary Farmers Club, 8:30, Wm Penn program, Edward Hungerford, Richard Kount and the KDKA Little symphony orchestra, Victor Saxtett, director, 9 Ted Lewis band, Little symphony orchestra, 11, Pittsburgh Post midnight revue.

WBAL, Baltimore, Md. (246), 6:15-6:45 p m., "Pied Piper of Hamelin and other stories told every night, Hotel Kiwi, 6:30-7:30, dinner program WBAL orchestra, Robert P Lutz, conductor 8:30, musical program, Peabody conservatory of music.

WBBR, New York, N. Y. (272.6), 8 p m., Wurlitzer instrumental trio, 8:30, Studio Goldbrickers, baritone; 8:30, International Singers, soprano, Miss M Van Sutphen, 8:30, Studio Goldbrickers, baritone, 8:30, Westchester instrumental trio.

WBZ, Springfield, Mass. (333.1), 6:30 p m., KDKA Little symphony, 7:30, Hotel Lenox ensemble, 8 Edwin J Mellenthin and his orchestra; 8:30, Anthony R Valentino, Jan guitarist, George Newton, pianologist, 8:45, Helen D. Porter, reader, 9 patriotic program, Nurse Brick contest; 10:15, Edwin J Mellenthin and his dancing orchestra.

WCAP, Washington, D. C. (468.5), 6:45-7:45 a m., Tower health exercises.

WCAU, Philadelphia, Pa. (278), 6:30 p. m., BBB Hour and Ed Cather Tea Garden dance orchestra 7:30, recital, N Spaldenberg and company; 8, Mitchell Gerdes, 8:45, Elizabeth Lennihan, contralto soprano; Marcel Frechette tenor, 8:30, Kredi Kelly, 9 Peter O Moore, Irish tenor, 9:30, Musical Clef; 9:45 [illegible] to horseback riding, Professor Doolittle; 10 Second hour of music; 11, Parrellans dance orchestra; 11:30, Club Carlin revue.

WCX, Detroit, Mich (516.9), 6 p m., dinner concert, Book Cadillac hotel; 8, radio concert.

WEAF, New York, N. Y. (491.5), 6:45-7:20 a m., Tower health exercises, WEEI, WCAP; 11 11:10, musical program; 11:10-11:25, talk; 11:25-11:55, music; 11:56-12 n., lecture, "Cookery," Columbia announcements; 6-7 p m., dinner music, Hotel Waldorf-Astoria; 7-7:30, mid-week lecture, auspices of Greater New York Federation of Churches; 7:30-8, radio bridge;

Thursday, January 14

S-S:30, The Larkinites, WGR, WOC, WFI, WWJ, WCAE, WCCO, WSAI, WTAG, KSD; 8:30-9, Hire's Voyageurs, WEEI, WTAG, WCAE; 9-10, Clicquot Club Eskimos, WEEI, WJAR, WTAG, WFI, WCAE, WSAI, WEAR, WGR, WWJ, WOC, WCCO, KSD; 10-11, Silvertown Cord orchestra, direction of Joseph Knecht, WEEI, WSAI, WGR, WWJ, WCCO, WOC, WFI, WCAE, WJAR, WADC, WTAG, KSD; 11-12 m., Vincent Lopez and his orchestra direct from Casa Lopez.

WEAR, Cleveland, Ohio (389.4), 11 a. m., home service talk; 11:30, farm talk; 7 p. m., Hotel Statler concert orchestra, direction, Maurice Spitalny; 8, Larkinite Four, WEAF; 8:30, studio program; 9, Clicquot club, WEAF; 10, Vincent Percy, organist; assisting artists.

WEEI, Boston, Mass. (348.6), 7:45 a. m., morning watch from Estey organ studio; 3, Lou Klayman and his orchestra; 6, Dok Eisenbourg and his Sinfonians; 6:45, Big Brother club; 7:40, Harvard observatory talk, "Relativity"; 8, Larkinites, WEAF; 8:30, pop concert, WEAF; 9, Clicquot club entertainers, WEAF; 10, Goodrich Zippers.

WFI, Philadelphia, Pa. (394.5), 10 a. m., menu talk; 10:30, solos; 1 p. m., tea room orchestra; 3, Emerson club; 6:30, Bellevue-Stratford hotel concert orchestra; 7, Bellevue-Stratford hotel dance orchestra; 8, The Larkinites; 8:30, Hire's Voyageurs; 9, Clicquot Club Eskimos; 10, Silvertown Cord orchestra.

WGCP, New York, N. Y. (252), 12:30 p. m., race results; 3, Elvina Rosa Geiger, concert pianist; 3:15, Miriam Davis and Frank Gallasi; 3:30, Harold Glear, Whistler; 3:45, Doris Freeman, songs; 4:05, Sammy Fair and Artie Dunn; 4:15, Gertrude Greenblatt, violinist; 4:30, Sylvia Schatz, elocutionist; 4:45, Bert Dagmar, songs; 8:30, Eva Rothenberg, pianolog; 8:45, Bert Dixon, baritone; 9-9:30, Strickland's orchestra; 9:30, Picotti and Val, songs; 9:45, Judith Roth, soprano; 10, program; 10:30-11, Strickland's orchestra; 11-11:30, Connie's orchestra.

WGR, Buffalo, N. Y. (319), 2:30 p. m., WGR's afternoon program; 6:30, Vincent Lopez Hotel Statler dance orchestra, Harold Gieser, director; 8, jointly with WEAF, including the Larkinites; Clicquot Club Eskimos, and the Silvertown Cord orchestra, Joseph Knecht, director.

WHAR, Atlantic City, N. J. (275), 2 p. m., Seaside hotel trio; 7:30, lecture period; 8, Seaside hotel trio; 9, vocal and instrumental concert; 11:30, dance orchestra.

WHN, New York, N. Y. (361.2), 12:30-1 p. m., Lexington organ recital; 3:15-4:30, Lexington orchestra; 7-7:30, Vincent Lopez Iceland orchestra; 7:30-8, Ciro's orchestra; 8-8:30, Will Oakland's Chatheau Shanley; 8:30-9, Sans Gene orchestra; 9:30-10:30, standing by for DX; 10:30-11, Club Kentucky orchestra; 11-11:30, Joe Ward's Swanee orchestra; 11:30-12, Bob Murphy's orchestra; 12-12:30 a. m., Ted Lewis and his orchestra.

WIP, Philadelphia, Pa. (508.2), 6:45 a. m., setting-up exercises; 7, setting-up exercises; 10, menu talk, Mrs. Anna B. Scott; 1 p. m., Gimbel tea room orchestra; 3, recital; 6:05, Piccadilly Cafe dance orchestra; 7, Uncle Wip's bedtime stories; 8, talk; 8:15, recital; 10:05, Pagoda Cafe dance orchestra.

WJR, Pontiac, Mich. (516.9), 7 p. m., Jean Goldkette's Petite symphony orchestra; 7:30, Ide and Meginnity; 9, Jean Goldkette's serenaders; 11, Jean Goldkette's Victor Recording orchestra.

WLIT, Philadelphia, Pa. (394.5), 12:02 p. m., daily almanac; Arcadia Cafe concert orchestra; Stanley theater organ recital; 2, Arcadia Cafe concert orchestra; 7:30, Dream Daddy's bedtime stories.

WLWL, New York, N. Y. (288), 9-9:30 p. m., duets, H. P. Chatfield and Emma Burkhardt; 9:50-10:15, to be announced; 10:15-10:35, "Psychoanalysis," Rev. C. Bruehl; 10:35-11, Marina Maresi, soprano.

WMCA, New York, N. Y. (340.7), 6-6:30 p. m., Olcott Vail and his Hotel McAlpin string ensemble; 6:30-7, Frank Gebbia's orchestra; 7-7:20, Jack Cohen, pianist; 7:20-7:23, Pace institute program; 7:23-7:30, Jack Cohen; 7:30-8, Lanson's orchestra; 8-8:30, Hale and Hearty, the Health Boys; 10-10:10, "How to Drive Automobiles," Harry Rainess; 10:30-11, Jack Smith, whispering baritone; 11-12, Ernie Golden and his Hotel McAlpin orchestra; 12-1 a. m., Broadway night.

WNYC, New York, N. Y. (526), 7:10 p. m., dance program; 7:35, dance program; 8:30, concert program; 10:10, Sydney N. Ussher, lecture.

WOO, Philadelphia, Pa. (508.2), 11 a. m., organ recital; 12 n., Golden's Crystal tea room orchestra, 4:45, organ recital; 7:30, Hotel Adelphia French room orchestra.

WOR, Newark, N. J. (405.2), 6:15 p. m., "Words Often Mispronounced"; 6:30, sports, Bill Wathey; 6:45, Jacques Jacobs' Hotel Shelton ensemble; 7:30, Newark evening news.

WPG, Atlantic City, N. J. (299.8), 1:30 p. m., Hotel Morton luncheon music; 4:30, Chalfonte-Haddon hall afternoon tea music; 6:30, Billy Rocap, sporting events; 6:45, organ recital, Arthur Scott Brook; 7, Hotel Ambassador dinner music; 8, world wonder excursions, Alfred James P. McClure; 8:15, concert; 10, program; 10:30, Karl Bonawitz, piano recital; 11, Silver Slipper supper club; Eddie McKnight's dance orchestra.

WRC, Washington, D. C. (468.5), 10 a. m., women's hour; 12 m., organ recital; 1 p. m., Hotel Mayflower orchestra; 6, Hotel Hamilton orchestra; 7, Shoreham hotel orchestra, WJZ; 8, concert, U. S. Army band, WJZ, WGY, WCAD; 9, Royal Salon orchestra, WJZ, WGY, WCAD; 10:30-11:30, Meyer Davis' Swanee orchestra.

WREO, Lansing, Mich. (285.5), 6-7 p. m., Speed-Wagon serenaders; Gold Standard ensemble; 8:15, Reo Broadcasting orchestra; Reo string quartet; Leland C. Cooke, clarinetist; Accelerator male quartet.

WRVA, Richmond, Va. (256), 8:10 p. m., program of music, Mrs. E. J. Wright, soprano soloist, male quartet violinist and pianist; 9:15, program, auspices of University of Richmond; Westhampton college chorus; Richmond college quartet; speaker; university band; 11, Carry Me Back to Old Virginny.

WTAG, Worcester, Mass. (268), 10:30 a. m., musical selections; 10:45, talk, Marjorie Woodman; 12:05-2 p. m., noonday luncheon music, WTAG orchestra; 4:30, entertainment; 5:15, "The Twinkle Twinkle Story Teller"; 7:45, nature talk, Esther Cunningham Averill; 8-8:30, the Larkinites, WEAF; 9-10, Clicquot Club Eskimos; 10-11, the Silvertown Cord orchestra.

WTAM, Cleveland, Ohio (389.4), 12:15-1:15 p. m., Austin Wylie's Golden Pheasant orchestra; 6-7, Guy Lombardo and his Royal Canadians; 8-10, City of Cleveland program; 10-11, Hollenden hour; 11-1 a. m., Guy Lombardo and his Royal Canadians.

WTIC, Hartford, Conn. (475.9), 6:30 p. m., dinner music; 7:30, talk, Bud Kingston, Radio editor.

WWJ, Detroit, Mich. (352.7), 9:30 a. m., tonight's dinner and special talk; 12:05 p. m., Jules Klein's Hotel Statler orchestra; 3, Detroit News orchestra; 6, dinner concert; 8, concert, WEAF.

Central Time Stations

CKY, Winnipeg, Can. (384.4), 10 p. m., dance program, Cliff Menzies and his Collegians.

KFKX, Hastings, Nebr. (288.3), 1 p. m., "Clover Seeding—Some High Points in Successful Culture," John Pieper; 5:30, KDKA dinner concert.

KFMQ, Fayetteville, Ark. (299.8), 8 p. m., "Civic Organizations, Their Development and Opportunity," J. A. Dickey; "The Progress of the American Drama," V. L. Jones; "Dietary Deficiency Diseases: Rickets, Scurvy, Opthalmia," J. W. Reid; "The Man in the Moon," A. M. Harding; "Cupboards and Tools," D. G. Carter; "The Psychology of the Job," G. C. Cracker.

KFNF, Shenandoah, Iowa (266), 7 p. m., concert, Hopkins, Mo., J. Max Davis director.

KMA, Shenandoah, Iowa (252), 11:30-12:30 p. m., noonday rural program; May's flower lady, Lina Ferguson; music; talk; Earl E. May; 4-5, talk, G. H. Van Houten; 6-7, program for Garden club of Parsons; 9-11, Delmonico dreamers, dance orchestra.

KPRC, Houston, Texas (296.6), 12 m., book talk, Julia Ideson; 5:30 p. m., Uncle Judd's kiddies' hour; 7:30, Blanchard's dance orchestra; 8:30, studio concert.

KSAC, Manhattan, Kans. (340.7), 9-9:25 a. m., music, inspirational talk, agricultural primer, calisthenics; 9:55-10:25, readings, backyard gossip, question box; Planning today's meals; 12:35-10:05, readings, timely talks, question box; "Are You Maintaining Your Soil Fertility", E. B. Wells; "Opening the Accounts for 1926", L. N. Chapman; 4:30-5, Botany; 6:30-7:30, music; Extension credit course, "Educational Psychology"; Extension course, "Getting Rid of Household Pests", Lucille O. Rust; "When You a Marketing Go", Pearl Ruby.

KSD, St. Louis, Mo. (545.1), 4 p. m., women's hour, Wednesday club; 6:55, WEAF chain "Good Will" program.

KSO, Clarinda, Iowa (241.8), 12:30-1:15 p. m., farm talk; 7-7:30, band concert; 7:30-9, music.

KTHS, Hot Springs National Park, Ark. (374.8), 12:30-1 p. m., homefolks hour; 9-9:30, chorus, First Presbyterian church, Frances Hardin, director; 9:30-10:15, dance concert, New Arlington hotel orchestra; 10:15-10:30, Mrs. Byrd Rigsby, vocalist; 10:30-10:45, dance selections.

KWKH, Shreveport, La. (261), 8-9 p. m., Edythe Crowder.

KYW, Chicago, Ill. (536), 6:30-7 a. m., morning exercises, Paul A. Leonhardt; 7:30, morning family worship, Y. M. C. A; 11:35, table talk, Mrs. Anna J. Peterson, Peoples Gas company; 1, noon-day concert; 1-2, luncheon concert, Congress hotel; 4, frolic, Hearst square; 6, dinner music, KDKA; 7:05 bedtime story Walter Wilson; 7:33 speeches, American Farm Bureau federation; 8-8:20, reading Rev. C. J. Perin, Loyola university; 8:20-9, musical program, Congress hotel; 9, music hour; 10, evening at home, KYW; 10:40-11:10, Coon-Sanders' Original Nighthawks; 1, Insomnia club, Coon-Sanders Original Nighthawks.

WAMD, Minneapolis, Minn. (243.8), 12 n., musical program: Whitey Nightengale, tenor, uke, Mrs. James Barrett, soprano, Norvy Mulligan, tenor and pianist; 6:15 p. m., dinner concert, George Osborn's Hotel Radisson Skyockets; 7:05, talk; 11, George Osborn's Hotel Radisson Skyrockets.

WBBM, Chicago, Ill. (266), 4-6 p. m., Valentino Inn orchestra; singers; 8-10, Tip trio; Ziegler sisters; Moulin Rouge orchestra; 10-12, Moulin Rouge orchestra; artists and stars.

WBCN, Chicago, Ill. (266), 10-10:30 a. m., Penny Wise, the shopper's ready helper, shopping talk; 7-8, classical hour; Emily Stone, violinist; Ada Mae Stone, accompanist; Lemmyon Amoureaux, French tenor; Ethel Eaves Price, soprano; Alice McMahon, contralto; Margaret McArthur, pianist; John Williams, baritone; 10-1 a. m., Elmer Jordan & Co., Owl matinee.

WCBD, Zion, Ill. (344.6), 8 p. m., cornet quartet; Alexander DePew, flutist; L. J. Hire, violaist; Mrs. G. R. Sparrow, contralto; G. R. Sparrow, tenor; Mary Sweeney, soprano; Theodore Forby, reader; Gladys Taylor, pianist

WCCO, Minneapolis-St. Paul, Minn. (416.4), 12 m., Donaldson's orchestra; 2 p. m., "Among the Musicians," H. A. Bellows; 2:30, afternoon concert, State theater; 4, readers' club, Eleanor Poehler; 5:30, children's hour; 6:30, talk on farm machinery, Tom Witten; 7, WEAF, Larkinites, Hire's Voyageurs, Clicquot club Eskimos, Silvertown Cord orchestra; 10:05, travel talk, National Director Travel bureaus; 10:20, Arnold Frank's St. Paul hotel orchestra.

WDAF, Kansas City, Mo. (365.6), 6-7 p. m., The Tell-Me-a-Story lady; address, Louis Mecker, literary department of the Star; music, The Trianon ensemble, Carl Nordberg's plantation players, Hotel Muehlebach; organ numbers, Ted Meyn, Pantages theater.

WEBH, Chicago, Ill. (370.2), 11:30 a. m., women's half hour; 3-4 p. m., special features; 7, Edgewater Beach Oriole orchestra, dinner concert; special recital; 8-9, Belle Forbes Cutter, soprano; Edgewater Beach Oriole orchestra, dance selections; 10, Ruth Buhl Flick, readings; 11, Edgewater Beach Oriole orchestra, dance selections; Indiana male quartet; Marie Kelly, readings; Jack Penewell and Fred Palmiter, special numbers; 12:30 a. m., Florence Behrend, soprano; Ruth Buhl Flick, readings; Belle Forbes Cutter, soprano; Wayne Myers, stories; Kathryn Forbes, soprano.

WENR, Chicago, Ill. (266), 6-7 p. m., dinner concert; Radland-lyric trio; piano and vocal selections; cello solos; 8-10, popular program; All-American Pioneers; Vic Fredericks; Will Rossiter, Ray Hibbeler; Strand Harmony entertainers; Rose Kutta.

WGES, Oak Park, Ill. (250), 5-7 p. m., Frederick Irving, basso; Rose Olech, soprano; Stenstrom sisters, vocalists; Miles Sullivan players; John Brown, pianist; Wyzenbeck trio; Tiffin theater organ and orchestra; 8-9, Remington Welsh, organist; Richard Dale, baritone; Ruth Kalthoff, mezzo-soprano; Wyzenbeck trio.

WGN, Chicago, (302.8), 11-11:30 a. m., household hints; 11:30-12, discussion of fashions; 12-12:40 p. m., public service period; 12:40-2:30, luncheon concert, Drake concert ensemble and Blackstone string quintet; 2:30-3, Lyon and Healy artist series; 3-3:25, public service period; 3:25-3:30, Port O' Missing Men; 3:30-4:15, tea time music, Marshall Field tea room orchestra; 4:30-5, organ recital, Edward Benedict; 5:30-5:57, Skeezix time; 6:30-7, dinner concert, Drake ensemble, Blackstone string quintet; 8-9, Clicquot Club Eskimos, WEAF; 9-10, Silvertown program, WEAF; 10-11, dance program.

WGST, Atlanta, Ga. (270), 7-8 p. m., Mary Miller Trownsell, violinist; "Concerning the Night School", R. S. Howell.

WHAD, Milwaukee, Wis. (275), 11 a. m., pianologue, Andy Mertel; 4 p. m., Mrs. Ferne Medley Hansen, vocalist; I. E. Clayton, baritone; 6:15-7, Bill Benning's Milwaukee Athletic club orchestra.

WHAS, Louisville, Ky. (399.8), 1-2 p. m., concert, Benson trio, Seelbach hotel; 3-3:30, organ recital, Mrs. Myrtle Fulks Zahn, Jr., Alamo theater; 4-5, musical selections, Harry S. Currie, assisted by Leroy Hobb; readings, choice editorials; 7:30-9, mixed vocal and instrumental concert, auspices of Mrs. John E. Harmon, Jr., Sunday school lesson.

WHB, Kansas City, Mo. (365.6), 2-3 p. m., Sweeney Radio trio; 7-7:45, dinner hour organ music, Morrell Moore; Don Anchors, poet; avaition talk, Harry Wimer; 8-9:30, Kansas City Western Dental college band.

WHO, Des Moines, Iowa (526), 7:30-8 p. m., Raleigh quintet; 8-9, Bankers Life trio; 11-12, Bankers Life Little symphonic orchestra.

WHT, Chicago, Ill. (399.8), 10 a. m., Jean Sargent's program, woman's club, Jelke Good Luck Girl, studio features; 11, specialists from studio; 12 p. m., Al Carney's complimentary organ hour; 1-2, special studio program; 6-7:30, classical program, dinner organ recital; Franklin Hathaway, baritone; Ada May Hathaway, violinist; Edwin Kemp, tenor; Genevieve Barry Burnham, soprano; 7:45-9:15, musical features; 9:30, Jelke entertainers; Al Carney, organist; Husk O'Hare's orchestra; Howard Sershon, tenor; Rita McFawn, popular songs; 10:10, U. S. L. half hour of dance music; 12, Pat Barnes and Al Carney.

WIBO, Chicago, Ill. (226), 10-11 a. m., shoppers bureau, Grace Viall Gray; 2-4 p. m., shut-in program; 6-8, dinner concert, Walter Preston; WIBO trio; Chester Newman, baritone; Helen Snyder, soprano; Harriet Hebert, contralto; 12-2, midnight jamboree.

WJAZ, Chicago, Ill. (322.4), 10 p. m., chimes; Hans Heniot, pianist; Edyth M. Carver, soprano; Lucille Sweetser, pianist; Alice Regina Johnson, pianist; Swedish-American Ladies' quartet.

WLS, Chicago, Ill. (344.6), 12-1 p. m., WLS trio; 6:30, Ralph Emerson, organist; 7, Ford and Glenn's Woodshed theater; 7:20, Ralph Gould trio; 11-3, Theater Press Representatives' ball.

WLW, Cincinnati, Ohio (422.3), 7:30 a. m., exercises, William Stradtman, Y. M. C. A; 8, morning devotions, auspices of Parkway Y. M. C. A; 12:05 p m., organ concert, Mildred Prigge; 12:30, health talk, Dr. Carl Wilzback; 4, piano recital, Adelaide Apfel and pupils; 7, dinner hour concert, Hotel Gibson, Robert Visconti, director; 7:30, the eyes have it, Dr. C. H. Kaufman; 7:40, Hotel Gibson concert; 10, Doherty Melody boys; 10:40, Irene Downing and Tommy Reynolds; 11, dance music, Castle farm; 11:30, whistling and imitations, Charles Starr; 12:15, Bow-wows with Kay-Nyne and Chief Barker; dance selections, Castle farm.

WMAQ, Chicago, Ill. (447.5), 12:45 p. m., Radio Farm school; 2, shut-in program; 4, Illinois Federation of women's clubs; 4:45, program, pupils, Mrs. R. R. Hawkins; 5:15, Topsy Turvy time; 6, Chicago theater organ recital; 6:30, Hotel LaSalle orchestra; 8, music; 8:30, Chicago Association of Commerce, talk, Dr. Paul J. Goode; 9, lecture, U. of Chicago; 9:20, musical program; 9:55, University of Chicago chimes.

WMBB, Chicago, Ill. (250), 7-8 p. m., Trianon duo, Frank Carney, tenor; program and talk on finance; 9-11, Trianon orchestra, Dell Lampe, Woodlawn theater orchestra, Armin F. Hand, Cecil and Esther Ward, Tracy and Duncan, Scotty Welsh and Madison Sisters, Tommy Hughes, popular program.

WMC, Memphis, Tenn. (499.7), 7:15 p. m., bedtime stories; 8:30, I. J. Cooper Rubber company's weekly program, Cooper's Hawaiians.

WOAW, Omaha, Nebr. (526), 12:45 p. m., Jaffy's string quintet; 6, classical; 6:15, Hawaiian trio, soloists; 6:50, Randall's Royal Fontenelle orchestra; 9, deluxe

AN EVENING AT HOME WITH THE LISTENER IN
IN CENTRAL TIME

Call	Location	Met.	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday
AT9	Fort Bragg, N. C.	435	Silent	5:00- 6:00	Silent	Silent	Silent	7:00- 8:55	Silent
CFCN	Calgary, Alta.	434.5	11:00- 1:00	Silent	Silent	Silent	Silent	9:00-10:00	Silent
CJCA	Edmonton, Can.	516.9	10:00-12:00	8:30- 9:30	8:30-10:30	8:30- 9:00	7:00- 9:00	10:00-12:00	9:00-12:00
CKAC	Montreal, Que.	410.7	6:30-10:00	Silent	Silent	6:30-10:00	Silent	7:30-10:00	Silent
CKNC	Toronto, Ont.	356.9	7:00-11:00	Silent	7:00-11:00	Silent	Silent	Silent	Silent
CKY	Winnipeg, Man.	384.4	8:00-11:00	7:00-10:00	8:00-12:00	Silent	7:30-11:00	8:30-11:00	Silent
CNRO	Ottawa, Ont.	434.5	7:30-12:30	Silent	Silent	Silent	7:30-12:30	Silent	Silent
CYL	Mexico City, Mex.	480	Silent	9:24-10:54	Silent	9:24-10:54	Silent	Silent	9:24-10:54
KDKA	Pittsburgh, Pa.	309.1	5:30- 8:55	3:00- 7:45	5:30- 8:55	5:30-11:35	5:30- 8:55	5:30-11:00	5:30- 8:55
KFAB	Lincoln, Nebr.	340.7	5:30- 9:30	4:00- 5:00	5:30-10:30	5:30-10:30	5:30-10:30	Silent	5:30-10:30
KFDM	Beaumont, Texas	315.6	Silent	8:00- 9:00	Silent	8:00-10:30	Silent	Silent	8:00-10:30
KFI	Los Angeles, Calif.	467	8:00- 5:00	6:00- 1:00	8:00- 1:00	8:00- 1:00	8:00- 1:00	8:00- 1:00	8:00- 1:00
KFKX	Hastings, Nebr.	288.3	5:30- 6:30	Silent	9:00-11:00	5:30- 6:30	9:00-11:00	7:00- 8:00	9:00-11:00
KFMQ	Fayetteville, Ark.	299.8	Silent	Silent	7:30- 8:30	8:00- 9:00	Silent	8:00- 9:00	Silent
KFMX	Northfield, Minn.	337	Silent	7:00- 8:00	Silent	9:30-10:00	9:00-10:00	Silent	10:00-11:00
KFNF	Shenandoah, Ia.	266	7:00- 9:00	6:30- 8:30	7:00- 9:00	7:00- 9:00	7:00- 9:00	7:00- 9:00	7:00- 9:00
KFOA	Seattle, Wash.	454.3	10:30- 1:30	Silent	8:45-12:00	8:45-12:00	8:45-12:00	Silent	8:45- 1:30
KFUO	St. Louis, Mo.	545.1	Silent	8:15- 9:15	8:00- 9:00	Silent	9:15-10:15	Silent	Silent
KFVE	Univ'ty City, Mo.	240	9:15-10:15	Silent	9:15-10:15	9:15-10:15	9:15-10:15	Silent	9:15-10:15
KFWB	Hollywood, Calif.	252	9:45- 2:00	11:00- 1:00	9:00- 2:00	9:00- 2:00	9:00- 2:00	9:00- 2:00	9:00- 2:00
KGO	Oakland, Calif.	361.2	10:00- 2:00	5:30-11:30	8:00-12:00	8:00- 1:00	8:00- 9:00	9:00-12:00	8:00-10:00
KGW	Portland, Ore.	491.5	8:00- 2:00	9:25-12:00	8:00-11:00	8:00- 2:00	8:00- 1:00	8:00-10:00	11:00-12:30
KHJ	Los Angeles, Calif.	405.2	8:00- 1:00	8:30-12:00	Silent	8:30- 1:00	8:00- 1:00	8:00- 3:00	8:00- 1:00
KIAF	Sihtipok, Minn.	421	Silent	4:00- 5:00	9:00-10:00	Silent	9:00-10:00	Silent	9:00-10:00
KJR	Seattle, Wash.	384.4	10:30-12:00	9:15-11:00	9:00- 1:00	10:30-12:00	9:00-12:00	10:30- 2:00	10:30- 1:00
KLDS	Independence, Mo.	440.9	8:00- 9:00	6:30-10:00	Silent	8:00- 9:00	Silent	8:00- 9:00	Silent
KLX	Oakland, Calif.	508.2	Silent	Silent	10:00-12:30	Silent	10:00- 1:30	Silent	11:45-12:30
KNX	Hollywood, Calif.	336.9	8:15- 4:00	4:00-12:30	8:15- 2:00	8:15- 2:00	8:15- 1:00	8:15- 1:00	8:15- 2:00
KOA	Denver, Colo.	322.4	10:00-12:00	4:00- 9:45	7:30-10:00	7:30- 9:30	7:30-12:00	7:30- 8:30	7:30-10:00
KOB	State College, N.M.	348.6	Silent	Silent	8:30- 9:30	Silent	Silent	Silent	Silent
KOIL	Council Bluffs, Ia.	278	6:15- 3:00	7:00-12:00	6:30- 2:00	6:15-12:00	6:15- 7:15	6:15-12:00	6:15-12:00
KPO	San Francisco, Cal.	428.3	8:35- 2:00	7:00-12:00	8:40- 1:00	8:15- 1:00	8:15- 1:00	8:15- 1:00	8:30- 1:00
KPRC	Houston, Texas	296.9	7:30-12:00	7:30-10:30	7:30-10:00	7:30- 9:30	7:30-12:00	7:30-12:00	Silent
KSD	St. Louis, Mo.	545.1	7:00-10:00	6:15- 9:15	7:00-12:00	6:55-10:00	7:00- 9:00	6:55-10:00	7:00-10:00
KSL	Salt Lake City, Ut.	299.8	9:00-12:00	10:00-12:00	9:00-12:00	10:00-12:00	9:00-12:00	9:00-12:00	10:00-12:00
KTAB	Oakland, Calif.	240	Silent	9:45- 1:00	10:00-12:00	10:00-12:00	Silent	11:00- 2:00	10:00-12:00
KTBI	Los Angeles, Calif.	293.9	Silent	9:15-11:30	Silent	10:00-11:00	Silent	10:00-11:00	Silent
KTCL	Seattle, Wash.	305.9	Silent	8:10-11:10	9:00-10:00	10:00-11:00	Silent	Silent	9:00- 2:00
KTHS	Hot Springs, Ark.	374.8	9:00-11:00	9:00-11:30	9:00-11:00	9:00-11:00	9:00-11:00	9:00-11:00	9:00-11:00
KTW	Seattle, Wash.	455	Silent	9:00-11:30	Silent	Silent	Silent	Silent	Silent
KWKH	Shreveport, La.	261	9:00-12:00	Silent	10:00- 3:00	9:00-12:00	Silent	8:00- 9:00	Silent
KWSC	Pullman, Wash.	348.6	Silent	Silent	9:30-11:00	Silent	9:30-11:00	Silent	9:30-11:00
KYW	Chicago, Ill.	535.4	7:00-10:00	4:00- 8:00	Silent	7:00-12:30	7:00- 1:30	7:00-12:30	7:00- 1:30
NAA	Radio, Va.	434.5	Silent	Silent	6:45- 7:00	6:45- 7:00	6:25- 7:40	6:45- 7:00	6:45- 7:00
PWX	Havana, Cuba	400	7:30-10:00	Silent	Silent	Silent	7:30-10:00	Silent	Silent
WAHG	Richmond, N. Y.	315.6	11:00- 1:00	Silent	6:30- 1:00	Silent	6:30-11:00	Silent	7:00-10:00
WBAL	Baltimore, Md.	246	Silent	5:30- 6:30	5:45- 9:00	6:30- 7:30	Silent	5:45- 6:45	4:30- 5:00
WBAP	Fort Worth, Tex.	475.9	7:30- 8:30	5:00-12:00	6:00-12:00	6:00-10:45	6:00-12:00	6:00-10:45	6:00-10:45
WBAR	Sisiht, Wis.	408	Silent	10:00-11:00	9:00-10:00	Silent	8:00- 9:00	7:30- 8:30	Silent
WBBM	Chicago, Ill.	226	8:00- 1:00	8:00- 2:00	6:00- 7:00	8:00-12:00	8:00- 2:00	8:00-12:00	8:00-10:00
WBBR	Staten Island, N.Y.	272.6	7:00- 9:00	8:00- 9:15	7:00- 8:00	Silent	Silent	7:00- 8:00	Silent
WBCN	Chicago, Ill.	266	9:00- 1:00	5:00-12:00	Silent	9:00- 1:00	8:00-12:00	9:00- 2:00	9:00- 1:00
WBZ	Springfield, Mass.	333.1	5:30- 9:00	7:00- 8:00	5:00- 9:15	5:00- 9:15	5:00- 9:15	5:00- 9:15	5:00- 9:15
WCAE	Pittsburgh, Pa.	461.3	7:30-8:30	5:30- 7:20	7:30-11:00	7:00-10:00	7:30- 9:00	8:00-10:00	7:00- 8:30
WCAP	Washington, D. C.	468.5	Silent	3:00- 9:15	5:00-10:00	Silent	6:00-10:00	Silent	6:00-11:00
WCAU	Philadelphia, Pa.	278	Silent	4:20- 9:00	7:00-10:30	6:30-10:30	5:45-11:00	5:30-10:00	6:30-10:30
WCBD	Zion, Ill.	344.6	Silent	8:00-10:30	Silent	8:00-10:30	Silent	8:00-10:30	Silent
WCCO	Minn-St. P., Minn.	416.4	6:15-11:05	4:10- 8:15	6:30-10:00	6:15- 9:30	7:00-12:30	7:00-11:05	6:15-11:05
WCX	Detroit, Mich.	516.9	5:00- 6:00	Silent	5:00- 8:00	5:00- 1:00	5:00- 8:00	5:00- 8:00	5:00-10:00
WDAF	Kansas City, Mo.	365.6	6:00- 1:00	4:00- 4:45	6:00- 1:00	6:00- 1:00	6:00- 1:00	6:00- 1:00	6:00- 1:00
WDWF	Providence, R. I.	440.9	Silent	Silent	Silent	7:30- 8:30	Silent	Silent	Silent
WEAF	New York, N. Y.	491.5	5:00-11:00	1:00- 9:15	5:00-11:00	5:00-11:00	5:00-11:00	5:00-11:00	5:00-11:00
WEAO	Columbus, Ohio	293.9	Silent	Silent	Silent	Silent	7:00- 8:00	7:00- 8:00	Silent
WEAR	Cleveland, Ohio	389.4	6:00-12:00	6:00- 9:15	7:00-11:00	6:00- 9:00	6:00- 7:00	6:00-10:00	6:00-10:00
WEBH	Chicago, Ill.	370.2	7:00- 2:00	5:00- 9:00	Silent	7:00- 1:00	7:00- 1:00	7:00- 1:00	7:00- 1:00
WEBJ	New York, N. Y.	272.6	Silent	Silent	Silent	7:00- 9:00	7:00- 9:00	Silent	6:00- 8:00
WEEI	Boston, Mass.	348.6	Silent	6:20- 9:20	7:30- 9:00	7:00-10:00	7:00-10:00	7:00-10:00	7:00- 8:00
WENR	Chicago, Ill.	266	6:00- 2:00	2:00-11:30	Silent	6:00-10:00	6:00- 2:00	6:00-10:00	6:00- 2:00
WFAA	Dallas, Tex.	475.9	6:30-11:00	6:30-11:00	6:30- 9:30	6:30-12:00	Silent	6:30-12:00	6:30- 9:30
WFBH	New York, N. Y.	272.6	10:30- 1:00	4:00- 7:00	10:30- 1:00	10:30- 1:00	10:30- 1:00	10:30- 1:00	10:30- 1:00
WFI	Philadelphia, Pa.	394.5	7:00- 8:30	6:30- 7:30	Silent	7:00-11:00	Silent	7:00-10:00	Silent
WGBS	New York, N. Y.	315.6	5:00-10:30	7:00-8:00	6:00- 6:15	5:00-10:30	5:00- 7:30	5:00- 7:45	Silent
WGBU	Fulford, Fla.	278	5:30-12:00	8:30-11:00	5:30-12:00	5:30-12:00	5:30-12:00	5:30-12:00	5:30-12:00
WGCP	New York, N. Y.	252	Silent	7:00-10:15	7:00-10:00	Silent	7:00-10:15	Silent	7:00-10:00
WGES	Oak Park, Ill.	250	8:00- 1:00	5:00- 7:00	5:00- 7:00	5:00- 1:00	5:00- 1:00	5:00- 1:00	5:00- 1:00
WGHB	Clearwater, Fla.	266	5:00-12:00	Silent	5:00-12:00	5:00-12:00	5:00-12:00	5:00-12:00	5:00-12:00
WGHP	Detroit, Mich.	270	Silent	Silent	6:00- 8:00	6:00- 8:00	6:00- 8:00	8:00-10:00	8:00-10:00
WGN	Chicago, Ill.	302.8	6:30-11:00	2:00- 9:15	6:30- 7:00	6:30-11:00	6:30-11:00	6:30-11:00	6:30-11:00
WGR	Buffalo, N. Y.	319	Silent	6:45- 9:15	7:30-12:00	7:00-10:00	7:00-12:00	7:00-10:00	7:45-12:00
WGY	Schenectady, N. Y.	379.5	8:00-11:00	5:30- 9:00	5:30- 7:30	6:00-10:00	Silent	5:45-10:30	6:15- 9:30
WHA	Madison, Wis.	535.4	Silent	Silent	7:30- 9:00	Silent	7:30- 9:00	Silent	7:30- 9:00
WHAD	Milwaukee, Wis.	275	Silent	3:15- 4:15	6:15-10:00	6:15- 7:00	6:15-12:30	6:15- 7:00	6:15-10:00
WHAR	Atlantic City, N. J.	275	6:30- 9:30	6:50-12:15	6:30- 9:00	6:50-12:15	Silent	6:30-10:00	6:30-12:15
WHAS	Louisville, Ky.	399.8	7:30- 9:00	4:00- 5:00	Silent	7:30- 9:30	7:30- 9:00	7:30- 9:00	7:30- 9:00
WHAZ	Troy, N. Y.	379.5	Silent	Silent	8:00-11:00	Silent	Silent	Silent	Silent
WHB	Kansas City, Mo.	365.6	Silent	8:00- 1:00	7:00- 8:00	Silent	7:00- 8:00	8:00-10:30	7:00- 8:00
WHN	New York, N. Y.	361.2	6:30- 9:00	4:00- 4:30	7:00-11:00	8:30- 9:00	9:00-10:30	7:00- 9:00	6:30-11:30
WHO	Des Moines, Ia.	526	Silent	7:30- 8:30	7:30-12:00	7:30-12:00	6:30-11:30	7:30-12:00	7:30-12:00
WHT	Chicago, Ill.	399.8	7:00- 1:00	12:00-10:30	Silent	7:00- 1:00	7:00- 1:00	7:00- 1:00	7:00- 1:00
WIBO	Chicago, Ill.	226	6:00- 8:00	6:00-12:00	Silent	6:00- 2:00	6:00-12:00	6:00- 2:00	6:00- 2:00
WIP	Philadelphia, Pa.	508.2	5:05-11:05	3:00- 4:00	5:05- 7:00	5:05-10:30	5:05- 7:00	5:05-11:00	5:05- 7:00
WJAR	Providence, R. I.	305.9	Silent	6:20- 9:15	7:00- 9:00	6:30- 9:00	6:30-10:00	7:00-10:00	7:00-11:00
WJAS	Pittsburgh, Pa.	275.3	6:00-11:00	Silent	6:00-11:00	6:00-11:00	6:00- 1:00	6:00-11:00	6:00-11:00
WJAZ	Chicago, Ill.	322.4	Silent	Silent	Silent	Silent	Silent	10:00-12:00	Silent
WJJD	Mooseheart, Ill.	370.2	6:00-12:00	7:45-11:00	Silent	6:00- 1:00	6:00-11:00	6:00- 1:00	6:00- 1:00
WJR	Pontiac, Mich.	516.9	6:00-11:30	7:30- 9:00	6:00-11:30	6:00- 9:00	6:00-10:30	6:00-11:00	6:00-8:00
WJY	New York, N. Y.	405.2	Silent	7:15- 8:15	Silent	7:30-10:15	Silent	7:30- 9:00	7:45- 8:45
WJZ	New York, N. Y.	454.3	6:00-10:30	7:00-10:00	7:15- 8:15	7:10-10:30	8:30-10:30	7:30-10:30	7:15- 9:45
WKAQ	San Juan, P. R.	340.7	Silent	Silent	Silent	Silent	6:00- 8:00	Silent	Silent
WKAR	Lansing, Mich.	285.5	11:30- 1:00	Silent	6:15- 8:00	6:15- 7:00	6:15- 8:00	6:15- 7:00	6:15- 8:00
WKRC	Cincinnati, O.	422.3	10:00-11:00	6:45-11:00	6:00-12:00	10:00-12:00	8:00-10:45	8:00-10:00	Silent
WLIB	Chicago, Ill.	302.8	7:00-12:00	7:00- 8:00	Silent	7:00- 1:00	7:00- 1:00	7:00- 1:00	7:00- 1:00
WLIT	Philadelphia, Pa.	394.5	6:30- 7:30	1:00- 2:00	6:30-10:45	6:30- 6:50	6:30-10:00	6:30- 7:30	6:30-10:00
WLS	Chicago, Ill.	344.6	7:45- 1:00	6:30- 7:55	Silent	7:00- 8:00	7:00-11:30	7:00- 8:55	7:00-11:30
WLW	Cincinnati, O.	422.3	7:00- 9:00	7:30- 9:30	7:00- 8:00	6:30-10:00	7:00-11:00	8:00-12:00	Silent
WLWL	New York, N. Y.	288.3	Silent	6:00- 7:00	7:00- 9:00	Silent	Silent	7:00- 9:00	Silent
WMAK	Lockport, N. Y.	265.5	6:30- 9:00	6:30- 7:30	7:00- 9:00	Silent	6:30- 9:00	Silent	8:00- 9:00
WMAQ	Chicago, Ill.	447.5	8:00-10:00	Silent	Silent	8:00-10:15	8:00- 9:45	7:00-11:00	8:00-10:15
WMBB	Chicago, Ill.	250	7:00-11:00	3:00-11:00	Silent	7:00-11:00	7:00-11:00	7:00-11:00	7:00-11:00
WMBF	Miami Beach, Fla.	384.4	6:00-11:00	6:00-11:00	6:00-11:00	6:00-11:00	6:00-11:00	6:00-11:00	6:00-11:00
WMC	Memphis, Tenn.	499.7	7:30- 9:30	Silent	7:30- 9:30	7:30-12:00	Silent	7:30- 9:30	7:30-12:00
WMCA	New York, N. Y.	340.7	8:00-12:00	6:00- 9:00	8:00-11:00	7:00-11:00	8:00-11:00	8:00-11:00	7:00-10:45
WNAC	Boston, Mass.	280.2	7:00- 9:00	2:00- 8:30	7:00- 9:00	7:00- 9:00	7:00- 9:00	7:00- 9:00	7:00- 9:00
WNYC	New York, N. Y.	526	6:00- 9:30	8:00-10:00	6:35- 9:30	6:10- 9:30	6:30-9:30	6:35- 9:30	6:30- 9:30
WOAI	San Antonio, Texas	394.5	Silent	7:45- 8:45	Silent	8:30-10:30	8:30- 9:30	Silent	8:30- 9:30
WOAN	Lawrenceb'g, Tenn.	282.8	Silent	9:00-10:00	9:00-10:00	9:00-10:00	9:00-10:00	9:00-10:00	9:00-10:00
WOAW	Omaha, Nebr.	526	6:00-12:00	9:00-10:00	6:00-11:00	6:00- 1:00	Silent	6:00-10:00	6:00-10:00
WOAX	Trenton, N. J.	240	Silent	8:30-10:30	Silent	Silent	Silent	Silent	Silent
WOC	Davenport, Ia.	483.6	6:30-12:00	6:30-11:45	Silent	6:30-11:15	6:30-10:00	6:30-12:00	6:30- 9:45
WOK	Homewood, Ill.	217.3	10:00- 1:00	6:30- 8:30	Silent	10:00- 1:00	10:00- 1:00	10:00- 1:00	10:00- 1:00
WOO	Philadelphia, Pa.	508.2	6:30- 7:30	5:00- 6:00	6:30-11:00	6:30- 7:30	6:30-11:00	6:30- 7:30	6:30-11:00
WOQ	Kansas City, Mo.	278	8:00-11:00	7:00- 7:45	Silent	8:00- 9:00	Silent	7:00- 9:00	Silent
WOR	Newark, N. J.	405.2	5:15- 7:30	Silent	5:15- 8:30	5:15- 6:30	5:15-11:00	5:15- 6:30	5:15- 6:30
WORD	Batavia, Ill.	275	8:30-10:30	6:45- 8:00	Silent	8:30-10:00	8:30-10:00	8:30-10:00	8:30-10:30
WOS	Jefferson City, Mo.	440.9	Silent	8:00- 9:00	8:00-10:00	Silent	8:00-10:00	Silent	8:00-10:00
WPG	Atlantic City, N. J	299.8	6:00-11:00	3:15-11:00	6:00-11:00	7:00-11:00	Silent	7:00-11:00	6:00-11:00
WQJ	Chicago, Ill.	447.5	7:00- 3:00	7:00-10:00	Silent	7:00- 2:00	7:00- 2:00	7:00- 2:00	7:00- 2:00
WRC	Washington, D. C.	468.5	5:00-12:00	Silent	Silent	5:50-12:00	5:00- 6:00	6:00-10:00	Silent
WREO	Lansing, Mich.	285.5	5:00-11:00	6:00- 7:00	5:00- 6:00	5:00- 8:15	5:00- 6:00	5:00-11:30	Silent
WRW	Tarrytown, N. Y.	273	8:00-10:30	7:00-10:30	8:00-10:30	8:00-10:30	8:00-10:30	8:00-10:30	8:00-10:30
WSAI	Cincinnati, O.	325.9	7:30- 9:15	7:45-10:15	10:00-12:00	6:30-10:30	10:00-12:00	7:00-10:00	Silent
WSB	Atlanta, Ga.	428.3	8:00-12:00	7:30- 9:15	8:00-12:00	8:00-12:00	10:45-12:00	8:00-12:00	8:00-12:00
WSM	Nashville, Tenn.	282.8	7:15-11:00	7:30- 8:30	7:00-11:00	Silent	7:00-11:00	Silent	Silent
WSMB	New Orleans, La.	319	8:30-10:30	Silent	8:30-11:30	Silent	8:30-10:30	8:30-11:00	Silent
WSUI	Iowa City, Ia.	483.6	Silent	9:15- 9:45	7:30- 8:30	Silent	7:45- 8:45	Silent	Silent
WTAG	Worcester, Mass.	268	Silent	6:00- 8:15	7:00- 8:00	7:00-10:00	7:00- 8:00	7:00-10:00	7:00- 8:00
WTAM	Cleveland, O.	389.4	5:00-11:00	Silent	5:00-11:00	5:00- 6:00	5:00-11:00	5:00- 6:00	5:00- 6:00
WTIC	Hartford, Conn.	475.9	Silent	7:15- 8:15	5:30- 8:00	5:30- 9:00	5:30-10:00	5:30- 7:45	5:30-11:30
WWJ	Detroit, Mich.	352.7	Silent	5:20- 9:15	5:00- 8:00	5:00- 8:00	5:00- 9:00	5:00-11:30	5:00- 9:00

YE OLDE TYME QUARTET AT CNRT

Thursday, January 14

program; 10:30, Herb Feierman and his Omadala orchestra; 12, G. R.'s Radio night watchmen.

WOC, Davenport, Iowa (483.6), 12:15-12:25 p. m., "Legume Day," Prof. John Pieper; 3-3:30, Aunt Jane; 5:45-6, chimes; 6:30-6:50, sandman; 7-7:30, Larkinites, WEAF; 7:30-8, Harry Yeazelle Mercer, tenor; Erwin Swindell, pianist; 8-9, Clicquot Club Eskimos, WEAF; 9-10, Goodrich Zippers, WEAF; 11-12, LeClaire hotel orchestra; Peter MacArthur, baritone.

WOK, Chicago, Ill. (217.3), 5-7 p. m., Capitol theater organ; George Allen, tenor; Harriet Doty, contralto; Bob Mokrejs, pianist; 10-1:30, Bernie Cummins Town club orchestra; Husk O'Hare's Cocoanut Grove orchestra; Capitol theater program; Ned Miller, tenor; Harriet Lee, contralto; Herman Sinaiko, violinist; George Allen, tenor; Bob Mokrejs, pianist.

WOQ, Kansas City, Mo. (278), 7-8 p. m., Unity educational program; 8-9, concert

WQJ, Chicago, Ill. (447.5), 11-12 m., economics, Erna J. Bertrams; 3-4 p. m., "The Business Woman Entertains," Helen Harrington Downing; "The Fire Place—The Center on Interest on the Home," Eleanor Amidon; 7-8, dinner concert, Ralph Williams and his Rainbo Gardens orchestra; Clement Laskowski, tenor; Margaret Cade, soprano; Lavina Price, pianist; 10-1, Ralph Williams and his Rainbo Skylarks; Jerry Sullivan; Rose Vanderbosch, soprano; Hal Lansing, demon ukulele soloist; Bert Davis, Clown of the Air; Ralph Keim, pianist; Anne Keim, soprano; Lew Butler, giant of Radio; Parish and Ward; Ray Lawson, tenor; 1-2, Ginger hour.

WRR, Dallas, Texas (246), 12-1 p. m., old-time melodies, Roy Newman, pianist; Bible talk, Dr. R. S. Hyer; 5:15, bedtime story; 6-7, Jack Gardner's orchestra; 8-9, musical program; 12-1 a. m., George Perfect, organist, artists, Melba theater.

WSAI, Cincinnati, Ohio (326), 7 p. m., program, WSAI; 7:30, "Pop" concert, WEAF; "Cliquot club program"; 9 Silvertown Cord orchestra, Joseph Knecht, director.

WSUI, Iowa City, Iowa (483.6), 12:30 p. m., organ numbers, Mrs. Preston C. Coast; popular physics address.

Mountain Time Stations

CNRC, Calgary, Canada (435.8), 7 p. m., kiddies' bedtime story, Aunt Mary; 9, old time request numbers, Canadians National Railways orchestra, Gladys Webb Foster; Mrs. A. E. McKay, soprano; Madame Beatrice Chapman, accompanist.

KFXF, Colorado Springs, Colo. (250), 9-10:30 p. m., Rosemary Gardens dance program.

KOA, Denver, Colo. (322.4), 12:15 p. m., Rialto theater musicale; 3:15, exercises; 3:30, matinee for housewives; 4, culinary hints; 4:15, fashion review; 6:30, Brown Palace string orchestra.

Pacific Time Stations

KFI, Los Angeles, Calif. (467), 5:30-6 p. m., Examiner matinee; 6, nightly doings; 6:15, KFI's Seeing California; 6:30, vest pocket program; 6:45, Radiotorial period; 7-8, program, students of University of Southern California; 8-9, Mabelle Helm and her Blue Bird band; 9-10, Chickering hall program; 10-11, Examiner hour.

KFON, Long Beach, Calif. (232.4), 4:30-5 p. m., amusement bulletin; 6-6:30, organ recital, Brayton's theater, Arthur Bayliss, organist; 7:30-9, Long Beach Municipal band.

KFWB, Hollywood, Calif. (252), 7:30 p. m., microphone brevities; 8-8:30, program presented by Dr. T. Floyd with Bill Hatch and Ray Kellogg, the jazz twins; 8:30-9, Warner Bros. syncopators; 9-10, program, Don P. Smith, Inc., Diana-Moon dance orchestra; Sol Hoopli's Hawaiians, Ashley Sisters in vocal duets; 10-11, Warner Brothers frolic, direction Charlie Wellman.

KGO, Oakland, Calif. (361.2), 10:10 a. m., classroom instruction; 1-5:30 p. m., Hotel St. Francis concert orchestra; 5:30-6:30, George W. Ludlow, "Friend to Boss;" 8, Aahmes Temple Shrine band; Charles Atkins, tenor; Walter H. Hancock, accompanist; Arthur T. Baker, flutist; Mary Groom Richards, contralto; Walter Hawkinson, violinist; Lynn R. Pryor, cornetist; Alfred E. Wollitz, cornetist.

KGW, Portland, Ore. (491.5), 12:30-1:30 p. m., Rose city trio; 6-7, dinner concert; 7:15-8, Catholic Truth society.

KHJ, Los Angeles, Calif. (405.2), 6-6:30 p. m., Leighton's Arcade cafeteria orchestra, Jack Cronshaw, leader; 6:30-7:30, history story, Prof. Hertzog; Jane Hughes, Joyce Coad, Dickie Brandon with Uncle John; 8-10, Castellammare program, Frank Mellne company, arranged by Walter Biddick; 10-11, Don Clark's Biltmore hotel dance orchestra.

KMTR, Hollywood, Calif. (238), 5-6 p. m., home hour with Mammy Simmons and pupils of Carter Weaver; 6-7, Starr Piano company studio; 8-10, The Turner orchestra, Loren Powell, director.

KNX, Hollywood, Calif. (336.9), 5:30-6:15 p. m., Wurlitzer pipe organ studio; Town Tattler; 6:15, travel talk, W. F. Alder; 6:30-7, Atwater Kent concert orchestra; 7-8, program; H. L. Crockett, Hudson-Essex dealer; 8-9, program, Willys-Overland dealer; 9-10, program, M. Weinstein, diamond merchant; 10-11, Ray West's Cocoanut Grove dance orchestra, Ambassador hotel

KTAB, Oakland, Calif. (240), 9-9:30 a. m., prayer service, Rev. G. W. Phillips; 8-10 p. m., studio program.

Friday, January 15

Headliners Today

Eastern	Central	Mountain	Pacific
8 p. m.	7 p. m.	6 p. m.	5 p. m.
KSD (545.1) Bartell and Cantillon, banjoists.			
8:30	7:30	6:30	5:30
WTIC (475.9) Fourth community night program.			
9	8	7	6
CNRT (356.9) A Nyghte of Olde Tyme Musick.			
KDKA (309.1) Teaberry time.			
WDAF (365.6) Wentworth Military academy.			
WSM (282.8) Ward Belmont college girls.			
9:30	8:30	7:30	6:30
WBZ (333.1) Novelty program, Tipple Pete.			
10	9	8	7
WLIT (394.5) Morning Glory club concert.			
12 m.	11	10	9
KNX (336.9) Order of Optimistic Donuts.			
WMC (499.7) Organ program.			

Friday, silent night for: CFAC, CHIC, CKNC, CKY, CNRC, CNRM, CNRO, CNRR, CNRW, KFEQ, KFMQ, KFUO, KFWA, KFXF, KGO, KLDS, KOB, KPRC, KUOM, PWX, WAFD, WBBR, WCAD, WCBD, WEAO, WEBW, WGBS, WGST, WHAZ, WIP, WJAZ, WKRC, WLW, WOS, WRC, WREO, WRVA, WSAI, WSUI, WSMB, WTAM.

Eastern Time Stations

CNRT, Toronto, Canada (356.9), 6:30 p. m., dinner concert, Luigi Romanelli and his King Edward hotel concert orchestra; 9, studio program; "A Nyghte of Olde Tyme Musick"; Daisy LaRush McAdam, soprano; Betty Thompson Mackenzie, contralto; A. C. Chapman, tenor and director; W. H. Norris, bass; Mrs. A. C. Chapman, accompanist; Patsy O'Shaughnessy Douglas, whistler; Fred Alexander, concertinist; Instrumental specialties; 11, dance program, Luigi Romanelli and his King Edward hotel dance orchestra.

KDKA, Pittsburgh, Pa. (309.1), 7:15, 8 a. m., morning exercises, O. Shannon; 10, domestic science and arts for the housewife; 5:15 p. m., Auntie Jim's letter from across the sea; 6:30, dinner concert; 8:15, U. of Pittsburgh address, "The Family Budget," Charles Reitell; 9, Teaberry time.

WBAL, Baltimore, Md. (246), 9-10 p. m., musical program; Alexander Sklarevski Alfredo Oswald, pianist; Bart Wirtz, cellist.

WBZ, Springfield, Mass. (333.1), 6:30 p. m., KDKA little symphony orchestra; 7:30, "Appreciation of Music," Prof. John A. O'Shea; 8, Hotel Kimball dance orchestra; 8:30, concert, Hotel Vendome, Samuel Seiniger, director; 9:30, novelty program, Frank A. Peters; 9:05 information concerning civil service examinations.

WCAP, Washington, D. C. (468.5), 6:45-7:45, Tower health exercises; 6:12, musical program, WCAP; musical program, WEAF; dance music, Wardman Park hotel orchestra.

WCAU, Philadelphia, Pa. (278), 7:30, Clarence Seamoen's concert orchestra; 8:15, Chiropractic talk; 8:30, Singing Ground Hound; 8:45, Carolyn Thomas the 437-American Radio trio; 8:15, Estelle Leonhardt, Radio song girl; 9:30, Billy and his saxophone; 9:45, Ed Kiefer, Radio humorist; 10, Willie Horowitz, songs and jokes; 10:30, Jack Myers Musical Architects.

WCX, Detroit, Mich. (516.9), 6 p. m., dinner concert, Book-Cadillac hotel; 9, studio program; 10, dance music, Graystone ballroom.

WEAF, New York, N. Y. (491.5), 6:45-7:20 a. m., Tower health exercises; 10:45-12 m., Betty Crocker Gold Medal Flour home service talk; musical program; 4-5 p. m., program; 6-7, dinner music, Hotel Waldorf-Astoria; 7-12, "Sir Hobgoblin Talk"; "Happiness Candy Boy"; Ford Motor company program; Eagle Neutrodyne trio; Spear and company, home entertainers; Hohner Harmony Four; dance orchestra.

WEAR, Cleveland, Ohio (389.4), 9:30 a. m., Goodyear concert orchestra, Ivan Francisci, director; 3:30 p. m., Goodyear concert entertainers; 7, Warmack's Singing syncopators; 8, F. W. Robert's children's Christmas party; 9, R. T. L. program; 10, Wormack's Singing syncopators.

WEEI, Boston, Mass. (348.6), 7:45 a. m., morning watch from Estey organ studio; 3, talk, H. J. Broughton; 5:10, Joe Herlihy's collegians; 6:45, Big Brother club; 7:30, Whiting's grade A five; 8, Sager's half hour of hospitality; 8:30, Neapolitan girls quintet; 9, musicale; 9:30, Carter's incas; 10, Scotty Holmes orchestra.

WFI, Philadelphia, Pa. (394.5), 10 a. m., menu talk; 10:30, solos; 1 p. m., tea room orchestra; 3, recital, Loretta Kerk, pianist; 6:30, Bellevue Stratford hotel concert orchestra; 7, Bellevue Stratford hotel dance orchestra.

WGCP, New York, N. Y. (252), 3 p. m., pianist; 3:15, Eddie Meredith, songs; 3:30, Hugo Angelo, tenor; Samuel Weber, blind pianist; 4:05, May Beelin, soprano; 4:15, Clarence Profit, pianist; 4:30, Leslie McLeod, tenor; 4:45, Charol de Thonee, pianist; 5, Jack Neal, songs; 7-7:30, Jonssen's orchestra; 7:45 program; 8, health talk; 8:05, Richard Cheatham's band.

WGR, Buffalo, N. Y. (319), 2:30 p. m., WGR's afternoon program; 6:30, Clef trio; 7:15, children's stories by Blanche Elizabeth Wade for the G. R. Kinney company; 8:25, address, "Government Insurance for Ex-Service Men" by Jos. H. Crain; 8:30, American Legion band, N. Y.; 9:30, Hewitt humorists; 10, jointly with WEAF, Ford Motor company program; 11, Vincent Lopez Hotel Statler dance orchestra, Harold Gieser, director.

WHAR, Atlantic City, N. J. (275), 2 p. m., Seaside hotel trio; 8, Seaside hotel trio; 11:15, Strand theater organ recital.

WHN, New York, N. Y. (361.2), 6-7 p. m., Littmann's dinner music; 7-7:30, Harry Richman and his entertainers; 7:30-8, Sidney Claire, Lew Brown and Al Shayne, songs; 8-8:30, standing by; 8:30-9, Jack Dinny's Frivolity orchestra; 10-10:30, Monico club orchestra; 10:30-11, Roseland dance orchestra; 11-11:30, Caravan orchestra; 11:30-12 m., Broadway Samovar orchestra; 12-12:30 a. m., Silver Slipper revue and orchestra.

WIP, Philadelphia, Pa. (508.2), 6:45 a. m., setting-up exercises; 7, setting-up exercises; 1 p. m., Gimbel tea room orchestra; 3, artist recital; 6:05, Benjamin Franklin concert orchestra; 7, Uncle Wip's bedtime stories.

WJR, Pontiac, Mich. (516.9), 7 p. m., Jean Goldkette's Petite symphony orchestra; 7:30, Arctic-Condon trio; 8, Summerfield and Hecht.

WLIT, Philadelphia, Pa. (394.5), 12:02 p. m., daily almanac; Stanley theater organ recital; Arcadia cafe concert orchestra; 2, Arcadia cafe concert orchestra; 2:30, playlet, students National School of Elocution and Oratory; 7:30, Dream Daddy's bedtime tales, Sunbeam party; 10, Morning Glory club concert; Arcadia cafe dance orchestra; Collins-Phillips vaudeville concert.

WLWL, New York, N. Y. (288), 11 a. m.-12 n., shopping talk

WMCA, New York, N. Y. (340.7), 6:30 p. m., Oliver Valli and his Hotel McAlpin string ensemble; 6:30-7:30, Ernie Golden and his Hotel McAlpin orchestra; 7:30-8, Sachs program, 8:15-8:30, Postal Pen, 8:50-9, Broadway association, 9-10, Hardman hour, 11-11:30, Club Caprice, 11:30-12, Jack Denos's orchestra.

WNYC, New York, N. Y. (526), 6:30, French lesson, 8:30, dance program; 9, song recital; 9:30, Kessler ensemble; 10:10 lecture, Carter Troup.

WOO, Philadelphia, Pa. (508.2), 11 a. m., organ recital, 12, Golden's Crystal tea room orchestra; 1:45, organ recital; 7:30, "Sir Hobgoblin," Blanc Wade; 7:45, Ritz Carlton concert orchestra; 8:15, J. W. C. Band, Arthur Rexander, director; 8:45, address, "Eyes and Ears of Children," Dr. Nathaniel Winkelman; 8, organ recital, Mary E. Vogt; Della M. Keller, contralto, 9:25, Fox theater orchestra; 10, Hoot Owl old-fashioned dance through WEAF; 11, Ritz Carlton dance orchestra.

WOR, Newark, N. J. (405.2), 6:15 p. m., words often mispronounced; 6:30, Bill Wathen in sports, 6:45, Man in the Moon stories for children; 7:30, Newark evening news.

WPG, Atlantic City, N. J. (299.8), 6:15 p. m., organ recital, Arthur Scott Brook; 7, Hotel Morton trio dinner music; 8, educational series, Helen M. Kennedy; 8:15, program; 9, Hotel Traymore concert orchestra; 10, James' salt water taffy boys dance orchestra; 11, popular organ selections, Jean Wilner.

WRC, Washington, D. C. (468.5), 10 a. m., women's hour; 12 m., Otto F. Beck, organist; 1 p. m., Meyer Davis' New Willard hotel orchestra; 3:30, U. S. Marine band; 5, Hotel Lafayette trio.

WREO, Lansing, Mich. (285.5), 6-7 p. m., Speed-Wagon serenaders; Gold Standard ensemble.

WTAG, Worcester, Mass. (268), 10:30 a. m., musical selections; 10:45, food hints, Miss Mildred C. Thomas; 12:05-2 p. m., luncheon music WTAG; 3-5, tea dansant music WTAG; 7:30-7:45, stories, Blanche Elizabeth Wade; 7:45, mechanics of speech, Meta B. Wade; 8, travel talk; 8:45, concert program.

WTAM, Cleveland, Ohio (389.4), 12:15-1:15 p. m., Guy Lombardo and his Royal Canadians; 6-7, Carl Rupp and his Hotel Hollenden orchestra.

WTIC, Hartford, Conn. (475.9), 10 a. m., talk, "How to Know When You Are Ill," Dr. Knowlton; 11:15, talk; 11:25, piano solos, Laura C. Gaudet; 11:30, housewives forum, Mrs. J. M. Dean; 12:05, luncheon music, Travelers club; 6:30, Skinnay and his gang; 6:50, dinner music, Hotel Bond trio; 8:30-12, community night program.

WWJ, Detroit, Mich. (352.7), 7:30-8 a. m., setting-up exercises; 9:30, tonight's dinner and special talk; 12:05 p. m., Jules Klein's Hotel Statler orchestra; 3, Detroit News orchestra; 6, dinner concert; 8, News orchestra and soloists; 9, dance program.

Central Time Stations

KFKX, Hastings, Nebr. (288.3), 1 p. m., special farm service day; 5:30, KDKA dinner concert; 9, Hotel Clarke studio, Y. W. C. A.

KFMQ, Fayetteville, Ark. (299.8), 7:30 p. m., basketball, University of Arkansas-Southern Methodist university.

KFNF, Shenandoah, Iowa (266), 7 p. m., half-hour discussion Sunday school lesson; 7:30, pipe organ concert.

KFVE, University City, Mo. (240), 9:15 p. m., amusement review, Romaine Fielding; Mae Miller, soprano; Mrs. Gertrude Watson, accompanist.

KMA, Shenandoah, Iowa (252), 11:30-12:30, noonday rural program; talk, G. H. Van Houten, music; 6-7, How-do-you-do boys, Grady and Doc; Auntie Blossom and the slumber boat; 9-11, entertainers from Maryville, Mo.

KPRC, Houston, Texas (296.9), 12 m., Frank Tilton, blind wonder boy pianist.

KSAC, Manhattan, Kans. (340.7), 9-9:25 a. m., music, talks, agricultural primer; 9:55-10:25 readings, backyard gossip, question box; planning today's meals; 12:35-1:05 p. m., readings, question box; "Native Fur Animals," Roy Moore; "Kansas Alfalfa Seed the best in the World", H. R. Sumner; 4:30-5, lessons in color and design; 6:30-7:30, travelog; Extension credit course, "Vocational Education"; Extension course, "Choosing a Good Investment," J. Kammeyer; "The Physics of Photography," J. O. Hamilton.

KSD, St. Louis, Mo. (545.1), 7 p. m., fur hour program, Bartlett and Cantillon, banjoists; 7:30, commerce hour program, Mrs. Thelma Hayman Carroll, contralto; 9, WEAF chain "Good Will" program.

KSO, Clarinda, Iowa (241.8), 12:30-1:15 p. m., farm talk; 7-7:30, eight piece orchestra.

KTHS, Hot Springs National Park, Ark. (374.8), 12:30-1 p. m., homefolks hour; 9-9:45, gems, familiar classics, New Arlington hotel ensemble; 9:45-10, Lawson Reid, organist; 10-10:30, Eastman hotel orchestra; 10:30-11 Mrs. Natalie Arnoux, violinist.

KWKH, Shreveport, La. (261), 8-9 p. m., Frank C. Littlefield's Hotel Youree orchestra; 9:30-1 a. m., dance music.

KYW, Chicago, Ill. (536), 6:30-7 a. m., morning exercises, Paul A. Leonhard; 7:30, morning family worship, Y. M. C. A; 11:15, talk, John C. Cutting; 11:35, table talk, Mrs. Anna J. Peterson, Peoples Gas company; 1, noonday concert, luncheon concert, Congress hotel; 6, dinner music, KDKA; 7:05, bedtime story, Walter Wilson; 9, music hour; 10-12:30, midnight revue, Heart square; 10, Paul Ash McVickers theater; 10:40-11:10, Coon-Sanders original Nighthawks; 12, Henri A. Keates, organlogue; 1 a. m., Insomnia club, Coon-Sander Original Nighthawks.

WAMD, Minneapolis, Minn. (243.8), 12 m., classical program; Ella Sundstrom Pendleton, soprano, Oscar Belham, pianist; D. A. Lindholm, baritone, Mildred Cliborne, contralto, Gladys Cliborne Iverson, accompanist; 7:05 talk; 7:10, Minneapolis public school hour; 11, George Osborn's Hotel Radisson skyrockets.

WBBM, Chicago, Ill. (226), 4-6 p. m., Valentino Inn orchestra; artists; 8-10, Tip trio; Moulin Rouge orchestra; artists.

WBCN, Chicago, Ill. (266), 10-10:30 a. m., Penny Wise, "The Shopper' Reads Helper," shopping talk; 2, 5:15 p. m., police bulletins; 7-8, Fireside hour, WBCN hobby club; George R. Cleveland, "Big Boy" Yagle, pianist; Will Rossiter, "The Daddy of the Song Publishers," tenor and songwriter; Harold Johnson, boy xylophonist; 10-12 m., request program; Midway dancing gardens orchestra; Eddie Matts and Billy Donovan, tenor and pianist; West End Harmony boys, in trimestial duo; E. I. Dompier, "The Silken Voiced Tenor," Alice McMahon, contralto; "Big Boy" Yagle, pianolist.

WCCO, Minneapolis-St. Paul, Minn. (416.4), 12 m., Dick Long's Dayton trio; 2 p. m., woman's hour; 2:30, Dick Long's Nandin cafe orchestra; 4, readers' club, Mr. Walter Steven; 5:30, Court of Gold Medal; 6:15, dinner concert, Emmet Long's Golden Pheasant orchestra; 7:15, "Marketing of Honey;" 8, health talk, Minnesota State Medical association, Olmstead County Medical society; 8:15, musical program, 9, Ford program, WEAF, old time fiddler, 10:05, Emmet Long's Golden Pheasant orchestra.

WDAF, Kansas City, Mo. (365.6), 6-7 p. m., The Tell-Me-A-Story lady; address, the Trianon ensemble; 8:30, Wentworth Military academy program; 11:45 l. The Pantheon player, Hotel Muehlebach; Eddie Kuhn's orchestra; Kansas City Athletic club.

WDOD, Chattanooga, Tenn. (256), 6:30-7 p. m., organ recital, Tivoli theater; 7-8, Hotel Patten orchestra; 8:15, special features and program; 11, popular requests.

WEBH, Chicago, Ill. (370.2), 11:30-12 m., women's hour; 3-4 p. m., musical hits from Uptown theater; 7, Edgewater Beach Oriole orchestra, dinner concert; 8, Pauline Sachs, soprano; Eleanor Kaplan, violinist; 9-10, light opera company; 11, Edgewater Beach Oriole orchestra, dance selections; Irene Beasley, 12:30, Jack Penewell and Fred Palmiter, special numbers.

WENR, Chicago, Ill. (266), 6-7 p. m., dinner concert, Rauland-lyric trio; double piano duets; soprano solos; 8-10, popular program, All-American Pioneers; Jack Todd, harmony four; Mabel Olsen, Merritt Stewart, xylophone selections; George Moran and Bill Alt, Hawaiian guitar selections; 12-2 a. m., midnight frolic, All-American pioneers; Frank Westphal, saxophone and banjo selections; vocal numbers.

WGES, Oak Park, Ill. (250), 5-7 p. m., Lydia Werner, soprano; John Brown, pianist; Katherine Gray, contralto; Edwin Kemp, tenor; Tiffin theater organ and orchestra; 8-9, Thomas Pappas, accordian; Tiffin theater organ and orchestra; John Stamford, tenor; McDevitt sisters; vocal duo; 11-1 a. m., Remington Welch, organist; Parish and Ward, Sandy McTavish, Scotch comedian; Bebb and Cameron, duetiists; Thomas Pappas, accordionist.

WGN, Chicago, Ill. (302.8), 11-11:30 a. m., household hints; 11:30-12 n., discussion of fashions; 12-12:40 p. m., public service period; 12:40-2:30, luncheon concert, Drake concert ensemble and Blackstone string quintet; 2:30-3, Lyon and Healy artist series; 3-3:25, public service period; 3:25-3:30, Port O'Missing Men; 3:30-4:15, tea time music, Marshall Field tea room orchestra; 4:30-5, organ recital, Edward Benedict; 5:30-5:57, Skeezix time; 6:30-7, dinner concert, Drake concert ensemble and Blackstone string quintet; 8-9, Drake concert ensemble and vocal artists; 9-10, Ford program, WEAF; 10-11, dance program.

WHAD, Milwaukee, Wis. (275), 11 a. m., pianologue, Andy Hertel; 4 p. m., Ira Schnell, baritone; 6-7, Arthur Richter, organist; 7, Bill Juhre's Radio Cartoon game; 8:30-10, Wisconsin theater revue; 35-piece Wisconsin theater concert orchestra; Dexter's Wisconsin roof orchestra.

WHAS, Louisville, Ky. (399.8), 1-2 p. m., concert, Royal Peacock orchestra; 3-3:30, organ recital, Mrs. Myrtle Fulks Zahn, Jr., at the Alamo theater; 1-5, musical selections, Harry S. Currie, director, assisted by Leroy Hobb; readings choice editorials; 7:30-9, concert, auspices Glee club of Louisville and Jefferson county children's home; Grace Deppe, director.

WHB, Kansas City, Mo. (365.6), 2-3 p. m., Sweeney Radio trio; 7-8, Sweeney Radio orchestra; Don Anchors, poet; Mona Motor Oil Cans.

WHO, Des Moines, Iowa (526), 7:30-9 p. m., Dessa Wolf, pianist; Myrtle Williams, soprano; Stewart Watson, baritone; Helen Birmingham, accompanist; 11-12, Bankers Life Corn Sugar orchestra.

WHT, Chicago, Ill. (399.8), 10 a. m., Jean Sargent's program, woman's club, Jelke Good Luck Girl, studio features; 10:45, Betty Crocker home service; 11, special studio features; 12 p. m., Al Carney's complimentary organ hour; 1-2, special studio program, Grayling's string trio; 6, classical program, dinner organ recital, Grayling's string trio; Bob York, tenor; Bernice Taylor, soprano; Mina Smith, violinist; Leola Alkman, soprano; 7:15 (238), musical features; 9:30, Dutch Masters, Loftis half hour of music, Freddie Whitmer, pianist; Samuel G. Rowe, tenor; Oscar Heather, tenor; Pat Barnes, tenor; Helen Rauh, pianist; Husk O'Hare's orchestra; 12, Pat Barnes and Al Carney.

WIBO, Chicago, Ill. (226), 10-11 a. m. shoppers' bureau; 2-4 p. m., popular shut-in program; 6-8, dinner concert, Walter Preston; WIBO trio; Rae McKay, Otis Pike Jester; 10-12, Oh Henry night.

WLS, Chicago, Ill. (344.6), 12-1 p. m., Ford and Glenn; 6:30, Ralph Emerson, organist; 7, Ford and Glenn; 7:15, Wallace Bruce Amsbarry; 8, Frank Great; 9, Ford and Glenn; 9, Ford and Glenn production; 10, "Songs My Mother Used to Sing;" 10:10, Ford and Glenn.

WLW, Cincinnati, Ohio (422.3), 7:30 a. m., exercises, William Stradtman, Y. M. C. A; 8, morning devotions, auspices of Parkway Y. M. C. A; 12:05 p. m., organ recital, Erwin E. Schenk; 12:30 concert, Hotel Gibson; Robert Visconti, director.

WMAQ, Chicago, Ill. (447.5), 12:25 p. m., Y. M. C. A. forum; 1, Radio farm school; 2, shut-in program; 4, talk on pre-school child; 4:15, "News of the Shops," Mildred Graham; 4:30, "Foibles of the Moment," Mrs. Graham Aldis; 4:45, Child Life stories; 6, organ; 6:30, wide-awake club; 8, musical lecture, Mr. and Mrs. M. E. Oberndorfer; 8:30, Whitney trio; 9, lecture, U. of C; 9:20, to be announced; 9:35, chimes.

WMBB, Chicago, Ill. (250), 7-8 p. m., Trianon duo, Frank Bordner, baritone, program, J. Rodewalt Lampe, director; 9-11, Trianon orchestra, Dell Lampe, Woodlawn theater orchestra, Grace Wells, Walter Dolfy, Scotty Welsh and Madison sisters, Babbe and Barr, popular program.

WMC, Memphis, Tenn. (499.7), 7:15 p. m., bedtime stories; 8:30, Atwater Kent Radio hour; 11 organ recital, Scottish Rite cathedral.

WOAI, San Antonio, Texas (394.5), 3 p. m., musical program, Kamma's Hawaiians; 8:30, musical program, Menger hotel trio.

WOAW, Omaha, Nebr. (526), 12:45 p. m., Sunshine Sunday dinner menu, recipe service; 1, Randall's Royal Fontennelle orchestra; 6, music review, Hester Bronson Copper; 6:50, Jaffy's string quintet; 9, classical program; 10:30, Frank Hodek and his Nighthingale orchestra.

WOC, Davenport, Iowa (483.6), 12:15-12:25 p. m., special farm service day; 3-3:30, Aunt Jane; 4-5, Crescent orchestra; 5:45-6, chimes; 6:30-6:50, sandman; 8-9, Rock Island Post, American Legion; 9-10, old fashioned dance program, Ford Motor Car company, 10-11, travel talk, Dr. B. J. Palmer.

WOK, Chicago, Ill. (217.3), 5-7 p. m., Capitol theater organ; Jean Carlson, soprano; Bob Mokrejs, pianist, George Allen, tenor; 10-1:30, Bernie Cummins Town club orchestra; Husk O'Hare's Cocoanut Grove orchestra; Capitol theater program; Arnold B. Stephenson, musical saw soloist; Harriet Lee, contralto; Herman Sinaiko, violinist; George Allen, tenor; Bob Mokrejs, pianist.

WOS, Jefferson City, Mo. (440.9), 8 p. m., program, Missouri Ozark chamber of commerce, Missouri association; varied musical program and address, Governor Sam A. Baker on "Missouri", George A. Pickens, "The Missouri Ozark Chamber of Commerce"; A. A. Buford, "Facts About the Big Springs Country of the Missouri Ozarks".

WQJ, Chicago, Ill. (447.5), 11-12 m., Ted Wilmer; 3-4 p. m., "First Radio Lesson," Helen Harrington Downing; pictures, George U. Gatling; 7-8, Rainbo Gardens orchestra; Henrietta Nolan, violinist, Otis Pike Jester, soprano, Mary Thrash Hearne, pianist, W. H. Bundy; 10-1, Ralph Williams and his Rainbo Skylarks; Katherine McDevitt; Dr. H. Lucille Long, woman harmonic player; Eleanor Terry, Marie Pollette; Melodians; Dean Terrill, baritone; Merritt Carder, baritone; Mary Wade, soprano; 1-2, Ginger hour.

WRR, Dallas, Texas (246), 12-1 p. m., Ethel Smith, pianist; W. W. MacBeth, harmonica soloist, Sheldon Leachman, tenor; 5:15, bedtime story; 6-7, dinner hour, Jack Gardner's orchestra; 8-9, Elena Monteil, soprano; Lucy Renard, pianist; Mrs. Ira J. Kennedy, contralto; 11-12, George Perfect, organist; artists, Pall Pierce studio.

WSM, Nashville, Tenn. (282.8), 6:30 p. m., Beasley Smith and his orchestra; 7, WSM bedtime story; interlude; 8, Ward-Belmont college girls; 10, program, Boston serenaders.

WSUI, Iowa City, Iowa (483.6), 12:30 p. m., musical program, Wm. G. Edmondson, tenor.

Mountain Time Stations

CNRE, Edmonton, Canada (516.0), 7:30-8 p. m., children's half hour with the farmer; 8:30-10:30, studio concert, University of Alberta; 10:30-11:30, dance selections, John Bowman and his orchestra

KOA, Denver, Colo. (322.4), 12:15 p. m., Rialto theater musicale; 3:15, exercises; 3:30, matinee for housewives; 4 culinary hints; 4:15, fashion; 6:30, Brown Palace string orchestra; 7:30, Smoke school hour, 8, musical program, Fort Collins, Colo., 157 Infantry band; Fort Collins Masonic quartet, ladies' quintet.

(Continued on page 30)

STATIONS IN ORDER OF WAVE LENGTHS USED

Meters	Call	Meters	Call	Meters	Call	Meters	Call	Meters	Call	Meters	Call
217.3	WOK	275	WHAR	305.9	WJAR	361.2	KGO	406	WBAR	468.5	WRC
226	WBBM	275	WORD	309.1	KDKA	361.2	WHN	410.7	CKAC	475.9	WBAP
226	WIBO	275.3	WJAS	315.6	KFDM	365.6	WDAF	416.4	WCCO	475.9	WTIC
240	KFVE	278	KOIL	315.6	WAHG	365.6	WHB	421	KIAF	475.9	WFAA
240	KTAB	278	WCAU	315.6	WGBS	370.2	WEBH	422.3	WLW	480	CYL
240	WOAX	278	WGBU	319	WGR	370.2	WJJD	422.3	WKRC	483.6	WOC
246	WBAL	278	WOQ	319	WSMB	374.8	KTHS	428.3	WSB	483.6	WSUI
250	WGES	280.2	WNAC	322.4	KOA	379.5	WGY	428.3	KPO	491.5	KGW
250	WMBB	282.8	WOAN	322.4	WJAZ	379.5	WHAZ	434.5	CNRO	491.5	WEAF
252	KFWB	282.8	WSM	325.9	WSAI	384.4	CKY	434.5	NAA	499.7	WMC
252	WGCP	285.5	WKAR	333.1	WBZ	384.4	KJR	434.5	CFCN	508.2	KLX
265.6	WMAK	285.5	WREO	336.9	KNX	384.4	WMBF	435	AT9	508.2	WIP
266	KFNF	288.3	KFKX	337	KFMX	389.4	WEAR	440.9	KLDS	508.2	WOO
266	WBCN	288.3	WLWL	340.7	KFAB	389.4	WTAM	440.9	WDWF	516.9	CJCA
266	WGHB	293.9	KTBI	340.7	WKAQ	394.5	WFI	440.9	WOS	516.9	WCX
268	WTAG	293.9	WEAO	340.7	WMCA	394.5	WLIT	447.5	WMAQ	516.9	WJR
270	WGHP	296.9	KPRC	344.6	WCBD	394.5	WOAI	447.5	WQJ	526	WHO
272.6	WBBR	299.8	KFMQ	344.6	WLS	399.8	WHAS	454.3	KFOA	526	WNYC
273	KWKH	299.8	KSL	348.6	KOB	399.8	WHT	454.3	WJZ	526	WOAW
272.6	WEBJ	299.8	WPG	348.6	KWSC	400	PWX	455	KTW	535.4	KYW
272.6	WFBH	302.8	WGN	348.6	WEEI	405.2	KHJ	461.3	WCAE	535.4	WHA
273	WRW	302.8	WLIB	352.7	WWJ	405.2	WJY	467	KFJ	545.1	KFUO
275	WHAD	305.9	KTCL	356.9	CKNC	405.2	WOR	468.5	WCAP	545.1	KSD

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The Pacific Coast vs. European Tests

BY NOW, of course, the objections of the Pacific Radio Trade association to International Week silence periods, may have been answered, but at the time of going to press, this association was reported to have recommended that Pacific coast stations continue to broadcast from 8 to 9 p. m., pacific time, all nights set aside for the tests.

The Pacific Radio dealer organization was inspired by the selfish thought that if the Los Angeles, San Francisco and other coast stations remained silent, the Radio listeners located on the slope would hear nothing, not have a ghost of a show at hearing Europe, and as a result, would condemn their receivers.

Evidence does not sustain this thought. San Francisco and Los Angeles listeners, using in some cases as small as two tube receivers, heard European stations last year during the International Week tests. Portland, Oregon, listeners were equally successful. In addition, the coast fans heard Japanese, Chinese, Hawaiian, New Zealand and Australian broadcasters. This year many of the foreign broadcasters have increased their transmitting power beyond that used in previous tests.

Give the coast fans a chance to listen in, and we'll prove to the Pacific Radio Trade association that the Rocky Mountains do not bar European reception.

What is more, if but as few as three coast stations, after reading this editorial, still go ahead and broadcast to the world when the rest of the U. S., Canadian and Mexican stations remain quiet for the tests, the whole plan will be ruined. Eastern, central, western, southern and coast listeners will hear the Pacific coast broadcasters, and the Pacific coast broadcasters for the most part. It is doubtful if many listeners would be able to get through the west coast barrage.

At any rate, many a listener, tuning in what they thought would be a European station, will find only the Pacific coast and nothing more. This, perhaps, will be learned after the listener has sat patiently through a half hour of music. A wonderful advertisement for the coast stations!

Imagine how peevish you would become upon learning that YOUR European station was located on the Pacific slope. You'd probably arrange to spend your next vacation in California. You'd probably arrange to eat more California oranges, grape fruits and raisins.

You probably would NOT!

It Costs to Broadcast

BROADCASTERS with the idea foremost in their minds of serving the public to the best of their ability, have undertaken a man-size job. The good will and publicity obtained as a result of the broadcasting is worth it, perhaps, but the work and money necessary to accomplish the purpose as near perfect as possible, is tremendous.

Believe it or not? Here are a few figures taken from a report on the year of 1925, at WEAF, A. T. and T. station in New York city. WEAF may be considered as typical of other large stations.

The station was on the air approximately 245 hours each month, or an average slightly in excess of eight hours each day.

During ONE month 454 features consisting of either individuals or groups appeared before the WEAF microphone. Of this 454, almost 300 were classed as "regulars," that is, program features heard each week at a definite time, and over 150 were "occasional" program features.

The monthly average number of individual artists entertaining from WEAF was 1,015, or about 34 each day.

Doesn't that sound as if the larger broadcasters had plenty to do? We, the dial twisters, have a difficult time attempting to visualize the immense investment and heavy operating expenses necessary at the microphone end of the entertainment coming through our loud speakers, but perhaps these figures will reveal what is back of the polished panel.

Good broadcasters spend lots of money entertaining and serving the public, and it is our duty to support them with our good will.

RADIO INDI-GEST

You Mean "Hearing"

When the old set howls and the air gets blue
As you twist the dials for an hour or two,
And the cats all fight and the panthers yell
As you twist and turn and cuss like—well—
Then all of a sudden she gives a "plop"
And Havana, Cuba, comes in like a top,
Without a whistle and not a squeak,
And it's the best reception you've had in a week—
AIN'T IT A GRAND AND GLORIOUS FEELING?
Old King Tutt

Where Is My Lariat?

Dear Indi: Last night I let Lopin Larry ride the ether range with me and when I rounded up a good Chicago station, he leaned back in a puncher's reverie and said, "Las sumer when I tuk a lode a steers to Chicago I met a gurl who wanted a man frum the grate opun spacus that ansurd my discribshun, but I sed being spliced wid a city gurl wud be to expensiv fur a comon hand and she sed fur her argyment that out side uf bord and rume thats all ther is. An you no Night Hurd I beleeved her cause her close hardly showed any wear.

THE NIGHT HERD

She was only a cowboy's daughter but I'm sure she knew her ropes.

Milwaukee Again—Beer Up!

My dear Mr. Indisgust: The herein contained material is guaranteed to be manufactured in compliance with the Federal Child Labor Law.

Distilled

BY THE THIRD TROMBONE PLAYER

Wot a show was the Wisconsin Radio Exhibit! Readers of this colyum will pardon me for the late report but I was waiting for the Radio Cricket, "Dielectric," who writes them snappy critickcisms in the next colyum. I told the guy months ahead to be here to take in the show and I was down in the Milwaukee Road freight yards every night but he didn't show up.

Gus Schmalzhagen was there. You know Gus was the guy that used to run a filling station on Reed street. He got pinched for giving away a shot of high test with each 5 gals. low test gas. Now he's selling Super Six Radios. A lady bought one and when she got it home she found it was a Silent Six.

They had a broadcasting studio right on the stage. Izzy Einstein appeared in a swell program.

When I was mingling with the crowds being careful not to reveal my indentity because some of the boys might have high potential missives of displeasure in their pockets, a crazy man ran thru the crowds hollering, "A horse, a horse, my Radio for a horse!" A dick stopped him and said, "Why the horse?" The guy says, "I want to gallop to Zion City at a speed not exceeding 15 miles an hour and prove to Voliva out of my geography that the world is round!" The dick layed him out and as he dragged him away a bystander remarked, "That lad would come back on foot!"

One exhibitor was selling Radio dictionaries. I sent one to "Dielectric." He sent it back. Says there was too many misspelt words in it and besides he hunted all thru the A's looking for athema and it wasn't in and he knows darn well there is such a word as he used it himself in one of his critickcisms.

There was at least a dozen guys selling devices for increasing the range of a receiver. One guy claimed 50%, another 35% and one 15%. I bought them all and stuck them on my Globe Do-or-Die set. On tuning in I could get nothing but local, I went back and kicked to the guys and they said I increased the range so much that I was getting around the world with it and was getting stations from the place I started from.

"Oh, How I Miss You Tonight, Tra La"

Graham McNamee should cease to roam—
Cut out his tours and stay at home.
He's the best announcer on the air,
And gee, but we're lonesome when he's not there.

A. K.

NEWS GRIEFS FROM THE BROADCASTERS

By Eddie's Son

New York.—Listeners to Station WLWL were given a real treat the other night when the K. K. K. concert orchestra rendered a delightful program.

* * *

Miami Beach, Fla.—All Flordia has gone wild over the latest song broadcast from WMBF. The song is entitled, "Let's Wander Away to Cal-i-for-nigh-a" and was composed by a prominent Florida real estate man. Stations WGBU, WGHB and WJAX are also featuring the number nightly.

* * *

Zion City, Ill.—J. H. DePew made his last announcement for WCBD, here, tonight. He leaves tomorrow for Kansas City to assume his new duties as "Merry Old Chief" at WDAF. Jerry Sullivan of WQJ will succeed Mr. DePew at WCBD.

Add Talents of Dairy Maid

"Louise Maier is the 'Alamito girl' heard from WOAW every Wednesday at 1:10 p. m. She conducts this important health service very efficiently. Miss Maier has had considerable dairy experience."

—From WOAW Radio Bulletin, Omaha, Nebr.

?????? Give the calf more rope!

Giving Him the "Air"

Condensed

BY DIELECTRIC

One of the stations put on a special dance number, as announced, for the accommodation of a friend of the announcer who was giving a party. No doubt these dance programs are being used by many who previously depended upon a phonograph to supply the music. When you are in search of programs of popular dance music turn to WEBH, Chicago, while the Oriole orchestra is performing and see if they please you. Maybe I'm wrong.

Do you listen to ukes, and if you do, did you happen to tune in to WADC, Akron, Ohio, one evening recently as the Royal Hawaiian trio was doing its bit to entertain you? Never having had the experience of visiting the Hawaiian Islands, I cannot compare the work of this trio with native players, but surely the dreamy effect of plunking, gliding airs found skilled artists performing in the studio that evening. There is little variety to the melodies produced in that southern clime, yet they fascinate.

A solicitous correspondent to this paper suggested I be presented with a two tube super-het. Well, it so happens the set I use needs no improving. What IS needed is the annihilation of about three hundred puny, interfering stations, and the separation of the remainder, so a resident of a congested area is not faced with four or five stations trying to occupy the same position on the dials at one time. Did you step into Mexico while the department of education was broadcasting a talk in Spanish from CZE, Mexico City? Neither did I understand the address, but the Puccini number which followed anyone could appreciate. It was well rendered.

Station KTHS, Hot Springs, Ark., is to be congratulated for putting on the air an orchestra program which came through perfectly and left no wish that other numbers had been substituted for any one of them. As we sat back to recall the beauty of the final selection our reverie was broken with the stirring announcement of a bank robbery at Washington, Ark., and Dielectric turned from art to philosophy—why write?

If the broadcasting stations want to put something in the place of soprano solos to enrich their programs, let them secure a good instrumental trio or quartet. The very highest form of music is that known as chamber music and Station WSAI, Cincinnati, should be commended for the splendid concert arranged in their studio by a stringed quartet of more than average ability. The lady who announced each number was familiar with the music and aided to a more complete understanding by sharing her knowledge with the listeners in, which is indeed a desirable practice.

Jefferson City, Mo., is a city familiar to most Radio listeners however far away their homes, because WOS has broadcast to them for many months and the circumstances surrounding a certain inmate of the penal institution there was nation-wide news. In determining to review a program from this station I was actuated as much by pleasant memories of previous hearings as by duty to cover as many broadcasters as possible. So in listening to an orchestra playing there I was favorably inclined at the outset—and remained so while cold-bloodedly appraising their work. It is the wish to help studio directors that criticism is made, or to aid listeners choose programs, and not to vent spleen under a nom de plume.

My Experiments With Underground Antennas

Work of Station 3XR, Hyattsville, Md.

By Dr. J. Harris Rogers

WHILE many who have installed the system claim that static is entirely eliminated, I frankly acknowledge that such has not been my experience. Atmospheric disturbances are reduced, and sometimes to a very remarkable degree, depending largely upon the locality and the nature of the soil and the depth of the buried wires. The best results are obtained in moist earth, or when laid in

Dr. Rogers at the lead-in end of one of his static-free aerials. Note the hollow tile, through the center of which the underground aerial runs.

fresh water, or when buried to the depth of "water earth." Signal strength increases in proportion to the depth to which these are placed below the surface of the earth, and static correspondingly reduced.

Owing to the directive features, they should be laid in the direction of the sending station; and, consequently, to receive maximum signals from all points of the compass, three or four are necessary. For broadcast reception, 75 to 100 feet of perfectly insulated wire (ignition cable), buried, gives good reception; but better results are obtained with metallic covering—for example, small gas pipes, and still better when the insulated wire is run through the center of 5-inch terra cotta pipes (see photo).

Signals are stronger on elevated antennas, and more amplification is needed on the buried ones, but owing to the reduction of static, the latter is more efficient, especially in localities swept by electrical disturbances.

Very remarkable results are reported from various sections of the country, for both sending and receiving, some claiming that static is entirely eliminated.

Several lengthy papers prepared by Commander A. Hoyt Taylor and Lieutenant A. Crossley have appeared in the Proceedings of the Institute of Radio Engineers, and I herewith quote a few extracts.

"(a) The history of the Navy's connection with ground wire work, based on the Rogers system, has been briefly outlined.

"(b) It has been shown that it is possible to receive very efficiently signals from stations at any wave length, long or short, using submerged or subterranean wires, provided that one or two stages of amplification be used.

"(c) The directivity of the wires has been carefully examined and it has been proven that signals coming at right angles to a given wire pair are excluded, while signals coming parallel to the wire pair are received with maximum intensity.

"(d) The feasibility of utilizing this system with its highly directive and highly selective properties for distant control work has been demonstrated.

"(f) The importance of adequate insulation has been indicated.

"(g) The relative advantage of ground wire reception on short waves lies in the ability of the receiving operators to continue to copy messages through violent storms without danger to themselves and with little or no interruption of traffic. The very great advantage in the suppression of summer strays is noted on all waves but particularly on short ones. The manner of the suppression of strays seems to be not only a reduction in intensity all around, but a remarkable reduction in the frequency of the strays. Although the ground wire system appears in many respects to be aperiodic, the fact that an optimum length of wire exists for short waves, stands as a hitherto unexplained contradiction.

"(h) Reception in fresh water or wet soil is enormously superior to that of bare wires above or on the surface or in dry soil. As the wire is lowered into water or into wet ground, the signals increase, whereas the strays are reduced. How deep the wires may be buried with advantage is not yet known. . . .

"Summary.—After an historical review of the work of the United States Navy with underground and underwater receiving systems, the author gives data demonstrating the possibility of effective reception on such systems, particularly when using amplifiers.

"These systems are found to be directional toward waves traveling parallel to the length of the wire pair. This directional selectivity, which is marked, is applied in control stations for duplex working.

"For such underground systems, an optimum wire length for best reception is found to be roughly proportional to the wave length (for short waves) and independent of the direction of approach of the signal. The existence of this optimum length gives further utilizable selectivity. This length is independent of the nature of the surrounding medium and varies inversely as the capacity per unit length of the wire. The wire in question must be well insulated.

"Reception through violent storms, and suppression of summer strays (particularly at short wave lengths) are found.

"It is found that lowering such wire systems from above ground into wet soil or into water greatly increases the signal strength and diminishes strays.

"Transmission at short wave lengths, over considerable distances, using such systems has been found possible with low power sustained wave transmitters. . . .

"In previous papers, one of the writers has indicated some of the advantages of subterranean receiving system for remote control purposes. Those advantages may be briefly enumerated again here.

"First.—Ground wires have high degree of directivity which can be utilized for shutting out nearby interferences.

"Second.—For short waves they have an optimum wire length which may be utilized to obtain a far higher degree of selectivity than is possible with an ordinary antenna.

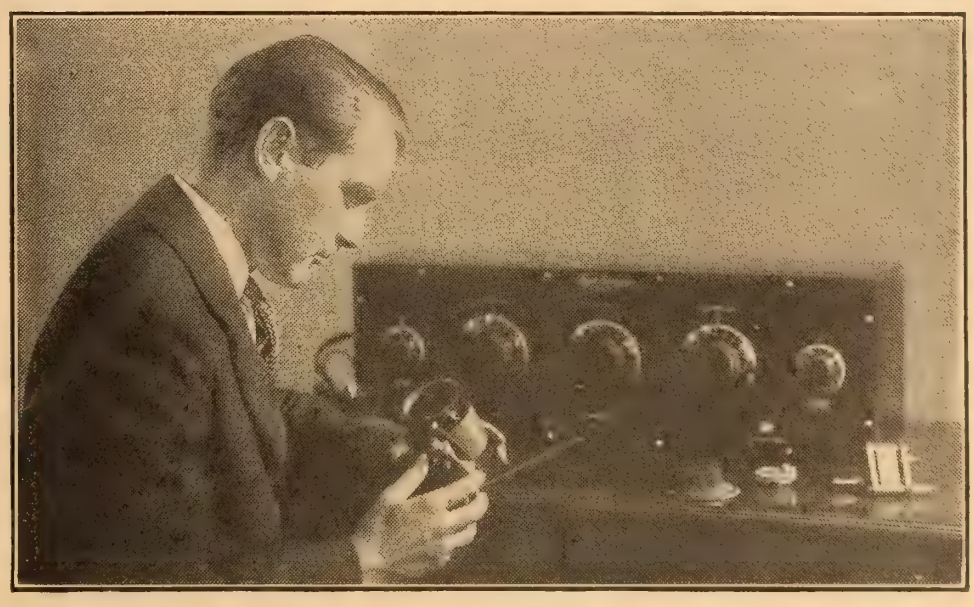
"Third.—Static is entirely eliminated, permitting successful operation without danger to the operators through heavy storms.

"Fourth.—All strays are greatly reduced if it is possible to obtain moist ground for the installation.

"Fifth.—The ground wires lend themselves readily, under proper conditions of installation, to the use of balanced or stray eliminating system. . . .

"The question is brought up concerning the efficiency of the system on short wave lengths when using high amplification. To this we may say that reception on short wave lengths by means of the underground system has never been affected by local static. This statement is based upon tests covering a period of two years, wherein the underground system for short wave lengths has been used through all atmospheric conditions, and at no time have

(Continued on page 24)



How I Earn $100.00 a Week as a Radio Expert

A year ago I was mighty blue and discouraged. It seemed to me that I would never be more than a low-paid bank clerk. Of course I had a small increase in salary every now and then, but I knew that pretty soon I would reach my limit and there would be no further advancement for me. What future had I to look forward to? Where would I be in five years? I became restless and discouraged and began to look around for some other opportunity.

It was then that I discovered that the demand is for **trained** men, that the opportunities are all for men who can do some one thing better than anything else. There were wonderful opportunities for men who were experts or specialists—but I was..... a clerk. How I regretted then that I hadn't prepared myself for some definite career!

I Wanted to Marry

The thing that made me more restless at that time than anything else was the fact that Marian and I were—that is, we wanted to be married. But we both knew that we couldn't possibly get along on my small salary. If only there was something I could do that would bring me a larger salary!

It was just about the time that everyone became so interested in radio. Our whole town became radio-mad, and of course what was happening in our town was happening all over the country—all over the world. I managed to save up enough to buy a receiving set and I was never quite so happy as when I was trying to tune in on stations.

The thing fascinated me. Playing with air waves! Bringing melodies and messages out of the sky! I was never so interested in anything before.

Marian was the first to sense the great opportunity. "Why don't you become a radio expert?" she said. "You like it, and I am sure there must be a big demand for men who understand it. It's a new field and there's plenty of room for wide-awake men."

"But—but I'm not trained!" The thought excited me. To be a radio expert! To find my future in this fascinating new field! "I don't know anything about it, Marian," I said. "I wish I did, though."

"Well, why don't you find out about it," she retorted. "You can't learn about radio just by listening in to the concerts. Why don't you take a course?"

But we found out that most courses were expensive or that they would interfere with my other work. We were about discouraged when I discovered that through the National Radio Institute it is possible to become a radio expert by studying right at home in spare time. I told Marian about it and she was elated. "Send off for information, at once—today!" she exclaimed.

Advances Quickly to $100 a Week

I did, and the following day received an important booklet, "Rich Rewards in Radio" telling all about radio opportunities and how to become an expert in any particular phase of the work.

Here was my opportunity at last!

I began to study in all my spare time. It was the most interesting and absorbing study I had ever made. The secret of the radio revealed to me! Day by day, I became more skilled and deft until I was able to take apart receiving sets and put them together again as though I were playing with a toy. It was fun! In a month I was able to take a position as lineman at a bigger salary than I was getting at the bank. This was wonderful experience for me, and I kept right on with my studies. It wasn't long before I qualified for a position as radio engineer at a salary of $100.00 a week! That is what I am earning now, though I expect to make more soon. It seems to me almost too good to be true, after all those years as a low-paid clerk in a bank. And Marian, who will soon be my bride, keeps saying, "I told you so!"

As a radio expert I can tell you that there is a tremendous demand for men who can build, sell and install radio sets, who can design, test, repair. Men are needed as engineers and executives, all over the world. The opportunities are limitless, and if you like radio there is no reason why you cannot qualify for one of these positions by studying in your spare time at home as I did.

The National Radio Institute offers an absolutely complete course which prepares you for the Government First Class Commercial License and for the bigger paying jobs in Radio. The Director, E. R. Haas, will be glad to send you all details of their marvelous new method of practical instruction, including information concerning the Free Employment Service which secures positions for National Radio Institute graduates. Everyone interested should have this information. **It's free,** and this coupon will bring it to you. I advise you to send it off today. Radio is a new and interesting field, and it offers you more money than you probably ever dreamed possible!

Important

Those who mail the coupon **at once** will also receive details of Special Short Time Reduced Rate. Do it now.

National Radio Institute, Dept. AU9
Washington, D. C.

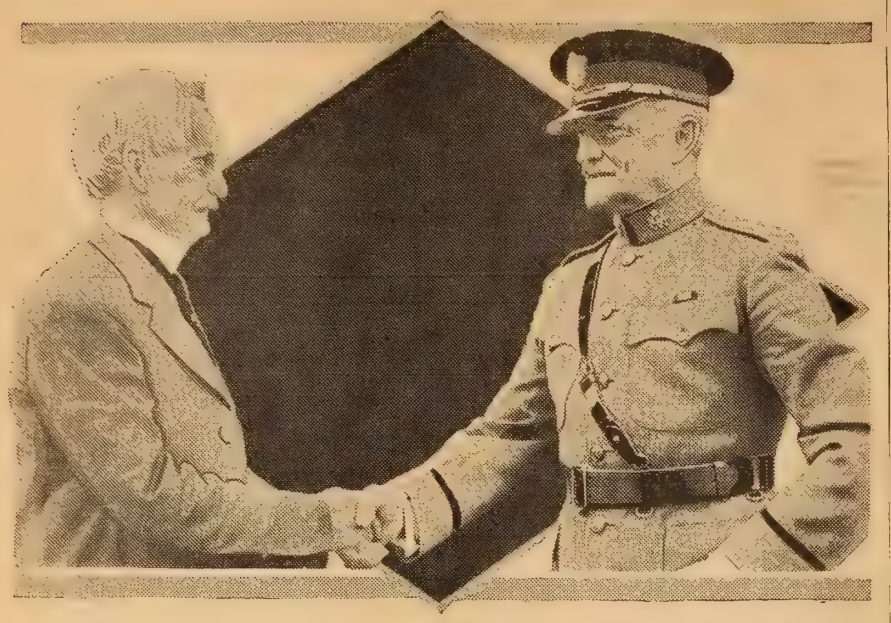
I am interested in radio and would like to find out whether or not I am suited for a radio career. Please send me, without the slightest obligation, your interesting free book called "Rich Rewards in Radio." Also full detail concerning your special Short Time offer.

Name .....

Address .....

City ..... State .....

"BLACK JACK" VISITS DR. ROGERS



General Pershing congratulating Dr. Rogers, upon visiting his laboratory.

UNDERGROUND AERIALS

(Continued from page 23)

the operators been required to leave the instruments on account of the dangerous effect of local lightning storms.

"The foregoing statements have been verified at Norfolk, Great Lakes, and New Orleans, where many cases were recorded when the regular antenna had to be grounded to prevent damage to the set, and that during this time the underground system was used exclusively to handle all traffic. Stray elimination by the underground system on long wave lengths is not so pronounced as it is on short wave lengths, but by the use of the underground system in conjunction with the balanced system, this trouble is overcome.

"The underground system has excellent directional qualities. Using two wires in the direction of the transmitting station, the maximum signal is obtained; while using two wires which lie in a direction which is at right angles to the transmitting station, the minimum signal is obtained, and in many cases the signal is not heard. It is possible that the operator on watch can, at any time ascertain the approximate direction from which the signals are coming by means of using various combinations of wires. A good stand-by tune, by which the operator can hear all stations, is obtained by the use of two wires at right angles to each other, namely an east-and-south or east-and-north combination, and so on."

Transmission

After I demonstrated to the navy that signals from Europe were easily received and that transmission was practical for short distances with wires buried or laid in water. Lieutenant Crossley stated:

"(i) Preliminary experiments on transmission with subterranean wires have shown that transmission with low powers and continuous short waves is possible over considerable distances. The greatest communicating distance obtained was between Great Lakes and Chicago, a distance of 36 miles (58km.), with 0.8 of an ampere in the underground wires. Interesting possibilities are indicated by these transmission experiments. With specially insulated wires and amplifying receiving sets, much greater distances can undoubtedly be obtained."

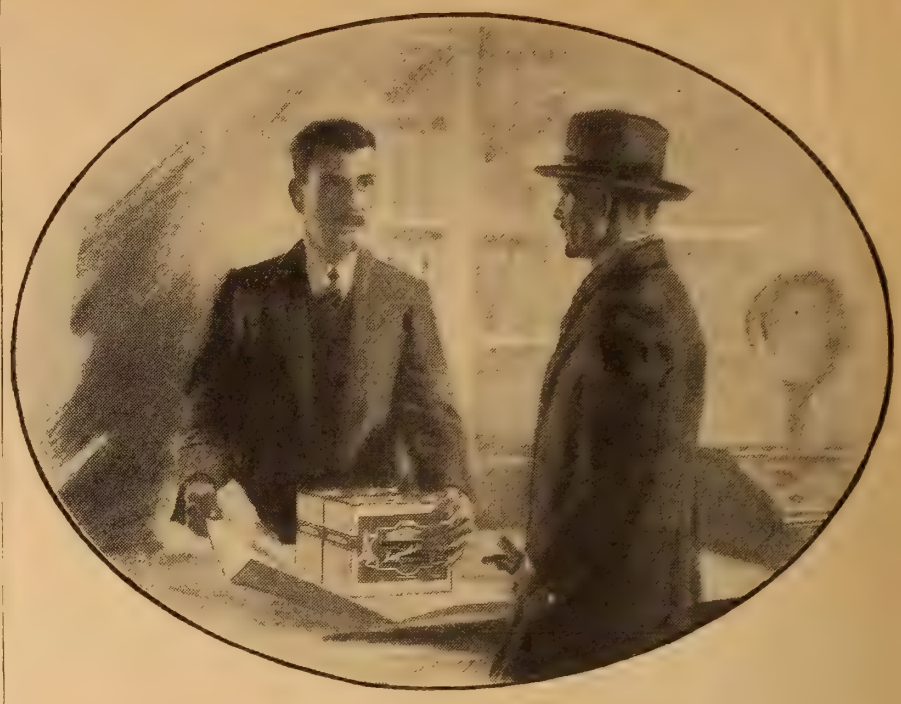
The most remarkable development in transmission was achieved during the latter part of the war, when the navy equipped submarines with specific devices according to my patent. With this device submarines were enabled to communicate with each other, whether afloat or submerged.

Just about a year ago I renewed my transmission tests, using three 50-watt tubes, and was enabled to transmit to practically all stations from Canada to South Florida, and from the Atlantic to the Pacific. The greatest distance reached was Toulon, France, station of J. M. Sarazes, F8SM. These tests demonstrated: (1) That fading is eliminated; (2) That while not conclusive, it appears that signal strength is as great during the day as night; (3) That there is no "skip distance"; (4) That communication is steady and reliable; (5) That owing to the directive character, greater distances can reliably be attained with minimum energy.

A hydrometer permits the operator to know the condition of charge that exists within the battery. A full charge will float the graduated tube high, and when the battery is discharged it will sink.

Bare copper wire of No. 18 gauge makes a good connector between instruments, and is sometimes preferable to the harder bus bar.

A loose contact or partly worn out "B" batteries frequently create disturbances that sound exactly like static.



"These Eveready Batteries are the correct size for your set. With average use they will last you a year or longer"

"YOU have been one of the many who use 'B' batteries that are too small in capacity for their receivers. That is not economical. It makes you buy 'B' batteries twice as often as necessary. Fit the right size Evereadys to your set and add a 'C' battery,* if you haven't one, and you'll get the maximum of service at the minimum of cost."

The life of your Eveready "B" Battery depends on its capacity in relation to your set and how much you listen in. We know, through investigation, that the average year-round use of a set is two hours a day. Taking that average we have proved over and over that on sets of one to three tubes the No. 772 Eveready "B" Battery used with a "C" battery will last a year or longer. On sets of four and five tubes, the larger heavy duty Eveready batteries used with a "C" battery will last eight months or more.

The secret of "B" battery satisfaction and economy is

—*With sets of from 1 to 3 tubes, use Eveready No. 772.*

—*With sets of 4 or more tubes, use either of the heavy duty batteries, No. 770 or the even longer-lived Eveready Layerbuilt, No. 486.*

We have prepared for your individual use a new booklet, "Choosing and Using the Right Radio Batteries," which we will be glad to send you upon request. This booklet also tells about the proper battery equipment for use with the new power tubes.

Manufactured and guaranteed by

NATIONAL CARBON CO., Inc.

New York San Francisco

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*NOTE: In addition to the increased life which an Eveready "C" Battery gives to your "B" batteries, it will add a quality of reception unobtainable without it.

EVEREADY HOUR
EVERY TUESDAY AT 9 P. M.
Eastern Standard Time
For real radio enjoyment tune in the "Eveready Group." Broadcast through stations—

WEAF–*New York* WFI–*Philadelphia* WSAI–*Cincinnati*
WJAR–*Providence* WGR–*Buffalo* WWJ–*Detroit*
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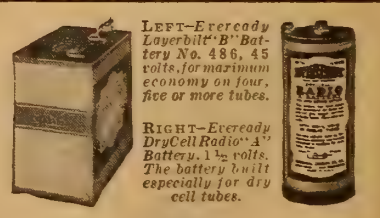
WTAG–*Worcester* WCCO–*Minneapolis, St. Paul* KSD–*St. Louis*

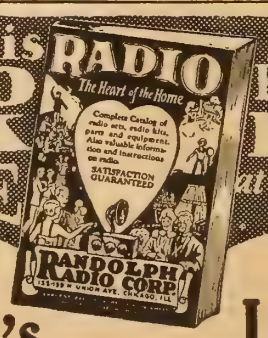


LEFT–*Eveready Layerbilt "B" Battery No. 486, 45 volts, for maximum economy on four, five or more tubes.*

RIGHT–*Eveready DryCell Radio "A" Battery, 1½ volts. The battery built especially for dry cell tubes.*

EVEREADY
Radio Batteries
–they last longer

Send for this RADIO BOOK FREE



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64 illustrated pages containing thousands of bargains in radio sets, semi-finished sets and radio kits of all styles, sizes and approved circuits. Beautiful models of the very latest designs and types. Elaborate console models with **loud speakers built right into** cabinets of genuine mahogany and walnut. **ALL SETS GUARANTEED.**

Our line includes all popular sets, such as **Superheterodyne, Neutrodyne, Ultradyne, Reinartz, Regenerative,** Radio Frequency, Browning-Drake, Reflex and all other latest circuits. Kits, sets and parts manufactured by all well known manufacturers, such as: **Frost, Howard, Baldwin, Brandes, Western Electric, Columbia** and others.

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Every article exactly as represented. Every article is tested before shipping. Complete satisfaction or money cheerfully refunded.

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Our Catalog
includes complete list of broadcasting stations and general information and facts about our free service division. Our radio engineers will help you solve all your radio problems. Send your name and address on a card or in a letter. We will send catalog FREE.

OPERATING AND TROUBLE SHOOTING

OPERATING and Trouble Shooting, is a Radio Digest feature, the purpose of which is to give practical information on the operation, care and cure of simple troubles in every kind of receiver. Standard Radio receivers of wide distribution and use are studied from the standpoint of instructions for installing and connecting, tuning and operating, and remedying little difficulties. The suggestions below, if executed faithfully, will make winter broadcast listening yield all there is to yield to the reader and give your set a fair chance to show its worth.

For the Owner of an Apex Super Five Receiver

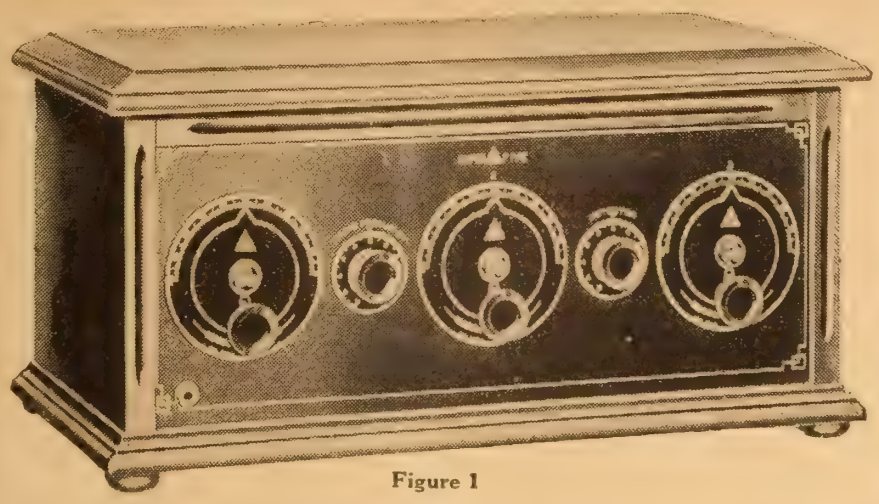


Figure 1

SUPER FIVE is a tuned radio frequency outfit that can well be classed with the "better" group of sets of this type. The designer was plainly both conscientious in his combining of symmetry and efficiency, and knew his business. Frankly, we liked this receiver exceptionally well. No attempt has been made to combine controls and tuning is done with three dials operating independently. The smaller dials are a sensitivity or regeneration control, and a rheostat for the two radio frequency tubes and the detector. This is not a particularly complicated arrangement and the user quickly learns the knack of tuning.

The antenna and ground system to be used with Super Five can be anywhere between 35 and 75 feet over all from actual ground connection to furthest end of straightaway wire. Since the average ground lead is about 10 feet, and the average lead-in is about 25 feet, it is recommended that the straightaway between insulators be 40 feet. This aerial installation should be well insulated, as high above surrounding buildings and trees as possible, and at right angles to street car lines, lighting and power lines, etc. The connection to ground should preferably be made to a water pipe with ground clamp. The surface of the pipe should be scraped clear of corrosion all around, for a length of about 2 inches and the clamp applied at this point. The wire from the ground binding post of the set is then secured to the clamp. Two binding posts are found at the rear left corner inside marked ANT. and GND.

A special means, exclusive to the Apex, is provided for making connections to the batteries. Within the set, just to the right of the ANT. and GND. binding posts is a peculiar looking little block with five springs secured around it. Through a large hole in the back of the cabinet you push a bakelite plug connected to a five wire cable and this plug fits down over the block to make all connections to the set simultaneously. This set was operated on both dry and wet B batteries, several B eliminators and two different A power units. There is nothing peculiar about its circuits that prevents it being used successfully with any of these devices.

If B batteries are used it will be found good policy to use two units of 45 volts each. Among the storage battery units, Prest-O-Lite, World and Hawley are suggested while of all the dry B types, the Eveready number 772 units will be most economical. To the negative terminal of one of the B batteries, connect the yellow covered wire in the cable. The plus terminal of this same B is to be connected by a short wire to the minus of the other B and also to the blue wire in the cable. The plus post of the second B gets the salmon colored covered lead.

The power supply to light the filaments of the tubes may be either a six volt storage battery or one of the A power units on the market. In either case there will be a plus and a minus terminal for the two remaining wires in the cable. The plus post of the battery will be identified by POS., a + sign or a daub of red paint. To this terminal connect the bright red wire of the cable. The second post of the storage battery is, of course, the negative and this gets the green covered wire. The terminals of an A power unit would be connected the same way. If storage batteries are used for both A and B supply, they can be charged without removing cable connections, provided plug is pulled from its pillar in the receiver, which can be done through the hole in the back.

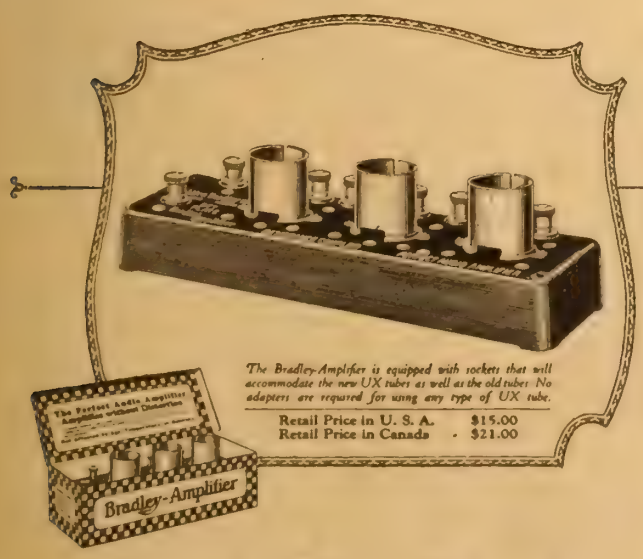
This set may be operated without a C battery as the two C battery binding posts are connected together at the factory. With B battery voltages of 90 or less, the C battery is not absolutely essential, although its use will improve the tone quality, noticeably. It will also decrease your B battery drain, which is equally important. The Eveready C unit is suggested with the "minus" and "plus 4½" posts connected to these corresponding posts within the set. Be sure to remove the wire connecting the C+ and C— binding posts before connecting the C battery. The use of this set without C battery is discouraged by the manufacturers.

The speaker binding posts are located on the base panel, inside, over toward the left and attention is called to the fact that one is plus and the other negative. The speaker terminals at the end of the twin conductor speaker cord are identical in appearance except that one has a red or green tracer thread woven into the insulation. This terminal must go to the + speaker binding post in the set.

Five tubes of the A type are to be used in Super Five. These can now be inserted in the sockets and, for first trial, no particular attention need be paid as to which goes in any particular socket. The filament switch is to be turned to the "On" position and the small dial marked "Detector" turned to the right. All tubes should light up and, with the "Detector" dial at about 80 we are ready to tune this set.

This set is provided with three vernier tuning dials and their settings will be rather close for any given station. Due to the influence of the antenna and ground,

(Continued on page 26)



The Bradley-Amplifier is equipped with sockets that will accommodate the new UX tubes as well as the old tubes. No adapters are required for using any type of UX tube.

Retail Price in U. S. A. $15.00
Retail Price in Canada $21.00

A-B Allen-Bradley

The Heart of the Bradley-Amplifier

TUCKED away within the polished bakelite base of the Bradley-Amplifier are six inconspicuous, solid molded resistance units known as Bradleyunits.

The Bradleyunit is the heart of the Bradley-Amplifier because it alone can amplify the incoming tone frequencies without distortion. It replaces the ordinary bulky audio-frequency transformer and eliminates the most frequent cause of distortion in a radio receiver. The Bradleyunit cannot deteriorate or change with age.

Surprise Your Friends

With The Improved Tone Quality of Your Set

IT IS NOT ENOUGH that a good radio receiver is selective or is able to bring in distant stations. Quality of reproduction is now considered as important as selectivity and sensitivity.

Fortunately, the tone quality of your radio set can be quickly improved and perfected without disturbing the existing wiring of the set. All that is necessary is to replace your present audio-transformer amplifier with a Bradley-Amplifier. This compact unit employs no transformers and amplifies all tone frequencies with faithfulness and clarity, and without distortion.

It is a mark of distinction to have a radio receiver of fine tone quality and you will surprise your friends with the remarkable improvement in your set that follows the use of a Bradley-Amplifier. It is as easy to install as a B-Battery and usually can be installed within the receiver cabinet.

Be sure to try one, tonight.

Ask Your Nearest Radio Dealer for a

Bradley-Amplifier
Resistance-Coupled
PERFECT AUDIO AMPLIFIER

ALLEN-BRADLEY CO.
290 Greenfield Ave.
Milwaukee, Wisconsin

Please send me, by return mail, literature on the new Bradley-Amplifier.

Name.....

Address.....

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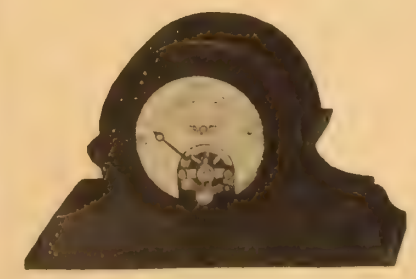
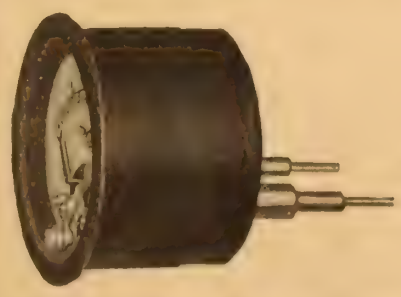
JEWELL

NEW



135-C Portable Voltmeter with cords, plug and adapter.

While designed for use with Radiolas Nos. 20, 25, 26 and 28, this Portable Voltmeter, double reading 7.5 and 150 volts, can be used with other sets for checking tubes and batteries.



135-A Voltmeter with special prods in rear.

135-A is for use with Radiolas Nos. 25 and 28. The prods fit into the jacks on the panels of the sets. 0-5 volts for control of tube filaments.

Send for Circular No. 739 describing these two new instruments; also Circular No. 735 describing the Jewell Junior Tube-Checker for checking tubes at home.

JEWELL ELECTRICAL INSTRUMENT CO.
1650 Walnut St., Chicago
"26 Years Making Good Instruments"

THE APEX SUPER FIVE

(Continued from page 25)

which varies with each installation, dial number 1 will be somewhat different throughout the scale, from the others, but dials 2 and 3 will be practically identical in their settings. There will be slight exceptions to this when adjusted for very maximum sensitivity and range but never more than 1 or 2 degrees difference.

The radio frequency control located between dials 1 and 2, is the vitally important adjustment on this set, as its proper adjustment, in conjunction with the tuning dials, will increase both the volume and selectivity. Super Five is so designed and constructed that it can be made to oscillate at all wave lengths below 500 meters on the average aerial, as any set of the tuned radio frequency type is most sensitive and selective when operated just below the oscillating point for any wave length. The radio frequency control can be left in such a position that set can be made to squeal at any point on the dial but this is to be avoided due to the disturbance caused in neighboring sets.

After a little practice in tuning, you will learn the approximately correct position of the radio frequency control for different positions of the dials and it should be kept at a point just below that at which thumps are heard when the three dials are brought to correct settings and resonance. The lower the wave lengths being tuned, the farther back must the radio frequency control be set. On different antennas, the radio frequency control takes different settings in its relation to dial settings and, if the antenna has extremely high resistance, the control may not bring receiver up to regeneration on the higher wave lengths. The setting of this control will also change slightly for different B voltages on the pink lead of the cable. If regeneration or squeal cannot be obtained at higher tuning dial settings, increase the voltage between the pink or salmon colored lead and the minus B. Any B voltage up to 135 volts may be used and the higher the voltage the greater the volume and, occasionally, the greater the range. On voltages over 90, a C battery of 6 volts should be used.

When receiver is operating, and tuned exactly to an out-of-town station, vary the blue lead on your B battery as some A tubes require a rather critical B voltage for best results as a detector. Good reception was obtained with voltages down to 16 on this lead but trying several tubes in this socket showed the average best voltage was close to 45. Burn your radio frequency and detector tubes as low as possible, as controlled by the small dial between tuning dials 2 and 3, without loss of signal strength, and try slight readjustments with a distant station tuned in. Once you have determined the lowest (most economical) setting of this control, with full volume, you can leave it there.

(The Thorola Islodyne, a receiver of wide distribution and usage, will be explained next issue in another "Operating and Trouble Shooting" article.—Editor's Note.)

Soldered joints in a receiver are better than loops over binding posts because they insure better and more lasting contacts.

KGW 'HOOT OWLS' HOOT

(Continued from page 7)

decided to hold meetings each Monday and Friday night from 11 o'clock to midnight. This custom was later revised to make the meetings come each Friday night from 10:30 to 12, midnight. This revised schedule has been strictly observed since its inauguration.

Now for the frolics, themselves!

Each Friday night, promptly at 10:30 and without warning, the KGW microphone is switched on the air and a squeaky, tinny, and extremely wierd conglomeration of noises pour out into the air. The wise, initiated listeners will immediately recognize this as originating from the Owlorgan, a form of calliope adopted by the degree team as their official musical instrument. Speaking of music, though, no Hoot Owl meeting is complete without seven or 'steen kinds, in varied and amusing forms. There's always a good, live, peppy jazz band around with a little scintilliating syncopation; solos by some good vocalist like "Enigma," the mysterious Hoot Owl Mystery Maid, or Helen Nordstrom Booher, snappy blues singer, or Kathleen Duffy, merry little Irish soprano; the Whiffledophus or, in everyday English, a marimba spanked by Julius Walter, KGW staff pianist; snappy Pantages headliners; or maybe blues songs by Grand Songsmith Alan (Punch) Green, who sings his own original numbers and tickles out an accompaniment on a ukulele that just delights in making music for Hoot Owl listeners. Then there's the educational

(Continued on page 29)

The New Radio Book HOW TO -

Operate Sets
Construct Parts
Improve Reception
Understand Radio
Assemble Circuits

FREE With One Year's Subscription to Radio Digest

THE greatest assemblage of facts and hints, from actual everyday practice, ever gotten together. Edited by the technical staff of Radio Digest it supplies the demand for a book covering every phase of Radio from a simple explanation of Radio reception to a technical explanation of the different parts of a set which leads to the best reception possible. The sections on selecting and making sets develops the different types of sets and circuits with diagrams to explain same. "How to Operate" gives detailed information on the operation of all the well-known sets. The section of general information contains a complete Radio map and schedule and a section of workshop kinks which save time and money. Now is the time to take advantage of the exceptional offer as listed in the coupon for your convenience.

This Handy Radio Reference Book Is Yours Today

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Enclosed find five dollars for one year's subscription to Radio Digest including FREE the New 124 Page Radio Book called "Radio Receivers—How to Operate and How to Make."

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Straight Frequency Line Tuning with KARAS Orthometric Condensers

Specified for the Prize Winning "Straight-8" Super, described in this issue by Christen and Fournier.

Note the long eccentric plates

Made entirely of brass—plates patent leveled and securely bridged to insure permanent alignment. Every joint soldered. Grounded frame and rotor. Adjustable cone bearings. Spring copper pigtail.

How They SIMPLIFY the Tuning of Any Radio Set

Ordinary Condenser Arrangement of Wavelengths

Ordinary straight capacity condensers crowd 70 of the 100 wavelengths into the first 30 points of the dial.

Straight Wavelength Condenser Arrangement

With straight-line-wavelength condensers 57 of the 100 wavelengths are crowded into the first 30 points on the dial.

KARAS ORTHOMETRIC CONDENSER Arrangement of Wavelengths on Dial

Karas Orthometric Condensers insure absolutely equal dial separation of all wavelengths, 200 to 600 meters.

If your dealer hasn't secured a stock of Karas Condensers

Order on this Coupon!

Most good dealers everywhere, sell Karas Orthometric Condensers. If your dealer happens to be one who hasn't secured them, we will supply you direct on our 30-day Money-Back Guarantee. Just fill in and mail this coupon at once. Send no money. Pay your postman on delivery.

SIZES AND PRICES

23 plate, .0005 mfd	**$7.00**
17 plate, .00037 mfd	**6.75**
11 plate, .0025 mfd	**6.50**
5 plate, .0000972 mfd	**6.50**

Karas Electric Co.,
4044 N. Rockwell St., Chicago

Please send me.....Karas Orthometric Condensers, size.....at $.....each. I will pay the postman the list price, plus postage, on delivery. It is understood that I have the privilege of returning these condensers any time within 30 days if they do not prove entirely satisfactory, and you will refund my money at once.

Name.....

Address.....

Dealer's Name.....

If you send cash with order, we'll send package postpaid

ABC Radio Fundamentals for Everybody

Chapter I—Audio and Wire Telephony

By Milo Gurney

NEARLY three years ago, just another new "Whiz Bang" circuit pest darkened our editorial door, and before we could offer him the usual courtesy of being thrown out, he had sold us the idea that like Rome, his circuit had not been built in a day. We signed for three "how to make" articles—we published twenty-three. Eight thousand fans built it, and over twelve thousand fans inquired about it. Then he finally confessed.

All of which is but a preface toward re-introducing to you Milo Gurney—the Mystery Man—King Miloplex, familiarly known as King, which he admits is correct outside of his home. Mr. Gurney begins with this issue a series of fourteen articles upon "Radio Simplified," each interesting, instructive and replete with simple explanations which all may understand. You'll have to read this series. He's just as good as ever.

Milo Gurney

WHILE it has been the writer's pleasure to have compiled a great many articles of a technical or semi-technical nature, which made an appeal only to those interested in the construction of Radio receivers, or the principles involved in their design, he has for a considerable period been requested by literally thousands to answer questions concerning such articles, from the Radio fans of this and other countries. The majority of these have very definitely indicated that altogether too many of such constructors were securing but mediocre results from such receivers as they constructed, because of one of two apparent facts, viz, they were either denied an

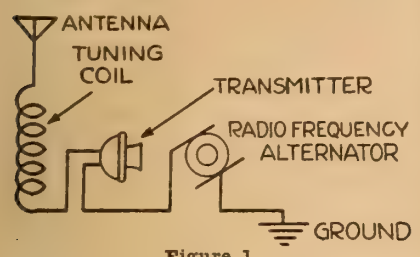

Figure 1

opportunity to study the theory and application of Radiophone telephony, in order that the associated apparatus comprising such receivers might be arranged and correlated in a manner to insure satisfactory results, or, not unlike the Arkansas traveler, who could not discover any logical reason for mending his leaking roof so long as it did not rain, they, too, cared little or nothing about giving any thought or study toward learning just why the wheels went 'round. Just so long as the receiver repeated sound, all was well, and the moment it failed to function, they could "let George fix it" through appealing to the technical editors of Radio magazines.

Obviously, this attitude was fundamentally wrong, and yet I am most grateful to the vast majority who made appeals for help to me, as it furnished, through their letters of inquiry, an opportunity to secure a most comprehensive study of that which the public desires in Radio receptors. They were of incalculable value toward more simplified design, together with a most interesting expose of the pitfalls which should be avoided when writing construction articles in order that the builders may be assured of greater satisfaction.

Radiophone telephony is, seriously, so truly marvelous as a means for the transference of intelligence that it is justly entitled to command a much clearer understanding of the simple formulas which govern its mode of transmission and reception. With this thought in mind, it will be the author's purpose in this series of articles to simplify the complex technicalities of Radio as the engineer approaches it, through explaining by the use of analogies which are within the experience of all laymen—each a counterpart of the public's every-day life, each detail surrounding the methods employed, and the appartus required, both for the transmitting station as well as the receiver; to attempt to lift the veil of uncanny mystery which appears so broad and overshadowing in its effect as to frighten the tyro into the belief that only from years of study and experience can one hope to comprehend, in even a small measure, just what it is all about.

Less than 18 years ago, following the invention of the Alexanderson alternator, an installation, using a part of the circuit shown in figure 1, this decided assistance toward greater achievements in the then comparatively new art or science of wireless transmission, both voice and music were transmitted a distance of 12 miles, and shortly thereafter to the then phenomenal distance of close to 200 miles, while today the transmission of both voice and music has been verified over a distance of 11,700 miles, or practically half way around the earth. This distance was so great that a considerable discussion has arisen within the engineering fraternity as to whether the reception from the broadcasting station was received from the East or West, because of the likelihood of error in the measurement of distances to the point of reception. This accomplishment is cited not only to indicate the vast strides toward perfection which have taken place, but to impress upon the reader's mind the importance of learning something relative to the whys and wherefors surrounding this agency which is commanding such universal attention.

Audio telephony, or the process whereby one person may carry on a conversation with another through the medium of the air, is in a large measure very closely related to the methods used not only in our everyday telephone conversations, but also in the transmission and reception of Radiophone telephony, each resembling the other with respect to the passage of energy from the transmitter, or speaker, to the receiver, or listener, which has at its inception been molded, or in the terminology of Radio been modulated, into the form of wave which the listener may identify and understand. This modulation is not visible, but a compounding which is readily recognized by the ear. In no sense could the ear distinguish the modulation of writing, which would, however, be the only means of recognition by the eye.

Figure 2 (page 28) shows the manner in which sound waves pass or travel from the speaker to the listener, the voice of the speaker causing the surrounding air to vibrate, and thereby starting the waves of compression and rarefaction which travel unchanged to the listener's ear,

(Continued on page 28)

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Positively given *Free* with each purchase of a WORLD "A" Storage Battery. You must send this ad with your order. World Storage "B" Batteries give you economy and performance unheard of before. They deliver unfailing power that is clear, pure and quiet. Tested and Approved by Leading Authorities.

2-Yr. Guarantee Bond in Writing

with each Radio "A" and Auto Battery. WORLD Battery owners "tell their friends." That's our best proof of performance and is chiefly responsible for the tremendous growth of the Company. Compare these prices—then send your order in TODAY.

Solid Rubber Case Radio Batteries		Solid Rubber Case Auto Batteries	
6-Volt, 100-Amperes	$11.25	6-Volt, 11-Plate	$11.25
6-Volt, 120-Amperes	13.25	6-Volt, 13-Plate	13.25
6-Volt, 140-Amperes	14.00	12-Volt, 7-Plate	16.00

Radiocast Station **WSBC**

Set your Radio Dials at 210 meters for the 1000-watt World Storage Battery Station, WSBC, Chicago. On the air nightly, between 6:30 P.M. and 8:30 P.M. and 10:00 P.M. and 1:00 A.M., with intensely interesting programs for your approval and enjoyment.

SEND NO MONEY!

Just state battery wanted and we will ship day order is received, by Express, C. O. D., subject to your examination, on arrival. FREE "B" Battery is included.

EXTRA OFFER Five per cent discount for cash in full with order. Buy NOW and get a guaranteed battery at fifty per cent saving to you.

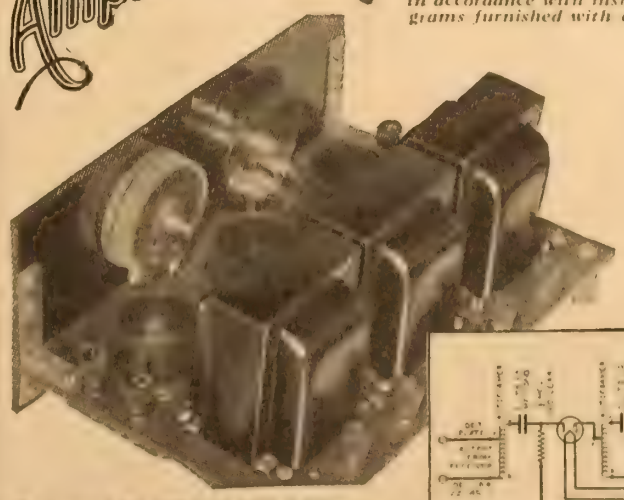
WORLD BATTERY COMPANY
1219 S. Wabash Ave., Dept. 48 Chicago

World Batteries for Radio

4 Big Improvements in Amplification!

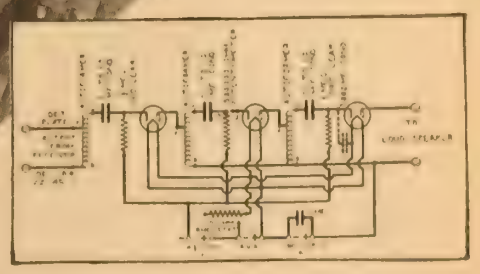
1 Full amplification of those bass notes hitherto largely "lost".
2 Greater clarity on all notes.
3 Improved reception of distant programs.
4 Better volume control.

A Thordarson Autoformer Amplifier built in accordance with instructions and diagrams furnished with each instrument.



fans!

Send for our new interesting bulletins on Autoformer amplification. They contain hook-ups and complete directions.



No note is too low—no note is too high—to be fully amplified by Thordarson Autoformers. Autoformers are *all frequency amplifiers*—they amplify with even magnitude ALL notes within range of the human ear. Developed, perfected and built only by Thordarson.

THIS latest Thordarson development—the Autoformer—utilizes for the benefit of your radio set, the same principle used in the line amplifiers adopted by the more recent high-powered broadcasting stations. The excellent tone quality of these stations—due to perfect amplification—offers proof of Autoformer effectiveness.

Autoformer amplification is for those who seek the finest reproduction of programs to be had. May be used with any set in place of regular audio transformer hook-up. Full directions, with diagrams, supplied with each instrument. Autoformers are $5 each.

Sold by the Leading Dealers

THORDARSON ELECTRIC MANUFACTURING CO.
Transformer specialists since 1895
WORLD'S OLDEST AND LARGEST EXCLUSIVE TRANSFORMER MAKERS
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HOW SOUND WAVES COMPRESS AIR

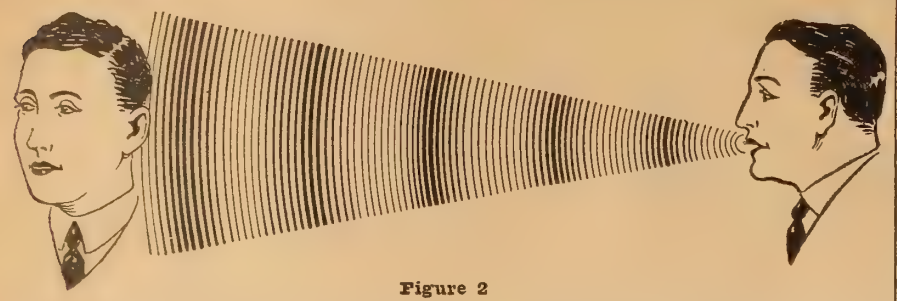

Figure 2

ABC'S OF RADIO SETS

(Continued from page 27)

where they in turn create rapidly varying vibrations upon the listener's ear drums in synchronism with the modulated sound wave received, which are shown as continually expanding spheres. The amplitude, or width of the band, is portrayed by the shaded portions in the drawing.

In wire telephony a like condition obtains, with the exception that the sound vibrations are carried through the wires electrically. In, or during, this procedure a continuous direct current of electricity is continually passing through the transmitter and receiver of the telephones being used, thus replacing the air medium as used in audio telephony or voice conversation. During this continual travel of direct current, so long as it is not modulated, both the transmitter of the telephone and the receiver will remain silent. When, however, a voice or other sound is made which strikes against the diaphragm of the transmitter, it in turn causes the diaphragm to vibrate and in doing so the resultant varied to-and-fro motion compresses also at varying degrees a mass of tiny carbon granules held within a container directly back of the transmitter diaphragm and through which the above-mentioned direct current of electricity is also traveling. This alternate varying compression of the granules increases or decreases the resistance of this mass, which in turn retards the free flow of the direct current and establishes a fluctuating or pulsating current which follows the connected wires of the two telephones unchanged, creating a varying pull and release upon the diaphragm of the receiver, which is an exact reproduction of the vibrations which were originally started at the transmitter, thus causing the listener to hear a repetition of the speaker's voice. The pulsating current thus created being and constituting the molding or modulation of the original sound, it is obvious that we have not changed the basic principles as used for person-to-person conversation, but have taken advantage of the wire and its associated electrical current as the medium for the transference of sound. It should be clearly understood that in wire telephony it is an electric current rather than the sound itself which flows through the wires, and it is this current, modulated to our requirements, actuating purely mechanical devices, which are capable of reproducing the wave form of the sound in the manner shown through figures 1 and 2.

While wire telephony has become so common that it is now not even given passing notice, but is accepted as a medium which has always been existent, I would be unfair did I not mention that to this day vast armies of scientists are continually employed for the sole purpose of continually bettering the results of voice communication by telephone, and it would not be surprising, because of this intensive study, to read an announcement, within a very short time, to the effect that overseas telephony is now available to those desiring to take advantage of it.

(In next week's article Mr. Gurney will take up the inter-relation of Radio to the fundamentals of voice communication, explaining in his interesting manner the mystery which surrounds this latest of scientific wonders.—Editor's note.)

RADIO RULES GEORGIA

(Continued from page 4)

simple matter. We had the local Russian garrisons bottled up; the passes are few and, passing over the topmost heights of the wild Caucasus, are easy to defend, provided one can prevent the Russians using the railway line.

"It so happened that the party to whom we had, in September, 1924, confided the all important task of blowing up these bridges, failed in its attempt and was surprised and dispersed by a Red detachment. There was another of our forces within striking distance, but we who led the movement were not able to warn it in time. They got our order to march on the bridges just too late; when they got there they found the Russians had rushed armored trains and troop convoys to the place and held it in such strength that with the means at our disposal an attack was hopeless.

Bridge Lost the War

"That lost us the war. Otherwise, we could have stood our ground till our brethren from Adzerbadjan, who were being secretly armed and equipped by the Turks, could have joined up with us."

The lesson has not been lost, and when next the fiery cross is sent round the Caucasus valleys to summon the Georgians to arms, Radio will not be wanting.

In the meantime Radio is already there, keeping the spirits of the people tense, helping to prepare for the next rising, a powerful, invisible enemy of Russian rule, present everywhere, seen nowhere.

The Georgian Provisional government, with the president, M. Jordiana, at its head, took refuge in Paris, where it still exists and, thanks to Radio, keeps in constant touch with its people.

Unlike many others, the Georgian government, in its hurried and enforced exit from its native land, was able to take with it abundant sinews of war. These shiploads of wealth were duly saved; cash, manganese, gold and silver ware, the treasure of the Georgian churches. The cash supplied the means for the September rising. The manganese was sold here in Constantinople, and with part of the proceeds, in the beginning of 1925, a powerful Radio transmission set was bought, with a large number of receiving sets.

These were packed in forty cases and smuggled across the frontier on donkeys' and mules' backs with the connivance of the Turkish officials. The station works "somewhere" in the lonely hills, in a place known to but a few of the leaders, and carefully watched over by faithful picked tribesmen so that no Russian ever gets near it.

Leaders Own Receivers

Receiving sets are owned by the principal leaders in their mountain fastnesses, and two of them are in the city of Batoum, carefully concealed. In some ways one of these is the most important, for it supplies a daily news service to Georgia's only free newspaper. This sheet, depending entirely on this clandestine Radio for its news, is published daily in secret, and, despite all attempts of the "Cheka," the Russian secret political police, to check it, is distributed throughout the country, and can be bought by those in the know, under the very nose of the Russian policemen in the streets of Batoum.

Thus does Radio keep alive the flame of independence and patriotism throughout Georgia,

The headquarters of the Georgian movement are, as stated, in Paris, where by a curious anomaly, since France has recognized the Soviet government, the members of the Georgian Provisional government are still on the regular diplomatic list. But it would obviously be a breach of diplomatic etiquette on the part of France to allow one of her sending stations to be used for the purposes of the Georgian leaders, so the actual transmission is done via Constantinople.

Up till now the transmission station used has been that of Osmanie, just outside of Constantinople. This station is shortly to be renovated and will be greatly increased in efficiency. The new station will have two alternators of 25 kilowatts each.

The transmission station in Georgia, the purpose of which is to keep the members of the Georgian government in Paris informed of everything that goes on in the country, is of 30 kilowatts.

Paris Hears from Georgia

Constantinople relays the messages received, which are eventually picked up in Paris. A special code is used, so that the messages are not easily decipherable.

The Russians have long suspected the existence of this secret Radio organization and have made the most strenuous efforts to locate it, but so far in vain. They have tried to counteract its effect by broadcasting Red propaganda from their Tiflis station, but this has been singularly ineffective, for the good reason that almost the only people in Georgia who have receiving sets are the leaders of the independence movement who are, of course, quite impervious to the Tiflis propaganda.

The code messages received by the Georgian central station are, if they are meant for publication to the people, relayed "in clear" to the secret receiving stations.

To Keep Your Cabinet New

Modern Radio cabinets are made with the same care and finish as fine furniture, and just as much pains should be used in cleaning and polishing them, if their original beauty is to be preserved. It is only necessary to follow a few simple rules in order to keep cabinets in the best of condition, according to experts of the Crosley cabinet factory.

Before polishing a cabinet, the dust should first be wiped off with a piece of cheesecloth. A mixture of equal parts of benzine and parafin oil should then be applied, with a clean piece of cheesecloth. Finally, all traces of the oil should be thoroughly polished away. Regular rubbing with oil in this way will not only preserve the finish of the cabinet, but actually improve it in the course of time.

Scratches accidentally made through the finish, in such a way as to expose the natural color of the wood, may be covered up by the use of a little mahogany or walnut stain (according to the finish of the cabinet). After the scratched or rubbed part has been stained, a thin coat of shellac should be applied to it. This should be allowed to dry thoroughly, and another thin coat of shellac applied. After the second coat has thoroughly dried, the whole cabinet should be carefully polished, as outlined above.

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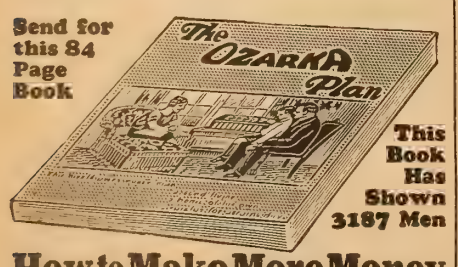

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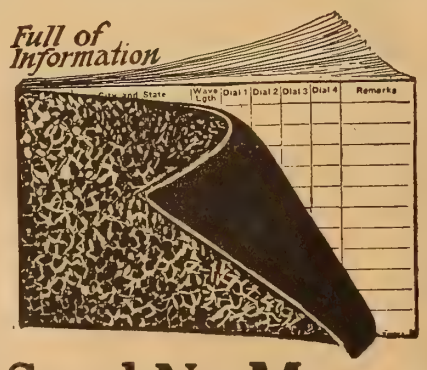

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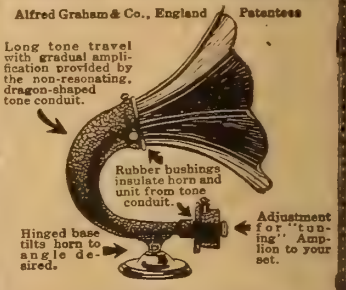

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RADIO

Straight-8: Outside Aerial Tuned R.F. Super

Part IV—Adjusting and Operating

By A. Christen and Jacques Fournier

MANY readers who have built superheterodynes before are apt to go into the operation of Straight-8 with too much confidence for best results. As was stated at the beginning of the series, this receiver is peculiar in many ways and there are several important points to adjust before the maximum can be gotten out of it. First of all, however, we will get this outfit hooked up with its accessories and then the symptoms observed will direct the corrective measures.

Considering the set from the front, the antenna lead-in connects to the first binding post at the left, while the connection from ground goes to the second post. The positive terminal of a 6-volt storage battery is then connected to the third binding post, its negative terminal to the fourth. Now insert all tubes in their sockets, eight "A" tubes being used. Turn all rheostats over toward the right and note whether all tubes light up and whether rheostats give proper control of brilliancy. The rheostat at the left end should vary the brightness of tube 2, that in the center should vary tubes 3, 4, and 5, while that at the right should control tube 6.

Connecting Batteries

Then connect the negative post of a B battery unit to the fifth binding post and its plus 45 to the sixth. Its plus should also be connected to the negative of another B unit and the plus 45 of this second B goes to the seventh post. An Eveready 4½-volt C battery is then placed to the right of socket 7 and the first Meloformer, with its minus post toward the rear. The flexible lead from the F terminal of the Meloformer goes to minus while the plus 4½ clip goes to the flexible lead connected to the front left post of socket 7. The flexible wire mentioned at the end of operation 15 goes to the minus terminal of a C battery of either 4½, 7½ or 9 volts while the plus end of this C goes to the flexible wire of operation 16. There is room for these last named C units under the sub base just to right of bracket.

A loud speaker can now be plugged into either jack in lower left corner and tuning tried. The rheostat at left is turned practically all the way to right, as is that at the center. The rheostat at the right is turned to point about straight upward. The potentiometer at right is turned to point straight upward also. On the original model the dials are found to be in resonance about 10 figures apart. When that at the left reads 30, the other reads 40 at maximum tuning of a station. Yours will vary from this slightly but not much.

Corrective Measures

At this point there may be any one of four things wrong. The left potentiometer may be advanced too far to the right, the right potentiometer may be too far over, the left and center rheostats may not be far enough over, or the feedback within the set may be reversed. Try different settings of the rheostats and even the position where tube is full on. The right potentiometer, if turned too far to right, will develop a loud roar in the speaker, as, in that position, it permits the three intermediate tubes to go into oscillation. A setting just to left of the roar or loud hiss point is that of maximum sensitivity.

You can readily determine whether the feedback around tube number 2 is correct by dampening the forefinger and touching the grid post of socket 2. There should be a "pluck" in the speaker as your finger touches and, more important, another when the finger is removed. If, with the left rheostat turned clear to right, this cannot be heard it will be necessary to reverse the connections of coil L5. These connections were covered by operation 19 so refer to that and connect the leads from socket 2 and the Victoreen coil just the opposite, as regards inner and outer end, to description. It all depends on how you wound and mounted this coil.

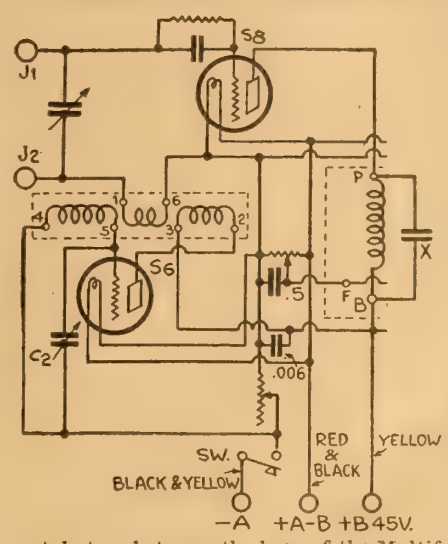
With tube 2 oscillating well, we can now proceed to the next point. Due to the fact that 2 is oscillating and tube 1 is a sensitive R.F. amplifier, you may find at first that it is difficult to keep 1 from oscillating or being too regenerative. When the left potentiometer is clear around at left, it should stop this, with increase of regeneration and sensitivity as it is turned to right. Should this potentiometer not afford sufficient control, three remedies are possible. As mounted beneath the baseboard, the 25-turn primary is ¼ inch from the double coil. By altering your mounting arrangement, and bending the bracket slightly, you can move this coil further away from the double coil. Of course you are limited as to how far you can separate them but when experimenting with this point we found a distance of 1⅛ inches could be secured.

A further corrective measure is to cut down the number of turns on the single 25-turn coil to about 20, by removing turns from the inside. This will also have the effect of making the tuning sharper. If this method does not appeal to you, or you find the tuning plenty sharp already, disconnect the + terminal of the first Victoreen unit (that under socket 2) from the B+90 wire to which it is now soldered, and put in another binding post at rear edge of sub base for this + terminal of the Victoreen. From the B battery run a wire to this post giving 67 volts; that is, connect the wire to the 22½-volt clip on the second B battery unit which gives 67 volts between that point and minus on the first B unit.

The chief point about this set is its selectivity and, as you now have it, there should be sharpness of tuning sufficient to suit anyone. Either of the first two oscillation control measures mentioned above, namely separating the coils or removing turns, will help, but, for selectivity, the better corrective measure is to either separate the coils on the sub base further or remove turns from the 10-turn antenna coil. Try cutting these out, from the center, two at a time but do not go any further than taking off 4 turns.

Various values of C battery may well be tried in the tuned R.F. stage which is tube 1. This is the C battery connected to the center terminal of left potentiometer and to left variable condenser rotor. You will get harmonics on very nearby stations; that is unavoidable when within 10 or 12 miles of them. However, if you are out in the great open spaces instead of the Rogers Park or Edgewater districts of Chicago, these will not be found. Don't be afraid to experiment with this outfit, it has in its circuit and principle the last word known at this time in the way of both range and selectivity on a super. Due, though, to variations in tubes, your winding and mounting of the coils, your location and antenna intallation, we cannot give you every exact detail for perfection. We have endeavored, in this chapter, to cover the remedies for the only two possible sources of "grief" we could find or think of but you may be able to improve your own assembly a great deal by some simple little change that did not happen to be necessary on ours.

IMPORTANT GRAND PRIX SUPER CORRECTION



IMMEDIATELY upon completion of the articles relative to Grand Prix eight tube super-heterodyne we began receiving reports that it was O. K. in every respect except selectivity. At first we thought it might be that a few had built without sufficient care or had substituted parts, as the original was exceptionally sharp. The set as built by Mr. McDonald has been checked time and again against the diagrams and articles and the fault has finally come to light.

If you will refer to figure 7, in the November 7 issue, you will note that the plate of the first tube connects to the first P terminal of the Multiformer unit and the first B connects to plus 45. No other connections are shown to those terminals. There should have been a fixed condenser of .0005 mfd. capacity connected across P and B to sharply tune this first coil. It is in McDonald's set, but up between the base of the Multiformer and the under side of the sub base or shelf, didn't show in the photographs and is easily overlooked in actual study of the set itself.

The technical editor and Mr. McDonald offer their sincere apologies for the worry and difficulties this may have caused you. We are all human, though, and will err at times. Part of figure 7 is shown here with the missing capacity connected in as condenser X.

KGW 'HOOT OWLS' HOOT

(Continued from page 26)

department which, headed by Professor Sedative P. Seidletz of Grand Scream, presents some humorous little skit each week. Besides, there's patter and jokes and whatnots to intersperse musical offerings, thus making up a highly versatile and diversified program.

Webster's unabridged doesn't offer any definition of the word, but an interview with the chief of Hoot Owls, Charles F. Berg, the Grand Screech, brought out the fact that a Hungari is nothing more or less than a celebration of each birthday of the Hoot Owl order. Friday, January 8, was observed as the end of their third year of existence, and in view of the fact that they're still alive and kicking BIG, there were plenty doin's at the big banquet and model Hoot Owl frolic held at the Multnomah hotel.

Places for about several hundred and forty 'leven guests were provided for in the main ballroom, but every plate was applied for before the slower ones even awoke to the fact that there was to be a Hungari. Those that couldn't get to go, though, tuned their sets to KGW and heard the whole business—from the drinking of Owl soup to the patter and comical sayings by the Grand Scream, Frank Sardam.

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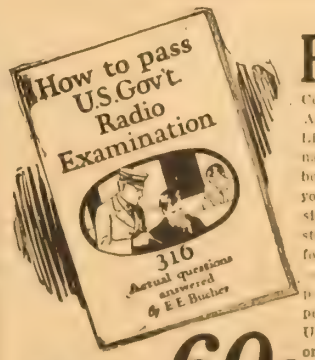

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Questions and Answers

Oscillation Control for Walters Set

HMB, Toronto. Can.

We have had the pleasure of building the five tube receiver described by Mr. Walters in your issues of April 25, May 2 and May 9, and it is the best we have tackled yet out of a great many. We have sold two of them and customers would not trade for any other. We have an order for two, for the Toronto fire department, but before building them want to know if there is some way of preventing this set from going into oscillation so readily, so control will be not quite so delicate.

A.—You will note from study of the circuit that the two R.F. plate returns come together, after passing through their individual primaries, and before going to the plus 90 binding post. Between the point where they join, and the point where they connect with the audio returns and the plus 90 binding post, insert a C-R-L variable resistance of 200,000 ohms. This is made by Central Radio Laboratories of Milwaukee, Wis. With the R.F. tubes turned up bright you can bring the set up to maximum regeneration at any wave length.

Grand Prix Audio Transformers

RTL, Buffalo, N. Y.

In the list of parts required for Grand Prix you call for two Precise transformers but do not state their ratio. I purchased two No. 480 audio transformers, the ratio of each being 5 to 1. Kindly advise if this set needs two 5 to 1 transformers or if one should be 2½ to 1. Also where should each be mounted in the set.

A.—The Precise No. 480 audio transformers were to be a 5 to 1, to be placed at right end under shelf and a 2½ to 1, to be placed between sockets 6 and 7. Credit us with an over-sight as we were so careful to get the circuit and wiring and placing of holes correct that it didn't occur that the placing of transformers might not be clear.

Fireside Data

HRN, Washington, D. C.

Please inform me at once of the values of the bypass and fixed condensers as shown by number in your Fireside receiver.

A.—We must advise that you plainly have not read the series on this set as the placing of all condensers was given. However, as given in the diagram, they are as follows: C-5 is .001 mfd., C-6 is 0.5 mfd., C-7 is 0.5 mfd., C-8 is 0.5 mfd., C-9 is 0.5 mfd. and C-10 is 1.0 mfd.

Traveler Panel Layout

GAR, Sandusky, Ohio.

In the doughnut coil set described by John G. Ryan there are two Cutler-Hammer rheostats, one of 15 ohms, the other 30 ohms. Can find no statement as to their position, that is, which goes at left and which at right.

In trying to put on the Dialog dials, I find the center dial interferes with the rheostats. What is the matter? The dials sent by Walnart are slightly over 4 inches in diameter. Are these the ones specified?

A.—We are at a loss to understand how the dials on the variable condensers in this receiver could in any manner interfere with the operation of the rheostat knobs. We have checked figure 3, the panel layout drawing, against the set itself and can find nothing wrong.

DIRECTIONS FOR REQUESTING INFORMATION

The Questions and Answers department offers service to Radio Digest subscribers without charge and, to those not subscribers, the same service with a charge of 50c for each letter requiring up to three answers or diagrams. We feel that this policy is necessary for the protection and best interests of our regular readers, as the volume of correspondence to this department has increased to such an extent that it is almost impossible to give our subscribers' letters adequate attention nor a complete answer. To those who have long been newsstand readers this may, at first, seem an injustice but a little thought on the matter will show that this is the only possible solution of what has been, to the technical department, a very perplexing and difficult problem. We ask that the following suggestions be read carefully before writing:

1—Search carefully the back issues which you have, as the point in question has probably been covered several times before.

2—The book, "Radio Receivers," given free with each yearly subscription (when received by Radio Digest direct with full remittance of $5), contains the answers to the majority of the questions asked. If you have this book, go through it thoroughly and it is probable that you will find the solution of your problem.

3—Letters for this department should be kept separate from all correspondence to other departments and on other subjects.

4—Questions should be written on one side of paper only and each sheet should bear the sender's name and address. All letters should be accompanied by a self-addressed stamped envelope of standard business size.

5—Unsigned (or anonymous) letters cannot be answered, either in Radio Digest or by letter, nor can those without address.

6—No comparative statements on advertised apparatus will be given except as to efficiency in some particular circuit.

7—Drawing diagrams on a separate sheet of paper will save time and enable us to give all questions more attention.

8—Write each question as a separate paragraph.

9—Keep a copy of your letter and diagrams, to which we can refer without re-drawing.

10—The names and addresses of the writers of letters published will not be released except with the writer's permission.

11—We want to be of assistance to you in your difficulties, but are sometimes limited because of the length and time required for the proper consideration of the questions asked. Therefore, please make your letters brief.

ADVANCE PROGRAMS

(Continued from page 21)

Pacific Time Stations

KFI, Los Angeles, Calif. (467), 5:30-6 p. m., Examiner matinee; 6, nightly doings; 6:15, KFI's Seeing California; 6:30, vest pocket program; 6:45, Radiotorial period; 7-8, Examiner hour; 8-9, Aeolian residence pipe organ, Dan McFarland, organist; 9-9:30, Eleanor Holden, soprano; Bud Gore and uke; 9:30-10, Mutual Motors mirth contest; 10-11, program arranged by Maude Fenlon Boliman.

KFOA, Seattle, Wash. (454.3), 12:30-1:30 p. m., program; 4-5:15, Wm. F. Hoffman's orchestra; today's recipe; 6-6:45, Hoffman concert orchestra; 6:45-8:15, program; 8:30-10, Times studio program.

KFON, Long Beach, Calif. (232.4), 4:30-5 p. m., amusement bulletin; 6-6:30, organ recital, Brayton's theater; 6:30-7, Captain's inn orchestra from Seal Beach; 8-9, Press-Telegram program; 10-12, Long Beach Elks No. 888 midnight frolic.

KFWB, Hollywood, Calif. (252), 7-7:10 p. m., announcements; 7:10, safety first talk, Officer E. C. Brown; 7:20, Jack Boaz, fishing scout; 7:30, Eye-o-logue, Dr. Herbert S. Marshutz; 7:40, microphone brevities; 8-9, program, John Wright, the right tailor; Raquel Nieto, coloratura soprano; Chio de Verdi trio; California Blue Boys; 9-10, Jack Smith's dance orchestra; 10-11, Warner Brothers frolic, direction Charlie Wellman.

KGO, Oakland, Calif. (361.2), 3-4 p. m., short program, Pacific Coast Music review; Mrs. George Kruger, pianist; Irene Ashworth, Lillian Acheson; Sara Linden, violinist; book review; 6-6:55, dinner concert, Sherman, Clay & company.

KGW, Portland, Ore. (481.5), 10:30 a. m., shopping guide; 12:30-1:30 p. m., Rose city trio; 6-7, dinner concert; 8-9, concert; 9-10:30, concert, Sherman, Clay and company duo; 10:30-12, Hoot Owls.

KHJ, Los Angeles, Calif. (405.2), 6-6:30 p. m., Leighton's Arcade cafeteria orchestra; Jack Cronshaw, leader; 6:30-7:30, history story, Prof. Hertzog; Radio kiddies hour with Richard Headrick and Vyola Von, screen juveniles; 7:30, "Romance of Santa Fe trail," Gladys De Witt; 8-10, program, Western Auto Supply company; 10-11, Don Clark's Biltmore hotel dance orchestra.

KMTR, Hollywood, Calif. (238), 5-6 p. m., home hour with Mammy Simmons with pupils of Paul Gerson studio; 7, "Color Photography," Chas. W. Beam; 7:30, "Wonders of Nature," Prof. Alfred Cookman; 8-10, The Turner orchestra, direction Loren Powell; 10-11, Starr Piano company studio.

KNX, Hollywood, Calif. (336.9), 5:30-6:15 p. m., Wurlitzer pipe organ studio; Town Tattler; 6:15, travel talk, W. F. Adler; 6:30-7, Atwater Kent concert orchestra; 7-7:30, popular program; 7:30-8, program, Eastern Outfitting company; 8-9, West Coast theaters; 9-10, Order of Optimistic Donuts; 10-11, program, John A. Vaughn corporation; 11-12, Ray West's Cocoanut Grove dance orchestra Ambassador hotel.

KOAC, Corvallis, Ore. (280.2), 7:20 p. m., musical selections; 7:30, "Significance of the Community Movement in Oregon", Dr. Hector Macpherson; 7:45, "Don'ts for the Auto Driver", Prof. W. J. Gilmore; 7:55, "Practical Books on Building and Remodeling a House", Bertha E. Herse; 8:05-9, musical program.

KTAB, Oakland, Calif. (240), 9-9:30 a. m., prayer service, Rev. E. L. Spaulding; 8-10, program, Breuner's.

KWSC, Pullman, Wash. (348.6), 7:30-9 p. m., Cougar Co-Ed orchestra; Ruth Faulkner, pianist; Gladys Wiren, violinist; Fay Norris, banjoist; Dorothy Sturgis, saxophonist; drums, Edna Daw; special piano numbers, F. C. Butterfield; "Physics of Everyday Life, No. 2", Dr. R. O. Hutchinson; "General Accounting, No. 2", H. J. Rehn; "Preparing for 1926 Crops", Leonard Hegnauer.

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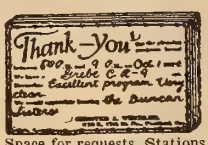

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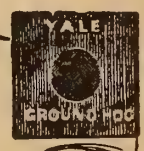

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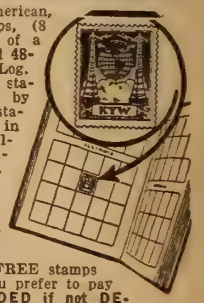

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ONE DOLLAR will be paid to the Radio fan reader of Radio Digest submitting the most errors in any one station's listing in the Directory of Radiophone Stations, which appears in six parts, serially continuously on the next to last page. Letters must reach Radio Digest's office not later than one week from date of issue corrected. Readers are not limited to correcting one station, but such corrections must be verified by the stations themselves, and NOT by comparison to other so-called accurate Radio directories or lists. Verifications must accompany corrections. Turn in corrections for as many stations as you can find—if you can find errors! Use separate sheet of paper for each station submitted and place name and address on each sheet. In case of tie, duplicate awards will be made.

United States (Cont'd)

NOTE.—The third part of the schedule list appears below. The fourth part which consists of the remainder of the list will appear next week.

WEBR, Buffalo, N. Y. 244 meters. 100 watts. H. H. Howell. Slogan, "We Extend Buffalo's Regards." Daily ex Sun, 7:45-8:30 pm, bedtime stories. Mon, Wed, Fri, 8:30-11:30 pm. Sun, 12 m, 3 pm. Eastern.

WEBT, Dayton, Ohio. 256 meters. 5 watts. The Dayton Co-op. Industrial High School. Announcer, Irvin Snyder. Slogan, "Worthy Effort Brings Triumph."

WEBW, Beloit, Wis. 268 meters. 500 watts. Beloit College. Announcer, Glenn Armstrong. Tues, 8-9 pm; Sun, 4:30 pm. Central.

WEBZ, Savannah, Ga. 263 meters. 50 watts. Savannah Radio Corp. Mon, Wed, Fri, 8:30 pm. Eastern.

WEEI, Boston, Mass. 348.6 meters. 500 watts. Edison Elec. Illuminating Co. Announcer, C. R. Emery. Slogan: "The Friendly Voice." Daily ex Sun, 6:45 am, exercises; 7:45, watch. Mon, 4 pm, 5:30, 6:30-10:30, 10:30. Tues, 3 pm, 4, 6:30-10, 10. Wed, 4 pm, 6:30-10, 10. Thurs, 4 pm, 6:30-10, 10. Fri, 4 pm, 6:30-10, 10. Sun, 7:20 pm, 9:20. Eastern.

WEHS, Evanston, Ill. 202.7 meters. 20 watts. Robert E. Hughes.

WEMC, Berrien Springs, Mich. 285.5 meters. 1500 watts. Emanuel Missionary College. Slogan, "The Radio Lighthouse."

WENR, Chicago, Ill. 266 meters. 1,000 watts. All-American Radio Corp. Announcer, Frank Westphall. Daily ex Sun, Mon, 6-7 pm, 8-10. Wed, Fri, Sat, 12-2 am. Sun, 2-4 pm, 9:30-11:30. Central.

WEW, St. Louis, Mo. 248 meters. 100 watts. St. Louis University. Daily ex Sun, 9 am, 10, 2, 5 pm, reports. Tues, Thurs, 7 pm, lectures, music. Sun, 7:15 pm. Central.

WFAA, Dallas, Tex. 475.9 meters. 500 watts. Dallas News and Dallas Journal. Slogan, "Working for All Alike." Daily, 6:30-7:30 am, exercises; 8:30, 9:30, 10:30, 11:30, reports; 12:30, 1:30, 2:30, 3:30, 4:30, reports, news; 5:30, children's hour; 8:30-9:30, concert, weather (silent Wed.). Mon, Tues, Thurs, Fri, Sat, 6:30-7:30 pm, vesper recital, sports. Tues, Thurs, Sat, 11-12 pm, music. Sun, 6:30-7:30 pm, Bible class; 7:30, church service; 9:30-11, music. Central.

WFAM, St. Cloud, Minn. 273 meters. 10 watts. St Cloud Daily Times. Slogan: "Granite City of the World." Announcer, Otto A. Rupp. Daily ex Sun, 4:15 pm, markets. Central.

WFAV, Lincoln, Nebr. 275 meters. 500 watts. Univ. of Nebraska. Central.

WFBC, Knoxville, Tenn. 250 meters. 50 watts. First Baptist church. Announcer, St. John Reynolds. Sun, 10:45 am; 7:30 pm, services; 4 pm, sacred music. Central.

WFBD, Philadelphia, Pa. 234 meters. 5 watts. Gethsemane Baptist church.

WFBE, Seymour, Ind. 226 meters. 10 watts. Van de Walle Music and Radio company. Announcer, John Van de Walle.

WFBG, Altoona, Pa. 278 meters. 100 watts. The Wm. F. Gable Co. Announcer, Roy F. Thompson. Slogan, "The Original Gateway to the West." Daily ex Sat, Sun, 11:15 am, music; 3:30 pm; 6:30, 8:30. Sun, 10:30 am; 4 pm, 6, 7:30, 9:15, 11:15. Eastern.

WFBH, New York, N. Y. 272.6 meters. 500 watts. Concourse Radio Corp. Announcer, Alvin E. Hauser. Slogan, "Voice of Central Park." Daily, 11:30 pm. Mon, Tues, Fri, 2-7 pm. Wed, Thurs, Sat, 2-8 pm. Mon, Sat, 11:30 pm. Sun, 5-8 pm. Eastern.

WFBI, Camden, N. J. 236 meters. 500 watts. Galvin Radio Supply Co.

WFBJ, Collegeville, Minn. 236 meters. 50 watts. St. John's university. Announcer, Hilary Doerfler. Slogan, "In the Heart of the Landscape Paradise." Sun, 7-7:30 pm. Central.

WFBL, Syracuse, N. Y. 252 meters. 100 watts. Onondaga Hotel company. Announcer, Ernest E. Chappell. Mon, Wed, Fri, 3-4 pm. Fri, 9-9:45 pm. Sat, 10-1 am. Sun, 5-6 pm; 6:15-7:15, 7:30. Eastern.

WFBM, Indianapolis, Ind. 268 meters. 250 watts. Merchants Heat and Light company. Announcer, John E. Tribby. Slogan, "The Convention City of America."

WFBR, Baltimore, Md. 254 meters. 100 watts. Fifth Infantry, Maryland National Guard. Slogan, "Home of the Star Spangled Banner." Announcer, S. R. Kennard. Daily matinee programs. Tues, Thurs, Sat, evening programs. Sun, afternoon program. Eastern.

WFBZ, Galesburg, Ill. 254 meters. 20 watts. Knox college.

WFDF, Flint, Mich. 234 meters. 100 watts. Frank D. Fallain. Slogan, "The Vehicle City." Mon, Wed, Fri, 8 pm. Eastern.

WFI, Philadelphia, Pa. 394.5 meters. 500 watts. Strawbridge & Clothier. Announcer, John Vandersloot. Daily ex Sun, 10:15 am, reports; 10:30, music; 10:40, home service; 1-1:50 pm, orchestra; 1:50, reports; 3-4:30, concert; 6:30-7, orchestra. Tues, Thurs, Sat, 8, concert. Sun, 10:30 am, 7:30 pm, church services alternating; 9:15, alternate Sundays. Eastern.

WFKB, Chicago, Ill. 217.3 meters. 500 watts. Francis K. Bridgman. Announcer, Horace Kehm. Daily ex Sun, Mon, 7-10 pm. Central.

WFRL, Brooklyn, N. Y. 205.4 meters. 100 watts. Flatbush Radio Laboratories.

WGAL, Lancaster, Pa. 248 meters. 10 watts. Lancaster Elec. Supply & Construction Co. Announcer, J. R. Gaintner. Slogan: "World's Gardens at Lancaster." Mon, Wed, Fri, 5:45-6:15 pm, dinner concert. Wed, 11:15-1 am, organ. Eastern.

WGBB, Freeport, N. Y. 244 meters. 100 watts. Harry H. Carman. Mon, Wed, Fri, 8-10:30 pm. Sun, 10:40 am, church. Eastern.

WGBC, Memphis, Tenn. 278 meters. 10 watts. First Baptist church. Announcer, M. L. Martin. Sun, 9:55 am, 7:30 pm. Central.

WGBF, Evansville, Ind. 236 meters. 500 watts. The Finke Furniture Co. Announcer, Harold Finke.

WGBI, Scranton, Pa. 240 meters. 10 watts. Frank S. Megargee.

WGBK, Johnstown, Pa. 248 meters. 5 watts. Lawrence W. Campbell. Daily ex Sun, 5-6:30 pm. Sat, 8:15-11:45 pm, dance music. Sun, 3-5 pm. Eastern.

WGBM, Providence, R. I. 234 meters. 100 watts. Theodore N. Saaty.

WGBQ, Menomonie, Wis. 234 meters. 100 watts. Stout Institute.

WGBR, Marshfield, Wis. 229 meters. 10 watts. George S. Ives. Sun, 2-4 pm. Central.

WGBS, New York, N. Y. 315.6 meters. 500 watts. Gimbel Brothers. Announcer, Floyd Neale. Daily ex Sun, 10-2:30 pm, entertainment; 3-7:30. Tues, 8:30-12. Thurs, 8:30-1 am. Sat, 7:30-12. Sun, 3:30-4:30 pm; 9:30. Eastern.

WGBU, Fulford By-the-Sea, Fla. 278 meters. 500 watts. Fulford By-the-Sea Chamber of Commerce. Announcer, Robert H. Nolan. Mon, Tues, Thurs, Fri, 12-1 pm, 6:30-7:30; 11-2 am, Wed, Sat, 12-1 pm, 6:30-7:30; 10-1 am, Sun, 9:30-11 pm. Eastern.

WGBX, Orono, Me. 252 meters. 500 watts. University of Maine.

WGCP, New York, N. Y. 252 meters. 500 watts. Grand Central Palace. Announcer, Alfred Hall. Slogan, "Four Leaf Clover Station." Mon, Thurs, Sat, 8:30-12 midnight. Tues, Wed, Fri,7-8:30 pm, Eastern. Daily ex Sun, 3-6 pm; 7-9:30.

WGES, Oak Park, Ill. 250 meters. 500 watts. Coyne Elec. School. Announcer, John Stamford. Daily ex Sun, Mon, 5-7 pm; 8-9 pm; 11-1 am. Sun, 5-7:40 pm. 11-12. Central.

WGHB, Clearwater, Fla. 266 meters. 500 watts. The George H. Bowles Developments. Mon, Wed, 8:30-10:30 pm. Sat, 9:30-11:30 pm. Eastern.

WGHP, Detroit, Mich. 270 meters. 1,500 watts. George Harrison Phelps, Inc. Announcer, C. D. Tomy. Mon, Tues, Wed, 8 pm. Thurs, 10 pm. Fri, 10 pm. Eastern.

WGMU, Richmond, Hill, N. Y. 236 meters. 100 watts. A. H. Grebe & Co., Inc. (Portable).

WGN, Chicago, Ill. 302.8 meters. 1000 watts. Chicago Tribune. Announcer, Quin A. Ryan. Daily ex Sun, 11:57 am, time; 12:40-2:30 pm, music, 2:30-3 music; 3-3:30; 5:30-5:50. Skeezix time; 5:50-5:57, stocks; 5:57, time; 6-6:30, organ; 6:30-7:30, dinner music; 8:30-9:30, 10:30-11:30. Tues, Thurs, 12:30 pm, farm talk. Sun, 12-1 pm, 1-2, 2-5, 9-10. Central.

WGR, Buffalo, N. Y. 319 meters. 750 watts. Federal Radio Corp. Announcer, Otto Becker. Slogan, "Key City of Industry." Daily ex Sun, 12 m, reports; 12:45, concert; 2:30; 6:30 pm, music; 7:30, news. Mon, Wed, Fri, 9-11 pm; Tues, Thurs, 8-11 pm, from New York. Sun, 3 pm, vesper; 7:45, church; 9:15, concert. Eastern.

WGST, Atlanta, Ga. 270 meters. 500 watts. Georgia School of Technology. Announcer, J. H. Persons. Slogan, "The Southern Technical School with a National Reputation." Mon, 9 pm, Thurs, 7 pm. Central.

WGY, Schenectady, N. Y. 379.5 meters. 5,000 watts. General Electric Company. Announcer, Kolin Hager. Daily ex Sun, 11:55 am, time; 12:30 pm, stocks, markets; 12:45, weather. Daily ex Sun, 12:40 pm, fruit, vegetable reports; 6, stocks; 6:10, markets; 6:15, sports, news. Mon, Tues, Thurs, Fri, 2 pm, woman's hour. Tues, Thurs, 2:30 pm, organ. Mon, Tues, Thurs, 6:30-7 pm, dinner program. Thurs, 11:30 pm, organ. Fri, 7 pm; Wed, 6:30, stories. Fri, 6:30 pm, Sunday school lesson; 10:30, late program. Mon, 7:15 pm, agricultural talk. Wed, Fri, 7 pm, orchestra. Sat, 9:30 pm, dance program. Sun, 10:30-12 am, service; 5 pm, organ; 7, Carillon program; 7:30-8:45 pm, service; 8:45 pm, orchestra from WJZ. Eastern.

WHA, Madison, Wis. 535.4 meters. 750 watts. Univ. of Wis.

WHAD, Milwaukee, Wis. 275 meters. 500 watts. Marquette University. Milwaukee Journal. Announcer, Ed. Ranft. Daily, 11 am, weather, news; 4-5 pm, news, markets, current topics, music; 6-7, organ, orchestra; financial reports. Mon, 8-10 pm. Tues, 9-9:30 pm, Wed, 10:30-12:30, Fri, 8:30-10 pm. Central.

WHAG, Cincinnati. O. 233 meters. 100 watts. Univ. of Cincinnati. Dept. of Elec. Eng. Announcer, W. C. Osterbrock. No definite schedule.

WHAM, Rochester, N. Y. 278 meters. 100 watts. Univ. of Rochester. Rochester Times-Union, Democrat and chronicle. Daily ex Sun, 3:30-4 pm, 5-5:45, 7-7:40. Sun, 3:15, Radio Chapel. Eastern.

WHAP, New York, N. Y. 240 meters. 500 watts. William H. Taylor Finance Corp. Announcer H. Alvin Simmons. Slogan, "The Station for Public Service." Daily ex Sun, 6-11 pm. Sun, 2-3:30 pm. Eastern.

WHAR, Atlantic, City, N. J. 275 meters. 500 watts. Seaside Hotel. Announcer, E. Dennison. Daily ex Sun, 2 pm, 7:30, 8,. Tues, Fri, Sun, 11:15 pm, organ. Sun, 10:45 am; 2:15 pm, 2:45, 7:50, 9. Eastern.

WHAS, Louisville, Ky. 399.8 meters. 500 watts. Courier-Journal and Louisville Times Co. Announcer, D. H. Ives. Daily ex Sun, 4-5, 7:30-9. Sun, 9:57-10:45 am, 4-5 pm, church service. Mon night, silent. Central.

WHAT, Minneapolis, Minn. 263 meters 500 watts. Twin City Business Men's Broadcasting station. Announcer, Dr. George Young. Mon, 6-8 pm, 9-11. Tues, 7-9 pm. Wed, 6-10 pm. Fri, 7-11 pm. Central.

WHAV, Wilmington, Del. 266 meters. 100 watts. Wilmington Elec. Spec. Co. Slogan, "The First Broadcasting Station of the First City of the First State." Temporarily discontinued.

WHAZ, Troy, N. Y. 379.5 meters. 1000 watts. Rensselaer Polytechnic Inst. Announcer, Rutherford Hayner. Slogan, "Transcontinental and International Broadcasting Station Located at the Oldest College of Science and Engineering in America." Club, R. P. I. students. Mon, 9-12 midnight, concert, educational talks, orchestras, features. Second Monday of Month, 12-1:30 am. International test program. Eastern.

WHB, Kansas City, Mo. 365.6 meters. 500 watts. Sweeney Auto & Electric School. Announcer, John T. Schilling. Slogan, "Heart of America." Daily ex Sun, 8:25 am, 9:25, 9:30, 9:35, 10:25, 10:30, 10:35. Daily ex Sat, Sun, 11:20, 11:30, 11:35, 11:56, 12:15 pm, 12:20, 1:25, 1:40, 2, 3, stocks, weather, news; 2-3 pm, ladies' hour. Tues, Thurs, 7-7:30 pm, 8-10. Mon, Wed, Fri, 7-8 pm. Sat, 12:15 am, 12:20, 12:25, 1:25. Sun, 9:15-11 am. Central.

WHBA, Oil City, Pa. 250 meters. 10 watts. Shaffer Music House.

WHBC, Canton, Ohio. 254 meters. 10 watts. Rev. E. P. Graham. Mon, 8-8:30 pm. Eastern.

WHBD, Bellefontaine, Ohio 222 meters. 20 watts. Charles W. Howard (Portable).

WHBF, Rock Island, Ill. 222 meters. 100 watts. Beardsley Specialty company. Announcer, C. L. Beardsley. Mon, Wed, 7-9 pm. Sat, 2-4 pm, 7-9. Central.

WHBG, Harrisburg, Pa. 231 meters. 20 watts. John S. Skane. Tues, Thurs, 9-12 midnight. Sun, 9:15-11 pm. Eastern.

WHBH, Culver, Ind. 222.1 meters. 100 watts. Culver Military Academy. Announcer, Charles C. Mather. Mon, 8:30 pm, Sat, 7:30 pm. Central.

WHBJ, Ft. Wayne, Ind. 234 meters. 50 watts. Lauer Auto company.

WHBK, Ellsworth, Maine. 231 meters. 10 watts. Franklin St. Garage, Inc.

WHBL, Logansport, Ind. 215.7 meters. 50 watts. James H. Slusser. (Portable).

WHBM, Chicago, Ill. 233 meters. 20 watts. C. L. Carrell. (Portable).

WHBN, St. Petersburg, Fla. 238 meters. 10 watts. First Avenue Methodist church.

WHBP, Johnstown, Pa. 256 meters. 100 watts. Johnstown Automobile Co. Announcer, J. C. Tully. Slogan, "The Voice of the Friendly City." Wed, 9 pm. Sat, 10 pm. Eastern.

WHBQ, Memphis, Tenn. 233 meters. 50 watts. Men's Fellowship class. St John's M. E. church. Announcer, Dr George L. Powers. Slogan, "We Have Best Quartet." Wed, 8-9 pm, music. Sun, 9:45-10:45 am, 11, 7:45 pm, services. Central.

WHBR, Cincinnati, Ohio. 215.7 meters. 300 watts. United Engineering Laboratories. Announcer, Radio Rouse.

WHBU, Anderson, Ind. 218.8 meters. 10 watts. Bing's Clothing-Riviera Theater. Announcer, O. B. Robey. Slogan, "The Home of Chief Anderson." Daily ex Sun, 9-9:30 am, 12-12:30 pm. Wed, Fri, Sun, 7-9 pm. Central.

WHBW, Philadelphia, Pa. 242 meters. 100 watts. D. R. Kienzle. Wed evening.

WHBY, West De Pere, Wis. 250 meters. 50 watts. St. Nobert's College.

WHDI, Minneapolis, Minn. 278 meters. 500 watts. Wm. Hood Dunwoody Industrial Institute. Announcer, M. R. Bass. Mon, 8-9 pm. Wed, Fri, 9-10 pm. Central.

WHEC, Rochester N. Y. 258 meters. 100 watts. Hickson Electric company, Inc. Announcer, J. F. Hitchcock. Slogan, "With Hickson Elec. Co." Daily ex Sun, 5:30-6 pm, twilight program; 6:30-7 orchestra. Eastern.

WHK, Cleveland, Ohio. 273 meters. 250 watts. Radio Air Service Corp., Winton Hotel. Slogan, "Cleveland, the Convention City." Daily ex Sun, 6:30-7:30 pm. Sun, 10:30 am, church service; 6:15-7:15 pm, music; 7:15-9, church service; 9-9:30, Bible lecture. Eastern.

WHN, New York, N. Y. 360 meters. 500 watts. Loew's State Broadcasting Station. Announcer, N. T. Grandlund. Slogan, "The Voice of the Great White Way." Daily ex Sun, 12-1 pm, 2:15-3:15, 3:45-5:30, 6:30-12 midnight. Sun, 3-6 pm, 9:30-12. Eastern.

WHO, Des Moines, Ia. 526 meters. 5,000 watts. Bankers Life Co. Announcer, N. Dean Cole. Daily ex Sun, 9:45 am, 12 m, 2 pm, markets, weather. Mon, Tues, Thurs, Fri, 7:30-9 pm. Wed, 6:30-7:30 pm, 7:30-9, 9-10, 10-11:30. Fri, 11-12 mid. Mon, Tues, Thurs, 11-12 midnight. Sun, 11 am, 1 pm, 7:30-8:30. Central.

WHT, Chicago, Ill. 238-400 meters. 2500 watts. Wrigley Bldg. Announcer, Patrick Henry Barnes. Daily ex Sun, Mon, (399.8), 10-2 pm, 6-7:30, 9:30-1, (238), 7:45-9:15 pm. Mon, (399.8), 11-2 pm, 7-1 am, Sun, 12-11:30 pm, Paul Rader. Central.

WIAD, Philadelphia, Pa. 250 meters. 100 watts. Howard R. Miller. Slogan, "The Voice from the Birthplace of Liberty." Tues, Fri, 9 pm. Eastern.

WIAS, Burlington, Ia. 254 meters. 100 watts. Home Elec. Co. Announcer, Harry H. Waugh. Slogan, "Burlington, on the Mississippi." Tues, 8-9 pm, concert. Thurs, 7-8 pm, concert. Sat, 10:30-11, organ. Sun, 10:30 am, church services. Central.

WIBA, Madison, Wis. 236 meters, 100 watts. The Capital Times. Announcer, Trevor Griffiths. Slogan, "Four Lakes City." Mon, Wed, Fri, 8:45-10 pm. Sat, 12-1 am. Central.

WIBC, St. Petersburg, Fla. 222 meters. 100 watts. L. M. Tate Post No. 39, Veterans of Foreign Wars. Mon, Wed, 8-10:30 pm. Sat, 8-9 pm, 10:30-12. Eastern.

WIBG, Elkins Park, Pa. 222 meters. 50 watts. St. Paul's Protestant Episcopal church. Announcer, Charles T. Asbury. One Monday a month Ogontz Forum speaks. Sun, 10:45 am, 3:45 pm. Eastern.

WIBH, New Bedford, Mass. 210 meters. 30 watts. Elite Radio Stores. Announcer, J. T. Moriarty. Slogan, "The Voice of New Bedford." Daily ex Sun, 12-1:30 pm. Eastern.

WIBI, Flushing, N. Y. 218.8 meters. 50 watts. Frederick B. Zittell, Jr.

WIBJ, Chicago, Ill. 215.7 meters. 50 watts. C. L. Carrell. (Portable.)

WIBM, Chicago, Ill. 215.7 meters. 10 watts. Billy Maine. (Portable.)

WIBO, Chicago, Ill. 226 meters. 1,000 watts. Nelson Brothers. Announcer, Walter Preston. Daily ex Sun, 2-4 pm. Daily ex Sun, Mon, 6-8 pm. Tues, Thurs, 12-3 am. Wed, 10-12 midnight. Fri, 10-2 am. Sun, 10:15 am, service; 2-4 pm, concert; 6-8, 10-12. Central.

WIBR, Weirton, W. Va. 246 meters. 50 watts. Tri-State Radio Co. Announcer, W. D. Johnston. Slogan, "The Town Where Everybody Works." Fri, 8:30-11 pm. Sat, 11-1 am. Sun, 2-3 pm. Eastern.

WIBS, Elizabeth, N. J. 202.6 meters. 10 watts. New Jersey National Guard.

WIBU, Poynette, Wis. 222 meters. 20 watts. The Electric Farm.

WIBV, Henderson, N. C. 263 meters. 500 watts. Jewell Radio Co.

WIBW, Logansport, Ind. 220 meters. 100 watts. Dr. L. L. Dill.

WIBX, Utica, N. Y. 205.4 meters. 150 watts. Grid-Leak, Inc.

WIBZ, Montgomery, Ala. 231 meters. 10 watts. Powell Elec. Co.

WIL, St. Louis, Mo. 273 meters. 250 watts. St. Louis Star and Benson Radio Co. Announcer, Billy Knight. Slogan, "Watch It Lead." Tues, 4-5 pm, Thurs, 4-5 pm; 8-12. Sat, 4-5 pm; 10-12. Central.

WIP, Philadelphia, Pa. 508.2 meters. 500 watts. Gimbel Bros. Announcer, E. A. Davies. Slogan, "Watch Its Progress." Daily ex Sun, 7-7:30 am, 1-2 pm, 3-4:30, 6-6:45, music; 7-7:30, pm. Tues, Thurs, Sat, 8-12 pm, concert. Sun, 10:45-12 m, 4:15-5:30 pm, 7:45-9, 10-12. Eastern.

WJAD, Waco. Texas. 352.7 meters. 500 watts. Barton's Dyanshine Station. Mon, Fri, 8:30-10 pm. Central.

WJAG, Norfolk, Nebr. 270 meters. 200 watts. Norfolk Daily News. Announcer, Karl Stefan. Slogan, "The World's Greatest Country Daily, and Home of Printer's Devil." Daily ex Sun, 12:15 pm; Sun, 3:30-6 pm, music. Central.

WJAK, Greentown, Ind. 254 meters. 50 watts. Clifford L. White. Slogan, "The Radio Parson." Tues, Thurs, Sat, 12-1 pm. Sat, 5 pm. Central.

WJAM, Cedar Rapids, Ia. 268 meters. 100 watts. D. M. Perham. Tues, Thurs, Sat, 7-10 pm. Sun, 4 pm, vesper service. Central.

WJAR, Providence, R. I. 305.9 meters. 500 watts. The Outlet Co. Announcer, J. A. Reilly. Slogan, "The Southern Gateway of New England." Daily ex Sun, 1:05-2:15 pm, weather, reports, music. Mon, Wed, Fri, 10 am, household hints. Mon, 7:30-11 pm. Tues, 7:30-10 pm. Wed, 7:30-10:30 pm, Thurs, 8-11 pm. Fri, 8-10 pm, 11-12. Sun, 7:20-10:15 pm. Eastern.

WJAS, Pittsburgh, Pa. 275 meters. 500 watts. Pittsburgh Radio Supply House. Pickering's Studio. Announcer, Bryan McDonald. Slogan, "Worl 's Jolliest Aerial Station." Daily ex Sun, 7-8 pm, dinner concert; 8-11. Sun, 2 pm. Eastern.

WJAX, Jacksonville, Fla. 336.9 meters. 1000 watts. City of Jacksonville.

WJAZ, Chicago, Ill. 322.4 meters. 1,500 watts. Zenith Radio Corp. Announcer, E. F. McDonald, Jr. Thurs, 10-12 midnight. Central.

WJBA, Joliet, Ill. 206.8 meters. 50 watts. D. H. Lentz, Jr. Tues, 8-11 pm. Central.

WJBB, St. Petersburg, Fla. 251 meters. 10 watts. L. W. McClung.

WJBC, La Salle, Ill. 234 meters. 100 watts. Hummer Furniture Co. Announcer, Harry Halpin. Daily ex Sun, 12:30-1 pm. Mon, 8-11 pm. Central.

WJBG, Charlotte, N. C. 224 meters. 10 watts. Interstate Radio, Inc.

WJBI, Red Bank, N. J. 218.8 meters. 250 watts. Robert S. Johnson.

WJBK, Ypsilanti, Mich. 233 meters. 10 watts. Ernest F. Goodwin.

WJBL, Decatur, Ill. 270 meters. 500 watts. Wm. Gushard Dry Goods Co. Announcer, H. B. Rickards. Mon, Wed, Sat, 9:30-11 pm. Central.

WJBN, Sycamore, Ill. 256 meters. 10 watts. St. John's Ev. Lutheran Church. Slogan, "The Church Tower Station." Announcer, Rev. [illegible] W. Frent. Mon, 8-10 pm. Sun, 7:[illegible] am, [illegible] pm. Central.

WJBP, Buffalo, N. Y. 218.8 meters. 50 watts. Seneca Vocational School.

WJBQ, Lewisburg, Pa. 211.1 meters. 100 watts. Bucknell university.

WJD, Granville, O. 217.3 meters. 10 watts. Denison Univ. Announcer, Richard H. Howe. Fri, Sat, 5-6 pm, music, educational lectures. Athletics. Eastern.

WJJD, Mooseheart, Ill. 370.2 meters. 500 watts. Loyal Order of Moose Station. Announcer, Jack Nelson. Slogan, "The Call of the Moose." Daily ex Sun, Mon, 1-5 pm, children's program; 6-7 pm, 10-11, 12-1. Sun, 7:45-8:40 am, services, 9:45-11 am, services; 3-4. Central.

WJR, Pontiac, Mich. 516.9 meters. 5,000 watts. Jewett Radio and Phonograph Co. Slogan, "Where Joy Reigns." Announcer, Leo Fitzpatrick. Daily ex Sun, 7-8 pm, 9-10. Thurs, Sat, 10-11 pm. Mon, Wed, Sat, 11:30-1 am. Eastern.

WJY, New York City. 405.2 meters. 5000 watts. R. C. A. Announcer, J. Lewis Reid. Tues, Thurs, Fri, 7:30-11:30 pm, concert. Sun, 8:15-10:30 pm. Eastern.

WJZ, New York, N. Y. 454.3 meters. 5000 watts. R. C. A. Announcer, Milton J. Cross. Daily ex Sun, 10-11 am, 1-2 pm, 4-6, entertainment; 7-11:30 pm, special program. Sun, 11-1 pm, church services; 2:30-5 pm, 7-10:30 pm. Eastern.

WKAF, Milwaukee, Wis. 261 meters. 500 watts. Kesselman-O'Driscoll-Hotel Antlers. Announcer. Robert F. Hall Co. Mon. Wed, Fri, 10-11 pm; Thurs, 8:30-10 pm. Sat, 8:30-10 pm; 11:30-1. Sun. 4-6 pm. Central.

WKAQ. San Juan, Porto Rico. 340.7 meters. 500 watts. Radio Corp. of Porto Rico. Announcer, Joaquin Agusty. Slogan, "The Island of Enchantment, Where the World's Best Coffee Grows." Wed, 8-10 pm, band; Thurs, 8:30-10 pm; Rialto theater orchestra. Fri, 9-10 pm, Porto Rican Atheneum, talks. Intercolonial.

WKAR, East Lansing, Mich. 285.5 meters. 1,000 watts. Mich. State College. Announcer, Jim Gamble. Mon, Wed, Fri, 7:15-9 pm. Tues, Thurs, 7:15-8 pm. Sat, 12:30-2 am. Eastern.

WKAV, Laconia, N. H. 224 meters. 50 watts. Laconia Radio Club. Fri evening concerts. Sun, 10:30 am; 6:30 pm. Eastern.

WKBB, Joliet, Ill. 214.2 meters. 100 watts. Sanders Brothers. Wed, 6:30-8:30 pm. Thurs, Sun, 8:30-12 midnight. Central.

WKBE, Webster, Mass. 231 meters. 100 watts. K. & B. Electric Co. Mon, 8-12 midnight. Eastern.

WKBG, Chicago, Ill. 215.7 meters. 100 watts. C. L. Carrell. (Portable).

WKBK, New York, N. Y. 209.7 meters. 500 watts. Shirley Katz.

WKRC, Cincinnati, Ohio. 422.3 and 325.9 meters, alternate months, 1,000 watts. Kodel Radio Corp. Announcer, Eugene S. Mittendorf. Mon, 6:15-7 pm, 8-10, 12-1. Tues, Thurs, Sat, 10-12 midnight. Wed, 6:15-7 pm; 8-10 pm. 12-1 am. Sun, 6:45-7:30 pm; 10-12, 12-1. Central.

WKY, Oklahoma City, Okla. 275 meters. 100 watts. E. C. Hull, H. S. Richards. Daily ex Sun, 3-4 pm, markets, weather, news. Daily ex Sun, 6:30-8:30 pm. Sun, 9:30-12:30 pm; 7:45-9:45. Central.

WLAL, Tulsa, Okla. 250 meters. 100 watts. First Christian church. Announcer, R. W. Burkhart. Slogan, "The Voice of the Church." Sat, 7:30 pm, Bible class. Wed, 9:30 pm. Sun, 7:30 pm, church. Central.

WLAP, Louisville, Ky. 275 meters. 20 watts. W. V. Jordon. Tues, Fri, 9:20-10 pm. Central.

WLB, Minneapolis, Minn. 278 meters. 500 watts. U. of Minn., Dept of Elec. Eng.

WLBL, Stevens Point, Wis. 278 meters. 500 watts. Wisconsin Dept. of Markets. Slogan, "Wisconsin, Land of Beautiful Lakes." Daily ex Sun, 8:45 am, 9:45, 10:45, 11:45, 12:30 pm, 1:45, markets. Tues, Thurs, 8 pm. Central.

WLIB, Chicago, Ill. 308.2 meters. 2,500 watts. Liberty Magazine. Announcer, Bill Hay. Daily ex Sun, Mon, 7-8 pm, 9-10, 11-12. Sun, 5-6 pm, 6-6:30, 8-9. Central.

WLIT, Philadelphia, Pa. 394.5 meters. 500 watts. Lit Bros. Announcer, Harry E. Ehrhart. Club, "Morning Glory." Daily ex Sun, 12:02 pm, music; 2, music. Mon, 4:30 pm, 7:30, 8, 10. Tues, 11 am. Wed, Thurs, 4:30 pm. Wed, 7:30 pm, 8, 10, 11. Fri, 7:30 pm, 8:45, 10. Eastern.

WLS, Chicago, Ill. 344.6 meters. 5000 watts. Sears, Roebuck & Co. Slogan, "World's Largest Store." Daily ex Sun, 9 am, 11, 12, 1-2, 6-7. Tues, 6:45 pm, 6:30-7:55 pm. Wed, 6:15-2 am. Thurs, 6:15-7:55, Fri, 6:15-11. Sat. 12-12:45 pm. Junior R. F. D. program; 7-12. Sun, 6:30-7:55 pm. Central.

WLTS, Chicago, Ill. 258 meters. 100 watts. Lane Technical High school. Fri, 1-2 pm. Central.

WLW, Cincinnati, O. 422.3 meters. 5000 watts. The Crosley Radio Corp. Announcer, William Stoess. Daily ex Sun, 10:45 am, 11:55, time; 1:30 pm. Daily ex Sun, Fri, 7, dinner hour; 6:55, markets. Daily ex Sat, Sun, 7:45 am, morning devotions; 8, exercises; 12:15, program; 3, 4, reports. Mon, Tues, 8-10 pm. Wed, Thurs, 10-12 mid. Sun, 9:30 am, 11, 7:30 pm, 8:30. Central.

WLWL, New York, N. Y. 288.3 meters. 1500 watts. The Paulist League. Announcer, James F. Cronin. Slogan, "For God and Country." Mon, Thurs, 9 pm. Sun, 8 pm. Eastern.

WMAC, Cazenovia, N. Y. 275 meters. 100 watts. C. B. Meredith. No definite schedule.

WMAF, South Dartmouth, Mass. 440.9 meters. 1,000 watts. Round Hills Radio Corp.

WMAK, Lockport, N. Y. 266 meters. 500 watts. Norton Laboratories. Announcer, DeWitt C. Garritson. Daily ex Sun, 7:15 pm. News. Mon, Sat, 8-9 pm, 9-10. Wed, 7:30-10 pm. Fri, 9-10 pm. Sun, 10:30 am, 7:30 pm. Eastern.

WMAL, Washington, D. C. 212.6 meters. 15 watts. M. A. Leese Optical Co.

WMAN, Columbus, Ohio. 278 meters. 50 watts. First Baptist church. Announcer, Dr. D. F. Rittenhouse. Sun, 10:30-12 m, 7:30-9 pm, church services. Eastern.

WMAQ, Chicago, Ill. 447.5 meters. 1000 watts. The Chicago Daily News. Announcer, Roberty Whitney. Daily ex Sun, Mon, 12-3 pm, 4-7. Daily ex Sun, Mon, 8-10 pm. Central.

WMAY, St. Louis, Mo. 248 meters. 100 watts. Kingshighway Presbyterian church. Slogan, "May Every By-Way Hear Kingshighway." Sun, 11 am, 8 pm. Central.

WMAZ, Macon, Ga. 261 meters. 500 watts. Mercer university. Announcer, Carey O. Pickard. Mon, Thurs, Fri, 10-11 pm. Fri, 9-10 pm. Tues, Fri, 8-9 pm. Wed, 11-12. Eastern.

WMBB, Chicago, Ill. 250 meters. 500 watts. American Bond & Mortgage Co.-Trianon. Announcer, Clyde Hager. Slogan, "World's Most Beautiful Ballroom." Daily ex Sun, Mon, 7-8 pm, 9-11. Sun, 3-5 pm, 7:45-11. Central.

WMBC, Detroit, Mich. 256 meters. 100 watts. Michigan Broadcasting Co.

WMBF, Miami Beach, Fla. 384.4 meters. 500 watts. Fleetwood hotel. Daily, 7-8 pm, dinner concert; 8-8:15, news; police reports; 8:15-8:50, dance; 10-12. Eastern.

WMC, Memphis, Tenn. 499.7 meters. 500 watts. The Commercial Appeal. Announcer, Francis S. Chamberlin. Slogan, "Station WMC, Memphis." "Down in Dixie" Club, "Midnight Frolic." Daily ex Sun, 9:45 am, 11:30, 2:30 pm, weather, markets, music. Daily ex Sun, Wed, 8:30 pm, program; Tues, Fri, 11 pm, Midnight frolic. Sun, 11 am, church service. Central.

WMCA, New York, N. Y. 340.7 meters. 500 watts. Hotel McAlpin. Announcer, Snedden Weir. Slogan, "Where the White Way Begins." Daily, 6-12 midnight. Tues, 11-12 midnight. Sun, 11-12:15 pm; 6-11.

WNAB, Boston, Mass. 250 meters. 100 watts. The Shepard Stores. Announcer, John J. Fanning.

WNAC, Boston, Mass. 280.2 meters. 500 watts. The Shepard Stores. Announcer, John J. Fanning. Daily ex Sun, 10:30-11:30 am, 12:15-2 pm, 3-5, 6-7:45, 8-10. Sun, 11 am, 1:30-3 pm, 3-4, 6:45-8:30. Eastern.

WNAD, Norman, Okla. 254 meters. 250 watts. Univ. of Okla. Announcer, C. E. Battle. Slogans, "Oklahoma," "Voice of Sooner Land." Daily 9:15 pm, weather, news. Wed, 8:30-9:30 pm, music. Central.

WNAL, Omaha, Nebr. 258 meters. 50 watts. Central H. S. Announcer, Ronald J. Rockwell. Slogan, "Pioneer Broadcast of Omaha." Fri, Sat, 7:30-9 pm. Central.

WNAT, Philadelphia, Pa. 250 meters. 100 watts. Lennig Bros. Co. Announcer, Jos. Brinton Young. Slogan, "We Never Are Tired." Wed, 6:30 pm. Eastern.

WNAX, Yankton, S. D. 244 meters. 100 watts. Dakota Radio Apparatus Co. Daily ex Sun, 11:30-11:45 am, markets, weather; 5-6 pm, music. Central.

WNBH, New Bedford, Mass. 248 meters. 250 watts. New Bedford hotel.

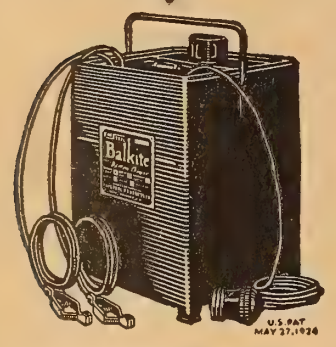
WJN, Newark, N. J. 252 meters. 150 watts. Radio Shop of Newark, Inc. Announcer, W. A. Bingenheimer. Slogan, "The Voice of Newark." Tues, Wed, Fri, Sat, Sun, 6-6:30 pm, 8:30-12, dance music. Eastern.

WNOX, Knoxville, Tenn. 268 meters. 500 watts. People's Telephone & Telegraph Co.

(Note—The fourth part of the directory will appear next week.)

Simplify and improve radio reception with Balkite Radio Power Units

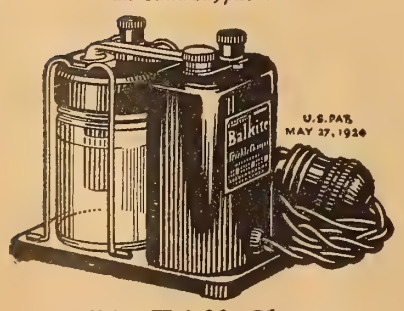
FOR THE "A" CIRCUIT



Balkite *Battery Charger*

This popular battery charger is entirely noiseless and can be used while the radio set is in operation. If your battery should be low you merely turn on the charger and operate the set. Charging rate 2.5 amperes. Operates from 110-120 AC 60 cycle current. Special model for 50 cycles. Also for 25-40 cycles with 1.5 ampere charging rate.

Price $19.50
West of Rockies, $20
In Canada, $27.50



Balkite *Trickle Charger*

May be connected to any 6 volt radio "A" battery of 30 ampere hour capacity or more and left permanently on charge. Used in this manner it converts your "A" battery into a permanent "A" power unit that operates from the light socket and automatically furnishes full current to the "A" circuit at all times.

With any smaller battery (4 volt or small 6 volt) this charger may be used as an intermittent charger of the usual type. Can also be used as a trickle charger if a resistance is added to cut down the charging rate.

When used as a trickle charger, as an added convenience, some owners add a switch which cuts out the charger during operation. Switches of this type also turn on Balkite "B" when the set is turned on, thus providing an entirely automatic current supply for both circuits.

Size 5½ in. long, 2¾ in. wide, 5 in. high. May be put in the usual dry cell compartment. Charging rate .4 to .5 amperes. Current consumption 1/10¢ per hour. Operates from 110-120 AC 60 cycle current. Special model for 50 cycles.

Price $10
West of Rockies, $10.50
In Canada, $15

Balkite Radio Power Units simplify and improve radio reception. They reduce the amount of attention you must give your set. With their use your current supply is always exactly what is required for each circuit.

The popular Balkite Battery Charger is entirely noiseless. It can be used while the set is in operation.

The Balkite Trickle Charger converts your "A" battery into a permanent "A" power unit that supplies full "A" current at all times from the light socket.

Balkite "B" eliminates "B" batteries entirely and supplies plate current from the light socket. Balkite "B" for sets of 6 tubes or less. Balkite "B" II for sets of 6 tubes or more.

An ideal installation is a Trickle Charger and "A" battery, and Balkite "B." This enables you to operate your set entirely from the light socket.

Noiseless—No bulbs—Permanent

All Balkite Radio Power Units are based on the same principle. All are entirely noiseless in operation. They have no moving parts, no bulbs, and nothing to adjust, break or get out of order. They cannot deteriorate through use or disuse—each is a permanent piece of equipment with nothing to wear out or replace. They require no other attention than the infrequent addition of water. They do not interfere with your set or your neighbor's. Their current consumption is remarkably low. They require no changes or additions to your set. *At your dealer's.*

Manufactured by

FANSTEEL PRODUCTS COMPANY, Inc., *North Chicago, Illinois*

FAN STEEL

Balkite *Radio Power Units*

FOR THE "B" CIRCUIT

Balkite "B"

Eliminates "B" batteries. Supplies plate current from the light socket. Operates with either storage battery or dry cell tubes. Keeps "B" circuit always operating at maximum efficiency, for with its use the plate current supply is never low. Requires no changes or additions to your set. No bulbs—nothing to replace. Requires no attention other than adding water twice a year.

A new model, designed to serve any set requiring not more than 20 milliamperes at 90 volts—practically all sets of 5 tubes or less, and most 6 tube sets. Size 8¼ in. long, 8 in. high, 3¼ in. wide. Occupies about same space as 45 volt dry "B" battery. Operates from 110-120 AC 60 cycle current. Special model for 50 cycles.

Price $35
In Canada, $49.50

Balkite "B" II

The most outstanding development in radio last season. Same as the new Balkite "B" but will fit any set including those of 8 tubes or more. Current capacity 40 milliamperes at 90 volts. Size 9 in. high, 6¼ in. wide, 7½ in. deep. Operates from 110-120 AC 60 cycle current. Special model for 50 cycles.

Price $55
In Canada, $75

The Gould Unipower, manufactured by the Gould Storage Battery Company, is equipped with a special Balkite Radio Power Unit

BALKITE BATTERY CHARGER · BALKITE TRICKLE CHARGER · BALKITE "B" · BALKITE "B" II

ALL BALKITE RADIO POWER UNITS ARE TESTED AND LISTED RMA AS STANDARD BY THE UNDERWRITERS' LABORATORIES

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Gold Award for European Reception

Radio Digest

EVERY WEEK — PROGRAMS Illustrated — TEN CENTS

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Tests Will Promote Peace; Introducing Our "Unitrola" Receiver for Your Phonograph; KFOA, Toastmaster of Northwest; Animals Are Real Radio Fans; Women's Programs

TELL YOUR SENATOR HOW YOU LIKE RADIO

IT MUST BE DONE TO GET MONEY TO CLEAR AIR

Radio Inspectors and Government Laboratory Lack Funds Because Law Makers Are Ignorant

WASHINGTON.—Financial recognition by congress of the importance of the Radio industry to the American people would result in improved service and save the public thousands of dollars.

Money is badly needed by two branches of the government which are engaged in Radio activities of benefit to the public. These are the Radio inspection service of the department of commerce and the Radio laboratory of the bureau of standards.

What an Inspector Does

The public is more familiar with the work of the Radio inspection service. Summed up, it is the duty of Radio inspectors to examine and license operators and stations, inspect the Radio equipment of ships, check up on all stations to see that they operate on the wave lengths assigned them, and to investigate cases of interference of Radio and other sources.

Since the advent of broadcasting, the duties of the Radio inspectors have multiplied tenfold. Originally intended only for the inspection of ship and commercial Radio equipment, the additional burden of looking after broadcasting stations and thousands of interference complaints has made it necessary for most of the inspectors to work from 12 to 18 hours a day.

Need Larger Force, Hence More Money

In spite of the overtime services of the inspectors (for which, incidentally, they are not paid extra) many of the reports of interference are not investigated because the time cannot be found.

The one remedy for this situation is well known to officials at Washington. It is to increase the inspection force to such proportions that satisfactory service can be rendered to the entire country. But to do this would call for money and there is where congress enters into the picture.

Congress Oversteps Budget Bureau

For the fiscal year 1927 (which begins July 1, 1926) the budget bureau recommends an appropriation of $354,000, which is an increase of approximately $125,000 over the appropriation for the fiscal year of 1926. Generally, the recommendations of the budget bureau are heeded by the house appropriations committee and passed through congress.

One of the few exceptions in recent years applied to Radio. Last year the budget bureau recommended $220,525 for the Radio inspection service, and shortly thereafter recommended a supplemental appropriation of around $100,000. The first recommendation was approved. Chairman Martin Madden (Illinois) of the house appropriations committee was responsible for the defeat of the second recommendation.

Madden Cause of Poor Conditions

Mr. Madden's opposition to the second recommendation was based on the theory that Radio inspectors should not poke their noses into the business of street railway and electrical companies which create interference with their equipment. Mr. Madden was ignorant of the fact that these industries are doing their best to cooperate with Radio inspectors to eliminate interference.

What Bureau of Standards Does

The work of the Radio laboratory of the bureau of standards is also of great importance to the public, although less is known of it. There are several highly important Radio investigations which should be made immediately by the Radio laboratory but which cannot be attempted until more money is available.

For instance, methods and apparatus should be developed for measuring high frequencies. At present, no one knows how to measure these short waves. Also, the laboratory should go to work on the measurement of receiving sets and on methods and apparatus for the measurement of the power of transmitters.

Money Might Solve Fading and Static

One of the present undertakings of the Radio laboratory is an investigation of the causes of static and fading. This and other equally important investigations are moving very slowly because of lack of money.

The recommended appropriation for the Radio laboratory for the fiscal year 1927 is around $50,000. To do justice to several investigations which should be started immediately, the Radio laboratory should have at least $200,000.

The only thing fans can do about it is to write their senators and representatives in congress immediately, expressing their wishes in the matter.

That is up to each individual listener.

GIRL ON OUR COVER IS SINGER AT WEAF

"WHERE IS the Child?" That question doubtless will be asked many times when Radio Digest readers first behold the Madonna-like picture on our cover this week. The soulful eyes, the oval face, the black wavy hair and the suggestion of a halo in the dainty bit of silken cord with which it is tied may very well have been the subject for the brush of a Leonardo da Vinci, Titian, Murillo or Rembrandt.

However, the lady is not an artist's model. She is herself an artist in the musical world. Her name is Miss Joan Ruth and she is a member of the Metropolitan Opera company. She was born in Boston and made her debut in the Wagnerian Opera company at the age of 19. She has a coloratura soprano voice and has been heard over the WEAF chain many times.

Irish Free State Station to Be Broadcasting by Easter

DUBLIN.—At last there is to be some real broadcasting from the Irish Free State and, in fact, the Free State government has been advertising for a station director, musical director and engineer for the new Dublin broadcasting station.

Some have made so bold as to state that the station will actually be sending out preliminary test programs within a couple of weeks.

It is entirely possible that Dublin will be on the air around about next Easter.

Offer Prize on Best Plans to Help Radio

German Paper Gives 200 Marks to Stimulate Research

BERLIN, Germany.—The German Radio paper, "Radio Unschau," published by Bechhold in Frankfort, is offering a prize of 200 gold marks for the best solution of the following problems.

1. An apparatus for making audible sounds not usually perceptible, such as pulse and heart beats, cell growth in plants, etc.

2. A practical and simple way of measuring directly capacities and inductances.

3. An appliance for measuring infinitesimal lengths, breadths and weights, down to the thousandth parts of millimeters and milligrams.

Solutions, which should be accompanied by illustrative drawings or photographs, should reach the editor before February 15. There are no restrictions placed on competitors.

Combine for Elimination of Electric Line Interference

SPOKANE, Wash.—Representatives of the Washington Water Power company at Spokane, Wash., and the Radio Listeners' association conferred recently to form plans to reduce to the greatest minimum any interference that may be caused from the company's electric lines. Both the company and the association will maintain interference experts and cooperate to clear the air. Much of the interference that has been laid to high power lines was admitted by both sides to be due to the lack of knowledge of the listener.

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Looking Ahead

Distinguished Radio Artists and Famous Notables Booked for Appearance at the microphones of leading European stations, will be shown in pictures, and a forecast of what they are to do will be shown in a double feature page in the Radio Digest of next week.

Sitting on Top of the World comes just about being true for the Pike's Peak Broadcasting company which sends an expedition to the lofty summit to see the old year out and welcome the new year in. When you listen to KFXF you are "sittin' high and pretty." Pictures and story next week.

Guns and Gas Almost Stripped the Life Clean Out of Zingaro, a Pennsylvania anthracite miner. So he left the black pits of the underground, packed up his portable typewriter and his Radio set and boarded a rambling box car for Montana, to live in the open. Read what happened to him in the next Radio Digest.

Milo Gurney's A. B. C. Radio Fundamentals will next take up the actual media used to transmit intelligence, voice and music through the air and ground. Learn of the mysteries of the carrier wave and modulation.

Setting up and Operating the Stewart-Warner Receiver is next in the "Operating and Trouble Shooting" series. The discussion of this handsome, metal panel outfit of the tuned radio frequency type should prove of interest to all.

The Unitrola Phonograph Set progresses through the stage of panel drilling and assembly in Carl Patterson's second article. This set is different in use, design and results. With the make of parts named and exact dimensions given, no one should have trouble in constructing it.

Newsstands Don't Always Have One Left

WHEN YOU WANT

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NEWS BRIEFS FROM THE BROADCASTERS

MASS. TECH. RADIO DINNER ON AIR OVER RCA CHAIN

Pan-American Musicale Saturday at WRC—Helen Jane Upperman Returns to Sing at WSAI

On Tuesday, January 19, a Radio dinner by the Massachusetts Institute of Technology will be held at Boston, where important proceedings concerning the future of Radio will be revealed. This meeting of interest to fans will be broadcast by the RCA chain of stations, consisting of WJZ, WRC, KDKA, WBZ, KFKX, and WGY.

* * *

Pan-American musicales are popular with fans of both Americas who are able to hear WRC, Washington. The next program scheduled by the Pan-American union will be held Saturday, January 16. Franklin Adams, counselor of the union, is the director. Alfredo Oswald, Brazillan pianist, and Clara Mena Sanchez, Mexican soprano, are two of the artists starred.

* *

Helen Jane Upperman, who gained her start toward fame as a coloratura soprano through Radio, returns to her home station, WSAI, Cincinnati, to broadcast a recital Monday night at 10 p. m., central time. This young singer was singing over WSAI when the famous New York composer, Frank LaForge, heard her. Since then Miss Upperman has been studying with Mr. LaForge. She plans to study in Europe next year.

* *

Yale university contributes a fine organ concert to the Sunday 5 p. m., eastern time, programs of WTIC, Hartford. Prof. Harry Benjamin Jepson, organist, is the professor of applied music at this university. He is unquestionably one of the leading organists of the country.

* *

Ricketty-Racketty Minstrelsy, from KGO, Tuesday night, January 19, is aimed to make Radio listeners get a laugh or two out of the air, following a program of classical music. Mischa Gluschkin and his orchestra, and Elsa Behlow Trautner, soprano, will furnish the music.

* *

The literary courses given by Prof. Robert Emmons Rogers at WBZ, Springfield, have been interesting because they deal with modern tendencies. Tuesday's talk is entitled "The New Biography; the Realistic Treatment of Great Men."

* *

Comedy drama, "A Scrap of Paper," written by J. Palgrave Simpson, will be broadcast by the KGO players, Thursday night, January 21, under the direction of Wilda Wilson Church. Twelve characters in the play will appear before the microphone.

* *

The Radio audiences of thirteen stations located in important centers throughout the country will hear again the famous Goodrich Silvertown Cord orchestra which is under the direction of Joseph Knecht. During the past few months, the Goodrich Silvertown orchestra has made a tour of the country in order that the Radio audience might become better and personally acquainted with it. Their concerts will be heard at 10 p. m. eastern time, Thursday, through WEAF, WJAR, WEEI, WCAE, WFI, WGN, WWJ, WCCO, WOC, WSAI, WGR, WTAG, KSD, and WDAC.

* *

"Scotch" will be on tap as the source of Scotland music from the Hotel Gibson when Robert Visconti plays a special program with his orchestra Wednesday, January 20.

* *

Cosmo Hamilton, the noted author and playwright who recently stirred the literary and theatrical worlds with the statement that Radio would soon supplant literature and the theaters, is broadcasting a series of Radio novels through WJZ, New York, every Saturday night at 7:45 p. m. eastern time. Cosmo Hamilton maintains, and, furthermore, demonstrates at every broadcasting that a full novel can be condensed into the short space of fifteen minutes without losing any of its interest.

* *

The latest dramatic feature of the northwest was the 4-act drama "Within the Law," given at KJR, Seattle, by the Howard Neill players.

* *

A typical example of the use of "change of pace" in presenting a Radio program is shown by the Landay Revelers in their entertainment from WJZ, New York, 8 p. m. eastern time, Monday nights. These boys have a knack of lifting the spirits of their listeners into a carefree state with a few popular or jazz selections and then suddenly turning and pulling on their heart-strings with a sentimental ballad.

SEE FACE OVER TELEPHONE WIRE

WILL REWARD BEST OVERSEA RECEPTION

RADIO DIGEST CONTEST TO DECIDE DX CHAMPION

Pacific Coast Stations to Cooperate and Trials Promise to Be Greatest in History

Just a few more days now—only until Sunday night, January 24—and the International Radio Week transatlantic broadcasting tests will be on the air! With this good news comes more. Radio Digest announces a prize award of $100 in gold for the best reports of European station reception by American or Canadian listeners.

Complete details of the contest will appear in next issue of Radio Digest. The contest is free and open to all and closes at midnight Thursday, February 4. In the event of a tie, prizes in all respects identical with those tied for, will be awarded each tying contestant.

Other prize awards have been announced and are given below.

The Pacific coast broadcasters will remain quiet. The Pacific Radio Trade association has withdrawn its objections to the trials.

The stage is set for a most wonderful week for people who like to twist the dials slowly for the studios thousands of miles away.

Pacific Coast Joins

At the time of going to press, 15 of the larger Pacific coast stations had agreed to keep off the air during the tests from 8 to 9 p. m. pacific time, which is 9 to 10 p. m. mountain time, 10 to 11 p. m. central and 11 to 12 p. m. eastern time. Full cooperation, it is believed, will be given by the other western stations since the misunderstandings have been eliminated.

KGO, Oakland, Calif., KGW, Portland, Ore., KFI, Los Angeles, KLS, Oakland, Calif., KWSC, Pullman, Wash., and KFWB, Hollywood, are among the larger stations which have guaranteed complete cooperation. As a result of much work and intensive pleading with the few recalcitrant stations, full success of the 1926 tests are now in sight.

Many Awards Offered

Silver cups, Radio receivers, gold medals and many other items of monetary and intrinsic value, have been announced by various organizations interested in International Radio week.

A silver cup will be awarded by the Freed-Eisemann Radio corporation to the listener logging the most overseas stations during the tests. Logs should be mailed daily, being postmarked before noon of the day following reception, to Arthur Lynch, Garden City, N. Y.

A second silver cup will be awarded by the Freed-Eisemann Radio corporation to the listener using one of their sets who is first to log an overseas station during the tests. Telegrams should be sent to Arthur Lynch, Garden City, N. Y. prepaid.

The Radio World's Fair and the Chicago Radio Show managements have also come forward with prize offers in the form of gold medals, two for fans in the area included in a 250 mile radius around New York, and two for fans in the similar Chicago area. These medals will go to the listeners in each area who send to the Radio show headquarters, 1475 Broadway, New York city, the best reports of their success in reception of the overseas programs. One medal in each area will be for fans using factory built sets and the other will be for home built sets.

In each of the contests mentioned above, the same condition holds, that in event of a tie, an identical prize with that tied for, will be awarded to each tying contestant.

All ready? Dust off the condenser plates. Get the aerial in good condition and don't forget to look over the ground connection. While you're at it inspect the batteries—or the eliminator—for you can't get Europe without current, and then—

Let's listen!

CAN CHECK ON YOUR CHARLESTON CHAMP

CHICAGO,—Plans are being arranged by the officials of WMBB whereby the returns of the national Charleston contest, to be held February 8 and 9, are to be broadcast from WMBB. The programs will be picked up by receivers, tuned to 250 meters, installed in the ballrooms throughout the country having contestants entered in the national contest. Dancers in the various cities may keep in touch with the success of their representative dancers.

LIBERTY BELL IS HEARD OVER AIR

TOO BAD the WEAF chain didn't pick up the Liberty Bell and broadcast it on New Year's Eve. WIP, Gimbel Brothers, originated the scheme, invited other broadcasters to participate, and finally, after none accepted, carried out the project alone. The audience would have been greatly increased, when Mrs. W. Freeland Kendrick, above, wife of the mayor of Philadelphia, tapped the bell, had some of the chain, relay or other broadcasters helped carry the peal of American independence to every state in the Union. Let us hope that sometime this year, the 150th anniversary of our independence, the famous old bell will be heard over more microphones.

Sport Broadcasts

This week of January 16 to 22, has many sports events on the broadcast schedule. Hockey looms second to basketball as a microphone athletic feature, while an ice skating race claims third honor. The week's basketball schedule is:

Saturday, January 16

KOAC (280.2) Oregon Aggies vs. Gonzaga, 7:15 p. m. pacific time.

KFMQ (340.7) Arkansas U. vs. Southern Methodist U., 7:30 p. m. central time.

WSUI (483.6) Indiana U. vs. Iowa State U., 7:30 p. m., central time.

Thursday, January 21

KFKU (275) Kansas U. vs. Oklahoma U., 7:30 p. m. central time.

* *

Tuesday, January 19, is the date of the Boston Bruins vs. Montreal hockey game at Boston. The game, called at 8 p. m. eastern time, will be broadcast via Westinghouse Station WBZ.

* *

Monday, January 18, from 8-10 p. m. eastern time, the Metropolitan indoor ice skating championship races will be broadcast from Madison Square Garden through WNYC, New York, N. Y.

German Barristers Unite to Study Legal Phases of Radio

BERLIN, Germany.—The rapid development of Radio has led to the discovery that it has a legal side, and questions connected with it are increasingly coming into the courts. At a meeting of German lawyers interested in Radio, it was stated by the chairman that "the ignorance of Radio matters displayed at times by judges is appalling," and it is resolved to form a Radio Legal association for the purpose of studying the legal aspect of Radio and of helping with proper advice contestants before the courts and the courts themselves.

International Test Programs

COMPLETE, exclusive and special programs for the week of January 24 to 30, inclusive, for every European broadcasting station participating in the international tests, will appear in advance in the next week's issue of Radio Digest. Pictures and stories relating to European stations will appear as well in this special issue. Radio Digest staff correspondents in Great Britain and Continental Europe will give American listeners the best information obtainable anywhere on the international tests.

Wave lengths, hours, descriptions in detail of each number to be broadcast by European stations—all this and more will be found in the next issue of Radio Digest. Be sure to reserve a copy at your newsstand. The special International Week issue will be in great demand.

PROVES RADIOTELEVISION IS BUT STEP FROM ACTUALITY

Edmond Belin, French Scientist and Inventor, Astounds Watchers as Image of Man Ten Miles Away Is Seen on Screen

BY F. M. DELANO

PARIS, France.—Television, the seeing of distant things and persons by wire, and Radiotelevision, the same without the use of wires, is about to become a practical invention instead of an inventors incompleted dream. For years Edmond Belin, French scientist and inventor, has been perfecting, improving, thinking—and at last he is almost ready to give his device to the public as a finished product, foolproof, and ready for every day usage.

Mr. Belin's experiments came to public notice and acclaim just recently when he invited journalists and the French Photographic society to witness a television trial. It was successfully held between this city and his Malmaison laboratory, 10 miles distant.

See Aide 10 Miles Away

The inventor rang his assistant there on the telephone, fitted, of course, with the Belin device. The assistant, Louis Lumiere, answered and as he did so, his smiling aide's face became visible on a small screen attached to the instrument at Mr. Belin's end of the wire. There the scientists and newspaper men were gathered. They gasped in amazement at the demonstration.

Principles of Radio will be employed in the final public adaption of the device, Mr. Belin said. Only a few difficulties of Radio electricity must be overcome, he continued, before the television attachment can be placed on the market or applied to existing telephone systems.

The final step, from wire television to Radiotelevision—without any conducting wires—will be just as easy, although perhaps not so private in nature, according to the inventor. The Radio device is almost perfected now.

Belin Describes Invention

"Here is a description of the device," Mr. Belin said, as he stood before the apparatus. "Twenty silvered facets are mounted on a vertical steel disc revolving at the tremendous speed of 4,000 revolutions a minute. These revolve before the luminous ray of a small but powerful arc light in front of which is placed the person, thing or photograph whose image is to be transmitted.

"The facets, by the intermediary of a tiny hole, transmit the decomposed image point by point. In other words, the image is broken up into tiny points of light at the rate of 250,000 each second. These light dots are transmitted to a screen by a series of mirrors—25,000 dots every tenth of a second—and register so rapidly that the first are retained on the retina of the human eye while the last are being shown. It is similar to motion pictures where 10 photographs per second give the illusion of movement.

Long Distance Radio Movies Next

"I will overcome the last remaining obstacles within a fortnight. I can transmit the figure or face of a person speaking to London, as there is no limit by distance once the principle is established.

"Before the end of 1926 I expect to perfect the invention so that a person speaking may send his likeness around the world by Radiotelephony. Eventually we shall have long distance movies, with everyone possessing a screen at home.

Reeves Hears Argument on Alleged Monopoly of Radio

WASHINGTON, D. C.—Argument was heard in connection with the complaint alleging a Radio monopoly, on January 11 in New York city, before Examiner Reeves of the Federal Trade commission.

During the early days of the taking of testimony in New York by the commission in its case against the Radio corporation and others, counsel for the defendants made a motion that the case be dismissed. At that time Examiner Reeves announced that he would place the motion before the full commission.

The commission has instructed Mr. Reeves to rule on the motion himself and in accordance with this, he is hearing further argument.

International Radio Hope for World Peace

Here they are, listeners, some of the folk you will be trying to hear speak and sing across the Atlantic and the American continent during the week of January 24-30. Have this page before you when you are trying to catch 2LO, London, England, because four of the quintet at the left are regular staff members of that station and are expected to have a part on the overseas program. They are known to European listeners as (left to right) Miss Sophie Dixon, J. Jefferies, Rex Palmer, Arthur Burrows and Captain C. Lewis. (Mr. Burrows is now director of the International de Radiophonie at Geneva). Keystone View Photo

Below is a scene in the Radio Paris, Paris, France. The lady is Mme. Georgette LeBlanc, former wife of Maurice Maeterlinck, who charmed the famous author with her voice. Jaques Catelain is pointing at the microphone. Robert Tabuis is beside Mme. LeBlanc and then Marcel L'Herbier.

ONE of the most important peace conferences in the history of the world will be held during the week from January 24 to January 30.

It will be a wide-open meeting. There will be no secret bargainings, no whispering behind soundproof doors, no petty dickerings between ambitious statesmen for personal gain. The citizens of the world will sit at the universal table. Master of Ceremonies International Broadcast will conduct the conversations—the most of which will be set to music.

The week of international broadcasting will be one of many such events in the years to come. The peoples of all nations will have an opportunity to hear and understand their neighbors across the international boundaries. All the world courts and leagues of nations will fade into insignificance compared with the intimate personal knowledge that the plain everyday citizen will have of his neighbor of another government.

Music and courteous felicitations will pave the way for kindly and respectful feelings. Armaments, disarmaments and military activities will be taboo at the international Radio table.

To those who have followed the series of articles written by Fred Smith, former director of Station WLW at Cincinnati, as they have been published in Radio Digest, describing conditions as he found them during a tour of the Radio stations in European nations, the international broadcasting week will come as a natural sequence.

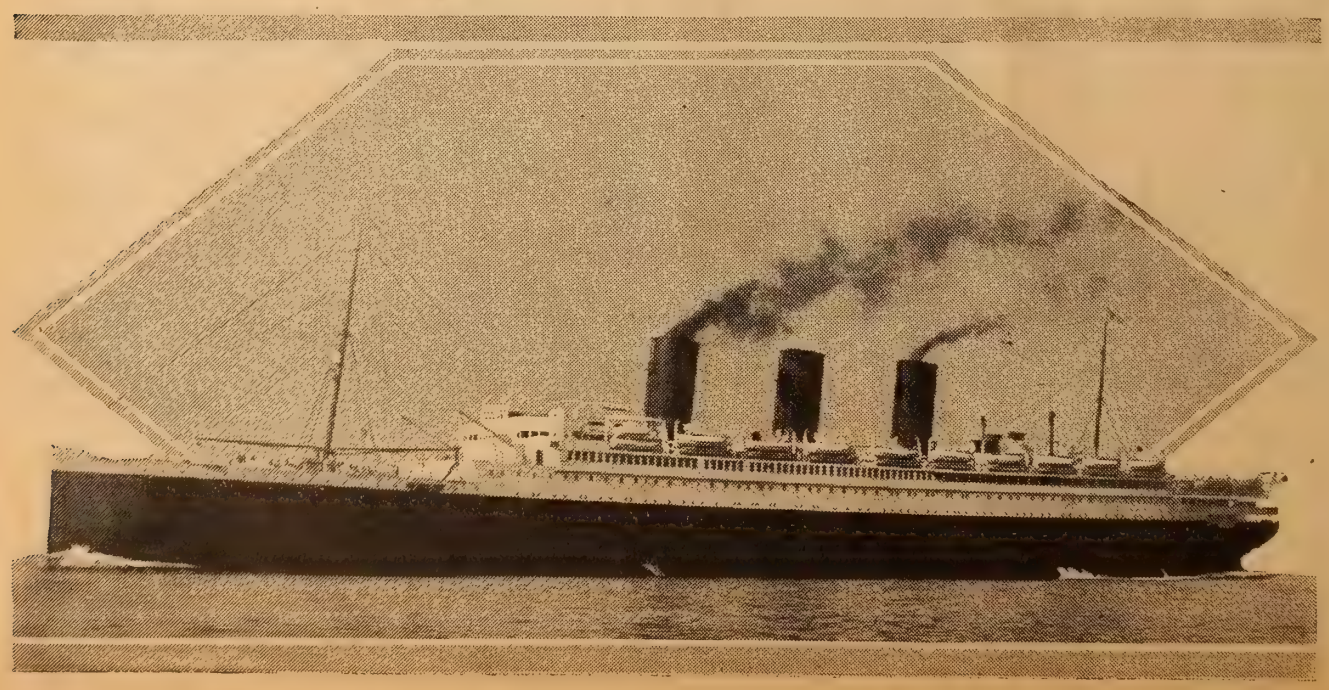
In America we have become nationally organized by good will and mutual understanding. In Europe a similar union between Radio broadcasting interests has been established in the International de Radiophonie bureau at Geneva, Switzerland. Arthur Burrows, former comptroller of the British Broadcasting company, is the director general. Concerning the phase of a better international understanding through the medium of the Radio, Mr. Smith wrote:

"The bureau is working with clear vision toward a beautiful future for Radio in Europe, and probably the world entire. Mr. Burrows expressed to me most earnestly the hope that the Office International de Radiophonie would, before long, have the pleasure and privilege of freely exchanging views with an organized body representative of the great American movement.

"The Radio bureau at Geneva does not have as one of its purposes the definite effort of human intelligence to bring about a closer understanding among the nations of the earth; it is purely and simply the expression of a practical need among the broadcasters of Europe to settle such questions as the allocation of wave lengths. Nevertheless, an examination of the work it has already accomplished and a study of its plans for the future will reveal at once the natural tendency of the influence of such an institution to be directly in line with a fulfillment of the idea to quicken the understanding among European nations, and bring them into more harmonious relationships.

"Radio broadcasting with at least one international language already accepted—music—tears down boundary lines, or rather ignores and passes them over. The German programs feature the music of Puccini, Verdi, Saint-Saens and other Latins, while from Rome are heard echoes of Beethoven and Wagner, and from Spain comes a festival of Bohemian music.

"But the bureau at Geneva is planning to go much further than all this. It means to serve practically the artistic needs of its members. One of the definite jobs of the bureau is to go about finding ways and (*Continued on page 21*)



Mid-ocean tests will be made aboard the liner France (left) during the international broadcasting week by Eric H. Palmer of the Freed-Eisemann Radio corporation. Mr. Palmer has conducted similar tests of reception in his "globe-trotting."

Children Hear Monks and Dogs on the Air

"Well," said Jiggs (below) when he was handed the microphone, "the widow Jocko and I were not making love. 'Twas just a little friendly discussion as to the mistakes of our ancestors that puts us monks in cages nowadays." At right is Big Brother Bob of WEEI, Boston, and his Big Radio Dog. The dog is making his bow-wow for the children's hour.

WITH MOTION pictures, zoos in the city parks and practical facts about natural history in the schools, children are becoming almost too sophisticated for such stories as the Three Bears and Peter Rabbit.

"Purely imaginary," says Willie, with a yawn, when mother starts the pretty little tale of Goldilocks. "I grant you that bears growl and they live in the woods. They might even take up an abode in an abandoned hunter's cabin furnished in a meager way with chairs and beds. But when it comes to cooking and passing remarks such as, 'Who's been sitting in my chair?' and all that rot, I simply cannot believe it. In the first place bears lack the vocal equipment to articulate words devised by the genus homo. It's absurd, I might almost add presumptious, for a presumably intelligent parent to even attempt to foist such nonsense onto the credulity of a trusting child—"

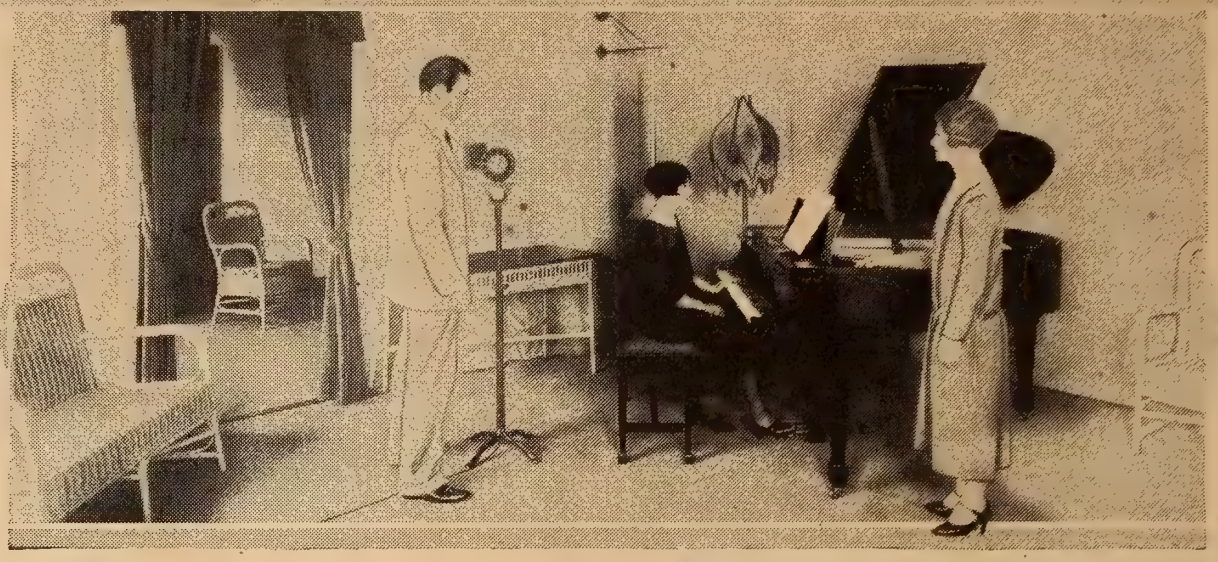
Something should be done about it. These childish illusions which have endured for generations must be preserved by some means or other. Perhaps Radio will solve the problem.

At lower left is arbor in English garden where a pair of nightingales were enticed into singing into a microphone. In the center below are three young elephants at Luna Park, New York, who can tune in a receiving set. Inspired by a basket of fish, two sea lions of the New York zoo chortled a merry ha ha song into the mike by their pool.

As a suggestion would it not be a sure way to interest Willie if he could actually hear real honest-to-goodness bears growling while the good story lady tells the tale? Steps in this direction have already been taken.

At Universal City, California, they have a zoo where the jungle chatter is especially animated. The least little incident starts off a veritable cascade of animal palaver that winds up with every beast trying to make himself heard at the same time. Whoever started the rumor that animals are dumb should pay a visit here. You take Jiggs, always in trouble with his family or some other monk's family. If Maggie happens to be busy with the little Jiggses at one side of the cage, Jiggs, likely as not, may be chinning with Mrs. Jocko, widow of that old cocoanut milk soak who passed out three months ago. Well, the Bambam monks in the next cage tune in, get excited, and jabber their opinions to every other creature within hearing until the tale, greatly exaggerated, reaches Leo, the lion. Then the whole zoo is in (*Continued on page 26*)

KFOA, Seattle, Toastmaster of Northwest



A milliammeter attached to the microphone stand insures proper modulation in broadcasting. At the stand is W. K. Bert (above). With him are Miss Alma Daley, soprano, and Miss Velma Case, accompanist.

PREEMINENT, on the high point at the extreme northwest section of the country, Radio Station KFOA of Seattle stands like a patriarch looking down the ether vista across the mountain tops and through the valleys of a vast domain.

It was planted there when Radio broadcasting was young, back in 1922. C. B. Williams, wide-awake advertising manager of the Rhodes department store, read of the remarkable experiments and discoveries of Radio telephony in the east and argued that "what is good for easterners is just as good for the people of Seattle and the Pacific northwest." In May of that year the first program was broadcast from the Rhodes store and the station was given the call letters KDZE.

Appreciation was instantly manifested. Letters of acknowledgment overwhelmed the little 50-watt station. Carl E. Haymond was appointed director. In a few months it was obvious the time had come for expansion and in July of 1924 the station was on the air with 500 watts. This, too, became inadequate and the following March operations ceased until a new 1,000-watt station could be installed. It had now taken on the title KFOA. The one kilowatt station was introduced last September.

KFOA is conspicuous in many ways. It is more than a mere entertainer. It is sort of a toastmaster at a general assembly of Rotarians, Kiwanians, Lions, chambers of commerce and educational institutions. It broadcasts their luncheon speeches. It carries on for Babbitt through the air. Anything for a bigger and greater northwest reaches the multitude through the big Rhodes store Radio.

It also is a Samaritan, going to the bedsides of the broken-down heroes who have made the Pacific northwest what it is today with special programs for their benefit.

In this way through its sincerity of service the station has surrounded itself with a substantial clientele. KFOA prestige is unquestioned because it is endorsed by and identified with the most influential households throughout the territory. This has reflected favorably toward the store which founded and sponsors it.

Many of the larger Radio stations have found it an advantage to be identified with the press and KFOA has its tie-up with the Seattle Times. The "Afternoons at Home," under the auspices of the Times are almost as popular as their Wm. F. Hoffman Concert orchestra programs, which come later and are hugely enjoyed. The Rhodes store also presents the Hoffman orchestra as a dinner hour feature. The Eddie Harkness Dance orchestra from the Olympic hotel adds to the merriment.

One of the occasional musical treats is provided by the Seattle Saxophone band, under the leadership of Gene Paul. Mr. Paul believes that the saxophone has a higher destiny than the syncopated rhythm of the "jazz." His band dwells only in the atmosphere of the classics and has attracted wide attention because of that as well as for the excellence of its technique.

According to the latest information, Mr. C. B. Williams is now the station director and Miss Mary Gordon arranges the programs. W. K. Bert is the director-announcer for the Times programs and the Times studio. His efforts have injected a great deal of tone and spirit into the KFOA offerings for the younger generation. Among the favorite artists are Miss Alma Daley, soprano; Miss Betty Brandeberry, violin; Miss Velma Case and Miss Fidelia Burgess, pianists. KFOA microphone stands are equipped with milliammeters which register a check on the intensity of the vibration and warn the broadcaster whether to modulate or accentuate—an original idea. Paul B. Gale is the engineer.

The Rhodes store station also has been favored for the trans-continental hook-ups in important national broadcasting, including the current Atwater Kent programs from New York, the auction bridge series and presidential speeches.

If greatness comes through the degree of service rendered, then KFOA is well located and well deserving of its high esteem. It is a veritable watch-tower keeping a vigilant eye on the world and bringing to the people it serves the good things of the earth that may be conveyed by the ear. And when the great international tests come within the next few days KFOA will be one of the foremost to help bring the voice of Europe to western America.

Saxophones are entitled to a higher sphere than jazz and syncopation declare Gene Paul (right) and his Seattle Saxophone band. Hence they play only the classical airs for Rhodes store station, KFOA. Miss Betty Brandeberry (below) with her violin and Miss Fidelia Burgess are favorite artists here.

Listeners of KFOA will be interested to see the heart (above) which pumps the energy that brings them the voice of Seattle.

Soldier Sentiment Wins Love for WMCA

One of the Thursday evening treats over WMCA is the voice of Miss Kay Macrae (above). Louise Bave (in circle) selected by Toscannini for her wonderful voice, and Arthur L. Lee, managing director of the Hotel McAlpin programs.

From Paris, Texas, to Broadway, New York, was the route taken by the exceptional voice of Miss Lois Mayer (below). She is a favorite with WMCA listeners and sings in several languages.

RETURNING officers of the A. E. F. who stopped off in New York for a few days before continuing to the home town and the business of John Citizen, had a favorite rendezvous at the Hotel McAlpin.

During those surging days, up to and shortly after the "Big Parade" down Fifth avenue with General Pershing at the head on a prancing steed, this famous hotel might have been mistaken for a field marshal's headquarters. Many a brilliant party was held there with the bright lights glinting from gold and silver emblems and the polished sheen of military boots. All tears were wiped away. Only merriment and happiness reigned at glad reunions between the welcoming loved ones who had come from distant states to the water's edge and the victorious heroes.

On swept the endless throngs through the marbled walls and the glitter of myriad lights. Pent up yearnings through long months of stress and strain found their first relief within these portals.

Somehow all of this overflow of throbbing hearts, this pageant of brawny shoulders and flashing arms, smiles and kisses seemed to leave an impression on the shining walls, the portieres, the brass and wood of this mammoth tryst.

Under the cold external walls there appeared to be a tender warmth. These countless tumults of emotion had seemed to leave a tremor of feeling in the inanimate things. And as the smart uniforms slowly disappeared from the array of the procession that moves on and on through the doors that never close, it seemed that invisible fingers stretched forth to beckon and recall.

And even before this momentous episode had dissolved into history the invisible fingers did go forth to touch and recall the days that had been. They stretched forth to the very hearthstone where John Citizen had gathered his loved ones about him. They found him from the borders of the Dominion to the banks of the Rio Grande.

* * *

On Washington's birthday, 1920, two skeleton towers in Hoboken, N. J., wafted to the ether lanes the first program to be broadcast from Radio Station WMAC, located on the roof of the Hotel McAlpin, New York.

Lieutenant Americaine, late of the Lost Battalion, now rendering service in the engineering department of the Pennsylvania railroad at Philadelphia, made with his own hands the intricate receiving set he had presented his bride for Christmas. With two head phones they sat in their kitchenette apartment and listened for the new station, WMCA, coming over 341 meters from the hotel where they had met after a year and a half of absence the year before.

They heard the voice of Snedden Weir, program director, come drifting down to them from the distant night and it all came back to them—the scenes, the dance, the music that had been the sweetest ever heard. And they were happy.

Instantly the voice of this famous hotel became popular throughout its wide range. Launched on 500 watts it performed miraculously. It was but a step to the Roaring Forties where the new sensations of Broadway were singing and playing their various ways into favor of the fickle public. Would Radio enhance or deter the

(*Continued on page 20*)

Samuel Siegel (above) makes mandolin playing a fine art and brings it to WMCA audiences after 20 years' absence. At right, Mme. Clara Novello Davies, leader of the Artists' choir at McAlpin.

"That Girl Quartet," nationally known, was organized and directed by Miss Harriette Keyes (right) one of the featured artists of WMCA. Benar Barzelay (right) famous Polish violinist heard from WMCA.

KALININ TELLS THE RUSSIANS HOW

M. I. KALININ, chairman of the All-Russian Council of Soviets, or the equivalent of the American president, is an ardent believer in broadcasting and tells the Russian council and citizens what is what by means of this modern invention. The above scene is from the council chambers where speech amplifiers carry his voice to remote corners. Important political speeches and sessions are broadcast to the public. Russia is doing its best to keep up with the times.

SPORT ANNOUNCERS TELL OF BIG THRILL

DESCRIBE FOOTBALL GAME WITH GREATEST APPEAL

Radio Voices Name Contests Which Gave Them Biggest Personal Reaction During Season

Did it ever occur to you while you were listening to the play-by-play accounts of the football games last season over the various stations that the announcers might have had personal reactions while watching the games which they did not put on the air in giving an unbiased and uprejudiced account of the play? If it did, you will probably be interested in the answers some of the leading sports announcers of the country who were recently asked which of all games they had seen during the season just closed was the most interesting and thrilling.

Favors Yale-Princeton Game

Graham McNamee of Station WEAF without hesitation said, "The Princeton-Yale game was the best game I saw this year and was glorious from start to finish. That 81-yard run of Slagle's through the entire Yale team was the biggest surprise of the season and had a lot to do with putting the 'skids' under the Yale machinery."

Phillips Carlin, colleague of McNamee, agreed with McNamee to a degree but said "There is no doubt that the Yale-Princeton game was the best played of those which we saw this season and also in many respects the biggest surprise. However, the Army-Navy game was in a class by itself, due to the spectacle of the cadets and the middies and the fine cheering and enthusiasm which the other games did not have."

Likes Darthmouth-Chicago

H. A. "Shorty" Hall of Station WGN, Chicago, said, "The Dartmouth-Chicago game stands out alone in my opinion because of the amount of spectacular football that was brought into the contest. The great work of Oberlander and Lane stood out as the greatest playing I witnessed during the season and I never saw anything better than that great line battle between Henderson of Chicago and Deal of Dartmouth. Tulane, though, gave me the biggest surprise when they came up and defeated Northwestern by bringing a team that would give any team in the Big Ten a great game."

Radio Safeguards Newspapers

DENVER.—Radio is now being employed as an emergency standby in the intermountain territory to guard against interruption of news service to newspaper editors during blizzards and washouts, following plans completed with KOA.

RADIO IS DANGEROUS TO SIAMESE QUEENS

SINGAPORE.—A curious story is running the rounds here regarding the recent change of queens in Siam. It will be recollected that a short time ago, the king of Siam deposed and divorced his queen as being "unfitted for her royal duties" and took onto himself a new queen from whom, with eminently satisfactory speed, he has received the present of an heir to the throne.

The story goes that the poor deposed queen sought to enliven the dullness of court life by devotion to Radio. She had an excellent reception post, which enabled her to pick up quite a number of stations nightly.

The Siamese, however, notwithstanding the fact that their monarch is enlightened, having been educated in Europe, looked upon this practice of listening into mysterious sounds from the skies with deep suspicion, and attributed her failure to provide her royal husband with an heir to her nightly consorting with these invisible spirits from the ether.

The new queen-consort, it is stated, has been enjoined on no account to have anything to do with Radio, and the only set in the palace has been packed up and taken away by the deposed queen.

Bridge Is Played on Trains With Instructions by Radio

CINCINNATI.—The popularity of the instructive Radio Auction Bridge games broadcast by WSAI during the past few months has extended far beyond the limits of the United States, according to letters and telegrams received by the stations broadcasting this feature.

The latest innovation which has come to the attention of WSAI is the playing of bridge accompanied by the Radio instructions on the fast trains of the Canadian National Railways. Thousands of letters received daily by WSAI, asking for reprints of games broadcast, indicate in an unmistakable manner that these games are recognized as one of the Radio features of the year.

Wilmington, N. C., Puts on Program at Station WRVA

WILMINGTON, N. C.—The Wilmington Radio club recently conducted an interesting program over Station WRVA, the new Edgeworth Tobacco company station, Richmond, Va. The program included an address by Hon. Walter H. Blair, mayor of Wilmington, selections by the choir of the First Presbyterian church, numbers by the Choir String quartet, the Carolinians orchestra, a talk by Louis T. Moore, secretary of the chamber of commerce, and other artists. The First Presbyterian church was founded in 1817.

Station KOA Famed as Detective Bureau

Locates Eleven Missing Persons by Means of Broadcasts

DENVER.—Records of a Radio detective bureau, maintained by KOA, Denver station of the General Electric company, disclose that 11 missing persons—three of them runaway youths who decided to make their own way in the world—have recently been located or restored to their families through the far reaching influences of Radio.

Most recent of KOA's human recoveries was an aged minister and prohibition worker of Indiana, who was identified in a Denver hospital. A fall on the sidewalk caused complete loss of memory. He was identified by descriptions transmitted through the air.

Ether waves are brought into play on an average of 20 times a month at KOA, for the purpose of running down persons who have abandoned home climes or are sought by police. The microphones at the Rocky Mountain broadcaster have been used 16 times in the last month for the apprehension of criminals ranging from a Wyoming arch-murderer and a band of North Dakota bank robbers to a wide variety of petty crooks.

FORD QUARTET PLAYS OLD-FASHIONED MUSIC

Old-Time Instruments Produce Tunes of Former Years

NEW YORK.—A quartet of instruments considered by the younger folks to be "old-timers," but familiar to those who dance the Virginia reel, the plain quadrille, two-step and other so-called old-fashioned steps, was heard during the program by Henry Ford's Old-Fashioned Dance orchestra playing on the main floor of the Ford exhibition at Broadway and 54th street, New York, and broadcasting through WEAF and thirteen other stations on Tuesday evening, January 12.

A cymbalum, dulcimer, sousaphone and violin comprise the instrumentation of the orchestra, these instruments being selected by Mr. Ford after lengthy experiments with various instruments for an ideal small dance orchestra.

While the violin and sousaphone are used in many modern dance orchestras, the cymbalum and dulcimer are considered quite antique. The former is a Hungarian stringed instrument, much like an open piano and is played with padded sticks. The dulcimer is much like the cymbalum, although much lighter in tonal quality and smaller in musical range.

Indians Like Band Music

GALLUP, N. M.—Navajo Indians are partial to band music, is the finding of Mike Kirk, a trader of the Manuelito trading post near the Navajo Indian reservation in the northwestern part of New Mexico.

"Navajo Indians have just been enjoying your 'midnight' program," Mr. Kirk has written to Station KDKA, Pittsburgh, "and especially did they like the Westinghouse band."

The Indians travel for many miles to hear Radio band concerts.

NINE STATIONS SEND FROM SCHENECTADY

GENERAL ELECTRIC CO. IS MAKING EXPERIMENTS

Corps of Workers Cover Country to Report Reception of Output of Transmitters

SCHENECTADY, N. Y.—Those who grope among the air channels at night have found an increasing number of Radio stations signing "General Electric company, Schenectady". There are now nine transmitters applying electrical impulses on nine different wave lengths from Schenectady, and during some periods seven transmitters may be on the air at the same time. Not all however broadcasting, some are transmitting code—but each is on its own wave length.

Eight Experimental Stations

Within three miles of Schenectady the General Electric company has constructed a gigantic transmitter developmental station. On the plot of many acres eight transmitters have been erected. Each transmitter has its independent antenna system and these systems, as well as the transmitters, are constantly undergoing changes as information on operation and reception is received.

The men at the transmitters are doing only part of the work, for development would be impossible without reports on reception of the output of these stations. The entire country, as a result, becomes a laboratory and the interested Radio experimenter is invited to become a volunteer co-worker. The General Electric company is greatly indebted to these listeners who have thus far reported on various tests, notably the 50-kilowatt broadcast tests and the programs broadcast alternately from vertical and horizontal antennas on super-power.

Experts Cover Country

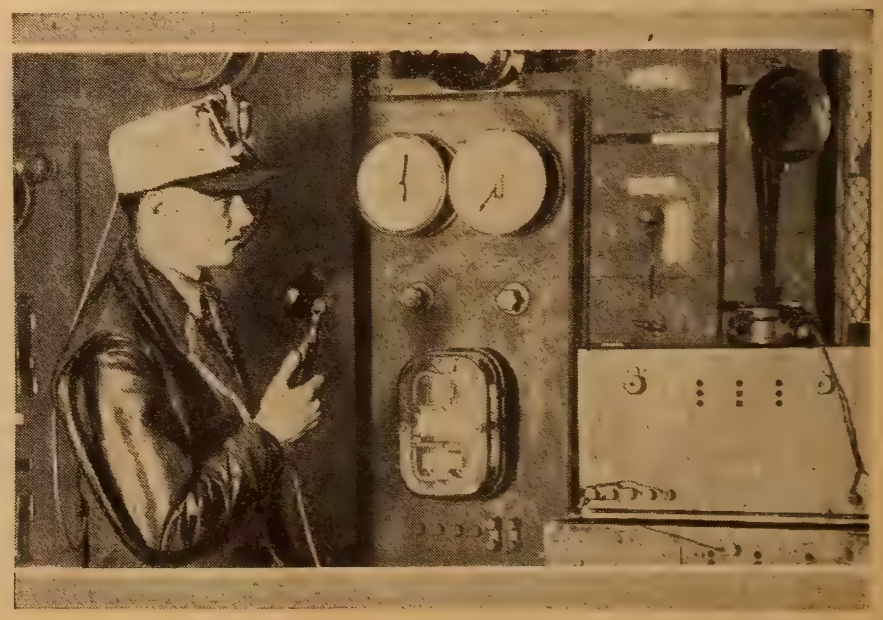
Reports from volunteer listeners are supplemented by observations made by a corps of field engineers who are detailed to various parts of the country. For example, engineers are traveling about with truck equipped with measuring instruments by means of which the characteristics of the radiated energy may be accurately set forth. Men are also detailed on ocean voyages for the express purpose of measuring the South Schenectady signals under varying conditions of weather and astmosphere.

Investigations at the South Schenectady station include the short and long wave lengths, code and broadcast signals with various degrees of power input and a wide variety of antenna structures. Engineers are painstakingly recording data on transmission during daylight and dark, in rain, snow or fog.

What Can Be Heard

At the present time the following stations may be heard on the air with broadcast programs from the studio of WGY: 2XAG, 379.5 meters; 2XK, 109 meters; 2XAF, 41.88 meters. Telegraph or continuous wave signals are put out from 2XAZ, 214 meters; 2XAC, 80 meters; 2XAD, 21 meters; 2XAW, 15 meters. 2XAH operating on 1560 meters is now undergoing changes in design, but has been on the air for weeks and will be heard again in a short time.

UNDERGROUND RADIO AIDS MINERS



THE apparatus shown is a special mine Radiophone sending and receiving set developed by the bureau of mines as an emergency means of communication with entombed miners. It is supplementary to the regulation mine telephone system and is designed to replace the latter when accidents put the wire telephone out of commission. It is of low power and cannot interfere with listeners in.

RADIO BILL HEARING SET FOR JANUARY 18

ALL INTERESTED WILL BE ABLE TO GIVE VIEWS

House Merchant Marine and Fisheries Committee to Hear Proposed Measure by Rep. W. H. White

WASHINGTON.—A tentative date of January 18 has been set by the house merchant marine and fisheries committee for hearings on the White Radio bill. Extensive hearings are planned and all those interested will be given an opportunity to express their views.

It has not yet been decided whether Secretary Herbert Hoover will appear before the committee to testify in regard to the Radio bill. The secretary has been asked by the committee for his views but it is not known whether he will appear personally or whether he will forward a written statement.

Howell Introduces Bill

Senator Howell, of Nebraska, has introduced a bill in the upper house "reaffirming the use of the ether for Radio communication, or, otherwise, to be the inalienable possession of the people of the United States and their government, and for other purposes." The bill has been referred to the senate committee on interstate commerce.

A similar bill was introduced at the last session of congress by Senator Howell. It was passed by the senate, but when the house took up the Radio bill, that section declaring ether free as contained in the senator's bill was incorporated, and the whole reported out by the house committee but no final action was ever taken on it.

FRENCH GOVERNMENT PLACES TAX ON SETS

Action Seems to Indicate State Monopoly of Radio

PARIS.—The question uppermost in the minds of 700,000 French listeners for the past three years—"Will there be a state monopoly of broadcasting?"—has been settled, the state virtually accepting the trust through its recent declaration of taxes on receiving sets.

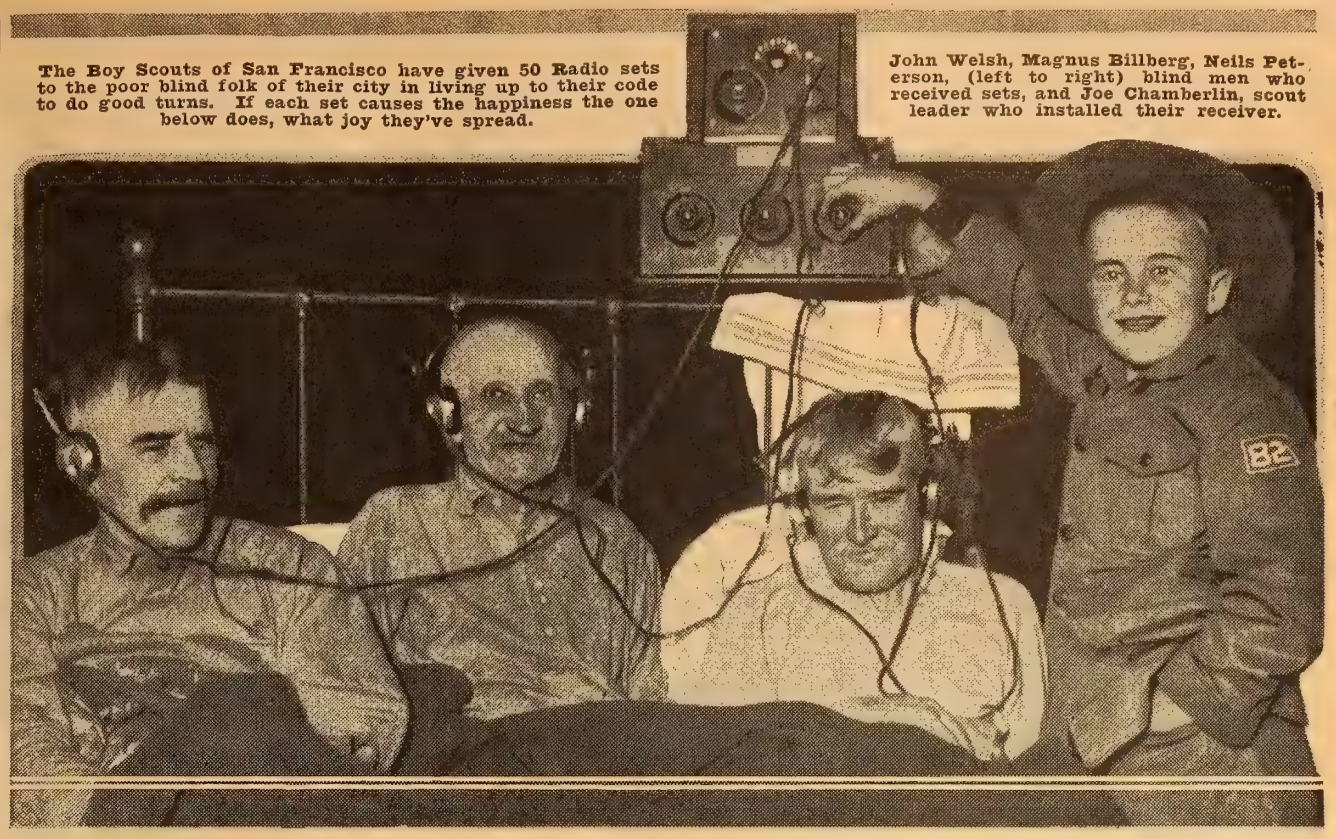
The new taxes on receivers are: 60 francs (about $2.50) for the first year, and 50 francs for the succeeding years on all tube sets; and 20 francs for the first year and 15 for the succeeding years on crystal sets.

There is a drastic provision that listeners must pay 10 times the amount due if they are found to be evaders.

"OVER THE WIADUCT DOWN BY THE WINIGAR WORKS"

The Boy Scouts of San Francisco have given 50 Radio sets to the poor blind folk of their city in living up to their code to do good turns. If each set causes the happiness the one below does, what joy they've spread.

John Welsh, Magnus Billberg, Neils Peterson, (left to right) blind men who received sets, and Joe Chamberlin, scout leader who installed their receiver.



OVER the wiaduct down by the winigar woiks in San Francisco, live three blind men in an abandoned horse car. By day they ply their various arts of intriguing stray coins from passing pedestrains. One sells lead pencils, another plays a wheezy organ and the third uses his voice to advertise a newsstand located some distance from the more prosperous marts of trade.

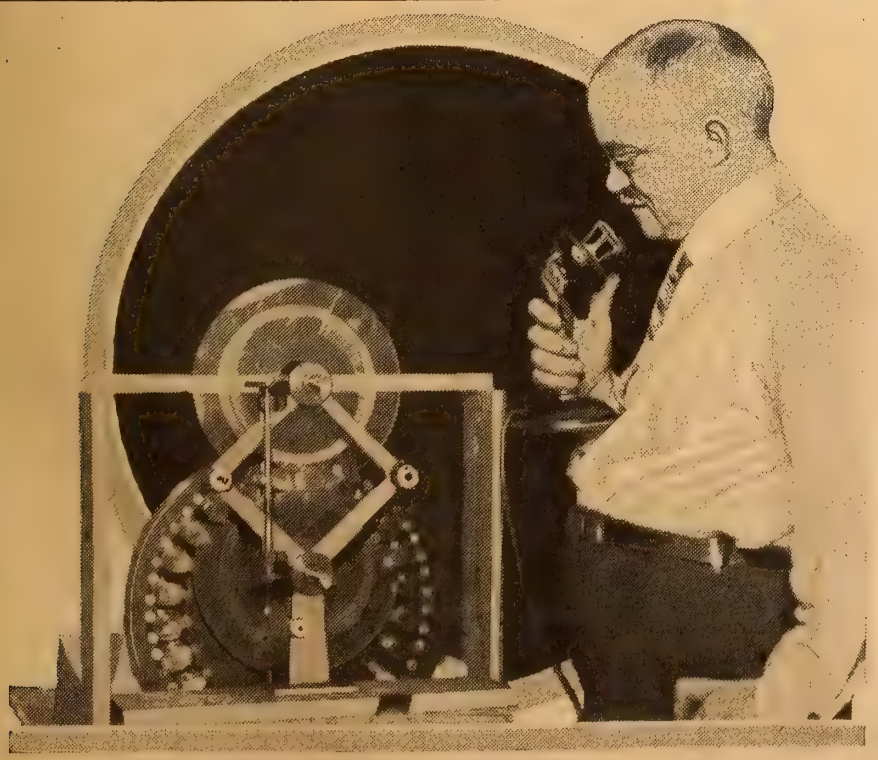
Some days are fair, others are not. But fair or foul, the three cronies find their way back to the abandoned horse car. A brigade of Boy Scouts set out a few weeks ago, to find wherewith and whereupon to bestow the daily kindly deed required by the Boy Scout code. The three blind men were discovered huddled together in the car by Scout Leader Joe Chamberlin.

They were found to be quite normal beneath their shirts and not at all like the original carborundum gent of the "winigar woiks" song. The boys brought in an old iron bed and a few kitchen utensils. By degrees they got the three old fellows organized on a housekeeping basis. Then as a final act of mercy and kindness, the scouts installed a Radio set at the head of the three-in-one bed. The horse car has become a palace car and one pal minds the dials, while the other two by turn are lulled to peaceful sleep. Many hours of the old men's lives are brightened.

WMBB Orchestra Solves Big Broadcasting Problem

CHICAGO.—According to the reports from observing listeners, WMBB is one Radio station which has solved the problem of broadcasting an orchestra properly. J. B. Lampe, the director, has placed the musicians of Dell Lampe's Trianon orchestra in such a position that each instrument not only maintains its proper balance in the orchestra on the air, but also produces its own share of the music for the dancing.

RADIO MOVIES IN TWELVE MONTHS



C. FRANCIS JENKINS, inventor of Radio vision and Radio movies, believes that experiments along the line of his invention during 1926, will progress to such an extent as to permit actual service before another twelve months have past.

"As to the outlook," says Mr. Jenkins, "I can only say that the groping progress which always attends revolutionary research has so far advanced as to lead us to expect that Radio vision will be put into useful service before another twelve months have passed."

In recent tests of Mr. Jenkins' invention, a moving picture and a verbal description of the picture were received at the same time. The pictures and words were transmitted on the same wave length and were separated on the receiving end, different electrical capacities being used in conducting the words to the loud speaker and the pictures to the picture cabinet. He is shown above with his invention.

CREATE OFFICE TO GIVE FARMERS AID

Department of Agriculture Will Keep Bureau to Send News to Rurals Through Ether

WASHINGTON.—With the appointment of Samuel Pickard, director of the Radio broadcasting station of the Kansas Agricultural college, to the newly-created position of "chief of the Radio service" of the United States department of agriculture, Radio now assumes a status along with newspapers and government bulletins as one of the major mediums for distributing agricultural information. Mr. Pickard will be under N. A. Crawford, director of information.

Farmers will be able, through the use of head phones, to receive instructions and helpful suggestions for successful farming fresh from the department of agriculture at Washington. Weather forecasts and market reports will be broadcast through a large chain of private stations and, in addition, the various bureaus of the department will prepare and broadcast popular talks relating to agricultural subjects.

Musical Background to Accompany 'Notices'

KFWB Adopts Screen Method for Poems of Publicity

HOLLYWOOD, Calif.—The latest thing—painless announcements! Most stations have a great many announcements of one kind or another to make, which have to be read yet tend to drive the station's audience away. Charlie Wellman, manager of KFWB, Hollywood, has borrowed a leaf from the pianologue and now renders his announcements about the firemen's ball and similar divertisements with a musical background furnished by Ray Bailey's trio.

Ray Bailey's trio is one of movieland's famous orchestras that furnishes emotional music for the taking of our best screen dramas. The difference between playing for the screen and for the microphone, according to Ray Bailey, is that on the sets the actors do the "emoting," while on the air the audience is supposed to do the job.

At any rate, instead of tiresome announcements from KFWB, we are now to get poems of publicity, Charlie Wellman and Ray Bailey collaborating.

Many letters have shown approval of the innovation.

MUSIC GIVEN MOST TIME ON WRC MIKE

CLASSICS HOLD LEAD OVER POPULAR PROGRAMS

Seventy-Two and One-Half Per Cent of Broadcasting Devoted to Playing of Music

WASHINGTON, D. C.—Music, with the classics holding a slight lead over jazz numbers, still constitutes the major portion of the broadcast entertainment from Station WRC, Washington, according to a check made on the station's broadcasting for one week.

Approximately 72½ per cent of the station's time during the week was devoted to broadcasting music, while the remainder was shared by talks, church services, travelogues and time signals.

290 Different Selections 301 Times

In all, 290 different musical selections were played 301 times from WRC in the 42¼ hours that the transmitter was in operation. Of the total number of selections, 172 were classical and 129 popular.

Despite the complaint that too many of the classical numbers are played and sung too much on the air, only one of the non-jazz compositions, "O Sole Mio" was heard more than once during the week. "My Heart at Thy Sweet Voice," "The Rosary" and Massenet's "Elegie," generally considered among the most overworked compositions, checked in only once each in the seven days.

How Time Was Used

Of the popular dance numbers several were played as many as three times, including "Want a Little Lovin'," "Cecelia," "Brown Eyes Why Are You Blue," "Remember," and "The Vagabond King."

Although WRC is silent on Monday, Wednesday and Friday evenings and all day Sunday, the weeks total of 42¼ hours is the average broadcasting time of the station. Of this total, music occupied 30 hours and 40 minutes; 29 talks were delivered, consuming seven hours and 35 minutes; Christmas services occupied three hours; a travelogue consumed 30 minutes and the remaining half-hour was devoted to broadcasting time signals.

South Dakota Club in Drive

MITCHELL, S. D.—The Sunshine State Radio club has been organized here and is engaged in an effort to enroll all broadcast listeners in South Dakota. F. J. Purdy of Mitchell, S. D., is president. Broadcasters are not eligible for membership.

'KILOCYCLES' ARE IT SAYS GOVERNMENT

'KILO' LIKED BETTER THAN METER WAVE LENGTH

Bureau of Standards Issues Table to Help in the Conversion of Radio Frequencies

WASHINGTON, D. C.—There is increasing tendency in Radio to express radio frequencies in kilocycles, rather than wave lengths in meters. "Kilo" means a thousand, and "cycle" means one complete alternation. The number of kilocycles indicates the number of thousands of times that the rapidly alternating current in the antenna, transmitting set, or receiving set repeats its flow in either direction in one second.

The bureau of standards has just issued a "Kilocycle Meter Conversion Table" in chart form. The table is printed on a single sheet of cardboard and can be posted in a convenient place for ready reference.

The table gives accurate values of kilocycles corresponding to any number of meters, and vice versa. The table gives values for every 10 kilocycles or meters, and is entirely reversible; that is, for example, 50 kilocycles is 5,996 meters and also 50 meters is 5,996 kilocycles. The range of the table is from 10 to 10,000 kc (10,000 to 10 m) and this can be extended in either direction by changing the decimal point.

Editor's Note.—Beginning next issue Radio Digest will give the kilocycles frequency of each station listed in the advance programs. This will be in addition to the wave length in meters listing. The meters listing will be followed by the kilocycles listing, thus:
"KDKA (309.1m-970kc) . . ."

WLS Now Broadcasts Symphony Orchestra

Engage Chicago Little Symphony to Give Nine Concerts

CHICAGO.—WLS, the Sears-Roebuck station, has engaged the Chicago Little Symphony orchestra for a series of concerts, in addition to those given from this station during the past several weeks.

The new contract of WLS with the Chicago Little Symphony orchestra, which is the original little symphony organization in this city, calls for nine performances from WLS between January 1 and March 19, 1926. The schedule calls for four concerts in January, three in February and two in March. More concerts may be added later.

Believing the Radio public would enjoy really good music by one of the best musical organizations in the United States, effort was put forth to secure the Little Symphony orchestra. With the cooperation of Director George Dasch and Business Manager Karl Schulte, the orchestra was induced to give Radio a tryout. This proved successful in the minds of the men who compose the musical organization.

500 FARMERS ENROLL IN BROADCAST SCHOOL

WCCO Short Course Attracts Northwest Farm Interest

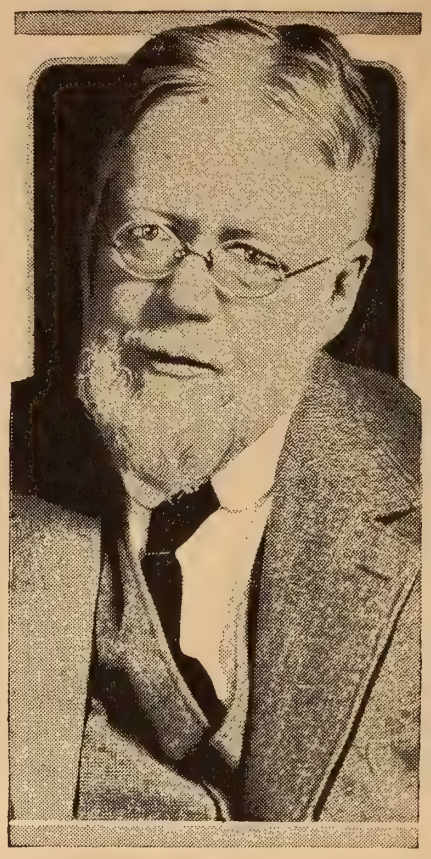
MINNEAPOLIS.—Approximately 500 farmers in Minnesota and other northwestern states have enrolled for membership in the agricultural short course which the Minnesota Farm school is broadcasting from the Gold Medal Station, WCCO, Minneapolis-St. Paul, at 7:45 p. m. central time, Monday and Friday evenings.

The first six weeks of the course, during October and November, were devoted to classes in poultry and dairying. The next six weeks were devoted to classes in swine-raising and bee-keeping. Lessons in gardening and flower growing are now being broadcast.

Hockey Contests Have Firm Hold Upon Radio Audiences

NEW YORK.—Hockey has taken a firm hold on the Radio audience. Station WJY, here, broadcast another game from the Madison Square Garden last Thursday evening, January 7. This time the contest was between the Boston Bruins and the New York team, the Americans. Major J. Andrew White, who was at the microphone, states that the play was the fastest he has ever seen and he feels that until airplane polo is established this game will hold the record for producing thrills.

SUES CORPORATIONS FOR SIXTY MILLIONS



PROFESSOR Reginald A. Fessenden, shown above, of Newton, Mass., nationally known as an inventor, recently filed a suit of $60,000,000 against eight prominent Radio corporations, charging that an unlawful combination on their part had been a restraint of trade and had lessened the value of his inventions. Professor Fessenden further alleged that they had combined to refrain from competition in purchasing patents, and applications for patents, inventions, devices, etc. He was formerly employed by Thomas Edison and is known chiefly as the inventor of the submarine signal.

Station Changes

"Experimental" licenses have been issued to the four following stations: KMMJ, Clay Center, Nebr., 229 meters, 500 watts; KFXR, Oklahoma City, Okla., 214 meters, 15 watts; WAGM, Royal Oak, Mich., 225 meters, 50 watts; WDAH, El Paso, Texas, 268 meters, 50 watts.

One Chicago station, WJJD, has increased antenna imput to 1,000 watts. It is rumored that WSBC, Chicago, will also go up to 1,000 watts. The University of Oklahoma broadcaster, WNAD, reopened last week with 500 watts power.

Canadian changes consist of one addition, a 10-watt station, CFDC, at Vancouver, B. C., and one delete, CHCM, at Calgary, Alta.

All Stations to Get Temporary Permits

Will Leave Way Clear to Act on Radio Bill

WASHINGTON, D. C.—As the broadcast stations licenses expire, the Radio section of the department of commerce is simply issuing temporary permits which have no definite time to run. This means, that within the course of three months, all of the broadcasting stations in the country will be working on temporary permits.

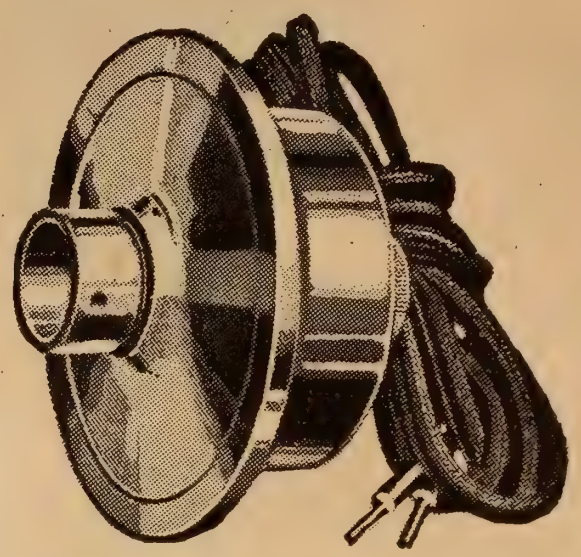
While officials of the department of commerce are not disposed to discuss this situation, it is believed that this is being done so that when a Radio bill is passed by congress, the department will be able to put it immediately into effect, if any changes are made as to permits in the new law.

The Northernmost Station Again

OTTAWA.—Canadians protest against the statement that Longyear-City on the island of Spitzbergen is the northernmost Radio telegraph station in the world, and claim that honor for a Canadian-owned station at Aklavik, which is only some 70 miles from the polar pack-ice ring. This station, it is stated, has been repeatedly heard with great distinctness as much as 2,000 miles away.

Big Price Reduction

FULTONE LOUD SPEAKER FOR YOUR PHONOGRAPH



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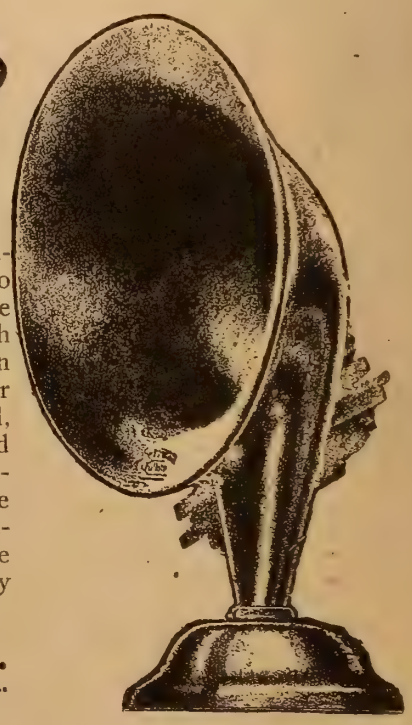

Fultone Loud Speaker has conclusively proven to the radio world that a reproducer could be made and sold at $6.50 which would handle music or speech in volume as perfectly as any speaker at any price. The horn is solid, non-ringing and wide-throated enough to handle the powerful reproduction from super-heterodyne or reflex. The adjustable diaphragm permits matching Fultone to any receiver and "B" battery voltage.

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QUICK NUT LOAF AID TO BUSY HOUSEWIFE

HOLDS BOTH CONVENIENCE AND BREAD VARIETY

Betty Crocker Gives Recipe for Making Delicious Loaf for Baking Powder Bread

By Betty Crocker

Have you heard, and do you regularly listen for Betty Crocker's Radio talks? Miss Crocker is nationally known as a home food specialist who is broadcasting from a dozen of the country's largest stations. By special arrangement Radio Digest has secured a series of exclusive articles by Miss Crocker dealing with her current Radio talks. These broadcasts are made through WEEI, WEAF, WCAE, WGR, WEAR, WWJ, WDAF, WHT, WFI, KSD, KFI and WCCO, the Gold Medal station at Minneapolis-St. Paul. All of Miss Crocker's recipes and discussions are based upon investigations and work of herself and her assistants in model kitchens. —Editor's Note.

OUR daily bread continues to be one of the important functions of the household, even though the baking of much of that bread has been taken out of the home. In the history of the world, bread has always been the important factor, and in the centuries that have passed, the lady was the loaf giver.

The great lady of yesterday was a busy person. She literally distributed the bread to the family, including the servants and retainers. Bread was not available in those days as it is now. Few homes possessed ovens 200 years ago, and so the castle or the master's house operated the bakery. The lady of today is still the loaf giver, but the conditions under which the loaf is prepared are vastly different.

Quick Breads American Idea

In foreign lands practically all of the bread is made of yeast, with different kinds of flour and meals, according to the products grown in each particular locality. Baking powder and quick breads are quite typical of America, but are scarcely ever found in other countries.

A baking powder bread such as nut bread is much more quickly made than yeast bread. Although it does not take the place of yeast bread in our three meals a day, it is a great convenience and helps to secure variety.

Nut Bread Recipe

Here is the recipe for nut bread:

Two cups Gold Medal flour, two cups Graham or Whole Wheat flour, four teaspoonsful baking powder, one teaspoonful salt, one cup sugar, one egg, two cups milk, and one cup nuts.

Method: Sift the flour once before measuring. Mix and sift dry ingredients. The bran which sifts out of the graham flour should be put back into the mixture. Add the milk gradually. Add the well beaten egg and mix thoroughly. Add the chopped nuts which have been dredged with part of the flour. Pour into well-greased loaf pan. Let stand 20 minutes. Bake one hour in a moderate oven, 350° Fahrenheit.

You will notice that the bran from the mixture is put back into the mixture. Some cooks make the mistake of sifting the graham flour and then throwing away the bran that is left in the sifter. The bran is the part of the graham flour that you particularly want.

The flour should be sifted always, but not with the idea of removing the bran. There are several reasons why we sift flour. First of all, to lighten up the mixture, as flour always packs down in the bin. If the flour is not sifted before measuring, it will be impossible to secure an accurate measurement. Other reasons for the sifting process are to incorporate more air into the flour and to raise the temperature of the flour to that of the room.

Why Let Bread Stand 20 Minutes?

Perhaps you wonder why nut bread must stand 20 minutes before baking. That is because the dough is rather stiff, heavy and in a thick loaf. We should have a good formation of gas from the baking powder before the mixture is put into the oven to bake, in order to have a light loaf.

You cannot expect to get good results if you do not measure accurately. Use the standard half pint measuring cup and standard measuring spoons. The flour should be sifted once before measuring and all measurements should be **level.**

Stale nut bread is delicious when toasted for afternoon tea as it is delicate and crisp. When served with marmalade or jam, it is quite a treat. Any kind of nuts may be used, except that black walnuts are rather strong for nut bread. English walnuts or hickory nuts are probably best. If you wish, you may use raisins in place of the nuts, or perhaps a mixture of half raisins and half nuts.

HELPS WOMEN FROM STATION WGY

Miss Jessie Lane, shown above before the desk microphone of Station WGY, has won a host of followers among the housewives of the country through her interesting and instructive talks, including recipes, which she gives every Monday afternoon over the General Electric transmitter at Schenectady, N. Y.

SHORT WAVES

By Marcella

Nate Caldwell, alias the "Joy Digger," ex-WBBM (Chicago) and now at the new KMOX (St. Louis), is a personal friend of Marcella's, although I hasten to add that our friendship is purely platonic. He's blonde, good looking and single. Went to Dartmouth college, and learned how to sing and entertain with a ukulele. His parental home is Chicago, where his father is a doctor. A year or so ago his favorite pastime was "skip-hiking," burdened only with toothbrush and safety razor. By the latter means he covered much ground and appeared at many stations. But still he's single, and only 24 years old.

* *

Correll and Gosden come in for next number of letters of inquiry this week, Here are the important facts. WGN uses them a lot nowadays, although they have made their usual hit from many other microphones. Both are single. Correll is about six inches shorter than Gosden, who also has an edge in having curly hair. But then Correll can play the violin, so that should make up for that. He started broadcasting at the age of five minutes, about, one day at Peoria, Ill., while Gosden started the same way at Hatteras, N. C., population—599 after he left. And sh-h-h girls, BOTH are extremely sentimental! So much for Gladyce.

* *

Paging Malie and Stept? does ANYONE know where they are and all about them? Write me, please!

* *

Beg your pardon. I flattered Jack Little. "Little" Jack Little is really little, and 25 years old exactly. If every broadcasting artist were as popular as Jack, I'd sure have to increase the size of my weekly contribution. Of course, he's most popular with Mrs.. Jack Little, and we don't think there's a chance for the rest of us. He was married, Elizabeth Ann, just last summer, or was it spring?

* *

Adams Colhoun, the likeable announcer for WFAA, Dallas, is probably married, but I'm not sure. He's one of the few I haven't been able to meet yet, but sometime I'm going to take a train right down and shake his hand. Like him, don't you? My reason for thinking he's married is that he sounds so mellow, wise and thoughtful. Bachelors are seldom that!

* *

"Bob" Emery was married this last summer. His wife has seen his star rise and is still watching its ascension, for she was secretary to him at old WGI, Melford Hillside, Mass., and later at WEEI, Boston, when Bob went there. These ukulele ditty songsters certainly flutter the hearts of the likes of us.

* *

What deep secret would you like to know about your favorite broadcast star? Drop me a note, girls, and I'll do my best to answer it here. MARCELLA.

Index to Women's Programs

Saturday, January 16

Eastern	Central	Mountain	Pacific
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.
WWJ (352.7) Tonight's dinner.			
11	10	9	8
WEAR (389.4) Home service talk.			
WHT (399.8) Women's club.			
12 n.	11	10	9
WGN (302.8) Household hints. Fashions.			
WQJ (447.5) Better diction. Character readings for young mothers.			
1 p. m.	12 n.	11	10
KMA (252) Domestic science topics.			
12:30	11:30	10:30	9:30
WGN (302.8) Discussion of fashions.			
12:35	11:35	10:35	9:35
KYW (536) Table talk.			
4	3	2	1
KJR (384.4) Tonight's dinner.			

Monday, January 18

Eastern	Central	Mountain	Pacific
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.
WWJ (352.7) Tonight's dinner.			
10	9	8	7
WJZ (454.3) Women's hour.			
WRC (468.5) Women's hour.			
10:45	9:45	8:45	7:45
WEAF (491.5) Home service talk, Betty Crocker.			
WFI (395) Gold Medal talk, Betty Crocker.			
11	10	9	8
WEAR (389.4) Home service talk.			
WHT (399.8) Women's club.			
WNYC (526) Women's program.			
11:15	10:15	9:15	8:15
WTIC (475.9) Fashion talk.			
11:30	10:30	9:30	8:30
KFAB (340.7), Home economics talk.			
WTIC (475.9) Housewife's forum.			
11:45	10:45	9:45	8:45
WCCO (416.4) Betty Crocker home service talk.			
WDAF (365.6) Betty Crocker home service.			
12	11	10	9
WGN (302.8) Household hints. Fashions.			
WQJ (447.5) Baking talk.			
12:15	11:15	10:15	9:15
KYW (536), talk.			
12:35 p. m.	11:35	10:35	9:35
KYW (536) Table talk.			
2:30	1:30 p. m.	12:30 p. m.	11:30
WGY (379.5) Cooking lesson; Household talks. What Can Be Done With One Recipe.			
3	2	1	12 n.
WCCO (416.4) Women's hour.			
WSOE (246) Cooking chats.			
4	3	2	1 p. m.
WIP (508.2) Market hints for housewives.			
WOC (483.6) Home Management schedule, Aunt Jane.			
WQJ (447.5) Table setting and etiquette. Care of the Skin.			
5	4	3	2
KJR (384.4) Home helps.			
7	6	5	4
KFOA (454.3) Today's recipe.			
KLX (508.2) Women's hour.			
KTAB (240) Women's club notes.			
10:30	9:30	8:30	7:30
KWSC (348.6) Lines for Stout and Slender Women.			

Tuesday, January 19

Eastern	Central	Mountain	Pacific
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.
WWJ (352.7) Tonight's dinner.			
10	9	8	7
WIP (508.2) Menu.			
WJZ (454.3) Women's hour.			
WRC (468.5) Women's hour.			
10:45	9:45	8:45	7:45
WTAG (268) Talks to Mothers.			
11	10	9	8
WEAR (389.4) Home service talk.			
WHT (399.8) Women's club.			
WMCA (340.7) Home makers' hour.			
12 n.	11	10	9
WGN (302.8) Household hints. Fashions.			
WQJ (447.5) New Colors for Spring. One Dish Meals.			
12:35 p. m.	11:35	10:35	9:35
KYW (536) Table talk.			
1	12 noon	11	10
KPO (428.3) Domestic science talk.			
2	1 p. m.	12 n.	11
WGY (379.5) Psychology in Child Discipline.			
WLIT (395) Household helps and hints.			
4 p. m.	3 p. m.	2 p. m.	1 p. m.
WOC (483.6) Home Management schedule.			
WQJ (447.5) First Courses for Dinner. Psychology as applied to Children.			
5	4	3	2
KJR (384.4) Home helps.			
5:30	4:30	3:30	2:30
KOA (322.4) Housewives matinee.			
6	5	4	3
KOA (322.4) Culinary hints.			
6:15	5:15	4:15	3:15
KOA (322.4) Fashion review.			
6:45	5:45	4:45	3:45
KOAC (280.2) Special homemakers' program.			
7	6	5	4
KFOA (454.3) Today's recipe.			
8:30	7:30	6:30	5:30
KGO (361) As a Woman Thinketh.			

Wednesday, January 20

Eastern	Central	Mountain	Pacific
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.
WWJ (352.7) Tonight's dinner.			
10	9	8	7
WIP (508.2) Menu.			
WJZ (454.3) Women's hour.			
WRC (468.5) Women's hour.			
10:45	9:45	8:45	7:45
WEAF (491.5) Home service talk, Betty Crocker.			
WFI (395) Gold Medal Service talk, Betty Crocker.			
WTAG (268) Talk to Housewives.			
11 a. m.	10 a. m.	9 a. m.	8 a.m.
WHT (399.8) Women's club.			
WNYC (526) Women's program.			
11:30 a. m.	10:30 a. m.	9:30 a. m.	8:30 a. m.
KFAB (340.7) Home Economics.			
11:45	10:45	9:45	8:45
WDAF (365.6) Checking up for the New Year. Betty Crocker.			
12 n.	11	10	9
WGN (302.8) Household hints.			
WQJ (447.5) The Middle Aged Woman. The Health Value of Winter Sports.			
12:30 p. m.	11:30	10:30	9:30
WGN (302.8) Discussion of fashions.			
12:35	11:35	10:35	9:35
KYW (536) Table talk.			
1	12 n.	11	10
KPO (428.3) Sewing talk.			
3	2	1	12 n.
WCCO (416.4) Woman's hour.			
3:30	2:30	1:30	12:30
WLW (422.3) Cooking school.			
4	3 p. m.	2 p. m.	1 p. m.
WOC (483.6) Home Management schedule, Aunt Jane.			
WQJ (447.5) Pies for Everybody.			
5	4	3	2
WMAQ (447.5) Recipes.			
7	6	5	4
KFOA (454.3) Today's recipes.			
KLX (508.2) Women's hour.			
KMA (252) Domestic science talk.			
10:30	9:30	8:30	7:30
KOAC (280.2) Household linens. Would You Like to Improve your Kitchen?			

Thursday, January 21

Eastern	Central	Mountain	Pacific
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.
WWJ (352.7) Tonight's dinner.			
10	9	8	7
WJZ (454.3) Women's hour.			
WRC (468.5) Women's hour.			
11	10	9	8
WEAR (389.4) Home service talk.			
WHT (399.8) Women's club.			
12 n.	11	10	9
WGN (302.8) Household hints.			
WQJ (447.5) Let's Have a Waggle Supper. Heart Disease.			
12:30 p. m.	11:30	10:30	9:30
WGN (302.8) Discussion of fashions.			
12:35 p. m.	11:35	10:35	9:35
KYW (536) Table talks.			
1	12 n.	11	10
KPO (428.3) Domestic science.			
2	1 p. m.	12 n.	11
WGY (379.5) Variety in Winter Months.			
4 p. m.	3 p. m.	2 p. m.	1 p. m.
WOC (483.6) Home Management schedule, Aunt Jane.			
WQJ (447.5) Red Riding Hood Party for Children. The Value of Mother's Vote.			
5	4	3	2
KFOA (454.3) Home helps.			
KSD (545.1) Women's Hour.			
5:30	4:30	3:30	2:30
KOA (322.4) Housewives' matinee.			
6	5	4	3
KOA (322.4) Culinary hints.			
6:15	5:15	4:15	3:15
KOA (322.4) Fashion review.			
6:30	5:30	4:30	3:30
KSAC (340.7) Removing Stains. Johnny Won't Eat That.			
7	6	5	4
KFOA (454.3) Today's recipe.			
8	7	6	5
KFMQ (299.8) Building the Small House Personality Differences in the Family Group.			

Friday, January 22

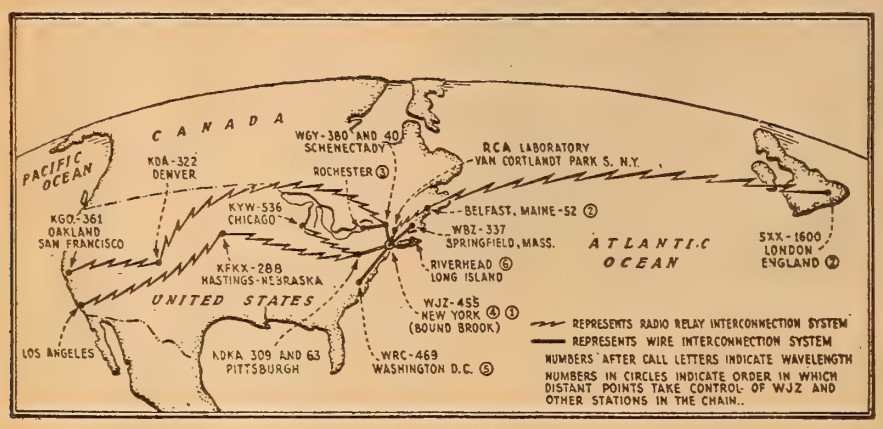
Eastern	Central	Mountain	Pacific
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.
WWJ (352.7) Tonight's dinner.			
10	9	8	7
KDKA (309.1) Domestic Science and Arts for the Housewife.			
WJZ (454.3) Women's hour.			
WRC (468.5) Women's hour.			
10:45	9:45	8:45	7:45
WTAG (268) Food hints.			
11	10	9	8
WHT (399.8) Women's club			
11:30	10:30	9:30	8:30
KFAB (340.7) Home Economics.			
WTIC (475.9) Housewives' forum.			
11:45	10:45	9:45	8:45
WDAF (365.6) Pour into the Crust and Bake. Betty Crocker.			
WDAF (365.6) Betty Crocker home service.			
WEAR (389.4) Home service talk.			
12 n.	11	10	9
WGN (302.8) Household hints.			
WQJ (447.5) Sunday Dinner Menu.			
12:30 p. m.	11:30	10:30	9:30
WGN (302.8) Discussion of fashions.			
12:35	11:35	10:35	9:35
KYW (536) Table talk.			
1:45	12:45	11:45	10:45
WOAW (526) Sunshine Sunday dinner menu.			
3	2 p. m.	1 p. m.	12 n.
WCCO (416.4) Women's hour.			
4	3	2	1
WOC (483.6) Home Management, Aunt Jane.			
WQJ (447.5) Second Radio lesson.			
5	4	3	2
KJR (384.4) Home helps.			
5:15	4:15	3:15	2:15
WMAQ (447.5) News of the Shops.			
5:30	4:30	3:30	2:30
KOA (322.4) Housewives matinee.			
WFAA (476.9) Women's hour.			
6	5	4	3
KOA (322.4) Culinary hints.			
6:15	5:15	4:15	3:15
KOA (322.4) Fashion review.			
11:30	10:30	9:30	8:30
KWSC (348.6) Results of Kitchen Improvement Contest for 1925.			

CHIMES OF LONDON RING OVER AMERICA

NEW WORLD AND EUROPE EXCHANGE PROGRAMS

R. C. A. Stations Link United States for International Broadcasts to Celebrate New Year

NEW YORK.—The chimes of London, tolled by unseen hands thousands of miles away, resounded in millions of homes in the United States on New Year's Day. In return, a large part of the civilized world was thrilled by a special New Year's Day gala program rendered by great operatic stars and broadcast by high power from the experimental station of the Radio Corporation of America at Bound Brook, N. J., in cooperation with the group of coast-to-coast broadcasting stations maintained by the General Electric company and the Westinghouse Electric & Manufacturing company.



The British Broadcasting company cooperated with the American stations in the most elaborate demonstration of world-wide broadcasting ever before attempted. The Old World inaugurated the New Year's Day celebration by Radio by pealing forth a greeting to the United States from the chimes in the tower of the Parliament building in London. The New World then broadcast a program, transmitted with sufficient power to be heard clear across the seas. The British Broadcasting company intercepted the American program and rebroadcast it over the chain of stations in England. In like manner, the program was rebroadcast in Germany.

Immediately preceding the special musical program broadcast from the United States, an official spokesman from America greeted the leading countries of the world by Radio. To overcome the barriers of language, a linguist repeated the greetings in French, German, Italian, Spanish, Polish, Swedish, Japanese, etc.

To demonstrate the extent to which Radio has become the art of instantaneous communication, Mr. Kent Cooper, general manager of the Associated Press, broadcast some brief news dispatches from the leading capitals of Europe. These press dispatches were transmitted to the New York office of the Associated Press by the world-wide wireless system of the Radio Corporation of America.

Because of the importance of the event, which represents one of a series of high-power broadcasting experiments now being conducted by the Radio Corporation of America, through the experimental Bound Brook station, 2XAR, and the remarkable program which was assembled for the occasion, the group of broadcasting stations maintained by the R.C.A. and its associated companies were interconnected from coast to coast, either by wire or by Radio.

Listening Posts Collect Data

Official "listening posts" on land and sea were established to gather exact engineering data on reception conditions throughout the world. The information thus collected in London, Paris, Berlin, Rome, Warsaw, Stavanger, Honolulu, Tokyo and other points is expected to be of the greatest importance in determining some of the problems of Radio transmission. In the United States, data was gathered by over 10,000 designated listeners in practically every city and town in the country.

HOT AIR PIPES TAKE AIR MUSIC ALL OVER

CINCINNATI.—A house full of music with the furnace and heat pipes directing the sound waves through the registers of every room has been brought about by Joe Best, an employe of the Crosley Radio corporation here. Taking his set down to the cellar, he placed the loud speaker in the cold air vent and then tuned in. Shortly every room was filled with music and, according to Mr. Best, there was absolutely no directional effect noticeable.

NO. 24 WIRE AND COLLODION OKEH

Bureau of Standards Soon to Issue New Paper on "Low Loss" Coils

WASHINGTON.—The bureau of standards has just completed an investigation on radio frequency resistance and inductance of certain "low loss" coils within the range of broadcast frequencies. A published paper containing the data will soon be available at the government printing office, Washington, D. C.

"The coils were of different shapes and wound with different kinds of wire," the paper will state. "Of the coils measured, the loose basket weave coil and the single-layer coil have the lowest radio frequency resistance. Number 24 double cotton covered wire is a suitable size of conductor, though numbers 32-38 Litz have somewhat less resistance. This holds for the entire broadcast range of frequencies and for all the shapes of coils measured.

"Collodion was found to be a suitable binder for holding the turns of certain shapes of coils together. There was noticeable reduction of resistance by spacing the turns of an ordinary single-layer coil."

If You Tune in Radio-Milan Let Them Know by Letter

ROME.—Radio-Milan station is making daily tests from 9:30 p. m. to midnight (3:41 to 6:11 p. m., eastern time) on a 337-meter wave length, using 1,200 watts. The request is made that listeners in picking these messages up communicate the fact, with observations on clearness, etc., by post card addressed to Radio-Milan, 23 Corso Italia, Milan, Italy.

Many Thousand Fans Visit Studios of KTHS

All the World Comes to See National Park Studio

HOT SPRINGS NATIONAL PARK, Ark.—That all the world comes to Hot Springs is strikingly illustrated from the guest register book kept in the studio of Station KTHS, New Arlington hotel, here, according to an analysis made by G. C. Arnoux, director, which shows that in the last 90 days more than 2,000 guests visited the Radio room on the twelfth floor of the hotel, coming from 37 states and eight foreign countries.

Visitors were registered from far away South Africa, France, Spain, Italy, England, Ecuador, New Brunswick and Winnipeg, Canada and Honduras.

The actual total of tourists visiting the Radio department, however, in the 90-day period is considerably more than the 2,000 names on the register, as it is estimated less than half the visitors take time to sign the book. Every variety of occupation from farmer to major general of the army and rear admiral of the navy is shown on the register.

Visitors May Watch Stars Before KMOX Microphone

ST. LOUIS.—"The Rendezvous" is a feature of the Station KMOX studios in the Mayfair hotel, St. Louis, which has met with instant favor. Every day during program hours visitors drop in for the features they prefer. The rendezvous is a large reception room looking into the studios through plate glass giving a view of the artists before the microphone. The daily organ recital from 12 to 1 p. m. central time is in great favor. This is by Arthur L. Utt, studio organist using the Kilgen organ, who gives a second program each evening from 6 to 7 p. m.

Tower

REG. U.S. PAT. OFF.

Develops New Diaphragm-

TOWER Speakers, now better than ever, are exclusively equipped with the wonderful new double Diaphragm.

Over fifty years ago Alexander Graham Bell invented the telephone receiver with its all-metal Diaphragm. This Diaphragm was for *telephone* reproduction. Since the inception of Broadcasting, this same general type has also been utilized —perforce—for *radio* reproduction.

But now, thanks to Dr. Herman Fisher, the eminent Russian Scientist and acoustical expert of the Tower Co., a distinctly new type of Diaphragm —revolutionary in principle and unparalleled in performance—has been developed.

This new Diaphragm is virtually a composite of two different materials of varying thicknesses. One portion is metal—to bring out high notes; the other portion is a special impregnated parchment for low notes. The metal, being harder, is better able to reproduce the thin, rapid vibrations while the parchment re-acts to the slower vibrations which produce the deep bass notes.

Thus, in Tower Speakers, *perfect* tone quality is obtained over the *entire* musical register—in accordance with the basic laws of sound reproduction.

Tower Speakers on Sale from Coast to Coast

TOWER MFG. CORPORATION
Boston, Mass.

We will pay $500 cash and make 1000 additional awards for a name best describing the wonderful new Diaphragm used exclusively in Tower Speakers. Send in your suggestions—on U. S. Post Cards—before February 15th.

Only Tower Speakers equipped with this New Diaphragm

WORLD'S GREATEST SPEAKER VALUES

ADVANCE PROGRAMS FOR THE WEEK

Saturday, January 16

Headliners Today

Eastern	Central	Mountain	Pacific
8 p. m.	7 p. m.	6 p. m.	5 p. m.
WNYC (526) Symphonic concert.			
8:15	7:15	6:15	5:15
WRC (468.5) Pan-American musicale.			
8:30	7:30	6:30	5:30
WIP (508.2) Pennsylvania - Dartmouth basketball game.			
8:40	7:40	6:40	5:40
WEAF (491.5) Mystery quartet.			
9:15	8:15	7:15	6:15
WSAI (325.9) Playing Card sextet.			
9:30	8:30	7:30	6:30
KSD (545.1) St. Louis symphony.			
10	9	8	7
WSM (282.8) Barn dance program.			
11	10	9	8
KHJ (405.2) Dedication of Shrine Temple.			
KPO (428.3) Special program, Third Birthday party.			
KYW (302.8) Amateur hour.			
11:10	10:10	9:10	8:10
KGO (361.2) Columbian trio.			
12 m.	11	10	9
WAHG (315.6) Alabama Minstrels.			
2 a. m.	1 a. m.	12	11
KFI (467) Midnight frolic.			

Saturday, silent night for: CFAC, CFCA, CHIC, CNRA, CNRC, CNRE, CNRM, CNRR, CNRT, CNRV, CNRW, KFDM, KFEQ, KFKX, KFKU, KFMQ, KFMX, KFUO, KFXF, KLX, KMA, KOAC, KOB, KQP, KSAC, KSO, KTAB, KWSC, WCX, WDOD, WEAO, WEBJ, WEBW, WEEI WGCP, WGR, WGST, WHAD, WHAZ, WHB, WHN, WHO, WIP, WJAR, WJAZ, WKAQ, WKAR, WLIT, WOAI, WOC, WOS, WRVA, WTAG, WTIC, WWJ.

Eastern Time Stations

CKAC, Montreal, Can. (411), 7 p. m., advice to the kiddies; 7:15, Windsor hotel dinner hour; 8:15, talk on Quebec; studio entertainment; 10:30, Windsor hotel dance program; hockey returns.

CKNC, Toronto, Can. (356.9), 4 p. m., CKNC string quintet, Charles E. Bodley, director; Elsie White, soprano; 8-10, Charles E. Bodley and his dance orchestra; Lawrence DeFoe, tenor; Charles Shearer, baritone; Bob Harvey, tenor; singing choruses, orchestra.

CNRO, Ottawa, Can. (435), 7:30 p. m., cozy corner; 8, Chateau Laurier concert orchestra; C. N. R. orchestra.

KDKA, Pittsburgh, Pa. (309.1), 7:15, 8 a. m., morning exercises, O. Shannon; 5:45 p. m., Daddy Winkum; 6:30, Westinghouse Employes band; 8, farm program; 8:30, Westinghouse Employes band; Harry Gretton, bass.

PWX, Havana, Cuba (400), 8:30-11 p. m., concert, Carlos Fernandez and artists.

WAHG, Richmond Hill, N. Y. (315.6), 12:02 p. m., Joe Zimmerman, pianist; 12 midnight, Alabama minstrels; Cotton Pickers quartet; Alabama Pete; Ukulele Bob McDonald; Cliff Ulrich trio; Arthur Feldman; Evan Davies; Alex Melville; John Godfrey; Manly Boone; Apollo theater orchestra.

WBBR, New York, N. Y. (272.6), 8 p. m., Professor Charles Rohner, violinist; 8:10, Fred Twaroschk, tenor; 8:20, Bible questions and answers, Judge Rutherford; 8:40, Fred Twaroschk, tenor; 8:50, Professor Charles Rohner, violinist.

WBZ, Springfield, Mass. (333.1), 7:30 p. m., Rene Dagenair, organist; 8, special musical feature.

WCAE, Pittsburgh, Pa. (461.3), 3 p. m., Nixon cafe; 6:30, William Penn hotel; 8, Youngstown artists.

WCX, Detroit, Mich. (516.9), 6 p. m., dinner concert, Book-Cadillac hotel.

WEAF, New York, N. Y. (491.5), 6:45-7 and 7:20 a. m., Tower health exercises; 4-5 p. m., dance orchestra; 6, dinner music, Hotel Waldorf-Astoria; 7, Ross Gorman and his orchestra from Monte Carlo; 8, "Art in Everyday Life," Robert W. De Forest, Metropolitan museum; 8:15, Mystery quartet; 8:30, Sadie Zuckerman, Dora Gutentog, piano duets; 8:40, Mystery quartet; 8:50, Sadie Zuckerman, Dora Gutentog, piano duets; 9, Pop concert; 10, Hughie Barrett and his orchestra, Hotel Commodore; 11-12, Vincent Lopez and his orchestra.

WFI, Philadelphia, Pa. (394.5), 1 p. m., tea room orchestra; 3, Levina Mitchell, soprano; Loretta Kerk, pianist; 6:30, Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra; 8, Real Estate board dinner, Bellevue Stratford hotel; 11, dance orchestra.

WGBS, New York, N. Y. (315.6), 10 a. m., timely talk, Terese; 10:10, Cousin Eleanor's Kiddie Klub program; 10:50, fashion talk, Mme. Hall Deane; 1:30 p. m., scripture reading; 1:35, George Herzog, pianist; 2, the Kenmorians; 3, Ben Goldman and his Boy Scout entertainers; 6, Uncle Geebee; 6:30, Bob Blum and his orchestra; 7, Arthur Murray, ballroom dance instructions; 7:10, Bob Blum and his orchestra; 7:20, International Film Arts Guild; 7:30, Twin Oaks orchestra, Frank Dailey, director; 8:30, Shell Beach trio; 10, A. D. Rockefeller, baritone; Robert Sherwood, tenor, duets; 10:30, Arrowhead inn dance orchestra.

WGCP, New York, N. Y. (252), 2:45 p. m., William Vorek serenaders; 3:30, Andy Fayof, Paul Dennake; 3:45, Elmer McDonald, orchestra; 8:30, Strickland's orchestra; 9, Ukulele Bob McDonald; 9:30, Charles Phillips, pianist; 9:15, Hilda Deighton entertainers; 10, June Lee, Sammy Fair, Artie Dunn; 10:15, Della Riordan, female baritone; 10:30, Strickland's orchestra.

WGR, Buffalo, N. Y. (319), 2:30 p. m., WGR's afternoon program.

WHAR, Atlantic City, N. J. (275), 2 p. m., Seaside hotel trio; 7:30, address; 8, Seaside hotel trio.

WIP, Philadelphia, Pa. (508.2), 6:45 a. m., setting-up exercises; 7, setting-up exercises; 10:30, reducing exercises; 1 p. m., organ recital; 3, Dal Ruch and his Arcadians; 6:05, Benjamin Franklin concert orchestra; 7, Uncle Wip's bedtime stories; 8, sports corner; 8:30, basketball game, Pennsylvania and Dartmouth; concert arranged by Abe Einstein, Stanley company of America; 10:05, Benjamin Franklin dance orchestra; 11:05, organ recital from Germantown theater.

WJZ, New York, N. Y. (454.3), 1 p. m., Irwin Abrams' Knickerbocker; 1:30, Hotel Lorraine grill orchestra; 7, Bernhard Levitow's Hotel Commodore dinner music; 8, Freya mixed quartet; 8:30, Radio novel, Cosmo Hamilton; 10:30, Paul Specht's Moulin Rouge orchestra.

WLIT, Philadelphia, Pa. (394.5), 12:02 p. m., daily almanac; Stanley theater organ recital; Arcadia cafe concert orchestra; 2, Arcadia cafe concert orchestra; 4:30, Ed Matthews and his entertainers; 7:30, organ recital; 7:45, Benjamin Franklin hotel concert orchestra.

WNAC, Boston, Mass. (280.3), 6 p. m., the Smilers, Clyde McArdle, conductor; 6:30, dinner dance, Morey Pearl's Tent orchestra; 7:30, "Maine, Its Advantages and Possibilities"; 8, Knickerbocker club, request night; 9, varied program, Bert Spears, director; 10, dance music, Copley Plaza orchestra, W. Edward Boyle, director; vocal selections, Jack Fay; Alice Matthews, accompanist.

WNYC, New York, N. Y. (526), 7 p. m., song recital; 8-10, Symphonic concert; David Mannes; 10, lecture.

WOO, Philadelphia, Pa. (508.2), 11 a. m., organ recital; 12:02 p. m., Golden's Crystal tea room orchestra; 4:45, organ recital; 7:30, Hotel Adelphia French room orchestra.

WOR, Newark, N. J. (405.2), 3:15-4 p. m., Casino tea music; 6:15, "Words Often Mispronounced"; sports, Bill Wathey; 6:30-7:15, Jacques Jacobs' Hotel Shelton ensemble; 7:30, Van's Collegians; 11-12 m., Katinka restaurant orchestra.

WPG, Atlantic City, N. J. (299.8), 1:30 p. m., Hotel Morton trio; 6:45, Arthur Scott Brook, organist; 7, Hotel Ambassador dinner music; 9, Hotel Traymore concert orchestra; 10, Nick Nichols' dance orchestra; 11, Elks Home dance orchestra.

WRC, Washington, D. C. (468.5), 12 n., organ recital, Homer L. Kitt studios; 1 p. m., Hamilton hotel orchestra; 6, Lee House trio; 7, Hotel Washington orchestra; 8, Bible talk; 8:15, Pan-American musicale, Alfredo Oswald, pianist, Clara Elena Sanchez, soprano, Alma Simpson lyric soprano, Lourette Howard, contralto; 9:15, to be announced; 10:30, Crandall's Saturday Nighters; 12-1 a. m., Spanish Village orchestra.

WREO, Lansing, Mich. (285.5), 6-7 p. m., Speed-Wagon serenaders, Gold Standard ensemble; 10-12, Speed-Wagon serenaders.

WTAG, Worcester, Mass. (268), 12:05-2 p. m., WTAG orchestra; 3-5, WTAG orchestra; 5:15, Twinkle Twinkle story teller.

WTAM, Cleveland, Ohio (389.4), 12:15-1:15 p. m., Austin Wylie's Golden Pheasant orchestra; 6-7, Carl Rupp and his Hotel Hollenden orchestra; 8-8:45, Guy Lombardo and his Royal Canadians; 8:45-9, popular music; 9-12, Coo Coo club.

WWJ, Detroit, Mich. (352.7), 9:30 a. m., tonight's dinner; special talk by the woman's editor; 12:05 p. m., Jules Klein's Hotel Statler orchestra; 3, Detroit News orchestra.

Central Time Stations

CKY, Winnipeg, Can. (384.4), 8 p. m., "Contemporary Book Reviews," University lecture, Prof. W. T. Allison; 9, concert, J. A. Banfield company.

KFAB, Lincoln, Nebr. (340.7), 8:30-10:30 p. m., Schmoller & Mueller musicale.

KFMQ, Fayetteville, Ark. (299.8), 7:30 p. m., basketball game, U. of Arkansas vs. Southern Methodist university.

Although Myra Lee has left the legitimate stage for the silent drama, she has found a way to bring her sweet soprano voice into the homes of her public. She broadcasts regularly from KNX, Hollywood. Many fans will remember her last season as the leading lady with Guy Bates Post.

High Lights of the Week

SATURDAY at midnight, the Alabama minstrels, said to be the greatest aggregation of entertainers ever roped, thrown and tied in a single round-up will face the microphone at WAHG for two hours of fun. In the olio will be found the Cotton Pickers quartet, Alabama Pete, the only dancer in the world who executes a triple buck, and others. This show carries the endorsement of pulpit, press and public. One night only. The frolic at KPO this same evening celebrates this station's third birthday.

Florence Austral, soprano, and Cecilia Hansen, violinist, are the Atwater Kent stars, scheduled for this Sunday over the WEAF chain. Mozart's opera "The Magic Flute," will be the feature Sunday at KGO, Oakland. Arthur S. Garbett will talk about this great musician and the KGO Little Symphony orchestra will play the opera.

Ice skating by Radio is the latest sport event of the winter season. The Metropolitan indoor ice skating championship races will be broadcast Monday by WNYC, from Madison Square Garden. WSM, Nashville, will give a special Robert E. Lee program, commemorating this great general of the South.

The Massachusetts Institute of Technology associated clubs are giving a special Radio dinner Tuesday. This meeting will be broadcast by WJZ, WRC, WGY, KDKA, KYW, and KFKX, besides the home station, WBZ. KOA will also attempt to rebroadcast the meeting. Oklahoma cowboys will invade WHB, Kansas City, with a peppy band which will keep fans from thinking any serious thoughts for an hour or two.

Laura C. Gaudet, the little French-Canadian pianist, who won great favor last spring with her series of recitals, will begin her second series of programs Wednesday evening. Miss Gaudet was crowned laureat of the Quebec City Academy of Music in 1922. She also studied two years in Paris and Rome.

The Swiss Singing society, a renowned musical organization of the Pacific coast will be heard from KPO, San Francisco, Thursday night. Sixty voices will take to the ether from this station.

"To Be or Not To Be?" these immortal words will find their way into the ether Friday night, when the famous WGY players put on "Hamlet." At KGO, the Oakland station of the General Electric company, a Scotch program of the prohibition kind will consist of songs and poems of Scotland. Even the old-time bagpiper will play.

KFNF, Shenandoah, Iowa (266), 7 p. m., Scotch trio; 11, old time fiddling.

KFVE, University City, Mo. (240), 9:15 p. m., amusement review, Romaine Fielding; Gene Witacker's orchestra.

KLDS, Independence, Mo. (441), 8 p. m., Ararat temple chanters.

KMA, Shenandoah, Iowa (252), 11:30-12:30 p. m., noonday rural program; domestic science talk, June B. Case; music; news; talk, Earl E. May; 6-7, Pollyanna stories, Mrs. Nickols; music; news; popular program; 9-11, pipe organ recital, William Howie; talk, Mrs. Ida B. Wise.

KMMJ, Clay Center, Nebr. (228.9), 1 p. m., Snoddy's orchestra and local talent; 1:30, factory and office program.

KPRC, Houston, Tex. (296.9), 12 n., Jack Willrich's orchestra; Virginia Willrich, piano accordionist; 7:30 p. m., Bible class, Rev. Claude L. Jonas; 8, Frank Tilton, blind wonder boy pianist; 8, Mrs. E. P. McClanahan; 8:30, Frank Tilton; 11, midnight concert.

KSD, St. Louis, Mo. (545.1), 7 p. m., Grand Central theater; 8:30, St. Louis Symphony orchestra.

KTHS, Hot Springs National Park, Ark. (374.8), 9-9:25 p. m., baritone solos, Louis Davis, Princess King, accompanist; 9:25-9:30, bedside story, Phanton Voice, Medical Intelligence bureau; 9:30-10:15, New Arlington hotel dance frolic; 10:15-10:45, Ruth Nininger, violinist; 10:45-11, dance tunes.

KYW, Chicago, Ill. (535.4), 11:35 a. m., table talk, Mrs. Anna J. Peterson; 12:05-1 p. m., noonday concert, Commonwealth Edison company; 1-2, Congress hotel, Coon-Sanders Original Nighthawks; 4, frolic; 7:05, children's bedtime story, Uncle Bob; 6, dinner music, KDKA; 7:30-8:30, home-lovers' hour; 8:30-11, Congress classic; 11:30-1 a. m., Congress carnival; 1-2, Insomnia club, Coon-Sanders Original Nighthawks.

WAMD, Minneapolis, Minn. (243.8), 12 noon, Marion Latta, contralto; Carl Schmid, tenor; Bayne Cummins, pianist; Whitney Nightengale, tenor; uke soloist; 7:05 p. m., talk; 7:10, musical program; Harmony Twins, Fred Roble, Bob Melcher; Adeline Wagner, soprano; Blue Boys orchestra, Lee Barry, director; Bob Barker, tenor; 11-12, Skyrocket frolic, George Osborn's Hotel Radisson orchestra; Garrick theater organ recital, Jack Malerick.

WBBM, Chicago, Ill. (226), 4-6 p. m., Harry and Sandy; Valentino inn orchestra; Jack Penewell; 8-9:30, college program; 9:30-11, Sandy and Harry; Moulin Rouge orchestra; Sy Berg; Fred Jacobson; 11-2, Sunset male quartet; George Thurn; Two Jays; Lew Russell; Romo Vincent; Moulin Rouge orchestra.

WBCN, Chicago, Ill. (266), 10-10:30 a. m., shopping talk, Penny Wise; 3-5 p. m., tea time matinee; Clarence Jones, pianist and song writer; Cecile and Johanna Arends, violinist and pianist; Marie Wright, soprano; 10-11:15, jazz jamboree, Midway Dancing Gardens orchestra; Cameron and Fett, "The Harmony Wizards," harmony duo; Albert Blaha, concertinist; Johnny Special, the harmonica acrobat; Elizabeth Emmett Malone, soprano; Jack Parker, tenor; 11:15-12, King Static's court; Frank H. MacDonald, "King Static"; Mary Williams, "Queen Olive"; Harry A. Zook, Jr., "Prime Minister"; "Big Boy" Yagle, "Court Jester."

WCCO, Minneapolis-St. Paul, Minn. (416.4), 12:30 p. m., Golden Pheasant orchestra; 2:30, afternoon concert; 6:15, Dick Long's Nankin cafe orchestra; 8, fireside philosophies, Rev. Roy L. Smith; 8:15, musical program; 10:05, Oxford theater orchestra.

WDAF, Kansas City, Mo. (365.6), 3:30-4:30 p. m., The Star's string trio; 6-7, address, "Street Railway Engineering and Transportation Problems," A. E. Harvey; address, Roger W. Babson; organ music, Pantages theater; The Trianon ensemble; 11:45-1 a. m., Plantation players, Hotel Muehlebach; Billy Adair's Kansas City club orchestra; Eddie Kuhn's Kansas City Athletic club orchestra.

WEBH, Chicago, Ill. (370.2), 11:30-12 n., woman's half hour; 3-4 p. m., special features; 7-8, Oriole orchestra; Sunday school lesson; Howard Neumiller, pianist; 9-10, Oriole orchestra; James Murray, tenor; Marie Kelly, reader; 11-11:15, Oriole orchestra; 11:15-12:30 a. m., news flashes; Wayne Myers, Frank Greif.

WENR, Chicago, Ill. (266), 6-7 p. m., daily dinner concert; Rauland-lyric trio; violin and cello selections, vocal numbers; 8-10, All-American Pioneers; Al Tweed and Walter Peterson, harmonic and guitar selections; Floyd Falch, baritone; John Papa, concertinist; Art Bilquist; 12-2 a. m., Frank Westphal and his All-American Pioneers; Rita McFawn, soprano; Art Bilquist, Mary Bieber.

WFAA, Dallas, Tex. (475.9), 12:30-1 p. m., Alex Hughes, pianist; 3:30-4, Tom Fowler, violinist; 4:30-5, Cloyd Griswold, singer; 6:30-7:30, Don Bestor's Baker hotel orchestra; 8:30-9:30, Mozart Choral club, Earle D. Behrends, directing; 11-12 m., Jack Gardner's Adolphus hotel orchestra.

WGES, Oak Park, Ill. (250), 5-7 p. m., Marge Van, organist; Ruth Kalthoff, mezzo-soprano; John Stanford, tenor; playlet, Miles Sullivan players; 8-9, Doc Berendson and his Tiffin theater orchestra; Paola Corado, baritone; Ellen Maurice, pianist; Remington Welsh, organist; 11-1 a. m., the Coyne Serenaders orchestra; Remington Welsh, organist; Sandy McTavish, Scotch comedian; Eddie Adams, the girl with the uke; Rose Sweeney and Loretta Clusman.

WGN, Chicago, Ill. (302.8), 11-11:30 a. m., household hints; 11:30-12 n., discussion of fashions; 12-12:40 p. m., public service period; 12:40-2:30, luncheon concert, Drake concert ensemble and Blackstone string quintet; 2:30-3, Lyon & Healy artists' series; 3-3:25, public service period; 3:25-3:30, "Port o' Missing Men"; 3:30-4:15, tea time music, Marshall Field's tea room orchestra; 4:30-5, organ recital, Edward Benedict; 5:30-5:57, Skeezix time; 6:30-7, dinner concert, Drake concert ensemble and Blackstone string quintet; 8-9, music hour, Drake concert ensemble and vocal artists; 9-10, popular program; 10-11, amateur hour.

WHAD, Milwaukee, Wis. (275), 11 a. m., pianolog, Andy Hertel; story for children, Faye McBeath; Margaret Cunningham, pianist; Willard Kaleibe, tenor banjo soloist.

WHAS, Louisville, Ky. (399.8), 1-2 p. m., Benson trio; 3-3:30, Mrs. Myrtle Fulks Zahn, Jr., organist; 4-5, musical selections, Harry S. Currie, director; Martha Pope Robinson, reader; readings, editorials; 7:30-9, Barney Rapp's orchestra.

WHT, Chicago, Ill. (399.8), 6 p. m., classical program; dinner organ recital, Al Carney, Grayling's string trio, Eleanor Kaplan, violinist, W. A. Dyckman, basso; Jean Carlson, soprano; Hugh Aspinwall, tenor; 7:45, 9:15 (238), musical features, Alamo orchestra; 9:30 (399.8), Chez Pierre orchestra; Fred Jacobson, humorist; 9:50, Kitchen Klenzer entertainers; 10:10, Vic Fredericks, baritone; Clark and Bala, Hawaiian team; 10:30, Gervin Little symphony; 11:30, Oscar Heather, tenor; 12, Pat Barnes, "Your Hour League," presidents, Pat Barnes and Al Carney.

WIBO, Chicago, Ill. (226), 10-11 a. m., shoppers' bureau; 2-4 p. m., popular shut-in program; 6-8, dinner concert, WIBO trio; Ruth Buhl Flick, reader; North Shore Line quartet.

WLIB, Chicago, Ill. (302.8), 7-8 p. m., dinner concert; 11-12, popular program; 12-1, dance program.

WLS, Chicago, Ill. (344.6), 12-12:45 p. m., Junior R. F. D. Roundup program; "Trapping," S. T. Keshen; "The Illinois State Egg Laying Contest," A. D. Smith; "Farm Woman of the National Poultry Show," Minnie G. Stearns; 2, "Silver Fox Farming," E. C. Flitch; 7, lullaby time; 7:15-12 m., barn dance.

WLW, Cincinnati, Ohio (422.3), 7 p. m., organ concert, Johanna Grosse; 7:30, children's safety talk, John Fry; 7:40, Secretary Hawkins; 8, Community Fireside sing, chorus from Cincinnati Conservatory of Music; 8:30, Rose City quartet; 9, program, Cincinnati Automobile club.

WMAQ, Chicago, Ill. (447.5), 6 p. m., Chicago theater organ; 6:30, violin choir, J. Sterling Morton school; 8, Frederick Daw and Russell Pratt; 8:30, Radio pho-

ALABAMA MINSTRELS COME TO WAHG

Saturday, January 16

tolog, "Rome in the Time of Caesar," Clara Laughlin; 9, Chicago theater revue; 9:55, University of Chicago chimes.

WMBB, Chicago, Ill. (250), 7-8 p. m., Trianon concert artists; Davida Boyd, Ralph Elliott, tenor and artists; semi-classical program; 9-11, Trianon orchestra, Dell Lampe, Woodlawn theater orchestra, Armin F. Hand, director; Scotty Welsh and Madison Sisters; Lionel Carter, Tracy and Duncan, popular program.

WMC, Memphis, Tenn. (499.7), 7:15 p. m., bedtime stories, Peter Pan and Tinker Bell; 8:30, Memphis Plectrum orchestra, Robert L. Sharpe, director.

WOAW, Omaha, Neb. (526), 6 p. m., orchestra; 7, after-dinner hour; 9, de luxe program; 10:30, Frank Hodek and his Nightingale orchestra; 11, Arthur Hays and organ jubilee.

WOC, Davenport, Iowa (483.6), 5:45-6 p. m., chimes; 6:30-6:50, Sandman's concert; 9-10, Rex's band; 11-12, LeClaire hotel orchestra; Peter MacArthur, baritone.

WOI, Ames, Iowa (270), 12:45 p. m., **"Soil Problems,"** Prof. W. H. Stevenson.

WOK, Chicago, Ill. (217.3), 1-2 a. m., Tierney's Town club orchestra; Husk O'Hare's Cocoanut Grove orchestra; Harriet Lee, contralto; Herman Sinaiko, violinist; George Allen, tenor; Bob Mokrejs, pianist; 6 p. m., 1:30 a. m., Gus C. Edwards and his orchestra; Husk O'Hare's Cocoanut Grove orchestra; Tierney's Town club orchestra; Capitol theater musical program; WOK mixed quartet; Herman Sinaiko, violinist; Harriet Lee, contralto; George Allen, tenor; Bob Mokrejs, pianist; Bill Hay, bass.

WOQ, Kansas City, Mo. (278), 8-9 p. m., musical program; 10-11, musical healing service.

WORD, Batavia, Ill. (275), 8 p. m., Webster hotel concert.

WQJ, Chicago, Ill. (447.5), 11-12 m., "Better Diction," Madame Peggy Righter; F. E. Ormsby, character reader; 3-4 p. m., koffee klatsch; 7-8, Rainbo Gardens orchestra; Gertrude Wolf Quentin soprano; Kane McDuffee, whistler; Ralph Keim, pianist; Anne Keim, mezzo-soprano; 10-3, Rainbo Skylarks; Dr. Carl Bertschinger, pianist; Jerry Sullivan; Rose Vanderbosch, soprano; Hal Lansing; Everett George Opie, reader; Oxford Girls; Rita McFawn, Mary Bieber, harmony singers; Thelma Pefferle, soprano.

WRR, Dallas, Tex. (246), 12-1 p. m., musical program; 5:15, bedtime story; 6-7, dinner hour music, Jack Gardner and his orchestra, Adolphus hotel; 8-9, program, Hubbell club.

WSAI, Cincinnati, Ohio (326), 7:30 p. m., children's stories, Mrs. Ethel Knapp Behrman; 7:50, chime concert, Robert Badgley; 8, national and international events, Allison F. Stanley; 8:15, Bicycle Playing Card sextet; 12 m., Hotel Sinton orchestra, Charles Dornberger, director.

WSM, Nashville, Tenn. (282.8), 6:30 p. m., concert, Francis Craig and his orchestra from Hermitage hotel; 7, bedtime story interlude; 8, program, Mrs Thomas Pinkerton and associate artists, Franklin, Tenn.; 9, barn dance program.

WSMB, New Orleans, La. (319), 8:30-10:30 p. m., concert, Mrs. Dupuy Harrison.

WSOE, Milwaukee, Wis. (246), 8:30 p. m., Sunday school lesson, Milwaukee Council of Churches; 9, Adolph Suppan, clarinetist; Carl Bauman, pianist.

WSUI, Iowa City, Iowa (483.6), 7:30 p. m., Indiana-Iowa basketball game.

Mountain Time Stations

KFWA, Ogden, Utah (261), 4-5 p. m., organ recital, Paramount theater; 5-6, Radio Dealers' program; 9-10:30, organ recital, Paramount theater; 10:30-12 m., dance music, Olie Reeves and his orchestra.

KOA, Denver, Colo. (322.4), 12:15 p. m., Rialto theater musicale; 9, Harmony Peerless orchestra.

Pacific Time Stations

KFI, Los Angeles, Calif. (467), 5:30-6 p. m., Examiner matinee; 6, nightly doings; 6:15, KFI's Seeing California; 6:30, vest pocket program; 6:45, radiotorial period; 7-8, Bill Hatch's Oakmont Country club dance orchestra; 8-9, Examiner hour; 9-10, Mary Christine Albin trio, Florence Kitzmiller, soprano; 10-11, Packard Radio club; 11-3 a. m., KFI midnight frolic.

KFOA, Seattle, Wash. (454.3), 4-5:15 p. m., William F. Hoffman's concert orchestra; today's recipe; 6-6:45, Hoffman's concert orchestra; 6:45-8:15, Rhodes department store; 10-11:30, Olympic hotel, Eddie Harkness' dance orchestra.

KFON, Long Beach, Calif. (232.4), 4:30-5 p. m., amusement bulletin; 6-6:30, organ recital, Brayton's theater; 7:30-9, Long Beach Municipal band; 9-11, Echophone Entertainers frolic.

KFWB, Hollywood, Calif. (252), 7:45 p. m., microphone brevities; 8-9, program, Paralta Photographic studios; 9-10, Warner Brothers syncopators; Stephanie Newton, contralto; Le Roy Kullberg and his ukulele; 10-11, Warner Brothers frolic, direction Charlie Wellman.

KGO, Oakland, Calif. (361.2), 4-5:30 p. m., concert orchestra, Hotel St. Francis; 8:10, Leo J. Meyberg company program; George Garland, saxophonist; Columbian trio; Lela Saling, soprano; Carol Jarboe, accompanist; Alice Poyner, violinist; Jeannette Sheerer, clarinetist; Frank Mueller, tenor; 10-12, Girvin-Deuel California Collegians.

KGW, Portland, Ore. (491.5), 12:30-1:30 p. m., Rose City trio; 6-7, dinner concert; 9-12, dance music; Curt Kremer, pianist.

KHJ, Los Angeles, Calif. (405.2), 6-6:30 p. m., Leighton's Arcade cafeteria orchestra, Jack Cronshaw, leader; 6:30-7:30, history story, Prof. Hertzog; Dollie Wright, Henrietta Poland, Nona Clapp with Uncle John; 7:30-8, Roller canary show; 8-10:30, dedication and program, Al Malaikah Shrine, Los Angeles; 10:30-11:30, Biltmore hotel dance orchestra.

KJR, Seattle, Wash. (384.4), 1-2:30 p. m., organ recital, Columbia theater; "What to Prepare for Tonight's Dinner," Bernice Redington; 6-6:30, what's doing at the theaters; 6:45-7, the box office, Seattle theaters' doings; 8:30-10, L. C. Warner company program, featuring artists; 10-12 m., Henry Halstead's Victor Recording orchestra.

KMTR, Hollywood, Calif. (238), 6-7 p. m., Starr Piano company studio; 8-10, Turner orchestra, Loren Powell, director.

KNX, Hollywood, Calif. (336.9), 5-5:30 p. m., Sunny Jim's story; 5:30-6:15, Wurlitzer pipe organ studio; Town Tattler; 6:15, travel talk, W. F. Alder; 6:30-7, Atwater Kent concert orchestra; 7, talks on insect life, H. W. McSpadden; 7:15, church announcements; 7:30-8, Wurlitzer pipe organ studio; 8-10, KNX feature program; 10-11, Ambassador hotel dance orchestra; 11-2 a. m., Hollywood Nite, Filmland Frolickers.

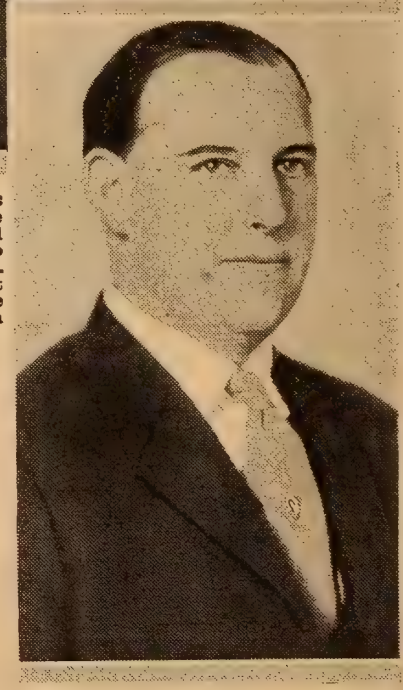
KPO, San Francisco, Calif. (428.3), 7-7:30, 8 a. m., daily dozen exercises, Y. M. C. A.; 10:30, "Ye Towne Cryer"; 12, reading of the Scriptures; 1-2 p. m., Rudy Seiger's Fairmont hotel orchestra; 2:30, popular music program by the Bohemian dance orchestra; 3:30, Palace hotel concert orchestra; Cyrus Trobbe, director; 6:30, "Ye Towne Cryer"; 6:35-7:30, Waldemar Lind and the States restaurant orchestra; 8-10, special program, celebrating the third birthday of the station; 10-12, Jack Coakley's Cabirians.

KPSN, Pasadena, Calif. (315.6), 8-9 p. m., Paul Reese and artists; 9-10, dance orchestra, Hotel Maryland.

KTAB, Oakland, Calif. (240), 9-9:30 a. m., prayer service, Rev. E. L. Spaulding.

A dainty little lady is Petrinella Trimbur (left) but she can play the organ so well that she has given the noonday concerts on Tuesdays at WLW, Cincinnati, for over a year.

There is real harmony at WBBM Thursdays from 8 to 10 p. m. central time when these two girls above, Marion Hadley, violinist, and her sister, Edna, pianist, get together to broadcast from the Stewart-Warner studio. If you are getting thin or putting on weight by tuning in for KGO, Oakland, you are listening to the instructions given by Hugh Barrett Dobbs, right.



Sunday, January 17

Headliners Today

Eastern	Central	Mountain	Pacific
3:30 p. m.	2:30 p. m.	1:30 p. m.	12:30 p. m.
WTIC (475.9) New Haven symphony orchestra.			
6:30	5:30	4:30	3:30
KGO (361.2) Little symphony orchestra.			
8	7	6	5
WBZ (333.1) Jordan Marsh Jubilee chorus.			
8:30	7:30	6:30	5:30
WCAU (278) Bonwit-Teller light opera.			
9	8	7	6
WQJ (447.5) Fontella trio.			
9:15	8:15	7:15	6:15
WEAF (491.5), WEEI (348.6), WGR (319), WCAE (461.3), WCAP (468.5), WJAR (305.9), WTAG (268), KSD (545.1), WCCO (416.4), WOC (483.6), WFI (394.5), WGN (302.8), WSAI (326), WWJ (352.7) Atwater Kent hour.			
10	9	8	7
WIP (508.2) "Rigoletto," opera.			
11	10	9	8
KFI (467) Classic hour.			
KTHS (374.8) A rollicking good time.			
12 m.	11	10	9
KFWB (252) Movie frolic.			
12:15 a. m.	11:15	10:15	9:15
WHB (365.6) Organ concert.			

Sunday, silent night for: CFAC, CKNC, CNRA, CNRC, CNRE, CNRM, CNRO, CNRR, CNRT, CNRV, CNRW, KFAB, KFAU, KFKX, KFKU, KFMQ, KFOA, KFVE, KFWA, KMA, KMTR, KOAC, KOB, KSAC, KSO, KWSC, PWX, WAHG, WCAD, WCX, WDAF, WEAO, WEBJ, WEBW, WGES, WGHB, WGST, WHAD, WHAS, WHAZ, WJAZ, WJJD, WKAF, WKAQ, WKAR, WLIT, WMAQ, WMC, WNYC, WOI, WOO, WRC, WRVA, WSB, WTAM, WTIC.

Eastern Time Stations

CFCA, Toronto, Canada (356), 11 a. m., Walmer Road Presbyterian church; 4 p. m., Washington cathedral; 6:20, dinner hour concert, Vesper string ensemble; 7:20, Capitol theater program, WEAF, 9:15, Atwater Kent hour.

CHIC, Toronto, Can. (357), 5 p. m., organ recital, George H. Graham, M. A.

CKAC, Montreal, Can. (411), 2:45 p. m., Capitol theater hour.

KDKA, Pittsburgh, Pa. (309.1), 11 a. m., service; 4 p. m., Dr. Charles Heinroth, organist; 4:45, Shadyside Presbyterian church, Rev. Hugh Thomson Kerr, pastor; 6:30, dinner concert; 7:45, church service.

WBBR, New York, N. Y. (272.6), 10 a. m., violin duets, Professor Charles Rohner and Carl Park; 10:15, Sunday school lesson, S. M. Van Sipma; 10:35, I. B. S. A. choral singers; 10:45, violin duets; 10:55, I. B. S. A. choral singers; 11, Bible lecture, Judge Rutherford; 11:40, I. B. S. A. choral singers; 2 p. m., Watchtower orchestra; 2:30, Fred Twaroschk, tenor; 2:45, Watchtower orchestra; 3, Bible lecture, Judge Rutherford; 3:30, Fred Twaroschk, tenor; 3:40, Watchtower orchestra; 9, Watchtower string quartet; 9:15, Bible questions and answers, Judge Rutherford; 10, Watchtower string quartet.

WBZ, Springfield, Mass. (333.1), 10:50 a. m., Trinity church; 7 p. m., Copley Plaza orchestra; 8, Jordan Marsh Jubilee chorus and orchestra; 9, Nina Mae Forde, soprano.

WCAP, Washington, D. C. (468.5), 11 a. m., First Baptist church; 7 p. m., St. Michael's cathedral.

WCAU, Philadelphia, Pa. (278), 5:15 p. m., undenominational church services, Rev. John W. Stockwell; 5:25, scripture quotations; 5:45, "The Escape from the Killer," Rev. John W. Stockwell; 6:45, Clarence Seamen's concert orchestra; 7:45, Cathay Tea Garden concert orchestra; 8:30, Bonwit Teller Light Opera; 9, Potash and Perlmutter.

WCX, Detroit, Mich. (516.9), 10:30 a. m., services, Central Methodist Episcopal church.

WEAF, New York, N. Y. (491.5), 2 p. m., Sunday Radio service, auspices of the Greater New York Federation of Churches, Rev. Herbert F. Laflamme, presiding; music, Lotta Madden, soprano; Mildred Bryars, contralto; Albert Miller, tenor; Arthur Billings Hunt, baritone; George Shackley, pianist; Walter C Gale, organist; address, Rev. William F. Sunday; 3-4, young people's conference from Marble Collegiate church, New York; 4-5:30, men's conference from Bedford branch, Brooklyn; address, Dr. S. Parkes Cadman; special music, Gloria Trumpeters; George Betts, chime soloist; Mr. and Mrs. Howard Wade Kimsey, song leader and pianist; 7:20-9:15, special musical program, Capitol theater; 9:15-10:15, Atwater Kent Radio hour.

WEEI, Boston, Mass. (348.6), 10:50 a. m., Old South church; 3 p. m., Chamber of Commerce organ; 5, Dr. S. Parkes Cadman, WEAF; 7:20, Capitol family; 9:15, Atwater Kent Radio artists.

WFI, Philadelphia, Pa. (394.5), 4:30 p. m., religious talk, Y. M. C. A.; Harold Simonds, baritone; 9:15, Atwater Kent concert, WEAF.

WGBS, New York, N. Y. (315.6), 3:30 p. m., Crystal Palace dance orchestra.

WGCP, New York, N. Y. (252), 7 p. m., Dulcimerians; 7:45, Madeline Freeman, soprano; 8, Paul Hagan, tenor; 8:15, Bernard Share, violinist; Harry Retakin, pianist; 8:55, health talk; 9, Strickland's orchestra.

WGR, Buffalo, N. Y. (319) 7:45 p. m., Central Presbyterian church service; 9:15, jointly with WEAF, Atwater Kent program; Florence Austral, soprano, and Cecelia Hansen, violinist.

WGY, Schenectady, N. Y. (379.5), 11 a. m., service of Madison Avenue Reformed church, Rev. R. M. Little, pastor; 12:30, Symphony society concert, Walter Hampden theater; 3, musical program, WJZ; 5, organ recital, Dr. Frank Sill Rogers; T. Roy Keeler, violinist, from St. Peter's Episcopal church; 7:45, service, Madison Avenue Reformed church; 9, WJZ program; 10, Godfrey Ludlow, violinist, WJZ.

WHAR, Atlantic City, N. J. (275), 10:15 a. m., morning service, Chelsea Baptist church; 2:15 p. m., sacred recital, Seaside hotel trio; 2:45, sermon; 7:30, Chelsea Baptist church; 9, "An Hour with the Classics," Seaside hotel quartet; 11:15, Strand theater organ recital.

WIP, Philadelphia, Pa. (508.2), 4 p. m., religious talk, Germantown Y. M. C. A.; 7:15, services, Holy Trinity church; 10, opera, "Rigoletto"; Ben Stad and his Little Symphony orchestra.

WLIT, Philadelphia, Pa. (394.5), 2 p. m., Arcadia cafe concert orchestra; 6:30, organ recital; 7, Benjamin Franklin hotel concert orchestra.

WMAK, Lockport, N. Y. (265.5), 10:25 a. m., First Presbyterian church; 7:30, Churchill tabernacle.

WNYC, New York, N. Y. (526), 7:30 p. m., musicale.

WOO, Philadelphia, Pa. (508.2), 10:30 a. m., services, Bethany Presbyterian church; 2:30 p. m., Sunday school musical exercises from Bethany Presbyterian church; 6, Clarence K. Bawden, organist.

WREO, Lansing, Mich. (285.5), 10 a. m., chimes, Belfry Plymouth Congregational church; 10:30, Plymouth Congregational church; 7 p. m., Central M. E. church.

WTAG, Worcester, Mass. (268), 4-5:30 p. m., Y. M. C. A., Dr. S. Parkes Cadman, WEAF; 7:20-9:15, Capitol Family; 9:15-10:15, Atwater Kent Radio hour.

WTIC, Hartford, Conn. (475.9), 3:30 p. m., New Haven Symphony orchestra.

WWJ, Detroit, Mich. (352.7), 11 a. m., services at St. Paul's Episcopal cathedral; 2 p. m., Detroit News orchestra; 7:20, Capitol theater gang, WEAF.

Central Time Stations

CKY, Winnipeg, Can. (384.4), 7 p. m., service, St. Andrew's United church; 9, Eveready hour of classical music, Earle C. Hill's Capitol theater orchestra.

KFAB, Lincoln, Nebr. (340.7), 4-5 p. m., vesper service.

KFNF, Shenandoah, Iowa (266), 10:45 a. m., First M. E. church; 2:30 p. m., Golden Rule song service; 3, men's gospel team; 6:30, Golden Rule circle; 7:30, Christian church service.

KFUO, St. Louis, Mo. (545.1), 4 p. m., "Take No Thought for the Morrow," comfort against anxious cares for the future, Rev. F. A. C. Meyer; 9:15, "Whatsoever Ye Would That Men Should Do to You, Do Ye Even So to Them," Rev. L. J. Sieck.

KLDS, Independence, Mo. (441). 11 a. m., Stone church services; 3 p. m., sacred program; 6:30, vesper service; Nina Smith, soprano; Alice Burgess, contralto; George Anway, tenor; Frank Russell, bass; sermonet, Ralph W. Farrell; 9, studio service; Robert Miller, organist; George Miller, pianist; Elizabeth Tanner Hitchcock, soprano; "Story of the Book of Mormon," Roy V. Hopkins.

KMA, Shenandoah, Iowa (252), 4-6 p. m., vesper service; music and talk, G. H. Van Houten; Bible study class.

KMMJ, Clay Center, Nebr. (228.9), church services.

KPRC, Houston, Tex. (296.9), 10:45 a. m., South Main Baptist church, Rev. M. M. Wolf, pastor; 8, Trinity Lutheran church; 8, Trinity Lutheran church, Rev. J. W. Behnken, pastor; 9:30, studio concert.

KSD, St. Louis, Mo. (545.1), 6:15 p. m., St. Louis Post-Dispatch concert orchestra; 8:15, Atwater Kent, WEAF.

KTHS, Hot Springs National Park, Ark. (374.8), 11-12:15 p. m., services, St. Luke's Episcopal church; 9-10, classic hour, New Arlington grand ensemble; 10-11:30, Arkansas Traveler frolic; 11:30-12:30 a. m., Lawson Reid, organist.

KYW, Chicago, Ill. (535.4), 11 a. m., Central church services, Rev. Frederick F. Shannon, pastor; 2:30 p. m., studio chapel services; 4:30, studio concert, Edwin Harper, director; 7, Chicago Sunday Evening club services, Clifford Barnes, president; music, Edgar Nelson, director; "Industry and Human Personality," Wm. P. Hapgood; 9:30, classical concert, Commonwealth Edison company.

WAMD, Minneapolis, Minn. (243.8), 7:05 p. m., Arthur H. Faust, Leone Faust; 9:30, Gayle Wood, harmony hurricane; request program.

WBBM, Chicago, Ill. (226), 12:30-2 p. m., William Zimmer, tenor; Kantor A. Kritz; Sandy Meek and Harry Sosnik; Edna Wheeler Ballard, harpist; Moulin Rouge operatic quartet; 4-6, Joe Allabaugh; Lavergne and Shayne, xylophonists; Pete Kules; Tip trio; Ziegler; Harold Anderson; 8-10, Sunset male quartet; WBBM string trio; Moulin Rouge orchestra; 12-2, Nutty club.

WBCN, Chicago, Ill. (266), 10:30 a. m.-12 noon, morning service, People's Liberal church; talk, Rev. Rufus A. White; 4-5 p. m., Dain & Son classical hour; Velma Cook, soprano; Oriental quartet; male harmony group; Robert Stronach, pipe organist; 7:45-9:15, evening services, Thoburn M. E. church, 40-piece Thoburn semi-symphony orchestra; 80-voice choir, special vocal soloist; speaker.

WCBD, Zion, Ill. (344.6), 8 p. m., Zion band and ladies' quartet, assisted by performers.

WCCO, Minneapolis-St. Paul, Minn. (416.4), 10:30 a. m., Westminster Presbyterian church; 4:10 p. m., House of Hope Presbyterian church; 6:20, Second Church of Christ Scientist; 8:15, Atwater Kent program.

WDAF, Kansas City, Mo. (365.6), 4-4:45 p. m., Sabbath vespers, First Presbyterian church, Rev. James Congdon, pastor.

WDOD, Chattanooga, Tenn. (256), 7:30-9 p. m., services.

WEBH, Chicago, Ill. (370.2), 10:40-12 m., Seventh Church of Christ, Scientist; 5-6 p. m., Oriole orchestra; Dorothy Herman Blum, soprano; 7-9, artists program; 8:15, Richard Dale, baritone; Mamie Stillerman, pianist; Belle Forbes Cutter, soprano.

WEBW, Beloit, Wis. (268), 4:30 p. m., regular college vesper service.

WENR, Chicago, Ill. (266), 2-4 p. m., classical program; Rauland-Lyric trio; sacred selections; 9:30-11:30, popular program; Frank Westphal and his All-American Pioneers; twin piano duets, vocal selections; Eric Sagerquist, violinist.

WFAA, Dallas, Texas (475.9), 2:30-4 p. m., Sunday hour for farmers; 6:30-7:30, Radio Bible class, Dr. William M. Anderson, pastor First Presbyterian church; Bible study and gospel song; 7:30-8:30, service, City temple, Dr. B. F. Fullerton, pastor; 8:30-10, Jack A. Davis, pianist; Jack Bell, tenor, "A Pair of Jacks"; 10-11, Don Bestor's orchestra.

WGES, Oak Park, Ill. (250), 7:40 p. m., the Woodlawn Park Presbyterian church choir; the Baldwin mixed quartet; Lydia Werner, soprano; Veronica Krebs, contralto; Peter Matthews, basso; John Stamford, tenor; Moody Bible institute program; Doc Erendson's orchestra.

WGN, Chicago, Ill. (302.8), 11 a. m., reading of the comics by Uncle Walt; 11:45, Chicago theater organ recital; 12:15 p. m., Chicago theater program; 2:30, Lyon & Healy organ recital; 3:5, Chicago Philharmonic orchestra; 8:15-9:15, Atwater Kent program, WEAF.

WHAD, Milwaukee, Wis. (275), 3:15 p. m., Turnverein Symphony orchestra.

WHAS, Louisville, Ky. (399.8), 10 a. m., St. Boniface Catholic church; 4:30-5:30 p. m., evening choral service, Christ Church cathedral; Ernest Arthur Simon, organist.

WHB, Kansas City, Mo. (365.6), 9:40-10:45 a. m., Linwood Boulevard Christian church; 11:15-12:30 p. m., Independence Boulevard Christian church; 8-9:15, Assembly of God church; 11:15-1 a. m., Linwood theater.

WHO, Des Moines, Iowa (526), 11 a. m., services; 7:30-8:30 p. m., Reese-Hughes orchestra.

WHT, Chicago, Ill. (399.8), 12 m., Sunday dinner sacred concert, vocal and organ; 12:15 p. m. (238.), sunshine hour, program for shut-ins and the sick; 1:15, shepherd time for the kiddies; 1:30, Aerial girls program; 1:45, Radio rangers; 2, fellowship program; 2:30, missionary program; 2:45, orchestra concert and afternoon services, Chicago Gospel tabernacle; 5:30, Vesper

KPO TO CELEBRATE THIRD BIRTHDAY

Sunday, January 17

concert; 6, Young Women's council; 6:30, concert, Tabernacle band and choir; sermon, Paul Rader; 9:30, request program; 10:30, Paul Rader and National Radio chapel staff.

WIBO, Chicago, Ill. (226), 2-4 p. m., Chester Newman, baritone; Mildred Perlin, reader; WIBO string trio; 6-8, sacred songs, Walter Preston; Fred Nobel, cornetist; Earl Bigelow, pianist; WIBO trio; 10-12, Hamilton club; Eugene Kammerer, bass; Walter Preston, tenor.

WLIB, Chicago, Ill. (302.8), 5-7 p. m., studio program.

WLS, Chicago, Ill. (344.6), 6 p. m., prelude; 7-7:55, WLS Little Brown church.

WLW, Cincinnati, Ohio (422.3), 9:30 a. m., school, editorial staff of Sunday School Publications, Methodist Book concern; 11, morning worship, Seventh Presbyterian church, Jesse Halsey, minister; 3 p. m., Cincinnati auto show; 4, organ recital, Mrs. Lillian Arkell Rixford; 7:30, services, First Presbyterian church, Dr. Frederick McMillan, pastor; 8:30, the H. & S. Pogue company concert, Walter Esberger, director.

WMBB, Chicago, Ill. (250), 3-5 p. m., Trianon orchestra, Dell Lampe, director; Earl Smith, Tommy Hughes, Scotty Welch, Madison Sisters, popular concert program; 7:40-9, services, Fifth Church of Christ, Scientist; 9-11, Trianon orchestra, Dell Lampe, director; Woodlawn theater orchestra, Armin F. Hand; Billie Allen Hoff, Grace Wells, Walter Duffy, Si Berg, popular program.

WMC, Memphis, Tenn. (499.7), 11 a. m., Second Presbyterian church.

WOAI, San Antonio, Texas (394.5), 11 a. m., services, First Presbyterian church, Rev. P. D. Hill, pastor; 7:45, services, Central Christian church, Rev. Hugh McLellan, pastor.

WOAW, Omaha, Nebr. (526), 9 a. m., Rev. R. R. Brown and his associates; 1:30 p. m., matinee program; 6, Mrs Carl R. Gray; 9, chapel service.

WOC, Davenport, Iowa (483.6), 1-2 p. m., Palmer Little Symphony; Paul J. Vipperman, tenor; 6:30-7, "The Brotherhood of Man," Dr. B. F. Martin; 8:15-9:15, Atwater Kent Radio artists; 9:45-11:45, Palmer Little Symphony.

WOK, Chicago, Ill. (217.3), 1-2 p. m., Bernie Cummins Town club orchestra; Husk O'Hare's Cocoanut Grove orchestra; Harriet Lee, contralto; Herman Sinaiko, violinist; George Allen, tenor; Bob Mokrejs, pianist; 6-1:30 a. m., Husk O'Hare's Cocoanut Grove orchestra; Bernie Cummins Town club orchestra; Capitol theater complete musical program; WOK mixed quartet; Herman Sinaiko, violinist; Harriet Lee, contralto; George Allen, tenor; Bob Mokrejs, pianist; Bill Hay, bass.

WOQ, Kansas City, Mo. (278), 11 a. m.-12:30 p. m., services; 7-7:45, services.

WOS, Jefferson City, Mo. (440.9), 9:30 a. m., religious services, Rev. Haushalter, pastor; 7:30 p. m., services, First Christian church, Rev. R. M. Talbert, pastor.

WQJ, Chicago, Ill. (447.5), 3-4 p. m., Christian A. Grimm, pianist; Dorothy Paxton, contralto; Jean St. Anne, baritone; Agnes Pringle, violinist; 8-10, Rainbo Gardens orchestra; Fontella trio; Prof. Ascan W. Kittner, pianist; stringed trio; Sheppard Levine, tenor; Helen Reed, accompanist.

WRR, Dallas, Texas (246), 11 a. m., church services; 7:30, church services; 9-10, Mexican artists.

WSAI, Cincinnati, Ohio (326), 3-4:30 p. m., address, Dr. S. Parkes Cadman, pastor of the Central Congregational church, Brooklyn, N. Y.; music, Gloria trumpeters; George Betts, chimer; 7:45, chime concert, Robert Badgley; 8, sermonet, Press Radio Bible Service, Inc.; 8:15-9:15, Atwater Kent Radio hour, featuring a famous grand opera star; 9:15, Union Central Life Insuance company orchestra, Sigmund Culp, director.

WSM, Nashville, Tenn. (282.8), 7:30 p. m., services, First Presbyterian church, sermon by Dr. James I. Vance.

WSUI, Iowa City, Iowa (483.6), 9:15 p. m., familiar hymns, William G. Edmondson, Jr., tenor.

Mountain Time Stations

CFAC, Calgary, Can. (435.8), 11 a. m., First Baptist church, Rev. H. H. Bingham.

KFXF, Colorado Springs, Colo. (250), 7:30-9 p. m., First Methodist church services.

KOA, Denver, Colo. (322.4), 11 a. m., First Congregational church, Rev. Robert Hopkin, pastor; 3 p. m., organ recital, R. H. Mintenauer; Mrs. Bernice W. Doughty, soprano; Jane Ballantyne, contralto; Royden S. Massey, tenor; Dr. Cornelius DeBey, baritone; 7:30, First Congregational church.

Pacific Time Stations

KFI, Los Angeles, Calif. (467), 6:30 p. m., nightly doings; 6:45, sunspot weather forecast; music appreciation chat; 7-8, Aeolian residence pipe organ, Dan L. McFarland, organist; 8-9, classic hour program arranged by Clarabell Patten Wallace; 9-10, Examiner hour; 10-11, Packard Six dance orchestra, Dick Barton, soloist.

KFON, Long Beach, Calif. (232.4), 6-6:30 p. m., organ recital, Brayton's theater; 8-9, service, First Church of Christ Scientist.

KFWB, Hollywood, Calif. (252), 9-11 p. m., late news; Warner Brothers Sunday night movie frolic.

KGO, Oakland, Calif. (361.2), 11 a. m., First Methodist Episcopal church; 3:30 p. m., KGO Little Symphony orchestra; Albert Gillette, bass-baritone; 7:30, First Methodist Episcopal church.

KGW, Portland, Ore. (491.5), 10:25-12 noon, services, First Presbyterian church; 7:30-9 p. m., religious services; First Congregational church; 9-10, concert, Chevrolet Little Symphony orchestra.

KHJ, Los Angeles, Calif. (405.2), 5-5:30 p. m., Roller canary show from Biltmore hotel; 6:30-7, Leighton's Arcade cafeteria orchestra, Jack Cronshaw, leader; 7-7:30, First Methodist Episcopal church; 8-10, program, Martin Music company; Ruth Pitts, soprano; John Martin, concert pianist.

KJR, Seattle, Wash. (384.4), 11-12:30 a. m., church services, First M. E. church, Dr. J. Ralph Magee, pastor; 5-6, Spargur string quartet, chamber music; 7:15-7:30, organ recital, Mrs. Montgomery Lynch; 7:30-9, evening services, First M. E. church, Dr. J. Ralph Magee, pastor; 9-10:30, Puget Sound Savings and Loan association orchestra, Henry Damski, director.

KNX, Hollywood, Calif. (336.9), 2-4 p. m., Park board musical program; 7-8, First Presbyterian church; 8-9, Ambassador hotel concert orchestra, Josef Rosenfeld, leader; 9-10:30, program, Beverly Hills Nurseries, Calmon Luboviski, violinist; Russian string quartet.

KPO, San Francisco, Calif. (428.3), 9:45-10:45 a. m., undenominational and non-sectarian church service; talk, "How We Can Work With God," Dr. S. H Werlein; bass solos, George W. Lane; improvisation on a familiar theme by Uda Waldrop; 10:45, "Ye Towne Cryer"; 2:30-3:30, program by KPO instrumental trio; 5-6, organ recital by Marshall W. Giselman at the California Palace; 6-6:30, Waldemar Lind and the States restaurant orchestra; 6:30, "Ye Towne Cryer"; 6:35-7:30, Palace hotel concert orchestra, Cyrus Trobbe, director; 8-8:25, Palace hotel concert orchestra, Cyrus Trobbe, director; 8:35-10, Rudy Seiger's Fairmont hotel orchestra.

KPSN, Pasadena, Calif. (315.6), 8:45-9:45 p. m., Maryland artists' ensemble.

KTAB, Oakland, Calif. (240), 9:45-10:45 a. m., Bible lecture, Prof. E. G. Linsley; 11-12:30 p. m., church service; 7:45-9:30, church service; 9:30-11, after-service concert.

Monday, January 18

Headliners Today

Eastern	Central	Mountain	Pacific
8 p. m.	7 p. m.	6 p. m.	5 p. m.

KSD (545.1) Rader's instrumental quartet.
WNYC (526) Ice skating races.
8:30 7:30 6:30 5:30
KSO (241.8) Old time music.
WHO (526) Simpson Conservatory of Music.
9 8 7 6
KDKA (309.1) Ruud light opera hour.
WDAF (365.6) "Iolanthe," opera.
WLIT (394.5) Stanley hour of music.
WSM (282.8) Robert E. Lee program.
WTAG (268) Robin Hood hour of music.
9:30 8:30 7:30 6:30
KPRC (296.9) Band concert.
10 9 8 7
WEAF (491.5), WEEI (348.6), WGR (319), WCAE (461.3), WTAG (268), WCCO (416.4) Grand opera, "Romeo and Juliet."
10:30 9:30 8:30 7:30
WHAZ (379.5) Dixie orchestra.
WGR (319) "Thoughts with Tunes," novelty program.
WTIC (475.9) For distant listeners.
10:45 9:45 8:45 7:45
KTHS (374.8) Old favorite ballads.
11 10 9 8
WLW (422.3) Popular program.

The sheik of the ukulele is the title given LeRoy Kullberg at KFWB, Hollywood. He is popular with the ladies whether he is seen or unseen.

The Williamson Brothers, Harold and Leo, above, have grown up with Radio. Look at the handsome young men they have become. These wandering minstrels of the air can never be found at the same station very long. The last station they visited was WOAW. No wonder Roxy's gang is popular. Here is Beatrice Belkin, left, whose colorature soprano voice is a regular feature of the group when broadcasting over the WEAF chain.

Monday, silent night for: CHIC, CNRA, CNRC, CNRE, CNRM, CNRO, CNRR, CNRT, CNRV, CNRW, KFDM, KFEQ, KFMQ, KFMX, KFWA, KHJ, KLDS, KYW, PWX, WBBM, WBCN, WCAD, WCBD, WEAO, WEBH, WEBJ, WEBW, WENR, WGBS, WGES, WGN, WHAS, WHT, WIBO, WIP, WJAZ, WJJD, WKAQ, WLIB, WLS, WMAQ, WMBB, WOAI, WOC, WOK, WORD, WQJ, WRC, WREO.

Eastern Time Stations

CKAC, Montreal, Can. (411), 1:45 p. m., Windsor hotel trio.

CKNC, Toronto, Can. (356.9), 8-11 p. m., CKNC Little Symphony orchestra, Charles E. Bodley, director; Aeolian vocal quartet; Hazel Hall VanderVoort, soprano.

KDKA, Pittsburgh, Pa. (309.1), 7:15 a. m., 8 morning exercises; 5:45, p. m., children's period; 6:30, dinner concert; 8:15, current events, Dr. Elmer Graper; 9, Ruud light opera hour.

WAHG, Richmond Hill, N. Y. (315.6), 12:03 p. m., Grebe matinee trio; 7:30 p. m., "A Kiss at Xanadu," Maude Mason; 7:45, Davison Sisters; 8, Synchrophase trio; 8:30, Horace J. Taylor, reader; 9:30, "The Land of the Pharaohs," Major Dent Atkinson; 9:45, Jean McGregor, soprano; 10:20, Joe Zimmerman's orchestra; 12, popular program.

WBBR, New York, N. Y. (272.6), 8 p. m., Irene Kleinpeter, soprano; 8:10, worlds news digest; 8:20, George Twaroschk, violinist; 8:30, Bible instruction from "The Harp of God"; 8:40, Irene Kleinpeter, soprano; 8:50, George Twaroschk, violinist.

WBZ, Springfield, Mass. (333.1), 6:30 p. m., KDKA; 7:30, Hotel Lenox ensemble; 8, Capitol theater orchestra; 8:30, "Theatrical Gossip," Samuel Wren; 9, Aleppo Drum corps; 9:30, program, courtesy Humbert F. Tosi.

WCAP, Washington, D. C. (468.5), 7 p. m., studio program; 7:45, women's industrial meet; 9, A. and P. Gypsies, WEAF; 10, opera, New York.

WCAU, Philadelphia, Pa. (278), 8 p. m., Radio talk, Wilson N. Durham; 8:15, Carolyn Thomas, soprano; 8:45, Barry O'Moore and the 437 American Radio quartet; 9-10, Nokol concert; 9:30, Midget Miller and Will Morrisey; 10, Madame Cecile, concert violinist; 10:30, Parodians dance orchestra.

WCX, Detroit, Mich. (516.9), 6 p. m., dinner concert, Book-Cadillac hotel; 8, studio concert.

WEAF, New York, N. Y. (491.5), 6:45-7 and 7:20 a. m., Tower health exercises; 10:45-12, Betty Crocker Gold Medal Flour home service talk; musical program; "A Cooking Corner for Children," Mrs. Arthur Griswold; Columbia university lecture on "Physical Care of Infants and Small Children and Health of Preadolescent Children"; 4-5, Mrs. Lawson Turner, alto; children's stories by Catherine West Hallett; "The Place of the Smaller College in the Educational World," Dr. Murray Barrlett; 6-12, dinner music from Rose room of Hotel Waldorf-Astoria; Columbia university lecture; lullaby lady; Pop concert; Tower health talk; music, A. and P. Gypsies; grand opera, "Romeo and Juliet," WEAF; Ben Bernie and his orchestra from Hotel Roosevelt.

WFI, Philadelphia, Pa. (394.5), 10:40, Betty Crocker; 1 p. m., tea room orchestra; 3, "Four-footed Heroes," Ed N Skipper; talk, Benjamin Franklin's birthday; 6:30, Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra.

WGBS, New York, N. Y. (315.6), 10 a. m., timely talks; 10:30, Jack Cohen, jazz pianist; 10:20, Lillian Regan, fashion talk; 10:40, decorations, Dorothy Herzig; 10:50, Jack Cohen, jazz pianist; 1:30 p. m., Frances Callo, soprano; 2, Herman Goldberg, violinist; 3, interview with Adelaide Stedman; 3:10, duets, Florence Loftus and Theodore North; 3:20, talk, Blair Niles; 3:30, duets; 3:40, talk, Florence Kelley; 6, Uncle Geebee; 6:30, Premier club orchestra; 7, talk; 7:10, orchestra.

WGCP, New York, N. Y. (252), 11:45 a. m., race results; 3 p. m., Ona Welsh, pianist; 3:20, LeRoy Montesanto, tenor; 3:35, Eva Rothenberg, pianist; 3:50, Jack Davis; 4:15, Sherman and Pollack; 4:30, Uncle Robert's pals; 5:15, Judith Roth, soprano; 8:20, Loomis orchestra; 9:15, talk to boys, Philip Wolf; 9:55, studio program; 9:45, Bob Ward, three little Wards; 10, orchestra; 11, Connie's orchestra.

WGR, Buffalo, N. Y. (319), 2:30 p. m., WGR afternoon program; 6:30, Mountain View orchestra; 8, Buescher's Saxophone band; 9, program, Wheat's Ice Cream company; 10, vocal recital, featuring soprano and baritone; 10:30, "Thoughts with Tunes," novelty program by Gertrude Hutchinson; 11-1 a. m., Vincent Lopez' Hotel Statler dance orchestra, Harold Gieser, director.

WGY, Schenectady N. Y. (379.5), 2 p. m., Asia restaurant orchestra; 2:30, music; household talks, cooking lesson, Jessie B. Lane; "What Can Be Done With One Recipe," Reena Roberts; 6:30, dinner program, Porter E. Potts' Hotel Van Curler orchestra, Schenectady; 7, agricultural program, news items; 7:45, Hebrew music, WGY orchestra; Lillian Rosenthal Leavitt, soprano; "Literary Appreciations," William L. Widdemer.

WHAR, Atlantic City, N. J. (275), 2 p. m., Seaside hotel trio; 7:30, talk; 8, Seaside hotel trio; 11:30, dance orchestra.

WHAZ, Troy, N. Y. (379.5), 9 p. m., program, boys of Berkshire Industrial school; 9:30, "Methods of Testing Engineering Materials," Prof. T. R. Lawson; 10:30, Dixie orchestra, Catskill, N. Y.

WIP, Philadelphia, Pa. (508.2), 6:45 a. m., setting-up exercises; 7, setting-up exercises; 1 p. m., Gimbel tea room orchestra; 3, artist recital, Philadelphia Conservatory of Music, Hendrik Ezerman, director; Anna Speck, soprano; Flora Ripka, pianist; 4, market hints for housewives; 6:05, Benjamin Franklin concert orchestra; 7, Uncle Wip's bedtime stories; dancing lesson by Miss Miller.

WKAR, East Lansing, Mich. (285.5), 7:15-7:30 p. m. "Table Setting," Josephine Hoffarth; 7:45-8, "Renovating Clothes," Anna Bayha; 7:30-7:45, "Time Schedules," Edna V. Smith, Irma Gross; 8-9, Michigan State Union orchestra.

WLIT, Philadelphia, Pa. (394.5), 12:02 p. m., daily almanac; Stanley theater organ recital; Arcadia cafe concert orchestra; 2, Arcadia cafe concert orchestra; 7:30, Dream Daddy's bedtime stories; 9, Stanley theater hour of music; movie review, James A. Nassau; 10, Arcadia cafe dance orchestra; 10:30, vaudeville features, Gay's Knickerbocker theater.

WMAK, Lockport, N. Y. (265.5), 7:30-8:30 p. m., Murray Whiteman and his serenaders; 8:30-9, New Olympic theater.

WNYC, New York, N. Y. (526), 6:30 p. m., German lessons; 7:35, dance program; 8-10, Metropolitan Indoor Ice Skating championship races; 10:10, lecture.

WOO, Philadelphia, Pa. (508.2), 11 a. m., organ recital; 12:02 p. m., Golden's crystal tea room orchestra; 4:45, organ recital; 7:30, Ritz Carlton concert orchestra; 8, pop concert; 9, A. and P. Gypsies; 10, grand opera, "Romeo and Juliet"; 11, Ritz Carlton dance orchestra.

WOR, Newark, N. J. (405.2), 2:30-3 p. m., Oreste's Queensland club; 3:45, talk; 6:15, "Words Often Mispronounced"; 6:17, sports, Bill Wathey; 6:30-7:15, Jacques Jacobs Hotel Shelton ensemble; 8-8:30, current topics lecture, H. V. Kaltenborn; 8:30-9:30, Al Reid's hour, Branford theater; 11-12 Irving Aronson's Crusaders.

WRC, Washington, D. C. (468.5), 10 a. m., women's hour; 12 n., organ recital, Homer L. Kitt studios; 1 p. m., Shoreham hotel orchestra; 4:30, musicale.

WRVA, Richmond, Va. (256), 8:10 p. m., Fourrose jubilee quartet, spirituals and cotton field melodies; 8:45, Pat Binford and Bright Keck, popular entertainers; 9, travelogue, Dr. Douglas Freeman; 9:10, Pat Binford and Bright Keck, popular entertainers; 9:30, Woman's choral club of Richmond, solos and instrumental trio, violin, piano, cello, Paul Saunier, director; 11 Carry Me Back to Old Virginny.

WTAG, Worcester, Mass. (268), 10:30 a. m., musical selections; 10:45, talk, Marjorie Woodman; 12:05-2 p. m., WTAG orchestra; 7, science talk, Fred D. Aldrich; 7:15, twilight scouts; 7:45, scout announcements, Joseph Wadleigh; 8, "The Cockerel Futurity Test—a Method of Progeny Testing," W. C. Monohan; 9-10, Robin Hood hour of music, Arthur Crosbie, director; 10-11, WEAF Grand Opera company.

WTAM, Cleveland, Ohio (389.4), 12:15-1:15 p. m., Austin Wylie's Golden Pheasant orchestra; 6-7, Guy Lombardo and his Royal Canadians; 8-11, Willard symphony; 11-12, Austin Wylie's Golden Pheasant orchestra; 6-7, Guy Lombardo and his Royal Canadians; 8-11, Willard symphony; 11-12, Austin Wylie's Golden Pheasant orchestra; 12-1, Guy Lombardo and his Royal Canadians.

WTIC, Hartford, Conn. (475.9), 11 a. m., talk, citizenship, Professor Sigmund Adler; 11:15, fashion talk; 11:30, WTIC's housewives' forum, Mrs. J. M. Dean; 12:05, luncheon music; 6:30, the children's entertainer, Mother Goose; 6:50, dinner concert; 9, popular period; 9:30, dance orchestra; 10:30-12, studio program for distant listeners.

WWJ, Detroit, Mich. (352.7), 9:30 a. m., tonight's dinner; special talk, woman's editor; 12:05 p. m., Jules Klein's Hotel Statler orchestra; 3, Detroit News orchestra; 6, dinner concert; 8, News orchestra and soloists.

Central Time Stations

CKY, Winnipeg, Can. (384.4), 8 p. m., University lecture; 9, French concert, M. Benoist, director; Yvonne Thibault; 11, weekly revue, Metropolitan theater.

KFAB, Lincoln, Nebr. (340.7), 8:30-10:30 p. m., Mono Motor Oil Cans; Belshaw's orchestra; Cow Bell boys; Gloomy Gus, entertainer; Mike Kopec, pianist; Ed Ellingson, original songbird.

KFKU, Lawrence, Kan. (275), 7 p. m., "The Work of the Old-Time Railway Locating Engineer," Prof. Frank A. Russell; 7:15, School of Fine Arts (Kansas University) string trio; Marjorie McKelvey, mezzo-soprano; 7:40, sport question box, Athletic Service bureau, John W. Bunn, director; 7:55, campus news.

KFKX, Hastings, Nebr. (288.3), 1 p. m., "Haying the Brood Sows—It's Good Practice"; Ramblers orchestra, Dick Rutherford, director; 5:30, KDKA dinner concert; 9, musical program, J. H. Riffe.

KFMQ, Fayetteville, Ark. (299.8), 7:30 p. m., Farmers' night; "Farm Filosofy," Cy Adams; "Fertilizer for Cotton," D J. Burleson; "Preparation of the Seed Bed," J. H. Heckman; "Use of Small Skins and Hides," Flora Ferrill; "Start the Year Right—Do Your Food Habits Need Changing?" Gertrude Conant; "Power on the Farm," W. B. Miser.

KFUO, St. Louis, Mo. (545.1), "The Young People and Their Companions," Prof. Walter A. Maier.

KFVE, University City, Mo. (240), 9:15 p. m., amusement review, Romaine Fielding; Orchestra Romaine.

KMA, Shenandoah, Iowa (252), 11:30-12:30 p. m., noonday rural program; talk, Earl E. May; travelog, G. H. Van Houten; musical saw, J. A. Showers; music; news; 6-7, Pollyana stories, Mrs. Nickols; news; music; 9-11, Farnham trio; How-Do-You-Do boys.

KMMJ, Clay Center, Nebr. (228.9), p. m., Old Trusty orchestra; 1:30, factory and office program.

KPRC, Houston, Tex. (296.9), 12 n., Frank Tilton, blind wonder pianist; 5:30 p. m., kiddies' hour, Uncle Judd; 7:30, Malon Gunn's Texas Ramblers; 8:30, Humble Oil & Refining company band.

KSAC, Manhattan, Kan. (340.7), 9-9:25 a. m., music, inspirational talks, agricultural primer, calisthenics; 9:55-10:25, readings, question box; today's meals; 12:35-1:05 p. m., readings, question box; "Germination and Reparation," H. R. Sumner; "Barley Diseases," D. R. Porter; 4:30-5, Third Year English literature, High School credit; 6:30-7:30, opportunity talks; book review, current events; extension credit course, sociology; "Industrial Production and Agricultural Prosperity," R. M. Green; "Insects Common to Sorghums and Their Control," J. W. McColloch.

KSD, St. Louis, Mo. (545.1), 7 p. m., Fur hour, Rader's instrumental quartet; 9, artist concert Mrs. John E. Stocker, soprano.

KSO, Clarinda, Iowa (241.8), 7-7:30 p. m., farm talks; 7:30-9, old-time music, Allen Blair, director.

KTHS, Hot Springs National Park, Ark. (374.8), 9-9:45 p. m., semi-classical hour, New Arlington orchestra; 9:45-10, old favorite ballads, Lawson Reid, organist; 10-12, Rainbo Gardens 555 serenaders.

KYW, Chicago, Ill. (536), 6:30-7 a. m., morning exercises, Paul A. Leonhardt; 7:30, morning family worship, Y. M. C. A; 11:15, talk, John C. Cutting; 11:35, table talk, Mrs. Anna J. Peterson, Peoples

FLORENCE AUSTRAL, CECILIA HAN

Index to Popular Concerts

Saturday, January 16

Eastern	Central	Mountain	Pacific
7:30 p. m.	6:30 p. m.	5:30 p. m.	4:30 p. m.
WFAA.			
8	7	6	5
WLS.			
9	8	7	6
WBBM, WEAF, WENR, WGBS, WLS, WMAQ, WNYC.			
10	9	8	7
KFAB, KPRC, WBBM, WENR, WGN, WLS, WMBB, WREO.			
11	10	9	8
KFVE KFWB, KNX, KTHS, WBBM, WMBB, WOK, WQJ, WRC.			
12	11	10	9
KNX KOIL, KPO, KPRC, WBBM, WLS, WOAW, WOK, WQJ.			
1 a. m.	12 m.	11	10
KFWB, WDAF, WBBM, WEBH, WENR, WOK, WQJ, WSAI.			
2	1 a. m.	12 m.	11
KNX, WBBM, WENR, WQJ.			

Sunday, January 17

Eastern	Central	Mountain	Pacific
9 p. m.	8 p. m.	7 p. m.	6 p. m.
WBBM.			
10	9	8	7
WBBM, WMBB.			
11	10	9	8
WMBB.			
12	11	10	9
KNX, KTHS.			
1 a. m.	12 m.	11 p. m.	10
KFWB, WBBM.			
2	1 a. m.	12 m.	11
KFWB.			

Monday, January 18

Eastern	Central	Mountain	Pacific
7 p. m.	6 p. m.	5 p. m.	4 p. m.
WBBM, WFAA, WOAW.			
8	7	6	5
WGBS.			
9	8	7	6
WCAU, WEAF, WGR, WKRC, WOK.			
10	9	8	7
KFAB, WGR, WKRC, WMCA, WOAW, WOK, WSOE.			
11	10	9	8
KFAB, KFVE, WOK.			
12 m.	11	10	9
KLX, KNX, KOIL, WHO, WOK.			
1 a. m.	12 m.	11	10
KFWB, KLX, WAHG, WDAF, WHT, WKRC, WOK.			
2 a. m.	1 a. m.	12 m.	11
KFWB.			

Tuesday, January 19

Eastern	Central	Mountain	Pacific
7 p. m.	6 p. m.	5 p. m.	4 p. m.
WMCA, WOAW.			
8	7	6	5
WBBM, WEAR.			
9	8	7	6
WBBM, WEAR, WBZ, WSB.			
10	9	8	7
WBBM, WMBB, WOAW.			
11 p. m.	10 p. m.	9 p. m.	8 p. m.
KFVE, KFWB, KNX, WBBM, WHT, WMBB, WOK, WQJ.			
12 m.	11	10	9
KNX, KOIL, KPO, WBBM, WFAA, WKRC, WMC, WOK, WQJ.			
1 a. m.	12 m.	11	10
KFWB, KNX, WFAA, WHT, WOAW, WOK, WQJ.			
2	1	12 m.	11
KFWB, WQJ.			

Wednesday, January 20

Eastern	Central	Mountain	Pacific
8 p. m.	7 p. m.	6 p. m.	5 p. m.
KFNF, WAHG, WEBJ, WEEI, WMCA.			
9	8	7	6
WBBM, WEBJ, WGCP, WNYC.			
10	9	8	7
KFAB, KPRC, WBBM, WGCP, WHO, WMBB.			
11	10	9	8
KFAB, KFVE, KGW, KPO, KWSC, KYW, WBBM, WHN, WMBB, WOK, WQJ.			
12 m.	11	10	9
KFWA, KFWB, KNX, KYW, WOK, WQJ, WSAI.			
1 a. m.	12 m.	11	10
KNX, KYW, WBBM, WHT, WOK, WQJ.			
2	1 a. m.	12 m.	11
KFWB, KNX, WBBM, WOK, WQJ.			

Thursday, January 21

Eastern	Central	Mountain	Pacific
8 p. m.	7 p. m.	6 p. m.	5 p. m.
WCAE, WEAF, WJAR, WMC, WOC, WSAI.			
9	8	7	6
WBBM, WHAD.			
10	9	8	7
KMA, WBBM, WEEI, WHAD, WHN, WMBB, WMC, WNYC, WOAW, WSOE.			
11	10	9	8
KHJ, KMA, KYW, WBBM, WMBB, WOK, WQJ.			
12 m.	11	10	9
KHJ, KTAB, KOIL, WBBM, WDAF, WEAA, WKRC, WOC, WOK, WQJ.			
1 a. m.	12 m.	11	10
KFWB, KHJ, WHT, WOK, WQJ.			
2	1 a. m.	12.m.	11
KNX, WQJ.			

Friday, January 22

Eastern	Central	Mountain	Pacific
8 p. m.	7 p. m.	6 p. m.	5 p. m.
WGCP, WJR.			
9	8	7	6
WBBM, WGR, WLS.			
10	9	8	7
KFAB, WBBM, WMC, WDAF, WHAD, WMBB, WOAW, WSOE.			
11	10	9	8
KFVE, KFWA, KHJ, KLX, KYW, WMBB, WOK, WQJ.			
12 m.	11	10	9
KFWB, KHJ, KNX, KOIL, WMC, WOK, WQJ.			
1 a. m.	12 m.	11	10
KFWB, KHJ, WDAF, WHT, WOK, WQJ.			
2	1 a. m.	12 m.	11
KNX, WQJ.			

The Atwater Kent artists to b
violinist, left, and Florence Aus
are well known both in New York
in the Straw" has lately been rev
the air as "Sweet Georgia Brow
orchestra, below, have become po
practice the barn da

Monday, January 18

Gas company; 12:05 p. m., concert; 1, luncheon concert, Congress hotel; 6, dinner musical, KDKA, 7:05, bedtime story, Walter Wilson.

WAMD, Minneapolis, Minn. (243.8), 12 m., Coilla Dare, contralto; Bee Lowell, accompanist; Grace Norman, soprano; Norvy Mulligan, pianist; 6:30, WAMD traffic squad, Earle Buell, recruiting officer; 7:05, talk; 7:10, Garrick theater symphony orchestra, Fred Heiseke, director; 7:20, classical program; William Erickson, tenor; Amy Hedburg, accompanist; Edna Weese, soprano; Isabelle Olson, violinist; Lila Logan, accompanist; 11, Skyrocket frolic, George Osborn's Hotel Radisson Skyrockets.

WBBM, Chicago, Ill. (226), 4-6 p. m., Valentino inn orchestra, artists; 6-7, Harold Anderson, piano-accordionist; WBBM string trio artists.

WCCO, Minneapolis-St. Paul, Minn. (416.4), 10:45 a. m., Betty Crocker; 12 n., Donaldson's orchestra; 2 p. m., woman's hour; 2:30, afternoon concert; 4, readers' club, Mrs. Walter Stevens; 5:30, children's hour; 6, talk, Benjamin Franklin; 6:30, Gordon Cooke ensemble; 8, University of Minnesota program; 9, classical program.

WDAF, Kansas City, Mo. (365.6), 10:45-11 a. m., Betty Crocker, home service talk; 6-7 p. m., Tell-Me-a-Story lady; dialect readings, C. M. Ragan; The Trianon ensemble; 8-9:30, "Iolanthe," Gilbert Sullivan opera, Marie Whitney, director; 11:45-1 a. m., Plantation players, Hotel Muehlenbach; selections, Ted Meyn; Wendell Hall, the "Red-Headed Music Maker."

WDOD, Chattanooga, Tenn. (256), 6:30-7 p. m., organ music, Tivoli theater; 7-8, Hotel Patten orchestra; 8:15, special features and program.

WFAA, Dallas, Tex. (475.9), 12:30-1 p. m., DeWitt McMurray in a medley of pathos, philosophy and fun; 4:30-5, Cyrus Bareis, cornetist; 6:30-7:30, Artie Collins and his orchestra; 8:30-9:30, Sears-Roebuck Agricultural Foundation program

WGN, Chicago, Ill. (302.8), 11-11:30 a. m., household hints; 11:30-12 n., fashion discussion; 12-12:40 p. m., public service period; 12:40-2:30, luncheon concert, Drake concert ensemble and Blackstone string quintet; 2:30-3, Lyon & Healy artists' series; 3-3:25, public service period; 3:25-3:30, "Port o' Missing Men"; 3:30-4:15, tea time music, Marshall Field's tea room orchestra; 4:30-5, organ recital, Edward Benedict; 5:30-5:57, Skeezix time; 6:30-7, dinner concert, Drake concert ensemble and Blackstone string quintet.

WGST, Atlanta, Ga. (270), 9-10 p. m., program, Georgia Tech glee club, Arthur Edge, Jr., president.

WHAD, Milwaukee, Wis. (275), 11 a. m., pianolog, Andy Heitel; 4 p. m., Trixy Ann Troy, ukulele; 6:15-7, Bill Benning's Milwaukee Athletic club orchestra; 8-10, Marquette university studio program.

WHAS, Louisville, Ky. (399.8), 1-2 p. m., Royal Peacock orchestra; 3-3:30, Mrs. Myrtle Fulks Zahn, Jr., organist; 4-5, musical selections, Harry C. Currie, director; editorials.

WHB, Kansas City, Mo. (365.6), 2-3 p. m., ladies' hour, Sweeney Radio trio; 7-8, Milo Finley trio; Sweeney Radio orchestra.

WHO, Des Moines, Iowa (526), 7:30-9 p. m., program, Dean Harvey, director; Simpson Conservatory of Music program, Indianola, Iowa; 11-12, Bankers Life Corn Sugar orchestra.

WHT, Chicago, Ill. (399.8), 10 a. m., Jean Sargent's program, woman's club; Borden health talk, Jelke Good Luck Girl; Helen Raub, pianist; John Clark, baritone; 10:45, Betty Crocker home service; 11, special studio features; 12 p. m., Al Carney's organ hour; 1, special studio program, Grayling's string trio; 6, classical program, Linner organ recital; Helen Raub, pianist; Grayling's string trio; Pat Barnes; Helen Axtel, soprano; John Clark, baritone; 7, Kitchen Klenzer Klassics.

WIBO, Chicago, Ill. (226), 10-11 a. m., shoppers' bureau, Grace Viall Gray; 2-4 p. m., Ted Fiorito, pianist; Dan Russo, violinist; Victor Young, violinist.

WLS, Chicago, Ill. (344.6), 12 m., WLS studio trio.

WLW, Cincinnati, Ohio (422.3), 7:30 a. m., exercises, William Stradtman, Y. M. C. A.; 8, morning devotions, auspices of Parkway Y. M. C. A.; 12:05 p. m., religious service, Rev. George H. Kase; 4, children's hour, pupils of Leo Stoffregen; 6:30, special theatrical feature; 7, dinner hour concert, Hotel Gibson, Robert Visconti, director; 7:30, Y. M. C. A. basketball question box; 7:40, Hotel Gibson concert; 8, the Cincinnati Times-Star program, William J. Kopp, director; 10, popular program, Cincinnati Post, Bill Schulther's orchestra.

WMAQ, Chicago, Ill. (447.5), 1 p. m., Radio farm school; 2, shut-in program; 4, mothers in council; 4:30, "Foibles of the Moment", Mrs. Graham Aldis; 4:40, Glenn Dillard Gunn school of music; 5, children's games, Glenn Adams; 5:15, Topsy-turvy time; 6, Chicago theater organ recital; 6:30, Hotel LaSalle orchestra; 6:40, family altar league.

WMC, Memphis, Tenn. (499.7), 8:30 p. m., Kathleen Graves.

WNAD, Norman, Okla. (254), 12:30 p. m., university girls quartet, Louise Aggers, first soprano; Emmalu Aggers, second soprano; Mary Corinne Woodard, first alto; Irene Croom, second alto; Mrs. R. H. Richards, accompanist; 12:50, "History of Oklahoma," Dr. E. E. Dale; 3:30, Sooners; 7:30, "The Driving Power of Thought," Dean W. W. Phelan; 7:40, "Why We Go to School," Dr. J. W. Scroggs; 10:30, Ramblers.

WOAI, San Antonio, Texas (394.5), 3 p. m., musical program.

WOAW, Omaha, Nebr. (526), 12:45 p. m., Randall's Royal Fontenelle orchestra; 6, classical; 6:15, popular song period; 6:40, insurance talk, Daniel D. Mackin; 6:50, Randall's Royal Fontenelle orchestra; 9, de luxe program.

WOC, Davenport, Iowa (483.6), 12:15-12:25 p. m., "Haying the Brood Sows; It's Good Practice," Prof. John M. Evvard; 3-3:30, home management schedule, Aunt Jane; 5:45-6, chimes.

WOS, Jefferson City, Mo. (440.9), 8 p. m., Missouri State Farmers' week, music, addresses.

WQJ, Chicago, Ill. (447.5), 11-12 m., "Baking Talk," Cleve Carney; "Colorado," Mrs. E. Tolman East; 3-4 p. m., "Table Setting and Etiquette," Helen H. Downing; "The Care of the Skin," Madame Huntington-ford.

WRR, Dallas, Texas (246), 12-1 p. m., Hartwell Jones, piano, ukulele, voice; Bill Davidson, singer; 5:15, bedtime story; 6-7, dinner hour concert, Jack Gardner and his orchestra; 8-9, artists' concert; directed by Emmet Peck, violinist; 11-12, novelty program, featuring Virgil Whitworth, xylophone and theatrical talent.

WSAI, Cincinnati, Ohio (326), 10-12 p. m., community program; symphony orchestra and soloists.

WSB, Atlanta, Ga. (428.3), 8 p. m., Biltmore salon orchestra; 10:45, entertainment.

WSM, Nashville, Tenn. (282.8), 6:30 p. m., concert, Beasley Smith and his orchestra, Andrew Jackson hotel; 7, bedtime story interlude; 8, Robert E. Lee, program; 10, program, Scottish Rite, I. Milton Cook, director.

WSUI, Iowa City, Iowa (483.6), 12:30 p. m., Harry Thatcher, Jr., pianist; "Consider School Costs," Dr. Harry Greene; 8, Mrs. Louise Gibbons Sueppel, pianist.

Mountain Time Stations

CFAC, Calgary, Canada (435.8), 8 p. m., studio program.

KFWA, Ogden, Utah (261), 4-5 p. m., organ recital, Paramount theater; 5-6, Radio dealers program.

KFXF, Colorado Springs, Colo. (250), 8:30 p. m., musical selections; 8:45-9, educational talk; 9-10:30, dance program, Warner Stone's Columbians.

KOA, Denver, Colo. (322.4), 12:15 p. m., Rialto theater musicale; 6:30, Brown Palace string orchestra; 7:30, sandman's hour, H. G. Knight; 8, Spanish lesson, Prof. Amanda Lopez Knecht; KOA orchestra; 9, studio players; 9:30, Ina Rains, dramatic soprano; Franklin Hornaday, tenor.

KOB, State College, N. M. (348.6), 7:30-8:30 p. m., "Suiting the Crop to the Soil," Prof. H. V. Jordan; "Dairying," Prof. O. C. Cunningham.

Pacific Time Stations

KFI, Los Angeles, Calif. (467), 5:30-6 p. m., Examiner matinee; 6, nightly doings; 6:15, KFI's Seeing California; 6:30, vest pocket program; 6:45, Radiotorial period; 7-8, Screen Artists' string quartet; 8-9, studio program; 9-10, program, Walter M. Murphy Motors company, with KPO; 10-11, Examiner hour.

KFON, Long Beach, Calif. (232.4), 4:30-5 p. m., amusement bulletin; 6-6:30, organ recital, Brayton's theater; 8-9, Press-Telegram program, presenting Community Service entertainment; 9-10, Ardys Anderson musical hour.

KFWB, Hollywood, Calif. (252), 5-6 p. m., children's hour, Big Brother of KFWB; 7-8, microphone brevities; 8-9, program, Globe Ice Cream and Weber Baking companies; 9-10, program, Starr Motor Car company; Million Dollar Four dance orchestra; Ashley sisters; 10-11, Warner Brothers frolic, direction Charlie Wellman.

KGO, Oakland, Calif (361.2), 10:40 a. m., classroom instruction; "Preparation of Booklets," Cora Boone; 3-4 p. m., interpretation of the classics, Wilda Wilson Church; Josephine Lind, soprano; Hazel Weimer, accompanist; Ralph L. Cavanagh, baritone; 5:30-6, Aunt Betty stories; 6-6:55, twilight concert, Wiley B. Allen company studio; 8, farm program; "Chats About New Books," Joseph Henry Jackson; "Better English," Wilda Wilson Church; "The Mother Who Worried, the Father Who Nagged, and the Children Who Wouldn't Be Good," Dr. Nash; "Income Tax," John L. Flynn.

KGW, Portland, Ore. (491.5), 7:15 a. m., physical culture exercises; 12:30-1 p. m., concert, Rose City trio; 6-7, dinner concert; 8-9, concert, Willys-Overland Pacific company; 9-10, concert.

KJR, Seattle, Wash. (384.4), 10:30-11:30 a. m., music, Cornish school; talk, "Weaving", Mrs. Christine Hauser; "Flashes of Fifth Avenue", Gladys G. Miller; 1-2:30, organ recital, Columbia theater; "What to Prepare for Tonight's Dinner," Bernice Redington; 6-6:30, what's doing at the theaters; 6:45-7, the box office, Seattle theaters' doings; 7-8:30, Sears Roebuck and company program, Aunt Bunny, the story lady; Mendelssohn trio; 8:30-10, studio program.

KMTR, Hollywood, Calif. (238), 5-6 p. m., home hour with Mammy Simmons, Walter Benson, Helen Frances Levy, Billy Henderson, Betty McKay; 7:15, Y. M. C. A. hour; 8-10, Turner orchestra, Loren Powell, director; Tom Mitchell, baritone; 10-11, Starr Piano company studio.

KNX, Hollywood, Calif. (336.9), 5-5:30 p. m., Sunny Jim's story; 5:30-6:15, Wurlitzer pipe organ studio; Town Tattler; 6:15, travel talk, W. F. Alder; 6:30-7, Atwater Kent concert orchestra; 7-7:30, Mutual Motors mirth contest; 7:30-8, program, Columbia Outfitting company; 8-9, program, L. W. Stockwell company; 9-10, program, Ward Heater company; 10-11, Goodrich Silvertown Cord dance orchestra; Lilyan May Challenger, contralto; 11-12 m., Ambassador hotel dance orchestra.

KOAC, Corvallis, Ore. (280.2), 6:50 p. m., musical selections; 7, agricultural question box; 7:10, "Cost of Range Cattle Production," E. L. Potter; 7:30, "Vegetable Varieties, Seeds and Plants," A. G. Bouquet; 7:45-8, "Oregon's Agricultural Situation," R. S. Besse.

KPO, San Francisco, Calif. (428.3), 7-7:30, 8 a. m., daily dozen exercises; 10:30, "Ye Towne Cryer"; 1-2, Rudy Seiger's Fairmont hotel orchestra; 2:30-3:30, matinee program; 5:15-6:15, children's hour stories by Big Brother; 6:30-6:40, "Ye Towne Cryer"; 6:40-7, Waldemar Lind and the States restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel orchestra; 8-9, Wurlitzer organ recital, Uda Waldrop; 9-10, program, for Walter M. Murphy Motor Car company from KFI; 10-11, Jack Coakley's Cabirians.

KTAB, Oakland, Calif. (240), 9-9:30 a. m., prayer service, Rev. E. L. Spaulding; 4-5 p. m., women's club notes; 8-10, Western States Life Insurance company.

KWSC, Pullman, Wash. (348.6), 7:30-9 p. m., string trio; Norma Sparlin, pianist; Evelyn Sparlin, violinist; Margaret McLeehlan; Kathro Aucutt, vocal solos; "Making Our Thinking Count," Dr. F. F. Nalder; "Contributions of Science to the Diary Industry," "Mechanical Refrigeration," E. V. Ellington; "Investments," Joseph Demmery; "Lines for Stout and Slender Women," Mary Olive Howey; readings, Audrey Savage.

Tuesday, January 19

Headliners Today

Eastern	Central	Mountain	Pacific
8:30 p. m.	7:30 p. m.	6:30 p. m.	5:30 p. m.
KDKA (309.1) Tamburitza orchestra.			
WHAS (399.8) Zoeller's Melodists.			
9	8	7	6
WCBD (344.6) Organ, mandolin and guitar band.			
WHB (365.6) Cowboy band.			
9:30	8:30	7:30	6:30
WJZ (454.3), WGY (379.5), WBZ (333.1), KDKA (309.1), KYW (535.4), WRC (468.5) Mass. Tech. dinner.			
11	10	9	8
KGO (361.2) Selections from opera, "Martha."			
12:45 a. m.	11:45	10:45	9:45
WDAF (365.6) Wendell Hall.			
12:59	11:59	10:59	9:59
KLDS (441) Midnight program.			
1	12 m.	11	10
KFI (467) Packard ballad hour.			
WOAW (526) Rialto Alarm.			

Tuesday, silent night for: CFCA, CHIC, CKNC, CKY, CNRC, CNRE, CNRM, CNRO, CNRW, CNRT, KFAU, KFKX, KFKU, KFMQ, KFUO, KFWA, KOA, KOAC, KOB, KUOM, KWSC, PWX, WAHG, WAMD, WBBR, WCAD, WCAP, WGCP, WGST, WHAD, WHAZ, WJAD, WJAZ, WKAF, WKAQ, WOI, WRVA, WSM, WSUI, WTAM, WTIC.

Eastern Time Stations

CKAC, Montreal, Can. (411), 7 p. m., talks with the kiddies; 7:15, Windsor hotel dinner hour; 8:15, special; 10:30, Windsor hotel dance program; hockey reports.

CNRA, Moncton, N. B. (291), 6:30 p. m., bedtime stories; 7, juvenile program, Professor C. M. Wright, director; 8, studio program, operatic selections; Mrs. Irvine Malcolm, Mrs. Harold N. Price, Mrs. R. L. Steeves, F. S. Wilkins, A. H. Lindsay, Frank Eliot and Walter Neal; 10, CNRA orchestra.

KDKA, Pittsburgh, Pa. (309.1), 7:15 a. m., 8, morning exercises; 12:20 p. m., "Personal Adjustment in the Family, Unseen Pitfalls that Confront Us," Roswell Johnson; 5:15, children's period, Daddy Winkum; 6:30, KDKA Little symphony orchestra; 8:15, "Psychology of Public Speaking," Wayland M. Parr; 8:30, Tamburitza orchestra; 11:35, concert, Grand theater.

WAHG, Richmond Hill, N. Y. (315.6), 12:03 p. m., musical program.

WBZ, Springfield, Mass. (333.1), 6:30 p. m., KDKA; 7:30, "The New Biography—the Realistic Treatment of Great Men," Prof. Robert Emmons Rogers; 8, hockey, Boston Bruins and Montreal; 9:30, dinner, M. I. T. associated clubs, WJZ, WRC, WGY, KDKA, KYW, KFKX.

WCAU, Philadelphia, Pa. (278), 7:30 p. m., N. Snellenburg concert; 8, building and loan talk; 8:10, Three Brothers; 8:25, theater digest, Abe Lischutz; 8:30, playlet; 9, Arlene R. Smith, soprano, Sarah Snyder, pianist; 9:30, Robert Frazer, blind gospel singer; 10, Harry Link, songs; 10:30, Billy Hayes and his Cathay Tea Garden dance orchestra.

WCX, Detroit, Mich. (516.9), 6 p. m., dinner concert, Book-Cadillac hotel; 10, the Red Apple club.

WEAF, New York, N. Y. (491.5), 6:45-7 and 7:20 a. m., Tower health exercises; 11-12, Henry Dart, pianist; motion picture forecast by Adele Woodard; board of

EN, KENT ARTISTS ON WEAF CHAIN

this Sunday are Cecilia Hansen, prano, right. These two musicians ner large American cities. "Turkey Radio and holds as high a place on umphrey Bate and his barn dance t WSM, Nashville. Tennessee fans ead of the Charleston.

education lecture; 4-5, Ruth Peter, soprano; John DeBueris, clarinet soloist; 6-12, dinner music, Rose room of Hotel Waldorf-Astoria; Warren Scofield, baritone; Blue Ribbon male quartet; The Gold Dust Twins; Eveready hour; auction bridge game; Rose Gorman and his orchestra, Monte Carlo, New York.

WEBJ, New York, N. Y. (272.6), 7 p. m., Barnett's orchestra; 7:45, Phillip Krumholtz, tenor; 8, "Railroad Talk," G. J. Geer; 8:15, Bella Goldenburg, pianist; 8:30, Al Ciccone's Harlem tea garden orchestra.

WFI, Philadelphia, Pa. (394.5), 1 p. m., tea room orchestra; 3, Pheonixville program; 6:30, Rotary club ladies' night; 8, Blue Ribbon male quartet; 8:30, Goldy and Dusty; 9, Eveready hour; 10, Radio auction bridge; 10:30, Vincent Lopez and his orchestra.

WGBS, New York, N. Y. (315.6), 10 a. m., timely talks; 10:10, Lorna Leeds, soprano; 10:20, household economy, Phoebe Cole; 10:30, Lorna Leeds, soprano; 10:40, reducing talk, Nestor Matson; 1:15-1:30, Astoria Collegians; 3:30, lecture recital, Mildred Howson Hartley; 3:40, piano lessons, A. G. Robyn; 6, Uncle Geebee; 7, Arrowhead inn concert orchestra; 8, Y. M. H. A. vocational forum; 9, Crystal Palace orchestra; 10:30, Arrowhead inn dance orchestra.

WGCP, New York, N. Y. (252), 12:30 p. m., race results; 3, Muriel Engel, pianist; 3:20, J. Vincent Moore, tenor; 3:30, Isabelle Henderson, soprano; 3:45, Charles Phillips, pianist; 4:10, 20th Century entertainers; 4:30, Ukulele Bob McDonald; 4:45, studio program; 7, Jonssen's orchestra; 8, health talk; 8:15, orchestra.

WGR, Buffalo, N. Y. (319), 2:30 p. m., WGR afternoon program; 6:30, Vincent Lopez Hotel Statler dance orchestra, Harold Gieser, director; 8, jointly with WEAF, Blue Ribbon male quartet, Gold Dust Twins, Eveready hour, auction bridge, Vincent Lopez and his Casa Lopez orchestra.

WGY, Schenectady, N. Y. (379.5), 2 p. m., music; address, "Psychology in Child Discipline," Mrs. W. L. Fodder; 2:30, organ recital, Stephen E. Boisclair, Albany, N. Y; 6:30, dinner program, Porter E. Potts' Hotel Van Curler orchestra; 7:30, address, "The Drama"; Prof. Raymond M. Herrick; 7:45, Marine band, WRC; 8:30, Edison hour, WJZ; 9:30, program, Alumni of Massachusetts Institute of technology; 11, Spencer Tupman's Hotel Mayflower orchestra, WRC.

WHAR, Atlantic City, N. J. (275), 2 p. m., Seaside hotel trio; 7:30, book review; 8, Seaside hotel trio; 11:15, organ recital.

WHN, New York, N. Y. (361.2), 12:30-1 p. m., organ recital; 2:15-3:15, vaudeville, Loew's State theater; 3:15-4:30, Lexington orchestra; 6:30, Everglades orchestra; 7, Vincent Lopez Iceland orchestra; 7:30, Will Oakland's Chatheau Shanley; 11, Ciro's orchestra; 11:30, Bob Murphy's orchestra; 12-12:30, Club Kentucky orchestra.

WIP, Philadelphia, Pa. (508.2), 6:45 a. m., setting-up exercises; 7, setting-up exercises; 10, menu talk, Mrs. Anna B. Scott; 1 p. m., organ recital; 3, Carolyn Schmininger, soprano, Elizabeth Gear, pianist, Babette Gerhab, contralto, Flora Ripka, accompanist; 6:05, Al Lentz and his Versatile entertainers; 7, Uncle Wip's bedtime stories; 8, Elliot Lester, dramatic critic; 8:15, "Shakespeare in Music," Ada Turner Kurtz Vocal studio; 9:15, piano recital, John A. Thoms; 10:05, Emo's weekly movie talk; 10:30, Pagoda cafe dance orchestra.

WKAR, East Lansing, Mich. (285.5), 7:15-7:30 p. m., "The Development of the Chick Embryo," F. W. Chamberlain; 7:30-7:45, "Michigan Certified and Accredited in Chicks," J. A. Hannah; 7:15-8, "The Farm Meat Supply," G. A. Brown.

WLIT, Philadelphia, Pa. (394.5), 11 a. m., organ recital; 12:02 p. m., daily almanac; organ recital from Stanley theater; Arcadia cafe concert orchestra; 2, Arcadia cafe concert orchestra; 7:30, Dream Daddy's bedtime stories; 7:30, play review, Allyn C. Saurer.

WNYC, New York, N. Y. (526), 7:10 p. m., the Canadians; 7:35, the Canadians; 8, studio concert; 9, string ensemble; 10, Harry Ash's orchestra; 10:35, Harry Ash's orchestra.

WOO, Philadelphia, Pa. (508.2), 11 a. m., organ recital; 12:02 p. m., Golden's crystal tea room orchestra; 4:45, organ recital; 7:30, Hotel Adelphia French room orchestra.

WOR, Newark, N. J. (405.2), 6:15 p. m., "Words Often Mispronounced"; 6:17, sports, Bill Wathey; 6:30, Jacques Jacobs Hotel Shelton ensemble; 6:45-7, Man in Moon stories.

WRC, Washington, D. C. (468.5), 10 a. m., women's hour; 12 n., George F. Ross, organist; 1 p. m., Hotel Washington orchestra; 6, Hotel Hamilton orchestra; 6:50, "Show Shopping," Leonard Hall; 7, Lee House trio; 7:15, Radio School of International Relations; 7:30, U. S. Marine band; 8:30, New York Edison hour, WJZ, WGY; 9:30, Massachusetts Institute of Technology dinner, WJZ, WGY, WBZ, KDKA, KYW; 10:30, W. Spencer Tupman and his Hotel Mayflower orchestra, WJZ, WGY; 11:30, Gertrude Smallwood, organist; 12 m., Meyer Dans le Paradis band.

WRVA, Richmond, Va. (256), 2 p. m., Governor Trinkle and Governor-elect Harry F. Byrd, speakers at laying of cornerstone of Virginia's World war memorial; 6, American Legion banquet; speakers; camp songs; camp quartets and soloists; special entertainment features; 8, U. S. Marine band; 11, Carry Me Back to Old Virginny.

WTAG, Worcester, Mass. (268), 10:30 a. m., musical selections; 10:45, talk, Rosebelle Jacobus; 12:05-2 p. m., WTAG orchestra; 7:45, "Physical Development of Young Men," Prof. Carpenter; 8-9, program; 9-10, Eveready hour; 10:30-11, Vincent Lopez and his orchestra.

WTAM, Cleveland, Ohio (389.4), 12:15-1:15 p. m., Guy Lombardo and his Royal Canadians; 6-7, Carl Rupp and his Hotel Hollenden orchestra.

WWJ, Detroit, Mich. (352.7), 9:30 a. m., tonight's dinner; special talk by the woman's editor; 12:05 p. m., Jules Klein's Hotel Statler orchestra; 3, Detroit News orchestra; 6, dinner concert; 8, concert from WEAF.

Central Time Stations

KFAB, Lincoln, Nebr. (340.7), 8:05-10:30 p. m., program, University of Nebraska.

KFKX, Hastings, Nebr. (288.3), 1 p. m., "Poultry Day—Ducks, Geese and Pigeons," A. G. Philips; orchestra; 5:30, KDKA dinner concert.

KFMQ, Fayetteville, Ark. (299.8), 3 p. m., musical program, pupils of Henry Towey.

KFVE, University City, Mo. (240), 9:15 p. m., amusement review; Paul and Jack Snyder; Orchestra Romaine.

KLDS, Independence, Mo. (441), 6:30 a. m., morning devotional service; 11:59, midnight program.

KMA, Shenandoah, Iowa (252), 11:30-12:30 p. m., noonday rural program; talk, Earl E. May; music; news; 6-7, May Flower trio; news; May's flower lady, Lina Ferguson; 9-11, May's mandolin musicians; talk, G. H. Van Houten.

KMMJ, Clay Center, Nebr. (228.9), p. m., local talent; 1:30, factory and office program.

KPRC, Houston, Tex. (296.9), 12 n., Majestic theater folks; 5:30 p. m., Uncle Judd; 7:30, Billie Mack's orchestra; 8:30, studio concert.

KSAC, Manhattan, Kan. (340.7), 9-9:25 a. m., music, inspirational talks, agricultural primer, calisthenics; 9:55-10:25, readings, question box; today's meals; 12:35-1:05 p. m., readings, question box; "Equipment for Brooding Chicks," D. J. Taylor; "Avian Infectious Bronchitis," Dr. J. W. Lumb; 4:30-5, program for women's clubs; 6:30-7:30, better speech, etiquette; extension credit courses; economics; "Use of Protein Supplements in Hog Rations," A. D. Weber; "Developing a Herd of Dairy Cattle," J. B. Fitch.

KSD, St. Louis, Mo. (545.1), 6:55 p. m., WEAF chain

KSO, Clarinda, Iowa (241.8), 7-7:30 p. m., farm talks; 7:30-9, Snappy Seven.

KTHS, Hot Springs National Park, Ark. (374.8), 9-9:30 p. m., Eastman hotel orchestra; 9:30-10:30, Meyer Davis orchestra; Clyde Foey, singer.

KYW, Chicago, Ill. (536), 6:30-7 a. m., morning exercises, Paul A. Leonhardt; 7:30, morning devotional worship, Y. M. C. A; 11:35, table talk, Mrs. Anna J. Peterson, Peoples Gas company; 12:05 p. m., concert; 1, luncheon concert, Congress hotel; 2:35-4, afternoon frolic; 6, dinner music, KDKA; 7:05, bedtime story, Walter Wilson; 7:33, speeches, American Farm Bureau federation; 8, musical program; 9, an hour of music; 10, evening at home program; 10:40, Coon-Sanders Original Nighthawks; 1 a. m., Insomnia club, Coon-Sanders Original Nighthawks.

WAMD, Minneapolis, Minn. (243.8), 12 m., organ recital, Garrick theater organ, Jack Malerick.

WBBM, Chicago, Ill. (226), 4-6 p. m., Valentino inn orchestra; artists; 8-9, Moulin Rouge orchestra; Phil Fleming, tenor; Jean St. Anne, French baritone; 9-10, Utilities Craftsman glee club; 10-12, Ziegler Sisters; Moulin Rouge orchestra; Claire Matthews.

WBCN, Chicago, Ill. (266), 10-10:30 a. m., Penny Wise, the shopper's ready helper; 7-8, Ballantine Electric company classical hour; Robert Sansome, cellist; Gordon A. Nelson, tenor; Ann Kelley, soprano; Pearl Fairchild, pianist; 10-12, jazz jamboree, Midway orchestra; Borden Brothers, harmony duo; Ed Dempsey, tenor; Niese and Nehr, banjo bimbos; Drexel quartet, vocal group; Marie Wright, soprano; Finney Briggs, column conductor "Crazy Quilt" column; Marquette banjo four, string quartet; Frank H. McDonald, Radio talk; 12-2 a. m., pirate ship.

WCBD, Zion, Ill. (344.6), 8 p. m., The Mixed quartet; organ, mandolin and guitar band and celestial bells, assisted by artists.

WCCO, Minneapolis-St. Paul, Minn. (416.4), 12 n., Dick Long's Dayton trio; 2 p. m., League of Women Voters; 2:30, Dick Long's trio; 3:05, "The World of Books," H. A. Bellows; 4, readers' club, Eleanor Poehler; 5:30, children's hour; 6:15, Dick Long's Nankin cafe orchestra; 7:30, WEAF: Gold Dust Twins, Eveready hour, bridge lesson.

WDAF, Kansas City, Mo. (365.6), 3:30-4:40 p. m., The Star's string orchestra; 6-7, Tell-Me-a-Story lady; address, Radio piano lesson, Maudellen Littlefield; music, the Trianon ensemble; 11:45-1 a. m., The Plantation players; Eddie Kuhn's Kansas City Athletic club orchestra; Wendell Hall, the "Red-Headed Music Maker."

WDOD, Chattanooga, Tenn. (256), 9-9:30 p. m., bridge games.

WEBH, Chicago, Ill. (370.2), 11:30-12 m., woman's half hour; 3-4, special features; 7, Oriole orchestra; Lydia Lochner, contralto; Kathryn Forbes, soprano; 9-10, Uptown theater; 11-11:15, Oriole orchestra; 11:15-12:30, news flashes, Herald and Examiner; Jack Penewell, Fred Palmiter, Howard Neumiller.

WEBW, Beloit, Wis. (268), 8 p. m., fortnightly concert hour; violin, vocal, piano and organ selections.

WENR, Chicago, Ill. (266), 6-7 p. m., dinner concert; Rauland-Lyric trio; double piano selections; 8-10, Frank Westphal and his All-American Pioneers; Loretta Giles, popular songs; American Hawaiian trio; Philip Millville, Al Tweed and Walter Peterson, harmonica and guitar duets.

WFAA, Dallas, Tex. (475.9), 12:30-1 p. m., Beaumont band, KFDM; 4:30-5, Cloyd Griswold, songs and ukulele; 6:30-7:30, Don Bestor's orchestra, dinner music; 8:30-9:30, Southern Methodist university faculty musicale; 11-12 m., Honey boys orchestra.

WGES, Oak Park, Ill. (250), 5-7 p. m., Lydia Werner, soprano; Miles Sullivan players, one-act playlet; Stenstrom sisters, vocal duo; Tiffin theater organ and orchestra; 8-9, Helen Frahm, soprano; Tiffin orchestra; 11-1 a. m., Serenaders orchestra; quartet; Remington Welch, organist; Sandy McTavish, Scotch comedian; Erwin Schmidt and his own song; Jack Goodwin, tenor.

WGN, Chicago, Ill. (302.8), 11-11:30 a. m., household

Index to Farmers' Programs

Farmer Dinner Concerts

Daily Except Sunday

CENTRAL TIME

KFNF, 12:15-1:35 p. m.
KMA, 12:30-1:30 p. m.
KSO, 12:30-1:30 p. m.
WLS, 12 noon.

Saturday, January 16

Eastern	Central	Mountain	Pacific
1:45 p. m.	12:45 p. m.	11:45 a. m.	10:45 a. m.

WOI (270) Soils, questions and answers.

8	7	6	5

KDKA (309.1) Farm program.

Sunday, January 17

Eastern	Central	Mountain	Pacific
3:30 p. m.	2:30 p. m.	1:30 p. m.	12:30 p. m.

WFAA (475.9) Sunday hour for farmers.

Monday, January 18

Eastern	Central	Mountain	Pacific
1:15 p. m.	12:15 p. m.	11:15 a. m.	10:15 a. m.

WOC (483.6) Haying the Brood Sows—It's Good Practice.

1:35	12:35	11:35	10:35

KSAC (340.7) Germination and Reparation. Barley Diseases.

1:45	12:45	11:45	10:45

WOI (270) Dairy Production.
WMAQ (447.5) Radio farm school.

2	1	12 n.	11

KFKX (288.3) Haying the Brood Sows—It's Good Practice.

8	7	6	5

KSAC (340.7) Industrial Production and Agricultural Prosperity. Insects Common to Sorghums, and Their Control.

7:15	6:15	5:15	4:15

WKAR (285.5) Farm school.

7:45	6:45	5:45	4:45

WSOE (246) Hog Raising.

8:30	7:30	6:30	5:30

KFMQ (299.8) Farmers' night. Cotton Fertilizer. Preparation of Seed Beds. Power on the Farm.
WMC (499.7) Talk.
WOI (270) Poultry Course.

9:05	8:05	7:05	6:05

KFAB (340.7) Agricultural talks.

10	9	8	7

KOAC (280.2) Agricultural question box. Cost of Range Cattle Production.

10:30	9:30	8:30	7:30

KOAC (280.2) Vegetable Varieties, Seeds and Plants. Oregon's Agricultural Situation.

Tuesday, January 19

Eastern	Central	Mountain	Pacific
11:30 a. m.	10:30 a. m.	9:30 a. m.	8:30 a. m.

KFAB (340.7) Poultry talks.

1:15 p. m.	12:15 p. m.	11:15	10:15

WOC (428.3) Ducks, Geese and Pigeons.

1:35	12:35	11:35	10:35

KSAC (340.7) Equipment for Brooding Chicks. Avian Infectious Bronchitis.

1:45	12:45	11:45	10:45

WMAQ (447.5) Radio farm school.
WOI (270) Animal Husbandry, questions and answers.

2	1	12 n.	11

KFKX (288.3) Ducks, Geese and Pigeons.

8	7	6 p. m.	5 p. m.

KSAC (340.7) Use of Protein Supplements in Hog Rations. Developing a Herd of Dairy Cattle.

7:15	6:15	5:15	4:15

WKAR (285.5) Animal Husbandry, Veterinary Medicine Course.

8	7	6	5

WOC (483.6) Feeding Plans Which Will Make Hogs Pay a Profit.

Wednesday, January 20

Eastern	Central	Mountain	Pacific
1 p. m.	12 n.	11 a. m.	10 a. m.

WOI (270) The Farmer's Hired Man.

1:15	12:15 p. m.	9:15	8:15

WOC (483.6) The Dairy Cow in Summer.

1:35	12:35	11:35	10:35

KSAC (340.7) Winter Horse Feeding. The Wily Coyote.

1:45	12:45	11:45	10:45

WMAQ (447.5) Radio farm school.
WOI (270) Poultry husbandry.

2	1	12 n.	11

KFKX (288.3) The Dairy Cow in Summer.

7:15	6:15	5:15 p. m.	4:15 p. m.

WKAR (285.5) Horticulture course.

9:05	8:05	7:05	6:05

KFAB (340.7) Agricultural talks.

Thursday, January 21

Eastern	Central	Mountain	Pacific
1:15 p. m.	12:15 p. m.	11:15 a. m.	10:15 a. m.

WOC (483.6) Legumes Like to Work—Inoculate Them and Give Them a Chance.
WOI (270) Better Farm Equipment week.

1:35	12:35	11:35	10:35

KSAC (340.7) More About Sweet Clover. Stream Control Measures.

1:45	12:45	11:45	10:45

WMAQ (447.5) Radio farm school.
WOI (270), Farm crops.

2	1	12 n.	11

KFKX (288.3) Legumes Like to Work—Inoculate Them and Give Them a Chance.

7:15	6:15	5:15 p. m.	4:15 p. m.

WKAR (285.5) Dairy Husbandry course.

8:30	7:30	6:30	5:30

WOI (270) Dairyman's short course.

9:30	8:30	7:30	6:30

KOA (322.4) Farm question box.

Friday, January 22

Eastern	Central	Mountain	Pacific
1:15 p. m.	12:15 p. m.	11:15 a. m.	10:15 a. m.

WOC (483.6) Special farm service day.

1:35	12:35	11:35	10:35

KSAC (340.7) Furnace Heating. Long vs. Short Cane Systems of Grape Pruning.

1:45	12:45	11:45	10:45

WOI (270) Agricultural Economics.

2	1	12 n.	11

KFKX (288.3) Special Farm Service Day.
WMAQ (447.5) Radio farm school.

7:15	6:15	5:15 p. m.	4:15 p. m.

WKAR (285.5) Farm Crops course.

Markets and Weather

Daily Except Sunday

Eastern	Central	Mountain	Pacific
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.

WFAA (475.9) markets.
WOAW (526) markets.

9:45	8:45	7:45	6:45

KDKA (309.1) livestock, grain.

10	9	8 p. m.	7 p. m.

WLS (345) livestock, markets, fruit.
WOS (440.9) hogs.

10:30	9:30	8:30	7:30

KFKX (288.3) livestock, fruit, vegetables, hogs.
KTCL (305.9) weather, sheep, quotations.
WFAA (475.9) markets.
WOI (270) Weather.

10:45	9:45	8:45	7:45

WCCO (475.9) markets.
WMC (499.7) weather, markets.

11	10	9	8

WBAP (475.9) markets, quotations.
WOS (440.9) weather, hogs.

11:15	10:15	9:15	8:15

WTAG (268) markets, weather.

11:30	10:30	9:30	8:30

KFKX (288.3) weather, fruit, vegetables.
WCCO (416.4) markets.
WEAR (389.4) markets, weather.

11:45	10:45	9:45	8:45

WAAW (384.4) Livestock, butter, eggs.

12 noon	11 a. m.	10 a. m.	9 a. m.

KDKA (309.1) weather, livestock, grain.
WBAP (475.9) weather, cattle, grain.
WEAR (389.4) markets, weather.
WHAD (275) weather, markets.
WLS (345) poultry, dairy, hogs, sheep.
WOS (440.9) livestock, poultry, eggs, grain.

12:30 p. m.	11:30 a. m.	10:30 a. m.	9:30 a. m.

KFKX (288.3) livestock, fruit, vegetables, dairy.
WEAR (384.4) markets, weather.
WFAA (475.9) markets.

1 p. m.	12 noon	11 a. m.	10 a. m.

WBAP (475.9) markets.
WHT (400) fruit, weather.
WOS (440.9) livestock, weather.

1:05	12:05	11:05	10:05

KMA (252) markets and weather.

1:30 p. m.	12:30 p. m.	11:30 a. m.	10:30 a. m.

KTHS (374.8) markets, weather.
WFAA (475.9) markets.
WOAW (526) markets.
WOI (270) Weather, livestock.

1:35 p. m.	12:35 p. m.	11:35 a. m.	10:35 a. m.

KPO (428.3) butter, eggs, cheese, poultry.

1:45 p. m.	12:45 p. m.	11:45 a. m.	10:45 a. m.

KOA (322.4) weather, roads, livestock, poultry.

2 p. m.	1 p. m.	12 noon	11 a. m.

WOC (484) weather, grain, livestock, dairy.
WOS (440.9) grain.

2:15	1:15	12:15	11:15

WAAW (384.4) Grain markets.

2:30 p. m.	1:30 p. m.	12:30 p. m.	11:30 a. m.

WCCO (416.4) markets, weather.
WFAA (475.9) markets.

3 p. m.	2 p. m.	1 p. m.	12 noon

WLS (345) livestock, grain, dairy, fruit, vegetables.
WOS (440.9) livestock, markets, grain.

3:30	2:30	1:30	12:30

WFAA (475.9 markets.
WMC (499.7) markets, weather.

3:50	2:50	1:50	12:50

WWJ (352.7) weather, markets.

4	3	2	1

KFKX (288.3) livestock, wool.
WCCO (416.4) markets.
WCX (517) stock and grain.

4:30	3:30	2:30	1:30

WEAR (389.4) markets, weather.
WFAA (475.9) markets.

5:50	4:50	3:50	2:50

WDAF (365.6) markets, weather, road reports.
WHAS (399.8) markets.

6	5	4	3

KFAU (278) markets, weather.

6:30	5:30	4:30	3:30

KSAC (340.7) markets.

6:45	5:45	4:45	3:45

WIP (508.2) livestock, markets.

6:50	5:50	4:50	3:50

WHAD (275) markets.

7:30	6:30	5:30	4:30

KMA (252) markets and weather.
KSAC (340.7) market review.

7:45	6:45	5:45	4:45

KFWA (261) market reports.

8	7	6	5

KFKX (288.3) markets.
KOA (322.4) sheep, markets, livestock, poultry.

9	8	7	6

WAAW (384.4) Marketgrams and talks.

11	10	9	8

WCCO (416.4) weather, grain.

FLORENCE AUSTRAL, CECILIA HANSEN, KENT ARTISTS ON WEAF CHAIN

Index to Popular Concerts

Saturday, January 16

Eastern	Central	Mountain	Pacific	Stations
7:30 p. m.	6:30 p. m.	5:30 p. m.	4:30 p. m.	WFAA.
8	7	6	5	WLS.
9	8	7	6	WBBM, WEAF, WENR, WGBS, WLS, WMAQ, WNYC.
10	9	8	7	KFAB, KPRC, WBBM, WENR, WON, WLS, WMBB, WREO.
11	10	9	8	KFVE, KFWB, KNX, KTHS, WBBM, WMBB, WOK, WQJ, WRC.
12	11	10	9	KNX, KOIL, KPO, KPRC, WBBM, WLS, WOAW, WOK, WQJ.
1 a. m.	12 m.	11	10	KFWB, WDAF, WBBM, WEBH, WENR, WOK, WQJ, WSAI.
2	1 a. m.	12 m.	11	KNX, WBBM, WENR, WQJ.

Sunday, January 17

Eastern	Central	Mountain	Pacific	Stations
9 p. m.	8 p. m.	7 p. m.	6 p. m.	WBBM.
10	9	8	7	WBBM, WMBB.
11	10	9	8	WMBB.
12	11	10	9	KNX, KTHS
1 a. m.	12 m.	11 p. m.	10	KFWB, WBBM.
2	1 a. m.	12 m.	11	KFWB.

Monday, January 18

Eastern	Central	Mountain	Pacific	Stations
7 p. m.	6 p. m.	5 p. m.	4 p. m.	WBBM, WFAA, WOAW.
8	7	6	5	WGBS.
9	8	7	6	WCAU, WEAF, WOR, WKRC, WOK.
10	9	8	7	KFAB, WGR, WKRC, WMCA, WOAW, WOK, WSOE.
11	10	9	8	KFAB, KFVE, WOK.
12 m.	11	10	9	KLX, KNX, KOIL, WHO, WOK.
1 a. m.	12 m.	11	10	KFWB, KLX, WAHG, WDAF, WHT, WKRC, WOK.
2 a. m.	1 a. m.	12 m.	11	KFWB.

Tuesday, January 19

Eastern	Central	Mountain	Pacific	Stations
7 p. m.	6 p. m.	5 p. m.	4 p. m.	WMCA, WOAW.
8	7	6	5	WBBM, WEAR.
9	8	7	6	WBBM, WEAR, WBZ, WSB.
10	9	8	7	WBBM, WMBB, WOAW.
11 p. m.	10 p. m.	9 p. m.	8 p. m.	KFVE, KFWB, KNX, WBBM, WHT, WMBB, WOK, WQJ.
12 m.	11	10	9	KNX, KOIL, KPO, WBBM, WFAA, WKRC, WMC, WOK, WQJ.
1 a. m.	12 m.	11	10	KFWB, KNX, WFAA, WHT, WOAW, WOK, WQJ.
2	1	12 m.	11	KFWB, WQJ.

Wednesday, January 20

Eastern	Central	Mountain	Pacific	Stations
8 p. m.	7 p. m.	6 p. m.	5 p. m.	KFNF, WAHG, WEBJ, WEEI, WMCA.
9	8	7	6	WBBM, WEBJ, WGCP, WNYC.
10	9	8	7	KFAB, KPRC, WBBM, WGCP, WHO, WMBB.
11	10	9	8	KFAB, KFVE, KGW, KPO, KWSC, KYW, WBBM, WHN, WMBB, WOK, WQJ.
12 m.	11	10	9	KFWA, KFWB, KNX, KYW, WOK, WQJ, WSAI.
1 a. m.	12 m.	11	10	KNX, KYW, WBBM, WHT, WOK, WQJ.
2	1 a. m.	12 m.	11	KFWB, KNX, WBBM, WOK, WQJ.

Thursday, January 21

Eastern	Central	Mountain	Pacific	Stations
8 p. m.	7 p. m.	6 p. m.	5 p. m.	WCAE, WEAF, WJAR, WMC, WOC, WSAI.
9	8	7	6	WBBM, WHAD.
10	9	8	7	KMA, WBBM, WEEI, WHAD, WHN, WMBB, WMC, WNYC, WOAW, WSOE.
11	10	9	8	KHJ, KMA, KYW, WBBM, WMBB, WOK, WQJ.
12 m.	11	10	9	KHJ, KTAB, KOIL, WBBM, WDAF, WEAA, WKRC, WOC, WOK, WQJ.
1 a. m.	12 m.	11	10	KFWB, KHJ, WHT, WOK, WQJ.
2	1 a. m.	12.m.	11	KNX, WQJ.

Friday, January 22

Eastern	Central	Mountain	Pacific	Stations
8 p. m.	7 p. m.	6 p. m.	5 p. m.	WGCP, WJR.
9	8	7	6	WBBM, WOR, WLS.
10	9	8	7	KFAB, WBBM, WMC, WDAF, WHAD, WMBB, WOAW, WSOE.
11	10	9	8	KFVE, KFWA, KHJ, KLX, KYW, WMBB, WOK, WQJ.
12 m.	11	10	9	KFWB, KHJ, KNX, KOIL, WMC, WOK, WQJ.
1 a. m.	12 m.	11	10	KFWB, KHJ, WDAF, WHT, WOK, WQJ.
2	1 a. m.	12 m.	11	KNX, WQJ.

The Atwater Kent artists to broadcast this Sunday are Cecilia Hansen, violinist, left, and Florence Austral, soprano, right. These two musicians are well known both in New York and other large American cities. "Turkey in the Straw" has lately been revived by radio and holds as high a place on the air as "Sweet Georgia Brown." Humphrey Bate and his barn dance orchestra, below, have become popular at WSM, Nashville. Tennessee fans practice the barn dance instead of the Charleston.

Monday, January 18

Gas company; 12:05 p. m., concert; 1, luncheon concert, Congress hotel; 6, dinner musical, KDKA, 7:05, bedtime story, Walter Wilson.

WAMD, Minneapolis, Minn (243.8), 12 m., Collia Dato, contralto; Bee Lovell, accompanist; Grace Norman, soprano; Nora Mulligan, pianist; 6:30, WAMD traffic squad, Earle Buell, recruiting officer; 7:05, talk; 7:10, Garrick theater symphony orchestra, Fred Helsekt, director; 7:20, classical program; William Erickson, tenor; Amy Hedburg, accompanist; Edna Weese, soprano; Isabelle Olson, violinist; Lila Logan, accompanist; 11, Skyrocket frolic, George Osborn's Hotel Radisson Skyrockets.

WBBM, Chicago, Ill. (226), 4-6 p. m., Valentino Inn orchestra; artists; 6-7, Harold Anderson, piano accordionist, WBBM string trio artists.

WCCO, Minneapolis-St. Paul, Minn. (416.4), 10:15 a. m., Betty Crocker; 12 n., Donaldson's orchestra; 2 p. m., women's hour; 2:30, afternoon concert; 4, readers' club, Mrs. Walter Stevens; 5:30, children's hour; 6, talk, Benjamin Franklin; 6:30, Gordon Cooke ensemble; 8, University of Minnesota program; 9, classical program.

WDAF, Kansas City, Mo. (365.6), 10:15-11 a. m., Betty Crocker, home service talk; 6-7 p. m., Tell Me a Story lady; dialect readings, C. M. Rugan; The Trianon ensemble; 8-9:30, "Iolanthe," Gilbert Sullivan opera, Marie Whitney, director; 11:45-1 a. m., Plantation players, Hotel Muehlebach; selections, Ted Meyn, Wendell Hall, the "Red Headed Music Maker."

WDOD, Chattanooga, Tenn. (256), 6-6:15 p. m., organ music, Tivoli theater; 7-8, Hotel Patten orchestra; 8:15, special features and program.

WFAA, Dallas, Tex. (475.9), 12:30-1 p. m., DeWitt McMurray in a medley of pathos, philosophy and fun; 3:30-5, Cyril Bayens, cornetist; 6:30-7:30, Artie Collins and his orchestra; 8:30-9:30, Sears Roebuck Agricultural Foundation program.

WGN, Chicago, Ill. (302.8), 11-11:30 a. m., household hints; 11:30-12 m., talk [illegible] discussion; 12-12:40 p. m., public service period; 12:40-2:30, luncheon concert, Drake concert ensemble and Blackstone string quintet; 2:30-[illegible], Lyon & Healy artists' series; 3:30-3:25, public service period; 3:25-3:30, "Port o' Missing Men"; 3:30-4:15, [illegible] time [illegible], Marshall Field tea room orchestra; [illegible] organ recital, Edward Benedict; 5:30-5:57, Skeezix time; 6:30-7, dinner concert, Drake concert ensemble and Blackstone string quintet.

WGST, Atlanta, Ga. (270), 9-10 p. m., program, Georgia Tech glee club, Arthur Edge, Jr., president.

WHAD, Milwaukee, Wis. (275), 11 a. m., pianolog, Andy Hertel; 1 p. m., Trixy Van Troy ukulele; 6:15-7, Bill Benning; Milwaukee Athletic club orchestra; 8-10, Marquette university studio program.

WHAS, Louisville, Ky. (399.8), 1-2 p. m., Royal Peacock orchestra; 4:30, Mrs. Myrtle Fulk, Zahn, Jr., organist; 7:30, musical selections, Harry C. Currie, director; editorial.

WHB, Kansas City, Mo. (365.6), 2-3 p. m., ladies' hour; Sweeney [illegible] trio; 7-8, Milo Finley trio; Sweeney Radio orchestra.

WHO, Des Moines, Iowa (526), 7:30-9 p. m., program, Dean Harvey, director; Simpson Conservatory of Music program, Indianola, Iowa; 11-12, Bankers Life Co. [illegible] orchestra.

WHT, Chicago, Ill. (399.8), 10 a. m., Jean Sargent program, woman's club; Borden health talk; Jelke Good Luck Girl; Helen Raub, pianist; John Clark, baritone; 10:45, Betty Crocker home service; 11, special studio features; 12 p. m., Al Carney organ hour; 1, special studio program, Grayling's string trio; [illegible], classical program, Linnet organ recital; Helen Raub, pianist; Grayling's string trio; Pat Barnes, Helen Axtel, soprano; John Clark, baritone; 7, Kitchen Klenzer Klub.

WIBO, Chicago, Ill. (226), 10-11 a. m., shoppers' bureau, Grace Viall Gray; 2-4 p. m., Ted Fiorito, pianist; Dan Russo, violinist; Victor Young, violinist.

WLS, Chicago, Ill. (344.6), 12 m., WLS studio trio.

WLW, Cincinnati, Ohio (422.3), 7:30 a. m., exercises, William Stradtman, Y. M. C. A.; 8, morning devotions, auspices of Parkway Y. M. C. A.; 12:05 p. m., religious service, Rev. George H. Kase; 4, children's hour, pupils of Leo Stoffregen; 6:30, special theatrical feature; 7, dinner hour concert, Hotel Gibson, Robert Visconti, director; 7:30, Y. M. C. A. basketball question box; 7:40, Hotel Gibson concert; 8, the Cincinnati Times-Star program, William J. Kopp, director; 10, popular program, Cincinnati Post, Bill Schulthei's orchestra.

WMAQ, Chicago, Ill. (447.5), 1 p. m., Radio farm school; 2, shut in program; 4, mothers in council; 4:30, "Foibles of the Moment", Mrs. Graham Mills; 4:40, Glenn Dillard Gunn school of music; 5, children's games, Glenn Adams; 5:15, Topsy-turvy time; 6, Chicago theater organ recital; 6:30, Hotel LaSalle orchestra; 6:40, family altar league.

WMC, Memphis, Tenn. (499.7), 8:30 p. m., Kathleen Graves.

WNAD, Norman, Okla. (254), 12:30 p. m., university girls quintet, Louise Aggers, first soprano, Lumalis Aggers, second soprano; Mary Corinne Woodard, first alto; Irene Croom, second alto; Mrs. R. H. Richards, accompanist; 12:50, "History of Oklahoma," Dr. E. E. Dale; 5:30, Sooners; 7:30, "The Driving Power of Thought," Dean W. W. Phelan; 7:40, "Why We Go to School," Dr. J. W. Scroggs; 10:30, Ramblers.

WOAI, San Antonio, Texas (394.5), 3 p. m., musical program.

WOAW, Omaha, Nebr. (526), 12:15 p. m., Randall's Royal Fontenelle orchestra; 6, classical; 6:15, popular song period; 6:40, insurance talk, Daniel D. Muckle; 6:50, Randall's Royal Fontenelle orchestra; 9, de luxe program.

WOC, Davenport, Iowa (483.6), 12:15-12:25 p. m., "Haying the Brood Sow, It's Good Practice," Prof. John M. Evvard; 3-3:30, home management schedule, Aunt Jane; 5:45-6, chimes.

WOS, Jefferson City, Mo. (440.9), 8 p. m., Missouri State Farmers' week, music, addresses.

WQJ, Chicago, Ill. (447.5), 11-12 m., "Baking Talk," Cleve Carney; "Colorado," Mrs. L. Tolman Fast; 3-4 p. m., "Table Setting and Etiquette," Helen H. Downing; "The Care of the Skin," Madame Huntingford.

WRR, Dallas, Texas (246), 12-1 p. m., Hartwell Jones piano, ukulele, voice; Bill Davidson, singer; 5:15, bedtime story; 6-7, dinner hour concert, Jack Gardner and his orchestra; 8-9, artists' concert, directed by Lionel Peck, violinist; 11-12, novelty program featuring Virgil Whitworth, xylophone and theatrical talent.

WSAI, Cincinnati, Ohio (326), 10-12 p. m., community program, symphony orchestra and soloists.

WSB, Atlanta, Ga. (428.3), 8 p. m., Biltmore salon orchestra; 10:45, entertainment.

WSM, Nashville, Tenn. (282.8), 6:30 p. m., concert, Beasley Smith and his orchestra, Andrew Jackson hotel; 7, bedtime story interlude; 8, Robert E. Lee program; 10, program, Scottish Rite, I. Milton Cook, director.

WSUI, Iowa City, Iowa (483.6), 12:30 p. m., Harry Thatcher, Jr., pianist, "Consider School Costs," Dr. Harry Greene; 8, Mrs. Louise Gibbons Sueppel, pianist.

Mountain Time Stations

CFAC, Calgary, Canada (435.8), 8 p. m., studio program.

KFWA, Ogden, Utah (261), 4-5 p. m., organ recital, Paramount theater; 5-6, Radio dealers program.

KFXF, Colorado Springs, Colo. (250), 8:30 p. m., musical selections; 8:45-9, educational talk; 9-10:30, dance program, Warner Stone's Columbians.

KOA, Denver, Colo. (322.4), 12:15 p. m., Rialto theater musicale; 6:30, Brown Palace string orchestra; 7:30, sandman's hour, H. G. Knight; 8, Spanish lesson, Prof. Amanda Lopez Knecht; KOA orchestra; 9, studio players; 9:30, Ina Rains, dramatic soprano; Franklin Hornaday, tenor.

KOB, State College, N. M. (348.6), 7:30-8:30 p. m., "Setting the Crop to the Soil," Prof. H. V. Jordan; "Dairying," Prof. O. C. Cunningham.

Pacific Time Stations

KFI, Los Angeles, Calif. (467), 5:30-6 p. m., Examiner matinee; 6, nightly doings; 6:15, KFI's Seeing California; 6:30, vest pocket program; 6:45, Radiotorial period; 7-8, Screen Artists' string quartet; 8-9, studio program; 9-10, program, Walter M. Murphy Motors company, with KPO; 10-11, Examiner hour.

KFON, Long Beach, Calif. (232.4), 4:30-5 p. m., amusement bulletin; 6-6:30, organ recital, Brayton's theater; 8-9, Press-Telegram program, presenting Community Service entertainment; 9-10, Ardys Anderson musical hour.

KFWB, Hollywood, Calif. (252), 5-6 p. m., children's hour, Big Brother of KFWB; 7-8, microphone brevities; 8-9, program, Globe Ice Cream and Weber Baking companies; 9-10, program, Starr Motor Car company; Million Dollar Four dance orchestra; Ashley sisters; 10-11, Warner Brothers frolic, direction Charlie Wellman.

KGO, Oakland, Calif (361.2), 10:40 a. m., classroom instruction, "Preparation of Booklets," Cora Boone; 3-4 p. m., interpretation of the classics, Wilda Wilson Church; Josephine Lind, soprano; Hazel Weimer, accompanist; Ralph L. Cavanagh, baritone; 5:30-6, Aunt Betty stories; 6-6:55, twilight concert, Wiley B. Allen company studio; 8, farm program; "Chats About New Books," Joseph Henry Jackson; "Better English," Wilda Wilson Church; "The Mother Who Worried, the Father Who Nagged, and the Children Who Wouldn't Be Good," Dr. Nash, "Income Tax," John L. Flynn.

KGW, Portland, Ore. (491.5), 7:15 a. m., physical culture exercises; 12:30-1 p. m., concert, Rose City trio; 6-7, dinner concert; 8-9, concert, Willys-Overland Pacific company; 9-10, concert.

KJR, Seattle, Wash. (384.4), 10:30-11:30 a. m., music, Cornish school; talk, "Weaving", Mrs. Christine Hauser; "Flashes of Fifth Avenue", Gladys G. Miller; 12:30, organ recital, Columbia theater; "What to Prepare for Tonight's Dinner," Bernice Redington; 6-6:30, what's doing at the theaters; 6:15-7, the box office, Seattle theaters' doings; 7-8:30, Sears Roebuck and company program, Aunt Bonny, the story lady; Mendelssohn trio; 8:30-10, studio program.

KMTR, Hollywood, Calif. (238), 5-6 p. m., home hour with Mammy Simmons, Walter Benson, Helen Frances Levy, Billy Henderson, Betty McKay; 7:15, Y. M. C. A. hour; 8-10, Turner orchestra, Lorne Powell, director; Tom Mitchell, baritone; 10-11, Starr Piano company studio.

KNX, Hollywood, Calif. (336.9), 5:30-6 p. m., Sunny Jim's [illegible]; 6:30-6:15, Wurlitzer pipe organ studio; Town Tattler; 6:15, travel talk, W. F. Alder; 6:30-7, Atwater Kent concert orchestra; 7-7:30, Mutual Motors [illegible] contest; 7-8, program, Columbia Outfitting company; 8-9, program, I. W. Stockwell company; 9-10, program, Ward Heater company; 10-11, Gwelish Silvertown Cord [illegible] orchestra; Lillian Mae Challenger, contralto; 11-12 m., Ambassador hotel dance orchestra.

KOAC, Corvallis, Ore. (280.2), 6:30 p. m., musical selections; 7, agricultural question box; 7:10, "Cost of Range Cattle Production," E. L. Potter; 7:30, "Vegetable Varieties, Seeds and Plants," A. G. Bouquet; 7:45-8, "Oregon's Agricultural Situation," R. S. Besse.

KPO, San Francisco, Calif. (428.3), 7-7:30, 8 a. m., daily dozen exercises; 10:30, "Ye Towne Cryer"; 1-2, Rudy Seiger's Fairmont hotel orchestra; 2:30-3:30, matinee program; 5:15-6:15, children's hour stories by Big Brother; 6:30-6:40, "Ye Towne Cryer"; 6:40-7, Waldemar Lind and the States restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel orchestra; 8-9, Wurlitzer organ recital, Earl Waldron; 9-10, program, Walter M. Murphy Motor Car company, from KFI; 10-11, Jack Coakley's Cabirians.

KTAB, Oakland, Calif (240), 9-9:30 a. m., prayer circle, Rev. E. L. Spaulding; 1-5 p. m., women's club notes; 8-10, Western States Life Insurance company.

KWSC, Pullman, Wash. (348.6), 7:30-9 p. m., string trio, Norma Sparlin, pianist; Evelyn Sparlin, violinist; Margaret McLeod, cellist; Katherine Aucutt, vocal solos; "Making Our Thinking Count," Dr. F. F. Nalder; "Contributions of Science to the Dairy Industry: Mechanical Refrigeration," E. V. Ellington; "Investments," Joseph Demmery; "Lines for Stout and Slender Women," Mary Olive Howey; readings, Audrey Savage.

Tuesday, January 19

Headliners Today

Eastern	Central	Mountain	Pacific	
8:30 p. m.	7:30 p. m.	6:30 p. m.	5:30 p. m.	KDKA (309.1) Tamburitza orchestra. WHAS (399.8) Zoeller's Melodists.
9	8	7	6	WCBD (344.6) Organ, mandolin and guitar band. WHB (365.6) Cowboy band
9:30	8:30	7:30	6:30	WJZ (454.3), WGY (379.5), WBZ (333.1), KDKA (309.1), KYW (535.4), WRC (468.5) Mass. Tech. dinner.
11	10	9	8	KGO (361.2) Selections from opera, "Martha."
12:45 a. m.	11:45	10:45	9:45	WDAF (365.6) Wendell Hall.
12:59	11:59	10:59	9:59	KLDS (441) Midnight program.
1	12 m.	11	10	KFI (467) Packard ballad hour. WOAW (526) Rialto Alarm.

Tuesday, silent night for: CFCA, CHIC, CKNC, CKY, CNRC, CNRE, CNRM, CNRO, CNRW, CNRT, KFAU, KFKX, KFKU, KFMQ, KFUO, KFWA, KOA, KOAC, KOB, KUOM, KWSC, PWX, WAHG, WAMD, WBBR, WCAD, WCAP, WGCP, WGST, WHAD, WHAZ, WJAD, WJAZ, WKAF, WKAQ, WOI, WRVA, WSM, WSUI, WTAM, WTIC.

Eastern Time Stations

CKAC, Montreal, Can. (411), 7 p. m., talks with the kiddies; 7:15, Windsor hotel dinner hour; 8:15, special; 10:30, Windsor hotel dance program; hockey reports.

CNRA, Moncton, N. B. (291), 6:30 p. m., bedtime stories; 7, juvenile program, Professor C. M. Wright, director; 8, studio program, operatic selections; Mrs. Irvine Malcolm, Mrs. Harold N. Price, Mrs. R. L. Steeve, F. S. Wilkins, A. H. Lindsay, Frank Elliot and Walter Neal; 10, CNRA orchestra.

KDKA, Pittsburgh, Pa. (309.1), 7:15 a. m., 8, morning exercises; 12:20 p. m., Personal Adjustment in the Family, Unseen Pitfalls that Confront Us," Roswell Johnson; 5:15, children's period, Daddy Winkum; 6:30, KDKA Little symphony orchestra; 8:15, "Psychology of Public Speaking," Wayland M. Parr; 8:30, Tamburitza orchestra, 11:15, concert, Grand theater.

WAHG, Richmond Hill, N. Y. (315.6), 12:03 p. m., musical program.

WBZ, Springfield, Mass. (333.1), 6:30 p. m., KDKA; 7:30, "The New Biography—the Realistic Treatment of Great Men," Prof. Robert Emmons Rogers; 8, hockey, Boston Bruins and Montreal; 9:30, dinner, M. I. T. associated clubs, WJZ, WRC, WGY, KDKA, KYW, KFKX.

WCAU, Philadelphia, Pa. (278), 7:30 p. m., N. Snellenburg concert; 8, building and loan talk; 8:10, Three Brothers; 8:25, booster digest, Abe Lischutz; 8:30, playlet; 9, Arlene R. Smith, soprano, Sarah Snyder, pianist; 9:30, Robert Frazer, blind gospel singer; 10, Harry Link, songs; 10:30, Billy Hayes and his Cathay Tea Garden dance orchestra.

WCX, Detroit, Mich. (516.9), 6 p. m., dinner concert, Book-Cadillac hotel; 10, the Red Apple club.

WEAF, New York, N. Y. (491.5), 6:45-7 and 7:20 a. m., Tower health exercises; 11-12, Henry Dart, pianist; motion picture forecast by Adele Woodard; board of education lecture; 4-5, Ruth Peter, soprano; John DeBueris, clarinet soloist; 6-12, dinner music, Rose room of Hotel Waldorf-Astoria; Warren Scofield, baritone; Blue Ribbon male quartet; The Gold Dust Twins; Eveready hour; auction bridge game; Rose Gorman and his orchestra, Monte Carlo, New York.

WEBJ, New York, N. Y. (272.6), 7 p. m., Barnett's orchestra; 7:45, Phillip Krumholtz, tenor; 8, "Railroad Talk," G. J. Geer; 8:15, Bella Goldenburg, pianist; 8:30, Al Cleeone's Harlem tea garden orchestra.

WFI, Philadelphia, Pa. (394.5), 1 p. m., tea room orchestra; 3, Phoenixville program; 6:30, Rotary club ladies' night; 8, Blue Ribbon male quartet; 8:30, Goldy and Dusty; 9, Eveready hour; 10, Radio auction bridge; 10:30, Vincent Lopez and his orchestra.

WGBS, New York, N. Y. (315.6), 10 a. m., timely talks; 10:10, Lorna Leeds, soprano; 10:20, household economy, Phoebe Cole; 10:30, Lorna Leeds, soprano; 10:40, reducing talk, Nestor Matson; 1:15-1:30, Astoria Collegians; 3:30, lecture recital, Mildred Howson Hartley; 3:40, piano lessons, A. G. Robyn; 6, Uncle Geebee; 7, Arrowhead Inn concert orchestra; 8, Y. M. H. A. vocational forum; 9, Crystal Palace orchestra; 10:30, Arrowhead Inn dance orchestra.

WGCP, New York, N. Y. (252), 12:30 p. m., race results; 3, Muriel Engel, pianist; 3:20, J. Vincent Moore, tenor; 3:30, Isabelle Henderson, soprano; 3:45, Charles Phillips, pianist; 4:10, 20th Century entertainers; 4:30, Ukulele Bob McDonald; 4:45, studio program; 7, Jonssen's orchestra; 8, health talk; 8:15, orchestra.

WGR, Buffalo, N. Y. (319), 2:30 p. m., WGR afternoon program; 6:30, Vincent Lopez Hotel Statler dance orchestra, Harold Gieser, director; 8, jointly with WEAF, Blue Ribbon male quartet, Gold Dust Twins, Eveready hour, auction bridge, Vincent Lopez and his Casa Lopez orchestra.

WGY, Schenectady, N. Y. (379.5), 2 p. m., music; address, "Psychology in Child Discipline," Mrs. W. L. Fodder; 2:30, organ recital, Stephen E. Boisclair, Albany, N. Y.; 6:30, dinner program, Porter E. Potts' Hotel Van Curler orchestra; 7:30, address, "The Drama"; Prof. Raymond M. Herrick; 7:45, Marine band, WRC; 8:30, Edison hour, WJZ; 9:30, program, Alumni of Massachusetts Institute of technology; 11, Spencer Tupman's Hotel Mayflower orchestra, WRC.

WHAR, Atlantic City, N. J. (275), 2 p. m., Seaside hotel trio; 7:30, book review; 8, Seaside hotel trio; 11:15, organ recital.

WHN, New York, N. Y. (361.2), 12:30-1 p. m., organ recital; 2:15-3:15, vaudeville, Loew's State theater; 5:15-1:30, Lexington orchestra; 6:30, Everglades orchestra; 7, Vincent Lopez Iceland orchestra; 7:30, Will Oakland's Chateau Shanley; 11, Ciro's orchestra; 11:30, Bob Murphy's orchestra; 12-12:30, Club Kentucky orchestra.

WIP, Philadelphia, Pa. (508.2), 6:45 a. m., setting-up exercises; 7, setting-up exercises; 10, menu talk, Mrs. Anna B. Scott; 1 p. m., organ recital; 3, Carolyn Schlamberger, soprano, Elizabeth Gear, pianist, Babette Gerson, contralto, Flora Ripka, accompanist; 6:05, Al Lentz and his Versatile entertainers; 7, Uncle Wip's bedtime stories; 8, Elliot Lester, dramatic critic; 8:15, "Shakespeare in Music," Ada Turner Kurtz, vocal studio; 9:15, piano recital, John A. Thomas; 10:05, Loew's weekly movie talk; 10:30, Pagoda cafe dance orchestra.

WKAR, East Lansing, Mich. (285.5), 7:15-7:30 p. m., "The Development of the Chick Embryo," F. W. Chamberlain; 7:30-7:45, "Michigan Certified and Accredited in Chicks," J. A. Hannah; 7:45-8, "The Farm Meat Supply," G. A. Brown.

WLIT, Philadelphia, Pa. (394.5), 11 a. m., organ recital; 12:02 p. m., daily almanac; organ recital from Stanley theater; Arcadia cafe concert orchestra; 2, Arcadia cafe concert orchestra; 7:30, Dream Daddy's bedtime stories; 7:30, play review, Allyn C. Saurer.

WNYC, New York, N. Y. (526), 7:10 p. m., the Canadians; 7:35, the Canadians; 8, studio concert; 9, string ensemble; 10, Harry Ash's orchestra; 10:35, Harry Ash's orchestra.

WOO, Philadelphia, Pa. (508.2), 11 a. m., organ recital; 12:02 p. m., Golden's crystal tea room orchestra; 4:45, organ recital; 7:30, Hotel Adelphia French room orchestra.

WOR, Newark, N. J. (405.2), 6:15 p. m., "Words Often Mispronounced"; 6:17, sports, Bill Wathey; 6:30, Jacques Jacobs Hotel Shelton ensemble; 6:45-7, Man in Moon stories.

WRC, Washington, D. C. (468.5), 10 a. m., women's hour; 12 n., George F. Ross, organist; 1 p. m., Hotel Washington orchestra; 6, Hotel Hamilton orchestra; 6:50, "Show Shopping," Leonard Hall; 7, Lee House trio; 7:15, Radio School of International Relations; 7:30, U. S. Marine band; 8:30, New York Edison hour, WJZ, WGY; 9:30, Massachusetts Institute of Technology, dinner, WJZ, WGY, WBZ, KDKA, KYW; 10:30, W. Spencer Tupman and his Hotel Mayflower orchestra, WJZ, WGY; 11:30, Gertrude Smallwood, organist; 12 m., Meyer Davis le Paradis band.

WRVA, Richmond, Va. (256), 2 p. m., Governor Trinkle and Governor-elect Harry F. Byrd, speakers at laying of cornerstone of Virginia's World war memorial; 6, American Legion banquet; speakers; camp songs; camp quartets and soloists; special entertainment features; 8, U. S. Marine band; 11, Carry Me Back to Old Virginny.

WTAG, Worcester, Mass. (268), 10:30 a. m., musical selections; 10:45, talk, Roschelle Jacobus; 12:05-2 p. m., WTAG orchestra; 7:45, "Physical Development of Young Men," Prof. Carpenter; 8-9, program; 9-10, Eveready hour; 10:30-11, Vincent Lopez and his orchestra.

WTAM, Cleveland, Ohio (389.4), 12:15-1:15 p. m., Guy Lombardo and his Royal Canadians; 6-7, Carl Rupp and his Hotel Hollenden orchestra.

WWJ, Detroit, Mich. (352.7), 9:30 a. m., tonight's dinner; special talk by the woman's editor; 12:05 p. m., Jules Klein's Hotel Statler orchestra; 3, Detroit News orchestra; 6, dinner concert; 8, concert from WEAF.

Central Time Stations

KFAB, Lincoln, Nebr. (340.7), 8:05-10:30 p. m., program, University of Nebraska.

KFKX, Hastings, Nebr. (288.3), 1 p. m., "Poultry Day—Ducks, Geese and Pigeons," A. G. Philips; orchestra; 5:30, KDKA dinner concert.

KFMQ, Fayetteville, Ark. (299.8), 8 p. m., musical program, pupils of Henry Tovey.

KFVE, University City, Mo. (240), 9:15 p. m., amusement review; Paul and Jack Snyder; Orchestra Romaine.

KLDS, Independence, Mo. (441), 6:30 a. m., morning devotional service; 11:59, midnight program.

KMA, Shenandoah, Iowa (252), 11:30-12:30 p. m., noonday rural program; talk, Earl E. May; music; news; 6-7, May Flower trio; news; May's flower lady, Lina Ferguson; 9-11, May's mandolin musicians; talk, G. H. Van Houten.

KMMJ, Clay Center, Nebr. (228.9), p. m., local talent; 1:30, factory and office program.

KPRC, Houston, Tex. (296.9), 12 n., Majestic theater folks; 5:30 p. m., Uncle Judd; 7:30, Billie Mack's orchestra; 8:30, studio concert.

KSAC, Manhattan, Kan. (340.7), 9-9:25 a. m., music, inspirational talks, agricultural primer, calisthenics; 9:55-10:25, readings, question box; today's meals; 12:35-1:05 p. m., readings, question box; "Equipment for Brooding Chicks," D. J. Taylor; "Avian Infectious Bronchitis," Dr. J. W. Lumb; 1:30-5, program for women's clubs; 6:30-7:30, better speech, etiquette; extension credit courses; economics; "Use of Protein Supplements in Hog Rations," A. D. Weber; "Developing a Herd of Dairy Cattle," J. B. Fitch.

KSD, St. Louis, Mo. (545.1), 6:55 p. m., WEAF chain.

KSO, Clarinda, Iowa (241.8), 7-7:30 p. m., farm talks; 7:30-9, Snappy Seven.

KTHS, Hot Springs National Park, Ark. (374.8), 9-9:30 p. m., Eastman hotel orchestra; 9:30-10:30, Meyer Davis orchestra; Clyde Foey, singer.

KYW, Chicago, Ill. (536), 6:30-7 a. m., morning exercises, Paul A. Leonhardt; 7:30, morning devotional worship, Y. M. C. A.; 11:35, table talk, Mrs. Anna J. Peterson, Peoples Gas company; 12:05 p. m., concert; 1, luncheon concert, Congress hotel; 2:35-4, afternoon frolic; 6, dinner music, KDKA; 7:05, bedtime story, Walter Wilson; 7:33, speeches, American Farm Bureau federation; 8, musical program; 9, an hour of music; 10, evening at home program; 10:10, Coon-Sanders Original Nighthawks; 1 a. m., Insomnia club, Coon-Sanders Original Nighthawks.

WAMD, Minneapolis, Minn. (243.8), 12 m., organ recital, Garrick theater organ, Jack Malerick.

WBBM, Chicago, Ill. (226), 4-6 p. m., Valentino Inn orchestra; artists; 8-9, Moulin Rouge orchestra; Phil Fleming, tenor; Jean St. Anne, French baritone; 9-10, Utilities Craftsman glee club; 10-12, Ziegler Sisters; Moulin Rouge orchestra, Claire Matthews.

WBCN, Chicago, Ill. (266), 10-10:30 a. m., Penny Wise, the shopper's ready helper; 7-8, Ballantine Electric company classical hour; Robert Sansome, cellist; Gordon A. Nelson, tenor; Ann Kelley, soprano; Pearl Fairchild, pianist; 10-12, jazz jamboree, Midway orchestra, Borden Brothers, harmony duo; Ed Dempsey, tenor; Niese and Nehr, banjo bimbos; Drexel quartet, vocal group; Marie Wright, soprano; Finney Briggs, column conductor "Crazy Quilt" column; Marquette banjo four, string quartet; Frank H. McDonald, Radio talk; 12-2 a. m., pirate ship.

WCBD, Zion, Ill. (344.6), 8 p. m., The Mixed quartet; organ, mandolin and guitar band and celestial bells, assisted by artists.

WCCO, Minneapolis-St. Paul, Minn. (416.4), 12 n., Dick Long's Dayton trio; 2 p. m., League of Women Voters; 2:30, Dick Long's trio; 3:05, "The World of Books," H. A. Bellows; 4, readers' club, Eleanor Poehler; 5:30, children's hour; 6:15, Dick Long's Nankin cafe orchestra; 7:30, WEAF, Gold Dust Twins, Eveready hour, bridge lesson.

WDAF, Kansas City, Mo. (365.6), 3:30-4:10 p. m., The Star's string orchestra; 6-7, Tell-Me-a-Story lady, address, Radio piano lesson, Maudellen Littlefield, music, the Trianon ensemble; 11:45-1 a. m., The Plantation players; Eddie Kuhn's Kansas City Athletic club orchestra; Wendell Hall, the "Red-Headed Music Maker."

WDOD, Chattanooga, Tenn. (256), 9-9:30 p. m., bridge games.

WEBH, Chicago, Ill. (370.2), 11:30-12 m., woman's half hour; 3-4, special features; 7, Oriole orchestra; Lydia Lochner, contralto; Kathryn Forbes, soprano; 9-10, Uptown theater, 11-11:15, Oriole orchestra; 11:15-12:30, news flashes, Herald and Examiner; Jack Penewell, Fred Palmiter, Howard Neumiller.

WEBW, Beloit, Wis. (268), 8 p. m., fortnightly concert hour; violin, vocal, piano and organ selections.

WENR, Chicago, Ill. (266), 6-7 p. m., dinner concert; Ravinia-Lyric trio; double piano selections; 8-10, Frank Westphal and his All-American Pioneers; Loretta Giles, popular songs; American Hawaiian trio; Philip Millitle, Al Tweed and Walter Peterson, harmonica and guitar duets.

WFAA, Dallas, Tex. (475.9), 12:30-1 p. m., Beaumont band, KFDM; 4:30-5, Cloyd Griswold, songs and ukulele; 6:30-7:30, Don Bestor's orchestra, dinner music; 8:30-9:30, Southern Methodist university faculty musicale; 11-12 m., Honey boys orchestra.

WGES, Oak Park, Ill. (250), 5-7 p. m., Lydia Werner, soprano; Miles Sullivan players, one-act playlet; Stenstrom sisters, vocal duo; Tiffin theater organ and orchestra; 8-9, Helen Frahm, soprano, Tiffin orchestra; 11-1 a. m., Serenaders orchestra; quartet; Remington Welch, organist, Sandy McTavish, Scotch comedian; Erwin Schmidt and his own song; Jack Goodwin, tenor.

WGN, Chicago, Ill. (302.8), 11-11:30 a. m., household

DANCING
Central Time

Saturday, January 16: 8, Wjr, Wnyc, Wpg; 8:30, Wbbm; 8:35, Wgy; 9, Webh, Weei, Wmbb, Wnyc; 9:10, Kths, Wip; 9:30, Kths, Wgbs, Wor; 10, Kfve, Kfwa, Kpo, Weaf, Wgn, Wkrc, Wmca, Wnyc, Wqj, Wreo, Wtam; 9:05, Wcco; 10:30, [illegible]; 10:45, Wis, Kfug, Kfwa, Kfwb, Webh, Wfaa, Wgbu, Woc; 11:30, Kfoa, Wdaf; 12, Kfwa, Kgw, Knx.

Monday, January 18: [illegible]

Tuesday, January 19: [illegible]

Wednesday, January 20: [illegible]

Thursday, January 21: [illegible]

Friday, January 22: [illegible]

Index to Farmers' Programs

Farmer Dinner Concerts
Daily Except Sunday

CENTRAL TIME
KFNF, 12:15-1:35 p. m.
KMA, 12:30-1:30 p. m.
KSO, 12:30-1:30 p. m.
WLS, 12 noon.

Saturday, January 16

Eastern	Central	Mountain	Pacific	
1:45 p. m.	12:45 p. m.	11:45 a. m.	10:45 a. m.	WOI (270) Soils, questions and answers.
8	7	6	5	KDKA (309.1) Farm program.

Sunday, January 17

Eastern	Central	Mountain	Pacific	
3:30 p. m.	2:30 p. m.	1:30 p. m.	12:30 p. m.	WFAA (475.9) Sunday hour for farmers.

Monday, January 18

Eastern	Central	Mountain	Pacific	
1:15 p. m.	12:15 p. m.	11:15 a. m.	10:15 a. m.	WOC (483.6) Haying the Brood Sows—It's Good Practice
1:35	12:35	11:35	10:35	KSAC (340.7) Germination and Reparation. Barley Diseases.
1:45	12:45	11:45	10:45	WOI (270) Dairy Production. WMAQ (447.5) Radio farm school.
2	1	12 n.	11	KFKX (288.3) Haying the Brood Sows—It's Good Practice.
8	7	6	5	KSAC (340.7) Industrial Production and Agricultural Prosperity. Insects Common to Sorghums, and Their Control.
7:15	6:15	5:15	4:15	WKAR (285.5) Farm school
7:45	6:45	5:45	4:45	WSOE (246) Hog Raising.
8:30	7:30	6:30	5:30	KFMQ (299.8) Farmers' night. Cotton Fertilizer. Preparation of Seed Beds. Power on the Farm. WMC (499.7) Talk. WOI (270) Poultry Course.
9:05	8:05	7:05	6:05	KFAB (340.7) Agricultural talks.
10	9	8	7	KOAC (280.2) Agricultural question box. Cost of Range Cattle Production
10:30	9:30	8:30	7:30	KOAC (280.2) Vegetable Varieties, Seeds and Plants. Oregon's Agricultural Situation.

Tuesday, January 19

Eastern	Central	Mountain	Pacific	
11:30 a. m.	10:30 a. m.	9:30 a. m.	8:30 a. m.	KFAB (340.7) Poultry talks
1:15 p. m.	12:15 p. m.	11:15	10:15	WOC (483.6) Ducks, Geese and Pigeons.
1:35	12:35	11:35	10:35	KSAC (340.7) Equipment for Brooding Chicks. Avian Infectious Bronchitis.
1:45	12:45	11:45	10:45	WMAQ (447.5) Radio farm school. WOI (270) Animal Husbandry, questions and answers.
2	1	12 n.	11	KFKX (288.3) Ducks, Geese and Pigeons.
8	7	6 p. m.	5 p. m.	KSAC (340.7) Use of Protein Supplements in Hog Rations. Developing a Herd of Dairy Cattle.
7:15	6:15	5:15	4:15	WKAR (285.5) Animal Husbandry, Veterinary Medicine Course.
8	7	6	5	WOC (483.6) Feeding Plans Which Will Make Hogs Pay a Profit.

Wednesday, January 20

Eastern	Central	Mountain	Pacific	
1 p. m.	12 n.	11 a. m.	10 a. m.	WOI (270) The Farmer's Hired Man.
1:15	12:15 p. m.	9:15	8:15	WOC (483.6) The Dairy Cow in Summer.
1:35	12:35	11:35	10:35	KSAC (340.7) Winter Horse Feeding. The Wily Coyote
1:45	12:45	11:45	10:45	WMAQ (447.5) Radio farm school. WOI (270) Poultry husbandry
2	1	12 n.	11	KFKX (288.3) The Dairy Cow in Summer.
7:15	6:15	5:15 p. m.	4:15 p. m.	WKAR (285.5) Horticulture course.
9:05	8:05	7:05	6:05	KFAB (340.7) Agricultural talks

Thursday, January 21

Eastern	Central	Mountain	Pacific	
1:15 p. m.	12:15 p. m.	11:15 a. m.	10:15 a. m.	WOC (483.6) Legumes Like to Work—Inoculate Them and Give Them a Chance. WOI (270) Better Farm Equipment week
1:35	12:35	11:35	10:35	KSAC (340.7) More About Sweet Clover. Stream Control Measures
1:45	12:45	11:45	10:45	WMAQ (447.5) Radio farm school. WOI (270) Farm crops
2	1	12 n.	11	KFKX (288.3) Legumes Like to Work—Inoculate Them and Give Them a Chance
7:15	6:15	5:15 p. m.	4:15 p. m.	WKAR (285.5) Dairy Husbandry course.
8:30	7:30	6:30	5:30	WOI (270) Dairyman's short course.
9:30	8:30	7:30	6:30	KOA (322.4) Farm question box.

Friday, January 22

Eastern	Central	Mountain	Pacific	
1:15 p. m.	12:15 p. m.	11:15 a. m.	10:15 a. m.	WOC (483.6) Special farm service day.
1:35	12:35	11:35	10:35	KSAC (340.7) Furnace Heating. Long vs Short Cane Systems of Grape Pruning.
1:45	12:45	11:45	10:45	WOI (270) Agricultural Economics.
2	1	12 n.	11	KFKX (288.3) Special Farm Service Day. WMAQ (447.5) Radio farm school.
7:15	6:15	5:15 p. m.	4:15 p. m.	WKAR (285.5) Farm Crops course.

Markets and Weather
Daily Except Sunday

Eastern	Central	Mountain	Pacific	
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.	WFAA (475.9) markets. WOAW (526) markets.
9:45	8:45	7:45	6:45	KDKA (309.1) livestock, grain.
10	9	8 p. m.	7 p. m.	WLS (345) livestock, markets, fruit. WOS (440.9) hogs.
10:30	9:30	8:30	7:30	KFKX (288.3) livestock, fruit, vegetables, hogs. KTCL (305.9) weather, sheep, quotations. WFAA (475.9) markets. WOI (270) Weather.
10:45	9:45	8:45	7:45	WCCO (475.9) markets. WMC (499.7) weather, markets.
11	10	9	8	WBAP (475.9) markets, quotations. WOS (440.9) weather, hogs.
11:15	10:15	9:15	8:15	WTAG (268) markets, weather.
11:30	10:30	9:30	8:30	KFKX (288.3) weather, fruit, vegetables. WCCO (416.4) markets. WEAR (389.4) markets, weather.
11:45	10:45	9:45	8:45	WAAW (384.4) Livestock, butter, eggs.
12 noon	11 a. m.	10 a. m.	9 a. m.	KDKA (309.1) weather, livestock, grain. WBAP (475.9) weather, cattle, grain. WEAR (389.4) markets, weather. WHAD (275) weather, markets. WLS (345) poultry, dairy, hogs, sheep. WOS (440.9) livestock, poultry, eggs, grain.
12:30 p. m.	11:30 a. m.	10:30 a. m.	9:30 a. m.	KFKX (288.3) livestock, fruit, vegetables, dairy. WEAR (389.4) markets, weather. WFAA (475.9) markets.
1 p. m.	12 noon	11 a. m.	10 a. m.	WBAP (475.9) markets. WHT (400) fruit, weather. WOS (440.9) livestock, weather.
1:05	12:05	11:05	10:05	KMA (252) markets and weather.
1:30 p. m.	12:30 p. m.	11:30 a. m.	10:30 a. m.	KTHS (374.8) markets, weather. WFAA (475.9) markets. WOAW (526) markets. WOI (270) Weather, livestock.
1:35 p. m.	12:35 p. m.	11:35 a. m.	10:35 a. m.	KPO (428.3) butter, eggs, cheese, poultry.
1:45 p. m.	12:45 p. m.	11:45 a. m.	10:45 a. m.	KOA (322.4) weather, roads, livestock, poultry.
2 p. m.	1 p. m.	12 noon	11 a. m.	WOC (483.6) weather, grain, livestock, dairy. WOS (440.9) grain.
2:15	1:15	12:15	11:15	WAAW (384.4) Grain markets.
2:30 p. m.	1:30 p. m.	12:30 p. m.	11:30 a. m.	WCCO (416.4) markets, weather. WFAA (475.9) markets.
3 p. m.	2 p. m.	1 p. m.	12 noon	WLS (345) livestock, grain, dairy, fruit, vegetables. WOS (440.9) livestock, markets, grain.
3:30	2:30	1:30	12:30	WFAA (475.9) markets. WMC (499.7) markets, weather.
3:50	2:50	1:50	12:50	WWJ (352.7) weather, markets.
4	3	2	1	KFKX (288.3) livestock, wool. WCCO (416.4) markets. WCX (517) stock and grain.
4:30	3:30	2:30	1:30	WEAR (389.4) markets, weather. WFAA (475.9) markets.
5:50	4:50	3:50	2:50	WDAF (365.6) markets, weather, road reports. WHAS (399.8) markets.
6	5	4	3	KFAU (278) markets, weather.
6:30	5:30	4:30	3:30	KSAC (340.7) markets.
6:45	5:45	4:45	3:45	WIP (508.2) livestock, markets.
6:50	5:50	4:50	3:50	WHAD (275) markets.
7:30	6:30	5:30	4:30	KMA (252) markets and weather. KSAC (340.7) market review.
7:45	6:45	5:45	4:45	KFWA (261) market reports.
8	7	6	5	KFKX (288.3) markets. KOA (322.4) sheep, markets, livestock, poultry.
9	8	7	6	WAAW (384.4) Marketgrams and talks.
11	10	9	8	WCCO (416.4) weather, grain.

OKLAHOMA COWBOY BAND FROM WHB

Tuesday, January 19

Here is the young lady who made G. C. Arnoux of KTHS, Hot Springs National Park, desert the bachelors. Mrs. Natalie Arnoux gave her most recent recital Friday evening, January 15.

hints; 11:30-12 n., fashion discussion; 12-12:40 p. m., public service period; 12:40-2:30, luncheon concert, Drake concert ensemble and Blackstone string quintet; 2:30-3, Lyon & Healy artists' series; 3-3:30, public service period and "Port o' Missing Men"; 3:30-4:15, tea time music, Marshall Field's tea room orchestra; 4:30-5, organ recital, Edward Benedict; 5:30-5:57, Skeezix time; 6:30-7, dinner concert, Drake concert ensemble and Blackstone string quintet; 8-9, Eveready program, WEAF; 9-10, Ford program, WEAR; 10-11, amateur hour.

WHAD, Milwaukee, Wis. (275), 11 a. m., pianolog, Andy Hertel; "Getting the First Thousand," Carl Skinrood; 4 p. m., musical numbers; 6:15-7, Bill Benning's Milwaukee Athletic club orchestra.

WHAS, Louisville, Ky. (399.8), 12-1 p. m., Trinity Methodist church; 1-2, Benson trio; 2:45-3, news; 3-3:30, Mrs. Myrtle Fulks Zahn, Jr., organist; 4-5, musical selections, Harry S. Currie; editorials; 7:30-9, Carl Zoeller's Melodists.

WHB, Kansas City, Mo. (365.6), 7-7:30 p. m., Morrell Moore; 8-9:30, Cowboy band.

WHO, Des Moines, Iowa (526), 7:30-8 p. m., Raleigh quintet; 8-9, Bankers Life trio, Helen Birmingham, director; 11-12, Bankers Life Little Symphonic orchestra.

WHT, Chicago, Ill. (399.8), 10 a. m., Jean Sargent's program, woman's club; Borden health talk; Jelke Good Luck Girl; studio music; 11, special studio features, Magnus musical lecture; 12 noon, Al Carney's complimentary organ recital; 1 p.m., special studio program; 6, classical program; dinner organ recital; Grayling's string trio; Eleanor Gilmour, soprano; Oscar Heather, tenor; Loftus half hour of music; Alois Bragagnolo, basso; 7:45-9:15 (238), musical features; 9:30 (399.8), Jelke's entertainers; Kitchen Klenzer Klassics; Kenneth Clark's Hawaiian trio; Al Carney, organist; Husk O'Hare's orchestra; 10:10, U. S. L. half hour dance music.

WIBO, Chicago, Ill. (226), 10-11 a. m., shoppers' bureau; 2-4 p. m., shut-in program; 6-8, dinner concert, popular American ballads, Walter Preston; WIBO trio; Bernice Taylor, soprano; Ruth Buhl Flick, reader; 12 m.-2 a. m., jamboree.

WLIB, Chicago, Ill. (302.8), 7-7:30 p. m., dinner concert; 7:30-8, Gold Dust Twins, WEAF; 11-12, popular program; 12-1, dance program.

WLS, Chicago, Ill. (344.6), 12 m., Ford and Glenn; 6:30 p. m., Ralph Emerson, organist; 7, lullaby time; 7:15-7:55, musical concert.

WLW, Cincinnati, Ohio (422.3), 7:30 a. m., exercises, William Stradtman, Y. M. C. A.; 8, morning devotions, auspices of Parkway Y. M. C. A.; 12:05 p. m., organ concert, Petronella Trimbur; 12:30, Hotel Gibson, Robert Visconti, director; 4, talk, Ralph Schmidt; 4:10, French lesson, Mme. Ida Tcimpidis; 7, musical appreciation series, Cincinnati Conservatory of Music, Mrs. Etelka Evans; 7:15, talk, John W. Lewis; 7:20, Crosley popular science series, Dr. Hobart Hoskins, University of Cincinnati; 7:30, piano memories, Mary Louise Woseczek; 7:50, talks on dogs, T. W. Price of Sunbeam farm, Strong Heart Kennels, New Brunswick, N. J.; 8, Crosley Burnt Corkers; 8:45, musical handshakes, Bob Groenke and Jim Mischler; 8:55, talk, Robert W. Pogue, president of the Retail Merchants association; 9, concert program, under auspices of the Formica Insulation company, William C. Stoess, director; 10, Mrs Jessie Adler, speaker, assistant prosecutor of Hamilton county; 10:05, popular dance program from Castle Farm.

WMAQ, Chicago, Ill. (447.5), 12:45, Radio farm school; 2, shut-in program; 4:45, Columbia school of music; 6, Chicago theater organ recital; 6:30, Hotel LaSalle orchestra; 8, Harry Hansen book talk; 8:20, travel talk, Clara Laughlin; 9, lecture, University of Chicago; 9:20, thrift program, Illinois Federation of Women's clubs; 9:55, University of Chicago chimes.

WMBB, Chicago, Ill. (250), 7-8 p. m., Trianon concert artists; Genevieve Barry Burnham, Eleanor Kaplan, Preston Graves and artists; talk on finance; 9-11, Trianon orchestra, Dell Lampe, director; Woodlawn theater orchestra, Armin F. Hand; Babbe and Barr, Glen Wells, Bob Bennett, Joe Morrison, Clyde Hager, popular program.

WMC, Memphis, Tenn. (499.7), 8:30 p. m., anniversary program; 11, Britlings novelty orchestra.

WNAD, Norman, Okla. (254), 12:30 p. m., Ernest Sharpe, baritone; Helen Rubin, violin; 12:50, "History of Oklahoma," Dr. E. E. Dale; 3:30, O. U. troubadours; 7:20, relation of automotive transportation to the railroad problem, Dr. Floyd L. Vaughan; 7:30, "Sources of Power," Dr. Charles N. Gould; 10:30, Boomers.

WOAI, San Antonio, Texas (394.5), 8:30-9:30 p. m., musical program, Gebhardt Mexican players.

WOAW, Omaha, Neb. (526), 12:45 p. m., Jaffy's string orchestra; 6, classical; 6:50, Jaffy's string quintet; 9, de luxe program; 10:10, Radio review, Neal Jones; 10:30, Herb Feierman and his Omadala orchestra; 12, midnite Rialto alarm.

WOC, Davenport, Iowa (483.6), 12:15-12:25 p. m., "Ducks, Geese and Pigeons," Prof. A. G. Philips; 3-3:30, home management, Aunt Jane; 6:30-6:50, sandman's stories; 7-7:10, "Feeding Plans Which Will Make Hogs Pay a Profit," R. E. Patrick; 7:30-8, Gold Dust Twins, WEAF; 8-9, Eveready hour, WEAF; 9-9:30, auction bridge; 9:30-10:15, "Around the World," Dr. B. J. Palmer; 10:15-11:15, Mrs. R. M. Harper, soprano; Louis Crowder, pianist; Emil Hass, reader.

WOK, Chicago, Ill. (217.3), 4:30-7 p. m., Capitol theater organ; Tearney's Town Club Twilight Dansant; studio program; 10-1:30, Tearney's Town club orchestra; Carl LaRine's Pershing Palace orchestra; Husk O'Hare's Cocoanut Grove orchestra; Capitol theater program; studio program.

WOQ, Kansas City, Mo. (278), 8-9 p. m., devotional musical program.

WOS, Jefferson City, Mo. (440.9), 8 p. m., Missouri State Farmers' week, music, addresses.

WQJ, Chicago, Ill. (447.5), 11-12 m., "The New Colors for Spring," Mrs. Lillian Russell; Marie K. Johnson; 3-4 p. m., "First Courses for Dinner," Helen H. Downing; "Psychology as Applied to Children," Donald F. Abel; 7-8, Rainbo Gardens orchestra; Fontella trio; Everett G. Mitchell, baritone; 10-1, Rainbo Skylarks; Jerry Sullivan; Rose Vanderbosch, soprano; Hal Lansing; Merrill Carder; Ila Shannabrook, soprano; Mary Wade, soprano; Dave Kapp, Romo Vincent, boy baritone; 1-2, Ginger hour.

WRR, Dallas, Texas (246), 12-1 p. m., program, Mrs. J. C. Nagle and assisting artists; Mrs. B. M. Grimes, pianist; Virgil Whitworth, xylophone soloist; 5:15, bedtime story; 6-7, dinner hour concert, Jack Gardner's orchestra; 8-9, program, studio of Montgomery, photographer.

WSAI, Cincinnati, Ohio (326), 5:30 p. m., twilight musicale; 7, Mabley and Carew orchestra, Reuben Lawson, director; 8, Eveready Hour of music, WEAF; 9-9:30, Radio auction bridge, WEAF; 9:30, musical program, WSAI; Austin Brothers, Hawaiian guitars; 12, Hotel Sinton orchestra.

WSB, Atlanta, Ga. (428.3), 8 p. m., Lyon and King deluxe concert; 10:45, Metropolitan theater artists.

WSUI, Iowa City, Iowa (483.6), 12:30 p. m., Jeanette Rothschild, soprano; "Development of Musical Talent," Dean Carl E. Seashore.

Mountain Time Stations

CFAC, Calgary, Canada (435.8), 8 p. m., ladies concert trio, Gladys Webb Foster, director.

CNRR, Regina, Can. (476), 8 p. m., bedtime story; Regina Rover Scout band.

KFWA, Ogden, Utah (261), 4-5 p. m., organ recital, Paramount theater; 5-6, Radio dealers program.

KFXF, Colorado Springs, Colo. (250), 8:30-10 p. m., Freeman Dust Absorber musical program.

KOA, Denver, Colo. (322.4), 12:15 p. m., Rialto theater musicale; 3:15, relaxing and corrective exercises, Mrs. Ruth Drumm; 3:30, Frances Staunton, contralto; Mrs. S. C. Oliver, accompanist; Otis B. Thayer, reader; 4, culinary hints, Mrs. Clara Hoover; 4:15, Sally Dee, fashion review; 6:30, Brown Palace string orchestra; 7:30, farm box.

Pacific Time Stations

KFI, Los Angeles, Calif. (467), 5:30-6 p. m., Examiner matinee; 6, nightly doings; 6:15, KFI's Seeing California; 6:30, vest pocket program; 6:45, Radiotorial period; 7-8, studio program; 8-9, Examiner hour; 9-10, Owen Fallen's Californians dance orchestra; 10-11, Packard ballad hour with Dick Barton, Charlie Cole, Polly and Billy Hall, and others.

KFON, Long Beach, Calif. (232.4), 4:30-5 p. m., amusement bulletin; 6-6:30, organ recital, Brayton's theater; 8-9, Press-Telegram program, arranged by William Conrad Mills; 9-11, Long Beach Aero club Hi-Jinks.

KFWB, Hollywood, Calif. (252), 5-6 p. m., Children's hour, Big Brother of KFWB; 7, health talk, Dr. W. I. Schuster; 7:15, microphone brevities; 8-9, program, MacDonald-Dodson Tire company; 9-10, Joe Martin's Famous Studio Six dance orchestra; 10-11, Warner Brothers frolic, direction Charlie Wellman.

KGO, Oakland, Calif. (361.2), 4-5:30 p. m., concert orchestra, Hotel St. Francis; 5:30, "As a Woman Thinketh," Louise Landis; 6-6:55, twilight concert; 8-9, Eveready hour, selections from "Martha," Elsa Behlow Trautner, soprano; Carolyn Crew Hill, soprano; Margaret Lloyd, soprano; Ruth Waterman, contralto; Annabelle Jones Rose, contralto; Gwynfi, tenor; Albert Gillette, bass-baritone; Mischa Gluschkin orchestra; 9-9:30, Ricketty-Racketty-Radio minstrels; 9:30, bridge; 10-11, Girvin-Deuel's California Collegians.

KGW, Portland, Ore. (491.5), 12:30-1:30 p. m., concert, Rose City trio; 6-7, dinner concert; 7:45-8, talk; 8-10, educational program; auction bridge lessons; style talk; McElroy quartet; 10-12, dance music; solo, Curt Kremer, pianist.

KHJ, Los Angeles, Calif. (405.2), 6-6:30 p. m., Leighton's Arcade cafeteria orchestra, Jack Cronshaw, leader; 6:30-7:30, history story, Prof. Hertzog; weekly visit of Queen Titania, Sandman and the Radio fairies; Lenore Killian, contralto; Charles Leslie Hill, readings; 8-10, de luxe program; 10-11, Don Clark's Biltmore hotel dance orchestra.

KJR, Seattle, Wash. (384.4), 10:30-11:30 a. m., Puget Sound Savings and Loan association musical program, Jessie Emmerick; talk, "Why some people are always in debt and the remedy", Inez Meyring; 1-2:30, organ recital, Columbia theater; "What to prepare for tonight's dinner", Bernice Redington; 6-6:30, what's doing at the theaters; 6:45-7, the box office, Seattle theaters' doings; 7-8:30, Frederick, and Nelson, bedtime stories; musical program, Cornish school; artistic ensemble, Peter Mereblum, violin; Kola Levienne, cello; Mme. Berthe Poncy Dow, pianist; 8:30-10, Puget Sound Savings and Loan association orchestra, Henry Damski, director; 10-12, Henry Halstead's victor recording orchestra.

KMTR, Hollywood, Calif. (238), 5-6 p. m., citizenship hour with Mammy Simmons, Boy Scouts and Campfire Girls; 6-7, Starr Piano company studio; 7:30, "Diamond Mines of Central Africa," E. P. Barclay; 8-10, The Turner orchestra, Loren Powell, directing.

KNX, Hollywood, Calif. (336.9), 5-5:30 p. m., Sunny Jim's talk; 5:30-6:15, Wurlitzer pipe organ studio; Town Tattler; 6:15, travel talk, W. F. Alder; 6:30-7, Atwater Kent concert orchestra; 7-7:45, program, Cavalier Shoe stores; 7:45, health talk, Dr. Robt. T. Williams; 8-10, KNX feature program; 10-12, movie night at the Ambassador; Ray West's Cocoanut Grove dance orchestra.

KOAC, Corvallis, Ore. (280.2), 3:45-4:30, special homemakers' program.

KPO, San Francisco, Calif. (428.3), 7-7:30, 8 a. m., daily dozen exercises; 10, talk on domestic science by Virginia Tappan; 10:30, "Ye Towne Cryer"; 1-2, Rudy Seiger's Fairmont hotel orchestra; 2:30-3:30, matinee program; 3:30-4:30, Cyrus Trobbe's Palace hotel concert orchestra; 5:15-6:15, children's hour stories, Big Brother; 6:30, "Ye Town Cryer"; 6:40, Waldemar Lind and the States Restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel orchestra; 8-9, program, featuring instrumental and vocal selections; 9-10, program, featuring the Mona Motor Oil trio and Gypsy and Marta, close harmony team; 10-11, Waldemar Lind and the States restaurant orchestra.

KPSN, Pasadena, Calif. (315.6), 8-9 p. m., Adolf Tandler instrumental group.

KTAB, Oakland, Calif. (240), 9-9:30 a. m., prayer service, Rev. G. W. Phillips; 8-10, studio program.

Index to Classical Concerts

Saturday, January 16

Eastern	Central	Mountain	Pacific	Stations
6 p. m.	5 p. m.	4 p. m.	3 p. m.	WCX, WEAF, WMCA, WREO.
7	6	5	4	KGO, KYW, WEAR, WENR, WMAQ, WNYC, WOAW, WOK, WRC.
8	7	6	5	KDKA, KFNF, KOIL, KSD, KYW, WBBR, WGN, WMBB, WNYC, WOAW, WQJ.
9	8	7	6	KFOA, KPRC, KHJ, KYW, WHAS, WIP, WLW, WORD, WSAI, WSOE
10	9	8	7	KNX, KYW, WEAF, WMAQ, WMC, WOAW, WOC, WORD.
11	10	9	8	KGO.
12 m	11	10	9	WOAW.

Sunday, January 17

Eastern	Central	Mountain	Pacific	Stations
6 p. m.	5 p. m.	4 p. m.	3 p. m.	WCAU.
7:20	6:20	5:20	4:20	WCAE, WCAU, WEAF, WEAR, WEEI, WJAR, WTAG, WWJ.
8	7	6	5	KYW, WBZ, WEAR, WGBS, WGCP, WKAQ, WLS, WORD.
9	8	7	6	KFDM, KPRC, KSD, WBZ, WCAU, WCBD, WCCO, WEAR, WGY, WHAR, WHT, WNYC, WQJ.
9:15	8:15	7:15	6:15	WEEI, WJAR, WTAG.
10	9	8	7	KHJ, KNX, KTHS, KYW, WCCO, WFAA, WNYC, WOC, WQJ, WSOE.
11	10	9	8	KFVE, KHJ, KNX, KPO, KTHS, KYW, WHN, WKRC, WOC.
12 m	11	10	9	KHJ, KNX, WOC.
1 a. m.	12 m	11	10	KNX.

Monday, January 18

Eastern	Central	Mountain	Pacific	Stations
6 p. m.	5 p. m.	4 p. m.	3 p. m.	KGO, WCX, WEAF, WMCA, WREO, WWJ.
7	6	5	4	KMA, WCCO, WEAF, WEAR, WHAD, WJR, WOAW, WOK.
8	7	6	5	KFNF, KSD, WBBR, WBZ, WCAU, WCX, WHAR, WHT, WJAR, WLW, WMBB, WTAG, WTIC.
9	8	7	6	KFOA, KGO, KHJ, KPRC, WBBR, WCCO, WBZ, WCAE, WEEI, WHAD, WHO, WJAR, WLW, WORD, WOS.
10	9	8	7	KMA, KPO, KPRC, KSD, KTHS, WCCO, WEAF, WHAD, WJAR, WOAW, WSUI, WTAG.
11	10	9	8	KGW, KHJ, KMA, KSD, KTHS, KWSC, WHN, WSAI.
12 m	11	10	9	KGW, WBAP, WSAI.
1 a. m.	12 m	11	10	KHJ.

Tuesday, January 19

Eastern	Central	Mountain	Pacific	Stations
6 p. m.	5 p. m.	4 p. m.	3 p. m.	WBZ, WCX, WEAF, WMCA, WREO, WWJ.
7	6	5	4	KGO, KMA, WEAR, WEBJ, WGBS, WHAD, WJR, WMAQ, WOAW, WOK, WOR, WTIC, WWJ.
8	7	6	5	KFNF, KSD, KYW, WBZ, WCAE, WCAU, WCX, WEAR, WEEI, WGR, WHAR, WHT, WLS, WMBB, WQJ, WRC, WTIC.
9 p. m.	8 p. m.	7 p. m.	6 p. m.	KFDM, KFOA, KGO, KHJ, KLDS, KYW, WCAE, WCBD, WCCO, WEAF, WEEI, WGR, WHAS, WJAR, WLW, WMAQ, WOC, WORD, WTAG.
10	9	8	7	KFAB, KFDM, KFMQ, KMA, KNX, KPRC, KTHS, WCAE, WCCO, WEAF, WEAR, WEEI, WLW, WMCA, WOC, WSAI, WSOE, WTAG.
11	10	9	8	KGO, KHJ, KMA, KYW, WSAI.
12 m	11	10	9	KPO, KYW, WHO, WMC.

Wednesday, January 20

Eastern	Central	Mountain	Pacific	Stations
6 p. m.	5 p. m.	4 p. m.	3 p. m.	WCX, WEAF, WMCA, WREO, WWJ.
7	6	5	4	KGO, WEAR, WHAD, WJR, WMAQ, WOK, WTIC.
8	7	6	5	KFNF, KPRC, KSD, KYW, WBZ, WCX, WEAF, WEEI, WHT, WLW, WMBB, WMCA, WQJ, WTAG, WWJ.
9	8	7	6	KFOA, KGO, KPRC, KSD, KYW, WBZ, WCCO, WDAF, WEEI, WGR, WHAD, WHAS, WJAR, WMAQ, WOR, WOS, WORD.
10	9	8	7	KFMX, KMA, KNX, KTHS, WCCO, WEAF, WEEI, WGR, WHAD, WJAR, WLS, WMAQ, WNYC, WOC, WSOE.
11	10	9	8	KGO, KGW, KMA, KPO, KTHS, WCAE, WLS, WLW, WOC, WSAI.
12 m	11	10	9	KGW, KPO, WHAD, WLW.
1 a. m.	12 m	11	10	WLW.

Thursday, January 21

Eastern	Central	Mountain	Pacific	Stations
6 p. m.	5 p. m.	4 p. m.	3 p. m.	WBZ, WCX, WEAF, WIP, WMCA, WREO, WWJ.
7	6	5	4	KGO, KSD, WEAF, WEAR, WGBS, WHAD, WJR, WMAQ, WOAW, WOK, WWJ.
8	7	6	5	KYW, WBBR, WBZ, WCAU, WCCO, WCX, WEAR, WEEI, WGR, WGY, WHAR, WHT, WLS, WLW, WMBB, WOAW, WQJ, WTAG, WTIC.
9	8	7	6	KHJ, KLDS, WBAP, WCAE, WCAU, WCBD, WCCO, WEAF, WEEI, WGR, WHAR, WHAS, WJAR, WNYC, WOC, WORD, WRC, WASI, WSB, WTAG.
10	9	8	7	KNX, KPRC, KTHS, KYW, WGR, WGY, WHAD, WMC, WOAW, WOC, WSAI.
11	10	9	8	KGO, KPO, KTHS, WBAP, WKRC.
12 m	11	10	9	KGW, KPO, WHO, WKRC.

Friday, January 22

Eastern	Central	Mountain	Pacific	Stations
6 p. m.	5 p. m.	4 p. m.	3 p. m.	KGO, WCX, WMCA, WREO, WWJ.
7	6	5	4	KGO, WEBJ, WGY, WHAD, WJR, WMAQ, WOAW, WOK, WOR, WTIC.
8	7	6	5	KYW, WAHG, WBZ, WCAU, WCX, WEBJ, WEEI, WHT, WLS, WQJ, WWJ.
9	8	7	6	KFDM, KFNF, KFOA, KGO, KHJ, KSD, KYW, WBAP, WBZ, WCAU, WDAF, WEEI, WHAD, WJAR, WMAQ, WMCA, WSAI.
10	9	8	7	KFAB, KFDM, KOA, WCCO, WHAD, WMAQ.
11	10	9	8	KFMX, KHJ, KNX, KPO.
12 m	11	10	9	KPO.

Wednesday, January 20

Headliners Today

Eastern	Central	Mountain	Pacific	
8 p. m.	7 p. m.	6 p. m.	5 p. m.	WQJ (447.5) Saida A. Ballantine artists.
8:30	7:30	6:30	5:30	KDKA (309.1) Quartet de luxe. WBZ (333.1) Fitchburg night. WNYC (526) Radio Love Birds.
9	8	7	6	WDAF (365.6) Round Table club. WSM (282.8) Musical Coterie artists.
9:15	8:15	7:15	6:15	WTIC (475.9) Laura Gaudet.
9:30	8:30	7:30	6:30	KFAB (340.7) Mona Motor Oil Cans. KPRC (296.9) Texas City artists.
10	9	8	7	WGR (319) Walther chorus.
10:15	9:15	8:15	7:15	KTHS (374.8) Request night.
11	10	9	8	WOC (483.6) "Safety First," three-act comedy.
12 m.	11	10	9	KOA (322.4) Rhythm Hustlers.

Wednesday, silent night for: **CHIC, CKNC, CNRA, CNRC, CNRE, CNRM, CNRR, CNRT, CNRV, KFAU, KFDM, KFEQ, KFKU, KFMQ, KFXF, KGO, KLDS, KOB, KTAB, WBAL, WBBR, WCAD, WSBD, WEBW, WFAA, WGBS, WGCP, WGST, WHAR, WHAZ, WIP, WJAZ, WMC, WOAI, WOAW, WOI, WPG, WRC, WREO.**

Eastern Time Stations

CKAC, Montreal, Canada (411), 1:45 p. m., Windsor hotel luncheon concert.

CNRO, Ottawa, Can. (435), 7 p. m., children's half hour; 8, Chateau Laurier concert orchestra; 8:45, Charlotte Marier, pianist; M. Rene Laflame, tenor; Paul Larose, pianist; Ronald Godbout, cornetist; Charles Pare, cornetist; Madame Henri Gauthier, soprano; Louis de Puyjalon, baritone; Chateau Laurier dance orchestra.

KDKA, Pittsburgh, Pa. (309.1), 7:15, 8 a. m., morning exercises; 12:20 p. m., "Personal Adjustment in the Family," Roswell Johnson; 5:45, KDKA mailbox; 6:30, dinner concert; 8:15, "Chemistry and Human Progress," Dr. Kendall S. Tesh; 8:30, KDKA Little Symphony orchestra; quartet deluxe.

PWX, Havana, Cuba (400), 8:30-11 p. m., concert, Malecon band, Cuban navy, Lieut. Armando Romeu, band leader.

WAHG, Richmond Hill, N. Y. (315.6), 12:03 p. m., musical program; 7:30 p. m., Club Castle dance orchestra; 8, Augustine Jaquillard, soprano; 8:15, contralto; 9:15, Sterling male quartet; 9:45, Jerva Emery Deutsch, violinist; 9, Jerva Blix, Norwegian Blix; 10:03, Raymond Maher, baritone; 10:20, Frank Lapeire's Collegians.

WBZ, Springfield, Mass. (333.1), 6:30 p. m., Little symphony orchestra, KDKA; 7:30, "Bird Life in Northern Patagonia," James L. Peters; 8, Hotel Kimball dance orchestra; 8:15, Mass. Aggie Radio forum; 8:30, Fitchburg night; 10:20, Leo Reisman's Hotel Brunswick studio.

WCAP, Washington, D. C. (468.5), 7 p. m., bridge, Ipana Troubadours; Roxy and his gang.

WCAU, Philadelphia, Pa. (278), 6:45 p. m., Parodians dance orchestra; 8, health talk; 8:10, Papa Bailey and his Gang; 8:45, Smokey; 9, Rigo's Royal Gypsy ensemble; 9:30, Jones' Jolly Four; 10, Lew Chapman's Inter-Fraternity dance orchestra; 10:30, White Strickland, "poetician"; 10:45, Frank Cook, old-time songs; 11, Artie Bittong's Cheer-up club.

WCX, Detroit, Mich. (516.9), 6 p. m., dinner concert, Book-Cadillac hotel; 8, musical program from studio.

WEAF, Ne[illegible] Y. (491.5), 6:45-7 and 7:20 a. m., Tower [illegible]n exercises; 10:45, Betty Crocker Gold Medal Flour home service talk; 11:05, Warren Scoffield, baritone, accompanied by Winifred T. Barr; 11:15, health talk; 11:30, Columbia university lecture, "Home Management"; 4, Ruth Shaffner, soprano, ac-

From an old Spanish family is Carmen D. Obarrio, talented young pianist, who entertains every Monday at KTAB, Oakland.

KPO TO INTRODUCE SWISS SINGERS

Wednesday, January 20

companied by Winifred T. Barr; 4:15, Nora Norman, pianist; program, "Capriccio", "Nocture", "Golliwog's Cake-Walk", "Waltz", "The Elf", Gnossienne", "Seguidilla"; 4:30, Paul Butler, tenor, accompanied by Winifred T. Barr; 6, dinner music, Hotel Waldorf-Astoria; 7, Synagogue servicers; 7:30, chamber musicale; artists; 8:30, Davis saxophone octet; 9, Ipana Troubadours; 10, musical program, "Roxy and His Gang"; 11-12, Hughie Barrett and his orchestra.

WEBJ, New York, N. Y. (272.6), 8 p. m., Putnam County Chamber of Commerce dinner.

WFI, Philadelphia, Pa. (394.5), 1 p. m., tea room orchestra; 3, Kathryn Beard, soprano, Helen Bader Yost, pianist; 6:30, Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra.

WGBS, New York, N. Y. (315.6), 10 a. m., timely talks; 10:10, Mary Miller, pianist; 10:20, beauty talk; 10:30, Mary Miller, pianist; 10:40, "House Furnishing", Olive Cowe; 10:50, Mary Miller, pianist; 3 p. m., special program for Hospital Shut-ins; 6, Uncle Geebee; 6:30, Jersey Collegians.

WGCP, New York, N. Y. (252), 12:30 p. m., race; 3 p. m., Ona Welsh, pianist; 3:20, Bobby Grey; 3:30, Schwarz; 4:15, Haines Good News party; 4:30, Jeanne A. Dair, composer; 4:45, Charlotte Trystmann, pianist; 5:10, Tracey and Mohr; 7, studio program; 7:30, Lillian Rubin, soprano; 3:55, dental talk, Dr. J. D. Kennedy Harmony group; 8, Hock and Jerome; 8:15, Charol De Thomee pianist.

WGR, Buffalo, N. Y. (319), 2:30 p. m., WGR afternoon program; 6:30, Armbruster's orchestra, Jack Little; 8:30, jointly with WEAF, Davis saxophone octet; Ipana Troubadours; 10, Walther chorus; 11-1 a. m., Vincent Lopez Hotel Statler dance orchestra, Harold Gieser, director.

WGY, Schenectady, N. Y. (379.5), 6:45 dinner program, Eastman theater orchestra, WHAM; 7:30, "Book of Knowledge" program; 8:05, musical program, WHAM.

WHN, New York, N. Y. (361.2), 7 p. m., Ted Lewis and his orchestra; 7:30, Burr McIntosh; 8, Calvary Baptist church; 10, Roseland dance orchestra; 11, Silver Slipper orchestra; 11:30, Melody club orchestra; 12, Cotton club orchestra; 12:30-1, Harry Richman and his entertainers.

WIP, Philadelphia, Pa. (508.2), 6:45 a. m., setting-up exercises; 7, setting-up exercises; 10:30, reducing exercises; 1 p. m., Gimbel tea room orchestra; 3, Shapp instrumental quartet, Isidor Shapp, violinist, Anthony Bove, harpist, Anthony Giampectra, flutist, Frank Vetera, cellist, Flora Ripka, accompanist; 6:05, Benjamin Franklin concert orchestra; 7, Uncle Wip's bedtime stories.

WKAQ, San Juan, P. R. (340.7), 7-9 p. m., musical selections, Municipal band; Prof. Manolo Tizol, conductor.

WKAR, E. Lansing, Mich. (285.5), 7:15-8 p. m., "New Discoveries and Their Application to Horticultural Problems," J. W. Crist; 8-9, music.

WLIT, Philadelphia, Pa. (394.5), 12:02 p. m., daily almanac; organ recital from Stanley theater; Arcadia cafe concert orchestra; 2, Arcadia cafe concert orchestra; 4:30, recital; 7:30, Dream Daddy's bedtime stories; 8, recital; 10, Arcadia cafe dance orchestra.

WMAK, Lockport, N. Y. (265.5), 7:30-9 p. m., musical.

WNYC, New York, N. Y. (526), 6:30 p. m., Spanish lessons; 7:35, dance program; 8:30, the Radio Love Birds; 9-11, banquet of the National Boot and Shoe manufacturers.

WOO, Philadelphia, Pa. (508.2), 11 a. m., organ recital; 12:02 p. m., Golden's crystal tea room orchestra; 4:45, organ recital; 7:30, Sylvania hotel dance orchestra; 8, Chamber musicale; 8:30, Davis saxophone octet; 9, American male quartet; 9:30, address, Rev. Forest Dager; 10, Fox theater studio program; 10:30, Sylvania hotel dance orchestra.

WOR, Newark, N. J. (405.2), 6:15 p. m., "Words Often Mispronounced"; 6:17, sports, Bill Wathey; 6:30, Jacques Jacobs Hotel Shelton ensemble; 8, "Topics of the Day," Spencer Armstrong; 9:15, talk, Dr. Frank H. Vizetelly; 9:30, Sam Siegel, mandolinist; 9:45, Ballin and Race, piano duettists; 10, Sam Siegel, mandolinist; 10:15, Ballin and Race.

WRC, Washington, D. C. (468.5), 10 a. m., women's hour; 12 m., Gertrude Smallwood, organist; 1 p. m., Lee House trio; 4:15, Meyer Davis' Le Paradis band; 5, WRC Foolish entertainers; George E. Ross, pianist; Ellsworth Tompkins, baritone; 6, "Things Talked About," Mrs. Nina Reed.

WTAG, Worcester, Mass. (268), 10:30 a. m., music; 10:45, talk to housewives, Mrs. Lyda Flanders; 12:05-2 p. m., WTAG orchestra; 4:45, talk, Robert K. Shaw; 7:15, Twinkle Twinkle story teller; 7:30, talk, Harold Whitehead; 7:45, Spanish lesson, Mrs. De La Parra; 8:30-9, Davis saxophone octet; 9-10, program; 10-11 Roxy and his gang.

WTIC Hartford, Conn. (475.9), 6:30 p. m., dinner concert, 8, studio program; 9, talk, "Some Aspects of Human Inheritance", Prof. Goodrich of Wesleyan university; 9:15, piano recital, Laura C. Gaudet; 9:30, organ recital.

WWJ, Detroit, Mich., (352.7), 9:30 a. m., tonight's dinner; special talk by the woman's [illegible] 12:05, Jules Klein's Hotel Statler orchestra; [illegible] News orchestra; 6, dinner concert; 8, News orchestra and soloists; 9, dance program; 10, Roxy and his gang.

The Rushmore ensemble singers gather at WJJD, Mooseheart, every Tuesday night under the direction of Elizabeth Rushmore, above. These programs are creating a very favorable impression this year.

Central Time Stations

CKY, Winnipeg, Can. (384.4), 7:30 p. m., Canadian National Railway's program, CNRW.

CNRW, Winnipeg, Can. (384.4), 7:30 p. m., bedtime story; 7:50, farmers' program; 8, Fort Garry hotel orchestra; 8:40, C. N. R. Transcona Shops brass band; Eleanor Williams Edmond, contralto; 10, Fort Garry hotel orchestra.

KFAB, Lincoln, Nebr. (340.7), 8:30-10:30 p. m., Mono Motor Oil Cans; Belshaw's orchestra, Slick Merriam, pianist; Cow Bell Boys; Olive Fletcher, Ruby Theater, double piano number; Harriett Cruise, Oriole of the Air.

KFKX, Hastings, Nebr. (288.3), 1 p. m., "The Dairy Cow in Summer," C. H. Eckles; 5:30, KDKA dinner concert; 9, musical program.

KFUO, St. Louis, Mo. (545.1), "How Can You Prove the Inspiration of the Bible?" Prof. M. S. Sommer.

KMA, Shenandoah, Iowa (252), 11:30-12:30 p. m., noonday rural program; talk, Earl E. May; music; news; 5:30, travelogue, G. H. Van Houten; 6-7, domestic science talk, Le Ona Teget; music; news; 9-11, Wm. Cunningham, Scotch songs; Babe and Bobbie Riddle, singers and clog dancers; men's chorus, Coin, Iowa.

KPRC, Houston, Texas (296.9), 12 m., Lion's club luncheon; 5:30 p. m., Uncle Judd's kiddies; 7:30, Eddie's Syncopators; 8:30, E. J. Katzmark, tenor; Mabel Lewis, pianist; 11, West Coast serenade program.

KSAC, Manhattan, Kans. (340.7), 9-9:25 a. m., music, inspirational talks, agricultural primer, calisthenics; 9:55-10:25, readings, question box; today's meals; 12:35-1:05 p. m., readings, question box; "Winter Horse Feeding," R. W. Kiser; "The Wily Coyote," A. E. Oman; 4:30-5, basketball lectures; 6:30-7:30, sports; Extension credit course, agricultural journalism; "Transportation Problems of Kansas," F. F. Frazier; "Systematic Trouble Shooting," Ray Flagg.

KSD, St. Louis, Mo. (545.1), 7 p. m., "Fur Hour;" 8, WEAF chain.

KSO, Clarinda, Iowa (241.8), 7-7:30 p. m., farm talks; 7:30-9, Mrs. Helen Grimes.

KTHS, Hot Springs National Park, Ark. (374.8), 9-9:15 p. m., W. C. Brown, baritone; 9:15-10, KTHS staff, New Arlington hotel orchestra; 10-10:45, concert, Southerners dance orchestra.

KYW, Chicago, Ill. (536), 6:30-7 a. m., morning exercises, Paul A. Leonhardt; 7:30, morning family worship, Y. M. C. A; 11:35, table talk, Mrs. Anna J. Peterson, Peoples Gas Company; 12:05 p. m., concert; 1, luncheon concert, Congress hotel; 6, dinner music, KDKA; 7:05, bedtime story, Walter Wilson; 7:30, music program, KYW; 8, musical program, Congress hotel; 10 midnight revue, KYW, Paul Ash and his orchestra, McVickers theater; 10:10-11:10, Sanders original Nighthawks; 12, Henri A. Keates, organlogue, McVickers theater; 1, Insomnia club, Congress hotel.

WAMD, Minneapolis, Minn. (243.8), 12 m., musical program; Dorothy Vanesek, soprano; Hazel Stageberg, accompanist; D. A. Lindholm, baritone; Donald Mensing, violinist; Wayne Hugaboom, accompanist; 7:05, talk; 7:10, musical program; Joy Nichols, soprano; Charles Jereb, tenor; Harvy Burt, pianist; Amy Hedburg, accompanist; Beata Hanson, violinist; 11, Skyrocket frolic, George Osborn's Hotel Radisson Skyrockets.

WBBM, Chicago, Ill. (266), 4-6 p. m., Valentino inn orchestra; artists; 8-10, string trio; Moulin Rouge orchestra; 12-2, artists; Two Jays.

WBCN, Chicago, Ill. (266), 10-10:30 a. m., Penny Wise, the shopper's ready helper, shopping talk; 7-8, classical hour; Emily Stone, violinist; Ada Mae, tenor; Ethel Eaves Price, soprano; Alice McMahon Stone, accompanist; Lemmyon Amoureaux, French tenor; Ethel Eaves Price, soprano; Alice McMahon, contralto; Margaret McArthur, pianist; John Williams, baritone; 10-1 a. m., Elmer Jordan & Co., Owl matinee.

WCCO, Minneapolis-St. Paul, Minn. (416.4), 10:45 a. m., "Checking up for the New Year," Betty Crocker; 2 p. m., "How the General Hospital Serves Minneapolis," Dr. Walter E. List; 2:30, afternoon concert; 4, reader's club, Eleanor Poehler; 7, midweek church, Rev. Douglas Atwill, rector; 8, Ipana Troubadours, WEAF; 9, "School Safety Problems," Gust H. Barfuss; 10:05, Wallie Erickson's Coliseum orchestra; 11:30, Eddie Dunstedter, organist.

WDAF, Kansas City, Mo. (365.6), 10:45-11 a. m., Betty Crocker in home service talk; 6-7, The Tell-Me-a-Story lady; address, Ralph E. Herrick; The Trianon ensemble; 8-9, program, Round Table club; 9-10, classical musical program, the Star's string ensemble; 11:45-1, the Plantation players; Eddie Kuhn's orchestra; Kansas City Athletic club, Wendell Hall.

WDOD, Chattanooga, Tenn. (256), 6:30-7 p. m., organ music, Tivoli theater; 7-8, Hotel Platten orchestra; 8:15, special features and program.

WEBH, Chicago, Ill. (370.2), 11:30-12 m., woman's half hour; 3-4 p. m., special features; 7-8, Oriole orchestra; Florence Behrend, soprano; Frank Bordner, baritone; 11-11:15, Oriole orchestra; 11:15-12:30, Howard Neumiller, pianist; Oriole orchestra.

WENR, Chicago, Ill. (266), 6-7 p. m., dinner concert; Rauland-lyric trio; piano and vocal selections; 8-10, popular program; All-American Pioneers; J. E. Peterson; Archie Rawls, tenor; Art Bilquist, popular songster; Helen Hart, soprano; Claire Gorska Geis, soprano; 12-2 a. m., All-American Pioneers; banjo and sax duettists; violin solos, vocal selections.

WFAA, Dallas, Texas (475.9), 12:30-1 p. m., Sears-Roebuck agricultural foundation program.

WGES, Oak Park, Ill. (250), 5-7 p. m., Betty Bebb and Helen Cameron, vocal duo; McDevitt sisters, pianists; Tiffin theater organ and orchestra; 8-9, Ethel Giese, basso; John Stamford, tenor; Tiffin theater organ and soprano; Ruth Kalthoff, contralto; Peter Mathews, orchestra; 11-1 a. m., Phillips twins, vocal duo and ukulele soloists; Tiffin theater organ and orchestra; Serenaders; Morris Hoffman, tenor.

WGN, Chicago, Ill. (302.8), 11-11:30 a. m., household hints; 11:30-12 m., fashion discussion; 12-12:10 p. m., public service period; 12:10-2:30, luncheon concert, Drake concert ensemble and Blackstone string quintet; 2:30-3, Lyon and Healy artist series; 3-3:25, public service period; 3:25-3:30, Port o' Missing Men; 3:30-4:15, tea time music, Marshall Field's tea room orchestra; 4:30-5, organ recital, Edward Benedict; 5:30-5:57, Skeezix time; 6:30-7, dinner concert by Drake concert ensemble and Blackstone string quintet; 8-9, music hour, Drake concert ensemble and vocal artists; 9-10, Roxy from WEAF; 10-11, dance program.

WHAD, Milwaukee, Wis. (275), 11 a. m., pianologue, Andy Hertel; the Housewife; 4 p. m., "With the Humorists," John R. Wolfe; Mrs. Marie Weiss, pianist; Linda Hering, saxophone; 6:15-7, Arthur Richter organist; 10:30-11:30, popular dance hits, Dexter's Wisconsin and Elger's Creole roof orchestras; 11:30-12:30 a. m., Edmund Fitch, organist.

WHAS, Louisville, Ky. (399.8), 1-2 p. m., Barney Rapp's orchestra; 3-3:30, Mrs. Myrtle Fulks Zahn, Jr., organist; 4-5, music, Harry S. Currie, director; editorials; 7:30-9, Royal Peacock orchestra.

WHB, Kansas City, Mo. (365.6), 2-3 p. m., Linwood theater; 7-8, Milo Finley trio; automotive extension lessons, John Burns; Virginia Yancey, soprano; Ruth Yancey, pianist; Elmira Hassig, flutist; Louis Lyon, flutist; Ora Rose, pianist.

WHO, Des Moines, Iowa (526), 6:30-7:30 p. m., Reese-Hughes orchestra; 7:30-9, Kate Miller, whistler; Maude Hughes, accompanist; E. A. Worth, tenor; Iowa drum corps, E. E. Ellis, director; Capitol theater artists; 9-11:30, dance program.

WHT, Chicago, Ill. (399.8), 10 a. m., Jean Sargent's program, woman's club, Borden health talk, Jelke Good Luck Girl studio music; 10:45 Betty Crocker home service; 11, special studio features; 12 p. m., Al Carney's complimentary organ hour; 1-2, special studio program, Grayling string trio; 6-7:30, classical program, dinner organ recital, Pauline Sachs, Phyllis Burton, violinist; Pauline Peebles, pianist; Jean Carlson, soprano; Hugh Aspinwall, tenor; Grayling's string trio; 7:45-9:15 (238), musical features; 9:30 (399.8), Borden request organ recital, Hickey and Johnson, harmony; Carl Strudel, baritone; Leota Laabe, soprano; Irene Beasley, the Girl from Dixie; Northland trio; Vic Fredericks, baritone; Charles R. Hall, tenor; Badger Four male quartet; Ray Lawson, tenor; 12, Pat Barnes and Al Carney.

WIBO, Chicago, Ill. (266), 10-11, shoppers' bureau, Grace Viall Gray; 2-4 p. m., popular shut-in program; 6-8, dinner concert, Walter Preston; WIBO trio; Florence Osterman, contralto; Christopher Hendra, tenor; 10-12, popular program, Erwin Cornelius, Hicky

WIBW, Logan, Kans. (273), 6:30 p. m., Bible lesson; 7, Bible lesson; 8, Bible lesson; 9, Bible lesson; 10, Bible lesson; 11, Bible lesson.

WJAD, Waco, Texas (394.5), 12:30 p. m., Baylor university program; 6:30, Baylor university program; 7:30, Baylor university program; 8:30, Baylor university program; 9:30, Baylor university program; 10:30, Baylor university program; 11:30, Baylor university program.

WJAX, Jacksonville, Fla. (491.5), 12:30 p. m., Gus Arnheim's Cocoanut Grove orchestra; 1:30, Gus Arnheim's Cocoanut Grove orchestra; 2:30, Gus Arnheim's Cocoanut Grove orchestra; 3:30, Gus Arnheim's Cocoanut Grove orchestra; 4:30, Gus Arnheim's Cocoanut Grove orchestra; 5:30, Gus Arnheim's Cocoanut Grove orchestra; 6:30, Gus Arnheim's Cocoanut Grove orchestra; 7:30, Gus Arnheim's Cocoanut Grove orchestra; 8:30, Gus Arnheim's Cocoanut Grove orchestra; 9:30, Gus Arnheim's Cocoanut Grove orchestra; 10:30, Gus Arnheim's Cocoanut Grove orchestra; 11:30, Gus Arnheim's Cocoanut Grove orchestra.

WJJD, Mooseheart, Ill. (370.2), 11:30-12 m., Mooseheart band; 3-4 p. m., Mooseheart band; 6-7, Mooseheart band; 8-9, Mooseheart band; 10-11, Mooseheart band.

WJR, Detroit, Mich. (517.3), 10:30 a. m., Detroit Symphony orchestra; 12:30 p. m., Detroit Symphony orchestra; 1:30, Detroit Symphony orchestra; 2:30, Detroit Symphony orchestra; 3:30, Detroit Symphony orchestra; 4:30, Detroit Symphony orchestra; 5:30, Detroit Symphony orchestra; 6:30, Detroit Symphony orchestra; 7:30, Detroit Symphony orchestra; 8:30, Detroit Symphony orchestra; 9:30, Detroit Symphony orchestra; 10:30, Detroit Symphony orchestra; 11:30, Detroit Symphony orchestra.

WJZ, New York, N. Y. (454.3), 6:30 p. m., Lucky Strike dance orchestra; 7:30, Lucky Strike dance orchestra; 8:30, Lucky Strike dance orchestra; 9:30, Lucky Strike dance orchestra; 10:30, Lucky Strike dance orchestra; 11:30, Lucky Strike dance orchestra.

WKRC, Cincinnati, Ohio (422.3), 6:30 p. m., Lucky Strike dance orchestra; 7:30, Lucky Strike dance orchestra; 8:30, Lucky Strike dance orchestra; 9:30, Lucky Strike dance orchestra; 10:30, Lucky Strike dance orchestra; 11:30, Lucky Strike dance orchestra.

WKY, Oklahoma City, Okla. (394.5), 12:30 p. m., Lucky Strike dance orchestra; 1:30, Lucky Strike dance orchestra; 2:30, Lucky Strike dance orchestra; 3:30, Lucky Strike dance orchestra; 4:30, Lucky Strike dance orchestra; 5:30, Lucky Strike dance orchestra; 6:30, Lucky Strike dance orchestra; 7:30, Lucky Strike dance orchestra; 8:30, Lucky Strike dance orchestra; 9:30, Lucky Strike dance orchestra; 10:30, Lucky Strike dance orchestra; 11:30, Lucky Strike dance orchestra.

WLAC, Nashville, Tenn. (282.8), 12:30 p. m., Lucky Strike dance orchestra; 1:30, Lucky Strike dance orchestra; 2:30, Lucky Strike dance orchestra; 3:30, Lucky Strike dance orchestra; 4:30, Lucky Strike dance orchestra; 5:30, Lucky Strike dance orchestra; 6:30, Lucky Strike dance orchestra; 7:30, Lucky Strike dance orchestra; 8:30, Lucky Strike dance orchestra; 9:30, Lucky Strike dance orchestra; 10:30, Lucky Strike dance orchestra; 11:30, Lucky Strike dance orchestra.

WLIB, Chicago, Ill. (302.8), 7-8 p. m., dinner concert; 11-12, popular program; 12-1, dance program.

WLS, Chicago, Ill. (344.6), 6:30 p. m., Ralph Emerson organist; 7, lullaby time; 7:15, WLS trio; 7:45, Rodeheaver program; 8:15, Arneson quartet; 8:45, WLS theater presentation; 10:40, Chicago Little symphony; 11, WLS circus.

WLW, Cincinnati, Ohio (422.3), 7:30 a. m., exercises, William Stradtman, Y. M. C. A; 8, morning devotions, auspices of Parkway Y. M. C. A; 12:05 p. m., Irene Downing, pianist; 3:30, Kroger cooking school, Mrs. Ralph H. Auch; 4, shut-in program, William Duning; 7, dinner hour concert, Hotel Gibson, Robert Visconti, director; 7:30, address, representative of the Ohio Farm Bureau federation; 7:40, Hotel Gibson concert; 8, Baby Bernadine; 8:15, second concert, Cincinnati Conservatory of Music, Ralph Lyford, conductor; 10, pep concert, fraternities of the University of Cincinnati, Ohio Delta Lambda of Alpha Tau Omega; 10:30, readings, by Charles Meade; 10:40, Crosley male quartet; 11:15, Crosley musical news, Johanna Grosse, organist; 11:40, pianologues, Carl Bamberger; 12, midnight stage and screen scribes frolic.

WMAQ, Chicago, Ill. (447.5), 12:45 p. m., Radio farm school; 1, Chicago Association of Commerce luncheon; 2, shut-in program; 4, recipes, Mrs. E. O. Hiller; 4:30, Cosmopolitan school of music pupils; 6, Chicago theater organ recital; 6:30, Georgene Faulkner, story lady; 8, lecture, Northwestern university; 8:30, musical program; 9, WMAQ players; 9:55, University of Chicago chimes.

WMBB, Chicago, Ill. (250), 7-8 p. m., Trianon concert artists, miscellaneous program, saxophone sextet, Veronica Krebs, semi-classical program; talk on finance; 9-11, Trianon orchestra, Dell Lampe, director; Woodlawn theater orchestra; Armin F. Hand, director; Scotty Welsh and Madison Sisters; Cecil and Esther Ward; Wilson and Davis, Billie Allen Hoff, popular program.

WNAD, Norman, Okla. (254), 12:30) p. m., Delta Pi serenaders; 12:50, "History of Oklahoma," Dr. E. E. Dale; 3:30, Boomers; 7:20, "Venus," course in astronomy and mythology, Professors Moseley and Hassler; 7:40, the work of the world, Dr. Allan M. Ruggles; talk, choosing one's life work; 9, Delta Pi serenaders; 10, WNAD little symphony; 11, collegians; 12, sooners.

WOAI, San Antonio, Texas (394.5), 3 p. m., musical program; 8:30-9:30, Army night, musical program, Ft. Sam Houston.

WOAW, Omaha, Nebr. (526), 12:45 p. m., Phyllis Griswold, organist.

WOC, Davenport, Iowa (483.6), 12:15-12:25 p. m., "The Dairy Cow in Summer," Prof. C. H. Eckles; 3-3:30, home management, Aunt Jane; 4-4:15, Clayton Meyer, baritone; Nat Ozman, entertainer; 5:45-6, chimes; 6:30-6:50, sandman; 6:50-7, "Modern Method of Salting and Smoking Meat at the Same Time," Yewell Rice; 9-10, Erwin Swindell, organist; Jeanette Brubaker, soprano; 10, "Safety First," WOC players.

WOK, Chicago, Ill. (217.3), 4:30-7 p. m., Capitol theater organ; Tearney's Town club Twilight Dansant; Lillian Knowles, contralto; Edwin Kemp, tenor; 10-1:30, Tearney's Town club orchestra; Carl LaRine's Pershing Palace orchestra; Husk O'Hare's Cocoanut Grove orchestra; Capitol theater program; studio program.

Atwater Kent Program, January 17, over WEAF and Chain*

Artists will be Florence Austral, soprano, and Cecilia Hansen, violinist.

I

Aria, Elizabeth's Greeting from Tannhauser.....Wagner
Florence Austral

II

"Poem".....Fibich
"Valse Bluette".....Drigo
Cecilia Hansen

"Dreary Steppe".....Gretchaninoff
"The First Violet".....Mendelssohn
"The Dawn".....Pearl Curran
Florence Austral

"Meditation Thais".....Massenet
"Caprice Viennois".....Kreisler
"Serenade".....Arensky
Cecilia Hansen

Aria Ritorna Vincitor from "Aida".....Verdi
Florence Austral

"Humoresque".....Dvorak
"Ave Maria".....Schubert-Wilhelmy
Cecilia Hansen

"Oh, Could I But Express in Song".....Malashkin
"Love's Quarrel".....Cyril Scott
"Sea Rapture".....Eric Coates
Florence Austral

Myron Jacobson at the piano for Miss Austral.
Boris Zakharoff at the piano for Miss Hansen.

*The WEAF chain for the Atwater Kent hour (9:15 p. m., eastern, 8:15 p. m., central time) includes WEAF (491.5), WFI (394.5), WGR (319), WCAE (461.3), WCAP (468.5), WJAR (305.9), WTAG (268), WGN (302.8), KSD (545), WCCO (416.4), WOC (483.6), WSAI (326), WEEI (348.6).

"Hot Lips" might be applied to "Bud" Morely, harmonica king of New York, who has found his way to WOC, Davenport. There is nothing this jazz artist cannot play on his chosen musical instrument.

WOS, Jefferson City, Mo. (440.9), 8 p. m., Missouri State Farmers' week, music, addresses.

WQJ, Chicago, Ill. (447.5), 11-12 m., "The Middle Aged Woman," Dr. Bertha Van Hoosen; "The Health Value of Winter Sports," Erna Baylis; 3-4 p. m., "A Soup and a Salad," Helen H. Downing; Lavine Price, pianist; "Pies for Everybody," Jean K. Rich; 7-8, Rainbo Gardens orchestra; Saida A. Ballantine artists; 10-1, Rainbo Skylarks; Melodians; Clarence Theders, tenor; J. Edwin Peterson, bass; Joey Stool, tenor; Eddie Vogel, baritone; Oxford Girls; Thelma Pefferle, soprano; 1-2, Ginger hour.

WSAI, Cincinnati, Ohio (326), 7 p. m., chime concert, Robert Badgley; 7:15, art talk, Cincinnati Art club; 7:30, the Davis Saxophone octet, WEAF; 10, talk, faculty member of University of Cincinnati; 10:15, the Congress Playing Card string quartet.

WSB, Atlanta, Ga. (428.3), 10:45 p. m., Biltmore salon orchestra.

WSM, Nashville, Tenn. (282.8), 6:30 p. m., concert, Francis Craig and his orchestra from Hermitage hotel; 7, bedtime story interlude; 8, program, Mrs. T. E. Miles and associate artists; 10, studio program.

WSUI, Iowa City, Iowa (483.6), 12:30 p. m., Dorothy Marshall, violinist; "An Epic of the Maori or Native New Zealanders," Prof. C. C. Nutting; 7:30-9, music.

Mountain Time Stations

CFAC, Calgary, Canada (435.8), 4 p. m., Red Cross, address; 8, program, W. F. Strack.

KFWA, Ogden, Utah (261), 4-5 p. m., organ recital, Paramount theater; 5-6, Radio dealers program; 9-10:30, music, Paramount theater; 10:30-12, dance music, Olie Reeves and his orchestra.

KOA, Denver, Colo. (322.4), 12:15 p. m., Rialto theater musicale; 6:27, farm council; 6:30, Brown Palace string orchestra; 7:30, Book of Knowledge; 8, studio program, Cooperative club; Cooperative boys' choir; KOA orchestra; Nina Churcher Thomson, soprano; Mrs. Morris J. Krohn, contralto; address, Herbert G. Brown; William Wegener, tenor; Charles Sackman, boy soprano; Aeolian trio; Charles M. White, tenor; Wilhelmina Rinche, contralto; First Baptist church quartet; Gertrude Livingston, contralto; Elmer Nelson, tenor; Mrs. Percy J. Lee, soprano; Clarence J. Schnebly, baritone.

Pacific Time Stations

KFI, Los Angeles, Calif. (467), 5:30-6 p. m., Examiner matinee; 6, nightly doings; 6:15, KFI's seeing California; 6:30, vest pocket program; 6:45, Radiotorial period; 7-7:20, Nick Harris' detective story; 7:20-8, Al Wesson and his dance orchestra; 8-9, program, Ventura Refining company, Ventura string quartet; 9-10, Examiner hour; 10-11, Patrick-Marsh dance orchestra, Betty Patrick, soloist.

KFON, Long Beach, Calif. (232.4), 4:30-5 p. m., amusement bulletin; 6-6:30, organ recital, Brayton's theater; 8-9, Press-Telegram program, directed by L. D. Frey.

KFWB, Hollywood, Calif. (252), 5-6 p. m., children's hour, Big Brother of KFWB; 7-7:30, Mutual Motors mirth contest; 7:30-8, microphone brevities; 8-9, program, Cheek-Neal Coffee company, Maxwell House Coffee string quartet; 9-10, Warner Brothers syncopators and entertainers; 10-11, Warner Brothers frolic, direction Charlie Wellman.

KGO, Oakland, Calif. (361.2), 3-4 p. m., speaker, Williams institute; Gladys Geary, soprano; Mitchell Landis, baritone; Frank Clark, pianist; 4-5:30, concert orchestra, Hotel St. Francis; 6-6:55, Arrillaga musical college; Clara Puccinelli, violinist; Charles William Warriner, accompanist.

KGW, Portland, Ore. (491.5), 7:15 a. m., physical culture exercises; 12:30-1:30 p. m., concert, Rose City trio; 6-7, dinner concert; 8-9, concert, 7th United States Infantry band; 10-11, concert, Sherman, Clay and company studio.

KHJ, Los Angeles, Calif. (405.2), 6-6:30 p. m., Leighton's Arcade cafeteria orchestra, Jack Cronshaw, leader; 6:30-7:30, history story, Prof. Hertzog; Dick Winslow, juvenile reporter; Mickey McBan, screen juvenile; Laon Ramon, pianist; Piggy Wiggly girls' trio; 8, Dr. Mars Baumgardt, scientific lecturer; 8:30-10, program, Motor Transit Stages system; 10-11, Don Clark's Biltmore hotel dance orchestra.

KJR, Seattle, Wash. (384.4), 1-2:30 p. m., organ recital, Columbia theater; "What to Prepare for Tonight's Dinner," Bernice Redington; 7-8:30, Sears Roebuck and company program; Aunt Bunny, the story lady; Bab's lady orchestra; 8:30-10, studio program; 10-12, Henry Halstead's victor recording orchestra.

KMTR, Hollywood, Calif. (238), 5-6 p. m., variety hour with Mammy Simmons and pupils of Geraldine Kasal, Irene Bennet, Louise Trosper; 8-10, the Turner orchestra, Loren Powell, director; Rondeau male quartet; 10-11, Starr Piano company studio.

KOAC, Corvallis, Ore. (280.2), 7:20 p. m., musical program; 7:30, "Household Linens" Blanche Steven; 7:45-8, "Would You like to Improve Your Kitchen?" Emma S. Weld.

Wednesday, January 20

KPO, San Francisco, Calif. (428.3), 7-7:30, 8 a. m., daily dozen exercises; 10, sewing talk, Betsy Ross; 10:30, "Ye Towne Cryer"; 12, reading of the Scripture; 1-2, Rudy Seiger's Fairmont orchestra; 2:30-3:30, matinee program; 5:15-6:15, children's hour stories, Big Brother; 6:30, "Ye Towne Cryer"; 6:40-7, Waldemar Lind and the States restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel orchestra; 8-9, program by Atwater Kent artists; 9-10, dance music, Goodrich Silvertown Cord orchestra; 10-11, Palace Hotel Rose room dance orchestra.

KTAB, Oakland, Calif. (240), 9-9:30 a. m., prayer service, Rev. G. W. Phillips.

KWSC, Pullman, Wash. (348.6), 7:30-9 p. m., women's glee club, Mrs. Herbert Kimbrough, director; special program, Colfax Chamber of Commerce.

Thursday, January 21

Headliners Today

	Eastern	Central	Mountain	Pacific
	7 p. m.	6 p. m.	5 p. m.	4 p. m.
WTIC (475.9) Travelers' banquet program.	8:30	7:30	6:30	5:30
WBZ (333.1) Salvation Army band.	9:15	8:15	7:15	6:15
WBZ (333.1) MacDowell program.	9:30	8:30	7:30	6:30
CKY (384.4) Princess Pat's band.	10	9	8	7
WGY (379.5) Rice string quartet.	11	10	9	8
KGO (361.2) "A Scrap of Paper," play.				
KPO (428.3) Swiss singing society.	11:15	10:15	9:15	8:15
KTHS (374.8) French harp and accordion novelties.				

Thursday, silent night for: CHIC, CKNC, CNRA, CNRE, CNRO, CNRR, CNRT, CNRV, CNRW, KFAB, KFAU, KFDM, KFEQ, KFMX, KFOA, KFUO, KFVE, KFWA, KGW, KLDS, KLX, KOA, KOAC, KOB, KWSC, PWX, WAFD, WAHG, WCAP, WCEE, WDOD, WEAO, WEBJ, WEBW, WHAD, WHAZ, WJJD, WKAQ, WLIT, WOAI, WOR, WSM, WSUI, WTAM.

Eastern Time Stations

CKAC, Montreal, Canada (411), 4:45 p. m., Windsor hotel tea dansant; 8, CNRM.

CNRM, Montreal, Canada (411), 8:30 p. m., scottish music, St. Andrews choir; Master Gerald Christmas, violinist; address, J. A. H. Cameron.

KDKA, Pittsburgh, Pa. (309.1), 12:20 p. m., "The Development of Personality, Neglected Channels of Self Expression," Floyd Allport; 6:30, KDKA Little Symphony orchestra; 8:15, farm program; 8:30, "Charles Francois Gounod," Richard Kountz; KDKA Little Symphony orchestra; Juliet Bartletti, soprano; 9, KDKA Little Symphony orchestra; soprano; 11, Pittsburgh Post midnight revue.

WAHG, Richmond Hill, N. Y. (315.6), 12:03 p. m., Grebe matinee trio.

WBBR, New York, N. Y. (272.6), 8 p. m., Carl Park, violinist; 8:10, vocal selections, Ruth de Boer and Elvira Kiefer; 8:20, Bible lecture, W. L. Pelle, "True Friendship"; 8:40, vocal selections, Ruth de Boer and Elvira Kiefer; 8:50, Carl Park, violinist.

WBZ, Springfield, Mass. (333.1), 6:30 p. m., KDKA; 7:30, Hotel Lenox ensemble; 8, Hotel Kimball dance orchestra; 8:30, Salvation Army band; 9:15, MacDowell program, Edmund Lloyd Myhaver, pianist; 9:30, to be announced.

WCAU, Philadelphia, Pa. (278), 6:30 p. m., Billy Hayes Cathay tea garden dance orchestra; 7:30, N. Snellenburg concert; 8, Mitchell Gondoliers; 8:15, recital; 8:45, Kandy Kid; 9, Barry Moore, Irish tenor; 9:30, Musical Chefs; 9:45, burlesque lessons, Professor Doolittle; 10, Sesqui-Centennial hour; 11, Parodians dance orchestra; 11:30, Club Cadix revue.

WCX, Detroit, Mich. (516.9), 6 p. m., dinner concert, Book-Cadillac hotel; 8, musical program.

WEAF, New York, N. Y. (491.5), 6:45-7 and 7:20 a. m., Tower health exercises; 11, Ruth Donaldson, soprano, accompanied by Winifred T. Barr; 11:10, Megowen's Mayfair extension talk; 11:20, Ruth Donaldson, soprano; 11:30, Columbia university lecture, "Cookery"; 4 p. m., recital, Julia Forrest, contralto, and Louise D. Scanlon, soprano; 4:15, Margaret Lyon, violinist, accompanied by Mrs. Mary Riker; 4:30, Henri Beaugard, tenor; 4:45, "Color in Lamps," Mrs. Bernice Bowser; 6, dinner music, Rose room of Hotel Waldorf-Astoria, New York City; 7, mid-week hymn sing, auspices of Greater New York Federation of Churches; 7:30, Smith brothers; 8, Larkinites; 8:30, Hire's harvesters; 9, Clicquot Club Eskimos; 10, Silvertown Cord orchestra, Joseph Knecht, director; 11-12 m., Vincent Lopez and his orchestra.

WFI, Philadelphia, Pa. (394.5), 1 p. m., tea room orchestra; 3, Oak Lane Review club; 6:30, Bellevue-Stratford concert orchestra; 7, Bellevue-Stratford dance orchestra; 8, Larkinites; 8:30, Hire's harvesters; 9, Clicquot Club Eskimos; 10, Silvertown Cord orchestra.

WGBS, New York, N. Y. (315.6), 10 a. m., timely talks; 10:10, T. Edgar Schewe, pianist; 10:20, "Better Homes," Alice Banrhill; 10:30, T. Edgar Schewe, pianist; 10:40, Hazel Lee, reader; 1:30 p. m., Phyllis Haverly, soprano; 2, Crescent City trio; 3, "Women in the Home" program, Prudence Penny; 6, Uncle Geebee; 7:45, Crystal Palace orchestra; 8:30, "Footlight and Lamplight," Oliver Sayler; 10:30, Vanderbilt hotel dance orchestra.

WGCP, New York, N. Y. (252), 12:45 p. m., 3, Elvira Rosa Geiger, pianist; Davis and Gallase; 3:35, Harold Glenn, whistler; 4:10, Fair and Dunn entertainers; 4:30, White Rose Melody boys; 5:10, Sylvia Schatz, pianist; 8:30, Strickland's orchestra; 9, F. R. Capocielliez, baritone; 9:15, Eva Rothenberg, pianist; 9:30, Piotti and Val; 9:45, studio program; 10:30, Strickland's orchestra; 11, Connie's orchestra.

WGR, Buffalo, N. Y. (319), 2:30 p. m., WGR afternoon program; 6:30, Vincent Lopez's Hotel Statler dance orchestra, Harold Gieser, director; 8, jointly with WEAF, Larkinites; 8:39, Jack Little; 9, jointly with WEAF, Clicquot Club Eskimos, Goodrich Silvertown Cord orchestra; 11-1 a. m., Vincent Lopez's Hotel Statler dance orchestra, Harold Gieser, director.

WGY, Schenectady, N. Y. (379.5), 2 p. m., music; "Variety in Winter Months," Dora Sonnenday; 6:30, dinner program, Ten Eyck concert trio; 7:30, book chat, L. L. Hopkins; 7:45, program, Syracuse university, WFBL; 9, Royal Salon orchestra hour, WJZ; 10, Rice string quartet; Mrs. John E. Faulkner, contralto; 11:30, organ recital, Stephen E. Boisclair, Albany, N. Y.

WHAR, Atlantic City, N. J. (275), 2 p. m., Seaside hotel trio; 7:30, lecture period; 8, Seaside hotel trio; 9, vocal and instrumental concert; 11:30, dance orchestra.

WHN, New York, N. Y. (361.2), 12:30-1 p. m., Lexington organ recital; 3:15-4:30, Lexington orchestra; 7, Iceland orchestra; 7:30, Ciro's orchestra; 8, Will Oakland's Chateau Shanley; 8:30, Sans Gene orchestra; 10:30, Club Kentucky orchestra; 11, Joe Ward's Swanee entertainers; 11:30, Bob Murphy's orchestra; 12-12:30 a. m., Ted Lewis and his orchestra.

WIP, Philadelphia, Pa. (508.2), 6:45 a. m., setting-up exercises; 7, setting-up exercises; 10, menu talk, Mrs. Anna B. Scott; 1 p. m., Gimbel tea room orchestra; 3, artists' recital, Combs Conservatory of Music; 6:05, Pagoda cafe dance orchestra; 7, Uncle Wip's bedtime stories; 8, "The Sesqui-Centennial," talk by Harry Mackey; 8:15, "Opportunities in Commercial Education in the Public Schools," John G. Kirk; 8:30, Y. M. and Y. W. H. A. chorus and orchestra; 10:05, Al Bentz and his versatile entertainers.

WKAR, E. Lansing, Mich. (285.5), 7:15-8 p. m., "Possibilities with Cows," H. W. Wigman; "Selecting Dairy Cows," J. E. Burnett; "Selecting the Dairy Bull," George Girrbach.

WLIT, Philadelphia, Pa. (394.5), 12:02 p. m., daily almanac; Stanley theater organ recital; Arcadia cafe concert orchestra; 2, Arcadia cafe concert orchestra; 4:30, child welfare talk; 7:30, Dream Daddy's bedtime stories.

WNYC, New York, N. Y. (526), 7:10 p. m., dance program; 7:35, dance program; 8, studio concert; 10:10, lecture, Sydney Neville Ussher.

WOO, Philadelphia, Pa. (508.2), 11 a. m., organ recital; 12:02 p. m., Golden's Crystal tea room orchestra; 4:45, organ recital; 7:30, Adelphia French room orchestra.

WOR, Newark, N. J. (405.2), 3:30 p. m., talk, B. P. Adams; 6:15, "Words Often Mispronounced"; 6:17, Bill Wathey, sport talk; 6:30-7:15, Jacques Jacobs' Hotel Shelton ensemble.

WRC, Washington, D. C. (468.5), 10 a. m., women's hour, WJZ; 12 m., organ recital, Homer L. Kitt; 1 p. m., Hotel Mayflower orchestra; 6, Hotel Hamilton orchestra; 7, Smithsonian talk; 7:15, Shoreham hotel orchestra, WJZ; 7:45, U. S. Army band, WJZ, WGY, WCAD; 8:15, talk on horses, Gen. James G. Harbord; 8:30, "The Political Situation in Washington Tonight," Frederick William Wile; 9, Royal Salon orchestra, WJZ, WGY, WCAD; 10, to be announced; 10:30-11:30, Meyer Davis' Swanee orchestra.

WRVA, Richmond, Va. (256), 8:15 p. m., orchestra; 8:30, Silver Tone male quartet; 8:45, soloists; 9, speaker; 9:10, violin; 9:20, piano; 9:30, Silvertone male quartet; 9:40, orchestra; 11, Carry me back to old Virginny.

WTAG, Worcester, Mass. (268), 10:30 a. m., musical selections; 10:45, talk, Marjorie Woodman; 12:05-2 p. m., WTAG orchestra; 4:30, Radio entertainment, WTAG indoor sports; 5:15, Twinkle Twinkle story teller; 7:45, nature talk, Esther Cunningham Averill; 8-8:30, Larkinites, WEAF; 8:30-9, program, WEAF; 9-10, Clicquot Club Eskimos; 10-11, Silvertown Cord orchestra.

WTAM, Cleveland, Ohio (389.4), 12:15-1:15 p. m., Austin Wylie's Golden Pheasant orchestra; 6-7, Guy Lombardo and his Royal Canadians; 8-10, City of Cleveland program; 10-11, Hollenden hour; 11-1 a. m., Guy Lombardo and his Royal Canadians.

WTIC, Hartford, Conn. (475.9), 6:30 p. m., "Twenty Minutes in Happyland," Edna Kimball Heath; 7, Travelers' Managers banquet, from Hartford club; Governor's Foot Guard band; Colonial male quartet; after-dinner speakers.

WWJ, Detroit, Mich. (352.7), 9:30 a. m., tonight's dinner; special talk by the woman's editor; 12:05, Jules Klein's Hotel Statler orchestra; 3, Detroit News orchestra; 6, dinner orchestra; 8, concert, WEAF.

Central Time Stations

CKY, Winnipeg, Canada (384.4), 8:30 p. m., Simpson's hour, Princess Pat's band.

KFKU, Lawrence, Kans. (275), 7 p. m., talk, Prof. Ivan Benson; 7:15, School of Fine Arts, Lee Greene, pianist; 7:30, K. U.-Oklahoma basketball game.

KFKX, Hastings, Nebr. (288.3), 1 p. m., "Legume day—Legumes Like to Work; Inoculate Them and Give Them a Chance," O. H. Sears; 5:30, KDKA dinner concert.

KFMQ, Fayetteville, Ark. (299.8), 8 p. m., "Selecting the Builder for Building the Small House," B. N. Wilson; "Personality Differences in the Family Group," Helen C. Goodspeed; "Can a Business Man Foretell the Future of His Business?" G. R. Esterly; "Exploiting the Health Interest," Irene Story; "Measuring Results in Education", G. N. Cade; "Early Christian and Byzantine Architecture," W. B. Allen; "Preliminary Surveys," W. N. Gladson.

KMA, Shenandoah, Iowa (252), 11:30-12:30 p. m., noonday rural program; garden talk, Earl E. May; news, music and popular program; May's flower lady, Lina Ferguson; 4-5, travelogue, G. H. Van Houten; 6-7, Iowa federation of women's clubs; Delmonico dreamers, dance orchestra.

KMMJ, Clay Center, Nebr. (228.9), p. m., Saronville, Nebr. Victory orchestra; 1:30, factory and office program.

KPRC, Houston, Texas (296.9), 12 m., book talk, Julia Ideson; 12:30, health talk, Dr. A. H. Flickwir; 5:30, Uncle Judd's kiddies' hour; 7:30, Blanchard's dance orchestra; 8:30, studio concert.

KSAC, Manhattan, Kans. (340.7), 9-9:25 a. m., music, inspirational talks, agricultural primer, calisthenics; 9:55-10:25, readings, question box; today's meals; 12:35-1:05 p. m., readings, question box; "More About Sweet Clover," L. C. Williams; "Stream Control Measures," Claude K. Shedd; 4:30-5, Botany; 6:30-7:30, music; Extension credit course, Educational Psychology; "Removing Stains," Lucille O. Rust; "Johnny Won't Eat That," Pearle E. Ruby.

KSD, St. Louis, Mo. (545.1), 4 p. m., women's hour, Wednesday club; 6:55, WEAF chain; 7:30, Esmeralda Berry Mayes, pianist; 8, WEAF chain.

KSO, Clarinda, Iowa (241.8), 7-7:30 p. m., farm talks; 7:30-9, mixed concert schools, Miss Taylor, director.

KTHS, Hot Springs National Park, Ark. (374.8), 9-9:30 p. m., ballad numbers, Eastman hotel orchestra; 9:30-10, Lawson Reid, organist; 10-10:15, New Arlington hotel orchestra; 10:15-10:30, French Harp, Mrs. Lula Keith; 10:30-11, Meyer Davis orchestra.

KYW, Chicago, Ill. (536), 6:30-7 a. m., morning exercises, Paul A. Leonhardt; 7:30, morning family worship, Y. M. C. A; 11:35, table talk, Mrs. Anna J. Peterson, Peoples Gas company; 1, noon-day concert; 1-2, luncheon concert, Congress hotel; 4, frolic, Hearst square; 6, dinner music, KDKA; 7:05, bedtime story Walter Wilson; 7:33, speeches, American Farm Bureau federation; 8-8:20, reading Rev. C. J. Perin, Loyola university; 8:20-9, musical program, Congress hotel; 9, music hour; 10, evening at home, KYW; 10:40-11:10, Coon-Sanders' Original Nighthawks; 1, Insomnia club, Coon-Sanders Original Nighthawks.

WAMD, Minneapolis, Minn. (243.8), 12 n., musical program; Chuch Johnson, uke soloist, Mrs. James Barett, soprano, Bert Searles, tenor, Katherine Grill, contralto; 7 p. m., dinner concert, George Osborn's Hotel Radisson orchestra; 7:05, talk; 11, Skyrocket frolic, George Osborn's Hotel Radisson orchestra.

WBBM, Chicago Ill. (266), 4-6 p. m., Valentino inn orchestra; singers; 8-10, Tip trio; Ziegler sisters; Moulin Rouge orchestra; 10-12, Moulin Rouge orchestra; artists and stars.

WBCN, Chicago, Ill. (266), 10-10:30 a. m., Penny Wise, the shopper's ready helper, shopping talk; 7-8, classical hour; Emily Stone, violinist; Ada Mae Stone, accompanist; Lemmyon Amoureoux, French tenor; Ethel Eaves Price, soprano; Alice McMahon, contralto; Margaret McArthur, pianist; John Williams, baritone; 10-1 a. m., Elmer Jordan & Co., Owl matinee.

WCBD, Zion, Ill. (344.6), 8 p. m., the mixed quartet and brass quartet, assisted by artists.

WCCO, Minneapolis-St. Paul, Minn. (416.4), 12 m., Donaldson's orchestra; 2 p. m., "Among the Musicians," H. A. Bellows; 2:30, afternoon concert, State theater; 4, readers' club, Eleanor Poehler; 5:30, Children's hour; 7, Larkinites, WEAF; 7:30, musicale; 8, program, Clicquot Club Eskimos, Silvertown Cord orchestra; 10:05, Emmet Long's Golden Pheasant orchestra.

WDAF, Kansas City, Mo. (365.6), 3:30-4:30 p. m., The Star's string orchestra; 6-7, The Tell-Me-a-Story lady; address, Louis Mecker; The Trianon ensemble; 11:45-1, Plantation players; organ numbers, Ted Meyn, Pantages theater.

WEBH, Chicago, Ill. (370.2), 11:30-12 m., woman's half hour; 3-4 p. m., features; 7-8, features; 9-10, Oriole orchestra; Belle Forbes Cutter, soprano; Ruth Buhl Flick, reader; 11-11:15 Oriole orchestra; 11:15-12:30 news flashes; Belle Fobes Cutter, soprano.

WENR, Chicago, Ill. (266), 6-7 p. m., dinner concert; Rauland-Lyric trio; twin piano duets; vocal solos; 8-10, All-American Pioneers; Strand Harmony entertainers; Rose Kutta, soprano; Vic Fredericks, popular songster; Ray Hibbeler, Will Rossiter.

WFAA, Dallas, Texas (475.9), 12:30-1 p. m., Mario H. Bolack, pianist; 4:30-5, Cloyd Griswold, songs, ukulele; 6:30-7:30, Don Bestor's orchestra, dinner music; 8:30-9:30 banquet Texas farm bureau organizations; 11-12 Cline's Collegians' orchestra.

WGES, Oak Park, Ill. (250), 5-7 p. m., Frederick Irving, basso; Rose Olech, soprano; Stenstrom sisters, vocalists; Miles Sullivan players; John Brown, pianist; Wyzenbeck trio; Tiffin theater organ and orchestra; 8-9, Remington Welsh, organist; Richard Dale, baritone; Ruth Kalthoff, mezzo-soprano; Wyzenbeck trio.

WGN, Chicago, Ill. (302.8), 11-11:30 a. m., household hints; 11:30-12, fashion discussion; 12-12:40, public service period; 12:40-2:30 p. m., luncheon concert, Drake concert ensemble and Blackstone string quintet; 2:30-3, Lyon and Healy artist series; 3-3:25, public service period; 3:25-3:30, Port O'Missing men; 3:30-4:15, tea time music, Marshall Field's tea room orchestra; 4:30-5, organ recital, Edward Benedict; 5:30-5:57, Skeezix time; 6:30-7, dinner concert, Drake concert ensemble and Blackstone string quintet;

AN EVENING AT HOME WITH THE LISTENER IN
IN EASTERN TIME

Call	Location	Met.	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday
AT9	Fort Bragg, N. C.	435	Silent	6:00- 7:00	Silent	Silent	Silent	8:00- 9:55	Silent
CFCN	Calgary, Alta.	434.5	12:00- 2:00	Silent	Silent	Silent	Silent	10:00-11:00	Silent
CJCA	Edmonton, Can.	516.9	11:00- 1:00	9:30-10:30	9:30-11:30	9:30-10:00	8:00-10:00	11:00- 1:00	10:00- 1:00
CKAC	Montreal, Que.	410.7	7:30-11:00	Silent	Silent	7:30-11:00	Silent	7:30-11:00	Silent
CKNC	Toronto, Ont.	356.9	8:00-12:00	Silent	8:00-11:00	Silent	Silent	Silent	Silent
CKY	Winnipeg, Man.	384.4	9:00-12:00	8:00-11:00	9:00- 1:00	Silent	8:30-12:00	9:30-12:00	Silent
CNRO	Ottawa, Ont.	434.5	8:30- 1:30	Silent	Silent	Silent	8:30- 1:30	Silent	Silent
CYL	Mexico City, Mex.	480	Silent	10:24-11:54	Silent	10:24-11:54	Silent	Silent	10:24-11:54
CZE	Mexico City, Mex.	350	9:24-10:24	Silent	9:24-10:24	9:24-10:24	9:24-10:24	9:24-10:24	9:24-10:24
KDKA	Pittsburgh, Pa.	309.1	6:30- 9:55	4:00- 8:45	6:30- 9:55	6:30-12:35	6:30- 9:55	6:30-12:00	6:30- 9:55
KFAB	Lincoln, Nebr.	340.7	6:30-10:30	5:00- 6:00	6:30-11:30	6:30-11:30	6:30-11:30	Silent	6:30-11:30
KFDM	Beaumont, Texas	315.6	Silent	9:00-10:00	Silent	9:00-11:30	Silent	Silent	9:00-11:30
KFI	Los Angeles, Calif.	467	9:00: 6:00	7:00- 2:00	9:00- 2:00	9:00- 2:00	9:00- 2:00	9:00- 2:00	9:00- 2:00
KFKX	Hastings, Nebr.	288.3	6:30- 7:30	Silent	10:00-12:00	6:30- 7:30	10:00-12:00	8:00- 9:00	10:00-12:00
KFMQ	Fayetteville, Ark.	299.8	Silent	Silent	Silent	8:30- 9:30	9:00-10:00	Silent	Silent
KFMX	Northfield, Minn.	337	Silent	8:00- 9:00	Silent	10:30-11:00	10:00-11:00	Silent	11:00-12:00
KFNF	Shenandoah, Ia.	266	8:00- 9:00	7:30-10:00	8:00- 9:00	8:00- 9:00	8:00- 9:00	8:00- 9:00	8:00- 9:30
KFOA	Seattle, Wash.	454.3	11:30- 2:30	Silent	9:45- 1:00	9:45- 1:00	9:45- 1:00	Silent	9:45- 2:30
KFUO	St. Louis, Mo.	545.1	Silent	9:15-10:15	9:00-10:00	Silent	10:15-11:15	Silent	Silent
KFVE	Univ'ty City, Mo.	240	10:15-11:15	Silent	10:15-11:15	10:15-11:15	10:15-11:15	Silent	10:15-11:15
KFWB	Hollywood, Calif.	252	10:45- 3:00	12:00- 2:00	10:00- 3:00	10:00- 3:00	10:00- 3:00	10:00- 3:00	10:10- 3:00
KGO	Oakland, Calif.	361.2	11:00- 3:00	6:30-12:30	9:00- 1:00	9:00- 2:00	9:00-10:00	10:00- 1:00	9:00-11:00
KGW	Portland, Ore.	491.5	9:00- 3:00	10:25- 1:00	9:00-12:00	9:00- 3:00	9:00- 2:00	9:00-11:00	12:00- 1:30
KHJ	Los Angeles, Calif.	405.2	9:00- 2:00	9:30- 1:00	Silent	9:30- 2:00	9:00- 2:00	9:00- 4:00	9:30- 2:00
KIAF	Sihtipok, Minn.	421	Silent	3:00- 4:00	8:00- 9:00	Silent	8:00- 9:00	Silent	8:00- 9:00
KJR	Seattle, Wash.	384.4	11:30- 1:00	10:15-12:00	10:00- 2:00	11:30- 1:00	10:00- 1:00	11:30- 3:00	11:30- 2:00
KLDS	Independence, Mo.	440.9	9:00-10:00	7:30-11:00	Silent	9:00-10:00	Silent	9:00-10:00	Silent
KLX	Oakland, Calif.	508.2	Silent	Silent	11:00- 1:30	Silent	11:00- 2:30	Silent	12:45- 1:30
KNX	Hollywood, Calif.	336.9	9:15- 5:00	5:00- 1:30	9:15- 3:00	9:15- 3:00	9:15- 2:00	9:15- 2:00	9:15- 3:00
KOA	Denver, Colo.	322.4	11:00- 1:00	5:00-10:45	8:30-11:00	8:30-10:30	8:30- 1:00	8:30- 9:30	8:30-11:00
KOB	State College, N.M.	348.6	Silent	Silent	9:30-10:30	Silent	Silent	Silent	Silent
KOIL	Council Bluffs, Ia.	278	7:15- 4:00	8:00- 1:00	7:30- 3:00	7:15- 1:00	7:15- 8:15	7:30- 1:00	8:30- 1:00
KPO	San Francisco, Cal.	428.3	9:35- 3:00	8:00- 1:00	9:40- 2:00	9:15- 2:00	9:15- 2:00	9:15- 2:00	9:30- 2:00
KPRC	Houston, Texas	296.9	8:30- 1:00	8:30-11:30	8:30-11:00	8:30-10:30	8:30- 1:00	8:30- 1:00	Silent
KSD	St. Louis, Mo.	545.1	7:45-11:00	7:15-10:15	7:55-12:00	7:55-11:00	8:00-10:00	7:55-11:00	8:30-10:00
KSL	Salt Lake City, Ut.	299.8	10:00- 1:00	11:00- 1:00	10:00- 1:00	11:00- 1:00	10:00- 1:00	10:00- 1:00	11:00- 1:00
KTAB	Oakland, Calif.	240	Silent	10:45- 2:00	11:00- 1:00	11:00- 1:00	Silent	12:00- 3:00	11:00- 1:00
KTBI	Los Angeles, Calif	293.9	Silent	10:15-12:30	Silent	11:00-12:00	Silent	11:00-12:00	Silent
KTCL	Seattle, Wash.	305.9	Silent	12:10- 9:10	10:00-11:00	11:00-12:00	Silent	Silent	10:00- 3:00
KTHS	Hot Springs, Ark.	374.8	10:00-12:00	10:00-12:30	10:00-12:00	10:00-12:00	10:00-12:00	10:00-12:00	10:00-12:00
KTW	Seattle, Wash.	455	9:30-10:30	Silent	Silent	9:30-10:30	Silent	9:30-10:30	Silent
KWKH	Shreveport, La.	261	10:00- 1:00	Silent	11:00- 4:00	10:00- 1:00	Silent	9:00-10:00	Silent
KWSC	Pullman, Wash.	348.6	Silent	Silent	10:30-12:00	Silent	10:30-12:00	Silent	10:30-12:00
KYW	Chicago, Ill.	535.4	8:00-11:00	5:00- 9:00	Silent	8:00- 1:30	8:00- 2:30	8:00- 1:30	8:00- 2:30
NAA	Radio, Va.	434.5	Silent	Silent	7:45- 8:00	7:45- 8:00	7:25- 8:40	7:45- 8:00	7:45- 8:00
PWX	Havana, Cuba	400	8:30-11:00	Silent	Silent	Silent	8:30-11:00	Silent	Silent
WAHG	Richmond, N. Y.	315.6	12:00- 2:00	Silent	8:00- 2:00	Silent	7:30-12:00	Silent	8:00-11:00
WBAL	Baltimore, Md.	246	Silent	6:30- 7:30	6:45-10:00	7:30- 8:30	Silent	6:15-10:00	5:30- 6:00
WBAP	Fort Worth, Tex.	475.9	8:30- 9:30	6:00- 1:00	7:00- 1:00	7:00-11:45	7:00- 1:00	7:00-11:45	7:00-11:45
WBAR	Sisiht, Wis.	406	Silent	11:00-12:00	10:00-11:00	Silent	9:00-10:00	8:30- 9:30	Silent
WBBM	Chicago, Ill.	226	9:00- 2:00	9:00- 3:00	7:00- 8:00	9:00- 1:00	9:00- 3:00	9:00- 1:00	9:00-11:00
WBBR	Staten Island, N.Y.	272.6	8:00-10:00	9:00-10:15	8:00- 9:00	Silent	Silent	8:00- 9:00	Silent
WBCN	Chicago, Ill.	266	10:00- 2:00	6:00- 1:00	Silent	10:00- 2:00	9:00- 1:00	10:00- 3:00	10:00- 2:00
WBZ	Springfield, Mass.	333.1	Silent	8:00- 9:00	6:30-11:05	6:30-10:02	6:30- 9:45	6:30-10:00	6:30-11:05
WCAE	Pittsburgh, Pa.	461.3	8:30- 9:30	6:30- 8:20	6:30-12:00	8:00-11:00	8:30-10:00	9:00-11:00	8:00- 9:30
WCAP	Washington, D. C.	468.5	Silent	4:00-10:15	6:00-11:00	Silent	7:00-11:00	Silent	7:00-12:00
WCAU	Philadelphia, Pa.	278	Silent	5:20-10:00	8:00-11:30	7:30-11:30	6:45-12:00	6:30-11:00	7:30-11:30
WCBD	Zion, Ill.	344.6	Silent	9:00-11:30	Silent	9:00-11:30	Silent	9:00-11:30	Silent
WCCO	Minn-St. P., Minn.	416.4	7:15-12:05	5:10- 9:15	7:30-11:00	7:15-10:30	8:00- 1:30	8:00-12:05	7:15-12:05
WCX	Detroit, Mich.	516.9	6:00- 7:00	Silent	6:00- 9:00	6:00-11:00	6:00- 9:00	6:00- 9:00	6:00-11:00
WDAF	Kansas City, Mo.	365.6	7:00- 2:00	5:00- 5:45	7:00- 2:00	7:00- 2:00	7:00- 2:00	7:00- 2:00	7:00- 2:00
WDWF	Providence, R. I.	440.9	Silent	Silent	Silent	8:30- 9:30	Silent	Silent	Silent
WEAF	New York, N. Y.	491.5	6:00-12:00	2:00-10:15	6:00-12:00	6:00-12:00	6:00-12:00	6:00-12:00	6:00-12:00
WEAO	Columbus, Ohio	293.9	Silent	Silent	Silent	Silent	8:00- 9:00	8:00- 9:00	Silent
WEAR	Cleveland, Ohio	389.4	7:00- 1:00	7:00-10:15	8:00-12:00	7:00-10:00	7:00- 8:00	7:00-11:00	7:00-11:00
WEBH	Chicago, Ill.	370.2	8:00- 3:00	6:00-10:00	Silent	8:00- 2:00	8:00- 2:00	8:00- 2:00	8:00- 2:00
WEBJ	New York, N. Y.	272.6	Silent	Silent	Silent	8:00- 9:00	8:00-10:00	Silent	7:00- 9:00
WEEI	Boston, Mass.	348.6	Silent	7:20-10:20	8:30-10:00	8:00-11:00	8:00-10:00	8:00-11:00	8:30-11:00
WENR	Chicago, Ill.	266	7:00- 3:00	3:00-12:30	Silent	7:00-11:00	7:00- 3:00	7:00-11:00	7:00- 3:00
WFAA	Dallas, Tex.	475.9	9:30- 1:00	7:30-12:00	7:30-10:30	7:30- 1:00	Silent	7:30- 1:00	7:30-10:30
WFBH	New York, N. Y.	272.6	11:30- 2:00	5:00- 8:00	11:30- 2:00	11:30- 2:00	11:30- 2:00	11:30- 2:00	11:30- 2:00
WFI	Philadelphia, Pa.	394.5	8:00- 9:30	7:30- 8:30	Silent	8:00-12:00	Silent	8:00-11:00	Silent
WGBS	New York, N. Y.	315.6	6:00-11:30	8:00- 9:00	7:00- 7:15	6:30-11:30	6:00- 8:30	6:00- 8:45	Silent
WGBU	Fulford, Fla.	278	6:30- 1:00	9:30-12:00	6:30- 1:00	6:30- 1:00	6:30- 1:00	6:30- 1:00	6:30- 1:00
WGCP	New York, N. Y.	252	Silent	8:00-11:15	8:00-11:00	Silent	8:00-11:15	Silent	8:00-11:00
WGES	Oak Park, Ill.	250	11:30- 3:00	11:30- 3:00	Silent	11:30- 3:00	11:30- 3:00	11:30- 3:00	11:30- 3:00
WGHB	Clearwater, Fla.	266	6:00- 1:00	Silent	6:00- 1:00	6:00- 1:00	6:00- 1:00	6:00- 1:00	6:00- 1:00
WGHP	Detroit, Mich.	270	Silent	Silent	7:00- 9:00	7:00- 9:00	7:00- 9:00	9:00-11:00	9:00-11:00
WGN	Chicago, Ill.	302.8	7:30-12:00	3:00-10:15	Silent	7:30-12:00	7:30-12:00	7:30-12:00	7:30-12:00
WGR	Buffalo, N. Y.	319	Silent	7:45-10:15	8:30- 1:00	8:00-11:00	8:00- 1:00	8:00-11:00	8:45- 1:00
WGY	Schenectady, N. Y.	379.5	9:00-12:00	6:30-10:00	6:30- 8:30	7:00-11:00	Silent	6:45-11:30	7:15-10:30
WHAD	Milwaukee, Wis.	275	Silent	4:15- 5:15	9:00-11:00	Silent	11:30- 1:00	Silent	9:30-11:00
WHAR	Atlantic City, N. J.	275	7:30-10:30	7:50- 1:15	7:30-10:00	7:30- 1:15	Silent	7:30-11:00	7:30- 1:15
WHAS	Louisville, Ky.	399.8	8:30-10:00	5:00- 6:00	Silent	8:30-10:30	8:30-10:00	8:30-10:00	8:30-10:00
WHAZ	Troy, N. Y.	379.5	Silent	Silent	9:00-12:00	Silent	Silent	Silent	Silent
WHB	Kansas City, Mo.	365.6	Silent	9:00- 2:00	8:00- 9:00	Silent	8:00- 9:00	9:00-11:30	8:00- 9:00
WHN	New York, N. Y.	361.2	7:30-10:00	5:00- 5:30	8:00-12:00	9:30-10:00	10:00-11:30	8:00-10:00	7:30-12:30
WHO	Des Moines, Ia.	526	Silent	8:30- 9:30	8:30- 1:00	8:30- 1:00	7:30- 1:00	8:30- 1:00	8:30- 1:00
WHT	Chicago, Ill.	399.8	8:00- 2:00	1:00-11:30	Silent	8:00- 2:00	8:00- 2:00	8:00- 2:00	8:00- 2:00
WIBO	Chicago, Ill.	226	7:00- 9:00	7:00- 1:00	Silent	7:00- 4:00	7:00- 4:00	7:00- 4:00	7:00- 3:00
WIP	Philadelphia, Pa.	508.2	8:00-12:05	Silent	Silent	8:00- 1:00	Silent	8:00- 1:00	Silent
WJAR	Providence, R. I.	305.9	Silent	7:20-10:15	8:00-10:00	7:30-10:00	7:30-11:00	8:00-11:00	8:00-12:00
WJAS	Pittsburgh, Pa.	275.3	7:00-12:00	Silent	7:00-12:00	7:00-12:00	7:00-12:00	7:00-12:00	7:00-12:00
WJAZ	Chicago, Ill.	322.4	Silent	Silent	Silent	Silent	Silent	11:00- 1:00	Silent
WJJD	Mooseheart, Ill.	370.2	7:00- 1:00	9:45-11:00	Silent	7:00- 2:00	7:00- 2:00	7:00- 2:00	7:00- 2:00
WJR	Pontiac, Mich.	516.9	7:00-12:30	8:30-10:00	7:00-12:30	7:00-10:00	7:00-11:30	7:00-12:00	7:00- 9:00
WJY	New York, N. Y.	405.2	Silent	8:15- 9:15	Silent	8:30-11:15	Silent	8:30-10:00	8:45- 9:45
WJZ	New York, N. Y.	454.3	7:00-11:30	8:00-11:00	8:15- 9:15	8:10-11:30	9:30-11:30	8:30-11:00	8:15-10:45
WKAQ	San Juan, P. R.	340.7	Silent	Silent	Silent	Silent	7:00- 9:00	7:30- 9:00	8:00- 9:00
WKAR	Lansing, Mich.	285.5	12:30- 2:00	Silent	7:00- 8:00	Silent	8:00- 9:15	Silent	7:00- 8:00
WKRC	Cincinnati, O.	422.3	11:00-12:00	7:45-12:00	7:00- 1:00	11:00- 1:00	9:00-11:45	9:00-11:00	Silent
WLIB	Chicago, Ill.	302.8	8:00- 1:00	8:00- 9:00	Silent	8:00- 2:00	8:00- 2:00	8:00- 2:00	8:00- 2:00
WLIT	Philadelphia, Pa.	394.5	Silent	Silent	7:30-11:00	Silent	7:30-11:00	Silent	7:30-11:00
WLS	Chicago, Ill.	344.6	8:45- 2:00	7:30- 8:55	Silent	8:00- 9:00	8:00-12:30	8:00- 9:55	8:00-12:30
WLW	Cincinnati, O.	422.3	8:00-10:00	8:30-10:30	8:00- 9:00	7:30-11:00	8:00-12:00	8:00- 1:00	Silent
WLWL	New York, N. Y.	288.3	Silent	7:00- 8:00	8:00-10:00	8:00- 9:00	Silent	8:00-10:00	Silent
WMAK	Lockport, N. Y.	265.5	7:30-10:00	7:30- 8:30	8:00-10:00	Silent	7:30-10:00	Silent	9:00-10:00
WMAQ	Chicago, Ill.	447.5	9:00-11:00	Silent	Silent	9:00-11:15	9:00-10:45	8:00-12:00	9:00-11:15
WMBB	Chicago, Ill.	250	8:00-11:30	8:00-11:30	Silent	8:00-11:30	8:00-11:30	8:00-11:30	8:00-11:30
WMBF	Miami Beach, Fla.	384.4	7:00-12:00	7:12-12:00	7:00-12:00	7:00-12:00	7:00-12:00	7:00-12:00	7:00-12:00
WMC	Memphis, Tenn.	499.7	8:30-10:30	Silent	8:30-10:30	8:30- 1:00	Silent	8:30-10:30	8:30- 1:00
WMCA	New York, N. Y.	340.7	9:00- 1:00	7:00-10:00	9:00-12:00	8:00-12:00	9:00-12:00	9:00-12:00	8:00-11:45
WNAC	Boston, Mass.	280.2	8:00-10:00	3:00- 9:30	8:00-10:00	8:00-10:00	8:00-10:00	8:00-10:00	8:00-10:00
WNYC	New York, N. Y.	526	7:00-10:30	9:00-11:00	7:35-10:30	7:10-10:30	7:30-10:30	7:35-10:30	7:30-10:30
WOAI	San Antonio, Texas	394.5	Silent	8:45- 9:45	Silent	9:30-10:30	9:30-10:30	Silent	9:30-10:30
WOAN	Lawrenceb'g, Tenn.	282.8	Silent	10:00-11:00	10:00-11:00	10:00-11:00	10:00-11:00	10:00-11:00	10:00-11:00
WOAW	Omaha, Nebr.	526	7:00- 1:00	10:00-11:00	7:00-12:00	7:00- 2:00	Silent	7:00-11:00	7:00-11:00
WOAX	Trenton, N. J.	240	Silent	9:30-11:30	Silent	Silent	Silent	Silent	Silent
WOC	Davenport, Ia.	483.6	10:00- 1:00	7:30-12:45	Silent	7:30-12:15	7:30-11:00	7:30- 1:00	7:30-10:45
WOK	Homewood, Ill.	217.3	11:00- 2:00	7:30-9:30	7:00- 2:00	11:00- 2:00	11:00- 2:00	11:00- 2:00	11:00- 2:00
WOO	Philadelphia, Pa.	508.2	Silent	7:30- 8:30	6:00- 7:00	7:30- 8:30	7:30-12:00	7:30- 8:30	7:30-12:00
WOQ	Kansas City, Mo.	278	9:00-12:00	9:00-10:15	Silent	9:00-10:00	Silent	8:00-10:00	Silent
WOR	Newark, N. J.	405.2	6:15- 8:30	Silent	6:15- 9:30	6:15- 7:30	6:15-10:00	6:15- 7:30	6:15- 7:30
WORD	Batavia, Ill.	275	9:30-11:30	7:45- 9:00	Silent	9:30-11:00	9:30-11:00	9:30-11:00	9:30-11:30
WOS	Jefferson City, Mo.	440.9	Silent	9:00-10:00	9:00-11:00	Silent	9:00-11:00	Silent	9:00-11:00
WPG	Atlantic City, N. J	299.8	7:00-12:00	4:15-12:00	7:00-12:00	8:00-12:00	Silent	7:00-12:00	7:00-12:00
WQJ	Chicago, Ill.	447.5	8:00- 4:00	8:00-11:00	Silent	8:00- 3:00	8:00- 3:00	8:00- 3:00	8:00- 3:00
WRC	Washington, D. C.	468.5	7:00-11:30	Silent	Silent	7:00-11:00	Silent	7:00-11:00	Silent
WREO	Lansing, Mich.	285.5	10:00-12:00	Silent	Silent	8:15-10:00	Silent	8:15-10:00	Silent
WRW	Tarrytown, N. Y.	273	9:00-11:30	8:00-11:30	9:00-11:30	9:00-11:30	9:00-11:30	9:00-11:30	9:00-11:30
WSAI	Cincinnati, O.	325.9	8:30-10:15	8:45-11:15	11:00- 1:00	7:30-11:30	11:00- 1:00	8:00-11:00	Silent
WSB	Atlanta, Ga.	428.3	9:00- 1:00	8:30-10:15	9:00- 1:00	9:00- 1:00	11:45- 1:00	9:00- 1:00	9:00- 1:00
WSM	Nashville, Tenn.	282.8	8:15-12:00	8:30- 9:30	8:00-12:00	Silent	8:00-12:00	Silent	Silent
WSMB	New Orleans, La.	319	9:30-11:30	Silent	9:30-12:30	Silent	9:30-11:30	9:30-12:00	Silent
WSUI	Iowa City, Ia.	483.6	Silent	10:15-10:45	8:30-10:00	Silent	Silent	Silent	Silent
WTAG	Worcester, Mass.	268	Silent	7:00- 9:15	8:00- 9:00	8:00-11:00	8:00- 9:00	8:00-11:00	8:00- 9:00
WTAM	Cleveland, O.	389.4	6:00-12:00	Silent	6:00-12:00	6:00- 7:00	6:00-12:00	6:00- 7:00	6:00- 7:00
WTIC	Hartford, Conn.	475.9	Silent	8:15- 9:15	6:30- 9:00	6:30-10:00	6:30-11:00	6:30- 8:45	6:30-12:30
WWJ	Detroit, Mich.	352.7	Silent	6:20-10:00	6:00- 9:00	6:00- 9:00	6:00-10:00	6:00-12:30	6:00-10:00

SCOTCH EVENING FRIDAY OVER KOA

Thursday, January 21

8-9, Clicquot Club Eskimos, WEAF; 9-10, Silvertown program, WEAF; 10-11, dance program.

WGST, Atlanta, Ga. (270), 7-8 p. m., vocal program, Lewis H. Johnson, director, "Athletics at Georgia Tech.," W. A. Alexander.

WHAD, Milwaukee, Wis. (275), 11 a. m., pianolog, Andy Mertel; 4 p. m., Mrs. Ferne Medley Hansen, vocalist; I. E. Clayton, baritone; 6:15-7, Bill Benning's Milwaukee Athletic club orchestra.

WHAS, Louisville, Ky. (399.8), 1-2 p. m., Benson trio; 3-3:30, Mrs. Myrtle Fulks Zahn, Jr., organist; 4-5, musical selections, Harry S. Currie, director; editorials; 7:30-9, concert, auspices Zeta Chapter Delta Omicron National Musical sorority; Sunday school lesson.

WHB, Kansas City, Mo. (365.6), 7-7:45 p. m., Morrell Moore, organist; aviation talk, Harry Wimer; 8-9:30, novelty music.

WHO, Des Moines, Iowa (526), 7:30-8 p. m., Raleigh quintet; 8-9, Bankers Life trio, Helen Birmingham, director; 11-12, Bankers Little symphony orchestra.

WHT, Chicago, Ill. (399.8), 10 a. m., Jean Sargent's program, woman's club, Jelke Good Luck girl, studio features; 11, specialists from studio; 12 n., Al Carney's complimentary organ hour; 1-2 p. m., special studio program; 6-7:30, classical program, dinner organ recital; Franklin Hathaway, baritone; Ada May Hathaway, violinist; Edwin Kemp, tenor; Genevieve Barry Burnham, soprano; 7:45-9:15, musical features; 9:30, Jelke entertainers; Al Carney, organist; Husk O'Hare's orchestra; Howard Sershon, tenor; Rita McFawn, popular songs; 10:10, U. S. L. half hour of dance music; 12 m., Pat Barnes and Al Carney.

WIBO, Chicago, Ill. (226), 10-11 a. m., shoppers bureau, Grace Viall Gray; 2-4 p. m., shut-in program; 6-8, dinner concert, Walter Preston; WIBO trio, Chester Newman, baritone; Helen Snyder, soprano Harriet Hebert, contralto; 12-2, midnight jamboree.

WLIB, Chicago, Ill. (302.8), 7-8 p. m., dinner concert; 11-12 m., popular program; 12-1 a. m., dance program.

WLS, Chicago, Ill. (344.6), 12 m., WLS studio trio; 6:30, Ralph Emerson, organist; 7, Ford and Glenn's Woodshed theater; 7:20-7:55, Salvation Army band.

WLW, Cincinnati, Ohio (422.3), 7:30 a. m., exercises, William Stradtman, Y. M. C. A; 8, morning devotions, auspices of Parkway Y. M. C. A; 12:05 p. m., organ concert, Mildred Prigge; 12:30, health talk, Dr. Carl Wilzbach; 4, concert, artists from Huntington, W. Va; 7, dinner hour concert, Hotel Gibson, Robert Visconti, director; 7:30, talk, Dr. C. H. Kaufman; 7:40, Hotel Gibson concert; 9, Cincinnati automobile show, Music hall; 10, Doherty Melody boys; 11, dance music, Castle farm; 12:15, Crosley Skyterriers.

WMAQ, Chicago, Ill. (447.5), 12:45 p. m., Radio farm school; 2, shut-in program; 4, Illinois Federation of Women's clubs; 4:45, program, pupils; 5:15, Topsy-turvy time; 6, Chicago theater organ recital; 6:30, Hotel LaSalle orchestra; 8:30, Chicago Association of Commerce talk; 8:40, financial talk; 9, University of Chicago lecture; 9:20, program, Grace and Robert Whitney, cello and piano; 9:55, University of Chicago chimes.

WMBB, Chicago, Ill. (250), 7-8 p. m., Trianon concert artists; National program; Christopher Gleason, Irish harpist; jigs and reels; James T. Carney, semi-classical program; talk on finance; 9-11, Trianon orchestra, Dell Lampe, director; Woodlawn theater orchestra, Armin F. Hand, director; Tracy and Duncan, Tommy Hughes, Katherine O'Hara, popular program.

WMC, Memphis, Tenn. (499.7), 8:30 p. m., Missouri Pacific program.

WNAD, Norman, Okla. (254), 12:30 p. m., university male quartet, Roscoe Roberts first tenor; Andrew Ireland, second tenor; Townsend McClure, baritone; Jack Boone, bass; 12:50, History of Oklahoma, Dr. E. E. Dale; 3:30, Ramblers; 7:20, business conditions, Dean A. B. Adams, school of business; 7:30, "Why Heat the basement," Dr. Williams Schriever; 7:40, "Some Weather Proverbs and Explanation," Prof. O. F. Evans; 10:30, troubadours.

WOAW, Omaha, Nebr. (526), 12:45 p. m., Jaffy's string quintet; 6, classical; 6:15, Hawaiian trio; 6:50, Randall's Royal Fontenelle orchestra; 9, de luxe program; 10:30, Herb Feierman and his Omadals orchestra; 12, midnite program.

WOC, Davenport, Iowa (483.6), 12:15-12:25 p. m., "Legumes Like to Work—Inoculate Them and Give Them a Chance," O. H. Sears; 3-3:30, home management, Aunt Jane; 5:45-6, chimes; 6:30-6:50, sandman; 7-7:30, Larkinites; 7:30-8, Nat Ozman, entertainer; 8-9, Clicquot Club Eskimos; 9-10, Goodrich Silvertown Cord orchestra; 11-12 m., LeClaire hotel orchestra; Peter MacArthur, baritone.

WOK, Chicago, Ill. (217.3), 4:30-7 p. m., Tearney's Town Club Twilight dansant; Capitol theater organ; studio program; 10-1:30 a. m., Tearney's Town club orchestra; Carl LaRine's Pershing Palace orchestra; Husk O'Hare's Cocoanut Grove orchestra; Capitol theater program; studio program.

WOQ, Kansas City, Mo. (278), 7-8 p. m., Unity educational program; 8-9, concert.

WOS, Jefferson City, Mo. (440.9), 8 p. m., Missouri State Farmer's week, music, addresses.

WQJ, Chicago, Ill. (447.5), 11-12 m., "Let's Have a Waggle Supper," Erna J. Bertrams; "Heart Disease and the Greatest Battle against Disease the World Has Ever Known," Gertrude Howe Britton; 3-4 p. m., "A Red Riding Hood Party for Children," Helen H. Downing; "The Value of Mother's Vote," Mrs. Guy W. Cornwell; 7-8, Ralph Williams and his Rainbo Gardens orchestra; Kenneth Sterling, baritone; Jean Carlson, soprano; Cecelia Arends, violinist; Johanna Arends, accompanist; Doris Gross, reader; 10-1, Rainbo Skylarks; Jerry Sullivan; Rose Vanderbosch, soprano; Ralph Kelm, pianist; Anne Kelm, mezzo soprano; Lew Butler; Parish and Ward; Ray Lawson, tenor; 1-2, Ginger hour.

WRR, Dallas, Texas (246), 12-1 p. m., Roy Newman, pianist, old time melodies; Dr. R. S. Hyer, Bible talk; 5:15, bedtime story; 6-7, dinner hour concert, Jack Gardner and his orchestra; 8-9, program, joint direction of Emmett Peck and Robert Gooding, violin and saxophone orchestra.

WSAI, Cincinnati, Ohio (326), 6:30 p. m., Charles Dornberger's Victor Recording orchestra, Hotel Sinton; 7, program; 8, Clicquot club program of music, WEAF; 9, Silvertown Cord orchestra, Joseph Knecht, director.

WSB, Atlanta, Ga. (428.3), 8 p. m., organ recital, Dr. Charles A. Sheldon, Jr.; 10:45, entertainment.

WSUI, Iowa City, Iowa (483.6), 12:30 p. m., Mrs. Preston C. Coast, organist; popular physics address.

Mountain Time Stations

CFAC, Calgary, Can. (435.8), 7 p. m., bedtime story, Radio Lady; 9-11, Canadian National Railways program; dance program, Jack Rushton's serenaders.

CNRC, Calgary, Canada (435.8), 7 p. m., bedtime story; 9, Jack Rushton's serenaders.

KFWA, Ogden, Utah (261), 4-5 p. m., organ recital, Paramount theater; 5-6, Radio dealers program.

KFXF, Colorado Springs, Colo. (250), 9-10:30 p. m., Rosemary Gardens dance program.

KOA, Denver, Colo. (322.4), 12:15 p. m., Rialto theater musicale; 3:15, relaxing and corrective exercises, Mrs. Ruth Drumm Witting; 3:30, matinee for housewives, St. Mary's academy; Marjorie Heid, violinist; Geraldine Koch, pianist; Mary Christiana Johnson, pianist; 4, culinary hints, Mrs. Clara Hoover; 6:30, Brown Palace string orchestra.

Pacific Time Stations

KFI, Los Angeles, Calif. (467), 5:30-6 p. m., Examiner matinee; 6, nightly doings; 6:15, KFI's seeing California; 6:30, vest pocket program; 6:45, Radiotorial period; 7-8, program, students of University of Southern California; 8-9, Louis Klos trio, Lee Bolin, tenor; 9-10, program, Chickering hall; 10-11, Examiner hour.

KFON, Long Beach, Calif. (232.4), 4:30-5 p. m., amusement bulletin; 6-6:30, organ recital, Brayton's theater; 7:30-9, Long Beach Municipal band.

KFWB, Hollywood, Calif. (252), 7 p. m., talk, Dr. T. Floyd Brown; 7:15, microphone brevities; 8-9, KFWB's Little symphony, Ray Bailey, leader; Bill Blake, tenor; 9-10, program, Don P. Smith, Inc., Diana-Moon dance orchestra; Sol Hoopii's Hawaiians; 10-11, Warner Brothers frolic, direction Charlie Wellman.

KGO, Oakland, Calif. (361.2), 4-5:30 p. m., concert orchestra, Hotel St. Francis; 5:30-6:30, George W. Ludlow, "Friend to Boys;" sea stories, Jane Isabel Curtis; 8, "A Scrap of Paper," KGO Players; Arion trio.

KGW, Portland, Ore. (491.5), 12:30-1:30 p. m., concert, Rose City trio; 6-7, dinner concert; 7:45-8, lecture, Catholic Truth society.

KHJ, Los Angeles, Calif. (405.2), 6-6:30 p. m., Leighton's Arcade cafeteria orchestra, Jack Cronshaw, leader; 6:30-7:30, history story, Prof. Hertzog; Dickie Brandon, screen juvenile; Joyce Coad, Jeanne de Bard and Uncle John; 8-10, program, Cochran Bros. Caswell Coffee quintet; 10-11, Don Clark's Biltmore hotel dance orchestra.

KJR, Seattle, Wash. (384.4), 10:30-11:30 a. m., Frederick and Nelson; music, Cornish school; talk, "Wash Material for Children's Play Suits," Grace Denny; 1-2, organ recital, Columbia theater; "What to prepare for tonight's dinner," Bernice Redington; 6-6:30, what's doing at the theaters; 6:45-7, the box office, Seattle theaters' doings; 7-8:30, program, Eureka mixed quartet; 8:30-10, Puget Sound Savings and Loan association orchestra, Henry Damski, director; 10:30-12, weekly meeting of "Keep Joy Radiating Order of Bats."

KMTR, Hollywood, Calif. (238), 5-6 p. m., home hour, Mammy Simmons and pupils of Carter Weaver in continuity program; 6-7, Starr Piano company studio; 8-10, The Turner orchestra, Loren Powell, directing.

KNX, Hollywood, Calif. (336.9), 5-5:30 p. m., Sunny Jim's talk; 5:30-6:15, Wurlitzer pipe organ studio; Town Tattler; 6:15, travel talk, W. F. Alder; 6:30-7, Atwater Kent concert orchestra; 7-8, program H. L. Crockett; Ilya Bronson, concert cellist; H. L. Crockett, baritone; 8-9, program, Willys-Overland dealers of Southern California; 9-10, program, M. Weinstein, dealer in precious stones; 10-11, Ray West's Cocoanut Grove dance orchestra from Ambassador hotel.

KPO, San Francisco, Calif. (428.3), 7-7:30 a. m., daily dozen exercises; 10, domestic science talk, Virginia Tappan; 10:30, "Ye Towne Cryer"; 12 n., reading of the Scriptures; 1-2 p. m., Rudy Seiger's Fairmont hotel orchestra; 2:30-3:30, matinee program; 3:30-4:30, Cyrus Trobbe's Palace hotel concert orchestra; 5:15-6:15, children's hour stories by Big Brother; 6:30, "Ye Towne Cryer"; 6:40-7, Waldemar Lind and the States restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel orchestra; 8-9, studio program; 9-10, Swiss singing society program; 10-11, Jack Coakley's Cabirians.

KPSN, Pasadena, Calif. (315.6), 8-9 p. m., Pasadena Chamber of Commerce.

KTAB, Oakland, Calif. (240), 9-9:30 a. m., prayer service, Rev. G. W. Phillips; 8-10, studio program.

Friday, January 22

Headliners Today

Eastern	Central	Mountain	Pacific
8 p. m.	7 p. m.	6 p. m.	5 p. m.
WFAA (475.9) Varied program.			
8:15	7:15	6:15	5:15
WGY (379.5) Tragedy, "Hamlet."			
8:30	7:30	6:30	5:30
WGR (319) Jack Little.			
9:15	8:15	7:15	6:15
WCCO (416.4) American Legion program.			
9:30	8:30	7:30	6:30
KOB (348.6) College band.			
WGR (319) Melodette ladies' orchestra.			
10	9	8	7
KOA (322.4) Songs and poems of Scotland.			
KTBS (374.8) Opera selections.			
WLIT (394.5) Morning Glory club concert.			
11	10	9	8
WSM (282.8) Golden Echo quartet, Negro spirituals.			
12 m.	11	10	9
KFI (467) Scotch comedian, joke contest.			

Friday, silent night for: CFAC, CHIC, CKNC, CKY, CNRC, CNRM, CNRO, CNRR, CNRW, KFEQ, KFKU, KFMQ, KFUO, KFWA, KFXF, KGO, KLDS, KPRC, KUOM, PWX, WAFD, WBBR, WCAD, WCBD, WEAO, WEBW, WGBS, WGST, WHAZ, WIP, WJAZ, WKAQ, WKRC, WLW, WRC, WREO, WRVA, WSAI, WSUI, WSMB, WTAM.

Eastern Time Stations

CNRA, Moncton, N. B., (291), 8 p. m., studio program, Mrs. George O. Spencer, soprano; Mrs. W. A. Fitch, contralto; E. Stuart Stubbs, tenor; George O. Spencer, bass; Mrs. P. A. Kerr, accompanist; 11, CNRA orchestra.

CNRT, Toronto, Canada (356.9), 6:30 p. m., Luigi Romanelli and his King Edward hotel concert orchestra; 9, songs of the east, Alfred Heather, director; Kathleen Irwin, pianist; Jessie Borthwick, contralto; John Detwiler, baritone; Florence McNair, soprano; 11, Luigi Romanelli and his King Edward hotel dance orchestra.

KDKA, Pittsburgh, Pa. (309.1), 10 a. m., domestic science and arts; 12:20 p. m., "The Development of Personality," Floyd Allport; 5:45, Auntie Jim's letter; 6:30, dinner concert; 8:15, "Radio Chat No. VI," George A. Scott.

WAHG, Richmond Hill, N. Y. (315.6), 12:03 p. m., musical program; 7:30, studio program; 7:45, Prof. Richard E. Mayne; 9-9:55, Richard Delmunzio, violinist; Louis Caton, tenor; 10:03, popular program; 10:20, Bernie Fletcher's orchestra.

WBZ, Springfield, Mass. (333.1), 6:30 p. m., KDKA; 7:30, "Appreciation of Music," Prof. John A. O'Shea; 8, Edwin J. McEnelly and his orchestra; 8:30, concert, group from Boston symphony orchestra; 9, "Whatdoyoucallit Club;" 10:05, Edwin J. McEnelly and his singing orchestra.

WCAP, Washington, D. C. (468.5), 6 p. m., Mozart string quintet; Hohner Harmony hour; Wardman Park Hotel Boernstein orchestra; popular setting-up exercises.

WCAU, Philadelphia, Pa. (278), 7:30 p. m., Clarence Seamen's concert orchestra; 8:15, chiropractic talk; 8:30, Singing Groundhog; 8:45, Carolyn Thomas and 437 American Radio Four; 9:15, recital; 9:30, Billy and his saxophone; 9:45, Ed Kiefer, Radio humorist; 10, Willie Horowitz, songs; 10:30, Jack Myers' Musical Architects.

WCX, Detroit, Mich. (516.9), 6 p. m., dinner concert, Book-Cadillac hotel; 9, studio concert; 10, dance music, Graystone ballroom.

WEAF, New York, N. Y. (491.5), 6:45-7 and 7:20 a. m., Tower health exercises; 10:45-12 n., Betty Crocker Gold Medal Flour home service talk; "A New Servant in the House," Frank E. Watts; Columbia university lecture on "Practical Household Arts"; 4-5 p. m., Adamo trio; Carl L. Sibert, tenor; "The Fish Hatchery at the Aquarium," Thomas H. A. Hawley; 6-12 m., dinner music, Hotel Waldorf-Astoria; "Sir Hobgoblin" talk, Blanche Elizabeth Wade; Beatrice Wickens, pianist; Happiness Candy boys; Eagle Neutrodyne trio; Spear and company home entertainers; Hohner Harmony hour; Ben Bernie and his Hotel Roosevelt orchestra.

WFI, Philadelphia, Pa. (394.5), 1 p. m., tea room orchestra; 3, recital; 6:30, Bellevue-Stratford concert orchestra; 7, Bellevue-Stratford hotel dance orchestra.

WGBS, New York, N. Y. (315.6), 10 a. m., timely talks; 10:10, June Warren, pianist; 10:20, fashion talk, Bertram Taylor; 10:30, June Warren, pianist; 10:50, June Warren; 1:30 p. m., Atlas string trio; 3:10, Negro spirituals, Leila Gardner; 6, Uncle Geebee; 6:30, Anzell's orchestra.

WGCP, New York, N. Y. (252), 12:30 p. m., race results; 3, Samuel Weber, blind pianist; 3:25, Hugo Angela, tenor; Lita Crittenden, soprano; 3:50, Samuel Weber; 4:10, Clarence Profit, pianist; 4:35, Jack Neal; 4:45, Charol de Thomee, pianist; 7, Janssen's orchestra; 7:30, studio program; 8, health talk; 8:15, studio program.

WGR, Buffalo, N. Y. (319), 2:30 p. m., WGR afternoon program; 6:30, Clef trio and Jack Little; 7:30, jointly with WEAF, children's stories, Blanche Elizabeth Wade; 8:30-9, Jack Little; 9, jointly with WEAF, Hohner Harmony program; 9:30, Melodette ladies' orchestra; 10:30, Hewitt Humorists, Hewitt Rubber company; 11-1 a. m., Vincent Lopez's Hotel Statler dance orchestra, Harold Gieser, director.

WGY, Schenectady, N. Y. (379.5), 2 p. m., Asia restaurant orchestra; 2:30, music; health notes, Dr. C. W. Woodall; one-act play, "The Code of Honor," WGY matinee players; 6:30, Sunday school lesson; 7, dinner program, Eastman theater, WHAM; 7:30, health talk; 7:40, French by Radio, Leon A. Huguemont; 8:15, tragedy, "Hamlet," WGY players; 10:30, WGY orchestra, Ellsworth Page, basso, soloist.

WHAR, Atlantic City, N. J. (275), 2 p. m., Seaside hotel trio; 8, Seaside hotel trio; 11:15, Strand theater organ recital.

WHN, New York, N. Y. (361.2), 6 p. m., Littmann's dinner music; 6:30, Daddy Dingle and his jingle machine; 6:45, Littmann's dinner music; 7, Harry Richman and his entertainers; 7:30, Melody club orchestra; 10, Roseland dance orchestra; 10:30, Everglades orchestra; 12-12:30 a. m., Silver Slipper orchestra.

WIP, Philadelphia, Pa. (508.2), 6:45 a. m., setting-up exercises; 7, setting-up exercises; 1 p. m., Gimbel tea room orchestra; 3, artists' recital; 6:05, Benjamin Franklin concert orchestra; 7, Uncle Wip's bedtime stories.

WKAR, E. Lansing, Mich. (285.5), 7:15-8 p. m., "Wheat and Chaff," H. C. Rather; "Crop Production in Michigan," J. F. Cox; "Plant Breeding at the Michigan Experiment Station," E. E. Down; "A County Crop Program," John Sims; 8-9, health department.

WLIT, Philadelphia, Pa. (394.5), 12:02 p. m., daily almanac; Stanley theater organ recital; Arcadia cafe concert orchestra; 2, Arcadia cafe concert orchestra; playlet; 7:30, Dream Daddy's bedtime stories; Sunbeam party; 8:30, Pablo Casals, cellist; 10, Morning Glory club concert; Arcadia cafe dance orchestra; Rufus and Rastus; Sam Gold and his Nuggets.

WNYC, New York, N. Y. (526), 6:30 p. m., French lessons; 7:35, resume of meeting of board of estimates; 8, recital, Herman Newman; 8:30, Rudolph Joskowitz, violinist; 9, string ensemble; 10:10, lecture, Carter Troop.

WOO, Philadelphia, Pa. (508.2), 11 a. m., organ recital; 12:02 p. m., Golden's Crystal tea room orchestra; 4:45, organ recital; 7:30, "Sir Hobgoblin" by Blanche Wade; 7:45, Ritz-Carlton orchestra; 8:15, WOO orchestra; 9:25, Fox theater orchestra; 11, Ritz-Carlton dance orchestra.

WOR, Newark, N. J. (405.2), 6:15 p. m., "Words Often Mispronounced"; 6:17, sports, Bill Wathey; 6:30-7, Man in the Moon stories; 7, Jacques Jacobs' Hotel Shelton ensemble.

WRC, Washington, D. C. (468.5), 10 a. m., women's hour; 12 m., organ recital, Otto F. Beck; 1 p. m., Meyer Davis' New Willard hotel orchestra; 3:30, U. S. Marine band; 5, Hotel Lafayette trio.

WTAG, Worcester, Mass. (268), 10:30 a. m., musical selections; 10:45, "Food Hints," Mildred C. Thomas; 12:05-2 p. m., WTAG orchestra; 3-5, tea dansant, WTAG orchestra; 7:10, Twinkle Twinkle story teller; 7:30-7:45, stories, Blanche Elizabeth Wade; 7:45, mechanics of speech, Meta B. Wade; 8, travel talk, travel editor, Worcester Telegram; 8:30, current events for people, Gwendoline Albee; 8:45, program.

WTAM, Cleveland, Ohio (389.4), 12:15-1:15 p. m., Guy Lombardo and his Royal Canadians; 6-7, Carl Rupp and his Hotel Hollenden orchestra.

WTIC, Hartford, Conn. (475.9), 11 a. m., talk, "Eating Disease Germs," Dr. Millard Knowlton; 11:15, morning topics; 11:30, WTIC's housewives' forum, Mrs. J. M. Dean; 12:05 p. m., luncheon music; 6:30, dinner concert; 8, medical talk; 8:15, musical program; 10:15, theater review; 10:30, popular program; 11, dance orchestra.

WWJ, Detroit, Mich. (352.7), 9:30 a. m., tonight's dinner; talk by the woman's editor; 12:05, Jules Klein's Hotel Statler orchestra; 3, Detroit News orchestra; 6, dinner concert; 8, News orchestra and soloists; 9, dance program.

Central Time Stations

KFKX, Hastings, Nebr. (288.3), 1 p. m., Special farm service day; 5:30, KDKA dinner concert; 9, vocal and instrumental musical numbers; Gas House quartet, instrumentalists.

KFVE, University City, Mo. (240), 9:15 p. m., amusement review, Romaine Fielding; Mae Miller, soprano; Mrs. Gertrude Watson, accompanist.

KLDS, Independence, Mo. (441), 6:30 a. m., morning devotional service.

KMA, Shenandoah, Iowa (252), 11:30-12:30 p. m., noonday rural program; seed talk, Earl E. May; music; talk, G. H. Van Houten; 6-7, How do you do Boys; Grady and Doc., Auntie Blossom and the Slumber boat; 9-11, Council Bluffs entertainers.

KMMJ, Clay Center, Nebr. (228.9), p. m., local home talent; 1:30, factory and office program.

KPRC, Houston, Tex. (296.8), 12 m., Frank Tilton, pianist.

KSAC, Manhattan, Kan. (340.7), 9-9:25 a. m., music; inspirational talks, agricultural primer, calisthenics; 9:55-10:25, readings, question box, planning today's meals; 12:35-1:05 p. m., readings, question box; "Furnace Heating," Walter G. Ward; "Long vs Short Cane Systems of Grape Pruning," W. R. Martin; 4:30-5, lessons in color design; 6:30-7:30, travelog; vocational education, Extension credit course; "Next Steps in Rural Community Development," Walter H. Burr; "Great Physicists' Contribution to Modern Life," E. K. Chapin.

KSD, St. Louis, Mo. (545.1), 7 p. m., "Fur Hour," Elmer Lutz, tenor; 7:30, Ladies' quartet; 8:30, commerce hour; John Halk, violinist.

KSO, Clarinda, Iowa (241.8), 7-7:30 p. m., farm talks; 7:30-9, orchestra, Ralph Yehle, director.

KTHS, Hot Springs National Park, Ark. (374.8), 12:30-1:30 p. m., Farmers Radio chautauqua; 9-9:30, New Arlington hotel grand ensemble; 9:30-10:30, Eastman hotel orchestra; 10:30-11, Lon Chassy, violinist.

KYW, Chicago, Ill. (536), 6:30-7 a. m., morning exercises, Paul A. Leonhard; 7:30, morning family worship, Y. M. C. A; 11:15, talk, John C. Cutting; 11:35, table talk, Mrs. Anna J. Peterson, Peoples Gas company; 1, nooday concert, luncheon concert, Congress hotel; 6, dinner music, KDKA; 7:05, bedtime story, Walter Wilson; 9, music hour; 10-12:30, midnight revue, Hearst square; 10, Paul Ash McVickers theater; 10:40-11:10, Coon-Sanders original Nighthawks; 12, Henri A. Keates, organlogue; 1 a. m., Insomnia club, Coon-Sanders Original Nighthawks.

WAMD, Minneapolis, Minn. (243.8), 12 n., musical program: Ella Sundstrom Pendleton, soprano, L. V. Koos, accompanist; Ted Johnson, violinist, Oscar Westlund, accompanist; Charles Sandberg, baritone; 7:05 p. m., talk; 7:10, Minneapolis public school hour, T. P. Giddings, director; Jefferson junior high school orchestra, operetta, Nell Wesely, director; 11, Skyrocket frolic, George Osborn's Hotel Radisson Skyrockets.

WBBM, Chicago, Ill. (226), 4-6 p. m., Valentino inn orchestra; artists; 8-10, Tip trio; Moulin Rouge orchestra; artists.

WBCN, Chicago, Ill. (266), 10-10:30 a. m., Penny Wise, "The Shopper's Ready Helper," shopping talk; 5-5:15 p. m., police bulletins; 7-8, Fireside hour, WBCN hobby club; George R. Cleveland, "Big Boy" Yagle, pianist; Will Rossiter, "The Daddy of the Song Publishers," tenor and songwriter; Harold Johnson, boy xylophonist; 10-12 m., request program; Midway dancing gardens orchestra; Eddie Matts and Billy Donovan, tenor and pianist; West End Harmony boys, instrumental duo; Ed. Dempsey, "The Silken-Voiced Tenor," Alice McMahon, contralto; "The Boy" Yagle, pianologist.

WCCO, Minneapolis-St. Paul, Minn. (416.4), 10:45 a. m., "Pour into the Crust and Bake," Betty Crocker; 12 m., Dick Long's Dayton trio; 2 p. m., women's hour; 2:30, Dick Long's Nankin cafe orchestra; 4, readers' club, Mrs. Walter Stevens; 5:30, Court of Gold Medal; 6:15, Biley's St. Paul hotel concert orchestra; 8, health talk, Minnesota State Medical association, Olmstead County Medical society; 8:15, Minnesota Post, American legion; 11, Arnold Frank's St. Paul hotel orchestra.

WDAF, Kansas City, Mo. (365.6), 10:45-11 a. m., Betty Crocker in home service talk; 6-7, The Tell-Me-a-Story lady; address; The Trianon ensemble; 8-9:30, around the town with WDAF; 11:45-1, The Plantation players; Eddie Kuhn's orchestra.

WDOD, Chattanooga, Tenn. (256), 6:30-7 p. m., organ music, Tivoli theater; 7-8, Hotel Patten orchestra; 8:15, special features and program; 11, popular requests.

WEBH, Chicago, Ill. (370.2), 11:30-12 m., woman's half hour; 3-4 p. m., features; 7-8, Oriole orchestra; Pauline Sachs, soprano; Eleanor Kaplan, violinist; 9-10, Oriole orchestra; WEBH Light Opera company; 11-11:15, Oriole orchestra; 11:15-12:30, Irene Beasley, Jack Penewell, Fred Paimiter.

WENR, Chicago, Ill. (266), 6-7 p. m., dinner concert; Rauland-Lyric trio; Eric Sagerquist; violinist, soprano solos; 8-10, popular program; All-American Pioneers; Harmony four; George Moran and Bill Alt, Hawaiian guitar selections; Jack Todd, baritone; 12-2 a. m., Frank Westphal and his All-American Pioneers; Rita McFawn and Mary Bleber; violin solos; Jim Beaumont, banjoist; Art Bilquist, popular songs.

WFAA, Dallas, Texas (475.9), 12:30-1 p. m., Dr. Horace M. Whaling, Sunday school lesson; music; 3:30-4, Sears-Roebuck agricultural foundation homemakers' program; 4:30-5, woman's hour, literary review; 6:30-7:30, Alfonso Trent's orchestra; 7-10, varied program.

WGES, Oak Park, Ill. (250), 5-7 p. m., Lydia Werner, soprano; John Brown, pianist; Katherine Gray, contralto; Edwin Kemp, tenor; Tiffin theater organ and orchestra; 8-9, Thomas Pappas, accordion; Tiffin theater organ and orchestra; John Stamford, tenor; McDevitt sisters, vocal duo; 11-1 a. m., Remington Welch, organist; Parish and Ward; Sandy McTavish, Scotch comedian; Bebb and Cameron, duettists; Thomas Pappas, accordionist.

WGN, Chicago, Ill. (302.8), 11-11:30 a. m., household hints; 11:30-12, fashion discussion; 12-12:40, public service period; 12:40-2:30, luncheon concert, Drake concert ensemble and Blackstone string quintet; 2:30-3, Lyon and Healy artist series; 3-3:25, public service period; 3:25-3:30, Port O'Missing men; 3:30-4:15, tea time music, Marshall Field's tea room orchestra; 4:30-5, organ recital, Edward Benedict; 5:30-5:57, Skeezix time; 6:30-7, dinner concert, Drake concert ensemble and Blackstone string quintet; 8-9, music hour, Drake concert ensemble and vocal artists; 9-10, Ford program, WEAF; 10-11, dance program.

WHAD, Milwaukee, Wis. (275), 11 a. m., pianolog, Andy Hertel; 4 p. m., Ira Schnell, baritone; 6-7, Arthur Richter, organist; 7, Bill Jubie's Radio Cartoon game; 8:30-10, Wisconsin theater revue; 35-piece Wisconsin theater concert orchestra; Dexter's Wisconsin roof orchestra.

WHAS, Louisville, Ky. (399.8), 1-2 p. m., Royal Peacock orchestra; 3-3:30, Mrs. Myrtle Fulks Zahn, Jr., organist; 4-5, musical selections, Harry S. Currie, director; editorials; 7:30-9, glee club, Ashbury college civil service talk, O. A. Beckman.

WHB, Kansas City, Mo. (365.6), 2-3 p. m., Sweeney Radio trio; 7-8, Sweeney Radio orchestra.

WHO, Des Moines, Iowa (526), 7:30-9 p. m., Helen Smith, whistler; Alex Lindbloom, violinist; Stewart Watson, baritone; Vernon Sheffield, pianist; Myrtle Williams, soprano; 11-12, Bankers Life Corn Sugar orchestra.

WHT, Chicago, Ill. (399.8), 10 a. m., Jean Sargent's program, woman's club, Jelke Good Luck girl, studio features; 10:45, Betty Crocker home service; 11, special studio features; 12 n., Al Carney's complimentary organ hour; 1-2 p. m., special studio program, Gray-

(Continued on page 28)

STATIONS IN ORDER OF WAVE LENGTHS USED

Meters	Call	Meters	Call	Meters	Call	Meters	Call	Meters	Call	Meters	Call
217.3	WOK	275	WHAR	305.9	WJAR	361.2	KGO	406	WBAR	468.5	WRC
226	WBBM	275	WORD	309.1	KDKA	361.2	WHN	410.7	CKAC	475.9	WBAP
226	WIBO	275.3	WJAS	315.6	KFDM	365.6	WDAF	416.4	WCCO	475.9	WTIC
240	KFVE	278	KOIL	315.6	WAHG	365.6	WHB	421	KIAF	475.9	WFAA
240	KTAB	278	WCAU	315.6	WGBS	370.2	WEBH	422.3	WLW	480	CYL
240	WOAX	278	WGBU	319	WGR	370.2	WJJD	422.3	WKRC	483.6	WOC
246	WBAL	278	WOQ	319	WSMB	374.8	KTHS	428.3	WSB	483.6	WSUI
250	WGES	280.2	WNAC	322.4	KOA	379.5	WGY	428.3	KPO	491.5	KGW
250	WMBB	282.8	WOAN	322.4	WJAZ	379.5	WHAZ	434.5	CNRO	491.5	WEAF
252	KFWB	282.8	WSM	325.9	WSAI	384.4	CKY	434.5	NAA	499.7	WMC
252	WGCP	285.5	WKAR	333.1	WBZ	384.4	KJR	434.5	CFCN	508.2	KLX
265.6	WMAK	285.5	WREO	336.9	KNX	384.4	WMBF	435	AT9	508.2	WIP
266	KFNF	288.3	KFKX	337	KFMX	389.4	WEAR	440.9	KLDS	508.2	WOO
266	WBCN	288.3	WLWL	340.7	KFAB	389.4	WTAM	440.9	WDWF	516.9	CJCA
266	WGHB	293.9	KTBI	340.7	WKAQ	394.5	WFI	440.9	WOS	516.9	WCX
268	WTAG	293.9	WEAO	340.7	WMCA	394.5	WLIT	447.5	WMAQ	516.9	WJR
270	WGHP	296.9	KPRC	344.6	WCBD	394.5	WOAI	447.5	WQJ	526	WHO
272.6	WBBR	299.8	KFMQ	344.6	WLS	399.8	WHAS	454.3	KFOA	526	WNYC
273	KWKH	299.8	KSL	348.6	KOB	399.8	WHT	454.3	WJZ	526	WOAW
272.6	WEBJ	299.8	WPG	348.6	KWSC	400	PWX	455	KTW	535.4	KYW
272.6	WFBH	302.8	WGN	348.6	WEEI	405.2	KHJ	461.3	WCAE	535.4	WHA
273	WRW	302.8	WLIB	352.7	WWJ	405.2	WJY	467	KFI	545.1	KFUO
275	WHAD	305.9	KTCL	356.9	CKNC	405.2	WOR	468.5	WCAP	545.1	KSD

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Peace and Universal Language

THE great moment is soon to be! Our friends in Europe beginning Sunday, January 24, will attempt to make themselves heard on this continent by means of Radio broadcasting. It has been done before, true, but this year the project will be eminently more successful.

Conditions are better. Stations in the United States, Canada and Mexico are almost universally agreeing to keep silent as asked by the International Radio Week committee. Even the Pacific coast broadcasters have, according to last reports, finally agreed not to ruin selfishly the sport of many nations. Greater power will be used by the many more European stations than participated last year. Several score of English, French, German, Spanish and Italian broadcasters are now capable of being heard in America when American stations using the same wave lengths remain silent. A year ago, the number of European stations able to cross the ocean satisfactorily was limited to less than half a score.

What will international broadcasting, when realized as an everyday occurrence, mean to the world? To answer this effectively and have the prediction carry truth and weight, takes considerable thought.

One idea we have is that the exchange of programs and thoughts across the international boundry lines some time in the future is going to be the strongest force for world peace we have ever known. Most wars are caused by misunderstandings. Often these are so slight as to be classed ridiculous. If we, therefore, understand our cousins and friends of other countries—know his problems and his mode of living—we are going to be less inclined to start killing and maiming him and his brother citizens.

What we do not understand, we fear.

The child fears the dark because it cannot comprehend its meaning. Savage tribes are frightened to hysterics by an eclipse of the sun.

When we understand, we do not fear, be the object darkness, eclipses or other nations.

Another thought is that of a universal language. What will it be? Can French fill the requirements? It is the language of diplomats of all civilized countries. Will the public learn to use the language of France?

No, we believe that French can never become the tongue of the world. More than likely it will be English, for the United States, England and Canada are broadcasting nightly to the world. They are broadcasting with so many more powerful stations than the rest of the world put together. Six to seven hundred broadcasters are operated by English speaking nations. Not over one hundred broadcasting stations are operated by all the other nations of the world.

English is destined, as long as this superior leadership continues, to become the broadcast tongue of the world. It will be through the medium of English that mutual understandings of peoples of other lands will be created. English may change slightly in the transfusion, but not much. English is already a melting pot language.

We are cognizant that while English is spoken daily by 160 millions of people, Chinese is the only language of over 400 millions, but we are hopeful. If it is possible, by international Radio broadcasting, to permeate English through the ears of Germany, Russia, France, Spain, Italy, Portugal, Sweden, Norway, Croatia, Bohemia, Czecho-Slovakia, Bulgaria, Holland, Poland and Greece—seventeen nations—then 470 millions of people would comprehend our language.

If China, India and Japan knew our tongue, 550 million could be added to the total. The immense total population of these three Asiatic countries gives birth to the idea that perhaps it wouldn't be a bad scheme for the English nations to erect relay or originating broadcasting stations in those countries and further the use of English.

Yes, the international broadcasts, once and still somewhat of a stunt and novelty, are going to be a most commonplace happening, and their ability to bring about world peace and a universal language is very promising.

RADIO INDI-GEST

When Waves Roll In

(With Apologies)

There's a glorious, tickly feelin',
Kinda vergin' on divine,
When the new set's all connected
And you've strung the long clothes line.

There's a thrill no other instrument
Can ever make you feel,
When you turn the knobs expectantly
And hear a howl and squeal.

But the joy supreme is findin'—
Let no artist dare to scorn—
That the waves are in the ether,
And there's music in the horn.

WILL I?

Should Teach the Horses

Dear Indi: So WCAU, Philadelphia, is going to broadcast horseback riding lessons? That should be made a feature of the International transmission tests. Build up foreign friendships. The Prince of Wales ought to fall for that.

IDA HOE.

Well, there are two sides to the question and it's pretty hard to stick to either one, so why not be considerate? You know the Prince is under trying circumstances.

And the Show Starts Right Away

Dear Indi: Here it is again! Bet you're thankful—WHAT—you don't know what I'm talking about? Canyuimajun that? Why the All-Star-American program, of course. It's designed especially for internationally-inclined stations to shoot across the ocean for the benefit of our cousins overseas. Show 'em what a swell country we have. Read it and vote the straight All-Star-American ticket:

I.
Address, "How to Buy a Pardon or Parole"
.....Gov. Len Small of Illinois
II.
Duet, "Miserere" from "Il Trovatore"
.....Nicky Arnstein and Fanny Brice
III.
Lecture, "How to Hold the Gun When Shooting Husbands".....W. C. T. U.
IV.
Lobby solo, "The Flying Dutchman".....Edward Bok
Accompanied at the money box by Senator Norris
V.
Close Harmony, a duet.....
.....Al Smith and Wm. Randolph Hearst
VI.
"Come Over and Play in Our Yard," mixed chorus
.....League of Nations
VII.
Talk, "What the Farmer Doesn't Want"
.....Pres. Cal Coolidge
VIII.
"Remember," solo.....Dicky Loeb
Accompanied by Nathan Leopold, in Joliet costumes
IX.
"Never Cripple, Always Kill Pedestrians So They Can't Sue".....Am. Automobile Assn. & Yellow Cab Co.
X.
"But You Gotta Know How," drinking song.....
District 13, Chief Prohibition Agent, Ed Yellowley
XI.
Booster Talk, "Chicago Autos, Gunmen, Poison Liquor etc., Kill More People Annually than the population of Florida Taken from the Florida Ads".....
.....Chicago Assn. of Commerce
XII.
Hymn, "Higher, Oh Raise Me".....
.....U. S. Assn. Skirt Manufacturers
Finale
"My Country Tis of Thee".....
.....by the Mixed Assortment Above

AN ILL NOISE ANN

Why not add, "Wings of the Mourning," from Schillings, by the Army Court Martial ensemble?

NIGHT

Thrilled am I to thus speak out into the night,
O silence infinite . . . . . mysterious night!
Over ethereal paths of celestial pageantry
Vibrating in a mystic lovely unknown light
The dim light cast by nocturnal skies
O'er dreamy worlds amidst the silence deep
Messages on the wings of thought flying
Piercing the darkness and the shades of sleep.

I am living o'er a century this hour
While slowly the wheels of silence wind
Where currents of life vibrate o'er the spheres;
Thoughts terrestrial hold me and I find
Myself in cosmic consciousness
Beyond the mortal edge in unknown lands;
O silence infinite . . . . . mysterious night!
God watches over all He understands.

RHEA SHELDON.

Just a Little Justice

Dear Indi: I see in last week's issue that Betty Crocker is going to give a talk on "Biscuits and Variations." What I want to know is, will the law protect me if I make my wife wear ear muffs during the program. She knows too much about variations from biscuits now. Her biscuits always vary—from bad to worse.

PTOMAINE

We're not so sure about the law, but almost any twelve men who have been through that stage of indigestion will. Take a chance, it's worth it.

The Finale

Condensed

BY DIELECTRIC

Station WMC, Memphis, Tenn., incorporates in the dance programs broadcast from their studio most of the modern numbers to be heard these days, and judging from the announcer's statements between selections a great many folk listen to them. This station does acknowledge telegraphic bouquets but consumes less time in doing so than most any station I know of. That is an example to follow.

Tuning in Station WEAO, station of the University of Ohio, an evening's pleasure was well-nigh complete. The directors of that station have been successful in controlling their modulation so as to transmit features with a great deal of fidelity. On the particular evening in mind a concert comprising selections played on the University's chimes made one loath to pass on. Granting the possibility of these being somewhat superior, their tone as received in my set was beautiful. We must not overlook the skill of the player.

The oratorio of the Messiah was broadcast by numerous stations with more or less effectiveness. Repetition, rather prolific in this work, does not become boresome where the choruses are well trained by directors who introduce a variety of phrasing. Such was the noticeable case of the production sung at WOC, Davenport, recently. The listeners' satisfaction was the more complete due to the accompaniment provided by the Palmer little symphony orchestra (another little symphony organization). Applause is due the soloists of the evening also.

Station WHO, Des Moines, arranged programs of Christmas music which were very pleasing and no doubt enjoyed by an extensive audience. The mere fact that the writer of this column was pleased signifies little, of course, so it behooves you who listened to their music to write the station expressing satisfaction—if that was felt—or adverse criticism, if you can specify the faults you consider existed. Criticism is always invaluable, where it is constructive, and especially so to Dielectric, who appreciates your comments on his efforts to properly evaluate (after years of musical experience and criticism) that which is heard by him. After all, critics differ even in their appraisal of outstanding artists. We are all human, you know.

Certainly all lovers of symphony music feel indebted to the sponsors of the broadcasting of the New York Philharmonic society's concerts, one of which was performed a short time ago and known as one of the students' series. While this was performed in Carnegie's hall, New York, and broadcast through Station WJZ, with the great power used by this station, no one could sense the artificial mediums making possible such music in our homes. Here is a body of musicians schooled in the classics and directed by leaders with international reputations.

Listeners in on the Atlantic coast boast now and then of their success in pulling in one of the California broadcasters, but the number is rather limited, comparatively speaking. To facilitate a larger audience getting Pacific programs, KFI, Los Angeles, arranged to have five broadcasting stations scattered across the country rebroadcast on a certain evening. My personal experience with this test was to find KFKX, Hastings; WOC, Davenport, and WHO, Des Moines, producing the best results. WGY, Schenectady, was foggy and of course faded miserably. Making a comparison with KFI itself during the singing by a coloratura soprano, KFKX and WOC most nearly approached the original.

ABC Radio Fundamentals for Everybody

Chapter II—Inter-Relation of Radio to Audio Telephony

By Milo Gurney

IN ORDER to complete our understanding of the close relationship existing between wire telephony and audio telephony, we have only to associate the fact that voice telephony uses air as the medium and wire telephony uses wire. Wire telephony has been shown to be identical with audio telephony, with the exception that an electric current, rather than the sound itself, was flowing through the connecting wires. This current in turn actuates purely mechanical devices capable of reproducing the wave form of the sound in the receiver.

Recognizing Air Surges

Of even greater interest to the reader is a more careful study of figure 1, shown in last week's article. In that drawing, it is evident that even an experienced eye could not judge or comprehend it as other than an artist's conception of varying air surges. Likewise, it is also apparent that the radiating spheres possess no intelligent meaning to the eye. Were it possible to convert this picture of air surges into vibrations the ear would, in turn, readily recognize them. Hence, as

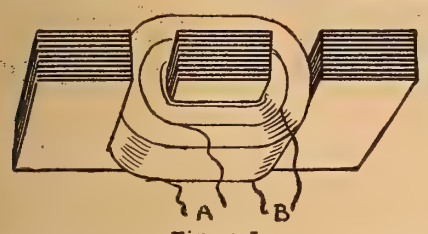


Figure 5

an object is identified through the application of definite, unchangeable optical laws, in like manner is a succession of moulded air surges identified through the basic vibratory laws.

In modern telephone practice, refinements of both the means for signaling and transmission are continually taking place. However, such improvements have not, or cannot, alter the fundamental laws governing telephony in any particular.

A Connecting Circuit

Some few of my readers will dispute figure 3 as not correct because it does not solve the problem of duplex or two-way conversations. Figure 4 (page 24) is therefore given as typical of the circuit used for duplex telephony. It comprises two of the circuits shown in figure 3 and a third, or connecting circuit, between them. With this arrangement, the receivers are connected together, the transmitters at either end of the line comprising individual circuits. As no physical or mechanical connection exists between any two of the three, then, to all intents and purposes, the completed circuit becomes an actual wireless circuit. We may, with all fair-

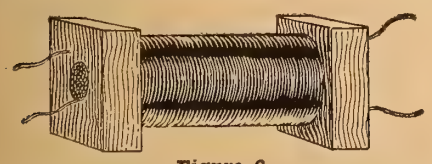


Figure 6

ness, consider the two outer circuits as broadcast transmitters, the central circuit comprising two receivers. The writer is of the belief that had this phenomena of voice transmission been properly exploited at its inception, as a discovery in wireless telephony, it would have created a furore not unlike that which Radio profited by.

Let us now return to figure 4 and trace this most interesting circuit, which makes possible two-way or duplex telephony. In figure 5 is shown the two windings comprising an audio frequency transformer as used in Radio receivers. These windings are placed over one another and separated with a compound which thoroughly insulates each winding from the other. The laminated core upon which the windings are pictured as mounted, having no bearing upon our present discussion, will not be considered, while figure 6 is included to show the type of audio transformer use in wire telephony, and which is termed an induction coil.

It will be noted that the circuits at either end of figure 4 are but duplicates of figure 3 with the receiver omitted, while the center circuit of figure 4 has, in effect, taken the receiver from the circuit show in figure 3 and inserted them in this circuit and in series with one of the windings of each of the coupling transformers. Going a step farther, we also note that in place of the receiver which was originally a part of figure 3, we have substituted the remaining winding of each of the transformers.

Gap Must Be Bridged

In order to make myself more clear, may I call your attention to the fact that neither of the three circuits have any mechanical or conductive connection each to the other, as we may ignore the vertical lines shown in figure 4. They merely represent the laminated core used in the transformers. It then follows, as pre-

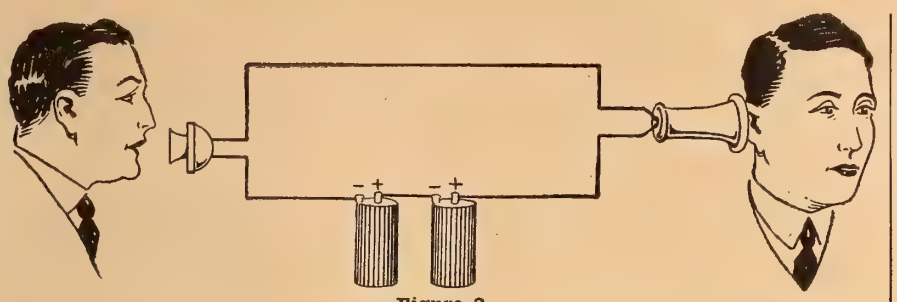


Figure 3

viously stated, that in order for communication to be established, the gap or distance between the windings of each transformer must be jumped or bridged through the medium of the air or some agency undiscernible and closely related to it.

Hence duplex telephony is virtually but another form of wireless communication with which the public has not been concerned because of its having become one of life's necessities.

Radio More Complex

While the relation of wire to audio telephony is comparatively easily understood, the relation which Radio bears to each is somewhat more complex, except as we reverse the process of explanation. In doing so, I shall offer a discussion of the medium which Radio uses to span great areas or distances, which in this instance is light or the electromagnetic wave.

The nature of light has created much speculation. Physically, it appears as a ripple in a substance called ether. But this is of doubtful existence. Yet, admitting this uncertainty, the substance is of value toward the explanation of light waves. That light waves resemble sound waves, as ever expanding spheres, is readily recognized if we but visualize that the light from an ordinary lamp will shine equally in all directions, as will a sound wave, from a given source, penetrate equally over a like area.

While each is capable of being directed,

(Continued on page 24)

No More "B" Batteries on Your Radio

At last, a practical reliable "B" battery eliminator for your radio. Does away with "B" batteries; no charging; no replacing. Always 100% efficiency in "B" current. The most revolutionary development in radio.

U.S. PAT. MAY 27, 1924

Genuine Fansteel
Balkite "B" Eliminator
Sent for Only
$1.00 *Down*

The Balkite "B" is connected to your radio just like "B" batteries and attached to an ordinary electric light socket. Replaces "B" batteries entirely and furnishes "B" current direct from regular house lighting current. Always gives current equal to four new and fresh 22½ Volt dry "B" batteries. For sets of five tubes or less. Simplifies radio receiving. More convenient, more economical and more efficient than dry or wet "B" batteries. Operates storage battery or dry cell tubes and gives tubes longer life. Entirely noiseless. Creates no disturbance in reception. Has no bulbs, nothing to break, wear out, replace or get out of order. Requires no change in your set, no extras to buy. Operates from 110-120 AC, 60 cycle current. Measures 8 3-16 inches by 8 inches by 3¼ inches. Current costs only 1-20 of a cent per hour.

$5.00 a Month, if satisfied after trial

Only $1.00 with the coupon below brings the Balkite "B" to your home on trial. Try it out thoroughly before you pay another penny. See how it improves reception. See how much more convenient than using batteries. Judge for yourself how it will save you money and make your radio set more enjoyable. Then, if not satisfied, send it back at our expense and we'll refund your $1.00 plus all transportation charges. If you decide to keep the Balkite "B," start paying only $5.00 a month until you have paid the total price of only $35.00. That's the price others ask for spot cash. We give you the lowest cash price on easy monthly payments you will never feel.

Send Coupon

Don't miss this opportunity to get the genuine Balkite "B" at the rock-bottom cash price on easy monthly payments. Send coupon now while this offer lasts. **Order by No. Y-8578A, $1.00 with coupon; $5.00 a month; total price $35.00.**

STRAUS & SCHRAM
Dept. R4411 Chicago, Ill.

STRAUS & SCHRAM, Dept. R4411 Chicago

Enclosed find $1.00. Ship special advertised Balkite "B" Battery Eliminator. I am to have 30 days free trial. If I keep it, I will pay you $5.00 monthly. If not satisfied, I am to return it within 30 days and you are to refund my money and any express charges I paid.

Balkite "B" Battery Eliminator, No. Y8578A, $35.00

Name.....

St., R. F. D. or Box No......

Shipping Point.....

Post Office.....*State*.....

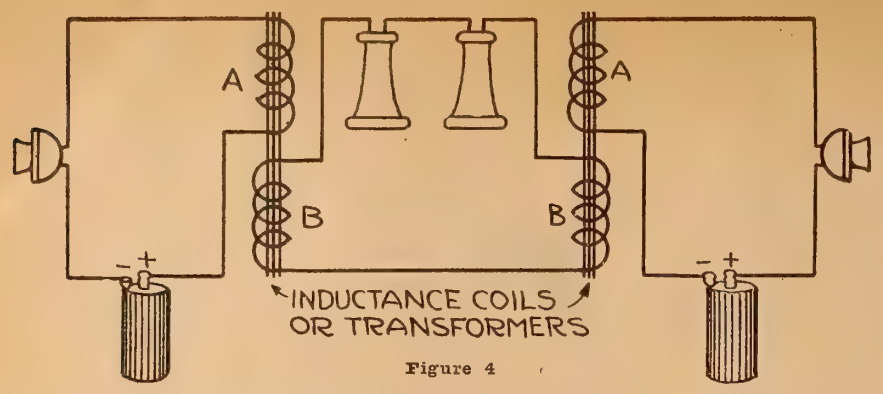


Figure 4

A B C'S OF RADIO SETS

(Continued from page 23)

through the application of mechanical means, and the resemblance is complete, yet each differs in the disturbance created. As has been previously explained, sound waves comprise spheres of condensation and expansion. On the other hand, light waves can be shown to be spheres of electric or electromagnetic forces.

Light and Radio Have Same Speed

Light travels 186,000 miles a second, or 300,000 kilometers, but of greater interest is the somewhat startling fact that Radio waves travel at a like velocity. Light waves of varying colors are produced wherever electrical charges vibrate, examples being the X-Ray, violet, green and red, some of which are decernable to the naked eye. All may be photographed.

As it is evident that this particular portion of my explanation relative to Radio waves being comparable to light waves will carry on into my next article, it appears as expedient that I, at this point, answer the one question most often asked by the novice. "What is meant by the term 'wave lengths,' and what is meant by the term 'meter?'" In order to answer this compound question, it seems essential that I answer it backwards.

Definition of Wave Lengths

The definition of the word "meter" has not changed a ten-thousandth part of an inch since each of us went to school. Without reference to the French metric system of measurements, of which it is a part, one may define it as equal to 39.37-inches. This of itself is meaningless as an explanation of what is meant when a station advises that it broadcasts upon a given wave length, which, for illustrative purposes, we will assume is 360 meters. May we then go a step further through determining the number of inches equaling 360 meters. This is but a problem in multiplication. The results shows that 360 meters is equal to 1,181.1 feet. Unlike the electric current used in wire telephony, that used for broadcasting is alternating in character, rather than continuous. These reversals of current flow are, however, so rapid that they appear as continuous. With each reversal a wave is released, similar in anology to the ripple which follows along a rope which is swung at one end, the other end being fastened to some object. These ripples as they follow each other are known as crests, and the time interval between each crest determines its wave or crest length. The composite answer is that a station broadcasting upon a wave length of 360 meters has so timed each impulse from its transmission as to allow each succeeding wave or impulse to travel 1,181.1 feet before the next impulse is released. In other words, the time interval is that period of time which is consumed for each wave to travel the above mentioned distance.

Simple, is it not? Yet how perplexing until explained, which reminds me of the little school boy who complained that his teacher didn't know anything, because she was continually asking him questions.

Next week, Mr. Gurney will continue his interesting discussion of the relation between Radio and its associates, audio and wire telephony.—Editor's Note.

TESTS WILL AID PEACE

(Continued from page 4)

means to furnish a telephone service from one country to another, and from all countries to each other.

"'For example,' said Mr. Burrows, 'if London wants a Bohemian program, the directors of programs in England do not have to try to arrange it and furnish it to their public—we simply hook up a line with Bohemia and give the English public a real Bohemian program with all native color direct.'"

And, of course, the same idea would work out just as well with Germany where the Radio broadcasting is restricted quite particularly to the opera and classical music in general. The Germans have been working industriously to develop equipment capable of receiving American programs. They expect to accomplish this result during the international broadcasting week.

Is it not conceivable that all the nations which participated in the world war might have found a way out of the conflagration if the millions of citizenry could have established an international comraderie through the Radio in the preceding years?

International interest in Radio would lead to a desire to understand the languages of other countries. Such languages could be taught over the Radio as they are now being taught in America. A better understanding of the languages would lead to a better understanding of the nations the languages represent because the listener would be interested in broadcasts coming from that country and such broadcasts naturally would present the viewpoint of that nation. An understanding of the language would lead to an interest in the literature and periodicals of a foreign country. All peoples would feel more neighborly, regardless of race, creed or nation.

Little has been said as to how the Asiatic countries will figure in this historic week of international broadcasting. Japan and China apparently will be in a position to listen to Europe with one ear as the waves sweep around the Indian sea and the Himalayas and to America with the other ear as the ether waves come singing over the Pacific. Whether they will attempt any broadcasting themselves for distant nations had not been announced at the time of this writing.

Radio Digest has received programs from Austria, Belgium, Denmark, England, Esthonia, Finland, France, Germany, Holland, Hungary, Italy, Jugo-Slavia, Norway, Russia, Spain, Sweden and Switzerland for the big international week. Other countries will be heard from west and south before January 24.

Long and loud may the great DX fraternity prosper! Now comes the time when George K. Babbit of Guthrie, Okla., U. S. A.; John Torro of Effingham, England; Gustav Schmalz of Koenigswusterhausen, Germany; Alphonse Beauvais of Chaumont, France, and all the other distance rangers may roam around the dials and bring in the same station with a common sympathy and delight for each other. And a blooper! Say let one of those birds start a squeal and all the nations would rise together and march shoulder to shoulder for a common—er, extermination!

British Notes

Important experiments have been made at 2LO with a form of "bottled Radio." The apparatus used was the telegraphone, which is a development of the old cylindrical phonograph record. It was used for recording part of the broadcast performance from an airplane, and will be brought into requisition in connection with the public speeches of eminent persons in cases where the installation of a "mike" is undesirable. While listeners may be prevented from hearing speeches at the moment of delivery, there will be no reason why they should not receive them a few hours afterwards when the station is not occupied.

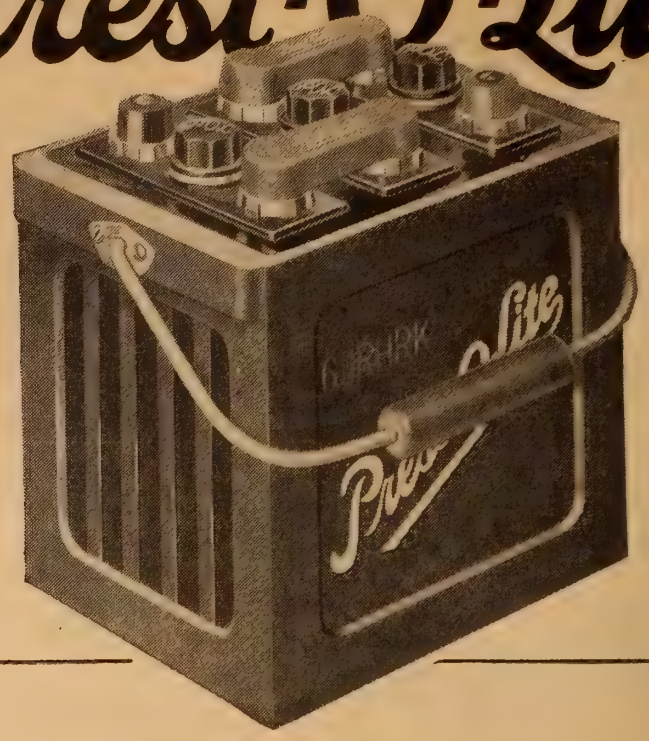
One evening, this month, a shorthand demonstration will be given from 2LO, London, of words spoken at different rates. Lord Riddell, president of the Shorthand Fellowship and proprietor of the News of the World, a famous London paper, will speak at speeds, first of 100 then 150, and third, 200 words a minute. Shorthand experts will try to "take him down."

Oscillators are the chief subject of British complaints, and opinion is unanimous that some form of deterrent must be made use of before the nuisance can be entirely eradicated. Willful oscillators, it is urged, must be punished in a form fitting to their offense.

Roxy's Lair Disclosed

NEW YORK.—For the benefit of those who have not been able to trace S. L. Rothafel, "Roxy" of Radio fame, to his lair, it is announced that he has taken permanent quarters at Steinway hall, 113 West 57th street, room 605, New York, where he holds his rehearsals for the concerts at WEAF.

Prest-O-Lite



There are many improvements in the new

Prest-O-Lite Battery

IN THIS new battery you'll find all the good points and high quality that have made Prest-O-Lite an unfailing aid to better radio. And in addition there are many important refinements and improvements that make it the most attractive, most convenient battery you can buy.

This new battery has a beautiful stippled finish hard rubber case that blends with any furnishings. The case is molded in one piece, giving sturdy, leak-proof strength.

To make the battery convenient to carry, the handle has been given a comfortable rubber grip.

The oversize terminal nuts on the binding posts are easy to turn and insure perfect contacts.

Novel rubber insulators completely cover the tops and sides of the cell connectors, preserving the original fine finished appearance at all times and giving protection against accidental short circuits.

No effort has been spared to make this a battery you will be proud to own. Yet, like the rest of the Prest-O-Lite line, it is priced to offer you the biggest value of the day. Ask your dealer to show you this battery and the Prest-O-Lite Chart that helps you select the right battery for your set. Or write Indianapolis for a copy of our interesting handbook on radio storage batteries and how to charge them.

THE PREST-O-LITE CO., Inc., INDIANAPOLIS, IND.

New York **San Francisco**

In Canada: Prest-O-Lite Company of Canada, Ltd., Toronto, Ont.

OPERATING AND TROUBLE SHOOTING

OPERATING and Trouble Shooting, is a Radio Digest feature, the purpose of which is to give practical information on the operation, care and cure of simple troubles in every kind of receiver. Standard Radio receivers of wide distribution and use are studied from the standpoint of instructions for installing and connecting, tuning and operating, and remedying little difficulties. The suggestions below, if executed faithfully, will make winter broadcast listening yield all there is to yield to the reader and give your set a fair chance to show its worth.

For the Owner of a Thorola Islodyne Receiver

THIS set is most unusual in many ways. In appearance, the front panel differs radically from any other receiver available, due to the attractive wood covering over most of the front panel. In efficiency, the effect of the doughnut coils used is most noticeable in that this set really tunes sharp and confines local stations to a very few degrees on the dials. Operation is easily mastered and the controls have been reduced to the lowest possible minimum in a set of this type.

Islodyne comes sturdily packed against breakage and marring of the cabinet and is best removed from the container by placing carton on its side, opening the flaps at top and bottom and pushing through. Attempts to lift it out or drop it out were not very successful. The lint from the corrugated board may be removed with a soft cloth and at the same time the whole cabinet might well be gone over to restore the polish. There is no compartment for the batteries and space should be provided in the cabinet or table on which the set is placed, for them. A Belden battery cable affords a convenient means of making connections and was used by the writer when testing this set.

While there is an excellent diagram provided which shows clearly the proper battery connections, it may be a good idea to go over these for the benefit of those who may purchase from some one an Islodyne from which diagram card has been removed. There are three possible antenna connection posts; beginning at the left they are antenna long, antenna medium and antenna short. The choosing of the proper one for your installation is a matter of selectivity. If the antenna proper and the lead-in have a combined length of 105 to 125 feet, the "Antenna Long" binding post should give best results. Total lengths between 75 and 105 feet will probably call for the "Antenna Medium" post, while overall lengths of 40 to 75 feet should work better on the antenna short terminal.

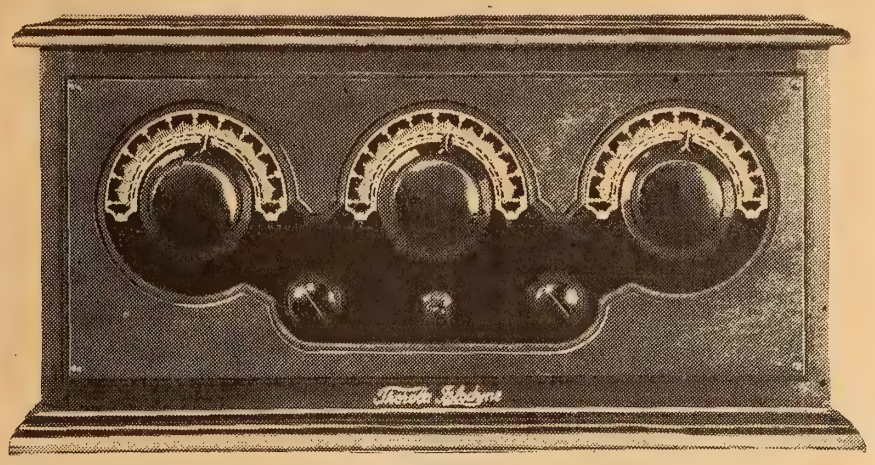


Figure 1

Try connecting your antenna on first one and then the other of these until adjustment is reached that gives you the desired compromise between selectivity and volume on distant stations. This is a compromise on any receiver which may or may not have been settled by the maker before shipping the set. This choice, as provided in the Islodyne, seems to be the better way as all locations differ. No matter what the characteristics of your antenna, the long antenna connection will give the greatest selectivity, with medium next and the short connection the least. On the other hand, the short connection will give greater volume on long distance.

Ground Connections

The fourth terminal from the left is for the ground wire which can be attached to either the cold water pipe or, in rural districts, a long rod can be driven into the ground 4 to 10 feet. This should, if possible, be placed in a spot where the earth is always moist. If attaching to a water pipe, carefully scrape, file or sandpaper the nearest portion of the pipe, for a length of about three inches. A ground clamp, as carried by Radio and electrical stores, is much to be preferred and costs but little. Otherwise, remove the insulation from the last two feet of the wire and scrape it bright, then wrap this portion around the pipe pushing the turns closely together. Over this wrap a layer or two of tinfoil and then cover well with what is called "electrician's" or "bicycle" tape.

Connections for the speaker come next and are in the form of small cord tip jacks. It will be noted that, on most speakers, the cord terminates in two leads one of which is marked with a red tracer thread. The unmarked cord tip is to be plugged into the first of the two jacks while the marked one goes into the second. This makes quite a lot of difference in most speakers and if improperly done the speaker will sound badly choked and will rattle. If cord tips are not marked with tracer thread, some reversing will be necessary to determine which way sounds best.

Connecting the Batteries

Before connecting the batteries be sure that the storage battery is fully charged as indicated on a hydrometer. One of the caps on the battery must be unscrewed and the tip of the hydrometer inserted in the liquid. The bulb is then squeezed and released which will draw up electrolyte into the large glass portion of this device. Within the hydrometer is a float on which there is a scale reading from 1,100 to 1,400. This float is read by noting the point on the scale opposite the surface of the liquid. The scale reading should be 1,210 or better. When between 1,280 and 1,310 battery is fully charged.

The first three terminals for batteries are for the B battery supply and are labelled B+90, B+45 and B—. This B power supply may take the form of dry cell B units as made by Eveready, may be of the storage battery type as constructed by Prest-O-Lite, World or Hawley, or may be one of the B eliminators on the market which supply direct current in the correct voltages when connected to the electric light socket. If a B eliminator is used, the binding posts will be found to carry practically the same identifications as those on the set although they may read B+100, B+50 and B—.

If batteries are used, either dry or wet, it will be found they come in 45-volt units and two will be required. The minus terminal on one of them is to be connected to the third from the last post in the set which is labelled B—. The other terminal on this battery is then to be connected to the B+45 post in the set and to the minus terminal of the second B battery. The remaining plus terminal on the second battery goes to the B+90 post in the set.

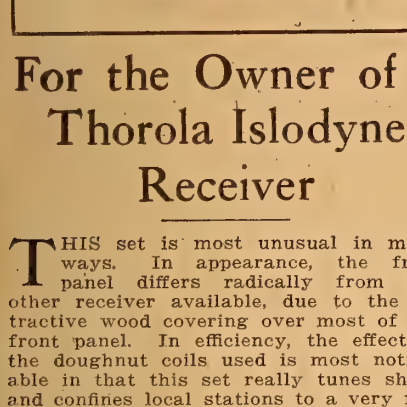
The last two posts in the set are for connection to the storage battery, usually called the "A" battery. One terminal of this battery will be found marked POS., + or painted red. This must be connected to the next to the last binding post while the second terminal of the storage battery connects to the last post on the set.

Tuning Controls

The three large knobs provided with pointers, which revolve over engraved scales, are the actual tuning controls. The center one, and that to the right, which we will call numbers 2 and 3, will be found to read practically the same on any station. Dial number 1 will probably read somewhat lower due to the effect of the antenna. Since every antenna installation varies it would be impossible for any manufacturer to alter this point. Below the dials there are two knobs and one switch. The switch is used to turn the current on and off. One must get in the habit of snapping this to the left when through with the set. If a B eliminator is used instead of B batteries, the switch controlling the house current should also be turned off.

The knob to the left controls the brilliancy of the first three tubes; the two which amplify the signals while still at radio frequencies, and the detector. This knob must be turned to the right to light the tubes and is used as a volume control on local stations or exceptionally loud distant programs. It also permits control over any tendency toward oscilla-

(Continued on page 26)



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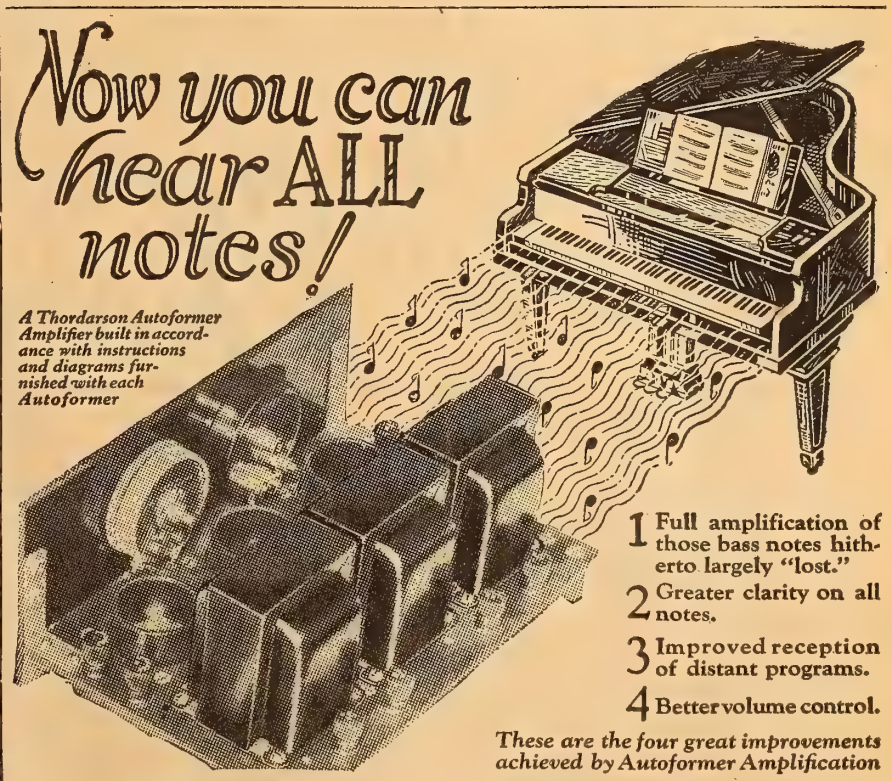

A Thordarson Autoformer Amplifier built in accordance with instructions and diagrams furnished with each Autoformer

1 Full amplification of those bass notes hitherto largely "lost."

2 Greater clarity on all notes.

3 Improved reception of distant programs.

4 Better volume control.

These are the four great improvements achieved by Autoformer Amplification

Deepest Bass to Highest Treble Brought Out Clearly

The Thordarson Autoformer is *not* "another transformer." It is an all-frequency amplifier, an *entirely new* instrument developed and built *only* by Thordarson. Autoformer Amplication is step-up impedance coupled with capacities and resistances. Write for fully descriptive literature. Autoformers, $5 each. Dealers everywhere.

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Leading set makers use more Thordarson Super-Amplifying Transformers than all competitive makes combined.

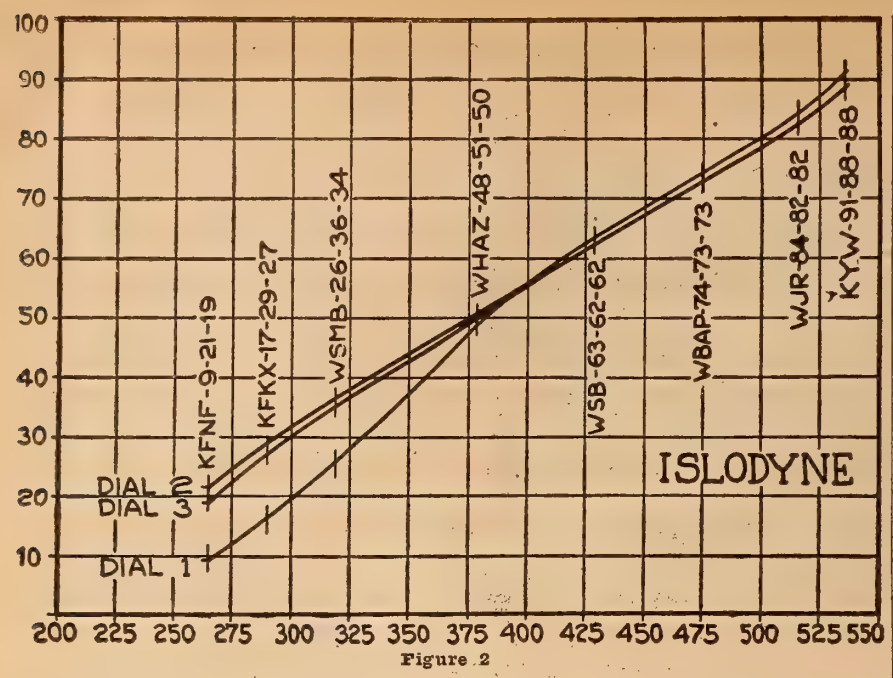


Figure 2

THOROLA ISLODYNE

(Continued from page 25)

tion on the lower wave lengths, 0 to 30 on the dials, which would evidence itself by squeals, howls and distortion. Turning it to the left clarifies the program.

The other knob is called a "distance amplifier control" and adjustment is necessary only on distant stations. By turning it to the right, the volume on weak or far-away stations can be built up. When receiving local and nearby programs, and also distant stations found between 0 and 30 on the dials, this knob should be kept turned to the left. Much of the really exceptional volume on out-of-town stations possible with this set is due to proper use of this knob to the right, and this innovation is both new and exclusive with the Islodyne.

Method of Tuning

It is suggested, to start, that the first dial be placed at 28 and then a hand placed on each of the other two so they can be revolved together. Revolve them slowly, and together, between 30 and 40. If no program is heard, turn the left knob slightly toward the right and try it again. If again there is no result, reset dial 1 at 30 and revolve the other two between 30 and 42. This should be tried several times, moving dial 1 two degrees each time. At some setting of the left knob and dial 1, a program will be encountered when revolving dials 2 and 3. Slight readjustment of all three dials and the knob will quickly bring the station in with maximum volume and clearness.

It is good practice to jot down the settings of the three dials for about seven stations, well distributed over the dials, and then make a chart, such as that reproduced here. Wave lengths are evenly spaced along one edge and dial settings from 1 to 100 along an adjacent edge. The little crosses for the settings of dial 3 can then be connected and will make a curve as shown. Do the same with the crosses for dial 2 settings and those of dial 1. If dials 2 and 3 run exactly together throughout the scale, only one curve for both of them is necessary.

As in any receiver of the tuned radio frequency type, it is a good policy to switch tubes around in their sockets when tuned in on a distant station, as nearly always there is one that makes a better detector than the rest and two that are superior as radio frequency amplifiers.

(The Stewart-Warner receiver will be studied next week.—Editor's Note.)

ANIMALS HEARD ON AIR

(Continued from page 5)

the tale, greatly exaggerated, reaches Leo, the lion. Then the whole zoo is in an uproar—and over nothing at all!

Carl Laemmle, pater familias to the Universal institution in general, got the idea the children would like to listen in on some of this jungle pow-wow. So he had a microphone brought up for the animals to make their Radio debut. Jiggs started it off and Leo ended it. The children pronounced it a great success.

It was over a year ago that the golden notes of the English nightingale were wafted into a concealed microphone and broadcast to Radio listeners throughout the British Isles and even so far as the continent. A pair of the nightingales had taken up their residence in a small arbor in the garden of Colonel and Mrs. Harrisons' estate near London. Cables were laid through the vines and a microphone ambushed among the leaves. Miss Beatrice Harrison, having previously discovered that the birds found inspiration in her 'cello, carried the instrument out to a convenient place and began to play. Seemingly flattered by such an unusual accompaniment the nightingales fluttered near and took up the song, their tiny throats fairly bursting with throbbing melody.

Off through the cables and the tubes and the antenna their voices were instantly radiated for a thousand or more miles round about bringing intense joy to children and their elders in the more crowded districts of the city where nightingales are unknown.

We are enraptured with the songs of the birds but few persons would care to compliment the sea lions for their vocal accomplishments. Imagine a sea lion duet! They are like some Radio sets—plenty of volume but low grade quality. However, in the New York zoological park, a microphone was placed at the edge of the pool where the sea lions live. To a sea lion volume is the essence of quality in itself and the sea lion that can croak and bark the loudest gets the prima dona role. So the prima dona and the runner up put on a duet that almost knocked everything but the crystal sets out of business for miles around.

Dogs on numerous occasions have had their turn at broadcasting. One of the most intelligent dog Radio artists naturally lives in Boston. His name is Pep. And the hundreds of thousands of children who spend the story hour with Big Brother Bob Emery are acquainted with Pep's cheerful ejaculations at appropriate times. Pep is the original "Big Radio Dog." He enjoys the WEEI story hour as much as anybody and seems to fully comprehend what is expected of him. When he addresses the microphone he puts his paws on Brother Bob's shoulders and his jaws come about level with the aperture. If he were to stand up straight on his hind legs Big Brother Bob would come about to Pep's collar buckle.

Maude, Julie and Trixie, three music loving young elephants at Luna Park, New York, prefer to do their broadcasting in the old-fashioned way without the aid of Radio transmission but when it comes to listening in just hand them a good superhet and they will tickle the dials with the sensitive tips of their trunks until they get what they want through the loud speaker. Then they will sit back on some old tubs and listen with the keenest pleasure. They are particularly fond of band music and sway their bodies when the rhythm isn't too fast.

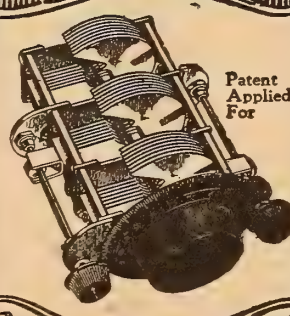
Some smart uncle or aunt or big brother will get the animals together one of these days and put on a regular air circus. Peter Rabbit may be lost in the broadcast shuffle but the Three Bears ought to be able to do their stuff with a little assistance and then happy days will come for our over-sophisticated youngsters.

Long Waves Are Better

LONDON.—Experience so far in rebroadcasting, on high power, messages received on short wave lengths, has not been entirely satisfactory here. Shorter waves have proved inconsistent, and show more erratic characteristics than the longer wave transmissions. The results of recent tests show that during daylight the short wave transmission, however, is much to be preferred.

Rule Against Battery Charger

ZANESVILLE, Ohio.—The city council here has passed an ordinance making it a violation of law to operate a battery charger of the vibrator type between the hours of six o'clock in the evening and five o'clock the next morning. This ordinance was passed to prevent any interference from that source. A fine is imposed if there is a violation.



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United Scientific Compensated Multiple Variable Condenser

Result—greater sensitivity and selectivity, quicker and easier tuning, more volume and better tone.

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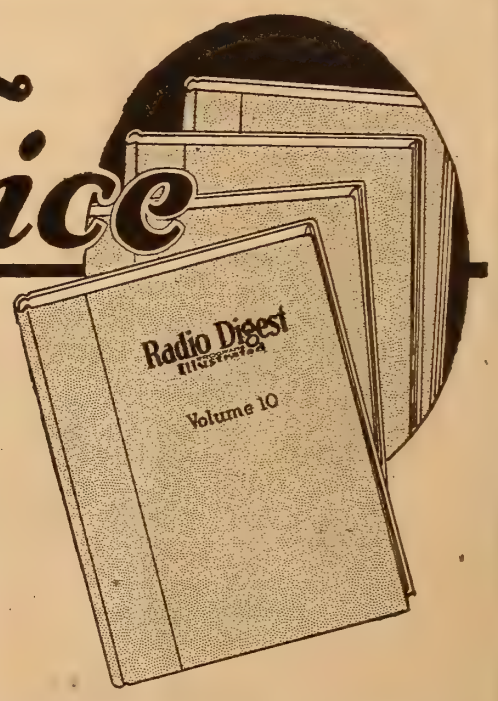

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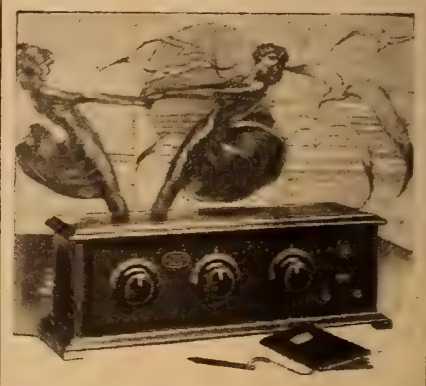

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Unitrola: Single Dial Phonograph Receiver

Part I—A Five Tube Set on a 12-Inch Panel

By Carl Patterson

FOR some reason known only to herself, Dame Nature gave us only two hands. Of course in Adam, the original model, she didn't have a Radio enthusiast and possibly the fact that his ancestors might wish to twist dials didn't occur to her. At any rate, two is all most of us have, yet just now there are more three-dial receivers being tuned nightly than any other kind. Personally, I do not like moving two dials just two degrees at a time and then jockeying the third; it takes too long to run the scale looking for stations that may still be on at two a. m., and one can miss them anyhow. This set I am about to describe, originally had two dials, and, personally, I thought it was about all that one could want, but not Mrs. C. P.

Only One Dial

The two dials ran almost together but on the lower waves they began to spread a little—"not so good." The set was, accordingly, redesigned and rebuilt. Incidentally, there were a few suggestions made that it might just as well go in the phonograph since we use a phonograph speaker unit anyway. There being only one dial, this was a perfectly feasible suggestion, and the resulting design, while it looks far from the customary shape of a Radio receiver, is an unexcelled 5-tube performer and is out of sight when not in use. Although a Radio bug, I'll admit there is little of beauty in most home built sets.

There are few phonographs of either the console or upright variety that this set will not go in. Of course many consoles have a lid over the record compartment which lifts upward and the panel of a set for that type would have to be horizontal. On the other hand, there are just as many consoles in which a door opens at the front admitting one to the record compartment, and all uprights have that kind of door on the record space. The panel of this set is but 12 inches wide and all phonographs are that wide. In depth, Unitrola is 16 inches and most talking machines are closer to 20 inches inside depth. The height is the usual 7 inches; I couldn't go any further from regulation style and had to have something standard.

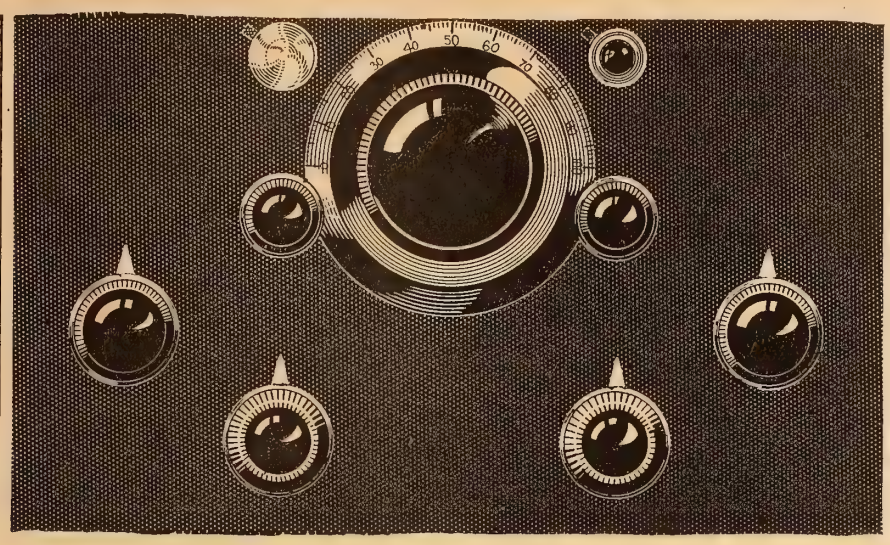

Figure 1

Panel at an Angle

Since this receiver is to be operated in a position below table height, the panel is tipped back 30 degrees. When one is sitting or standing in front of Unitrola, tuning can be done most easily because of this slant. The single dial control is, of course, a pleasant innovation, but here is another. Due to the set being down inside the record compartment, it is comparatively dark, so a light, run from the battery, is placed on the panel close to the dial markings. It draws but little current and will not materially hasten the discharge of the battery. Across the dial from it is a pilot switch as the set being unobtrusively placed in the phonograph, it is surprisingly easy to walk off and leave the tubes burning.

The United Scientific Laboratory multiple condenser is a thing of beauty both mechanically and electrically. Study of it brings to mind the words "Packard assembly." The plates are all of brass, well aligned and sturdily held together. The compensating arrangement for two of the sections is most unusual in that the two knobs do not affect the rotor. The large knob of course turns all three rotors simultaneously but each of the smaller ones swings a stator. The rear stator has no adjustment. The center stator is pivoted at the right side and the left knob, by means of a cam, swings this stator up into deeper mesh with the center rotor in whatever position it may be. The front stator is pivoted at the left side and the right compensator knob swings this stator up or down. Thus the small differences in capacities, wiring, etc., are taken care of very nicely.

Bodine coils are a new type of inductance that are both logical and technically correct. They are a cross between a binocular and a D-coil that results in a compact field and little tendency toward interaction between secondaries. For this set their physical compactness is ideal and parts can be placed fairly close without loss or oscillation. They mount easily and are low in cost, both points to be considered carefully. See that you get type T-35 which is the correct size for the .00035 units in the multiple condenser.

The new Amsco sockets are designed to take the tubes, now being sold by nearly all dealers, with the new UX base. Other sockets can of course be used but these are easily mounted by one machine screw, make very fine contact with the tube pins and should give very low losses. The contacts are as far apart as they could possibly be and genuine bakelite has been used for the main supporting block. If you are using tubes made by R. C. A. or Cunningham, you will find that from now on, dealers will have the new base tubes.

(Continued on page 28)

Look for the distinctive Belden Striped Carton. Furnished in maroon cotton or braided with brown or green Rayon (artificial silk).

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WHEN you build your new loop antenna, obtain maximum efficiency by using the special loop wire prepared by Belden engineers for standard loops. The Belden loop wire is made of sixty strands of No. 38 copper wire combined with five strands of No. 36 copper wire which has been treated to prevent stretching. All strands are insulated with a double wrap of cotton or with a Rayon braid. This unique construction provides a non-kinking, non-stretching, non-sagging conductor that will make a splendid loop, and one that will keep taut.

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UNITROLA: SINGLE DIAL

(Continued from page 27)

While everyone does not, possibly, prefer the plate resistance method of controlling oscillations at the lower wave lengths, it has always given me sets that equal anything else in the tuned radio frequency class, so I have put a C-R-L unit of 200,000 ohms in the common plate return of the two R.F. tubes and, by it, one can bring the circuits up to oscillation at any wave length. Some may claim that the efficiency is thus cut down at the lower end of the scale by insertion of resistance but surely it is not cut down any more than if one applied only 67 volts on the plates and this method has the advantage that regeneration can be secured at the upper end of the scale. Few tuned R.F. sets are efficient above 450 meters as regards range or, if they are, the rheostats must usually be turned down to prevent oscillation below 300 meters.

Thordarson Transformers Used

Following the detector in Unitrola there are two stages of transformer coupled audio frequency amplification and the volume on anything within range will comfortably fill a good size room. Thordarson transformers are used and the amplification over the entire musical scale is nearly even. They were the first to bring out this type of transformer with large primary and low ratio and, while their unit may be equalled by a very few and usually at a higher price, the results are not surpassed. The amplification per stage is far greater than most experimenters are used to and on locals it would be far too great for comfort or the ability of a speaker to handle if means of control were not provided. Accordingly, another C-R-L resistor is placed across one of the audio amplifier grid circuits and gives smooth, even control from whisper to roar. I first saw this system on one of Jacques Fournier's Fireside receivers and liked it so well I put it on Unitrola's predecessor.

These audio frequency amplifiers are lighted through Amperites as elimination of panel adjustments is always desirable and particularly so on this set with its 12-inch by 7-inch panel. Audio frequency tubes are not critical as regards filament lighting and you need have no fear that you are losing anything in either clearness or volume by not putting in a rheostat for these tubes.

It was soon found that the dial light was not needed during the day as the light from the windows illuminates the dial plentifully. Having both the Dialite and the Pilot switch, a combination was soon worked out by which the Dialite could be turned on or off irrespective of the current to the filaments and the Pilot switch is used not only to indicate whether the tubes are lighted but also to turn them on or off. A quarter turn of the hood on the Carter Dialite puts it on at night and off when set is used during the day.

As to results with this set, I have seen but one receiver of the tuned R.F. type to compare with it and that is the highest priced neutrodyne on the market. On a 60-foot antenna, with, of course, a well made ground, it steps out of Chicago's congested North Side, through WEBH, WQJ, WIBO, WBBM, et al, and brings us the Hired Hand from Fort Worth, the Dixola novelty orchestra from New Orleans, Goldie and Dusty from New York and the stations lining the shores of the Great Lakes. No, we do not "do the Coast" every night. Those much sought entertainers, KFI and KGO, come through with commendable frequency but are not nightly playmates. Probably those living out on farms or in smaller cities throughout Iowa, Wisconsin and Indiana, where aerial traffic is not quite so thick, could use a slightly longer antenna and bring in the coast regularly.

(In next week's issue Mr. Patterson will go into the drilling and assembly of panel and baseboard and the bending of the special brackets out of the aluminum.—Editor's Note.)

LIST OF PARTS

1	U. S. L. Multiple Condenser	United Scientific Lab., New York	$13.50
3	Bodine Twin-8 Transformers	Bodine Electric Co., Chicago	9.00
5	Amsco Universal Sockets	Amsco Products Co., New York	3.75
1	Amsco Grid Gate, 3 mg.	Amsco Products Co., New York	.45
1	Formica Panel 7"x12"	Formica Insulation Co., Cincinnati	1.80
1	Formica Panel 16"x11½"	Formica Insulation Co., Cincinnati	4.00
1	Piece Stiff Aluminum 12"x12"		.50
1	"Imp" Rheostat, 15 ohms	Carter Radio Co., Chicago	1.00
1	"Imp" Rheostat, 30 ohms	Carter Radio Co., Chicago	1.00
1	Carter "Dialite"	Carter Radio Co., Chicago	1.75
1	Carter Pilot Switch	Carter Radio Co., Chicago	1.50
1	C-R-L Unit, 200,000 ohms	Central Radio Lab., Milwaukee	1.65
1	C-R-L Unit, 500,000 ohms	Central Radio Lab., Milwaukee	1.65
1	Daven No. 50 Mounting	Daven Radio Corp., Newark	.35
2	Sangamo Bypass Cond., 0.5 mfd.	Sangamo Elec. Co., Springfield, Ill.	1.80
1	Sangamo Fixed Cond., .00025 mfd.	Sangamo Elec. Co., Springfield, Ill.	.40
1	Sangamo Fixed Cond., .001 mfd.	Sangamo Elec. Co., Springfield, Ill.	.50
2	Amperites 1-A	Radiall Corp., New York City	2.20
7	Ensign Binding Posts	H. H. Eby Mfg. Co., Philadelphia	1.05
2	Audio Transformers, 2-1	Thordarson Elec. Co., Chicago	10.00
		Total Cost	$57.85

Navy Radio Saves U. S. $1,000,000

WASHINGTON, D. C.—The navy department saved the United States $1,000,000 during the fiscal year just ended. The navy handled some of the U. S. Radio traffic.

ADVANCE PROGRAMS

(Continued from page 21)

ling's string trio; 6, classical program, dinner organ recital, Grayling's string trio; Bob York, tenor; Bernice Taylor, soprano; Mina Smith, violinist; Leola Alkman, soprano; 7:45 (238), musical features; 9:30, Dutch Masters, Loftis half hour of music, Freddie Whitmer, pianist; Samuel G. Rowe, tenor; Oscar Heather, tenor; Pat Barnes, tenor; Helen Rauh, pianist; Husk O'Hare's orchestra; 12 m., Pat Barnes and Al Carney.

WIBO, Chicago, Ill. (226), 10-11 a. m., shoppers' bureau; 2-4 p. m., popular shut-in program; 6-8, dinner concert, Walter Preston; WIBO trio; Rae McKay, Otis Pike Jester; 10-12, Oh Henry night.

WLIB, Chicago, Ill. (302.8), 7-8 p. m., dinner concert; 11-12 m., popular program; 12-1 a. m., dance program.

WLS, Chicago, Ill. (344.6), 12 m., Ford and Glenn; 6:30, Ralph Emerson, organist; 7, lullaby time; 7:15, WLS trio; 7:45, "Robert Burns Wallace Bruce Ainsbarry; 8, Julia Gay M. E. church male quartet; 8:30, Ford and Glenn presentation; 9, George Albert's mandolin club; 9:30, special musical feature; 10:40, Ford and Glenn.

WLW, Cincinnati, Ohio (422.3), 7:30 a. m., exercises, William Stradtman, Y. M. C. A; 8, morning devotions, auspices of Parkway Y. M. C. A; 12:05 p. m., organ recital, Erwin E. Schenk; 12:30, concert, Hotel Gibson, Robert Visconti, director.

WMAQ, Chicago, Ill. (447.5), 12:25 p. m., Y. M. C. A. forum; 1, Radio farm school; 2, shut-in program; 4, talk preschool child; 4:15, news of the shops, Mildred Graham; 4:30, "Foibles of the Moment," Mrs. Graham Aldis; 4:35, pupils of Bush conservatory; 5, child-life stories; 6, organ; 6:30, Wide-Awake club; 8, musical lecture, Mr. and Mrs. M. E. Oberndorfer; 8:30, Whitney trio; 9, lecture, University of Chicago; 9:20, Elizabeth Stokes, soprano; 9:55, University of Chicago chimes.

WMBB, Chicago, Ill. (250), 7-8 p. m., Trianon artists; Frank Bonader, Frank Chaplin, artists; old home songs night; 9-11, Trianon orchestra, Dell Lampe, director; Woodlawn theater orchestra, Armin F. Hand, director; 9-11, Trianon orchestra, Dell Lampe, director; Woodlawn theater orchestra, Armin F. Hand, director; Babbe and Barr, Joe Morrison, Walter Duffy, Glen Wells, Montana cowboy; popular program.

WMC, Memphis, Tenn. (499.7), 8:30 p. m., Atwater Kent program; 11, organ recital, Harry Nichols.

WOAI, San Antonio, Texas (394.5), 3 p. m., musical

(Continued on page 30)

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Reader Shows Novel Use of Table

Evening at Home Made Up for Easy Reference

One of the most valuable features of Radio Digest, I think, is the "Evening at Home with the Listener In" table. I have found it very useful in operating my set. However, I find it difficult to follow with the eye clear across the line of days to the day on which I am listening, and so have devised the following scheme to assist me in using the list:

Although only the top part of the list is shown in the illustration, I cut a strip of stiff cardboard the length of the full table, and as wide as the first four columns, which include the call, location, meters, and the Saturday list of hours. I then carefully clip the list out of the issue, and cut it in eight strips, as shown. Seven of these strips are the days, of course, and the eighth includes the call, location, and meters. The last mentioned strip I paste flush with the left edge of the cardboard, putting paste all over the back of the clipped strip before mounting. Then I put a square of paste at the point marked "paste here only" in the drawing, and being careful that the hours calendar properly with the stations they are meant for, I stick the top edge of the Saturday column on this spot of paste. Over this same spot paste is again applied, and Sunday's column is pasted in place right over Saturday. The same method is continued until all seven of the hours columns are mounted in order one on top of the other.

The result is a cardboard strip about twelve inches long and a little less than two inches wide, with top mounted and hinged "pages" for each day of the week showing the evening hours stations can be found broadcasting.

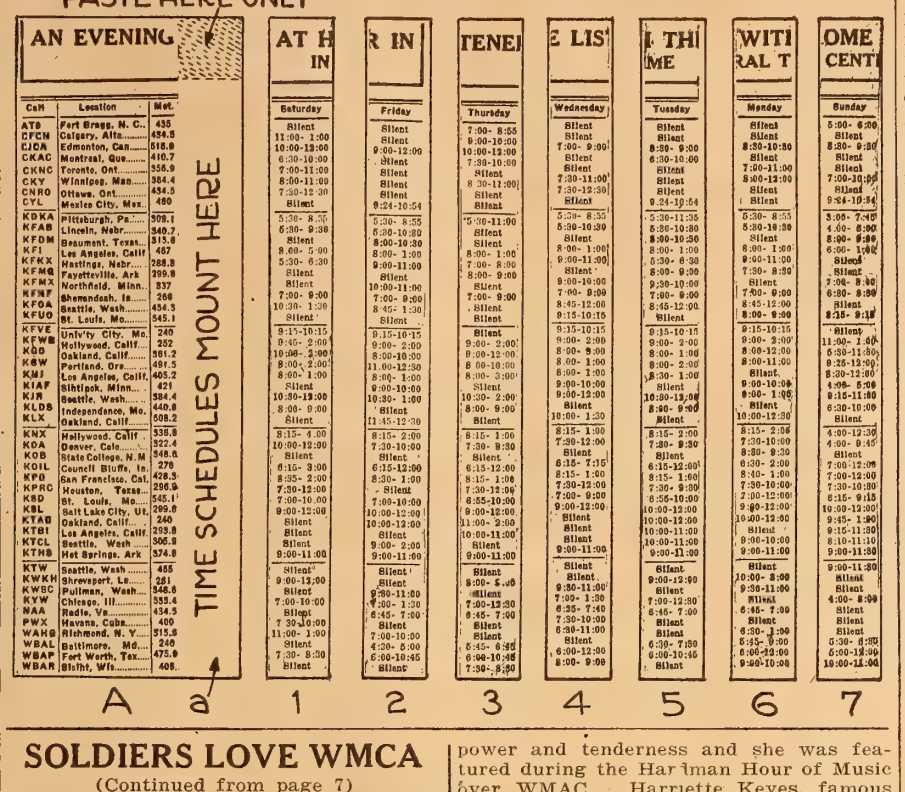
The mounted table is very simple to make and I find it much more convenient to handle. I keep the latest table prepared in this form at all times beside my receiver.—A. R. Poirier, Providence, R. I.

WORKSHOP KINKS EARN A DOLLAR—

THERE are many little kinks worked out at home that would aid your fellow Radio worker if only he knew about them. There are new hook-ups, new ways of making parts and various unique ways of operating sets that are discovered every day. Radio Digest is very much interested in obtaining such material. Send them in with full details, including stamped envelope, so rejected copy may be returned. The work must be entirely original, not copied.

RADIO KINKS DEPARTMENT
Radio Digest
510 North Dearborn St., Chicago

HOW TO CUT AND MAKE MOUNTING



SOLDIERS LOVE WMCA

(Continued from page 7)

success of these productions? Many deep and ponderous councils floundered through the problem. But finally Radio won. The productions were heard on the air and the box office found no reason to complain.

Today Mr. Weir is able to present each Thursday, over WMCA, the principals and chorus of the leading Broadway shows at a midnight special studio performance.

Many celebrities have been heard over the WMCA microphone. One of the more recent artists to make history there was Samuel Siegel, world famous mandolinist, who surrendered all that he had achieved with this small instrument twenty years ago, because he could not persuade the world to regard the mandolin seriously. He alone had brought it to the heights of artistic success. Wherever he appeared he was acclaimed but there it ended. The world at large, not having heard the master, smiled at the mandolin as a college serenader's toy. For twenty years, Siegel put his mandolin aside nor could he be persuaded to play it again until recently.

Then friends induced him to bring it to Radio Station WMAC. He played. A flood of letters indicated that he was still the master and he himself was satisfied because now he hopes through the Radio to reach millions and prove to the world that the mandolin is capable of the finest artistic achievement.

Miss Lois Mayer of Paris, Texas, was discovered to have a voice of extraordinary power and tenderness and she was featured during the Harriman Hour of Music over WMAC. Harriette Keyes, famous on the Victor records and on the stage the country over, was annexed as one of the regular stars at the MsAlpin studios. Louise Bave, who at the age of 19, made her debut at La Scala in Milan, under Toscannini was brought by Arthur L. Lee, managing director of the McAlpin, to the WMCA station as a regular feature.

Miss Bave is the girl with the three octave voice taking high G, with ease and clearness. She can sing with the coloratura range most effectively having the depth and warmth necessary for lyric roles.

Benar Barzelay, Polish violinist, who has played at the command of royalty in five European countries, was presented to the audiences of the McAlpin Radio station. Of course, the big features are Ernie Golden's orchestra and Olcott Vail's String Ensemble and the Symphony orchestra.

One of the oldest, WMCA has continued to grow in prestige and stands among the first of the leading Radio broadcasting stations of the United States—and the United States has a long march in the lead of every other country in the world in its popular Radio transmission.

New Belgium Station On Air

BRUSSELS, Belgium.—The province of Liege, which complained of not hearing the Radio-Belgique transmission from Brussels, now has no less than three stations of its own. The opening of Radio-Wallonie was reported recently. Its wave length has been definitely fixed at 285 meters. The newcomers are Radio-Central, 205 meters, and Seraing-Radio, 195 meters.

15,000 Study Spanish

DENVER. — Thousands of broadcast listeners comprising what is believed one of the largest educational classes ever organized, are now studying Spanish every Monday evening over KOA, Denver station of the General Electric company. More than 15,000 persons, representing all nationalities and walks of life thus far have been registered for this course.

Hawaii Heard Every Night

CHICAGO.—Hawaii has been reached regularly each week for the past two months, according to the Stewart-Warner studio of Station WBBM here. Communications received by the station indicate that WBBM is being heard consistently in the islands in the Pacific ocean since winter weather has set in.

Short waves travel farther than long waves and require less power to cover the same distance than the longer waves.

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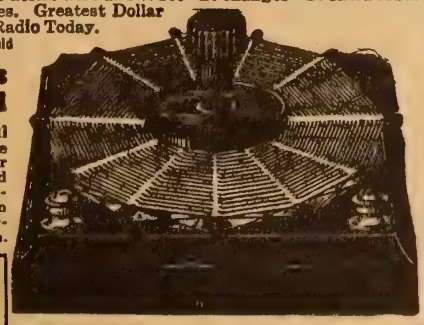

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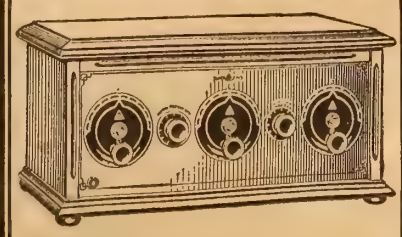

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Questions and Answers

Charging A Battery with Generator

EW, Lancaster, Mo.

Can I use the generator off of an automobile to charge a 100-ampere hour Radio A battery? Can I remove the generator and connect it by belt to a small gas engine to do this?

If so, how many hours would it take to fully charge the battery? Would I need to put the car's ammeter in the line when I charged the battery?

A.—It is entirely feasible for you to charge your 100-ampere hour storage battery by connecting it to a 6-volt generator. If the car which you have uses a 6-volt generator, you will then find that the car starting battery is also 6 volts.

It will then only be necessary for you to disconnect the starting battery, take it out of the car and replace it with the battery you use for Radio.

Start your engine and allow it to run fast enough that it is showing by the dash ammeter it is charging. This can be done during daylight hours with the car standing still.

We believe that there is an ammeter on your car which shows the rate depending on speed of engine of charge. It is only necessary for you to divide 100 by this rate to determine the number of hours necessary to run before the battery is fully charged. If no ammeter is on the car, you may then secure a hydrometer for testing the battery's specific gravity. When the specific gravity reaches between 1275 and 1300, the battery will be charged and ready for use.

How to Make Tuning Chart

WEM, Sharpsburg, Ga.

In looking back over your Radio Digest dated November 21, 1925, I found something that I would like for you to furnish me if possible. On pages 27 and 28 is an explanation of how to set your dials to pick up different stations. I have an Atwater Kent five tube set and I am unable to get different stations. If you will furnish me with a chart showing how to get different stations, I will pay you what you ask.

A.—The chart shown in our November 21 issue of Radio Digest we felt was self explanatory. However we are pleased to inform you further about it.

The process which you should follow is to first draw the chart without any of the station notations, on the left of it is indicated the dial readings, while the base line indicates the wave length in meters.

Proceed to tune your receiver, and as you secure a station, note the dial setting, also the wave length of that station. Then place a dot at the intersection of these two values. Once you have secured the location thus for several stations, a line joining the dots can be drawn and others can be found automatically on this line.

Please understand that this is merely a guide, and is of no assistance in assisting you to use your receiver to separate or secure stations beyond the possibilities of your receiver. It is primarily a handy chart for easily determining at a glance the approximate dial setting for a given wave length.

Electric Pad Interference

LHL, Big Timber, Mont.

As a regular subscriber of your valuable paper, I wish to ask if there is not some way in which I can eliminate the interference caused in my set by an electric heating pad used about 100 feet away from my location by an invalid. He uses the pad all day and night, and the prospects are that he will continue to use it for some time. Cannot the thermostat be grounded in some fashion?

A.—Place two heavy fixed condensers, say one or two microfarads, in series across the line just ahead of the pad. Attach a wire to the wire connecting the two condensers, and run this wire to a good ground connection. This may stop the interference. See Radio Digest issues of August 1 and 8 for a complete treatise on the causes and cure of Radio inductive interference.

ADVANCE PROGRAMS

(Continued from page 28)

program, Kamma's Hawaiians; 8:30, musical program, Menger hotel trio.

WOAW, Omaha, Nebr. (526), 12:45 p. m., Sunshine dinner menu; 1, Randall's Royal Fontenelle orchestra; 6, music review, Hester Bronson Copper; 6:50, Jaffy's string quintet; 9, classical program; 10:30, Frank Hodek and his Nightingale orchestra.

WOC, Davenport, Iowa (483.6), 12:15-12:25 p. m., special farm service day; 3-3:30, home management, Aunt Jane; 4-5, Crescent orchestra; 5:45-6, chimes; 6:30-6:50, sandman; 8-9, musical program, American Legion; 9-9:45, travel lecture.

WOK, Chicago, Ill. (217.3), 4:30-7 p. m., Tearney's Town Club Twilight dansant; Capitol theater organ; studio program; 10-1:30 a. m., Tearney's Town club orchestra; Carl LaRine's Pershing Palace orchestra; Husk O'Hare's Cocoanut Grove orchestra; Capitol theater program; studio program.

WOS, Jefferson City, Mo. (440.9), 8 p. m., "Postoffice Government and Its Progress," Ben H. Linhardt; vaied musical program, McGirk band, New S. Newton, director.

WQJ, Chicago, Ill. (447.5), 11-12 m., Sunday dinner menu, Ted Wilmes; 3-4 p. m., "The Second Radio Lesson," Helen H. Downing; talk, Francis Hewett Crouse; 7-8, Rainbo Gardens orchestra; Henrietta Nolan, violinist; Clement Laskowski, tenor; "Jesus, Lover of My Soul," W. H. Bundy; 10-1, Rainbo Skylarks; Dr. H. Lucille Long, harmonica soloist; artists from Rainbo Glories; Melodians; Dean Terrill, baritone; Merrill Carder, baritone; Mary Wade, soprano; Romo Vincent, baritone; 1-2, Ginger hour.

WRR, Dallas, Texas (246), 12-1 p. m., Ethel Smith, pianist; W. W. Macbeth, harmonica; Sheldon Leachman, tenor; 5:15, bedtime story; 6-7, dinner concert, Jack Gardner and his orchestra; 8-9, novelty program-Dailey Hembree, tenor, and assisting musicians; 11-12, organ recital, George Perfect and assisting musicians, Phil Pierce studio.

WSB, Atlanta, Ga. (428.3), 8 p. m., First Baptist church choir, Griffin, Ga.; 10:15, Nunnally miniature symphony orchestra.

WSM, Nashville, Tenn. (282.8), 6:30 p. m., concert, Beasley Smith and his orchestra from Andrew Jackson hotel; 7, bedtime story interlude; 8, program, Mrs. William Hall, Jr., contralto, and associate artists; 10, Negro spirituals, Golden Echo quartet.

WSUI, Iowa City, Iowa (483.6), 12:30 p. m., Dr. Phillip G. Clapp, pianist.

Mountain Time Stations

CFAC, Calgary, Can. (435.8), 7-8 p. m., Salon broadcast, Gladys Webb Foster, director.

CNRE, Edmonton, Canada (516.9), 7:30-8 p. m., children's half hour; 8:30-10:30, Wilfred Cooper and his Hawaiian troup; 10:30-11:30, John Bowman and his orchestra.

KFWA, Ogden, Utah (261), 4-5 p. m., organ recital, Paramount theater; 5-6, Radio dealers program.

KOA, Denver, Colo. (322.4), 12:15 p .m., Rialto theater musicale; 3:15, relaxing and corrective exercises, Mrs. Ruth Drumm Witting; 3:30, matinee for housewives, Elizabeth Jacoway Matthews; Edith Rassmussen, soprano; Elizabeth Alexander Rundquist, contralto, Frances Smith, reader; Edith Rassmussen, soprano, Ruth Haffner Rader, pianist; 4, culinary hints, Mrs. Clara Hoover; 4:15, fashion review; 6:30, Brown Palace string orchestra; 7:30, Sunday school lesson, Rev. William O. Rogers; 8, musicale, Fort Collins Chamber of Commerce; 157 Infantry band; Fort Collins Masonic quartet; L. Lyon, clarinetist; Mrs. Elizabeth Carson, contralto; Preston Murphy, baritone; Ladies' quintet, Colorado Agricultural college.

KOB, State College, N. Mex. (348.6), 7:30-8:30 p. m., musical program, college band.

Pacific Time Stations

KFI, Los Angeles, Calif. (467), 5:30-6 p. m., Examiner matinee; 6, nightly doings; 6:15, KFI's seeing California; 6:30, vest pocket program; 6:45, Radiotorial period; 7-8, Examiner hour; 8-9, Aeolian residence pipe organ, Dan L. McFarland, organist; 9-10, William MacDougal, Scotch comedian and Mutual Motors joke contest; 10-11, program, pupils Myra Belle Vickers.

KFON, Long Beach, Calif. (232.4), 4:30-5 p. m., amusement bulletin; 6-6:30, organ recital, Brayton's theater; 6:30-7, Captain's inn orchestra from Seal Beach; 8-9, Press-Telegram program; 10-12, Long Beach Elks No. 888 Midnight frolic.

KFWB, Hollywood, Calif. (252), 7-7:10 p. m., announcements; 7:10, safety first talk, Officer E. C. Brown; 7:20, Jack Boaz, fishing and hunting scout; 7:30, Eye-o-logue, Dr. Marshutz; 7:40, microphone brevities; 8-9, program, John Wright, the Right Tailor, Raquel Nieto, coloratura soprano; Chico de Verde trio; 9-10, studio program; 10-11, Warner Brothers frolic, direc-

KGO, Oakland, Calif. (361.2), 3-4 p. m., San Francisco musical bureau; Clara Pucrinelli, violinist; Anna Lucchesi, pianist; Margaret Bentley, soprano; Ira D. Morgan, baritone; Esther Heller, violinist; book review; 4-5:30, concert orchestra, Hotel St. Francis; 6-6:55, Arrillaga Musical college; Clara Puccinelli violinist; Charles William Warriner, accompanist Charlie Wellman.

KGW, Portland, Ore. (491.5), 7:15 a. m., physical culture exercises; 12:30-1:30 p. m., concert, Rose City trio; 6-7, dinner concert; 8-9, concert; 9-10:30, concert, Sherman Clay and company studio; 10:30-12 m., Hoot Owl frolic.

KHJ, Los Angeles, Calif. (405.2), 6-6:30 p. m., Leighton's Arcade cafeteria orchestra, Jack Cronshaw, leader; 6:30-7:30, history story, Prof. Hertzog; Richard Headrick and Vyola Von, screen juveniles, Uncle John; 7:30, "Romance of Santa Fe Trail," Gladys De Witt; 8-10, program, Western Auto Supply company; 10-11, Don Clark's Biltmore hotel dance orchestra.

KMTR, Hollywood, Calif. (238), 5-6 p. m., Peter Pan hour, Mammy Simmons, Marion Gilmore and Magdalene Schaffer, Anna Lee and Barbara Erdman; 7, "Color Photography," Chas. W. Beam; 7:30, "Wonders of Nature," Prof. Alfred Cookman; 8-10, The Turner orchestra, Loren Powell, director; 10-11, Starr Piano company studio.

KNX, Hollywood, Calif. (336.9), 5-5:30 p. m., Sunny Jim's talk; 5:30-6:15, Wurlitzer pipe organ studio, Town Tattler; 6:15, travel talk, W. F. Alder; 6:30-7, Atwater Kent concert orchestra; 7-7:30, studio program; 7:30-8, program, Eastern Outfitting company 8-9, West Coast theaters; 9-10, Order of Optimistic Donuts; 10-11, dance music; 11-12, Ray West's Cocoanut Grove dance orchestra from Ambassador hotel.

KOAC, Corvallis, Ore. (280.2), 7:05 p. m., musical selections; 7:15, "Business Digest," A. C. Schmitt; 7:30, "Minor Adjustments and Inspection of the Auto," Prof. W. J. Gilmore; 7:45, "Oregon Fuels and Their Economical Use," C. E. Thomas; 8-9, musical program.

KPO, San Francisco, Calif. (428.3), 7-7:30 and 8 a. m., daily dozen exercises; 10:30, "Ye Towne Cryer"; 12 n., reading of the Scriptures; 12:45 p. m., talk from the Commonwealth club luncheon at the Palace hotel; 1:30-2, Rudy Seiger's Fairmont hotel orchestra; 5:30-6, children's entertainment; 6-6:10, "Ye Towne Cryer"; 6:30-7, Waldemar Lind and the States restaurant orchestra; 7-7:10, investment talk, J. C. Wilson; 8-9, studio program; 9-10, Palace hotel dance orchestra, Gene James, director; 10-11, Waldemar Lind and the States restaurant orchestra.

KTAB, Oakland, Calif. (240), 9-9:30 a. m., prayer services, Rev. E. L. Spauling; 8-10, program, Breuner's.

KWSC, Pullman, Wash. (348.6), 7:30-9 p. m., piano solos, Dorothy Burson; Louise Clausen, vocalist, Granville McGucken, violinist; "Physics of Everyday Life," Dr. R. O. Hutchinson; "General Accounting," H. J. Rehn; "Results of Kitchen Improvement Contest for 1925," Gladys Gallup.

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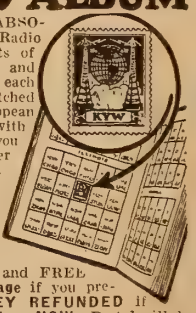

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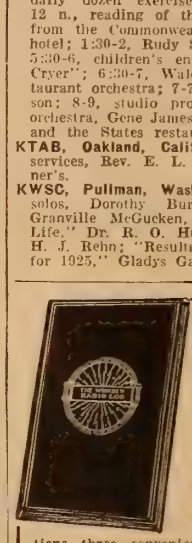

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United States (Cont'd)

NOTE.—The fourth part of the schedule list appears below. Part five appears next week.

WNYC, New York, N. Y. 526 meters. 1000 watts. New York Municipal Radio Station. Announcer Tom Cowan. Slogan, "Municipal Broadcasting Station of the City of New York." Daily 7 pm; markets; 7:30 pm, 10:30, police; 7:35, entertainment; 10:30, weather. Eastern.

WOAC, Lima, O. 261 meters. 50 watts. Page Organ Co. (H. P. Maus). Central.

WOAI, San Antonio, Tex. 394.5 meters. 2000 watts. Southern Equip. Co. (Evening News-Express), Announcer, J. G. Cummings. Slogan, "The Winter Playground of America, Where the Sunshine Spends the Winter." Daily ex Sun, 10 am, weather reports, news; 12:15 pm, 3, 6:15. Tues, Wed, Fri, 8:30-9:30 pm. Sun, 11 am, service; 7:30. Central.

WOAN, Lawrenceburg, Tenn. 282.8 meters. 500 watts. James D. Vaughan. Announcer, James D. Vaughan. Daily ex Sat, 9-10 pm, concert. Central.

WOAW, Omaha, Neb. 526 meters. 1000 watts. Woodmen of the World. Slogan, "The City Surrounded by the United States." Daily ex Sun, Wed, 12:30-1:15 pm; 6-7:30, 9-11. Sat, 11-12 midnight, dance. Sun, 9-10:45 am; 2:30-4 pm; 9-11. Central.

WOAX, Trenton, N. J. 240 meters. 500 watts. F. J. Wolff. Slogan, "Trenton Makes the World Takes." Daily, 12:15 pm, 1:15, weather; 5:15-6, orchestra. Wed, 1:15 pm. midweekly crop report, Sun, 10:15-12:15 am, orchestra. Eastern.

WOC, Davenport, Iowa. 483.6 meters. 5,000 watts. The Palmer School of Chiropractic. Slogan, "Where the West Begins and in the State Where the Tall Corn Grows." Daily ex Sat, Sun, 12:15 pm, weather, Radio Farm school; 1:55 pm, time; 2, closing markets; 3, home hour; 5:45, chimes, 6, music, bulletins, Tues, 6:30-7 pm, 7:30-9; New York program, 9-10. Wed, 4-4:45 pm; 9-11, Thurs, 7-10 pm, 11-12. Fri, 4-5 pm. Crescent orchestra; 6:30, 8-9. Sat, 12:55 pm, 1, 5:45, 6, 6:30, 9-10 pm; 11-12. Sun, 1-2 pm, 6:30-7 pm, church; 8:15-9:15, program; 9:45-11:45, Central.

WOCG, Sycamore, Ill. 205.4 meters. 10 watts. Triple Alliance Radio Station.

WOCL, Jamestown, N. Y. 275.2 meters. 15 watts. Hotel Jamestown, Inc. Announcer, William A. McCutcheon. Slogan, "We're on Chautauqua Lake." Mon, 9 pm. First Mon. each month 9-3 am, Sun. 10:30 am, 7:30-9, Eastern.

WODA, Patterson, N. J. 224 meters, 500 watts, O'Dea Temple of Music. Slogan, "A Voice from the Silk City." Daily ex Sun, 12-1 pm; 5-7, 8:30-11. Eastern.

WOI, Ames, Ia. 270 meters. 750 watts. Iowa State College. Announcer, H. B. Deal. Daily ex Sun, 9:30 am, weather reports; 12:30 pm, chimes, market, weather, educational talks; 9:30, weather. Central.

WOK, Homewood, Ill. 217.3 meters. 5,000 watts. Neutrowound Radio Mfg. Co. Announcer, George W. Allen. Daily ex Sun, Mon, 5-7 pm; 10-1:30, Sun, 1-2 pm, 6-1. Central.

WOKO, New York, N. Y. 233 meters. 50 watts. The Dyckman Radio Shop. Announcer, Oscar H. Sherrane. Mon, Thurs, Sat, 8-12 pm. Eastern.

WOO, Philadelphia, Pa. 508.2 meters. 500 watts. John Wanamaker. Announcer, Jos. N. Nassau. Daily ex Sun, 11 am, organ recital; 11:55, time; 12-1 pm, concert; 4:30, weather; 4:45, organ recital; 7:30, police reports; 9:55, time; 10:02, weather. Mon, Wed, Fri, 7:30-11 pm, music, concert. Sun, 2:30 pm, Sunday school; 6, organ recital; alternate am and pm services, 9:15, alternate Sundays. Eastern.

WOQ, Kansas City, Mo. 278 meters. 1,000 watts. Unity School of Christianity. Tues, 8-9 pm. Thurs, 7-7:45 pm, 7:45-9, Sat, 8-9 pm, 10-11 pm. Sun, 11 am, 7-9:15 pm. Central.

WOR, Newark, N. J. 405.2 meters. 500 watts. L. Bamberger & Co. Announcer, J. M. Barnett. Daily ex Sun, 6:45 am, 2:30-4 pm. Mon, Wed, Sat, 6:15-12 midnight. Tues, Thurs, Fri, 6:15-7:30 pm. Eastern.

WORD, Batavia, Ill. 275 meters. 5,000 watts. Peoples Pulpit association. Announcer, B. M. Rice. Solgan, "Watchtower Station WORD." Tues, Wed, Fri, 7-8 pm; 9-10, Wed, Sat, 8-10 pm, Sun, 10-11 am, 7-8 pm; 9-10:30. Central.

WOS, Jefferson City, Mo. 440.9 meters. 500 watts. Missouri State Marketing Bureau. Slogan, "Watch Our State." Daily ex Sun, first 15 min. of every hour from 9 am-8 pm, markets; 3, N. Y. stock and bond markets. Daily ex Sat, Sun, 5 pm, markets. Mon, Wed, Fri, 8-10 pm, concert. Sun, 7:30-9 pm, church service. Tues, Fri, 5 pm, children's story hour. Central.

WOWL, New Orleans, La. 270 meters. 10 watts. Owl Battery company.

WOWO, Fort Wayne, Ind. 227 meters. 500 watts. Main Auto Supply Co.

WPAK, Fargo, N. D. 275 meters. 100 watts. N. D. Agricultural College. Announcer, Gordon Laing. Mon, Wed, Fri, 7:30 pm. Central.

WPCC, Chicago, Ill. 258 meters. 500 watts. North Shore Congregational church. Announcer, Rev. J. C. O'Hair. Wed, 7-8 pm. Fri, 7:30-9 pm. Sun, 11-12:30 pm; 3:30-5, 8, service. Central.

WPG, Atlantic City, N. J. 299.8 meters. 500 watts. Municipality of Atlantic City. Slogan, "World's Playgrounds." Mon, Tues, Fri, 7 pm. Tues, Thurs, Fri, Sat, 9 pm; 10, classics. Mon, 8 pm, Thurs, 11 pm. Sat, 6:30 pm, concert; 10. Sun, 3:15 pm, organ; 4:15, service; 10, service. Eastern.

WPRC, Harrisburg, Pa. 215.7 meters. 100 watts. Wilson Printing & Radio Co.

WPSC, State College, Pa. 261 meters. 500 watts. Pa. State College. Slogan: "The Voice of the Nittany Lion."

WQAA, Parkesburg, Pa. 220 meters. 500 watts. Horace A. Beale, Jr. Temporarily discontinued.

WQAC, Amarillo, Tex. 234 meters. 100 watts. Gish Radio Service. Irregular schedule.

WQAE, Springfield, Vt. 246 meters. 50 watts. Moore Radio News Station. Announcer, Ernest S. Newell. Slogan: "Boost Springfield." Sat, 11-1 am. Sun, 10:30 am, church service; 7 pm, service. Eastern.

WQAM, Miami Fla. 263 meters. 100 watts. Electrical Equip. Co. Announcer, Frederick W. Mizer. Slogan, "The Most Southern Radiocasting Station in U. S." Daily ex Sun, 6-6:30 pm; 8:15-9:30; 10:30-12:30 Sun, 7:30-9 pm. Eastern.

WQAN, Scranton, Pa. 250 meters. 100 watts. Scranton Times. Announcer, T. V. Nealon. Slogan, "The Voice of the Anthracite." Daily ex Sun, 12:30-1 pm, 4:30-5, news, reports, sports, music. Tues, Fri, 8 pm, entertainment. Sat, 10-12 midnight, dance music. Eastern.

WQAO, New York City, N. Y. 361 meters. 500 watts. Calvary Baptist Church. Slogan: "The First Church Owned and Operated Broadcasting Station in the World." Wed, 8 pm, church service. Sun, 11:30 am, 7:30 pm, church services. Eastern.

WQJ, Chicago, Ill. 447.5 meters. 500 watts. Calumet Baking Powder company-Rainbo Gardens. Announcer, Jerry Sullivan. Daily ex Sun, 11-12 m., women's hour. Daily ex Sun, Mon, 3-4 pm. Daily ex Sun, Sat, 7-8 pm, 10-2 am. Sat, 11-12 m. 3-4 pm, 7-8, 10-3. Mon, 11-12 m, 3-4. Sun, 3-4 pm, 8-10. Central.

WRAF, La Porte, Ind. 224 meters. 100 watts. Radio Club, Inc. Announcer, Charles Middleton. Slogan, "The Voice of the Maple City." Mon, Thurs, Sun, 8:30 pm. Central.

WRAK, Escanaba, Mich. 256 meters. 100 watts. Economy Light Company. Announcer, H. E. Flath. Slogan, "The Gateway to Cloverland." Mon, Fri, 8:30 pm. Eastern.

WRAM, Galesburg, Ill. 244 meters. 100 watts. Lombard College. Mon, 7-11 pm. Central.

WRAV, Yellow Springs, O. 263 meters. 100 watts. Antioch College. Announcer, Charles Hoffman. Wed, 8 pm, music; 9, educational. Sun, 7 pm. Central.

WRAW, Reading, Pa. 238 meters. 10 watts. Avenue Radio & Elec. Shop. Slogan, "The Schuylkill Valley Echo." Announcer, C. M. Chafey. Thurs, 10-11:30 pm. Eastern.

WRAX, Gloucester City, N. J. 268 meters. 500 watts. Flexon's Garage. Announcer, A. D. Flexon.

WRBC, Valparaiso, Ind. 278 meters. 500 watts. Immanuel Lutheran church. Announcer, Forrest Jones. Slogan, "World Redeemed by Christ." Mon, 7:30 pm. Sun, 7:30 pm, church service. Central.

WRC, Washington, D. C. 468.5 meters. 1000 watts. Radio Corp'n. of America. Announcer, Norman Brokenshire. Slogan, "The Voice of the Capitol." Mon, Wed, Fri, 10 am-6:30 pm. Tues, Thurs, Sat, 10 am-12, midnight. Eastern.

WRCO, Raleigh, N. C. 252 meters. 100 watts. Wynne Radio Co. Mon, Fri, 7-8 pm. Wed, 9-10 pm. Sun, 11 am, church. Eastern.

WREC, Coldwater, Miss. 254 meters. 10 watts. Wooten's Radio & Elec. Co. Announcer, S. D. Wooten. Slogan, "The Most Powerful 10-Watt Station in the World." Sat, 9:30-10:30 pm; Sun, 4-5 pm. Central.

WREO, Lansing, Mich. 285.5 meters. 500 watts. Reo Motor Car Co. Announcer, Roy E. Davis. Slogan, "Watch Reo." Daily ex Sun, 6-7 pm, dinner concert; 10, weather, sports. Tues, Thurs, 8:15-10 pm. Sat, 10-12 midnight. Sun, 10 am, chimes; 10:30 am, 7:30 pm, church. Eastern.

WRHM, Minneapolis, Minn. 252 meters. 50 watts. Rosedale Hospital, Inc. Announcer, Troy S. Miller. Thurs, 9-11 pm, music. Sun, 1:30-2:30 pm, children's hour; 2:30-4:30, music, lectures. 9:15-10:30 pm. Central.

WRK, Hamilton, O. 270 meters. 200 watts. Doron Bros. Elec. Co. Slogan, "The Oldest Station in Existence." Fri, 8:15 pm, music, lecture. Sun, 10:15 am, 7:30 pm, church services. Central.

WRM, Urbana, Ill. 273 meters. 500 watts. Univ. of Ill. Tues, 7-8 pm, musical, basketball. Central.

WRMU, New York, N. Y. 236 meters. 100 watts. A. H. Grebe & Co., Inc. Motor Yacht "MU-1."

WRNY, New York, N. Y. 258.5 meters. 500 watts. Experimenter Pub. Co. Daily ex Sat, Sun, 9:44 am, 12:29 pm, 4:14, 6:59. Sat, 9:44 am, 2:29 pm, 6:59, 12-1. Sun, 3-5 pm. Eastern.

WRR, Dallas, Texas. 246 meters. 500 watts. City of Dallas. Announcer, John Thorwald. Slogan, "City of Achievements." Daily ex Sun, Wed, 12-1 pm; 6:30-7:30; 8-9. Thurs, Sat, 12-2 am. Fri, 11-12 midnight. Sun, 8-9 pm. Central.

WRST, Bay Shore, N. Y. 215.7 meters. 250 watts. Radiotel Mfg. Co., Inc. Announcer Louis A. Wittenberg. Slogan, "Radiotel on the Sunrise Trail." Daily ex Sun, 12-1 pm; 8-10:30. Sun, 10-12 m, 4-6. Eastern.

WRVA, Richmond, Va. 256 meters. 1,000 watts. Larus & Bro. Co., Inc. Announcer, Elmer G. Hoelzle. Slogan, "Carry Me Back to Ole Virginny." Mon, Thurs, 9-12 midnight. Eastern.

WRW, Tarrytown, N. Y. 272.6 meters. 500 watts. Tarrytown Radio Research Laboratory. Announcer, Frederick Koenig. Slogan, "Everything in Radio." Daily ex Sun. Wed, 9-11:30 pm. Mon, 7-8 pm. Wed, 10-11:30 pm. Sun, 8-9 pm, 10:30-11:30. Eastern.

WSAI, Cincinnati, O. 325.9 meters. 5,000 watts. United States Playing Card Co. Announcer, P. A. Greene. Mon. 10-12 m. Tues, 5:30-10; 12-1. Wed, 7:30-12 midnight. Thurs, 6:30-10 pm. Sat, 7-10 pm; 12-1:30. Sun, 3-4 pm; 7:45-10:15, 8-10 pm. Central.

WSAJ, Grove City, Pa. 229 meters. 250 watts. Grove City College. Announcer, H. W. Harmon. College activities. Wed. 7:30-9 pm, music, irregular programs. Eastern.

WSAN, Allentown, Pa. 229 meters. 100 watts. Allentown Call Pub. Co. Announcer, C. Fred Ritter. Tues, Thurs, 8:15 pm. Sat, 8:15 pm, 11:30. Eastern.

WSAR, Fall River, Mass. 254 meters. 100 watts. Doughty & Welch Elec. Co., Inc. Announcer, Barton G. Albert. Daily ex Sun, 12-1 pm. Sun, 10:30-12 m. Eastern.

WSAX, Chicago, Ill. 268 meters. 100 watts. Zenith Radio Corp. (Portable.)

WSAZ, Pomeroy, Ohio. 244 meters. 50 watts. Chase Elec. Shop. Announcer, Glenn E. Chase. Sat, 2 pm. Sun, 10:30 am, 2:30 pm. Eastern.

WSB, Atlanta, Ga. 428.3 meters. 1,000 watts. Atlanta Journal. Announcer, Lambdin Kay. Slogan, "The Voice of the South." Daily ex Sun, 12-1 pm, music, weather; 2:30, reports; 5, orchestra, time story; 8-9, concert (ex Wed) 10:45-12, concert. Sun, 5-6, 7:30-9:15, church services. Central.

WSBC, Chicago, Ill. 209.7 meters. 1000 watts. World Battery Co.

WSBF, St. Louis, Mo. 273 meters. 250 watts. Stix Baer & Fuller Dry Goods Co. Announcer, Helen G. Hatfield. Daily, 12-12:30 pm, 3-3:30. Mon, Wed, Fri, 7:30-9 pm. Tues, 11-1 am. Thurs, 10-12 midnight. Sun, 9-10 pm; 11-1 am. Central.

WSBT, South Bend, Ind. 275 meters. 250 watts. South Bend Tribune. Announcer, C. G. Livengood. Mon, Wed, Fri, 7:15-9:30 pm, concert. Central.

WSDA, New York, N. Y. 263 meters. 250 watts. City Temple. Thurs, 7:45-9:30 pm. Sat, 10:45-1 pm. Sun, 7:30-9:30 pm. Eastern.

WSKC, Bay City, Mich. 261 meters. 100 watts. World's Star Knitting Co. Announcer, L. M. Nims. Slogan, "Where the Summer Trails Begin." Mon, Wed, 9-11 pm. Sat, 11-2 am. Eastern.

WSM, Nashville, Tenn. 282.8 meters. 1,000 watts. National Life and Accident Insurance Company. Announcer, George Hay, Sat, Wed, 6:30-8 pm; 10-11. Mon, 6:30-9, 10-11. Sun, 10-11 pm. Central.

WSMB, New Orleans, La. 319 meters. 500 watts. Saenger Amusement Co. and The Maison Blanche Co., Daily ex Sun, 12:30-1:30 pm, 6:30-7:30. Mon, Wed, Thurs, Sat, 8:30-10:30 pm. Central.

WSMH, Owosso, Mich. 240 meters. 20 watts. Shattuck Music House. Announcer, Don Shattuck. Wed, 8 pm. Sat, 10 pm. Sun, 10 am. Eastern.

WSMK, Dayton, Ohio. 275.2 meters. 500 watts. S. M. Krohn, Jr. Slogan, "The Home of Aviation." Daily ex Sun, 12-1 pm; 4-4:30. Daily ex Sun, Tues, 6-7 pm. Sun, 8-12 midnight. Central.

WSOE, Milwaukee, Wis. 246 meters. 500 watts. School of Engineering of Milwaukee. Announcer, O. W. Meissner. Slogan, "In the Land of the Sky-blue Waters." Daily ex Sat, Sun, 5:25 pm, 5:30, 5:45, 6:05. Daily ex Sun, 9-10 pm. Tues, 7:30 pm; 8:45, Wed, 8:30 pm. Thurs, 8:30 pm; 8:45. Fri, 8:45 pm. Sat. 2 pm, reports; 2:05, 8:30, 9. Mon, 2 pm, cooking chat. Sun, 9:30 am; 11. Central.

WSRO, Hamilton, Ohio. 252 meters. 100 watts. Radio Co. Announcer, Harry W. Fahrlander. Slogan, "We Sell Radio Only." Tues, Fri, 8-10 pm. Sun, 2-4 pm. Central.

WSUI, Iowa City, Ia. 483.6 meters. 500 watts. Univ. of Iowa. Announcer, Carl Menzer. Mon, Tues, Wed, Thurs, Fri, 12:30-1 pm. Mon, 7:30 pm. Wed, 9-9:30 am; 7:45 pm. Alternate Mon, 4 pm. Sun, 9:15-9:45 pm. Central.

WTAB, Fall River, Mass. 266 meters. 100 watts. Fall River Daily Herald. Daily, 6 pm, organ. Tues, Thurs, 7:30 pm. Mon, Thurs, 10:45 am. Eastern.

WTAC, Johnstown, Pa. 267.8 meters. 100 watts. Penn. Traffic Co. Announcer, D. B. Cole. Mon, Fri, 7:30-10 pm. Eastern.

WTAD, Carthage, Ill. 236 meters. 50 watts. Robert E. Compton.

WTAG, Worcester, Mass. 268 meters. 500 watts. Worcester Telegram. Announcer. Chester Gaylord. Slogan, "The Voice from the Heart of the Commonwealth." Daily ex Sun, 10:30-2 pm, music, reports; 4-5, music, stocks. Mon, Wed, Fri, 7:15 pm. Tues, Thurs, Sat, 5:15 pm, "The Twinkle-Twinkle Story Teller." Daily ex Sat, 8 pm. Eastern.

WTAL, Toledo, Ohio. 252 meters. 10 watts. Toledo Radio & Elec. Co. Announcer, E. R. Frank. Slogan, "The Gateway to the Sea." Daily ex Sun, 7:30 pm. Eastern.

WTAM, Cleveland, Ohio. 389.4 meters. 3,500 watts. Willard Storage Battery Co. Announcer, A. R. Herske. Slogan: "The Voice from the Storage Battery." Daily ex Sun, 12:15-1:30 pm, 6-7 pm, dinner program. Mon, 8-12 pm, concert. Wed, 8-1 am. Sat, 8-12 midnight, dance. Eastern.

WTAP, Cambridge, Ill. 242 meters. 100 watts. Cambridge Radio & Elec. Co. Announcer. B. Talbot.

WTAQ, Osseo, Wis. 254 meters. 100 watts. S. H. Van Gorden & Son. Announcer, Mrs. C. S. Van Gorden. Slogan: "The Voice of the Wilderness." Daily ex Sun, 10:30 am, 12:15 pm, 6:15, weather, markets; 6:30, code. Tues, 8 pm. Fri, Sun, 7:30 pm. Central.

WTAR, Norfolk, Va. 261 meters. 100 watts. Reliance Electric Co. Announcer, J. K. Bohannon. Slogan, "Down in Old Virginia." Daily ex Sun, 6 pm, Weather, markets, news. Eastern.

WTAT, Boston, Mass. 244 meters. 100 watts. Edison Elec. Illuminating Co. (portable). Announcer, Leon B. Hentz.

WTAW, College Station, Tex. 270 meters. 500 watts. Agricultural and Mechanical College of Texas. Wed, Fri, 8 pm. Sun, 11 am. Central.

WTAX, Streator, Ill. 231 meters. 50 watts. Williams Hardware Co., Radio Division. Announcer, N. B. Williams. Slogan: "Tappa Kegga Nails." Thurs, 8-12 pm. Central.

WTAZ, Lambertville, N. J. 261 meters. 15 watts. Thomas J. McGuire. Mon, 8-10 pm, music. Eastern.

WTG, Manhattan, Kan. 273 meters. 50 watts. Kan. State Agri. College. Off the air temporarily.

WTIC, Hartford, Conn. 475.9 meters. 500 watts. The Travelers Insurance Company. Slogan, "The Insurance City." Mon, 6:30-8 pm. Tues, 6:30-10 pm. Wed, 6:30-8:30; 10-11 pm. Thurs, 6:30-8 pm. Fri, 6:30-12 pm. Sun, 9-10:15 pm. Eastern.

WWAD, Philadelphia, Pa. 250 meters. 250 watts. Wright & Wright, Inc. Announcer, H. W. Feyhl. Slogan, "Penn City Station." Mon, 7:45 pm. Thurs, 7 pm. Every other Sun, 9:30 pm. Eastern.

WWAE, Plainfield, Ill. 242 meters. 5,000 watts. Electric Park. Announcer, Harry B. Ohlhaver. Daily ex Sun, 12:30-1:30 pm; 9-12, midnight, orchestra. Sun, 10:50-12:15 pm, Methodist church; 3:30-4:30, popular program. Central.

WWAO, Houghton, Mich. 263 meters. 250 watts. Michigan College of Mines.

WWGL, Richmond Hill, N. Y. 212.6 meters. 500 watts. Radio Engineering Corp.

WWI, Dearborn, Mich. 266 meters. 500 watts. Ford Motor Co. Wed. 8-10 pm, music, lectures. Eastern.

WWJ, Detroit, Mich. 352.7 meters. 1,000 watts. The Detroit News. Announcer, E. L. Tyson. Mon, Wed, Fri, 7:30-8 am, 8-8:30 am, setting-up exercises; 9:30-9:45, household hints; 10:25-10:30, weather; 11:55-12, time; 12:05-12:45 pm, music; 3-3:55, music; 3:55, markets. Daily ex Sat, Sun, 6-7, dinner concert; 8, music. Mon, Wed, Fri, 9 pm, orchestra. Wed, 10 pm, orchestra. Sun, 11 am, church service; 2-3 pm, concert; 7:20, Capitol theater; 9:15. Eastern.

WWL, New Orleans, La. 275 meters. 100 watts. Loyola Univ. Announcer, O. L. Abell. Sat, 7:30-8:30 pm. Central.

Argentina

B-I, Buenos Aires, Argentina. Francisco J. Brusa.

LOR, Buenos Aires, Argentina. 350-410 meters. 500 watts. Cia Radio Argentina.

LOV, Buenos Aires, Argentina. 350 meters. 1,000 watts. Francisco J. Brusa.

LOW, Buenos Aires, Argentina. 300 meters. 1,500 watts. Grand Splendid Theater. Announcer, Federico A. Dominguez.

LOX, Buenos Aires, Argentina. 375 meters. Radio Cultura.

LOY, Buenos Aires, Argentina. Radio Nacional. Announcer, Osvaldo P. Valla.

TCR, Buenos Aires, Argentina. 325-300 meters. 100 watts. Francisco J. Brusa.

Australia

2BL, Sydney, Australia. 350 meters. 5,000 watts. Broadcasters Limited.

2FC, Sydney, Australia. 1,100 meters. 5,000 watts. Farmer & Co., Ltd.

3AR, Melbourne, Australia. 480 meters. 1,600 watts. Associated Radio Co., Ltd.

5CL, Adelaide, South Australia. 395 meters. 5,000 watts. Central Broadcasters, Ltd.

6WF, Perth, Australia. 1,250 meters. 5,000 watts. Westralia Farmers, Ltd.

Brazil

SPE, Rio de Janeiro, Brazil. 250 meters. 500 watts. Dept of National Telegraphs.

Bahia, Brazil. Radio Sociedade do Bahia.

Belle Horizontes, Brazil. 50 watts. National Telegraph Service.

Rio de Janeiro, Brazil. 6,000 watts. Marconi (Radio Sociedade do Rio de Janeiro.

Sao Paulo, Brazil. 320 meters. 20 watts. Radio Bondeirantes.

Canada

CFAC, Calgary, Alta, Can. 434.5 meters. 500 watts. Calgary Herald. Announcer, Fred Carleton. Daily ex Sun, 1 pm, news, markets, music. Mon, Tues, Wed, 8-9 pm. Thurs, 9-11 pm. (CNRC) Fri, 7-8 pm. Mountain.

CFCA, Toronto, Ont., Can. 356.9 meters. 500 watts. Toronto Star. Announcer, E. J. Bowers. Daily ex Sun, 12 m., weather, news, stocks; 5:30-6 pm, news, stocks, weather, bedtime story. Wed, 8-10 pm, music, 11, dance. Thurs, 8-11 pm, concert. Fri, 6:30-12 midnight, CNRT. Sun, 11 am, 7 pm, church services. Eastern.

CFCF, Montreal, P. Q., Can. 410.7 meters. 1,650 watts. Canadian Marconi Co. Announcer, C. Walter Darling. Daily ex Sun, 12:45-1:40 pm, stocks, music, Mon. Fri, 7-7:30 pm, bedtime stories; 7:30-8:30, music; 9-10; 10:30-11:30, orchestra. Wed, 7-8 pm, orchestra. Eastern.

CFCH, Iroquois Falls, Ont., Can. 499.7 meters. 250 watts. Abitibi Power & Paper Co., Ltd. Slogan, "The Call of the North." Experimental station for forest protection.

CFCK, Edmonton, Alta., Can. 516.9 meters. 100 watts. Radio Supply Co., Ltd. Daily ex Sun, 4-5 pm. Wed, 9-10:30 pm. Sun, 4-5:30 pm. Mountain.

CFCN, Calgary, Alta., Can. 434.5 meters. 1,800 watts. W. W. Grant, Ltd. Slogan, "Voice of the Prairies." Tues, 11:30 pm, Bronco Busters; Wed, 9 pm, Fri, Sat, 10 pm, Sun, (alternate) 11 am, 7:30 pm, service. Mountain.

CFCQ, Vancouver, B. C. 410.7 meters. 5 watts. Sprott-Shaw Radio Co.

CFCT, Victoria, B. C., Can. 329.5 meters. 500 watts. The Deaville Station. Slogan, "The Mecca of Tourists." Wed, Fri, 8-9:30 pm. Every second Thurs, 10:30 pm, 12 midnight. Night Birds, Sat, 10-11 pm. Sun, 11 am, 7:30 pm. 9:30, organ. Pacific.

CFCU, Hamilton, Ont, Can. 340.7 meters. 500 watts. Jack V. Elliot, Ltd.

CFCY, Charlottetown, P. E. I. 312.3 meters. 50 watts. Island Radio Co.

CFDC, Vancouver, Canada 410.7 meters. 10 watts. Western Auto Elec. Co.

CFKC, Thorold, Ont., Can. 247.8 meters. 75 watts. D. J. Fendell. Daily ex Sun, 12-12:30 pm; 5-6. Tues, Thurs, Sat, 8:30-10:30 pm. Sun, 11 am, church service; 2-4 pm, 8 pm, sacred concert, music.

CFMC, Kingston, Ont., Can. 267.7 meters. 20 watts. Monarch Battery Co.

CFQC, Saskatoon, Sask., Can. 329.5 meters. 500 watts. The Electric Shop, Ltd. Announcer, Grant Stevenson. Slogan, "The Hub City of the West Where No. 1 Northern Hard Wheat Grows." Daily ex Sun, 9-10 am; 1:15-2 pm, markets, reports, music. Wed, 8-10 pm. Fri, 9-11:30 pm, dance program. Sun, 11 am, church service. Mountain.

CFRC, Kingston, Ont., Can. 267.7 meters. 500 watts. Queen's University. Discontinued temporarily.

CFXC, New Westminster, B. C. 291.1 meters. 50 watts. Westminster Trust Co. and Hume & Rumble, Ltd. Announcer, C. P. Rumble. Slogan, "Voice of the Fraser River." Mon, Wed, Sat, 7:30-8:30 pm. Pacific.

CFYC, Barnaby, B. C. 410.7 meters. 500 watts. Commercial Radio, Ltd. Slogan, "Canada's Flourishing Young City."

CHCS, Hamilton, Ont., Can. 340.7 meters. 10 watts. Hamilton Spectator. Announcer, H. Earnshaw. Daily ex Sun, 6:45 pm, news, markets, baseball. Sat, 10-12 midnight, dance. Sun, 11 am, 7 pm. Eastern.

CHIC, Toronto, Can. 356.9 meters. 500 watts. Northern Electric Company, Ltd. Announcer, R. W. Lowman. Mon, 8-10 pm. Sat, 8 pm. Eastern.

CHNC, Toronto, Can. 356.9 meters. 500 watts. Toronto Radio Research society. Announcer, R. H. Combs. Mon, 8:30 pm, concert. Programs CHIC CKNC through this station. Eastern.

CHSC, Unity, Sask., Can. 356.9 meters. 250 watts. Horace N. Stovin.

CHUC, Saskatoon, Sask., Can. 329.5 meters. 50 watts International Bible Students' association. Announcer, E. G. Esson. Tues, Thurs, 8-9:30 pm. Sun, 1-2 pm; 7:30-9:30.

CHXC, Ottawa, Ont., Can. 434.5 meters. 250 watts. J. R. Booth, Jr. Fri, 8:30-1 am.

CHYC, Montreal, Que., Can. 410.7 meters. 850 watts Northern Elec. Co., Ltd. Announcer, N. S. Richards. Wed, 8:30 pm. Sun, 7 pm. CNRM programs occasionally. Eastern.

CJBC, Toronto, Can. 356.9 meters. Jarvis St. Baptist Church.

CJCA, Edmonton, Alta., Can. 516.9 meters. 500 watts. Edmonton Journal, Ltd. Announcer, R. A. Rice. Slogan: "The Sunniest Spot in Sunny Alberta." Club, "Igloo Hut." Daily ex Sun, 12:45-1:30 pm, weather, markets. Mon, Tues, Thurs, Sat, 7:30-8 pm. Mon, 8:30-9:30 pm. Wed, 6-8 pm. Sat, 9-11 pm. Fri, 8:30-10:30, CNRE. Sun, 7:30-9 pm. Mountain.

CJCD, Toronto, Can. 356.9 meters. 50 watts. The T. Eaton Co., Ltd.

CJGC, London, Ont., Can. 329.5 meters. 50 watts. London Free Press. Daily ex Sun, 1-2 pm, news, stocks, music. Tues, Thurs, Fri, 7:15-8:40 pm. Fri, 11-12 midnight. Sun, 11 am, 7 pm, church services. Eastern.

CJKC, Burnaby, B. C., Can. 410.7 meters. 500 watts. Pyramid Temple society.

CJSC, Toronto, Can. 356.9 meters. 500 watts. The Evening Telegram.

CJWC, Saskatoon, Sask., Can. 329.5 meters. 250 watts. Wheaton Elec. Co.

CJYC, Toronto, Can. 291.1 meters. 500 watts. De-Forest Radio Corp., Ltd.

CKAC, Montreal, Que., Can. 410.7 meters. 1,200 watts. La Presse. Announcer, Jacques Cartier. Mon, Wed, Fri, Mon. 1:45 pm, orchestra. Daily ex Sat, 4 pm, weather, markets, stocks, reports. Tues, Thurs, Sat, 7 pm, piano lessons; 7:30, concert; 8:30 pm, studio concert; 10:30, dance. Sun, 4:30 pm, sacred concert. CNRM programs 3 first Thursdays of each month. Eastern.

CKCD, Vancouver, B. C., Can. 410.7 meters. 1,000 watts. Vancouver Daily Province. Announcer, William Rose. Slogan, "Canada's Western Gateway." Daily ex Sun, 8:30-9:30 pm, music, news, entertainment. Pacific.

CKCK, Regina, Sask., Can. 475.9 meters. 500 watts. Leader Pub. Co. Announcer, A. W. Hooper. "The Queen City of the West." Daily ex Sat, Sun, Tues, 9:45-10:30 am; 1-1:45 pm; 7:30-8:15, music, news, markets. Tues, 9:45-10:30 am; 1-1:45 pm; (CNRR) 8-10 pm. Sat, 9:45-10:30 am; 1-1:45 pm. Sun, 9 pm, service. Mountain.

CKCL, Toronto, Can. 356.9 meters. 500 watts. The Dominion Battery Co., Ltd. Daily ex Sat, Sun, 10:30 am; 3-4:30 pm. Mon, Wed, Fri, 7 am, 7:15, 7:45, exercises. Tues, 7-11:30 pm. Alternate Thurs, 7-8 pm, Sat, 7-8 pm. Sun, 3-4:30 pm. Eastern.

CKCO, Ottawa, Ont., Can. 434.5 meters. 100 watts. Dr. G. M. Geldert (Ottawa Radio Assn.) Announcer, Dr. O. K. Gibson. Slogans, "Ottawa's Radio Voice," "The Community Voice of Canada's Capital." Tues, 8-10 pm. Sun, 7 pm. services; 9, sacred concert. Eastern.

CKCW, Burketon Junction, Ont., Can. 329.5 meters. 5,000 watts. Canadian Broadcasting Corp.

CKFC, Vancouver, B. C., Can. 410.7 meters. 50 watts. First Congregational church.

CKNC, Toronto, Ont., Can. 356.9 meters. 500 watts. Canadian National Carbon Co., Ltd. Mon, 8-12 midnight. Sat, 4-5 pm; 8-10. Eastern.

CKOC, Hamilton Ont., Can. 340.7 meters. 50 watts. Wentworth Radio Supply Co., Ltd. Announcer, H. Slack. Slogan: "In the Garden of Canada" Mon, Fri, 8-9 pm, music entertainment. Sun, 7-8 pm, church services. Eastern.

CKY, Winnipeg, Man., Can. 384.4 meters. 500 watts. Manitoba Tel. System. Announcer, D. R. P. Coats. Slogan, "Manitoba's Own Station." Daily ex Sun, 10:50-11 am, time, weather; 12:30-1:30 pm, music, lectures, livestock; 2:15 pm, grain markets; 4-5, news, kiddies story. Mon, Sat, 8 pm, lecture; 8:30, music. Wed, 7:30 pm, CNRW program. Sun, 7 pm. Central.

CNRA, Moncton, N. B., Can. 291.1 meters. 500 watts. Canadian National Railways. Announcer, W. V. George. Slogan, "Voice of the Maritimes." Daily ex Sun, 2:45-3:45 pm. Tues, Fri, 8 pm. Atlantic.

CNRC, Calgary, Alta., Can. 435.8 meters. 750 watts Canadian National Railways. Thurs, 7 pm, bedtime story; 9-11. Mountain.

CNRE, Edmonton, Alta., Can. 516.9 meters. 500 watts. Canadian National Railways. Fri, 7:30-8 pm, 8:30-10:30. Mountain.

CNRM, Montreal, Que., Can. 410.7 meters. 1,000-1,650 watts. Canadian National Railways. Announcer, J. S. McArthur. Thurs, 8:30 pm. Eastern.

CNRO, Ottawa, Can. 434.5 meters. 500 watts. Canadian National Railways. Announcer, A. W. Ryan. Wed, Sat, 7:30 pm, markets, bedtime story; 8, 9, 10:30, dance program. Eastern.

CNRR, Regina, Sask., Can. 476 meters. 500 watts Canadian National Railways. Tues, 8-10 pm Mountain.

CNRS, Saskatoon, Sask., Can. 329.5 meters. 500 watts. Canadian National Railways. Daily, 2:30-3:30 pm Mountain.

CNRT, Toronto, Ont., Can. 356.9 meters. 500 watts. Canadian National Railways. Announcer, E. W. Jackson. Fri, 6:30-12 midnight. Eastern.

CNRV, Vancouver, Can. 291.1 meters. 500 watts. Canadian National Railways. Announcer, G. A. Wright

CNRW, Winnipeg, Man., Can. 384.4 meters. 500 watts. Canadian National Railways. Wed, 7:30 pm, bedtime story, farmers' talk; 8, dinner concert; 8:30, studio, 10, dance. Central.

(The above listings complete the stations in the United States and part of the foreign broadcasters. Part V consists of a complete location index of stations and the remainder of the foreign list. This appears next week.)

Photogravures of Your Favorite Artists

GALLERY OF RADIO STARS

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BY SPECIAL arrangement, Radio Digest is able to offer its readers a great opportunity to secure fine photogravures of their favorite Radio stars at practically no cost.

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All that is necessary to secure photogravures from the Gallery of Radio Stars is to send the coupon published each week in Radio Digest, accompanied by ten cents to cover the cost of mailing and postage. Where a series of three photogravures is desired, it will only be necessary to send twenty-five cents and three consecutively numbered coupons clipped from Radio Digest.

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- ☐ Graham McNamee, 1925 Gold Cup announcer
- ☐ Jack Little, popular wandering balladist
- ☐ Paul Small, who won fame through Radio
- ☐ Coon-Sanders "Nighthawks" at KYW
- ☐ George Hay, 1924 Gold Cup announcer
- ☐ Harmony Girls, Edith Carpenter, Grace Ingram
- ☐ Ford and Glenn, Lullaby Boys of WLS
- ☐ "Roxy" Rothafel of WEAF chain fame
- ☐ The Hired Hand, famous "Substitute Announcer" of WBAP
- ☐ Britt and Finch, popular songsters
- ☐ Bob Emery, Big Brother of WEEI
- ☐ "Bill" W. G. Hay, ex-KFKX, now of WLIB
- ☐ Happiness Boys, jovial singers of WEAF
- ☐ Lambdin Kay, "Little Colonel" of WSB
- ☐ Leo Fitzpatrick, "Merry Old Chief," WJR
- ☐ Henry Field, 1925 Gold Cup runner-up
- ☐ Al Carney, organ favorite at WHT
- ☐ Aunt Jane, Ladies' adviser at WOC
- ☐ Vincent Lopez, No. 1 Pennsylvania orchestra

CHECK YOUR CHOICE

- ☐ E. L. Tyson, pleasing voice of WWJ
- ☐ S. W. Barnett, ex-WOC, now WBAL
- ☐ Art Gillham, "The Whispering Pianist"
- ☐ Paul Greene, announcer at WSAI, "bridge voice"
- ☐ Harry Ehrhart, "Dream Daddy" of WLIT
- ☐ Correll and Gosden of "Kinky Kids Parade" fame, at WEBH and other stations
- ☐ Norman Brokenshire, popular at WRC, WJZ
- ☐ Indiana Male Quartet, popular at WEBH
- ☐ Jane Novak, Blues Singer of Twin Cities, WCCO
- ☐ Jean Sargent, the original, now at WHT
- ☐ Ralph Emerson, popular organist at WLS
- ☐ Edna Adams, "Sweetheart of the Air" at KPRC
- ☐ Pat Barnes, vaudeville announcer at WHT
- ☐ R. V. Haller of KGW Hoot Owls fame
- ☐ Henry L. Dixon, ukulele wizard of KYW
- ☐ Quin Ryan, WGN's Uncle Walt and sports announcer
- ☐ "Willie the Weeper," Ernest Rogers, WSB
- ☐ Walter Wilson, "Uncle Bob" of KYW

CHECK YOUR CHOICE

- ☐ Jack Chapman of Drake hotel repute
- ☐ Ray-O-Vac Twins, known country-wide
- ☐ Art Linick, KYW's Mrs. Schlagenhauer
- ☐ Fred Hamm, of WTAS, now WLIB fame
- ☐ Meyer Davis' Le Paradis orchestra of WRC
- ☐ "Senator" Schultz, WLW's illiterate comic
- ☐ "Uncle John" Daggett of KHJ
- ☐ D. R. P. Coats, 1925 Silver Cup announcer
- ☐ Gene Rouse, WOAW's popular announcer
- ☐ Freda Sanker, WKRC jazz orchestra director
- ☐ Irish Ruth Pavey, KOA's invisible stage beauty
- ☐ Queen Titania, star of KHJ Fairyland

If your favorites are not in this list send in a request to have them included in the Gallery of Radio Stars.

COUPON No. 4.

This coupon entitles the holder to one photogravure selected from the Radio Digest Gallery of Radio Stars when accompanied by ten cents to pay the cost of mailing and postage.

Three consecutively numbered coupons entitles the holder to three photogravures when accompanied by twenty-five cents.

RADIO DIGEST PUBLISHING CO.

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How to Recognize Foreign Stations

Radio Digest

EVERY WEEK — PROGRAMS Illustrated — TEN CENTS

REG. U. S. PAT. OFF. & DOM. OF CANADA

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European Wave Lengths and Complete Time Schedules; Basketball and Other Sports; Zingaro Conquers White Plague via Radio; Picking Up Pikes Peak; ABC of Radio

UNIVERSITY SERIES REOPENS OVER KDKA

ENROLLMENT IN CLASSES LARGE DURING WINTER

Courses in Public Speaking and Science Subjects Will Be Offered Radio Audience

PITTSBURGH.—The winter Radio session of the University of Pittsburgh studio of the Westinghouse station KDKA recently opened with a greatly increased enrollment and a greater interest manifested in this form of Radio endeavor.

The two new series of talks are given Tuesday evenings on "Public Speaking" and Wednesday evenings which are reserved for scientific discourses. The Radio campus of the University of Pittsburgh now extends over four continents, and while no credit is given for the courses, the correspondence records indicate that thousands of the Radio audience are supplanting the Radio talks by study and reading, many taking advantage of the publications which are issued in connection with the ether courses.

Information Available

The broadcasts are sent out over station KDKA from 8:15 to 8:30 p. m., eastern time, on Monday, Tuesday, Wednesday and Friday evenings. Monthly programs and other information regarding the courses are distributed by the Radio manager, University of Pittsburgh.

The series on public speaking is being broadcast as follows: Tuesday, January 26, "Methods of Preparation"; Tuesday, February 2, "Effective Speech Style"; Tuesday, February 9, "Conversational Delivery."

"Chemistry and Human Progress" is the general subject of the new science series and will be given as follows: Wednesday, January 27, "Dyes as a Civilizing Factor," A. Lowy; Wednesday, February 3, "Explosives and Human Progress," Gebhard Stegeman; Wednesday, February 10, "Speeding Up That Process" (chemical catalysts), C. J. Engelder; Wednesday, February 17, "Where Will Chemistry Lead Us?" A. Silverman.

Start Two New Courses in Appreciation of Literature

BOSTON.—With the completion of the two courses in the psychology of understanding people and backgrounds of English literature, Westinghouse Station WBZ, is now broadcasting two new educational courses under the auspices of the university extension division of the Massachusetts department of education. The new courses consist of a series of lectures broadcast weekly on Tuesday and Friday evenings at 7:30 o'clock, eastern time.

The individual topics for the coming lecture follows: Jauary 26, The new satire: humorous criticism of American life in drama, in fiction and the magazines. February 2, Amy Lowell, 1874-1925; an appreciation and estimate. February 9, Epic moved and tabloid novel; the case of each. February 16, Colyumnists anl literature; the contribution of living newspaper poets and humorists. February 23, The "Great American Novel"; the most distinguished aspirants for the crown.

Appreciation in music is the subject of the course broadcast on Friday evenings by John O'Shea, teacher, critic and director of music of the Boston school department.

WTIC Begins Second Part Wesleyan Professor Series

HARTFORD, Conn.—On January 20, WTIC began the second half of its series of talks by Wesleyan professors. All of the future talks are to be given at 9 p. m., eastern time. In this series, the various phases of taxation, public speaking, poetry, drama and governments are discussed,

The idea of broadcasting educational talks has been received kindly and WTIC's "Air College" has become very popular. The talks to be given in the second course are as follows:

Jan. 27, "Mathematics—What's It For?" Prof. B. H. Camp; Feb. 3, "Life Insurance: The High Spots," Prof. B. H. Camp; Feb. 11, 7:35 p. m., "United States Form of Government," Prof. L. W. Lancaster; Feb. 17, "The Governments of Great Britain and France," Prof. L. W. Lancaster; Feb. 24, "The Governments of Germany, Russia and the Newer States," Prof. L. W. Lancaster; March 3, "The Why of Income Tax," Prof. K. M. Williamson; March 10, "Cooperation—Its Place in Agriculture," Prof. Fossum; March 24, "Life in an English University," Prof. W. E. Peck; March 31, "Public Speaking for the Business Man," Prof. W. E. Peck; April 7, "The Western Reserve of Connecticut," Prof. W. E. Peck; April 14, "Latin—Then and Now," Prof. K. P. Harrington; April 21, "Modern American Poetry," Prof. Snow; April 28, "Modern English Drama," Prof. H. E. Woodbridge; May 5, "The French Mind as Seen Through French Literature," Prof. T. W. Bussom; May 12, "Automobile Fuels," Prof. C. R. Hoover.

WHAT IS OUR COVER MISS THINKING OF?

DID you wonder what the demure little lady on the Radio Digest cover might be thinking of as she gazes so wistfully into the distance?

First let us present you to Miss Candace Holmes, dramatic soprano of Radio Station WBZ, Springfield, Mass. It may be of interest to you to know that WBZ is one of the best heard stations by our cousins across the sea. And as the time approaches for the thrilling tests and the long call from America to European shores, it is quite reasonable to suppose that Miss Holmes imagines she sees the chalk cliffs of the English coast. Beyond is the home of a baron or a prince or maybe just a nice English boy listening in at some five, six or eight "valve" set. And she is singing, and he hears her and he wonders, wonders—

Well, who can guess the thoughts of a maid when she is dreamily gazing into the distance, as does our Miss Candace Holmes on the cover that you have in your hand?

ANNOUNCER READS GOSPEL IN PULPIT

Milton J. Cross, of Station WJZ, Almost Gives Call Letters Upon Finishing Scriptures

NEW YORK.—Honors of all kinds are heaped upon the heads of the nations' announcers, but Milton J. Cross, WJZ's singing announcer, appears to have been the only one to have been asked to take an active part in a church service.

Dr. Karl Reiland, the rector of St. George's church, whose vespers Station WJZ, here, broadcasts every Sunday afternoon, has always held the broadcasters in high esteem, and often offers prayers for their welfare. Recently the Rev. Dr. Reiland asked Milton J. Cross to come to the pulpit and read the gospel, which invitation was accepted, and the announcer read the scripture not only to the Radio audience but to the congregation assembled in the church.

When questioned about the unique experience, Mr. Cross replied: "Oh, it was'nt so hard, but when I was through I almost slipped and said, 'this is Station WJZ.'"

WJZ Has 14-Hour Schedule

NEW YORK.—The high power station of WJZ here is operating almost continuously from 10 o'clock in the morning until midnight daily, according to the latest schedule of programs released.

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Looking Ahead

Through the little door to the orchestra pit in a Naples theater a small Italian boy squeezed himself to a place where he could listen and learn. The little door led to a great future and the fame of N. De Rubertis, leader of the Kansas City Little Symphony orchestra, heard over WDAF each week. Read about it in the next Radio Digest.

"Toot! Too-oo-oot! . . . Waugh-ee-e! Oink! Oink. Hee! Haw! Haw! Haw!" When these sounds come over the air from WFDM, Beaumont, Tex., it's the real thing. Among the regular properties at this station are a genuine locomotive, a live pig and a Missouri mockingbird. Pictures and story next week.

Agricultural science by air for progressive farmers who cannot leave their farms is one of the features of the Michigan Agricultural college station, WKAR, at Lansing, Mich. This state Radio station also performs other valuable service for its citizens. Details with pictures in the next Radio Digest.

"A Voice in the Radio Assembly of Cities and States" is the mission set for WBAL by President Herbert A. Wagner of the light and power company which sponsors this recently arrived representative from Baltimore. It may be young, but it has a lusty voice. A page of exceptionally interesting pictures of artists appearing at WBAL in next Saturday's Radio Digest.

Milo Gurney, known as "King Miloplex," a recognized authority on Radio, will continue his interesting series on the A B C Fundamentals for Everybody by describing how the sound reaches the receiver and will give a simple explanation of tuning in in Radio Digest next week.

The Day-Fan 5-tube, single control receiver will be the next feature of the Radio Digest's operating and trouble shooting series. The home builders and even owners of other sets may profit by reading the article next week.

Carl Patterson will give the instructions for wiring the Unitrola, single dial receiver for your phonograph cabinet, in next week's issue of the Radio Digest. This little 12" by 16" 5-tube receiver has struck a popular note.

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NEWS BRIEFS FROM THE BROADCASTERS

SOUSA, BAND LEADER, TO BROADCAST FROM KGW

"The Federal Eagle" Week's Drama at KGO—U. S. Navy Band Returns to WRC

John Phillip Sousa, world-famous band director and musician, broadcast a 15-minute talk from KGW, Oregon, recently. Sousa and his band played a short engagement in Portland and during his sojourn in the City of Roses kindly consented to give a brief talk to the KGW Radio audiencee.

* *

"The Federal Eagle," a drama written for the stage by Katherine Browning Miller, Berkeley, California, playwright, will be broadcast by the KGO players, Thursday evening, January 28, under the direction of Wilda Wilson Church. Nine characters will appear before the microphone in the story; and music will be played by the Arion trio.

* *

The January Navy night, a regular Radio feature of WJZ, New York, and WRC, Washington, will be broadcast January 23 from Washington. The music for this program will be furnished by the United States Navy band, Lieut. Charles Benter directing. The Navy band is now in the Capital for the winter, following its successful tour of the South and West during the fall months.

* *

Saturday, January 23, marks the beginning of the Philharmonic concerts for children from WJZ, New York, and WRC, Washington. These programs will be more or less educational.

* *

"Newport" Carl Bamberger, pianist, gives a pianologue through the Crosley WLW broadcasting station every Wednesday evening at 11:40 p. m. central time.

* *

Samuel R. Guard, lay pastor of the "Little Brown Church in the Vale" which broadcasts every Sunday evening from WLS, Chicago, will give an interesting series of sermons dealing with "Jesus, the Real Man." He will use as a basis for his texts "The Man Nobody Knows," written by Bruce Barton.

* *

The best points of interest in American cities are described in graphic manner by W. H. (Billy) Spears, internationally-known travel authority, who is heard Wednesday evening at 8:15 p. m. central time, from the Stewart-Warner station, WBBM, Chicago. "What to See" is the title of his weekly excursions to the various cities of the United States.

* *

June Lee, comedienne of the air, has migrated to New York city and her peppy blues singing may now be heard from WOR, Newark. She is known in the east as "The Vagabond Singer" because her voice has been heard from so many microphones. Middle-westerners remember her at WQJ.

* *

Blanche Elizabeth Wade, who has been broadcasting a series of children's stories concerning the adventures of Sir Hobgoblin for some time past from WEAF, New York, has recently extended her Radio audience. Her Friday evening stories are now heard by the Radio audiences of WEAF, WJAR, WOO, WCAE, WGR, and WEAR from 7:30 to 7:45 p. m. eastern time.

* *

Wednesday night has become Rochester night for WGY. At 6:45 p. m. eastern time the Eastman theater orchestra of Rochester will give a program and at 8:05 o'clock a special program by the combined musical clubs of the University of Rochester will be broadcast from that city in cooperation with Station WHAM.

* *

In order to provide the Radio audience with a greater knowledge of music, the Conservatory of Music, will soon broadcast a series of descriptive talks upon the various phases of music on Tuesday evenings, at 7 o'clock, central time, through the Crosley WLW station in Cincinnati.

* *

Semi-classical music composed when the world's greatest musicians were in their gayest moods will make WSAI a pleasant station to dial for Wednesday evenings at 9 p. m. central time. The Cincinnati Symphony orchestra contributes the artists who will play these popular selections under the supervision of Robert M. Visconti. The popular Blue Grass tenor is the soloist.

* *

By tuning in for WEAF, WCAP, WJAR, WWJ, WEEI or WGR Friday nights at 9 p. m., eastern time, the Radio fan may become an accomplished harmonica player. These lessons are given during the closing five minutes of the Hohner Harmony hour.

$100.00 TO CHAMPION LISTENERS

ALL IS READY FOR OVERSEA RADIO TRIALS

Cuba, Canada, Mexico and United States Silent One Hour Each Night

Test for North America

Last Two Days of Week Will Have Hour Set Aside for Stations on This Continent

Every broadcaster in Cuba, Mexico, Canada and the United States will be silent for a full hour on January 24, and daily for four days thereafter, according to officials of the fourth annual International Radio Week committee, while three-fourths of the broadcasters in the United States, Canada, Mexico and Cuba will be silent in the same hour on the last two days of the week when broadcasters in North America conduct the first North American distance test.

The test hour each night will begin at 11 o'clock eastern time (or 10 central, 9 mountain and 8 p. m. pacific time), the first test hour being on Sunday, January 24. In the hour preceding this, broadcasters in the United States, Canada, Cuba and Mexico will transmit special programs for the benefit of Radio listeners in foreign countries, extra power being used in many cases. Announcers at American stations will give their call letters in several foreign languages in this first period, 10 to 11 o'clock, eastern time, and listeners will soon grow familiar with the languages used, so that on the entry of the American silence the voices of foreign announcers who will come on the air in special programs for American fans will have a familiar ring.

How Week Is to Be Divided

On the first night of the tests, Sunday, January 24, British broadcasters will fill the air. Some of the foremost Radio stars of England are scheduled to appear before the microphone in special programs. When it is understood that 11 o'clock in New York is only 8 o'clock in California, it is 4 o'clock the following morning in London and 5 a. m. at Berlin, then American listeners will realize that the foreign stars are inconveniencing themselves considerably in an effort to entertain Yankee listeners.

On the second night of the tests, Monday, January 25, stations scattered throughout Continental Europe will be heard, while on the three following nights both English and Continental stations will be on the air.

Stations OAX of Lima, Peru, and LOX and LOW of Buenos Aires, Argentina, South America, will also be on the air in the International tests, and will broadcast during the first five nights.

How Fans Must Report Programs

In view of the late hour at which the broadcasters will face the microphones overseas, the Radio Week committee has arranged to receive from the broadcasters overseas who are active, complete logs of their programs. Reception of programs to be wired to Radio Digest or the committee for official verification.

These confirmation programs, as they are styled, will be prepared and edited by the committee and published after the tests are completed. They will also be available after the tests for checking claims of distant reception by Radio fans.

Fans who wish some official recognition of their feats in logging overseas broadcasts should take especial pains to see that their letters outlining the stations heard give the particular number listened to, as well as the exact minute of the reception. The second important point is the enclosure of a return addressed envelope, properly stamped.

Special Continental Tests Friday

On Friday and Saturday of International Radio Week the plan of broadcasting will be varied. During the customary silent hour, instead of hearing the voices of English, French, German or other foreign announcers, the listeners will have an opportunity of hearing stations on the North American continent that have perhaps never come into the listener's set before.

Beginning promptly at 11 p. m. eastern (10 central, 9 mountain, 8 pacific) time on Friday night, January 29, all broadcasters in the United States, Cuba, Mexico and Canada will shut down as usual, except the broadcasters in the Atlantic and eastern time zones. These stations will have the air free for them for fifteen minutes. During this quarter hour it is expected that many Pacific coast listeners will log eastern stations for the first time.

Following the first fifteen-minute period, the eastern stations will shut down, and the broadcasters of the central time zone will occupy the air. At promptly 11:30 p. m. eastern (10:30 central, 9:30 mountain, 8:30 pacific) time, the central time stations will shut down and the mountain time stations will take the air. At 11:45 p. m. eastern (10:45 central, 9:45 mountain, 8:45 pacific) time, the mountain time stations will sign off and Pacific coast broadcasters will take up the programs, occupying the air exclusively for the remaining fifteen minutes of the silent period.

On Saturday, January 30, at the customary silent hour, Canadian stations will have the air free in an all-Canadian period, broadcasting from 11 to 11:15 p. m. eastern (10-10:15 central, 9-9:15 mountain, 8-8:15 pacific) time. The broadcasters in the northern half of the United States will come on the air during the second fifteen minutes of the hour, while broadcasters in the southern half of the United States will occupy the air during the third quarter of the hour. The fourth quarter of the hour everyone will be silent except broadcasters in Cuba and Mexico, where special programs have been arranged for Canadian listeners.

Will Resume Programs

Each night, after the conclusion of the International test period, broadcasters regularly scheduled to operate will come on the air in their regular programs, picking up the schedule at 12 midnight, eastern (11 central, 10 mountain or 9 pacific) time.

In view of the fact that many broadcasters in widely separated sections of the country operate on the same wave length, it is more than possible that fans will find it possible to adjust their sets in advance, counting on the wave length adjustment to bring in the desired distant station the minute the local broadcaster on the same wave has become silent.

Special programs are being arranged by the stations who will participate in the North American tests.

Further world-wide communication records were made during the past year by Westinghouse broadcasting stations when KDKA's programs were relayed in South Africa and Australia and heard in Japan.

Special International Tests
TABLE OF CONTENTS

TO AID American and Canadian fans interested in receiving the test programs during International Radio Week, which is from Sunday, January 24, to Saturday, January 30, inclusive, the following special table of contents is given so that any particular data may be found:

Summary of International Radio Week, what it is and all about it, Page 3, first column
$100 Radio Digest Gold Award, for best foreign reception, Page 3, fourth column
How to Recognize European Stations, "Greetings World".....Pages 4 and 5
London Fails to Get Excited, but cooperation is given.....Page 8, first column
Calendar of the Week's Events.....Page 8, second and third columns
Fame for Listeners Reporting First Reception in their communities, Page 8, fourth column
Principal Foreign Stations, including calls, wave lengths, etc. .....Page 9

YOU MAY HEAR HER ACROSS SEA

Marjorie Hayward, famous English violinist, who is loved by the music lovers of her native land. It is hoped that the strains created by her genius will be wafted across the Atlantic to us, as she is expected to broadcast during the international tests.

GOLD AWARDS FOR WINNERS OF 1926 TESTS

Radio Digest Offers Six Prizes for Best Reception of Foreign Programs

Open to U. S. and Canada

Board of Nationally-Known Radio Leaders to Judge Reports of Listeners In

One hundred dollars in Gold for the best reports on reception of foreign stations during the International Radio Week tests! That is the offer the Radio Digest is making as a contribution to the skill of American and Canadians listeners in picking up programs of Europe and South America between the dates of January 24 and 28, inclusive.

In announcing the contest, the Radio Digest takes another step forward as leader in the art of broadcast reception The prizes are six in number: first, $50; second, $25; third, $10; fourth, fifth and sixth, each $5. In the event of tie, a prize identical in every respect with that tied for, will be awarded to each tying contestant.

The contest is open to every listener in Canada and the United States. There are no strings. The rules and basis of judging appear below.

Well-Known Judges Are Appointed

After carefully looking over the many possible candidates for judges in the Radio Digest International Reception contest, the following board of judges was appointed:

The Editor of Radio Digest, chairman, to represent the broadcast listeners of America and Canada; Hon. Frank W. Elliott, of Palmer School station, WOC, and president of the National Association of Broadcasters, who will represent the broadcasters; and Federal Supervisor of Radio, E. A. Beane, well-known in official Radio circles, to sit as judge and representative of the Radio section of the United States department of commerce.

This board of three judges will view all reports submitted in the contest and will select the winners.

Rules of Reception Contest

1. The contest opens Sunday, January 24, 1926 and will close at midnight of Thursday, February 4. All reports must be received by the Chicago offices of Radio Digest by that time to be considered. Reports received after that time will not be admitted to the contest, but will be confirmed as to their authenticity, however.

2. The reports will be judged upon four points: First, the fullest and most accurate description of programs received; second, the highest number of stations received; third, the greatest distance covered; fourth, the best and NEATEST report.

3. The report must include the name of the manufacturer and the style or type number of manufactured sets used by listeners. If a homemade or "kit" set is employed, the names of the manufacturers of the principal parts or the kit must be included. If headphones or loud speaker were used, the name of the maker must be given.

4. The final note to remember is that the reception contest is only for the first five nights of the tests, from Sunday to Thursday inclusive, and reception of European and South American stations ONLY are to be reported.

Other Contests Are Announced

Besides winning national recognition as successful in the International Radio Week contest conducted by the Radio Digest, the victors in the contest will be pictured in Radio Digest in future issues of this publication.

Several other contests and prizes have been announced by others interested in International Radio Week.

Prohibited Wave Lengths

In Germany amateurs are forbidden to transmit on the following wave lengths: 26, 32, 35, 43, 59 and 74, because these have been adopted for commercial purposes.

"Greetings, World!" Big Radio Test Starts

H. R. H. the Prince of Wales (center) has been asked to address President Coolidge via air on behalf of Great Britain.

One of the keenest wits of 2LO, is John Henry (below), scheduled to greet Americans during test week.

If Americans get any results at all during the International Test Week they will be sure to hear the Orpheans of the Savoy Hotel (below), one of the most famous Radio musical organizations in Great Britain. They have been heard over the air in the United States a number of times.

DX Fans Begin Logging All Nations Tomorrow Night. British Notables Shown Here Considered Among Those Most Likely to Be Heard. How Foreign Stations Can Be Recognized.

ALL SET for the big Derby! The great seven-day International Radio race starts tomorrow night. All DX colts are warned to be at the barrier when the clock strikes the hour set. Although the race is all inclusive, Americans will be most interested in tuning in European stations and probably European stations will be most concerned in trying to pick up the ether waves sent out from this hemisphere.

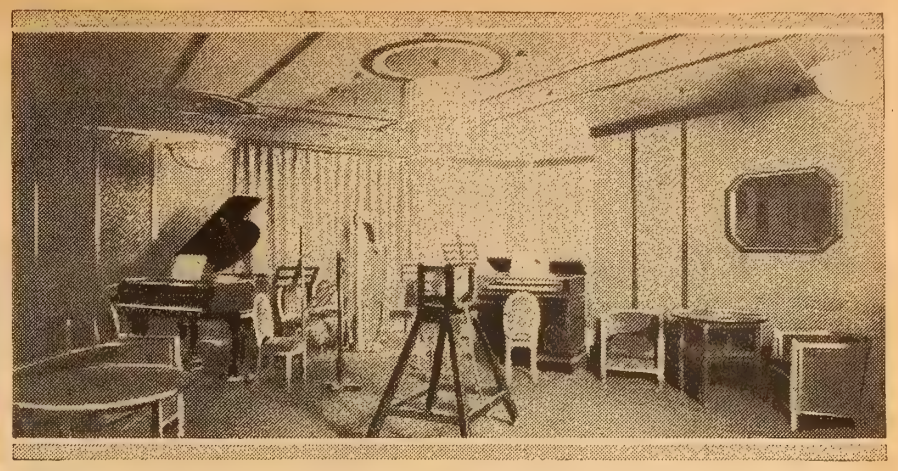
How is your set working, Mr. DX? Everything all tuned up and ready to tune in? Is every available tube in good working order and hitting 100 per cent? Do the batteries spark pretty and snappy? How about all those fussy connections that sometimes let the little weak waves, all tired out from their long run, perish before they can reach the ear? If you don't know how to do the doctoring yourself it will be worth while to let a regular Radio service man do the job.

There will be millions of entries in this great race. Old Boy Imagination may work some shabby tricks on well meaning listeners. Everybody expects something better than ever before in the way of reception. The experts seem to encourage that hope—better sets and better transmission. But there must be no bluffing by cribbing from the published programs and reporting that they were heard in full. No, no, no, can't do that this year. The arrangements committee has arranged a trick system of programs. Some of the numbers that will be published most conspicuously will not go on the air at all. So be dead sure that you actually heard what you think you heard before you go broadcasting your success to the neighbors. You may hear a funny little noise like kidding laughter it you're wrong.

Radio Digest, in this issue, aims to give every DX fan the utmost help. It has kept the cables humming for weeks in order to get the programs as much in detail as possible. On page 9, will be found an interesting table. This page should be in front of every amateur who hopes to catch a snatch of song or an announcement from across the water during the coming week.

ANALOGOUS waves between American and European stations are given. This will help you to find the European station you are seeking, provided it is within the limits of the American waves, that is from 200 to 545 meters. For example, you live in the middle west and you wish to find the London station, 2LO; you find that 2LO has a wave length of 365 meters. On your dials you find that the Kansas City station, WDAF, has 365.6 meters. A hair's difference and you will be tuned for the London station, if other conditions do not prevent. You will probably hear 2LO even at 365.6 meters.

In the same manner you may be able to get Barcelona (Radio-Catalana) on 460 meters which is close to WCAE, Pittsburgh, broadcasting at 461.3 meters. Or you might get Koenigsberg on 463, or FPPT, Paris, on 458 meters.



In the picture at left may be seen the wide-spread antenna of Station Radio-Belgique at Erussels, Belgium. This station is capable of generating six kilowatts but operates on one and one-half. The studio of Radio-Belgique is shown above. Note the wide floor space and peculiar arrangement of microphone in the center. Belgians will greet America over the air from this room with special concerts during International Test week.

Radio-Belgique Popular Abroad

RADIO-BELGIQUE of Brussels on a 263-meter wave length and operating with one and one-half kilowatts of power, is one of the European stations most counted upon for American reception during the International Test week. This point on the dials is near WMAK, Lockport, N. Y., 265.5 meters; or WBCN, Chicago, and KFNF, Shenandoah, Iowa, both on 266 meters. It is one of the liveliest and most enthusiastic of stations in spite of severe handicaps in the way of heavy taxes both for transmission and reception. Monsieurs Huber and Van Soust are the administrators who have made this station popular.

LINKOPING broadcasts on 467 meters, the same as KFI at Los Angeles. Americans who have logged WDWF, at Providence, R. I., on 440.9 meters will find themselves close to Radio-Toulouse, Paris, France, on 441 meters. Then again WEEI of Boston, at 348.6, will be close to "La Petit Parisien" of Paris, with a wave length of 348 or 345 meters.

Parle vous France, soldier?

Nobody needs to tell you, then, that if you hear "Allo! Allo! Allo!" calling through your loud speaker that some French announcer is on the air over there. That is the way the French stations sound off—or, rather, on when they start to broadcast. Just sit back in your chair and say again, "So, this is Paris!" It is, unless it should happen to be Belgium. The Brussels station also calls "Allo!"

However, if it should be the Little Parisian you will probably hear the announcer repeat the call in English. Or should it be the FPPT of Paris, you will hear the announcer say "Emissions de l'Ecole Superieure des Postes et Telegraphes." It has some official connection with the post office and telegraph, so that it has an exclusive advantage in using the telephone lines for distant pick-ups for broadcasting. These include sporting events, theatricals and public speeches.

In Spain the announcer comes on the air like a top sergeant drilling an awkward s q u a d—"Atencion!" (He pronounces it "Aw-tain-thee-own"). They have the call letters EAJ and it is a girl at the mike who announces more often than it is a man. Suppose you are trying to pick up Madrid say again, "So, this is Paris!" It is, unless

This gentleman (above) writes poetry but he doesn't have to depend on selling it for his living. No, indeed, for he is none other than Prince Wilhelm, the poet prince of Sweden. He has been invited to participate in the International Test and Americans may hear one of his poems via ether. Below is one of the 2LO "gangs" that may be heard next week. Robert Hale (extreme left) had just finished a broadcast in the airplane.

at 392 meters (just above WTAM at 389 meters) and everything goes right, you will hear the announcer say "Estacion Radio Iberica" (Ayss-tar-thion Raa-dee-oh Ee-bear-ee-ka). If the International Test could be arranged at an appropriate hour the sounds of a bullfight might be heard, as these affairs are frequently put on the air on a Sunday afternoon.

In Barcelona there are two stations, EAJ1 and EAJ13. The first is called Barcelona and the latter Radio-Catalana. In Bilbao are located EAJ9 and EAJ11. At Cadiz is EAJ3, which opens its hour on the air with the tick of a metronome (tic-tac para syntonizar). We may be fortunate enough to hear the velvety voiced lady who announces at San Sebastian, EAJ8. She clearly enunciates every syllable and frequently the identification is repeated in French and English.

German stations go on the air with a variety of signals. Hamburg, Breslau and Munster proclaim their aerial presence with gongs. These gongs are also rung between the various numbers on the programs. Munster sends out the letters MS in code. The announcers call "Achtung!" (Awk-tung!) or "Haa-low!" This is followed by the name of the town.

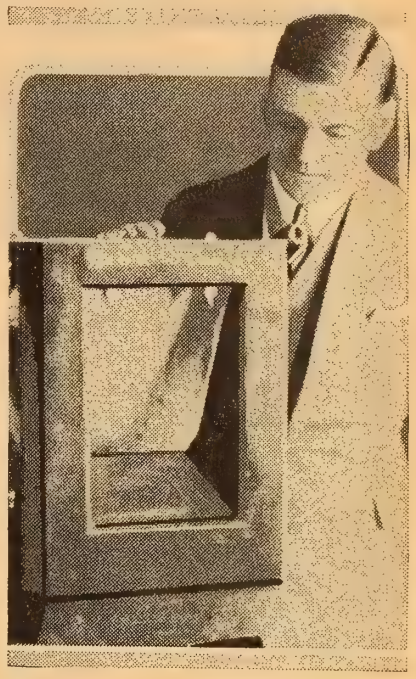
BERLIN can be picked up on three wave lengths—if your dial is big enough. The 505-meter length, however, is the one most likely to be heard by listeners in America. This is not far below KLX, Oakland, Calif., or WIP and WOO of Philadelphia, who are all on 508.2 meters. Koenigswusterhausen is claimed to be the first broadcasting station in the world. The date given for the first broadcast concert is June 19, 1920. The history of broadcast in America, disproves this claim, however, as there were two stations going here previous to 1920.

We have small hope of hearing anything from Austria as the Radio has not been developed there so extensively as it has in other European countries. The two principal stations are Vienna and Graz. The former comes on the air with the code signals for V (...— ...—) followed by the announcer's call "Hallo! Hallo! Hier Radio-Wien auf Welle 530 meters." Graz announces similarly except it uses the code for RV (.—. ...—).

There is very slight chance of the Czecho-Slovakian stations spanning the Atlantic. But if the elements are very kind the Prague-Strasnice may be distinguished by the announcement "Zde Radio-Journal Praha." The conclusion is indicated by the anthem, "Kde, domov muj" or "Pod Tatron se blyska."

If you are trying to get a red glow in your bulbs by tuning in Moscow, you may hear this, "Eto goboryt Moskowskaia Centralnaia Radiotelefonia stansia stantsia imeni Kominterna."

To take the Siberian shivers out of our spines let's turn the dials down to sunny



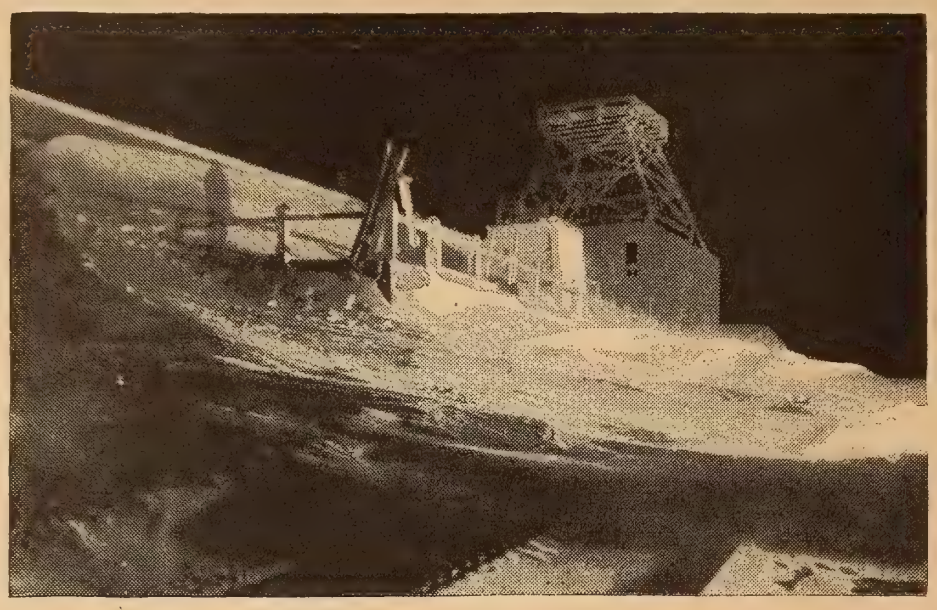
Close-up view of Marconi microphone (above) being demonstrated in Radio-Belgique studio by the literary director. Note the substantial proportions and sturdy support.

Italy. You will know you are there when you hear a sonorous, ringing feminine voice announcing, "Unione Radiofonica Italiana, Radio-Roma." This station transmits almost with the same strength as Barcelona, and it is quite probable that many American listeners will hear Rome, Italy, over the air during the test week. It also is possible we may hear Radio-Milan from Italy.

In Switzerland, we may possibly hear "Societe Romande" at Lausanne or "Radio-Geneve" from Geneva. Sweden calls "Hallo! Hallo! Radio-Stockholm." Oslo, announces in English. Hilversum is the principal broadcasting station in Holland, and you may hear it coming through the starlight thus: "Hier Het Hilversumsche Omroep. Radio Statie Hilversum." For the benefit of the English neighbors across the channel, the announcer generally adds "Hilversum station calling."

Incidentally DX trotters are advised to dig up some of the principal language dictionaries and concentrate on pronounciations. Yes, sir! International broadcasting is certainly destined to bring about a universal language. You'll agree, after hearing—that is, IF you hear—a couple of dozen European announcers describing the last and next numbers.

Brave Pikes Peak Snows to Thrill Listeners



THESE pictures show progress of Colorado adventurers as they started to climb up famous mountain New Year's Eve for Radio stunt. Lower—plodding up snow banks level with telegraph wires. Center—arrival at Summit House, top of Pikes Peak. At top—structural work where fireworks welcomed New Year—part of house buried in snow. Their experiences were broadcast to Radio listeners throughout nation.

Ten Dare Death to Reach 'Top of World'

For KFXF

By H. P. BROWN

ANOTHER thrill was furnished to Radio listeners last New Year's Eve when a party of ten men ascended the steep and rugged sides of Pikes Peak to set off flares and rockets that made the sober old peak look like Vesuvius on a spree. The scene was visible for 150 miles.

Details of the adventure and descriptions of the scenes were broadcast from the studio of the Pikes Peak Broadcasting company at Colorado Springs under the direction of W. D. Pyle, chief announcer and manager.

Making the cold brow of Pikes Peak before the winter snows have melted is no stroll through Peacock Alley as the writer may very well affirm through personal experience. These men of the Adaman club who climbed the 14,108 feet to the top toiled through the night and a stinging snow storm.

It takes reserve and persistence. Up one incline, a sharp turn and a plodding, dogged push to the next. There is no place to rest. Stand still and you perish for there are no dwellings after you get into the upper fringe of timberland.

Weird winds swirl and screech through the crags and boulders. Ghost trees stretch out forbidding arms all gnarled and twisted in their struggle for foothold on the naked flanks of rock. House high drifts bar the road to all vehicles. One must skirt the edges of these or crawl like a snake, dragging such supplies of food and blankets as may be needed.

Here the wind has swept the road bare of snow and the gravel craunches under the dragging web as the climber plods along gathering fresh breath for the next battle and the next thousand feet. Here's a short cut where the drift is a help rather than a hindrance. It slopes down covering scrub and topsy turvy rocks like a smooth and slippery gable to another treadway rooftreet 300 yards above.

* *

SLIP and you are due for a long roll. Remove your snowshoes and you sink out of sight in a soft, feathery cloud. But you squirm and drag along, pulling your load—for every man must carry his share of the necessary accessories and you come again to the telephone line with the snow up to the armpits of the poles and you know that once more you are on the regular road.

Suddenly you discover that the light is fading out of the sky. Soon it will be dark. Your cheeks, numb where they are exposed, and raw where the edges of the goggles have worn through the skin, remind you that they are still capable of sensibilities for the sleet comes dashing with the wind to bite and sting you to the quick.

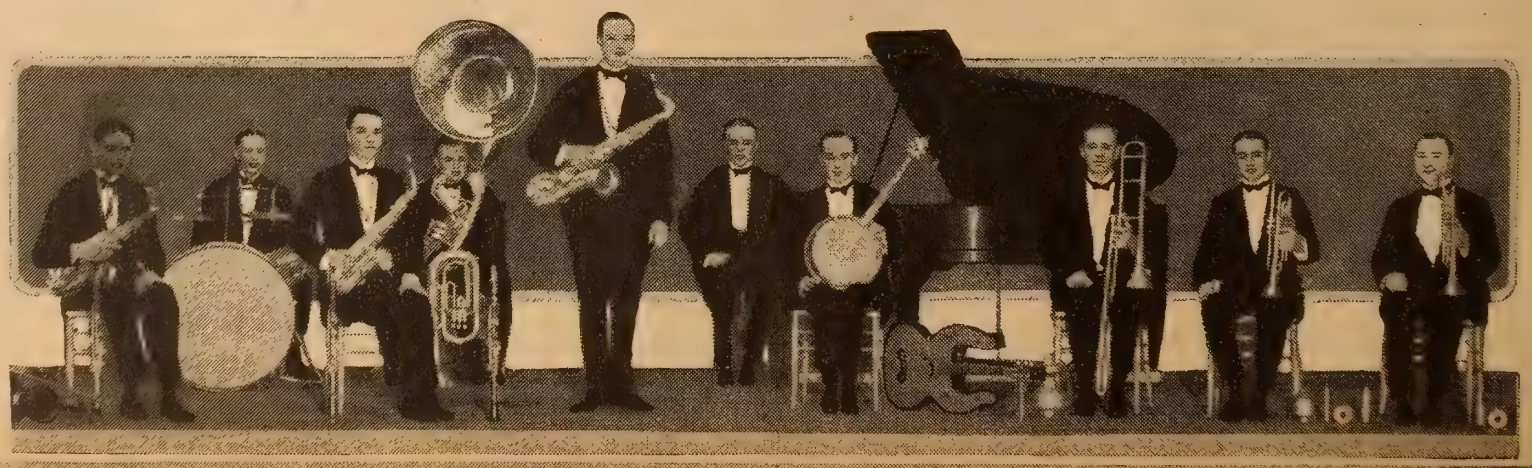
Darkness and a lowering snowstorm! Thank God for good, staunch companions or your heart would stand still. Death has come to others in these barren heights and it will come again for others—but not for you. You fill your lungs full but you do not relax—not yet. You must push on and upward. At the top there is a house. It will afford shelter and there is chopped wood beneath the drifts near the door.

Twilight settles down. The moon is now clearly defined and the stars are coming through the blue. The party is all together again. There will be no more straggling. But before the last lap you halt for a few minutes to sit on your packs and counsel with each other. The plans are decided. All has gone well. The guide is confident. Two hours—or possibly two and a half—and you will be at the top.

It is already dark beneath the clouds that have

(*Continued on page 29*)

While the reports came in from the ten mountain climbers and their progress on New Year's Eve at Station KFXF, Warner Stone's Columbians (below) furnished the music.



Radio Breaks Silence of Shepherd's Night

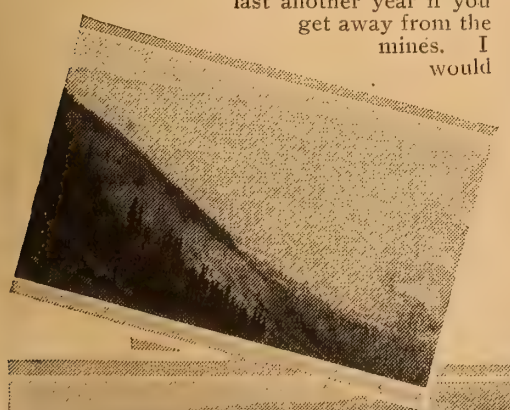
WORLD War Hero Leaves Mines to Fight White Plague, Wins, Then Conquers Loneliness of Sheep Camp in Montana Foothills

The "real guardeens of the flock," writes Zingaro of the two sheep dogs (above). Shep, the black one, has three coyote pelts to his credit. Babe, the pup, has the thrill of his first kill yet to come. "You have one year to live unless you leave the mines and get 12 hours of sunshine each day," said a Pennsylvania doctor to Zingaro (above, right).

SOMETIMES even a Radio listener can be the hero of an interesting story. This statement may be questioned and even scorned by a few of our very celebrated personalities who take the air night after night from the leading broadcasting studios of the nation. But we submit to the readers of Radio Digest the life story of the extraordinary listener, sheep herder and Radio fan in the desolate canyons of the Crazy mountains, Mr. "Zingaro of 636, Big Timber, Montana."

Zingaro came out of the world war the straggling shell of a human being. The murderous artillery and trench life had drained his vitality to the limit. But he sought again to take up the current of his interrupted existence in the coal mines of eastern Pennsylvania. He went down to the black pits to dig for his daily bread, but quickly found the guns and the gas had been too much for him. The dust choked him. His buddy helped him to the receiving ward where a white aproned doctor looked him over critically, wiped a blood fleck from his lips and thumped him on the chest.

"I think you will probably hold out for another year," said the medical man with a long finger slowly digging into the depths of his stubby beard. "You might last another year if you get away from the mines. I would prescribe about twelve hours of sunshine a day mixed with liberal doses of 100 per cent atmosphere."



"So far and no farther," said Shep to the committee of three sent forward to negotiate (above). "Mary had a little lamb," the bedtime story teller was saying at Omaha—so the lambs listened in (in circle). Barney, Zingaro's pony on narrow ledge. Flocks in Crazy Mountain foothills (below).

Disheartened and sick as he was, the vet had faced death too often to give up. So he liquidated his few assets and shook the coal dust of Pennsylvania from his old hobnailed brogans.

* * *

CONDUCTOR Flannagan had held the freight for a half hour on the siding at Big Timber waiting to the Northcoast Limited to pass. He was fingering the tissue paper orders when Tony, the head brakeman, jumped down from a gondola beside him.

"That lunger bozo in the box car got off," said Tony.

"You didn't make him, did you?" asked Flannagan.

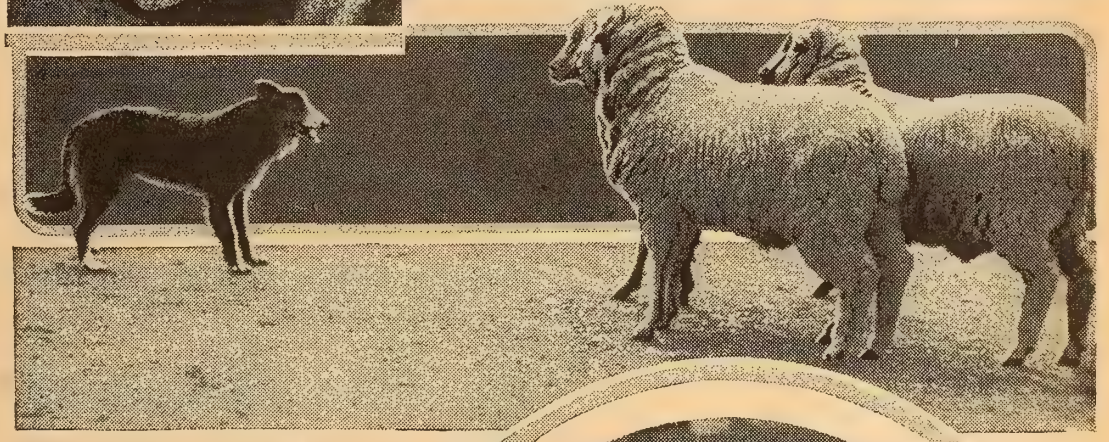
"No, he never knew we was wise to his being in the old box car. It's a shame ain't it, a guy all shot to pieces like that havin' to bum his way. Maybe he'll get his steam up again here. There comes Forty-nine, now."

Zingaro stumbled his way up the narrow street of the little Montana town. He leaned against a post in front of the drug store and looked off at a snow-capped mountain. The boss of the Hanan sheep ranch came along with a bunch of letters he had just received at the post office and stopped to give the stranger a curious appraising look.

"Excuse my being nosey, but you appear kinda glum, stranger. What's up?"

Zingaro said he was hungry and wanted a job. He'd take any kind of a job, so long as he could get twelve hours of sunshine a day and large doses of 100 per cent air.

"I got the job for you, so cheer up. You're goin' to 'tend sheep where you can get all the air and (*Continued on page 24*)



FAME AWAITS HE WHO GETS FOREIGN CALL

First to Get Stations Each Night to Be Nationally Known

Daily Reports to Press

Radio Digest Has Experts Scattered over Country to Provide Fans with Latest Information

Every minute of the International tests will be reviewed by a large staff of Radio Digest observers scattered over the country and listening in with the most sensitive types of receivers. The reports of these observers, who will not enter the contests because of their professional rating, will be available to American and Canadian fans who wish to obtain any information concerning the International broadcasts, etc.

Fans in the eastern half of the country are directed to write or telegraph PREPAID to the New York city offices of Radio Digest, located at 247 Park avenue, New York city. Fans in the Middle West and western states or western provinces of Canada are directed to write or telegraph PREPAID to the Chicago offices of Radio Digest, located at 510 North Dearborn street, Chicago, Ill.

No matter which office is communicated with, information will be telegraphed COLLECT, unless the inquiring listener-in makes it plain that the information is to come by mail. The latter method, however, is not recommended on account of the short span of time occupied by the tests.

First Reception Report

The fan who is sure he has received foreign stations FIRST in his locality, should immediately telegraph PREPAID to the closest Radio Digest office, New York or Chicago. The Radio Digest will release information to the press at large concerning these first receptions.

Telegrams must contain a short sketch of the program received, the call letters of the station heard, the local time received, the approximate meters wave length, and the address of the listener.

If satisfied that the sender of the telegram was first to receive a foreign station in his or her town or locality, after having checked the details against the bona fide data in the offices of the Radio Digest, this publication will make nationwide release of the information, giving credit to the successful listener.

Inasmuch as tens of thousands of listeners will no doubt take advantage of this means of receiving credit for their work, it is emphasized that telegrams must be sent PREPAID. No COLLECT telegrams will be received.

Who will get the credit in your community? Send the telegrams any one of the five foreign test nights (SUNDAY, MONDAY, TUESDAY, WEDNESDAY or THURSDAY). Press reports will be issued each night.

Official International Tests
CALENDAR OF EVENTS

THE following official calendar of events has been announced by the International Radio Week committee for the tests beginning on Sunday night, January 24, and ending on Saturday night, January 30:

Sunday to Thursday, inclusive: From 11 to 12 p. m. eastern time, 10 to 11 p. m. central time, 9 to 10 p. m. mountain time and 8 to 9 p. m. pacific time, silence will be observed by American, Canadian, Mexican and Cuban broadcasters. High power stations in England, Continental Europe and South America will be on the air. Details on page 8.

Friday: Beginning at 11 p. m. eastern, 10 p. m. central, 9 p. m. mountain and 8 p. m. pacific time, and continuing for the first quarter of the hour, broadcasters in the atlantic and eastern time bands will be on the air while others remain silent. The second quarter of the hour will be occupied by central time band stations while all others remain silent. The third quarter of the hour will be used for sending by mountain time band broadcasters while all others remain silent. The fourth and remaining quarter hour will be given over to broadcasts from stations in the pacific time band while all others remain silent.

Saturday: Beginning at 11 p. m. eastern, 10 p. m. central, 9 p. m. mountain and 8 p. m. pacific time, and continuing for the first quarter of the hour, Canadian broadcasters have the air. The second quarter of the hour broadcasters in northern United States will be on. The third quarter of the hour, southern United States stations broadcast. The fourth and remaining quarter hour will be given over to stations in Cuba and Mexico. Only one of the groups will be on the air during any one quarter hour.

British Notes

For an hour's broadcasting from 2LO, London, Chaliapin, the world-famous Russian basso, received a fee of $5,250, which is the highest fee ever paid a single artist for broadcasting, eclipsing the previous record of Mme. Tetrazzini by $250.

* *

As illustrating Radio's influence in Britain, a lecturer, broadcasting on architecture, expressed his willingness to describe Southwark cathedral at 11 o'clock on a certain day. One thousand people were there to meet him.

* *

One result of the British postmaster general's successful prosecution of an unlicensed listener has been the taking out of hundreds of Radio licenses throughout England in a brief time.

* *

The first step towards the installation of broadcasting facilities at Britain's universities has taken form in the opening of a new studio of the British Broadcasting company at Oxford. The Oxford studio can only transmit via 2LO, with which it is linked up by land line. There is no high power station at Oxford. For 5XX to broadcast the Oxford program necessitates a double relay, Oxford-London and London-Daventry.

Frankfort, Germany, Builds New High-Powered Station

FRANKFORT, Germany.—A new high power broadcasting station will be ready here in February. This station will operate with the same power capacity as Konigwusterhausen and Munich, 10 kilowatts, and will be a vast improvement on the present Frankfort station.

Frankfort has at present 65,000 listeners and the number is steadily increasing, the programs being constantly improved. Opera is broadcast once a week from the Opera House, and concerts are transmitted regularly from the Saalbau.

Wins $50 for KMA Slogan

SHENANDOAH, Iowa.—Walt Adams of Omaha, Nebraska, is the winner of a $50 prize for submitting the slogan, "Keeps Millions Advised," to station KMA, May Seed company here. The contest brought forth over 4,000 slogans. The second prize slogan was "The Nursery and Seed Station in the Heart of a Nation."

Station Changes

An additional call has been given WDWF, Cranston, R. I. When the Lincoln studios at Providence are used, the call letters WLSI will distinguish it from the original station. Anchorage, Alaska, has a new broadcaster, KFQD, 227 meters, 100 watts.

It is rumored that a new Florida station, WCOA, will open this month in Pensacola. This broadcaster will be called the City of Pensacola and will use 222 meters, 500 watts.

The following stations were deleted last month: KFRM, Fort Sill, Okla.; WCUW, Worcester, Mass.; KFUM, Colorado Springs, Colo; WEBT, Dayton, Ohio; WJD, Granville, Ohio; WTAT, Boston, Mass.; KFXE, Waterloo, Iowa; WCAH, Columbus, Ohio; KFBG, Tacoma, Wash.; WLAX, Greencastle, Ind.; KFUJ, Breckenridge, Minn.; KFJX, Cedar Falls, Iowa; WTG, Manhattan, Kan.; KFGC, Baton Rouge, La.; KFRY, State College, N. M.; WOAC, Lima, Ohio; KFWP, Brownsville, Tex.; WHBY, West DePere, Wis.; WHBR, Cincinnati, Ohio; KFVU, Eureka, Calif.; WGBQ, Menomonie, Wis.; KGB, Tacoma, Wash.; WOCG, Sycamore, Ill.; WPDQ, Buffalo, N. Y.; WHAG, Cincinnati, Ohio; WLB, Minneapolis, Minn.; KWUC, Lemars, Iowa; KDPM, Cleveland, Ohio; WCBG, Pascagoula, Miss.

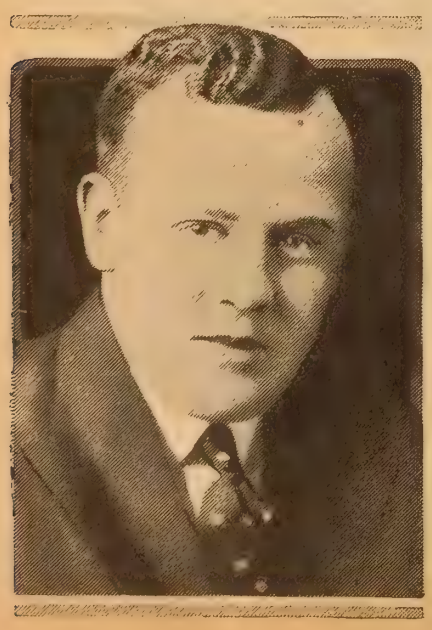
Two New Announcers Heard For First Time Over WEAF

NEW YORK.—The discerning listeners of WEAF have heard for the last few weeks the voices of two new announcers.

The first of these new announcers is Ralph Wentworth of Englewood, N. J., who is announcing for his first time. Mr. Wentworth is a native of the West, but upon being discharged from the army located in New York city, in order to further his musical education. He has played in musical comedies and on a leading vaudeville circuit in addition to frequent church, solo and recital appearances.

The second announcer who joined the WEAF organization recently is Archie Coates, of New York city. He also is announcing for the first time in his career. Previous to his connection with WEAF, Mr. Coates was assistant music critic of one of New York's leading daily papers. He is the author of a book of verse.

Europe's Jazz King



LONDON AIR FANS FAIL TO GET THRILLED

England and Continental Europe Refuse to Be Excited About Overseas Tests

Will Read About It Later

Although Stations Bending Every Effort to Make Trials Success, Listeners Retain Composure

By A. C. Blackall
(London Special Correspondence)

LONDON, England.—Despite the furore in America over the International Radio Week reception tests, London and Continental Europe refuse to get excited. In fact, London, Paris and Berlin still wonder what it's all about. The smaller cities in England and Europe haven't even started wondering.

Europe generally is far behind the United States and Canada in Radio interest. So the special international tests prove no exception.

American and Canadian stations attempting to send their programs to Europe during the test periods set aside for this, will find but a very small audience attempting to dial them in. In the first place, the fans would necessarily have to listen in between three and five oclock in the morning to hear the "special" programs. In the second place, English listeners expect their stations to do the listening for them. If the stations hear America or Canada loud enough to rebroadcast them, and do so, even that will not excite England or France.

Will Read About It Later

The fact is, English and other European Radio fans will be more than content to read the account of the reception and the possible rebroadcasts in their morning daily papers at breakfast time. But take it from one who knows the Englishman, the latter in reading his newspaper will be far more interested in news of Indian uprisings, Australian affairs of state, shipping and commerce items, and the latest status of the heart of David Windsor—His Royal Highness, the Prince of Wales.

English Radio is satisfactory without worrying about the bally programs from North America. The French have their attention on the Dreuses. The Germans are busy rebuilding their economic and moral structure. The Russian have all they need to worry over. Italy is kept busy watching King Victor Emmanuel and Mussolini.

Therefore, the international tests, as far as enthusiasm is concerned, are apt to be more or less lop-sided.

Europe Extends Complete Cooperation

Europe, however, is bending every effort to make the venture a success. As in the past two years, artists of the highest calibre are agreeing to make their appearance at the various studios at about the time the milkman is scheduled to deliver milk.

The best Europe has to offer will be on the air for Americans and Canadians to receive. Perhaps the artists may seem a little sleepy, but considering the fact that the broadcasting in Europe is being done around five and six oclock in the morning European time, North American listeners should have no cause for complaint.

The plans are laid. Everything is prepared. A wonderful week is in store for the American and Canadian distance-loving listeners. But Europe will not get the same thrill the other side of the Atlantic ocean experiences.

The photograph at the left is of no other than Jack Hylton, himself, who is considered the "Jazz King" of England and Europe. Below he is standing with his orchestra, one of the most famous outside of the United States. It is probable that they will be featured during the tests.

FOREIGN STATIONS MAKING TESTS

ENGLAND WILL HAVE FIVE BROADCASTERS SENDING PROGRAMS

America Should Get Some of Greatest Broadcasts Ever Placed on Air

Lend Talent for Event

British Broadcasting Company Giving Full Cooperation in Making Tests Greatest in History

LONDON.—Five of the great English broadcasting stations will participate in the international broadcasts to be held during the coming week, and America should be entertained with the greatest talent the British Isles can muster for the event. The British Broadcasting company has entered into the overseas tests with enthusiasm and have lent the fullest cooperation of which their great organization is capable.

The English stations which will endeavor to bridge the Atlantic through the ether are London 2LO, 365m.; Manchester 2LY, 377.5m; Newcastle 5NG, 326m; Daventry 5XX, 588m, and Cardiff, Wales, 5WA, 353m.

The British Broadcasting company has been working on the preparation of programs for the tests and will undoubtedly be heard in many sections of this country. It has been announced that the greatest number of recognized artists to take part in any one enterprise or endeavor in the history of the Islands will appear before the microphones of the five stations.

Harry Lauder Makes First Appearance at Microphone

LONDON.—Sir Harry Lauder, the world-famous Scottish comedian, has at last overcome his overpowering shyness to Radio audiences, and made his first broadcast before the "mike" at 2LO. For half an hour Sir Harry sang all the most popular songs in his repertoire, and although these pieces have been heard by millions, no one audience of such vast proportions has ever before listened to his voice.

Cuba Makes Plans

TUINUCA, Cuba.—Cuban broadcasting stations are making special plans for cooperation in the international Radio broadcasting tests, according to Frank H. Jones of Station 6KW, and chairman for Cuba of the International Radio Week committee.

Announcements will be in Spanish and English from practically every station on the air in these special tests, with increased power possible from a number of the more important broadcasters. Cuban stations will also observe the silent hour from 11 to 12 o'clock each night when all American and Canadian stations will be off the air.

Peru Has Great Program

LIMA, Peru.—Station OAX, here, is making one of the most pretentious preparations for the international test week exchange of programs of any of the broadcasters taking part. The station has just been overhauled for the experiments and an increase made in the power rating of the transmitter. During the tests it will broadcast on 380 meters.

2LO TO OPEN TESTS WITH ORGAN MUSIC

ALTHOUGH the detailed programs arranged by 2LO were mainly tentative at the time this issue of the Radio Digest went to press, it was practically definitely decided that the famous English station would open its participation in the international broadcast exchanges at 4 o'clock Monday morning (11 o'clock, eastern time, and 10 o'clock, central time) with a recital from Sheperd's Bush Empire London organ.

Programs of Paris Not So Varied as America's

Radio entertainment in lands beyond the sea is not near so varied as in most any large American city. As an illustration, here is an announcement of Radio programs for Paris:

"Eiffel Tower (Wave length 2,750 meters). 6:15 p. m. concert; weather reports and signals at the usual hour.

"Radio Paris (Wave length 1,750 meters). 12:30 p. m., concert; 1:45 and 1:50 p. m., news bulletin and exchange rates; 4:30 p. m., exchange rates; 4:45 p. m., concert; 5:45 p. m., news bulletins and exchange rates; 8:15 p. m., medical bulletin; 8:30 p. m. news bulletins and exchange rates; 8:45 p. m., Italian music festival.

"Ecole Superieure (Wave length 458 meters). 3 p. m., concert; 8 p. m., scientific bulletin; 8:30 p. m., Italian gala opera "Rigoletto" from the Grand theater, Geneva, performed in honor of the League of Nations.

"Petit Parisien (Wave length 345 meters). 9:15 p. m., popular scientific lecture, 'What is Life,' by Prof. R. Dubois."

New Ingenius Radio Device Records Talks Permanently

LONDON, Eng.—A remarkable new device for the permanent recording of all Radio messages, or of certain business messages only, has just been perfected here. It is known as the "Telegraphone."

The apparatus comprises a small, mica-faced box rather similar in appearance to the dictaphone. Upon making or receiving a Radio call a button is pressed when the ordinary receiver is taken up and the operator proceeds in the ordinary way. Upon concluding it is merely necessary to press another button, pick up a small pair of earphones, and listen to the complete conversation.

It is unnecessary for the machine to be near the reeciver at all, the actual apparatus, if necessary, being stored in a cupboard.

More German Listeners

The number of broadcast listeners is increasing in Germany at the rate of nearly 50,000 a month. The total figure is now well above a million and it is expected that the stimulus of the international tests will greatly increase this figure.

Radio Prevents Study

So much enthusiasm has been aroused in Tokio by broadcasting that school pupils have neglected their studies in order to listen, especially in the evenings when they ought to do their lessons. In view of this the authorities have decided to forbid them to listen during their evening studies.

LONDON.—The Dutch Hussars are conducting experiments to determine how far it is possible to make use of Radio in cavalry maneuvers. A set is attached to the pommel of the saddle, and with this the rider starts out.

To Publish Test Programs Later

NEW YORK.—At the last moment it was decided by the International Radio Week committee to withhold programs of the principal European stations participating in the international tests. It was decided to publish the test programs the day after their broadcast in the daily papers of the country. This plan puts all the listeners in on their metal and prevents false claims for reception. It was the consensus of opinion of the International Radio Week committee that the advance foreign schedule be published only after the test was made. Too many valuable prizes and too much honor is at stake to have reception reports unduly or accidentally influenced.

Radio Digest, in publishing a time table for foreign programs, is giving the listener in the tools to work with in pulling in the foreign stations. The wave length, kilocycles, frequency, location of station and their powers are furnished. The best way to be sure that you are going to hear is to tune in the desired station according to the information given in the table.

Reception can be verified by the confirmation programs that will be published in Radio Digest after the tests are concluded. To make your record official and beyond all doubt and credence, wire Radio Digest for official confirmation at the time of reception.

PRINCIPAL FOREIGN STATIONS

Wave Length Meters	(Approximate) Kilocycles Frequency	Call Letters (If Used) Location and Power Available
1600	(187.5)	5XX, Daventry, England, 25,000 watts
1300	(231)	AFT, Koenigswusterhausen, Ger., 10,000 watts
546	(550)	....., Budapest, Hungary, 2,000 watts
515	(582)	....., Zurich, Switzerland, 1,000 watts
505	(595)	HFF, "Voxhaus," Berlin, Germany, 4,000 watts
496	(605)	2BD, Aberdeen, Scotland, 1,500 watts
485	(618)	....., Munich, Germany, 4,000 watts
477½	(628)	5IT, Birmingham, England, 1,500 watts
461	(650)	....., "Radio-Wien," Vienna, Austria, 5,000 watts
446	(673)	....., Stuttgart, Germany, 4,000 watts
443	(677)	PTT, Toulouse, France, 2,000 watts
440	(682)	2BE, Belfast, Ireland, 1,500 watts
434	(691)	....., Prague, Czecho-Slovakia, 5,000 watts
422	(711)	5SC, Glasgow, Scotland, 1,500 watts
418	(718)	IRO, Rome, Italy, 3,000 watts
410	(732)	MS, Munster, Germany, 1,500 watts
404½	(742)	5NO, Newcastle, England, 1,500 watts
392½	(765)	HA, Hamburg, Germany, 4,000 watts
386	(777)	6BM, Bournemouth, England, 1,500 watts
382	(785)	....., Oslo, Norway, 1,500 watts
380	(790)	OAX, Lima, Peru, 1,500 watts
378	(794)	2ZY, Manchester, England, 1,500 watts
375	(800)	LOX, Buenos Aires, Argentine, 1,500 watts
373	(805)	EAJ7, Madrid, Spain, 6,000 watts
363½	(825)	2LO, London, England, 3,000 watts
358	(838)	....., Petit Parisien, Paris, 500 watts
352½	(851)	5WA, Cardiff, Wales, 1,500 watts
324	(926)	EAJ1, Barcelona, Spain, 2,000 watts
320	(937)	2MI, Milan, Italy, 2,000 watts
300	(1000)	LOW, Buenos Aires, Argentine, 1,500 watts
263	(1140)	SBR, Brussels, Belgium, 1,500 watts

TO LOCATE FOREIGN STATIONS ON YOUR DIALS.—By comparing the wave with the wave lengths of familiar American and Canadian stations previously logged, station dial settings may be arrived at. The "American Stations in Wave Length Order" will be found of assistance in tuning in similar European stations of the same wave length.

AMERICAN STATIONS IN WAVE LENGTH ORDER

Meters	Call	Meters	Call	Meters	Call	Meters	Call	Meters	Call	Meters	Call
217.3	WOK	275	WHAR	305.9	WJAR	356.9	CKNC	405.2	WOR	468.5	WCAP
226	WBBM	275	WORD	309.1	KDKA	361.2	KGO	406	WBAR	468.5	WRC
226	WIBO	275.3	WJAS	315.6	KFDM	361.2	WHN	410.7	CKAC	475.9	WBAP
240	KFVE	278	KOIL	315.6	WAHG	365.6	WDAF	416.4	WCCO	475.9	WTIC
240	KTAB	278	WCAU	315.6	WGBS	365.6	WHB	421	KIAF	475.9	WFAA
240	WOAX	278	WGBU	319	WGR	370.2	WEBH	422.3	WLW	480	CYL
246	WBAL	278	WOQ	319	WSMB	370.2	WJJD	422.3	WKRC	483.6	WOC
250	WGES	280.2	WNAC	322.4	KOA	374.8	KTHS	428.3	WSB	483.6	WSUI
250	WMBB	282.8	WOAN	322.4	WJAZ	379.5	WGY	428.3	KPO	491.5	KGW
252	KFWB	282.8	WSM	325.9	WSAI	379.5	WHAZ	434.5	CNRO	491.5	WEAF
252	WGCP	285.5	WKAR	333.1	WBZ	384.4	CKY	434.5	NAA	499.7	WMC
265.6	WMAK	285.5	WREO	336.9	KNX	384.4	KJR	434.5	CFCN	508.2	KLX
266	KFNF	288.3	KFKX	337	KFMX	384.4	WMBF	435.	AT9	508.2	WIP
266	WBCN	288.3	WLWL	340.7	KFAB	389.4	WEAR	440.9	KLDS	508.2	WOO
266	WGHB	293.9	KTBI	340.7	WKAQ	389.4	WTAM	440.9	WDWF	516.9	CJCA
268	WTAG	293.9	WEAO	340.7	WMCA	394.5	WFI	440.9	WOS	516.9	WCX
270	WGHP	296.9	KPRC	344.6	WCBD	394.5	WLIT	447.5	WMAQ	516.9	WJR
272.6	WBBR	299.8	KFMQ	344.6	WLS	394.5	WOAI	447.5	WQJ	526	WHO
273	KWKH	299.8	KSL	348.6	KOB	399.8	WHAS	454.3	KFOA	526	WNYC
272.6	WEBJ	299.8	WPG	348.6	KWSC	399.8	WHT	454.3	WJZ	526	WOAW
272.6	WFBH	302.8	WGN	348.6	WEEI	400	PWX	455	KTW	535.4	KYW
273	WRW	302.8	WLIB	350	CZE	405.2	KHJ	461.3	WCAE	545.1	KFUO
275	WHAD	305.9	KTCL	352.7	WWJ	405.2	WJY	467	KFI	545.1	KSD

RADIO BILLS CAUSE OF OPEN CONFLICTS

LITTLE OPPOSITION RAISED IN HOUSE COMMITTEE

Senator Howell of Nebraska Charges Dill Control Measure Would Lead to Ether Monopoly

WASHINGTON, D. C.—Legislation with the purpose of controlling and developing the Radio industry in the United States is drawing more attention of the law makers in the senate and house of representatives this year than ever before. The White bill in the house and the Dill and Howell bills in the senate have become open controversies and the hearings that have already been held give indications that a bitter struggle will precipitate before final action is taken on the measure.

Trouble Is Expected

Although the house committee on merchant marine and fisheries hearings of the White bill brought but slight opposition and it is believed little trouble will be experienced in making the necessary changes to bring out a unanimous report, things are different in the senate. Up to this time the hearings have been punctuated by a series of questions by Senator Howell of Nebraska, which have evidently been supplied him by someone who has "an ax to grind." The questions lead to possibility of the monopoly of broadcasting stations.

Hoover Favors Bill

Secretary of Commerce Herbert Hoover, appearing before the house committee, gave his hearty endorsement to the White bill when he said, in part, "I consider it highly important to the development of Radio that legislative relief be given at the present session of congress. The Radio public is now numbered in millions and embraces every class in every section. When we consider legislation, we deal with matters which profoundly and intimately effect the daily lives of these millions of American citizens. They are entitled to a Radio service on the highest

(Continued on page 26)

European Tests for

ARBORPHONE OWNERS

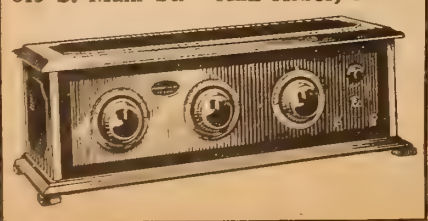
Thousands of Arborphone owners will hear European stations during the International Tests, January 24-30.

Valuable prizes will be awarded for longest verified distance and quality of reception with an Arborphone. The contest closes Feb. 6. Identical prizes will be awarded to any tying contestants.

For details see your dealer — or write Contest Committee at factory—immediately.

Machine Specialty Company

319 S. Main St. Ann Arbor, Mich.



TRAINED CROW DOES STUFF BEFORE MIKE

ONE of the most original Radio artists in the world was heard recently when Jocko, the trained crow who came to Milwaukee from the New York Hippodrome, strutted up to the microphone at WHAD, the Marquette University-Milwaukee Journal station, and cawed to piano accompaniment. Jocko is known in theatrical circles as the most entertaining bird actor on the American stage. The performance at WHAD was his first appearance before the microphone.

CKAC, La Presse, Vainly Attempts to Give Hockey

MONTREAL.—Hockey fans from all over Canada and the United States, who have written to CKAC here, requesting that the hockey games be broadcast from the rink, whenever American and Canadian teams cross sticks, will regret to learn that although Director Jacques Cartier, of the big "La Presse" station here, left no stone unturned in order to secure permission to install "mikes" in both the Forum and Montreal arenas, he has not been able to give listeners what they ask. Both Leo Dandurand, manager of the French team here, and H. Northey, managing director of the Forum, have refused point blank to allow any broadcasting of hockey.

Michigan Aggies' Net Contests Well 'Aired'

WREO and WKAR Divide Honors for Basketball Games

LANSING, Mich.—Both Station WREO of the Reo Motor Car company here and WKAR, located at Michigan State Agricultural college, East Lansing, will broadcast basketball games played at the college this winter, according to an arrangement just completed by the college and the Reo station. James B. Hasselman, known as the pioneer sports announcer, will announce the games which will be broadcast from 8 to 9:15 eastern time, or 7 to 8:15 p. m. central time. Both stations operate on a wave length of 285.5 meters.

WREO will broadcast the following games: Michigan Aggies vs. University of Detroit, Tuesday, February 2; Michigan Aggies vs. Marquette University, Thursday, February 11; Michigan Aggies vs. Notre Dame, Tuesday, February 16.

The remaining games to be broadcast by Station WKAR are: Michigan Aggies vs. Michigan State Normal, Friday, January 29; Michigan Aggies vs. Earlham College, Saturday, February 13; Michigan Aggies vs. Carnegie Tech, Friday, February 19; Michigan Aggies vs. Western State Normal, Friday, February 26.

Radio is being used for signalling between engine cab and caboose on the Virginian railroad.

Sport Broadcasts

Basketball
Saturday, January 23

KFKU (275m-1090kc) Kansas U.-Missouri, 7:30 p. m., central time.

Friday, January 29

KFMQ (299.8m-1000kc) U. of Arkansas-Centenary, 7:30 p. m., central time.

WOI (270m-1110kc) Kansas U.-Ames, 7:30 p. m., central time.

WKAR (285.5m-1050kc) Michigan State Normal-Michigan Aggies, 8-9:15 p. m., eastern time.

Hockey Game
Tuesday, January 26

WBZ (333.1m-900kc) Boston Bruins vs. Ottawas, 8 p. m., eastern time.

Wrestling Match
Saturday, January 23

WOI (270m-1110kc) Cornell College-Ames, 3 p. m., central time.

WFI Promotes Animal Welfare

PHILADELPHIA. — WFI, Strawbridge and Clothier station here, is concluding a series of educational talks designed to promote interest in animal pets and their proper care. Dr. R. S. Amadon, professor at the veterinary school of the University of Pennsylvania, will speak Monday, January 25, on "Physiology of Animal Care." Three similar talks have been delivered.

Earn $50 to $200 a Week *in* RADIO

You can! Hundreds of ambitious men are already earning thousands of dollars in this wonderful new industry—you, too, can get your share. Mail coupon below for Free Book which describes fully the amazing money-making opportunities in Radio and tells you how YOU can earn from $5,000 to over $10,000 a year.

THE astounding growth of Radio has created thousands of big money opportunities. Millions of dollars were spent during the past year on Radio, and thousands of young men are needed right now to meet the ever-increasing demand of work.

Men are needed to build, sell and install Radio sets—to design, test, repair—as Radio engineers and executives—as operators at land stations and on ships, traveling the world over—as operators at the hundreds of broadcasting stations. And these are just a few of the wonderful opportunities.

Easy to Learn Radio at Home in Spare Time

No matter if you know nothing about Radio now, you can quickly become a Radio Expert, by our marvelous new method of practical instruction—instruction which includes all the material for building the latest up-to-date Radio apparatus.

Scores of young men who have taken our course are already earning from $75 to $200 a week. Merle Wetzel of Chicago Heights, Ill., advanced from lineman to Radio Engineer, increasing his salary 100% **even while taking our course!** Emmett Welch, right after finishing his training, started earning $300 a month and expenses. Another graduate is now an operator of a broadcasting station—PWX of Havana, Cuba—and earns $250 a month. Still another graduate, only 16 years old, is averaging $70 a week in a Radio store.

Pay Increases Over $100 a Month

I am averaging anywhere from $75 to $150 a month more than I was making before enrolling with you. I would not consider $10,000 too much for the course.
(Signed) A. N. LONG, Greensburg, Pa.

Doubles Salary

I can very easily make double the amount of money now than before I enrolled with you. Your course has benefited me approximately $3,000 over and above what I would have earned had I not taken it.
T. WINDER, Grand Junction, Colo.

From $15 to $80 a Week

Before I enrolled with you I was making $15 a week on a farm. Now I earn from $2,080 to $4,420 a year, and the work is a hundred times easier than before. Since graduating a little over a year ago, I have earned almost $4,000, and I believe the course will be worth at least $100,000 to me.

(Signed) GEO. A. ADAMS. Tamaqua, Pa.

Wonderful Opportunities

Hardly a day goes by without our receiving urgent calls for our graduates. "We need the services of a competent Radio Engineer." "We want men with executive ability in addition to Radio knowledge to become our local managers." "We require the services of several resident demonstrators"—these are just a few small indications of the great variety of opportunities open to our graduates.

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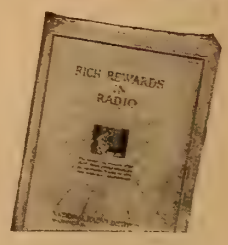

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SIMPLE TO PREPARE MACARONI TO SERVE

IS FILLING AND NUTRITIOUS FOR ENTIRE HOUSEHOLD

Betty Crocker Tells How Dishes Should be Prepared to Retain Greatest Food Values

Have you heard, and do you regularly listen for Betty Crocker's Radio talks? Miss Crocker is nationally known as a home food specialist who is broadcasting from a dozen of the country's largest stations. By special arrangement Radio Digest has secured a series of exclusive articles by Miss Crocker dealing with her current Radio talks. These broadcasts are made through WEEI, WEAF, WCAE, WGR, WEAR, WWJ, WDAF, WHT, WFI, KSD, KFI and WCCO, the Gold Medal station at Minneapolis-St. Paul. All of Miss Crocker's recipes and discussions are based upon investigations and work of herself and her assistants in model kitchens. —Editor's Note.

By Betty Crocker

THE question of what to have for luncheon or supper is sometimes a puzzling one. Breakfast and dinner menus do not vary a great deal from day to day, except in the kinds of foods served, but the luncheon or supper menu may be entirely different every day of the week. You can plan whatever suits your whim or mood.

However, in planning to suit your fancy, you should also take into consideration your stock in trade; that is the things in the refrigerator or cupboard, because there is no more convenient meal in which to use up left-overs than luncheon or supper. The most satisfactory luncheon or supper menu has one substantial main dish for the youngsters. Furthermore, it should be a dish that may be prepared quickly.

Because of the fact that it fulfills all of the above qualifications, I recommend macaroni and spaghetti. Macaroni and spaghetti are substantial and filling, are nutritious for each member of the family, and not too heavy or rich.

How to Cook Macaroni

In most cases where macaroni is unpopular I have discovered that the reason is either the use of an inferior macaroni, of poor cooking, or both. Here are the directions for boiling macaroni and spaghetti:

Use at least eight times as much water as macaroni and two teaspoons of salt for every quart of water. With these proportions you can prepare any amount, small or large. Add the salt to the water and have the water boiling rapidly when the macaroni is added. Keep the water boiling all during the cooking. Cook until tender when pierced with a fork, but not so long as to allow the macaroni to get soft and mushy.

Drain in a coarse strainer or colander so that all of the water is drained off. If the water is not boiling when the

(Continued on page 12)

WHAT FASHION WILL 1926 BRING?

Sally Dee

WHAT are we coming to? That is the question of pretty Sally Dee, fashion authority at Denver, who every week forecasts style trends over KOA for an intermountain audience of women and girls. Extremists, she suggests, hint that flapper skirts will go up a notch or two, while their opponents insist there will be no change.

"These are modish conjectures, of course," she points out. "So far as skirts are concerned, we are quite certain they will not be lengthened. It is admitted that milady seeks the bustle effect. This however, will be by means of draperies which is quite different than the bustle framework worn by our grandmothers.

"Straight lines are definitely under taboo. Everything will be flared, as the result of a natural revolution against the tight-fitting frock. Another thing, there is prevailing tendency for reptile skins in place of calves and kids for women's pumps and oxfords."

Miss Next Year will be a decidedly colorful girl in her two-piece dress with its marked feminine effects, according to Miss Dee, who is heard over the General Electric Denver station every Tuesday, Thursday and Friday afternoon.

SHORT WAVES

By Marcella

Pa will probably have the Radio set all labeled "hands off" this week, on account of the International Week tests, but we don't care if our listening is cramped a bit, for, what do you think? A mere man has dared to write us. He signs himself Cap'n Sparks, and says—oh well I'll let you read his letter:

"Why limit your offer to the girls? There's lots of we members of the bill-paying, battery-buying sex that would like to know about entertainers. F'rinstance, what became of the young lady who used to announce at WCAL, Northfield, Minn? She was the one and only pleasing feminine announcer, and she hasn't been heard for many months. Where is she? And why? Don't tell my wife I asked.

"And if you have any queries about WTAM or WEAR entertainers or staff that you'd like answered, ask me. I know 'em and will be glad to pass along any scandal I know. No charge."

Well, after recovering, from the shock, I can tell you, Cap, that the pleasing lady whose voice you adored was Miss Ella Hjertaacs, a fair Swedish beauty, who was a coed at St. Olaf's college, which college owns WCAL at Northfield, Minn. Miss Hjertaacs was graduated and so gave up the "mike" job. Maybe the registrar there could give her address.

I won't tell your wife you asked, because I think you haven't any—just trying to "spoof" me. Well, send along the WTAM-WEAR dirt, I'll disseminate it.

* *

That last one was a rather long wave for the style nowadays. But here's a short one. Someone wants to know if the Hired Hand is an announcer or an entertainer. To be perfectly frank, he is neither. "Substitute" announcer is his position, but I have found him both entertaining and good at announcing. Next?

* *

Glen Rice, of KFI, Los Angeles, is another nice looking chap. Is he married? Well, I'll have to find out. I do know that he smokes cigars, however, for a listening friend sent him a "permanent" cigar of real tobacco, claimed to be the longest in the world.

* *

Lambdin Kay, I reiterate, is a "hard-boiled"—confirmed, in other words—bachelor, Mrs. Tom, and Ernest Rogers, also of WSB, is a bachelor, but not so sure of himself. "Ernie" or "Willie the Weeper" is likewise the man behind "Old King Tut, the Radio Nut." Ernest intimates that he might get married soon, but whether or not he has picked the girl, I can't say.

* *

What deep secret would you like to know about your favorite broadcast star? Drop me a note, girls, and I'll do my best to answer it here. MARCELLA.

Index to Women's Programs

Saturday, January 23

Eastern 9:30 a. m. / Central 8:30 a. m. / Mountain 7:30 a. m. / Pacific 6:30 a. m.
WWJ (352.7m-850kc) Tonight's dinner.
11 / 10 / 9 / 8
WEAR (389.4m-770kc) Home service talk.
WHT (399.8m-750kc) Women's club.
12 n. / 11 / 10 / 9
WGN (302.8m-990kc) Household hints. Fashions.
WQJ (477.5m-670kc) Better diction. Pictures.
1 p. m. / 12 n. / 11 / 10
KMA (252m-1190kc) Domestic science topics.
12:30 / 11:30 / 10:30 / 9:30
WGN (302.8m-990kc) Discussion of fashions.
12:35 / 11:35 / 10:35 / 9:35
KYW (535.4m-560kc) Table talk.
4 / 3 / 2 / 1
KJR (384.4m-780kc) Tonight's dinner.

Monday, January 25

Eastern 9:30 a. m. / Central 8:30 a. m. / Mountain 7:30 a. m. / Pacific 6:30 a. m.
WWJ (352.7m-850kc) Tonight's dinner.
10 / 9 / 8 / 7
WJZ (454.3m-660kc) Women's hour.
WRC (468.5m-640kc) Women's hour.
10:45 / 9:45 / 8:45 / 7:45
WEAF (491.5m-610kc) Home service talk, Betty Crocker.
WFI (394.5m-760kc) Gold Medal talk, Betty Crocker.
11 / 10 / 9 / 8
WEAR (389.4m-770kc) Home service talk.
WHT (399.8m-750kc) Women's club.
WNYC (526m-570kc) Women's program.
11:15 / 10:15 / 9:15 / 8:15
WTIC (475.9m-630kc) Fashion talk.
11:30 / 10:30 / 9:30 / 8:30
KFAB (340.7m-880kc) Home economics talk.
WTIC (475.9m-630kc) Housewife's forum.
11:45 / 10:45 / 9:45 / 8:45
WCCO (416.4m-720kc) Substantial Soups, Betty Crocker.
WDAF (365.6m-820kc) Betty Crocker home service talk.
12 / 11 / 10 / 9
WGN (302.8m-990kc) Household hints. Fashions.
WQJ (447.5m-670kc) Talk.
12:15 / 11:15 / 10:15 / 9:15
KYW (535.4m-560kc) Talk.
12:35 p. m. / 11:35 / 10:35 / 9:35
KYW (535.4m-560kc) Table talk.
2:30 / 1:30 p. m. / 12:30 p. m. / 11:30
KFNF (266m-1130kc) Mothers' hour.
WGY (379.5m-790kc) Cooking lesson; Household talks. When and How to Use Dried Fruits.
3 / 2 / 1 / 12 n.
WCCO (416.4m-720kc) Women's hour.
WSOE (246m-1220kc) Cooking chats.
4 / 3 / 2 / 1 p. m.
WIP (508.2m-590kc) Market hints for housewives.
WOC (483.6m-620kc) Home Management schedule, Aunt Jane.
WQJ (447.5m-990kc) Food Terms and Names. You Do Not Know.
5 / 4 / 3 / 2
KJR (384.4m-780kc) Home helps.
7 p. m. / 6 p. m. / 5 p. m. / 4 p. m
KFOA (453.4m-660kc) Today's recipe.
KLX (508.2m-590kc) Women's hour.
KTAB (240m-1250kc) Women's club notes.

Tuesday, January 26

Eastern 9:30 a. m. / Central 8:30 a. m. / Mountain 7:30 a. m. / Pacific 6:30 a. m.
WWJ (352.7m-850kc) Tonight's dinner.
10 / 9 / 8 / 7
KDKA (309.1m-970kc) Domestic Science. Arts for the Housewife.
WIP (508.2m-590kc) Menu.
WJZ (454.3m-660kc) Women's hour.
WRC (468.5m-640kc) Women's hour.
10:45 / 9:45 / 8:45 / 7:45
WTAG (268m-1120kc) Talks to Mothers.
11 / 10 / 9 / 8
WEAR (389.4m-770kc) Home service talk.
WHT (399.8m-750kc) Women's club.
WMCA (340.7m-880kc) Home makers' hour.
12 n. / 11 / 10 / 9
WGN (302.8m-990kc) Household hints. Fashions.
WQJ (477.5m-670kc) Style Trend for Early Spring. Your Home.
12:35 p. m. / 11:35 / 10:35 / 9:35
KYW (535.4m-560kc) Table talk.
1 / 12 noon / 11 / 10
KPO (428.3m-700kc) Domestic science talk.
2 / 1 p. m. / 12 n. / 11
WGY (379.5m-790kc) Psychology in Child Discipline.
WLIT (394.5m-760kc) Household helps and hints.
4 p. m. / 3 p. m. / 2 p. m. / 1 p. m.
WOC (483.6m-620kc) Home Management schedule.
WQJ (447.5m-670kc) Second Courses for Dinner.
5 / 4 / 3 / 2
KJR (384.4m-780kc) Home helps.
5:30 / 4:30 / 3:30 / 2:30
KOA (322.4m-930kc) Housewives matinee.
6 / 5 / 4 / 3
KOA (322.4m-930kc) Culinary hints.
6:15 / 5:15 / 4:15 / 3:15
KOA (322.4m-930kc) Fashion review.
6:45 / 5:45 / 4:45 / 3:45
KOAC (280.2m-1070kc) Homemakers' program
7 / 6 / 5 / 4
KFOA (454.3m-660kc) Today's recipe.
8:30 / 7:30 / 6:30 / 5:30
KGO (361.2m-830kc) As a Woman Thinketh.

Wednesday, January 27

Eastern 9:30 a. m. / Central 8:30 a. m. / Mountain 7:30 a. m. / Pacific 6:30 a. m.
WWJ (352.7m-850kc) Tonight's dinner.
10 / 9 / 8 / 7
WIP (508.2m-590kc) Menu.
WJZ (454.3m-660kc) Women's hour.
WRC (468.5m-640kc) Women's hour.
10:45 / 9:45 / 8:45 / 7:45
WEAF (491.5m-610kc) Home service talk, Betty Crocker.
WFI (394.5m-760kc) Gold Medal Service talk, Betty Crocker.
WTAG (268m-1120kc) Talk to Housewives.
11 a. m. / 10 a. m. / 9 a. m. / 8 a.m.
WHT (399.8m-750kc) Women's club.
WNYC (526m-570kc) Women's program.
11:30 a. m. / 10:30 a. m. / 9:30 a. m. / 8:30 a. m.
KFAB (340.7m-880kc) Home Economics.
11:45 / 10:45 / 9:45 / 8:45
WCCO (416.4m-720kc) Polly Put the Kettle On, Betty Crocker.
WDAF (365.6m-820kc) Home service talk, Betty Crocker.
12 n. / 11 / 10 / 9
WGN (302.8m-990kc) Household hints.
WQJ (477.5m-670kc) Avoiding Communicable Diseases.
12:30 p. m. / 11:30 / 10:30 / 9:30
WGN (302.8m990kc) Discussion of fashions.
12:35 / 11:35 / 10:35 / 9:35
KYW (535.4m-560kc) Table talk.
1 / 12 n. / 11 / 10
KPO (428.3m-700kc) Sewing talk.
3 / 2 / 1 / 12 n.
WCCO (416.4m-720kc) Woman's hour.
3:30 / 2:30 / 1:30 / 12:30
WLW (422.3m-710kc) Cooking school.
4 / 3 p. m. / 2 p. m. / 1 p. m.
WOC (483.6m-620kc) Home Management schedule, Aunt Jane.
WQJ (447.5m-990kc) Using up the Sour Milk. Painless Reducing.
5 / 4 / 3 / 2
WMAQ (477.5m-670kc) Recipes.
7 / 6 / 5 / 4
KFOA (454.3m-660kc) Today's recipes.
KLX (508.2m-590kc) Women's hour.
KMA (252m-1190kc) Domestic science talk.
10:30 / 9:30 / 8:30 / 7:30
KOAC (280.2m-1070kc) Rugs. Exercises in Relation to Beauty.

Thursday, January 28

Eastern 9:30 a. m. / Central 8:30 a. m. / Mountain 7:30 a. m. / Pacific 6:30 a. m.
WWJ (352.7m-850kc) Tonight's dinner.
10 / 9 / 8 / 7
WJZ (454.3m-660kc) Women's hour.
WRC (468.5m-640kc) Women's hour.
11 / 10 / 9 / 8
WEAR (389.4m-770kc) Home service talk.
WHT (399.8m-750kc) Women's club.
11:10 / 10:10 / 9:10 / 8:10
WEAF (491.5m-610kc) Fish menus. Cookery.
12 n. / 11 / 10 / 9
WGN (302.8m-990kc) Household hints.
WQJ (447.5m-670kc) Some Meat Dishes that are Different.
12:30 p. m. / 11:30 / 10:30 / 9:30
WGN (302.8m-990kc) Discussion of fashions.
12:35 p. m. / 11:35 / 10:35 / 9:35
KYW (535.4m-560kc) Table talks.
1 / 12 n. / 11 / 10
KPO (428.3m-700kc) Domestic science.
2 / 1 p. m. / 12 n. / 11
WGY (379.5m-790kc) Simple Tricks That Take Off Twenty Pounds.
4 p. m. / 3 p. m. / 2 p. m. / 1 p. m.
WOC (483.6m-620kc) Home Management schedule, Aunt Jane.
WQJ (447.5m-670kc) A Sleigh Ride Party.
5 / 4 / 3 / 2
KFOA (454.3m-660kc) Home helps.
KSD (545.1m550kc) Women's hour.
5:30 p. m. / 4:30 p. m. / 3:30 p. m. / 2:30 p. m.
KOA (322.4m-930kc) Housewives' matinee.
6 / 5 / 4 / 3
KOA (322.4m-930kc) Culinary hints.
6:15 / 5:15 / 4:15 / 3:15
KOA (322.4m-930kc) Fashion review.
7 / 6 / 5 / 4
KFOA (454.3m-660kc) Today's recipe.
8 / 7 / 6 / 5
KFMQ (299.8m-1000kc)
8:15 / 7:15 / 6:15 / 5:15
KSAC (340.7m-880kc) Cleaning Metals. Calves and Pigs vs. Boys and Girls.

Friday, January 29

Eastern 9:30 a. m. / Central 8:30 a. m. / Mountain 7:30 a. m. / Pacific 6:30 a. m.
WWJ (352.7m-850kc) Tonight's dinner.
10 / 9 / 8 / 7
KDKA (309.1m-970kc) Domestic science and Arts for the Housewife.
WJZ (454.3m-640kc) Women's hour.
WRC (468.5m-610kc) Women's hour.
10:45 / 9:45 / 8:45 / 7:45
WTAG (268m-1120kc) Food hints.
11 / 10 / 9 / 8
WHT (399.8m-750kc) Women's club.
11:30 / 10:30 / 9:30 / 8:30
KFAB (340.7m-880kc) Home Economics.
WTIC (475.9m-630kc) Housewives' forum.
11:45 / 10:45 / 9:45 / 8:45
WCCO (416.4m-720kc) Gold Medal Biscuit and Variations.
WDAF (365.6m-820kc) Betty Crocker talk.
WEAR (389.4m-770kc) Home service talk.
12 n. / 11 / 10 / 9
WGN (302.8m-990kc) Household hints.
WQJ (447.5m-670kc) Sunday Dinner Menu.
12:30 p. m. / 11:30 / 10:30 / 9:30
WGN (302.8m-990kc) Discussion of fashions.
12:35 / 11:35 / 10:35 / 9:35
KYW (535.4m-560kc) Table talk.
1:45 / 12:45 / 11:45 / 10:45
WOAW (526m-570kc) Sunshine Sunday dinner menu.
3 / 2 p. m. / 1 p. m. / 12 n.
WCCO (416.4m-720kc) Women's hour
4 / 3 / 2 / 1
WOC (483.6m-620kc) Home Management, Aunt Jane.
WQJ (447.5m-670kc) Third Radio lesson.
5 / 4 / 3 / 2
KJR (384.4m-780kc) Home helps.
KYW (535.4m-560kc) Woman's hour.
5:15 / 4:15 / 3:15 / 2:15
WMAQ (477.5m-670kc)
5:30 / 4:30 / 3:30 / 2:30
KOA (322.4m-930kc) Housewives matinee.
WEAA (475.9m-630kc) Women's hour.
6 / 5 / 4 / 3
KOA (322.4m-930kc) Culinary hints.
6:15 / 5:15 / 4:15 / 3:15
KOA (322.4m-930kc) Fashion review.
11:30 / 10:30 / 9:30 / 8:30
KWSC (348.6m-860kc) Work of Home Demonstration clubs in 1925.

BALDWIN PIANO FOR WINNER OF CONTEST

Mrs. Pauline Dempsey, 3730 Vliet street, Milwaukee, who was pronounced the winner of the "Music in the Home" contest for the best paper submitted, and was awarded a Baldwin built piano by Kesselman O'Driscoll house of Malwaukee, through Station WKAF.

Women Voters' League Gives Political Series

Will Broadcast Weekly Talks on Governmental Problems

MINNEAPOLIS.—To stimulate a greater interest in the operations of governmental machinery and national problems, the Minneapolis League of Women Voters has arranged to broadcast a series of twenty weekly talks from the Gold Medal station, WCCO, Saint Paul-Minneapolis.

The eighth talk was given at 2 p. m., central time, Tuesday, January 19, by Mrs. Sumner T. McKnight, president of the league. The talks are being given at the same hour each Tuesday afternoon.

Each week the speaker devotes five minutes to answering questions which listeners have sent in. Among the subjects to be discussed are: "Is Woman Suffrage a Failure?"; "Why Vote?"; "How Can Women Help in Bringing Universal Peace?"; "How Does My Vote Affect the Home?"; "City Government"; "State Government"; "National Government"; "Women in Industry"; "Women in Professional Life"; "The Child at Play"; "The Child at School"; "The Child at Work"; "As a Farmer's Wife, How Can My Vote be Effective?"; "What Is Meant by State Rights?"; "What is the American Constitution?"; "Amending the Constitution."

Women's Benefit Association Sends Program from WAFD

PORT HURON, Mich.—Health talks for women, concerts and brief addresses on fraternal organization work, make up the early winter program arranged by the Woman's Benefit association, broadcasting from international headquarters through Station WAFD here.

WAFD has a power of 500 watts and uses a wave length of 275 meters.

TO BE BUXOM TYPE GET STATION WEAF

NEW YORK.—With the recent beauty contest pointing to the returning popularity of the buxom type of beauty, members of the fair sex who aspire to the 1926 crown of "Miss America" are advised to take the "Tower health exercises," given every morning through WEAF, WEEI and WCAP by Arthur Bagley from the tower of the metropolitan Life Insurance company. A letter recently received from a Boston woman describes how she gained many pounds by taking these morning setting-up exercises. "Boston is full of fat women and skinny men," she declares proudly. "Everyone tells me how fat I'm getting and that makes me so happy. I weigh 130 pounds now and I'm only 5 feet tall."

FOOLISH QUERIES ASKED BY VISITORS

It Takes a Wise Lady to Hold Job of Hostess and Answer Many Absurd Questions

LOS ANGELES.—It takes a wise lady to hold the job of station hostess. Margaret Cain, daytime hostess of KFI, finds she has to lie awake at night thinking up answers to questions that visiting listeners innocently fire at her. Try this selection on your think box. They are picked from a morning's taking:

"How much do your towers weigh?"

"How can I talk to my folks in Iowa?"

"On what numbers do you come in on my dials?"

"Just what is Radio?"

"Who listens to your station after midnight?"

"Can you hear New York on your broadcasting set?"

"How can I connect my telephone with KFI?"

"What does 'KFI' mean, and why? Whose initials are they?"

"What's the idea of running a broadcasting station, anyway?"

TO COOK MACARONI

(Continued from page 11)

macaroni is added and every minute during the cooking, the pieces will become soft and shapeless and some of the food value will be lost.

Some women have an idea that a macaroni dish requires a considerable time for preparation. Time yourself and you will find that this is not true. In the first place no time is required for preparation such as paring, scraping or shelling. Only fifteen or twenty minutes is required for cooking and it is then ready to serve in any number of ways.

You are sure to like Macaroni Mousse as it is one of our most popular recipes. It is often served at special luncheons, bridge parties and Sunday night suppers. You will find that it is quite nice enough for your most particular guests. However, I hope you will serve it occasionally to your family. Surprise your family some night with a special treat of Macaroni Mousse. Here is the recipe:

One cup uncooked macaroni, broken into inch pieces, one and one-half cups scalding milk, one cup soft bread crumbs, one-fourth cup butter, one red pepper or pimento chopped fine, one tablespoon chopped parsley, one teaspoon chopped onion, one teaspoon salt, one-half cup grated cheese, three eggs.

Method: Add four teaspoons salt to two quarts of water. When boiling rapidly, add macaroni. Boil until tender (15 or 20 minutes). Drain. Prepare sauce as follows: Pour scalding milk over bread crumbs. Add melted butter, pimento, grated cheese and seasonings. Lastly add well-beaten eggs. Pour over the macaroni. Place in buttered baking dish and set dish in pan of boiling water. Bake forty minutes in a moderate oven (350° Fahrenheit).

This may be served with a mushroom or a white sauce. Macaroni Mousse with head lettuce or any green vegetable salad, a beverage and fruit or an ice for dessert makes a delightful luncheon.

Women's Programs Again in Full Swing After Holidays

NEW YORK.—With the passing of the holidays, popular features which have characterized the women's programs of WEAF during the past few weeks are again in full swing. Among those who were heard during the first week and their topics were: Florence Smith Vincent, "Women in the News"; Dr. Hugh Grant Rowell of Columbia university, "The Care of Small Children"; Mrs. Rose Berry, "Review of Current Art Exhibitions"; Sumayeh Attiyeh, "Modern Conditions in Syria; Mrs. Julius Silberfeld, "The Jewish Child—Its Relation to the Home"; Dr. Kate Upson Clark, "Can Personality Be Acquired"; Miss Vera Megowen, "Mayfair Extension Talk"; Miss Margaret Hessler, "Fruit—Fresh, Canned or Dried"; Elizabeth Timlow, "The Worry Complex", and Miss Ida B Mellen, "Sea Birds at the Aquarium."

Schedule 'Woman's Hour' For Fair KYW Listeners

CHICAGO.—"Woman's Hour" a new Friday feature of Westinghouse Station KYW, here, was inaugurated recently from 4 to 5 p. m., central time, which hour its regular weekly broadcast will be made.

This particular one hour, to be devoted to the interest of women, is being conducted by Miss Mary Casey, program editor of KYW, who also acts as its announcer. On the opening program was found Mrs. Anna J. Peterson, a proper and fitting person, because of her wide acquaintanceship among lady fans.

Photogravures of Your Favorite Artists
GALLERY of RADIO STARS

Suitable for Framing or Placing in Your Album

BY SPECIAL arrangement, Radio Digest is able to offer its readers a great opportunity to secure fine photogravures of their favorite Radio stars at practically no cost.

Radio fans will be able now, by this very special offer, to have pictures of their favorite artists and announcers before them when they listen in.

All that is necessary to secure photogravures from the Gallery of Radio Stars is to send the coupon published each week in Radio Digest, accompanied by ten cents to cover the cost of mailing and postage. Where a series of three photogravures is desired, it will only be necessary to send twenty-five cents and three consecutively numbered coupons clipped from Radio Digest. Money order or cash at your risk. Add 5 cents to checks for exchange.

WITH COUPONS Only 10c Each -- 3 for 25c To cover cost of mailing and postage

Size Eleven by Fourteen Inches

Select Your Favorites from the Gallery of Radio Stars

CHECK YOUR CHOICE

- ☐ Wendell Hall, king of ukulele ditties
- ☐ Graham McNamee, 1925 Gold Cup announcer
- ☐ Jack Little, popular wandering balladist
- ☐ Paul Small, who won fame through Radio
- ☐ Coon-Sanders' "Nighthawks" at KYW
- ☐ George Hay, 1924 Gold Cup announcer
- ☐ Harmony Girls, Edith Carpenter, Grace Ingram
- ☐ Ford and Glenn, Lullaby Boys of WLS
- ☐ "Roxy" Rothafel of WEAF chain fame
- ☐ The Hired Hand, famous "Substitute Announcer" of WBAP
- ☐ Britt and Finch, popular songsters
- ☐ Bob Emery, Big Brother of WEEI
- ☐ "Bill" W. G. Hay, ex-KFKX, now of WLIB
- ☐ Happiness Boys, jovial singers of WEAF
- ☐ Lambdin Kay, "Little Colonel" of WSB
- ☐ Leo Fitzpatrick, "Merry Old Chief," WJR
- ☐ Henry Field, 1925 Gold Cup runner-up
- ☐ Al Carney, organ favorite at WHT
- ☐ Aunt Jane, Ladies' adviser at WOC
- ☐ Vincent Lopez, No. 1 Pennsylvania orchestra
- ☐ E. L. Tyson, pleasing voice at WWJ
- ☐ S. W. Barnett, ex-WOC, now WBAL
- ☐ Art Gillham, "The Whispering Pianist"
- ☐ Paul Greene, announcer at WSAI, "bridge voice"
- ☐ Harry Ehrhart, "Dream Daddy" of WLIT

CHECK YOUR CHOICE

- ☐ Correll and Gosden of "Kinky Kids Parade" fame, at WEBH and other stations
- ☐ Norman Brokenshire, popular at WRC, WJZ
- ☐ Indiana Male Quartet, popular at WEBH
- ☐ Jane Novak, Blues Singer of Twin Cities, WCCO
- ☐ Jean Sargent, the original, now at WHT
- ☐ Ralph Emerson, popular organist at WLS
- ☐ Edna Adams, "Sweetheart of the Air" at KPRC
- ☐ Pat Barnes, vaudeville announcer at WHT
- ☐ R. V. Haller of KGW Hoot Owls fame
- ☐ Henry L. Dixon, ukulele wizard of KYW
- ☐ Quin Ryan, WGN'S Uncle Walt and sports announcer
- ☐ "Willie the Weeper," Ernest Rogers, WSB
- ☐ Walter Wilson, "Uncle Bob" of KYW
- ☐ Jack Chapman of Drake hotel repute
- ☐ Ray-O-Vac Twins, known country-wide
- ☐ Art Linick, KYW's Mrs. Schlagenhauer
- ☐ Fred Hamm of WTAS, now WLIB, fame
- ☐ Meyer Davis' Le Paradis orchestra of WRC
- ☐ "Senator" Schultz, WLW's illiterate comic
- ☐ "Uncle John" Daggett of KHJ
- ☐ D. R. P. Coats, 1925 Silver Cup announcer
- ☐ Gene Rouse, WOAW's popular announcer
- ☐ Freda Sanker, WKRC jazz orchestra director
- ☐ Irish Ruth Pavey, KOA's invisible stage beauty
- ☐ Queen Titania, star of KHJ Fairyland

If your favorites are not in this list, send in a request to have them included in the Gallery of Radio Stars.

COUPON NO. 5

This coupon entitles the holder to one photogravure selected from the Radio Digest Gallery of Radio Stars when accompanied by ten cents (money order or cash at your own risk; checks accepted if 5 cents is added for exchange) to pay the cost of mailing and postage.

Three consecutively numbered coupons entitle the holder to three photogravures when accompanied by 25 cents.

RADIO DIGEST PUBLISHING CO.

ADVANCE PROGRAMS FOR THE WEEK

Saturday, January 23

Headliners Today

Eastern	Central	Mountain	Pacific
8 p. m.	7 p. m.	6 p. m.	5 p. m.

WSB (428.3m-700kc) Red Head club.
WSM (282.8m-1060kc) Benny Whitson and barn dance team.
8:30 7:30 6:30 5:30
WHAS (399.8m-750kc) Town club concert.
WLW (422.3m-710kc) "The Valiant," play.
WMAQ (447.5m-670kc) Photolog, "Spain."
8:45 7:45 6:45 5:45
CNRO (434.5m-690kc) Regimental band.
9 8 7 6
WJZ (454.3m-660kc), WGY (379.5m-790kc), WRC (468.5m-640kc) U. S. Navy band.
WRR (246m-1220kc) Nonsense song cycle.
9:15 8:15 7:15 6:15
WCCO (416.4m-720kc) Shakopee program.
9:30 8:30 7:30 6:30
WFAA (475.9m-630kc) Priest Family recital.
10 9 8 7
WMAK (266m-1130kc) Pilgram male quartet.
11 10 9 8
WAMD (244m-1230kc) Skyrocket frolic.
WGN (302.8m-990kc) Amateur hour.
1 a. m. 12 m. 11 10
KFI (468.5m-640kc) Packard Radio club.

Saturday silent night for: CFAC, CFCA, CNRA, CNRC, CNRE, CNRM, CNRR, CNRT, CNRV, CNRW, KFDM, KFEQ, KFKX, KFKU, KFMQ, KFMX, KFUO, KFXF, KLX, KMA, KOAC, KOB, KQP, KSAC, KSO, KTAB, KWSC, WCX, WDOD, WEAO, WEBJ, WEBW, WEEI, WGCP, WGR, WGST, WHAD, WHAZ, WGR, WHN, WHO, WIP, WJAR, WJAZ, WKAQ, WKAR, WLIT, WLWL, WOAI, WOC, WOS, WRVA, WTAG, WTIC, WWJ.

Eastern Time Stations

CHIC, Toronto, Can. (356.9m-840kc), 10 p. m., dance program, J. Wilson Jardine and his orchestra.

CKNC, Toronto, Can. (356.9m-840kc), 4 p. m., CKNC chamber orchestra, Charles E. Bodley, director; Elsie Addison, contralto; Alice Hodgetts, soprano.

CNRO, Ottawa, Can. (434.5m-690kc), 7:30 p. m., cosy corner; 8, Chateau Laurier concert orchestra; 8:45, Regimental band, Governor-General's Foot guards; Chateau Laurier dance orchestra.

KOKA, Pittsburgh, Pa. (309.1m-970kc), 7:15, 8 a. m., morning exercises; 6:30 p. m., Westinghouse band; 8, program, Stockman-Farmer studio; 8:30, Westinghouse band; Ruth Gilmore Adams, pianist; W. E. Morgan, baritone.

PWX, Havana, Cuba (400m-750kc), 8:30 p. m., concert, Gustavo Carrasco, tenor.

WBBR, New York, N. Y. (272.6m-1100kc), 8 p. m., Malcolm Carment, clarinetist; 8:10, "Health and Household," Golden Age magazine; 8:20, L. Marion Brown, soprano; 8:30, "Comfort for the People"; Bible instruction; 8:40, L. Marion Brown, soprano; 8:50, Malcolm Carment, clarinetist.

WBZ, Springfield, Mass. (333.1m-900kc), 6:30 p. m., Little Symphony orchestra, KDKA; 7:30, Rene Dagenais, organist; 8, special features.

WCAE, Pittsburgh, Pa. (461.3m-650kc), 3 p. m., music Nixon Cafe; 6:30, dinner concert, William Penn hotel; 7:30, children's period; 8, Youngstown artists.

WCX, Detroit, Mich. (516.9m-580kc), 6 p. m., dinner concert, Book-Cadillac hotel.

WEAF, New York, N. Y. (491.5m-610kc), 4-5 p. m., Louis Fisher dance orchestra; 6-12, dinner music, Rose Room, Hotel Waldorf-Astoria; "Art in the Home," Prof. Grace Cornell; Mrs. Miranda Margiglio, pianist; recital, Clyde Doane, tenor; Gladys C. Doane, soprano; France Rittenhouse, accompanist; Vincent Lopez and his orchestra.

WEAR, Cleveland, Ohio (389.4m-770kc), 11 a. m., home service talk; 11:30, news; 7 p. m., Hotel Statler concert orchestra, Maurice Spitalny, director.

WFI, Philadelphia, Pa. (394.5m-760kc), 1 p. m., tea room orchestra; 3, Royal Commodores dance orchestra; 6:30, Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra; dinner to Judge John Monaghan from Bellevue Stratford hotel.

WGBS, New Nork, N. Y. (315.6m-950kc), 10-10:10 a. m., timely talks with Terese; 10:10-10:40, Cousin Eleanor and her Kiddie klub program; 10:40-10:50, Miriam Miller, pianist; 10:50-11, fashion talk, Mme. Hall Deane; 1:30-1:35 p. m., Scripture reading; 1:35-3, the Kenmorians; 3-4, Ben Goldman and his Boy Scout entertainers; 6-6:30, Uncle Geebee; 7-7:10, ballroom dance instructions, Arthur Murray; 7:20-7:30, International Film Arts Guild; 7:30-8:30, Frank Dailey's Twin Oaks orchestra; 9-10, Elizabeth Elko Westfield Bank, directed Wm. N. Bartow; 10:30-11:30, Arrowhead Inn dance orchestra.

WGCP, New York, N. Y. (252m-1190kc), 3-3:30 p. m., orchestra; 3:30-3:45, Razof and Demniker, entertainers; 3:45-4, Elmer McDonald, tenor; 4-4:15, Adelaide Kaiser, pianologue; Dorothy Kaiser, ukulele; 4:15-4:30, Sylvia Miller, soprano; 4:30-5, orchestra; 8:30-9, Charles Strickland and his orchestra; 9-9:15, trio; 9:15-9:30, Arline Felker and Adeline Freeman; 9:30-9:45, Ukulele Bob McDonald; 9:45-10, June Lee, songs; 10-10:30, Petit, Frasier and Marcus, trio; 10:30-11, Charles Strickland and his orchestra.

WGR, Buffalo, N. Y. (319m-940kc), 2:30 p. m., WGR's afternoon program.

WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., Hotel Onondaga, WFBL; 7:45, bridge lesson; 9, U. S. navy band, WRC; 10, Porter E. Potts' Hotel Van Curler orchestra.

WHAR, Atlantic City, N. J. (275m-1090kc), 2 p. m., Seaside hotel trio; 7:30, lecture period; 8, Seaside hotel trio.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:45 a. m., setting-up exercises; 7, setting-up exercises; 10:30, reducing exercises; 1 p. m., organ recital, Germantown theater; 3, Dal Ruch and his Arcadians; 6:05, Benjamin Franklin hotel concert orchestra; 7, Uncle Wip's bedtime stories; 8, sports corner, conducted by Dr. Francois D'Eliscu; 8:15, "Some Things Not Often Said About Milk," Dr. David Wilbur Horn; 8:30, Frank Oglesby, tenor; Eduard Lippe, baritone; 10:30, Benjamin Franklin El Patio dance orchestra; 11:05 organ recital.

WJAR, Providence, R. I. (305.9m-980kc), 1:05 p. m., Zikes Bon Ton orchestra.

WJZ, New York, N. Y. (454.3m-660kc), 11 a. m., Philharmonic children's concert; 1 p. m., Knickerbocker Grill orchestra; 2, "The Industrial East and the Agricultural West—Industry's Stake in the Farmer's Future"; 4:30, Hotel Lorraine Grill orchestra; 5:50, financial summary; 7, Bernhard Levitow's Hotel Commodore dinner concert; 8, Cosmo Hamilton's Radio novel; 8:30, "Happenings in Congress," 9, U. S. Navy band; 10, Anita Bird, soprano; Keith McLeod, accompanist; 10:30, Paul Specht and his original orchestra.

WLIT, Philadelphia, Pa. (394.5m-760kc), 12:02 p. m., daily almanac; Stanley theater organ recital; Arcadia cafe concert orchestra; 2, Arcadia cafe concert orchestra; 2:30, Ed Matthews dance orchestra; 1:30, Ed Matthews dance orchestra; 7:30, Benjamin Franklin hotel concert orchestra.

WMAK, Lockport, N. Y. (266m-1130kc), 7:30-8:30 p. m., musical program; 8:30-9, program, Wolff's Furniture House, Inc.; 9-10, musicale; 10-11, Pilgrim male quartet.

WMCA, New York, N. Y. (340.7m-880kc), 6-6:30 p. m., Olcott Vail and his Hotel McAlpin string ensemble; 6:30-7, Frank Farnum and his Californians; 7-8, the Amphions; 8-8:15, review of current events; 8:15-8:30, Cyril J. Saunders, violinist; 10:30-11, Norman Pearce, readings; 11-12, Ernie Golden and his Hotel McAlpin orchestra.

WNYC, New York, N. Y. (526m-570kc), 8-10 p. m., symphonic concert conducted by David Mannes; 10-10:30, lecture.

The Hired Hand is not the only attraction at WBAP, Fort Worth. Betty Williams, above, is the staff pianist. She plays with unusual skill.

High Lights of the Week

AT 11 A. M. eastern time Saturday morning the children are to have their own concert from WJZ and WRC when the New York Philharmonic society gives a special juvenile program. The orchestra leader will make all of his selections interesting to the child.

The famous New York symphony orchestra, well known for the competent directing of Walter Damrosch, will be the gift of the Atwater Kent company Sunday from WEAF and chain. Mr. Damrosch will make brief explanatory remarks before the rendition of each number. Helen Jeffrey called the "Brunhilde of the Violin" is broadcasting a fine program from WBAL, Baltimore, this same evening. Miss Jeffrey has appeared as soloist with many of the largest orchestras in the country.

The week opens with an innovation at WRC, Washington, D. C. The eight directors of the concert orchestras will for one week beginning, Monday January 25, include in their programs only those new-old compositions seldom heard on the concert stage or on the air. Tune in if you are tried of popular and classical favorites. Or dial for WLW and spend the eveing being serenaded by the Times-Star orchestra, featuring "A Evening of Serenades."

The dramatic venture Tuesday of the WAMD Radio Stock company, will be the three-act play "Sun Up," by Lulu Vollmer. The cast includes A. H. Faust and Leone Faust, two veteran stock players.

This is the first year that the Chicago Little Symphony, which includes from forty to fifty members of the Chicago Symphony orchestra, has broadcast. The concerts are much appreciated by Chicago fans as well as people outside the city, because it is so difficult to procure seats to hear the symphony. WLS, is giving these on Wednesday nights. Madame Gizi Szanto, pianist, one of the most intelligent and talented of the younger Detroit artists, appears tonight with the WGHP Little symphony orchestra at WGHP, Detroit.

Between the announcement in fifteen different languages at WOC and the foreign speeches at various other stations it will not be surprising if many fans are deceived into thinking they are hearing foreign stations when they are listening to their home stations. Thursday, WIP will try for long distance reception and will have representatives of the different countries speak in their native tongues. Ben Stad and his WIP Little symphony orchestra will play French, English, German and Dutch selections.

WTIC, Hartford, will attempt to broadcast to the world at large for fifteen minutes beginning at 11 p. m. eastern time Friday. The program will be given by the Travelers male quartet. This station also celebrates the birthday of Robert Burns with a special Scotch program. The oldest and best known of the morality plays will make its debut this same evening when "Every Man" is given by the WGY players. This broadcast will be enjoyed especially by students studying the morality and mystery plays.

WOO, Philadelphia, Pa. (508.2m-590kc), 12:02 p. m., Golden's crystal tea room orchestra; 4:45, organ recital; 7:30, Hotel Adelphia French room orchestra, A. Candelori, director.

WOR, Newark, N. J. (405.2m-740kc), 3:15-4 p. m., Zit's Central Park Casino tea music; 6:15-6:17, "Words Often Mispronounced"; 6:17-6:30, sport talk, Bill Wathey; 6:30-7:30, Jacques Jacob's Hotel Shelton ensemble; 7:30-8:30, Van's Collegians; 11-12 m., Katinka orchestra.

WRC, Washington, D. C. (469m-640kc), 11 a. m., children's concert, WJZ; 12:15 p. m., organ recital, Homer L. Kitt studios; 1, Hamilton hotel orchestra, Daniel Chwalow, director; 6, Lee House trio, Sam Udrin, director; 6:45, agricultural reports; 7, Meyer Davis' Hotel Willard orchestra; 8, Bible talk; 8:15, musical program; 9, concert, U. S. Navy band, Lieut. Charles Benter, leader, WJZ and WGY; 10:30, Crandall's Saturday Nighters; 12 m.-1 a. m., Spanish Village orchestra.

WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., dinner concert, Speed-Wagon serenaders and Gold Standard ensemble; miscellaneous bulletins; 10-12 n., special dance program, WREO, Speed-Wagon serenaders, Carl Hall Dewey, director.

WTAG, Worcester, Mass. (268m-500kc), 10:30 a. m., musical selections; 12:05-2 p. m., noon day luncheon music, WTAG orchestra, Will Hardy, director; 3-5, Tea Dansant music, WTAG orchestra; 5:15, "Twinkle Twinkle" story teller.

WTAM, Cleveland, Ohio (389.4m-770kc), 12:15-1:15 p. m., Golden Pheasant orchestra; 6-7, Carl Rupp and his Hotel Hollenden orchestra; 8-8:45, Guy Lombardo and his Royal Canadians; 8:45-12, Ev Jones and Coo Coo club.

WTIC, Hartford, Conn. (475.9m-630kc), 6:30 p. m., Skinnay and his gang; 6:50, dinner concert; 8, Sunday school lesson; 8:30, music; 9, studio program; 10:30, dance orchestra.

WWJ, Detroit, Mich. (352.7m-850kc), 9:30 a. m., "Tonight's Dinner"; 12:05 p. m., Jules Klein's Hotel Statler orchestra; 3, Detroit News orchestra.

Central Time Stations

CKY, Winnipeg, Canada (384.4m-780kc), 8 p. m., "Contemporary Book Reviews," Prof. W. T. Allison; 9, concert, J. A. Banfield company.

KFAB, Lincoln, Nebr. (340.7m-880kc), 8:30-9:30 p. m., Schmoller and Mueller musicale.

KFKU, Lawrence, Kan. (275m-1090kc), 7:30 p. m., K. U.-Missouri basketball game.

KFNF, Shenandoah, Iowa (266m-1130kc), 7 p. m., Forest City High school program, A. W. Hayes, director.

KFVE, University City, Mo. (240m-1250kc), 9:15 p. m., amusement review, Romaine Fielding; Gene Witacker's orchestra.

KLDS, Independence, Mo. (440.9m-680kc), 8 p. m., organ request program.

KMA, Shenandoah, Iowa (252m-1190kc), 11:30-12:30 p. m., noonday rural program; domestic science talk, June B. Case; music; news; talk, Earl E. May; 6-7, Pollyanna stories, Mrs. Nickols; music; news; popular program; 9-11, pipe organ recital, William Howie.

KMMJ, Clay Center, Nebr. (229m-1310kc), 1:30 p. m., factory and office program; 7:30, Snoddy's orchestra, local talent.

KPRC, Houston, Texas (296.9-1010kc), 12 noon, Jack Willrich's orchestra; Virginia Willrich, piano-accordionist; Earl McMahon, banjoist; 7:30, Universal Bible class, Rev. Claude L. Jones; 8, Frank Tilton, boy pianist; 11, Lawrence Humason, popular songster; Field Reynaud, pianist.

KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., orchestral program and stage specialties, Grand Central theater; 8:30, St. Louis symphony orchestra concert.

KTHS, Hot Springs National Park, Ark. (374.8m-750kc), 9-9:25 p. m., dance selections, New Arlington hotel orchestra; 9:25-9:30, bedside story, Medical Intelligence bureau; 9:30-11, artists, Mena, Ark., fiddlers and accompanists; quartet, vocal and violin solos.

KYW, Chicago, Ill. (535.4m-560kc), 11:35 a. m., table talk, Mrs. Anna J. Peterson; 12:05-1 p. m., noonday concert, Commonwealth Edison company; 1-2, Congress hotel, Coon-Sanders Original Nighthawks; 4, frolic; 7:05, children's bedtime story, Uncle Bob; 6, dinner music, KDKA; 7:30-8:30, home-lovers' hour; 8:30-11, Congress classic; 11:30-1 a. m., Congress carnival; 1-2, Insomnia club, Coon-Sanders Original Nighthawks.

WAMD, Minneapolis, Minn. (244m-1230kc), 12 m., Carl Schmid, tenor; Bayne Cummins, pianist; Roy Nowack, banjoist; Jack Leeman, clarinetist; Julia Barr, soprano; Leone Wood Taylor, pianist; 6:15, George Osborn's Hotel Radisson orchestra; 7:10, Walter Stacheli's Juvenile orchestra; 11, Skyrocket frolic.

WBBM, Chicago, Ill. (226m-1330kc), 4-6 p. m., Harry and Sandy; Moulin Rouge orchestra; Jack Penewell; 8-9:30, musical comedy; 9:30-11, Sandy and Harry; Moulin Rouge orchestra; Sy Berg; Fred Jacobson; 11-2 a. m., Sunset male quartet; George Thurn; Two Jays; Lew Russel; Romo Vincent Moulin Rouge orchestra.

WBCN, Chicago, Ill. (266m-1130kc), 10-10:30 a. m., shopping talk, Penny Wise; 3-5 p. m., tea time matinee; Clarence Jones, pianist and song writer; Cecile and Johanna Arends, violinist and pianist; Marie Wright, soprano; 10-11:15, jazz jamboree, Midway Dancing Gardens orchestra; Cameron and Fett, "The Harmony Wizards," harmony duo; Albert Blaha, concertinist; Johnny Special, harmonica acrobat; Elizabeth Emmett Malone, soprano; Jack Parker, tenor; 11:15-12 m., King Static's court, Frank H. MacDonald, "King Static," Mary Williams, "Queen Olive," Harry A. Zook, Jr., "Prime Minister," "Big Boy" Yagle, "Court Jester."

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 12:30 p. m., Golden Pheasant orchestra; 2:30, afternoon concert; 5, talk, Louis Benchoof; 6:15, Wesley Barlow's Nicollet hotel orchestra; 8, "Fireside Philosophies," Rev. Roy L. Smith, pastor, Simpson M. E. church; 8:15, Shakopee program; 10:05, dance program, Wesley Barlow's Nicollet hotel orchestra.

WDAF, Kansas City, Mo. (365.6m-820kc), 3:30-4:30 p. m., The Star's string trio; 6-7, address, Roy Cross, "Chemical Engineering"; address, Roger W. Babson; organ music, Pantages theater; music, The Trianon ensemble, Hotel Muehlebach; 11:45-1 a. m., The Plantation players, Hotel Muehlebach; Billy Adair's Kansas City club orchestra; Eddie Kuhn's Kansas City Athletic club orchestra.

WEBH, Chicago, Ill. (370.2m-810kc), 11:30-12 n., woman's half hour; 3-4 p. m., Oriole orchestra; 7-8, Oriole orchestra; Sunday school lesson; 9-10, Oriole orchestra; James Murray, tenor; Marie Kelly, reader; 11-12 m., Oriole orchestra; Marie Kelly, reader; 1-2 a. m., Frank Greif, tenor; Wayne Meyers, reader; James Murray, tenor.

WENR, Chicago, Ill. (266m-1130kc), 6-7 p. m., daily dinner concert, Ranland lyric trio; Frank Westphal, Marie Tulley; 8-10, All American Pioneers; Floyd Falch, Al Tweed and Walter Peterson, Kentucky Wonderbeans; John Papa, concertina; 12-2 a. m., All-American Pioneers; Ari Bliquist, Al Tweed and Walter Peterson, Hawaiian guitar players; Mary Bieber and Rita McFann, vocal duets.

WFAA, Dallas, Texas (475.9m-630kc), 12:30-1 p. m., Johnye Davis, pianist; 3:30-4, Tom Fowler, violinist; 4:30-5, Cloyd Griswold, songs and ukulele; 6:30-7:30, Don Bestor's orchestra, dinner music; 6:55-7, "Meaning of Money," W. A. Philpott, Jr.; 8:30-9:30, Priest family recital, voices and instruments; 11-12, Jack Gardner's orchestra.

WGES, Oak Park, Ill. (250m-1200kc), 5-7 p. m., basso, tenor, organ; pianist, organ, orchestra; 11-1 a. m., Coyne Serenaders orchestra; Remington Welsh, organist; Eddie Adams, the girl with the uke.

WGN, Chicago, Ill. (302.8m-990kc), 11-11:30 a. m., household hints; 11:30-12 n., fashion discussion; 12:40-2:30 p. m., luncheon concert, Drake concert ensemble and Blackstone string quintet; 3:30-4:15, tea time music, Marshall Field tea room orchestra; 4:30-5, syncopation matinee; 5:30-5:57, Skeezix time; 6:30-7, dinner concert, Drake concert ensemble and Blackstone string quintet; 8-10, Cope Harvey's Liberty orchestra; 10-11, amateur hour.

WHAD, Milwaukee, Wis. (275m-1090kc), 11 a. m., pianolog, Andy Hertel; story for children, Faye McBeath; Margaret Cunningham, pianist; Willard Kaleibe, tenor banjo soloist.

"BRUNHILDE OF VIOLIN" FROM WBAL

Saturday, January 23

WHAS, Louisville, Ky. (399.8m-750kc), 1-2 p. m., Benson trio; 3-3:30, Mrs. Myrtle Fulks Zahn, Jr., organist; 4-5, musical program, Harry S. Currie, director; editorials; Martha Pope Robinson, reader; 7:30-9, concert, Town club, Ellen Bachus, director.

WHT, Chicago, Ill. (399.8m-750kc), 10 a. m., Jean Sargent's program; juvenile program and studio features; 11, Mike Rizzo, boy violinist; 12, organ recital, Al Carney; 6 p. m., classical program; Al Carney, organist; Grayling's string trio; W. A. Dyckman, basso; Leola Aikman, soprano; Hugh Aspinwall, tenor; (238m-1260kc), 7:45-9:15, musical features, Alamo orchestra; (399.8m-750kc), 9:30, Chez Pierre orchestra; Fred Jacobsen, humorist; Paul Small, popular songs; John Clark, baritone; 9:50, Kitchen Klenzer entertainers; 10:10, Cecil Ward, Hawaiian team; 10:30, Gervin Little symphony; 11:30, Oscar Heather, tenor; 12, "Your Hour League," Pat Barnes and Al Carney.

WIBO, Chicago, Ill. (226m-1330kc), 10-11 a. m., shoppers' bureau; 2-4 p. m., popular shut-in program; 6-8, dinner concert, WIBO trio; Ruth Buhl Flick, reader; North Shore Line quartet.

WJJD, Mooseheart, Ill. (370.2m-820kc), 6-7 p. m., instrumental hour, Howard L. Peterson, organist; the Palmer symphonic players; Palmer House Victorians; 8-9, special hour; 10-11, feature hour, Garod studio, Palmer House; Palmer House Victorians; studio program; 12-1 a. m., settin' up hour, Garod studio, Palmer House; Palmer House Victorians; Jack Nelson.

WKAF, Milwaukee, Wis. (261m-1150kc), 8 p. m.-2 a. m., "The Legion Barrage," Racine Legion Drum corps; Milwaukee Auxiliary band.

WLIB, Chicago, Ill. (302.8m-990kc), 7-8 p. m., dinner concert; 11-12 m., popular program; 12-1 a. m., dance program.

WLS, Chicago, Ill. (344.6m-870kc), 7 p. m., lullaby time; 7:20-12, revue program.

WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., organ concert, Johanna Grosse; 7:30, childrens' safety talk; 7:40, Seckatary Hawkins; 8, Air City banjo boys; 8:30, Radio play, "The Valiant"; 9, dance program, Castle farm.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Hotel LaSalle orchestra; 8, Frederick Daw, Russell Pratt; 8:30, "Spain," Robert Lewis; 9, Chicago theater revue; 9:30, U. of Chicago chimes.

WMBB, Chicago, Ill. (250m-1200kc), 7-8 p. m., Trianon duo, Anna B. Greulich, soprano; Jean Ballard, contralto; Fannie Fuerst, reader; Preston Graves, pianist; semi-classical program; 9-11, Trianon orchestra; Dell Lampe, Woodlawn theater orchestra; Armin F. Hand, Little Orphan Annie presentation; Tracy and Duncan, harmony due; Dollinger and Lyerla, Hawaiian guitarists; Joe Morrison, baritone; popular program.

WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Harry Kohn.

WOAW, Omaha, Nebr. (526m-1000kc), 6* p. m., orchestra; 7, after dinner hour; 9, de luxe program; 10:30, Frank Hodek and his Nightingale orchestra; 11, Arthur Hays and his organ jubilee.

WOC, Davenport, Iowa (483.6m-620kc), 5:45-6 p. m., chimes; 6:30-6:50, sandman; 9-10, Rex's band; 11-12, LeClaire hotel orchestra; Peter MacArthur, baritone.

WOI, Ames, Iowa (270m-1110kc), 12:30 p. m., college chimes; 12:45, Prof. W. H. Stephenson, discussion of soils; 3, wrestling meet, Cornell college vs. Ames.

WOK, Chicago, Ill. (217.3m-1380kc), 1-2 a. m., Tierney's Town club orchestra; Husk O'Hare's Cocoanut Grove orchestra; Harriett Lee, contralto; Herman Sinaiko, violinist; George Allen, tenor; Bob Mokrejs, pianist; 6 p. m., 1:30 a. m., Gus C. Edwards and his orchestra; Husk O'Hare's Cocoanut Grove orchestra; Tierney's Town club orchestra; Capitol theater musical program; WOK mixed quartet; Herman Sinaiko, violinist; Harriett Lee, contralto; George Allen, tenor; Bob Mokrejs, pianist; Bill Hay, bass.

WOQ, Kansas City, Mo. (278m-1080kc), 8-9 p. m., musical program; 10-11, musical healing service.

WORD, Batavia, Ill. (275m-1090kc), 8-10 a. m., Webster hotel concert and orchestra program.

WQJ, Chicago, Ill. (447.5m-670kc), 11-12 m., home economics program, Helen H. Downing; "Proper Diction," Madame Righter; talk on pictures, Marjory Curry; 3-4 p. m., koffee klatsch; 7-8, Rainbo Gardens orchestra; Prof. Ascan W. Kittner, pianist; Ralph Keim, pianist; Anne Keim, soprano; Margaret Cade, soprano; 10-1, Skylarks; Jerry Sullivan; Rose Vanderbosch, soprano; Hal Lansing, ukulele soloist; Everett George Opie; Bert Davis; Clarence Theders, tenor; Oxford Girls; Rita McFawn, Mary Bieber, harmony duo; George Thurn, kazoo soloist; Joey Stool, tenor; Eddie Vogel, baritone; Brundage and Kraemer, harmony singers; Thelma Pefferle, soprano.

WRR, Dallas, Texas (246m-500kc), 12-1 p. m., noon music; 5:15, bedtime story; 6-7, dinner hour, the Times Herald; 8-9, nonsense song cycle, George Brewster, director; 12-1 a. m., George Perfect, organist.

WSAI, Cincinnati, Ohio (325.9m-920kc), 7 p. m., Charles Dornberger's Victor Recording orchestra; 7:30, Mrs. Ethel Knapp Behrman; 7:50, chimes; Robert Badgley; 8, news; 8:15, Bicycle Playing Card sextet; 12, Hotel Sinton orchestra.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., Ernest Rogers Read Head club; 10:45, Hired Help Skylark.

WSM, Nashville, Tenn. (282.8m-1060kc), 6:30 p. m., Francis Craig and his orchestra; 7, WSM bedtime story interlude; 8, program, Benny Whitson and his barn dance team; 9, barn dance party.

WSMB, New Orleans, La. (319m-940kc), 8:30-10:30 p. m., Theodore Roehl and artists.

WSUI, Iowa City, Iowa (483.6m-620kc), 7:30-9 p. m., Geraldine Mars, pianist; William G. Edmondson, Jr., tenor.

Mountain Time Stations

KFAU, Boise, Idaho (280.2m-1070kc), 7:30-8:15 p. m., news service.

KFWA, Ogden, Utah (261m-1150kc), 4-5 p. m., organ recital, Paramount theater; 5-6, Ogden Radio Dealers' program; 9-10:30, Paramount theater; 10:30-12, Ollie Reeves and his orchestra.

KOA, Denver, Colo. (322.4m-930kc), 12:15 p. m., Rialto theater musicale; 9, dance program, Harmony Peerless orchestra.

Pacific Time Stations

KFI, Los Angeles, Calif. (468.5m-640kc), 5:30-6 p. m., dance music; 6, nightly doings; 6:15, KFI's Seeing California; 6:30, vest pocket program; 6:45, Radiotorial period; 7-8, Mabelle Hein and her Blue Bird band; 8-9, varied vocal and instrumental program; 9-10 Angelus string trio; 10-11, Packard Radio club, Billy and Polly Hall, Charlie Cole and other favorites in popular song review; 11-3 a. m., midnight revue, Don Meaney, presiding.

KFOA, Seattle, Wash. (454.3m-660kc), 4-5:15 p. m., William F. Hoffman's concert orchestra; today's recipe; 6-6:45, Hoffman's concert orchestra; 6:45-8:15, Rhodes department store; 10-11:30, Olympic hotel, Eddie Harkness' dance orchestra.

KFON, Long Beach, Calif. (233m-1290kc), 4:30-5 p. m., amusement bulletin; 6-6:30, organ, Brayton's theater; 7:30-9, Long Beach Municipal band; 9-11, Echophone entertainers frolic.

KFWB, Hollywood, Calif. (252m-1190kc), 7-8 p. m., program, Carl F. Horn school of dancing; Sol Hoopii's Hawaiians, Carl F. Horn orchestra, Drake Warner, baritone; Raquel Nieto, soprano; 8-11, Warner Brothers frolic, directed by Charlie Wellman.

KGO, Oakland, Calif. (361.2m-830kc), 4-5:30 p. m., concert orchestra, Hotel St. Francis, Vinton La Ferreta, conductor; 8, weekly "Sport Review," Al Santoro; 8:10, music hour, Wiley B. Allen company, Ampico salon; story in song, "The Pagoda of Flowers," Benjamin S. Moore, director; 9, program, Hotel St. Francis; 10-11, dance music, Hotel St. Francis, Girvin-Deuel's California Collegians.

KGW, Portland, Ore. (491.5m-610kc), 10:30 a. m., shopping guide; 12:30-1:30 p. m., Rose City trio; 6-7, dinner concert; 7, talk, John Phillip Sousa; 9-12, Indian grill; Curt Kremer, pianist.

KHJ, Los Angeles, Calif. (405.2m-740kc), 6-6:30 p. m., Leighton's Arcade cafeteria orchestra, Jack Cronshaw, leader; 6:30-7:30, history story, Prof. Hertzog; Henrietta Poland, Dollie Wright, Nona Clapp, David Durand with Uncle John; 8-10, program, Motor Transit stages.

KJR, Seattle, Wash. (384.4m-780kc), 1-2:30 p. m., home talk; 8:30-10, L. C. Warner company studio; 10-12, Henry Halstead's Victor Recording orchestra.

KMTR, Hollywood, Calif. 238m-1260kc), 6-7 p. m., Starr Piano company studio; 8-10, KMTR concert hour, Turner orchestra, direction Loren Powell.

KNX, Hollywood, Calif. (366.9m-890kc), 5-5:30 p. m., Sunny Jim's story; 5:30-6:15, Wurlitzer pipe organ studio; Town Tattler; 6:15, travel talk, W. F. Adler; 6:30-7, Atwater Kent concert orchestra; 7, stories of insect life, H. W. McSpadden; 7:15, church announcements; 7:30-8, Wurlitzer pipe organ studio; 8-10, KNX feature program; 10-11, dance music; 11-2 a. m., Filmland frolic.

Eastern Time Stations

6KW, Twinucu, Cuba (338m-890kc), 10-11 p. m., American dance music, Twinucu Radio orchestra.

CFCA, Toronto, Can. (356.9m-840kc), 10-11 p. m., international test program, Huntsville band.

CHIC, Toronto, Can. (356.9m-840kc), 5 p. m., George H. Graham, organist.

KDKA, Pittsburgh, Pa. (309.1m-970kc), 11 a. m., church service; 4 p. m., organ recital, Dr. Charles Heinroth; 4:45, vesper service, Shadyside Presbyterian church, Rev. Hugh Thomson Kerr, pastor; 6:30, dinner concert; 7:45, church service.

WBAL, Baltimore, Md. (246m-1220kc), 6:30-7:30 p. m., twilight program; WBAL concert orchestra, Gustav Klemm, conductor; 7:30-8:30, musical program; Helen Jeffrey, violinist; George Bolek, pianist.

WBBR, New York, N. Y. (272.6m-1100kc), 10 a. m., Watchtower instrumental trio; 10:15, Sunday school lesson; 10:35, I. B. S. A. choral singers; 10:45, Watchtower instrumental trio; 10:55, I. B. S. A. choral singers; 11, Bible lecture, "Fulfilled and Unfulfilled Bible Prophecies," R. H. Barber; 11:30, I. B. S. A. choral singers; 11:40, Watchtower instrumental trio; 2 p. m., Watchtower orchestra; 2:30, L. Marion Brown, soprano; 2:45, Watchtower orchestra; 3, Bible lecture, "Important Bible Teachings Generally Ignored," R. H. Barber; 3:30, L. Marion Brown, soprano; 3:40, Watchtower orchestra; 9, Watchtower violin choir; 9:15, Bible questions and answers; 10, Watchtower violin choir.

WBZ, Springfield, Mass. (333.1m-900kc), 10:50 a. m., Church of the Unity, Rev. Charles A. Wing; Philharmonic male quartet; 7 p. m., Copley Plaza orchestra; 7:30, musical program, Cantor Glipstein; 8, "Peace and Good Will Among Jew and Christian," Rabbi Louis Wolsey.

WCAE, Pittsburgh, Pa. (461.3m-650kc), 3:45 p. m., Dr. S. P. Cadman; 6:30, dinner concert, William Penn hotel; 7:20, Capitol theater gang; 9:15, Atwater Kent.

WCAU, Philadelphia, Pa. (278m-1080kc), 5 p. m., recital; 5:15, Undenominational church services; 5:25, quotations, Rev. John W. Stockwell; 5:35, recital; 5:45, "Between Darkness and Sunlight," Rev. John W. Stockwell; 6:45, Clarence Seamen's Hotel Pennsylvania concert orchestra; 7:45, Cathay Tea Garden concert orchestra; 8:30, Bonwit Teller Light Opera company; 9, Potash and Perlmutter.

WCX, Detroit, Mich. (516.9m-580kc), 10:30 a. m., services, Central Methodist Episcopal church.

WEAF, New York, N. Y. (491.5m-610kc), 2-3 p. m., Sunday Radio service, under auspices Greater New York Federation of Churches, Rev. Herbert F. Laflamme, field secretary, presiding—address, Rev. Dr. Henry Howard; music, Lotta Madden, soprano, Mildred Bryars, contralto, Albert Miller, tenor, Arthur Billings Hunt, baritone; George Shackley, pianist; 3-4, Young People's conference; 4-5:30, Men's conference, Bedford branch, Y. M. C. A., Brooklyn, N. Y., WEEI, WTAG, WCAE, WSAI—address, Dr. S. Parkes Cadman; 7:30-9:15, Maj. Edward Bowes and Capitol family, WEEI, WCAP, WJAR, WTAG, WWJ, WCAE; 9:15-10:15, Atwater Kent Radio hour; New York symphony orchestra, Walter Damrosch, conductor, WEEI, WCAP, WJAR, WGR, WCAE, WSAI, WWJ, WOC, WCCO, WLIB, WEAR, KSD, WTAG, WOO.

WEAR, Cleveland, Ohio (389.4m-770kc), 3:30 p. m., Goodyear concert orchestra, afternoon musicale; 7, Park theater orchestra, Angelo Vitale, director; 7:45, Fireside hour; 8:30, Vincent Percy, organ recital; 9:15, Atwater Kent hour, WEAF; 10:15, talk, "Esperanto," Stanley Kozminski.

WEEI, Boston, Mass. (348.6m-860kc), 10:50 a. m., Old South church; 3 p. m., Chamber of Commerce organ recital; 4, Dr. S. Parkes Cadman; 6:20, musicale; 7:20, Capitol theater family; 9:15, Atwater Kent Radio hour.

WFI, Philadelphia, Pa. (394.5m-760kc), 4:30 p. m., services, Central Y. M. C. A.; sermon, Dr. Chas. Stetzler; 10, WFI male quartet; Strawbridge and Clothier tea room ensemble, Harmony Trumpeters, Hilda Reiter, soprano.

WGBS, New York, N. Y. (315.6m-950kc), 3:30-4:30 p. m., Crystal Palace orchestra; 9:30-10, Park Avenue Male quartet.

WGCP, New York, N. Y. (252m-1190kc), 7-7:45 p. m., orchestra; 7:45-8:15, Milton Yokeman, tenor; 8:15-8:30, Bernard Share, violinist, and Harold Retskin, pianist; 8:30-8:45, studio program; 8:45-8:55, health talk; 9-10, Charles Strickland and his orchestra.

WGR, Buffalo, N. Y. (319m-940kc), 10:45 a. m., Westminster Presbyterian church service; 7:45 p. m., Central Presbyterian church service; 9:15, jointly with WEAF, Atwater Kent program, N. Y. Symphony orchestra.

WGY, Schenectady, N. Y. (379.5m-790kc), 11 a. m., First Presbyterian church; 3 p. m., musicale, WFBL; 5, Dr. Frank Sill Rogers, organist; T. Roy Keefer, violinist; 7:30, First Presbyterian church; 9, WJZ studio program; 10, Godfrey Ludlow, violinist, WJZ.

WHAR, Atlantic City, N. J. (275m-1090kc), 10:45 a. m., morning service, Chelsea Baptist church; 2:15 p. m., sacred recital, Seaside hotel trio; 2:45, sermon; 7:50, Chelsea Baptist church; 9, "An Hour with the Classics," Seaside hotel quartet; 11:15, Strand theater organ recital.

WHN, New York, N. Y. (361.2m-830kc), 12:30-1 p. m., Lexington organ recital; 2-3, Queens County Christian Endeavor program; 3-4:30, Calvary Baptist church services; 5-5:30, Roseland dance orchestra; 7:30-9:45, Calvary Baptist church services; 10:45-11:15, Janssen's Hofbrau orchestra; 12-12:30 a. m., Harry Richman and his entertainers.

WIP, Philadelphia, Pa. (508.2m-590kc), 10:45 a. m., services, Holy Trinity church; 5, religious talk, auspices Germantown Y. M. C. A.

WJAR, Providence, R. I. (305.9m-950kc), 7:20 p. m., Capitol theater family; 9:15, Atwater Kent Radio hour.

WLIT, Philadelphia, Pa. (394.5m-760kc), 2:15 p. m., Arcadia cafe concert orchestra; 6:30, Benjamin Franklin hotel concert orchestra; 7, organ recital; 8:15, chamber music, New Century club.

WLWL, New York, N. Y. (288.3m-1040kc), 8-9 p. m., Paulist choristers, sermon by Rev. John C. Smyth, C.S.P., benediction.

WMAK, Lockport, N. Y. (266m-1130kc), 10:25 a. m., First Presbyterian church; 7:30, evening service.

WMCA, New York, N. Y. (340.7m-880kc), 11-12 a. m., services, Fifth Church of Christ, Scientist, of Brooklyn; 6-7 p. m., Roemer's Homers; 7-7:30, Ernie Golden and his Hotel McAlpin orchestra; 7:30-8, Olcott Vail and his Hotel McAlpin string ensemble.

WOO, Philadelphia, Pa. (508.2m-590kc), 2:30 p. m., Sunday school exercises, Bethany temple; 6:05, organ recital, Clarence K. Bawden; 9:15, Atwater Kent concert, WEAF.

WREO, Lansing, Mich. (285.5m-1050kc), 10 a. m., chimes, belfry Plymouth Congregational church; 10:30, church services, Edwin W. Bishop, pastor; 7 p. m., church services, Central M. E. church, Rev. Frank Kingdon, pastor.

WTAG, Worcester, Mass. (268m-500kc), 4-5:30 p. m., Men's conference, Y. M. C. A., Brooklyn, N. Y.—address, Dr. S. Parkes Cadman, music, Gloria Trumpeters, George Betts, chime soloist, WEAF; 7:20-9:15, musical program, Maj. Edward Bowes and Capitol theater family, WEAF; 9:15-10:15, Atwater Kent hour, WEAF.

WTIC, Hartford, Conn. (475.9m-630kc), 5 p. m., Prof. Harry B. Jepson, organist; 9, sacred concert, Travelers' double quartet.

WWJ, Detroit, Mich. (352.7m-850kc), 11 a. m., St. Paul's Episcopal cathedral; 2 p. m., Detroit News orchestra; 7:20, Capitol theater family; 9:15, Atwater Kent program.

Central Time Stations

CKY, Winnipeg, Can. (384.4m-780kc), 7 p. m., St. Paul's United church; 9, studio program.

KFAB, Lincoln, Nebr. (340.7m-880kc), 4-5 p. m., vesper service.

KFNF, Shenandoah, Iowa (266m-1130kc), 10:45 a. m., regular morning worship, First M. E. church; 2:30 p. m., Golden Rule song service; 3, religious services, International Bible Students association, J. C. Kautz; 6:30, Golden Rule circle; 7:30, Christian church services.

KFUO, St. Louis, Mo. (545.1m-550kc), 4 p. m., "Arise Go Thy Way; Thy Faith Hath Made Thee Whole," Rev. Herman H. Hohenstein; 9:15, Rev. R. H. C. Meyer; 11, "Jesus Christ, the Supreme Need of the World," Prof. F. Pieper (German), Prof. W. H. T. Dau (English), Prof. J. T. Mueller (Spanish), Rev. George Majoros (Slovak), W. Wolf (French), Anthony Messina (Italian), E. Ylvisaker (Norwegian).

KLDS, Independence, Mo. (440.9m-680kc), 11 a. m., Stone church services; 3, sacred program; 6:30, vesper service; KLDS ladies' quartet; sermonet, Ralph W. Farrell; 9, Walnut Park orchestra, Orlando Nace, director; "Story of the Book of Mormon," R. V. Hopkins.

KMA, Shenandoah, Iowa (252m-1190kc), 4-6 p. m., sacred music; talk, G. H. Van Houten.

KMMJ, Clay Center, Nebr. (229m-1310kc), 8:30 p. m., church service.

KPRC, Houston, Texas (286.9m-1010kc), 10:45 a. m., services, First Christian church, Rev. Claude L. Jones, pastor; W. P. Claypool, organist; Guy E. Curtis, director; 7:30 p. m., service, First Christian church; 9-10, special international test week program.

KSD, St. Louis, Mo. (545.1m-550kc), 6:15 p. m., St. Louis Post-Dispatch concert orchestra, Max Steindel, conductor; 8:15, Atwater Kent Radio hour, WEAF.

KTHS, Hot Springs National Park, Ark. (374.8m-750kc), 11-12:15 p. m., services, Central Methodist church, Rev. W. C. Watson, pastor; Arthur Platz, organist; 9-10, popular compositions, New Arlington hotel grand ensemble, Lon Chassy, director; 11-12:30, Arkansas Traveler special train frolic, Benny Ford and his musical train crew; 12:30-1, midnight organ classic, Lawson Reid.

KYW, Chicago, Ill. (535.4m-560kc), 11 a. m., Central church services, Rev. Frederick F. Shannon, pastor; 2:30 p. m., studio chapel services; 4:30, studio concert, Edwin Harper, director; 7, Chicago Sunday Evening club services, Clifford Barnes, president; music, Edgar Nelson, director; Bishop F. Gaylor, speaker; 9:30, classical concert, Commonwealth Edison company.

WAMD, Minneapolis, Minn. (244m-1230kc), 10:30 a. m., First Unitarian church services, Rev. John H. Dietrick, pastor; 7:01, Arthur H. Faust, Leome Faust; 9, Gayle Wood, harmony hurricane, request program.

WBBM, Chicago, Ill. (226m-1330kc), 12:30-2 p. m., William Zimmer, tenor; Kantor A. Kritz; Sandy Meek and Harry Sosnik; Edna Wheeler Ballard, harpist; Moulin Rouge operatic quartet; 4-6, Joe Allabaugh; Lavergne and Shayne, xylophonists; Pete Kules; Tip trio; Ziegler; Harold Anderson; 8-10, Sunset male quartet; WBBM string trio; Moulin Rouge orchestra; 12-2, Nutty club.

WBCN, Chicago, Ill. (266m-1130kc), 10:30 a. m.-12 n., morning service, People's Liberal church; talk, Rev. Rufus A. White; 4-5 p. m., Dain & Son classical hour; Velma Cook, soprano; Oriental quartet; male harmony group; Robert Stronach, pipe organist; 7:45-9:15, evening services, Thoburn M. E. church, 40-piece Thoburn semi-symphony orchestra, 80-voice choir, special vocal soloist, speaker.

"Radio Nightingale" is the name given to Helen Doyle, above, whose lyric voice may be heard every Thursday from WLW, Cincinnati, during the Liberty theater broadcast. To the right is one of the popular bass singers at KDKA, Pittsburgh, Raymond Griffin.

KPO, San Francisco, Calif. (428.3m-700kc), 1-2 p. m., Fairmont hotel orchestra; 2:30-3:30, matinee program, Clayton Horne, baritone; Grace O'Farrel, accompanist; orchestra; 8-12, Cabiria cafe orchestra.

KPSN, Pasadena, Calif. (315.6m-950kc), 8-9 p. m., Star-News concert; Paul Reese, tenor; 9-10, dance orchestra, Hotel Maryland.

KTAB, Oakland, Calif. (240m-1250kc), 9-9:30 a. m., prayer service, Rev. E. L. Spaulding.

Sunday, January 24

Headliners Today

Eastern	Central	Mountain	Pacific
4 p. m.	3 p. m.	2 p. m.	1 p. m.

WTIC (475.9m-630kc) Organ recital.
7 6 5 4
WLWL (288.3m-1040kc) Paulist choristers.
7:30 6:30 5:30 4:30
WBAL (246m-1220kc) Helen Jeffrey.
WBZ (333.1m-900kc) Musical program.
8 7 6 5
WTIC (475.9m-630kc) Sacred concert. Travelers' double quartet.
9:15 8:15 7:15 6:15
WEAF (491.5m-610kc), WEEI, WCAP, WJAR, WGR, WCAE, WSAI, WWJ, WOC, WCCO, WGN, WEAR, KSD, WTAG, WOO, Atwater Kent hour, New York symphony.
10 9 8 7
KTHS (374.8m-800kc) Compositions of European Masters.
WFI (394.5m-760kc) Harmony Trumpeters, quartet.
WJZ (454.3m-660kc), WGY (379.5m-790kc) Godfrey Ludlow, violinist.
WRR (246m-1220kc) Old-time program.
12 m. 11 10 9
KFWB (252m-1190kc) Movie frolic.

Sunday, silent night for: CFAC, CHIC, CKNC, CNRA, CNRC, CNRE, CNRM, CNRO, CNRR, CNRT, CNRV, CNRW, KFAB, KFAU, KFKX, KFKU, KFMQ, KFOA, KFVE, KFWA, KMA, KMTR, KOAC, KOB, KSAC, KSO, KWSC, PWX, WAHG, WCAD, WCX, WDAF, WEAO, WEBJ, WEBW, WGES, WGHB, WGST, WHAD, WHAS, WHAZ, WIP, WJAZ, WJJD, WKAF, WKAQ, WKAR, WLIT, WMAQ, WMC, WNYC, WOI, WRC, WRVA, WSB, WTAM, WTIC.

WLW ORCHESTRA SERENADES FANS

Sunday, January 24

WOBD, Zion, Ill. (344.6m-870kc), 8 p. m., semi-chorus, violin quartet; Mr. and Mrs. G. R. Sparrow, vocal duettists; vocal duets, Mr. and Mrs. J. D. Thomas, Misses Reynolds and Carey; Mark Whiteside, baritone; M. P. Barton, tenor; R. M. Steel, soprano; Florence Farrar, contralto; John Studebaker, clarinetist.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 10:50 a. m., Westminster Presbyterian church, Rev. John E. Bushnell, pastor; 4:10, House of Hope Presbyterian church, Rev. H. C. Swearingen, pastor; 6:20, Second Church of Christ, Scientist; 8:15, Atwater Kent program, WEAF; New York Symphony orchestra.

WDAF, Kansas City, Mo. (365.6m-820kc), 4-4:45 p. m., WDAF's Sabbath vespers, First Presbyterian church, Rev. James Congdon, pastor.

WDOD, Chattanooga, Tenn. (256m-1170kc), 7:30-9 p. m., services.

WEBH, Chicago, Ill. (370.2m-810kc), 10:40 a. m., Seventh Church of Christ Scientist; 5-6 p. m., twilight musicale; 7-9, artists' program.

WEBW, Beloit, Wis. (268m-1120kc), 4:30 p. m., vesper service.

WENR, Chicago, Ill. (266m-1130kc), 2-4 p. m., classical program: Rauland lyric trio, soprano solos, sacred selections; 9:30-11:30, popular program; All-American Pioneers; Hal Laige, saxophone; Frank Westphal, piano improvisions; vocalists.

WFAA, Dallas, Texas (475.9m-630kc), 2:30-4 p. m., farmers' hour; Alfonso Trent's orchestra; 6-7, Radio Bible class, Dr. William M. Anderson, pastor, First Presbyterian church; 7:30-8:30, Westminster Presbyterian church service, Dr. T. O. Perrin, pastor; Daisy Polk, soloist and director; 8:30-9:30, East Dallas Presbyterian church service, Dr. Merwin A. Stone, pastor; 9:30-11, Jack Gardner's orchestra.

WGES, Oak Park, Ill. (250m-1200kc), 7:40 p. m., Moody Bible institute program; 11-12 m., organ, sacred, classical.

WGN, Chicago, Ill. (302.8m-990kc), 11 a. m., Uncle Walt; 11:45, organ recital, Chicago theater; 12:45 p. m., feature program, Chicago theater; 2-3, Lyon & Healy, organ recital; 3-5, Chicago Philharmonic orchestra, North Side Turner hall; 8:15-9:15, Atwater Kent program, WEAF.

WHAD, Milwaukee, Wis. (275m-1090kc), 3:15 p. m., Turnverein symphony orchestra.

WHAS, Louisville, Ky. (399.8m-750kc), 9:57 a. m., organ recital; 10, Virginia Avenue Methodist church; 4:30-5:30 p. m., Evensong choral service, Christ church.

WHB, Kansas City, Mo. (365.6m-820kc), 9:40-10:45 a. m., Christian church; 11:15-12:30 p. m., Independence Boulevard Christian church, Dr. R. H. Miller, pastor; 8-9:15, Third Church Christ, Scientist; 11:15-1, organ recital, Linwood theater; original poems, Don Anchors.

WHO, Des Moines, Iowa (526m-570kc), 11 a. m., church service; 7:30-8:30, Reese-Hughes orchestra.

WHT, Chicago, Ill. (399.8m-750kc), 12 m., Sunday dinner sacred concert, vocal and organ; 12:45, special program for shut-ins and sick; 1:15, shepherd time for the kiddies; 1:30, Aerial Girls program; 1:45, Radio Rangers; 2, fellowship program; 2:30, missionary program; 2:45, orchestra concert and afternoon services, Chicago Gospel tabernacle; 5:30, vesper concert; 6, young women's council; 6:30, concert, tabernacle band and choir; sermon, Paul Rader; 9:30, request program; 10:30, Paul Rader, back home hour.

WIBO, Chicago, Ill. (226m-1330kc), 2-4 p. m., Chester Newman, baritone; Mildred Perlin, reader; WIBO string trio; 6-8, sacred songs, Walter Preston; Fred Nobel, cornetist; Earl Bigelow, pianist; WIBO trio.

WJJD, Mooseheart, Ill. (370.2m-820kc), 7:45-8:45 a. m., Catholic services; 9:40-10:30, Protestant services; 3-4 p. m., Mooseheart Sunday concert.

WLIB, Chicago, Ill. (302.8m-1220kc), 7 p. m., popular program.

WLS, Chicago, Ill. (344.6m-870kc), 6:30-7:55 p. m., WLS Little Brown church.

WLW, Cincinnati, Ohio (422.3m-710kc), 9:30 a. m., school, editorial staff of Sunday School Publications, Methodist Book Concern; 11, services, Seventh Presbyterian church, Jesse Halsey, pastor; 3 p. m., organ recital, Lillian Tyler Plogstedt; 7:30, services, First Presbyterian church, Dr. Frederick McMillan, pastor; 8:30, concert, H. & S. Pogue Co., Walter Esberger, director; Arthur Bowen, cellist; John Eken, trombonist.

WMBB, Chicago, Ill. (250m-1200kc), 3-5 p. m., Trianon orchestra, Dell Lampe; Woodlawn theater orchestra, Armin F. Hand, director; Earl Smith, Bob Duffy, Lucille O'Hara, Tommie Hughes, popular concert; 7:40-9, services, Fifth Church of Christ, Scientist; 9:10, Trianon orchestra, Dell Lampe; Woodlawn theater orchestra, Armin F. Hand; Billie Allen Hoff; Vella Foulks Cooke, contralto; Austin Kavanaugh, popular program.

WNAD, Norman, Okla. (254m-1180kc), 9:20 p. m., musical program, Mu Phi Epsilon; 11, musical program, Mu Phi Epsilon.

WOAI, San Antonio, Texas (394.5m-760kc), 11 a. m., services, First Presbyterian church, Rev. P. D. Hill, pastor; 7:45, services, Central Christian church, Rev. Hugh McLellan, pastor.

WOAW, Omaha, Nebr. (526m-1000kc), 9 a. m., chapel service, Rev. R. R. Brown and associates, Omaha Gospel tabernacle; 1:30 p. m., matinee program; 6, Mrs. Carl R. Gray; 9, chapel service.

WOC, Davenport, Iowa (483.6m-620kc), 1-2 p. m., Palmer Little Symphony; Paul J. Vipperman, tenor; 6:30-7, First Methodist Episcopal church; 8:15-9:15, Atwater Kent Radio artists; 11-12, Palmer Little Symphony.

WOK, Chicago, Ill. (217.3m-1380kc), 1-2 p. m., Bernie Cummins Town club orchestra; Husk O'Hare's Cocoanut Grove orchestra; Harriet Lee, contralto; Herman Sinaiko, violinist; George Allen, tenor; Bob Mokrejs, pianist; 6, Husk O'Hare's Cocoanut Grove orchestra; Bernie Cummins' Town club orchestra, Capitol theater complete musical program; WOK mixed quartet; Herman Sinaiko, violinist; Harriet Lee, contralto; George Allen, tenor; Bob Mokrejs, pianist; Bill Hay, bass.

WOQ, Kansas City, Mo. (278m-1080kc), 11 a. m.-12:30 p. m., services; 7-7:45, services.

WORD, Batavia, Ill. (275m-1090kc), 10 a. m., sacred duets and solos; address, Oscar A. Olson; 2:30-4 p. m., musical program; address, W. H. Woodley, 7-8, evensong; D. J. Morehouse, speaker; music, Englewood High school orchestra, Charles Espenshade, director; 9, I. B. S. A. choral singers, soloists.

WOS, Jefferson City, Mo. (440.9m-680kc), 9:30 a. m., Christian church, Rev. Haushalter, pastor; 7:30 p. m., First Baptist church, Rev. Paul Weber, pastor.

WQJ, Chicago, Ill. (447.5m-670kc), 10:30-11:30 a. m., People's church; 3-4 p. m., program, Jerry Sullivan, director; 8-10, Rainbo Gardens orchestra; Everett G. Mitchell, baritone; Fontella trio; Grace Wallace, soprano; Jeannette Van Lennep, soprano; Mary Van Lennep, accompanist.

WRR, Dallas, Texas (246m-500kc), 11 a. m., morning church services; 7:30 p. m., evening church services; 9-10, old-time program, featuring Carson Taylor and others.

WSAI, Cincinnati, Ohio (325.9m-920kc), 3-4:30 p. m., Dr. S. Parkes Cadman, WEAF; 7:45, chimes, Robert Badgley; 8, sermonette; 8:15-9:15, New York Symphony orchestra, WEAF; 9:15, Union Central Life Insurance company orchestra.

WSB, Atlanta, Ga. (428.3m-700kc), 5 p. m., Jenkins Family gospel songs.

WSM, Nashville, Tenn. (282.8m-1060kc), 10:30 a. m., services, First Presbyterian church; sermon, Dr. James I. Vance.

WSOE, Milwaukee, Wis. (246m-1220kc), 7:30 p. m., Sabbath service, M. E. church, George M. Ruff, pastor.

WSUI, Iowa City, Iowa (483.6m-620kc), 9:15 p. m., familiar hymns.

Mountain Time Stations

KFXF, Colorado Springs, Colo. (250m-1200kc), 7:30-9 p. m., First Methodist church services.

KOA, Denver, Colo. (322.4m-930kc), 11 a. m., services, Augustana Lutheran church, Rev. E. G. Knock, pastor; 3 p. m., music hour, organ recital, Mrs. S. Clarence Trued; 7:45, studio program.

Pacific Time Stations

KFI, Los Angeles, Calif. (468.5m-640kc), 6:30 p. m., nightly doings; 6:45, Sunspot weather forecast, music appreciation talk; 7-8, Aeolian pipe organ studio,

Dan L. McFarland, organist; 8-9, Ysabel Bowen, soprano, Thomas Wade, baritone, Lee Bolin, tenor, Margaret Johnston, violinist; 9-10, Mabelle Hein and her Blue Bird band; 10-11, Packard Six dance orchestra.

KFON, Long Beach, Calif. (233m-1290kc), 4-4:30 p. m., amusement bulletin; 6-6:30, organ, Brayton's theater; 8-9, service of First Church of Christ, Scientist.

KFWB, Hollywood, Calif. (252m-1190kc), 9-11 p. m., late news, Warner Brothers Sunday night movie frolic, Jack Smith's dance orchestra, Ashley Sisters, Le Roy Kullberg and others.

KGO, Oakland, Calif. (361.2m-830kc), 11 a. m., services, First Congregational church, Rev. James L. Gordon, pastor; 3:30 p. m., concert, KGO Little symphony orchestra, Carl Rhodehamel, conductor, assisted by Arthur S. Garbett, interpretative writer, and Virginia Treadwell, contralto, guest artist.

KGW, Portland, Ore. (491.5m-610kc), 10:55-12 m., St. Stephens Pro-Cathedral; 7:30-9 p. m., East Side Baptist church; 9-10, concert, Chevrolet Little Symphony orchestra.

KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7 p. m., Leighton's Arcade cafeteria orchestra, Jack Cronshaw, leader; 7-7:30, First Methodist Episcopal church; 9-10:30, program, Young's Market company.

KNX, Hollywood, Calif. (366.9m-890kc), 2-4 p. m., Park Board program, Westlake park; 7-8, First Presbyterian Church of Hollywood; 9-10:30, program, Beverly Hills nurseries, Lubovisky trio.

KPO, San Francisco, Calif. (428.3m-700kc), 9:45-10:45 a. m., undenominational church service; 5-6 p. m., organ recital, Marshall W. Giselman; 6-6:30, Waldemar Lind and the States restaurant orchestra; 6:30-"Ye Towne Cryer"; 6:35-7:30, Palace hotel concert orchestra, Cyrus Trobbe, director; 9:10, Rudy Seiger's Fairmont hotel orchestra.

KTAB, Oakland, Calif. (240m-1250kc), 9:45-10:45 a. m., Bible lecture, Prof. E. G. Linsley; 11-12:30 p. m., church service; 9:30-11, after-service.

Monday, January 25

Headliners Today

Eastern	Central	Mountain	Pacific
8 p. m.	7 p. m.	6 p. m.	5 p. m.

CHIC (356.9m-840kc) Special program.
8:30 7:30 6:30 5:30

WNYC (526m-570kc) Scotch program, Robert Burns' anniversary.
WOR (405.2m-740kc) Al Reid's hour.
9 8 7 6

WHAZ (379.5m-790kc) Special International concert.
WLW (422.3m-710kc) An Evening of Serenades.
WTAG (268m-1120kc) Robin Hood hour of music.
9:30 8:30 7:30 6:30

Lullabies that send the little ones fast asleep waft out over the ether every Monday at 7:30 p. m. eastern time from WEAF, New York. These children's songs are sung by the sweet faced Lullaby Lady, above. Over 1,100 poems has Don Anchors, left, written. These songs of everyday American life are reaching the Radio audience of WHB, Kansas City.

KPRC (296.9m-1010kc) Steel guitar and mandolin specialities.
WBZ (333.1m-900kc) Instrumental trio.
10 9 8 7
KFI (468.5m-640kc) Screen artists' string quartet.
KTHS (374.8m-800kc) Opera hits.
WEAF (491.5m-610kc) Grand opera, "Martha," WOO, WJAR, WCAP, WTAG, WCAE.
WGR (319m-940kc) Popular program.
11:45 10:45 9:45 8:45
WDAF (365.6m-820kc) Wendell Hall.

Monday, silent night for: CNRA, CNRC, CNRE, CNRM, CNRO, CNRR, CNRT, CNRV, CNRW, KFAU, KFDM, KFEQ, KFMQ, KFMX, KFWA, KHJ, KLDS, KYW, PWX, WBBM, WBCN, WCAD, WCBD, WEAO WEBH, WEBJ, WEBW, WENR, WGBS, WGES, WGN, WHAS, WHT, WIBO, WIP, WJAZ, WJJD, WKAQ, WLIB, WLS, WMAQ, WMBB, WOAI, WOC, WOK, WORD, WQJ, WRC, WREO.

Eastern Time Stations

6KW, Twinucu, Cuba (338m-890kc), 10-11 p. m., American dance music.

CHIC, Toronto, Can. (356.9m-840kc), 8 p. m., CHIC symphony orchestra; Norma Wilcock, soprano; Grace Stewart Eydel, contralto.

CKNC, Toronto, Can. (356.9m-840kc), 10 p. m., Toronto conservatory instrumental trio, Frank Blachford, violinist; Leo Smith, cellist; Alberto Guerrero, pianist; Madeline Bell, soprano; Edgar Smith, bass.

KDKA, Pittsburgh, Pa. (309.1m-970kc), 7:15-8 a. m., morning exercises, O. Shannon, director; 5:45 p. m., children's period; 6:30, dinner concert; 8, news items; 8:15, book night, address, George Carver; 8:30, addresses, Engineering Society of Western Pennsylvania.

WBAL, Baltimore, Md. (246m-1220kc), 6-6:30 p. m., children's program; "Mother Goose Rhymes Told in China and Other Lands," Hazel Knox; 6:30-7:30, dinner program, WBAL dinner orchestra, Robert P. Iula, conductor; 7:30-8, musical program; organ recital, Peabody Conservatory of music; Frederick D. Weaver, organist; 8-9, musical program; Mary Mitchell, pianist; A. Douglas McComas, tenor; Marie Buddy, soprano.

WBBR, New York, N. Y. (272.6m-1100kc), 8 p. m., Syrian music, Professor Toufic Moubaid, Elizabeth Awad; 8:15, world news digest; 8:30, Bible instruction, "The Harp of God"; 8:45, Syrian music.

WBZ, Springfield, Mass. (333.1m-900kc), 6:30 p. m., Little Symphony orchestra; 7, Capitol theater orchestra; 8, C. J. Boyd, violinist; 8:30, "Theatrical Gossip," Samuel Wren; 9, Aleppo Drum corps; 9:30, Goldie Shour, violinist; Singne Sandstrom, cellist; Dorothy Kraemer, pianist; 10:05, Leo Reisman's Hotel Brunswick orchestra.

WCAE, Pittsburgh, Pa. (461.3m-650kc), 10:45 a. m., Gold Medal talk; 6:30 p. m., dinner concert, William Penn hotel; 7:30, Sunshine Girl; 8, Nixon concert; 9, concert; 10, grand opera.

WCAU, Philadelphia, Pa. (278m-1080kc), 8 p. m., Radio talk, Wilson N. Durham; 8:15, Carolyn Thomas, soprano; Ella Jaquette Kratz, pianist; 8:45, Barry O'Moore and the "437" American Radio trio; 9:10, Nokol concert; 9:30, Will Morrisey and Midgie Miller; 10, Kathryn Fighthorne, contralto; Virginia Klein, pianist; 10:30, Parodians dance orchestra.

WCX, Detroit, Mich. (516.9m-580kc), 6 p. m., dinner concert, Book-Cadillac hotel; 8, studio concert.

WEAF, New York, N. Y. (491.5m-610kc), 6:45-7:20 a. m., Tower Health exercises, WEEI WCAP; 10:45-11:05, Betty Crocker Gold Medal Flour home service talk; 11:05-11:15, Gladys M. Hawkins, popular pianist; 11:15-11:30, Garden talk, Leonard Barren, editor of Garden magazine; 11:30-12, lecture, "Physical Care of Infants and Small Children and Health of Pre-adolescent Children," Columbia university; 4-4:30, Lauria's orchestra; 4:30-4:45, Genevieve McKenna, soprano; accompanied by Winnifred T. Barr; 4:45-5, talk, "Experience in Interviewing Motion Picture Stars," W. Adolphe Roberts; 6-7, dinner music, Hotel Waldorf-Astoria; 7-7:20, lecture, Columbia university; 7:20-7:30, Adolphe Opfinger, pianist; 7:30-8, Lullaby trio; 8-8:30, pop concert, WOO; 8:30-8:45, Coal Miner's trio; 8:45-9, Tower Health talk, WEEI, WCAP; 9-10, music, the A. and P. Gypsies, WEEI, WCAP, WWJ, WJAR, WOO, WSAI; 10-11, grand opera "Martha," WEAF Grand Opera company, direction Cesare Sodero, WOO, WJAR, WCAP, WTAG, WCAE.

WEAR, Cleveland, Ohio (389.4m-770kc), 11:30 a. m., farm talk; 7 p. m., Allen theater orchestra, Phillip Spitalny, director.

WEEI, Boston, Mass. (348.6m-860kc), 2 p. m., Happy Hawkins and his orchestra; 6:15, Joe Rines and his Hunters' Cabin orchestra; 6:45, Big Brother club; 7:30, musicale; 8, E. B. Rideout, meterologist; 8:15, musicale; 8:45, health talk; 9, A. and P. Gypsies, WEAF; 10, Scotty Holmes and his orchestra, Imperial Marimba band.

WFI, Philadelphia, Pa. (394.5m-760kc), 10:30 a. m., solos; 10:40, Betty Crocker; 1 p. m., tea room ensemble; 3, "Physiology of Animal Care," Dr. R. Samadar; 3:10, Schubert string quartet; 6:30, Bellevue Stratford concert orchestra; 7, Bellevue Stratford hotel dance orchestra.

WGBS, New York, N. Y. (315.6m-950kc), 10-10:10 a. m., timely talks with Terese; 10:10-10:20, Bernard Kalken, organist; 10:20-10:30, fashion talk, Lillian Regan; 10:40-10:50, decoration, Dorothy Herzig; 1:30-1:40 p. m., Deborah Greenburg, soprano; 1:50-2, Samuel Kurland, violinist; 3-3:15, interview with Gladys Calthrop, stage designer; 3:15-3:30, Rosalie Blanchard and Walter Croft, song duos; 3:40-3:50, League of Women Voters program; 6-6:30, Uncle Geebee; 6:30-7, Premier club orchestra; 7-7:10, talk, American Bankers' association; 7:10-8, orchestra.

WGCP, New York, N. Y. (252m-1190kc), 3:10-3:20 p. m., race results and news items; 3:20-3:35, Le Roy Montesanto, tenor; 3:35-3:45, Eva Rothenberg, pianologue; 3:45-4, studio program; 4-4:30, Symphony orchestra; 4:30-5, Uncle Roberts Pals; 5:10-5:20, Ross Fowler and Belle Brooky; 8:30-9:15, Loomis orchestra; 9:15-9:25, talk to boys, Philip Woolf; 9:25-9:45, Perry Bradford and his Cotton Belt quartet; 9:45-10, Bob Ward and 3 little Wards; 10-10:30, Charles Strickland and his orchestra.

WGHP, Detroit, Mich. (270m-1110kc), 6 p. m., dinner concert, Hotel Tuller; 8, WGHP Little Symphony orchestra, soloists.

WGR, Buffalo, N. Y. (319m-940kc), 2:30 p. m., WGR's afternoon program; 6:30, Mountain View orchestra; 8, Clayton Fatteys and his Roycroft orchestra of East Aurora; 9, recital, Annie Kadwill, St. Catherines, Ont.; 10, Madeline Mooney's popular program.

WGY, Schenectady, N. Y. (379.5m-790kc), 2 p. m., Asia restaurant orchestra; 2:30, "When and How to Use Dried Fruits," Elva Campbell; 6:30, dinner program, Porter E. Potts' Hotel Van Curler orchestra; 7, WGY agricultural program; 7:45, Elizabeth Eugenia Murphy, soprano; Cecil Wright, pianist; WGY orchestra; "Literary Appreciations," William L. Widdemer.

WHAR, Atlantic City, N. J. (275m-1090kc), 2 p. m., Seaside hotel trio; 7:30, fashion revue; 8, Seaside hotel trio.

WHAZ, Troy, N. Y. (379.5m-790kc), 9 p. m., international concert; 9:30, "The Lesson of History," Prof. Samuel Rezneck; 10, international program, Campus serenaders.

WHN, New York, N. Y. (361.2m-830kc), 6-6:30 p. m., Littmann's dinner music; 6:30-6:45, Daddy Dingle and his Jingle Box; 6:45-7, Littmann's dinner music; 7-7:30, Marlboro State trio; 7:30-8, Joe Ward's Swanee entertainers; 8-8:05, Storage Battery talk, H. B. Shontz; 8:05-8:30, Roseland dance orchestra; 8:30-9, Sans Gene orchestra; 10-10:30, Shanley's orchestra; 12-12:30 a. m., Ted Lewis and his orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:45 a. m., setting-up exercises; 7, setting-up exercises; 1 p. m., Gimbel tea room orchestra; 3, Theodore Liedemedt, violinist; Walter Kruger, pianist; James M. Clawson, baritone, Flora Ripka, pianist; 3:45, "Irritability," Dr. C. A. Patten; 4, market hints to housewives; 6:05, Benjamin Franklin concert orchestra; 7, Uncle Wip's bedtime stories; dancing lessons, Miller Conservatory of dancing.

WJAR, Providence, R. I. (305.9m-950kc), 10 a. m., housewives' hour; 1:05 p. m., studio program; 8, Earl Shean and his orchestra; 9, A. & P. orchestra; 10, grand opera.

WKAR, Lansing, Mich. (285.5m-1000kc), 7-7:15 p. m., Farmerkins' bedtime stories; 7:15-7:3, home economics course, "Table Setting," Josephine Hoffrath; 7:30-7:45, "Short Cuts in Food Preparation," Edna Smith and Irma Gross; 7:45-8, "Selection and Use of the Commercial Pattern," Carrie Williams; 8-9, dance program; Michigan State Union orchestra.

WLIT, Philadelphia, Pa. (394.5m-760kc), 12:02 p. m., daily almanac; Stanley theater organ recital; Arcadia cafe concert orchestra; 2, Arcadia cafe concert orchestra; 4:30, recital; 7:30, Dream Daddy's bedtime stories; 8:20, the Smeltzer Litthales, soprano; 9, Stanley hour of music; 10, Arcadia cafe dance orchestra; 10:30, Fay's Knickerbocker vaudeville.

WLWL, New York, N. Y. (288.3m-1040kc), 9-9:15 p. m., Boris Popovitzky, pianist; 9:15-9:30, Odette Le Fontenay, soprano; 9:30-9:45, question box; 9:55-10:10, songs; 10:10-10:30, Study club; 10:30-11, Belais quartet.

WMAK, Lockport, N. Y. (266m-1130kc), 7:30-8:30 p. m., Murray Whiteman and his serenaders; 8:30-9, New Olympic theater.

WMCA, New York, N. Y. (340.7m-880kc) 6-6:30 p. m., Olcott Vail and his Hotel McAlpin string ensemble; 6:30-7:30, Ernie Golden and his Hotel McAlpin orchestra; 7:30-8, Kurtz Karnival Kings; 8-9, Knickerbocker Family circle; 9-10, lecture, Christian Science, Hon. Wm. E. Brown, C. S. B. of Los Angeles; 10:45-11, Barclay Radio program; 12-12:30 a. m., Jack Denny and his Frivolity orchestra.

WNYC, New York, N. Y. (526m-570kc) 6:30-7:30 p. m., elementary and advanced German lesson; 7:35-8:30, dance program; 8:30-10:10, Scotch program, Robert Burns' anniversary; 10:10-10:30, lecture.

WOO, Philadelphia, Pa. (508.2m-590kc), 11 a. m., organ recital; 12:02 p. m., Golden's crystal tea room orchestra; 4:45, organ recital; 7:30, Ritz Carlton concert orchestra; 8, pop concert; 9, A. and P. Gypsies; 10, grand opera from WEAF.

WOR, Newark, N. J. (405.2m740kc), 2:30-3:30 p. m., Oreste's orchestra; 3:15-4, talk, Charm Magazine; 6:15-6:17, "Words Often Mispronounced"; 6:17-6:30, sport talk, Bill Wathey; 6:30-7:30, Jacques Jacobs' Hotel Shelton ensemble; 7:30-8, Katinka orchestra; 8-8:15, current topics, H. V. Kaltenborn; 8:30-9:30, Al Reid's hour.

WRVA, Richmond, Va. (256m-1170kc), 8:10 p. m., University of Richmond band; 8:30, Dr. F. W. Boatwright; 8:40, Richmond band; 9, travelogue, Dr.

U. S. STATIONS TO GREET EUROPEAN

Index to Popular Concerts

Saturday, January 23

Eastern	Central	Mountain	Pacific
7:30 p. m.	6:30 p. m.	5:30 p. m.	4:30 p. m.
WFAA.			
8	7	6	5
WAMD, WLS.			
9	8	7	6
WBBM, WEAF, WENR, WGBS, WLS, WMAQ, WNYC.			
10	9	8	7
KFAB, KPRC, WBBM, WENR, WGN, WLS, WMBB, WREO.			
11	10	9	8
KFVE KFWB, KNX, KTHS, WBBM, WMBB, WOK, WQJ, WRC.			
12	11	10	9
KNX KOIL, KPO, KPRC, WBBM, WLS, WOAW, WOK, WQJ.			
1 a. m.	12 m.	11	10
KFWB, WDAF, WBBM, WEBH, WENR, WOK, WQJ, WSAI.			
2	1 a. m.	12 m.	11
KNX, WBBM, WENR, WQJ.			

Sunday, January 24

Eastern	Central	Mountain	Pacific
9 p. m.	8 p. m.	7 p. m.	6 p. m.
WBBM.			
10	9	8	7
WAMD, WBBM, WMBB.			
12	11	10	9
KNX, KTHS.			
1 a. m.	12 m.	11 p. m.	10
KFWB, WBBM.			
2	1 a. m.	12 m.	11
KFWB.			

Monday, January 25

Eastern	Central	Mountain	Pacific
7 p. m.	6 p. m.	5 p. m.	4 p. m.
WBBM, WFAA, WOAW.			
8	7	6	5
WGBS.			
9	8	7	6
WCAU, WEAF, WGR, WKRC, WOK.			
10	9	8	7
KFAB, WGR, WKRC, WMCA, WOAW, WOK, WSOE.			
12 m.	11	10	9
KLX, KNX, KOIL, WAMD, WHO, WOK.			
1 a. m.	12 m.	11	10
KFWB, KLX, WAHG, WDAF, WHT, WKRC, WOK.			
2 a. m.	1 a. m.	12 m.	11
KFWB.			

Tuesday, January 26

Eastern	Central	Mountain	Pacific
7 p. m.	6 p. m.	5 p. m.	4 p. m.
WMCA, WOAW.			
8	7	6	5
WBBM, WEAR.			
9	8	7	6
WBBM, WEAR, WBZ, WSB.			
10 p. m.	9 p. m.	8 p. m.	7 p. m.
WBBM, WMBB, WOAW.			
12 m.	11	10	9
KNX, KOIL, KPO, WAMD, WBBM, WFAA, WKRC, WMC, WOK, WQJ.			
1 a. m.	12 m.	11	10
KFWB, KNX, WFAA, WHT, WOAW, WOK, WQJ.			
2	1	12 m.	11
KFWB, WQJ.			

Wednesday, January 27

Eastern	Central	Mountain	Pacific
8 p. m.	7 p. m.	6 p. m.	5 p. m.
KFNF, WAHG, WEBJ, WEEI, WMCA.			
9	8	7	6
WBBM, WEBJ, WGCP, WNYC.			
10	9	8	7
KFAB, KPRC, WBBM, WGCP, WHO, WMBB.			
12 m.	11	10	9
KFWA, KFWB, KNX, KYW, WAMD, WOK, WQJ WSAI.			
1 a. m.	12 m.	11	10
KNX, KYW, WBBM, WHT, WOK, WQJ.			
2	1 a. m.	12 m.	11
KFWB, KNX, WBBM, WOK, WQJ.			

Thursday, January 28

Eastern	Central	Mountain	Pacific
8 p. m.	7 p. m.	6 p. m.	5 p. m.
WCAE, WEAF, WJAR, WMC, WOC, WSAI.			
9	8	7	6
WBBM, WHAD.			
10	9	8	7
KMA, WBBM, WEEI, WHAD, WHN, WMBB, WMC, WNYC, WOAW, WSOE.			
12 m.	11	10	9
KHJ, KTAB, KOIL, WBBM, WDAF, WEAA, WKRC, WOC, WOK, WQJ.			
1 a. m.	12 m.	11	10
KFWB, KHJ, WHT, WOK, WQJ.			
2	1 a. m.	12.m.	11
KNX, WQJ.			

Friday, January 29

Eastern	Central	Mountain	Pacific
8 p. m.	7 p. m.	6 p. m.	5 p. m.
WGCP, WJR.			
9	8	7	6
WAMD, WBBM, WGR, WLS.			
10	9	8	7
KFAB, WBBM, WMC, WDAF, WHAD, WMBB, WOAW, WSOE.			
12 m.	11	10	9
KFWB, KHJ, KNX, KOIL, WAMD, WMC, WOK, WQJ.			
1 a. m.	12 m.	11	10
KFWB, KHJ, WDAF, WHT, WOK, WQJ.			
2	1 a. m.	12 m.	11
KNX, WQJ.			

WGST, Atlanta, Ga. (270m-1110kc), 9-10 p. m., program, James Herty Lucas, guitarist.

WHAD, Milwaukee, Wis. (275m-1090kc), 11 a. m., pianolog, Andy Hertel; 4 p. m., Trixy Ann Troy, ukulele; 6:15-7, Bill Benning's Milwaukee Athletic club orchestra; 8-10, Marquette university studio program.

WHAS, Louisville, Ky. (399.8m-750kc), 1-2 p. m., Royal Peacock orchestra; 3-3:30, Mrs. Myrtle Fulks Zahn, Jr., organist; 4-5, Music Box; editorials.

WHB, Kansas City, Mo. (365.6m-820kc), 2-3 p. m., Sweeney Radio trio; 7-8, Lola B. Lewis, popular soloist; Sweeney Radio orchestra; Milo Finley stringed quartet.

WHO, Des Moines, Iowa (526m-570kc), 7:30-9 p. m., Simpson Conservatory of Music, Dean Harvey, director; 11-12, Corn Sugar orchestra.

WHT, Chicago, Ill. (399.8m-750kc), 10 a. m., women's club program; Borden health talk; Helen Rauh, pianist; John Clark, baritone; 10:45, home service, Betty Crocker; 11, special features; 11:15, drama talks; 6 p. m., classical program; dinner organ recital, Al Carney; 6:40, Kitchen Klenzer entertainments.

WIBO, Chicago, Ill. (226m-1330kc), 10-11 a. m., shoppers' bureau, Grace Viall Gray; 2-4 p. m., Ted Fiorto, pianist; Dan Russo, violinist; Victor Young, violinist.

WJAD, Waco, Texas (352.7m-850kc), 8:30-10 p. m., program, Glen C. Hutton, director.

In the center are the "Two Jays" of WBBM, Chicago, Corinne Jordan and Fred Jeske, staff artists of the Stewart-Warner studios. Above is Mrs. Sue Pearce, whose classical and jazz singing is much appreciated at KWKH, Shreveport.

Monday, January 25

Douglas Freeman; 9:10, mixed quartet; 10, string orchestra.

WRC, Washington, D. C. (469m-640kc), 10 a. m., women's hour, WJZ; 12 n., organ recital, Homer L. Kitt studios; 1 p. m., Shoreham hotel orchestra, Sidney Seideman, director; 4:30, musical program.

WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., dinner concert, Speed Wagon serenaders and Gold Standard ensemble; miscellaneous bulletins.

WTAG, Worcester, Mass. (268m-500kc), 10:30 a. m., musical selections; 10:45, talk, Marjorie Woodman; 12:05-2 p. m., noonday luncheon music, WTAG orchestra, Will Hardy, director; 7, science talk, Fred D. Aldrich, Worcester academy; 7:15, Twilight Scouts; 7:45, Scout announcements, Joseph Wadleigh; 8, W. C. Monahan, "Pedigree Breeding"; 9-10, Robin Hood hour of music, Arthur Crosbie, director; 10-11, grand opera, WEAF.

WTIC, Hartford, Conn. (475.9m-630kc), 11 a. m., "Citizenship," Prof. Sigmund Adler; 11:15, talk; 11:25, music; 11:30, talk for housewives, Mrs. J. M. Dean; 12:05 p. m., music; 6:30, Mother Goose; 6:50, dinner music; 9, popular period; 9:30, dance music; 10:30, long distance program.

WWJ, Detroit, Mich. (352.7m-850kc), 7:30-8 a. m., setting-up exercises, R. J. Horton; 9:30, tonight's dinner; 10:45, Betty Crocker home service talk; 12:05 p. m., Jules Klein's Hotel Statler orchestra; 3, Detroit News orchestra; 6, dinner concert; 8, News orchestra, soloists; A. and P. Gypsies.

Central Time Stations

CKY, Winnipeg, Can. (384.4m-780kc), 8 p. m., university lecture; 9, studio program; 11, weekly revue, Metropolitan theater.

KFAB, Lincoln, Nebr. (340.7m-880kc), 8:30 p. m., Lincoln Hi quartet; Ed Ellingson, original songbird; Mike Kopec, pianist; Cow Bell boys, violin and guitar; Belshaw's orchestra; Gloomy Gus; entertainer.

KFKX, Hastings, Nebr. (288.3m-1040kc), 1 p. m., Farm school paper, "Hog Day," J. M. Evvard; 5:30, dinner concert, KDKA; 9, musical program, artists.

KFKU, Lawrence, Kan. (275m-1090kc), 7 p. m., "The Race of the Steel Rails Across the Continent and the Golden Spike," Prof. Frank A. Russell; 7:15, music, School of Fine Arts; Eugene Christy, tenor; Taymond Lawrenson, pianist; 7:40, sports question box, John W. Bunn; 7:55, campus news.

KFMQ, Fayetteville, Ark. (299.8m-1000kc), 7:30 p. m., farm filosofy, Cy Adams; "Prepare for a Permanent Pasture," J. H. Gayer; "Cotton Diseases," H. R. Rosen; "Adapting the Spring Clothing Budget to the Individual Needs," Mrs. Beele H. H. Robinson; "County Organizations," Ells Posey; "Cooperative Buying and Home Mixing of Fertilizer," Byron Butler.

KFNF, Shenandoah, Iowa (266m-1130kc), 1:30-2:30 p. m., mothers' hour; 7, concert, Henry Field Seed company.

KFUO, St. Louis, Mo. (545.1m-550kc), 8 p. m., "The Young People and Their Church," Prof. Walter A. Maier.

KFVE, University City, Mo. (240m-1250kc), 9:15 p. m., woman's hour, Woman's National exposition; talks for amateur Radio enthusiasts, T. B. Gibbs; Orchestra Romaine; organ moments, Dave George.

KMA, Shenandoah, Iowa (252m-1190kc), 11:30-12:30 p. m., noonday rural program; talk, Earl E. May; travelog, G. H. Van Houten; musical saw, J. A. Showers; music; news; 6-7, Pollyana stories, Mrs. Nickols; news; music; 9, Farnham trio; How-Do-You-Do boys.

KMMJ, Clay Center, Nebr. (299m-1310kc), 1:30 p. m., factory and office program; 7:30, Old Trusty orchestra.

KPRC, Houston, Texas (286.9m-1010kc), 12 noon, Frank Tilton, boy pianist; 5:30, p. m., Uncle Judd's Kiddies' hour; 7:30, Records' Ramblers, dance music; 8:30, Mrs. Clarence L. Brock, steel guitar and mandolin specialties; 9, Mr. and Mrs. Hu T. Huffmaster, baritone and dramatic soprano.

KSAC, Manhattan, Kans. (340.7m-880kc), 9-9:25 a. m., music, inspirational talks, agricultural primer, calisthenics; 9:55-10:25, readings, backyard gossip, question box; planning today's meals; 12:35-1:05 p. m., readings, question box; "Some Suggestions for the New Year," G. W. Salisbury; "Sweet Clover for Summer Pasture," J. W. Linn; 4:30-5, Third Year English literature, high school credit; 6:30-7:30, market review; book review, current events; sociology, extension credit course; "Some Facts to Look for in Reading Your Market," R. M. Green; "Sorghums as Feed for Dairy Cows," J. B. Fitch.

KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., Fur hour; recital, Joseph Huber, cornetist; 7:30, program, Tieman family orchestra; 9, artist concert, David F. Earle, pianist.

KTHS, Hot Springs National Park, Ark. (374.8m-750kc), 12:30-1 p. m., orchestra; 9-9:45, opera hits, New Arlington hotel orchestra; 9:45-10, organ concert, Lawson Reid; 11-12, Rainbow Garden; frolic from Little Rock.

KYW, Chicago, Ill. (535.4m-560kc), 6:30-7 a. m., morning exercises, Paul A. Leonhardt; 7:30, morning family worship, Y. M. C. A.; 11:15, talk, John C. Cutting; 11:35, table talk, Mrs. Anna J. Peterson, Peoples Gas company; 12:05 p. m., concert; 1, luncheon concert, Congress hotel; 6, dinner musical, KDKA, 7:05, bedtime story, Walter Wilson.

WAMD, Minneapolis, Minn. (244m-1230kc), 12 m., Coilla Dare, contralto; Roy Nowack, banjoist; Jack Leeman, clarinetist; Bee Lowell, accompanist; Chuck Johnson, uke soloist; Grace Norman, soprano; 7:01 p. m., Garrick theater symphony orchestra, Fred Heiseke; 7:20, classical program; Edna Weese, soprano; Isabelle Olson, violinist; Lila Logan, accompanist; Charles Sandberg, baritone; Grace Hawley, accompanist; 9, Scotch program; 11, Skyrocket frolic, George Osborn's Hotel Radisson Skyrockets.

WBBM, Chicago, Ill. (226m-1330kc), 4-6 p. m., Valentino Inn orchestra, artists; 6-7, Harold Anderson, piano-accordionist; WBBM string trio artists.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 10:45 a. m., home service talk, "Substantial Soups," Betty Crocker; 12, Donaldson's orchestra; 2, woman's hour; 2:30, afternoon concert; 4, readers' club, Mrs. Walter Stevens; 5:30, children's hour; 6, "Winnipeg to New Orleans Party," Colonel Ralph Webb; 6:30, dinner concert, Gordon Cooke ensemble; Meta Ashwin Birnbach, soprano; Louise Lupien Jenkins, accompanist; 8, University of Minnesota program; 9, classical concert.

WDAF, Kansas City, Mo. (365.6m-820kc), 10:45-11 a. m., Betty Crocker, home service talk; 6-7 p. m., Tell-Me-a-Story lady; dialect readings, C. M. Ragan; music, The Trianon ensemble, Hotel Muehlebach; 8-8:30, program, Ivanhoe band, Walter A. French, director, and Ivanhoe glee club, Edward H. Gill, Jr., director, Julian Amelung, accompanist; 11:45-1 a. m., The Plantation players, Hotel Muehlebach; selections, Ted Meyn, Pantages theater organ.

WDOD, Chattanooga, Tenn. (256m-1170kc), 6:30-7 p. m., organ music, Tivoli theater; 7-8, Hotel Patten orchestra; 8:15, special features and program.

WEAO, Columbus, Ohio (283.8m-1020kc), 1:15 p. m., timely economic information for the farmer, C. J. West; 1:30, music.

WEBH, Chicago, Ill. (370.2m-810kc), 11:30-12 m., woman's half hour; 3-4 p. m., special features.

WFAA, Dallas, Texas (475.9m-630kc), 12:30-1 p. m., DeWitt McMurray; E. F. Roettcher, tenor; Viola Cassidy, pianist; 4:30-5, Cyrus Barcus, cornetist; 6:30-7:30, Artie Collins and his orchestra; 8:30-9:30, Sears-Roebuck agricultural foundation program.

WGES, Oak Park, Ill. (250m-1200kc), 5-7 p. m., Coyne serenaders, organ, basso, pianist.

WGN, Chicago, Ill. (302.8m-990kc), 11-11:30 a. m., household hints; 11:30-12 m., fashion discussion; 12:40-2:30 p. m., luncheon concert, Drake concert ensemble and Blackstone string quintet; 2:30-3, Lyon & Healy artists; 3-3:25, public service period; 3:25-3:30, Port o' missing men; 3:30-4:15, tea time music, Marshall Field tea room orchestra; 4:30-5, organ recital, Edward Benedict, Kimball hall; 5:30-5:55, Skeezix time, 6:30-7, dinner concert, Drake concert ensemble and Blackstone string quintet.

WKAF, Milwaukee, Wis. (261m-1150kc), 10-11 p. m., Viola Sontag, pianist; Robert F. Hall, baritone.

WLS, Chicago, Ill. (344.6m-870kc), 12-1 p. m., WLS studio trio.

WLW, Cincinnati, Ohio (422.3m-710kc), 7:30 a. m., Healthful exercises, William Stradtman; 8, morning devotions, auspices of the Parkway Y. M. C. A.; 12:05 p. m., religious service, Rev. George H. Kase, pastor; 4, children's hour, young pupils from the Cincinnati college of music; 7, dinner hour concert, Hotel Gibson orchestra, Robert Vincontl, director; 7:30, Y. M. C. A. basketball question box; 8, Times-Star program, Times-Star orchestra featuring "An Evening of Serenades."; William Kopp, musical director, soloist, William Hafford.

WMAQ, Chicago, Ill. (447.5m-670kc), 12:20 p. m., Junior Association of commerce; 1, Radio farm school; 2, shut-in program; 4, mothers in council; 4:30, "Foibles of the Moment," Mrs. Graham Aldis; 4:40, Glenn Dillard Gunn school of music; 5, children's games, Glenn Adams; 5:15, Topsy Turvy time; 6, Chicago theater organ recital; 6:30, Hotel LaSalle orchestra; 6:40, Family Altar league.

WMC, Memphis, Tenn. (499.7m-600kc), 8:45 p. m., Cortese ensemble.

WNAD, Norman, Okla. (254m-1180kc), 12:30 p. m., Dorothy Patswald, soprano; Frances Brixey, pianist, 12:50, "History of Oklahoma," Dr. E. E. Dale; 7:20, "Business Fluctuations and the Forecasting of Business Conditions," A. B. Adams; 7:30, "Mental Efficiency," W. W. Phelan; 7:40, "The Women of Homer and of the Present Time," Prof. J. F. Paxton; 11, Ramblers.

WOAI, San Antonio, Texas (394.5m-760kc), 3 p. m., musical program.

WOAW, Omaha, Nebr. (526m-1000kc), 12:45 p. m., Randall's Royal Fontenelle orchestra; 6, classical; 6:15, popular song period; 6:40, insurance talk, Daniel D. Mackin; 6:50, Randall's Royal Fontenelle orchestra; 9, de luxe program.

WOC, Davenport, Iowa (483.6m-620kc), 12:15-12:25 p. m., "Hog Day," Prof. John M. Evvard; 3-3:30, home management, Aunt Jane; 5:45-6, chimes.

WOI, Ames, Iowa (270m-1110kc), 12:30 p. m., college chimes; 12:45, Prof. Earl Weaver, discussion relating to dairy production; 7:30, automobile short course, Prof. A. Shane, "The Care of the Automobile in Cold Weather"; 7:50, program.

WOS, Jefferson City, Mo. (440.9m-680kc), 8 p. m., "The Crimson Trail of a New Idea," Samuel M. Jordan; program, Christian college.

WQJ, Chicago, Ill. (447.5m-670kc), 11-12 m., home economics program; 3-4 p. m., "Food Terms and Names You Do Not Know," Helen H. Downing; book review, Rev. Fred J. Harrison.

WRR, Dallas, Texas (246m-500kc), 12-1 p. m., Hartwell Jones, piano, ukulele soloist; Bill Davidson, singer; 5:15, bedtime story; 6-7, dinner hour concert, Jack Gardner's orchestra; 8-9, Magnolia Petroleum company orchestra; 11-12, novelty program, Virgil Whitworth, xylophone and theatrical talent.

WSAI, Cincinnati, Ohio (325.9m-920kc), 11-12 midnight, Community Symphony orchestra; 12-1 a. m., Charles Dornbergers Victor Recording orchestra.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., Emory university glee club.

WSM, Nashville, Tenn. (282.8m-1060kc), 6:30 p. m., concert, Francis Craig and his orchestra; 7, WSM bedtime story; 8, glee club, Tennessee school for the blind; 11, program, Vito M. Pellettierl's orchestra.

WSOE, Milwaukee, Wis. (246m-1220kc), 2 p. m., cooking chats, Prudence Penny; 5, news and sport reports, Badger Crier; 5:30, twilight hour, Elmer Ihrke, pianist; Aunt Happy, children's stories; Candygram artists; 9, Candygram frolic, Briar Cliff orchestra; Lorraine Hug, pianist; Ina Rae, child soprano; E. R. Erving, baritone; Van Buren's Hawaiians; Venturi Callahan, "Harmonic Wizard"; other Candygram artists.

WSUI, Iowa City, Iowa (483.6m-620kc), 12:30 p. m., Esther Swisher, pianist; "Leadership Through the High School," Dr. T. J. Kirby; 4 p. m., current events, Prof. Stephen H. Bush; 8, Mrs. Preston C. Coast, organist; Methodist church quartet.

Mountain Time Stations

CFAC, Calgary, Can. (435.8m-690kc), 8-9 p. m., Jack Rushtons serenaders.

KFWA, Ogden, Utah (261m-1150kc), 4-5 p. m., organ recital, Paramount theater; 5-6, Ogden Radio Dealers' program.

KFXF, Colorado Springs, Colo. (250m-1200kc), 8:30 p. m., musical selections; 8:45-9, educational talk.

KOA, Denver, Colo. (322.4m-930kc), 12:15 p. m., Rialto theater musicale; 6:30, dinner concert, Brown Palace string orchestra, Howard Tillotson, director; 7:30, sandman's hour; 8:30, instrumental program, Colorado theater orchestra; 8:50, novelty program; 10, KOA orchestra and assisting soloists.

KOB, State College, N. M. (348.6m-860kc), 7:30-8:30 p. m., "Irrigation," A. S. Curry; "Seed Centers," G. R. Quesenberry.

Pacific Time Stations

KFI, Los Angeles, Calif. (468.5m-640kc), 5:30-6 p. m., Owen Fallon' Californians; 6, nightly doings; 6:15, KFI's Seeing California; 6:30, vest pocket program; 6:45, Radiotorial period; 7-8, Screen Artists' string quartet; Frank Stever, baritone; 8-9, Packard Eight dance orchestra; 9-10, program, Walter M. Murphy Motors company; KPO, San Francisco; 10-11 program, Meiklejohn Brothers.

KFOA, Seattle, Wash. (453.3m-660kc), 6:45-8:15 p. m., Sherman, Clay and company program.

KFON, Long Beach, Calif. (233m-1290kc), 4:30-5 p. m., amusement bulletin; 6-6:30, organ, Brayton's theater; 8-9, Community Sing and program of the Sciots, directed by James H. Harvey; 9-10, Ardys Anderson musical hour.

KFWB, Hollywood, Calif. (252m-1190kc), 5-6 p. m., children's hour, Big Brother of KFWB; 7:30, microphone brevities; 9-10, program, Star Motor Car company; Sol Hoopii's Hawaiians, Million Dollar Four orchestra, Esther White, blues singer; 10-11, Warner Brothers frolic, direction Charlie Wellman.

KGO, Oakland, Calif. (361.2m-830kc), 7:15-7:30 a. m., health training exercises, Hugh Barrett Dobbs; 7:45, "Pep Class," Hugh Barrett Dobbs; 8:15-8:30, health training exercises, Hugh Barrett Dobbs; 8:30, daily strength; 3-4 p. m., interpretation of classics, Wilda Wilson Church; Elore Greely and Edith Ohler, pianists, Letitia Anna Miller studios; Catherine Connolly, cellist; 5:30-6, Aunt Betty stories, Ruth Thompson; 6-6:55, dinner concert, Knickerbocker trio; 6:55, news items; 9, educational program; "Chats About New Books"; "Better English," Wilda Wilson Church; "A Day in a Psychologist's Office," Dr. Albertine Richards Nash; "Achieving a University Education by Correspondence," Dr. George S. Smithson.

KGW, Portland, Ore. (491.5m-610kc), 7:15 a. m., Y. M. C. A. physical culture exercises; 10:30-11:30, town crier; music; news items; shopping guide; 12:30-1:30 p. m., concert, Oregon Radio Trades association; 6-7, dinner concert, Olds, Wortman and King company; 7:30-7:45, news items and sporting results; 9-10, concert, Willys-Overland Pacific company.

KMTR, Hollywood, Calif. (238m-1260kc), 5-6 p. m.,

WITH TALKS IN MANY LANGUAGES

A voice worthy of the opera has Erwin Holbrook, baritone, who sings operatic numbers at WOC, Davenport.

science and arts; 5:45 p. m., Daddy Winkum; 6:30. dinner concert; 8, news items; 8:15, address, "Methods of Preparation," Wayland M. Parrish; 8:30, sacred song time; 11:35, concert, Grand theater; 9, concert, Little Symphony orchestra; Edward L. Marsh, tenor.

WBAL, Baltimore, Md. (246m-1220kc), 6:30-7:30 p. m., dinner program; WBAL string trio; John Wilbourn, tenor; Philip Jeffreys, pianist; 7:30-8, WBAL male quartet; 8-9, musical program; selections from oratorios, choir of Eutaw Place temple, Howard Thatcher, director.

WBZ, Springfield, Mass. (333.1m-900kc), 6:30 p. m., Little Symphony orchestra, KDKA; 6:45, Hotel Lenox ensemble; 7:30, "Literary Values in Recent Books," Prof. Robert Emmons Rogers; 8, hockey game.

WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert, William Penn hotel; 7:30, Davis saxophone octet, WEAF;. 8, program, WEAF; 8:30, Gold Dust Twins; 9, Eveready hour; 10, Your hour; 10:30, Vincent Lopez and his orchestra; 11, midnight frolic.

WCAU, Philadelphia, Pa. (278m-1080kc), 7:30, N. Snellenburg recital; 8, building and loan talk, F. Baruch; 8:10, Three Brothers; 8:25, theater digest, Abe Dipschutz; 8:35, playlet; 9, Robert Fraser, blind gospel singer, Elizabeth Holtz, pianist; 9:30, Sea Isle City Gardens orchestra; 10, Harry Link, songs; 10:30, Billy Hayes and his Cathay Tea Garden dance orchestra (signs off at 11 for transatlantic tests).

WCX, Detroit, Mich. (516.9m-580kc), 6 p. m., dinner concert, Book-Cadillac hotel; 10, the Red Apple club.

WEAF, New York, N. Y. (491.5m-610kc), 6:45-7:20 a. m., "Tower Health Exercises," also through WEEI, WCAP; 11-11:10, Ann Robertson, violinist; 11:10-11:25, "Trend of the Time," Arthur D. Rees; 11:25-11:35, Ann Robertson, violinist; 11:35-11:50, motion picture forecast, Adele Woodard; 11:50-12, Ann Robertson, violinist; 4-4:30, John Ingram's string quartet; 4:30-6, women's program, auspices of Women's League of United Synagogue of America; 6-7, dinner music, Hotel Waldorf-Astoria; 7-7:10, Blanche Kraft Fink, soprano, accompanied by Winifred T. Barr; 7:10-7:30, French course, Columbia university; 7:30-8, Ross Gorman and his orchestra from Monte Carlo; 8-8:30, Blue Ribbon male quartet, WEEI, WFI, KSD, WCAE, WWJ, WGR; 8:30-9, Gold Dust Twins, WEEI, WFI, WGR, WWJ, WSAI, WOC, WJAR, KSD, WCCO, WTAG, WGN, WEAR, WCAE, 10-10:30, moment musicale, WCAE, WGR, WWJ, WFI, WEEI, WTAG, KSD, WEAR; 10:30-11, Vincent Lopez and his orchestra from Casa Lopez; 11-12, silent for international Radio tests.

WEAR, Cleveland, Ohio (389.4m-770kc), 11 a. m., home service talk; 11:30, farm talk; 7 p. m., State theater vaudeville and music; 8, studio program; 8:30, Gold Dust Twins, WEAF; 9, Eveready entertainers, WEAF; 10, program, WEAF.

WEBJ, New York, N. Y. (273m-1100kc), 7-7:45 p. m., orchestra; 7:45-8, Jack Gall, concert pianist; 8-8:15, railroad talk, G. T. Geer; 8:15-8:30, Benjamin J. Armus, tenor, accompanied by Anna Heinisch; 8:30-9, Alciconnes Harlem Tea Garden orchestra.

WEEI, Boston, Mass. (348.6m-860kc), 2 p. m., Eugene's Singing orchestra, George Joy, Neil Cantor; 6:20, talk, Mrs. Nellie E. Friend; 6:45, Big Brother club; 7:30, musicale; 8, Blue Ribbon male quartet, WEAF; 8:30, Gold Dust Twins; Eveready hour; musicale; Vincent Lopez and his orchestra.

WFI, Philadelphia, Pa. (394.5m-760kc), 1 p. m., tea room ensemble; 3, Philadelphia Music club concert; 6:30, Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra; 8, Blue Ribbon male quartet; 8:30, Gold Dust Twins; 9, Eveready hour; 10, moments musical; 10:30, Vincent Lopez dance orchestra.

WGBS, New York, N. Y. (315.6m-950kc), 10-10:10 a. m., timely talks with Terese; 10:10-10:20, Frank Galassi, uke and songs; 10:20-10:30, Phoebe Cole; 10:30-10:40, Frank Galassi, uke and songs; 10:40-10:50, reducing talk, Nestor Matson; 1:30-2 p. m., Murray Miller, jazz pianist; 3-4, Biblical musical program, readings, Rev. McAlpin; 6-6:30, Uncle Geebee; 7-8, Arrowhead inn concert orchestra; 8:20-10, comedy, "The Sympathy Snatchers."

WGCP, New York, N. Y. (252m-1190kc), 3-3:10 p. m., pianist; 3:10-3:20, race results and news items; 3:20-3:30, Paul Hogan, tenor; 3:30-3:45, Isabele Henderson, soprano; 3:45-4, 20th Century entertainers; 4:15-4:45, J. Vincent Moore, tenor; 4:45-5, Ukulele Bob McDonald; 5-5:10, race results and news items; 7-7:30, Janssen's orchestra; 7:30-7:55, studio program; 7:55-8, health talk; 8-8:30, orchestra.

WGHP, Detroit, Mich. (270m-1110kc), 6 p. m., dinner concert, Hotel Tuller; 8, Skylark dance band; Charles Wiggle, singing cop; Gladys Sanderson, ukulele lady.

WGR, Buffalo, N. Y. (319m-940kc), 2:30 p. m., WGR's afternoon program; 6:30, Vincent Lopez' Hotel Statler dance orchestra; Harold Gleser, director; 8, jointly with WEAF, including Blue Ribbon quartet, the Gold Dust Twins, Eveready hour and Vincent Lopez and his Casa Lopez orchestra.

WGY, Schenectady, N. Y. (379.5m-790kc), 2 p. m., Mrs. E. G. Colburn, pianist; 2:30, Stephen E. Boisclair, organist; 6:30, Porter E. Potts' Hotel Van Curler orchestra; 7:30, Marine band, WRC; 8:30, Edison hour, WJZ; 9:30, "Progress of Broadcast Development by General Electric company," C. J. Young; 9:40, Mrs. Dana C. Goodrich, soprano; 10, "The Riviera," WJZ; 10:30, W. Spencer Topman's Hotel Mayflower orchestra, WRC.

WHAR, Atlantic City, N. J. (275m-1090kc), 2 p. m., Seaside hotel trio; 7:30, talk; 8, Seaside hotel trio.

WHN, New York, N. Y. (361.2m-830kc), 12:30-1 p. m., Lexington organ recital; 2:15-3:15, overture and vaudeville, Loew's State; 3:15-4:30, Lexington orchestra; 6:30-7, Everglades orchestra; 7-7:30, Vincent Lopez' Iceland orchestra; 7:30-8, Will Oakland's Chatheau Shanley; 12, Bob Murphy's orchestra; 12-12:30 a. m., Club Kentucky orchestra.

WIP, Philadelphia, Pa. (508.2-590kc), 6:45 a. m., setting-up exercises; 7, setting-up exercises; 10, menu talk, Mrs. Anna B. Scott; 1 p. m., organ recital, Germantown theater; 3 artist recital, Lansdale Conservatory of Music; 6:05, Al Lentz and his Versatile entertainers; 7, Uncle Wip's bedtime stories; songs, Pearl Goodman; 8, dramatic review, Elliott Lester 8:15, Wagner male quartet; Fred Rodgers, tenor; John J. Cook, tenor; Harry J. Markley, baritone; Samuel MacKenzie, bass; 10:05, movie talk, Ell M Crowitz; 10:30, Pagoda cafe orchestra.

WJAR, Providence, R. I. (305.9m-950kc), 1:05 p. m., Providence-Biltmore concert orchestra; 7:30, musicale; 8, speaker; 8:30, Gold Dust Twins, WEAF; 9, Eveready hour.

WKAR, Lansing, Mich. (285.5m-1000kc), 7:15-7:30 p. m., "The Digestive Tubes of Farm Animals," H. E. Johnson; 7:30-7:45, "Poultry Houses for Michigan," C. M. Ferguson; 7:45-8, "Aids for the Live Stock Breeder," V. A. Freeman.

WLIT, Philadelphia, Pa. (394.5m-760kc), 11 a. m., organ recital; 12:02 p. m., daily almanac; Stanley theater organ recital; Arcadia cafe concert orchestra; 2, Arcadia cafe concert orchestra; 4:30, Miriam Cohen, violinist; Arthur Comby, baritone; 7:30, Dream Daddy's bedtime stories; 7:30, play review, Allyn C. Saurer.

WMCA, New York, N. Y. (340.7m-880kc), 11-12 a. m., Ida Bailey Allen's home-makers hour; 12-12:15 p. m., T. & J. Cousin's shoe style talk; 12:15-12:30, interest in study; 12:30-12:45, Lucille Buhl beauty talk; 12:45-1, interview by Hedda Comoro; 6-6:30, Olcott Vail and his Hotel McAlpin string ensemble; 6:30-7:15, Frank Farnum and his Californians; 7:15-7:30, "Investments," William H. McMahon; 8-9, Pace institute; 9:30 a. m., Mammy Simmons, Walter Benson, Helen Frances Levy, Billy Henderson, Betty McKay; 7:15, Y. M. C. A. hour; 9-10, KMTR concert hour, the Turner orchestra, direction Loren Powell; 10-11, Starr Piano company studio.

KNX, Hollywood, Calif. (366.9m-890kc), 5-5:30 p. m., Sunny Jim's talk; 5:30-6:15, Wurlitzer pipe organ studio; Town Tattler; 6:15, travel talk, W. F. Alder 6:30-7, Atwater Kent concert orchestra; 7-7:30, Mutual Motors mirth contest; 7:30-8, studio program; 9-10, program, L. W. Stockwell company; 10-11, program, Listenwalter & Gough; 11-12, Goodrich Silvertown Cord dance orchestra, Lilyan May Challenger, contralto.

KOAC, Corvallis, Ore. (280.2m-1070kc), 6:50 p. m., musical selections; 7, agricultural question box; 7:10, "Purchasing Commercial Fertilizers," R. H. Robinson; 7:30, "Methods of Starting Clover," G. R. Hyslop; 7:45-8, "Importance of Nitrogen in Agriculture," Prof. J. S. Jones.

KPO, San Francisco, Calif. (428.3m-700kc), 7, 7:30, 8 a. m., exercises; 10:30, "Ye Towne Cryer"; 1-2 p. m., Rudy Seiger's Fairmont hotel orchestra; 2:30-3:30, matinee program; 5:15-6:15, children's hour; 6:40-7, Waldemar Lind and the States restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel orchestra; 10-11, Jack Coakley's Cabirians.

KTAB, Oakland, Calif. (240m-1250kc), 9-9:30 a. m., prayer service, Rev. E. L. Spaulding; 12-1 p. m., luncheon concert program; 4-5, women's club notes; 9, program, Western States Life Insurance company.

KWSC, Pullman, Wash. (348.6m-860kc), 7:30-9 p. m., William Hanson, cornetist; Margaret Ness, vocalist; Amanda Just, pianist; "The Value of Self-Control," Dr. F. F. Nalder; "Hone, tthe Food Par-Excellence," B. A. Slocum; Dale Whitenack, reader.

Tuesday, January 26

Headliners Today

Eastern	Central	Mountain	Pacific
8:15 p. m.	7:15 p. m.	6:15 p. m.	5:15 p. m.

WIP (508.2m-590kc) Wagner quartet.

8:30	7:30	6:30	5:30

KDKA (309.1m-970kc) Sacred songs.
WEAF (491.5m-610kc), WEEI, WFI, WGR, WWJ, WSAI, WOC, WJAR, KSD, WCCO, WTAG, WGN, WEAR, WCAE, Gold Dust Twins.

9	8	7	6

WLW (422.3m-710kc) Old-time review.

9:45	8:45	7:45	6:45

WAMD (243.8m-1230kc) "Sun-Up," three-act play.

10	9	8	7

WOC (483.6m-620kc) Crescent orchestra.

12 m.	11	10	9

KGO (361.2m-830kc) Eveready hour.
KNX (336.9m-890kc) Glassmobile minstrels.

1:30 a. m.	12:30 a. m.	11:30	10:30

WJJD (370.2m-810kc) Settin'-up hour.

Tuesday, silent night for: CFCA, CHIC, CKNC, CKY, CNRC, CNRE, CNRM, CNRO, CNRW, CNRT, KFKX, KFKU, KFMQ, KFUO, KFWA, KOA, KOAC, KOB, KUOM, KWSC, PWX, WAHG, WAMD, WBBR, WCAD, WCAP, WEBW, WGCP, WGST, WHAD, WHAZ, WJAD, WJAZ, WKAF, WKAQ, WLWL, WOI, WRVA, WSM, WSUI, WTAM, WTIC.

Eastern Time Stations

6KW, Twinucu, Cuba (338m-890kc), 10-11 p. m., American dance music.

CNRA, Moncton, Can. (291.1m-1030kc), 6:30 p. m., bedtime story, Aunt Ida; 7, juvenile program, Prof. C. M. Wright, director; 8, CNRA orchestra; 9, St. Mary's band; Ernest Till, tenor; 10, international program.

KDKA, Pittsburgh, Pa. (309.1m-970kc), 7:15-8 a. m., morning exercises, O. Shannon, director; 10, domestic

Index to Farmers' Programs

Farmer Dinner Concerts

Daily Except Sunday

CENTRAL TIME

KFNF, 12:15-1:35 p. m.
KMA, 12:30-1:30 p. m.
KSO, 12:30-1:30 p. m.
WLS, 12 noon.

Saturday, January 23

Eastern	Central	Mountain	Pacific
1:45 p. m.	12:45 p. m.	11:45 a. m.	10:45 a. m.

WOI (270m-1110kc) Soils, questions and answers.

8	7	6	5

KDKA (309.1m-970kc) Farm program.

Sunday, January 24

Eastern	Central	Mountain	Pacific
3:30 p. m.	2:30 p. m.	1:30 p. m.	12:30 p. m.

WFAA (475.9m-630kc) Sunday hour for farmers.

Monday, January 25

Eastern	Central	Mountain	Pacific
1:15 p. m.	12:15 p. m.	11:15 a. m.	10:15 a. m.

WOC (483.6m-620kc), Hog day.

1:35	12:35	11:35	10:35

KSAC (340.7m-880kc) Some Suggestions for the New Year. Sweet Clover for Summer Pasture.

1:45	12:45	11:45	10:45

WOI (270m-1110kc) Dairy Production.
WMAQ (447.5m-670kc) Radio farm school.

2	1	12 n.	11

KFKX (288.3m-1040kc) Hog Day.

7	6	5	4

WGY (379.5m-790kc) Agricultural program.

7:15	6:15	5:15	4:15

WKAR (285.5m-1050kc) Farm school.

7:45	6:45	5:45	4:45

WSOE (246m-1220kc) Hog Raising.

8:30	7:30	6:30	5:30

KFMQ (299.8m-1000kc) Farmers' night.
WMC (499.7m600kc) Talk.
WOI (270m-1110kc) The Care of the Automobile in Cold Weather.

9:05	8:05	7:05	6:05

KFAB (340.7m880kc) Agricultural talks.

9:30	8:30	7:30	6:30

KOB (348.6m-860kc) Irrigation. Seed Centers.

10	9	8	7

KOAC (280.2m-1070kc) Agricultural question box. Purchasing Commercial Fertilizers.

10:30	9:30	8:30	7:30

KOAC (280.2m-1070kc) Methods of Starting Clover. Importance of Nitrogen in Agriculture.

11:30	10:30	9:30	8:30

KWSC (348.6m-860kc) Honey, the Food Par-Excellence.

Tuesday, January 26

Eastern	Central	Mountain	Pacific
11:30 a. m.	10:30 a. m.	9:30 a. m.	8:30 a. m.

KFAB (340.7m-880kc) Poultry talks.

1:15 p. m.	12:15 p. m.	11:15	10:15

WOC (428.3m-620kc) A Successful Fruit and Poultry Farm.

1:35	12:35	11:35	10:35

KSAC (340.7m-880kc) Ordering Nursery Stock. Sow and Litter clubs.

1:45	12:45	11:45	10:45

WMAQ (477.5m-670kc) Radio farm school.
WOI (270m1110kc) Animal Husbandry, questions and answers.

2	1	12 n.	11

KFKX (288.3m-1040kc A Successful Fruit and Poultry Farm.

8	7	6 p. m.	5 p. m.

KSAC (340.7m880kc) Pasture Crops for Hogs. Jersey and Guernsey Cattle in Kansas.

7:15	6:15	5:15	4:15

WKAR (285.5m-1050kc) Animal Husbandry, Veterinary Medicine Course.

8	7	6	5

WOC (483.6m-620kc) Feeding Plans Which Will Make the Dairy Cow Pay a Profit.

Wednesday, January 27

Eastern	Central	Mountain	Pacific
1:15 p. m.	12:15 p. m.	11:15 a. m.	10:15 a. m.

WOC (483.6m-620kc) Dairy Day.

1:35	12:35	11:35	10:35

KSAC (340.7m-880kc) A Survey of the Present Grain Market; Tile Drainage.

1:45	12:45	11:45	10:45

WMAQ (447.5m-670kc) Radio farm school.
WOI (270m-1110kc) Poultry husbandry.

2	1	12 n.	11

KFKX (288.3m-1040kc), Dairy day.

7:15	6:15	5:15 p. m.	4:15 p. m.

WKAR (285.5m-1050kc) Horticulture course.

9:05	8:05	7:05	6:05

KFAB (340.7m-880kc) Agricultural talks.

Thursday, January 28

Eastern	Central	Mountain	Pacific
1:15 p. m.	12:15 p. m.	11:15 a. m.	10:15 a. m.

WOC (483.6m-620kc) Alfalfa—Seeding Time and Now.

1:35	12:35	11:35	10:35

KSAC (340.7m-880kc) Poison Ammunition for Jack Rabbits. Planning a Cropping System.

1:45	12:45	11:45	10:45

WMAQ (447.5m-670kc) Radio farm school.
WOI (270m-1110kc) Farm crops.

2	1	12 n.	11

KFKX (288.3m-1040kc) Alfalfa—Seeding Time and Now.

7:15	6:15	5:15 p. m.	4:15 p. m.

WKAR (285.5m-1050kc) Dairy Husbandry course.

8:30	7:30	6:30	5:30

WOI (270m-1110kc) What Shall I Grow in 1926?

9:30	8:30	7:30	6:30

KOA (322.4m-930kc) Farm question box.

Friday, January 29

Eastern	Central	Mountain	Pacific
1:15 p. m.	12:15 p. m.	11:15 a. m.	10:15 a. m.

WOC (483.6m-620kc) Special farm service day.

1:35	12:35	11:35	10:35

KSAC (340.7m-880kc) Winter Quarters for Hogs. Self Feeders for Hogs.

1:45	12:45	11:45	10:45

WOI (270m-1110kc) Agricultural Economics.

2	1	12 n.	11

KFKX (288.3m-1040kc) Special Farm Service day.
WMAQ (447.5m-670kc) Radio farm school.

7:15	6:15	5:15 p. m.	4:15 p. m.

WKAR (285.5m-1050kc) Farm Crops course.

Markets and Weather

Daily Except Sunday

Eastern	Central	Mountain	Pacific
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.

WFAA (475.9m-630kc) Markets.
WOAW (526m-570kc) Markets.

9:45	8:45	7:45	6:45

KDKA (309.1m-970kc) Livestock, grain.

10	9	8	7

WLS (344.6m-870kc) Livestock, markets, fruit.
WOS (440.9m-680kc) Hogs.

10:30	9:30	8:30	7:30

KFKX (288.3m-1040kc) Livestock, fruit, vegetables, hogs.
KTCL (305.9m-980kc) Weather, sheep, quotations.
WFAA (475.9m-630kc) Markets.
WOI (270m-1110kc) Weather.

10:45	9:45	8:45	7:45

WCCO (416.4m-720kc) Markets.
WMC (499.7m-600kc) Weather, markets.

11	10	9	8

WBAP (475.9m-630kc) Markets, quotations.
WOS (440.9m-680kc) Weather, hogs.

11:15	10:15	9:15	8:15

WTAG (268m-1120kc) Markets, weather.

11:30	10:30	9:30	8:30

KFKX (288.3m-1040kc) Weather; fruit, vegetables.
WCCO (416.4m-720kc) Markets.
WEAR (389.4m-770kc) Markets, weather.

11:45	10:45	9:45	8:45

WAAW (384.4m-780kc) Livestock, butter, eggs.

12 n.	11	10	9

KDKA (309.1m-970kc) Weather, livestock, grain.
WBAP (475.9m-630kc) Weather, cattle, grain.
WEAR (389.4m-770kc) Markets, weather.
WHAD (275m-1090kc) Weather, markets.
WLS (344.6m-870kc) Poultry, dairy, hogs, sheep.
WOS (440.9m-680kc) Livestock, poultry, eggs, grain.

12:30 p. m.	11:30	10:30	9:30

KFKX (288.3m-1040kc) Livestock, fruit, vegetables, dairy.
WEAR (384.4m-780kc) Markets, weather.
WFAA (475.9m-630kc) Markets.

1	12 n.	11	10

WBAP (475.9m-630kc) Markets.
WHT (238m-1260kc) Fruit, weather.
WOS (440.9m680kc) Livestock, weather.

1:05	12:05 p. m.	11:05	10:05

KMA (252m-1190kc) Markets and weather.

1:30	12:30	11:30	10:30

KTHS (374.8m-800kc) Markets, weather.
WFAA (475.9m-630kc) Markets.
WOAW (526m-570kc) Markets.
WOI (270m-1110kc) Weather, livestock.

1:35	12:35	11:35	10:35

KPO (428.3m-700kc) Butter, eggs, cheese, poultry.

1:45	12:45	11:45	10:45

KOA (322.4m-930kc) Weather, roads, livestock, poultry.

2	1	12 n.	11

WOC (483.6m-620kc) Weather, grain, livestock, dairy.
WOS (440.9m-680kc) Grain.

2:15	1:15	12:15 p. m.	11:15

WAAW (384.4m-780kc) Grain markets.

2:30	1:30	12:30	11:30

WCCO (416.4m-720kc) Markets, weather.
WFAA (475.9m-630kc) Markets.

3	2	1	12 n.

WLS (344.6m-870kc) Livestock, grain, dairy, fruit, vegetables.
WOS (440.9m-680kc) Livestock, markets, grain.

3:30	2:30	1:30	12:30 p. m.

WFAA (475.9m-630kc) Markets.
WMC (499.7m-600kc) Markets, weather.

3:50	2:50	1:50	12:50

WWJ (352.7m-850kc) Weather, markets.

4	3	2	1

KFKX (288.3m-1040kc) Livestock, wool.
WCCO (416.4m-720kc) Markets.
WCX (516m-580kc) Stocks and grain.

4:30	3:30	2:30	1:30

WEAR (389.4m-770kc) Markets, weather.
WFAA (475.9m-630kc) Markets.

5:50	4:50	3:50	2:50

WDAF (365.6m-820kc) Markets, weather, road reports.
WHAS (399.8m-750kc) Markets.

6:30	5:30	4:30	3:30

KSAC (340.7m-880kc) Markets.

6:45	5:45	4:45	3:45

WIP (508.2m-590kc) Livestock, markets.

6:50	5:50	4:50	3:50

WHAD (275m-1090kc) Markets.

7:30	6:30	5:30	4:30

KMA (252m-1190kc) Markets and weather.
KSAC (340.7m-880kc) Market review.

7:45	6:45	5:45	4:45

KFWA (261m-1150kc) Market reports.

8	7	6	5

KFKX (288.3m-1040kc) Markets.
KOA (322.4m-930kc) Sheep, markets, livestock, poultry.

9	8	7	6

WAAW (384.4m-780kc) Marketgrams and talks.

11	10	9	8

WCCO (416.4m-720kc) Weather, grain.

U. S

Saturday, Ja

Eastern	Central	
7:30 p. m.	6:30 p. m.	5
WFAA.		
8	7	
WAMD, WLS.		
9	8	
WBBM, WEAF, WENR, WNYC.		
10	9	
KFAB, KPRC, WBBM, WMBB, WREO.		
11	10	
KFVE KFWB, KNX, K WOK, WQJ, WRC.		
12	11	
KNX KOIL, KPO, KPRC, WOK, WQJ.		
1 a. m.	12 m.	
KFWB, WDAF, WBBM, WQJ, WSAI.		
2	1 a. m.	
KNX, WBBM, WENR, W		

Sunday, Ja

Eastern	Central
9 p. m.	8 p. m.
WBBM.	
10	9
WAMD, WBBM, WMBB.	
12	11
KNX, KTHS.	
1 a. m.	12 m.
KFWB, WBBM.	
2	1 a. m.
KFWB.	

Monday, Ja

Eastern	Central
7 p. m.	6 p. m.
WBBM, WFAA, WOAW.	
8	7
WGBS.	
9	8
WCAU, WEAF, WGR, W	
10	9
KFAB, WGB, WKRC, WSOE.	
12 m.	11
KLX, KNX, KOIL, WA	
1 a. m.	12 m.
KFWB, KLX, WAHG, WOK.	
2 a. m.	1 a. m.
KFWB.	

Tuesday, Ja

Eastern	Central
7 p. m.	6 p. m.
WMCA, WOAW.	
8	7
WBBM, WEAR.	
9	8
WBBM, WEAR, WBZ, W	

Monday, Ja

Douglas Freeman; 9:10, m orchestra.

WRC, Washington, D. C. (women's hour, WJZ; 12 n., Kitt studios; 1 p. m., Shore ney Seideman, director; 4:30,

WREO, Lansing, Mich. (285.5m- dinner concert, Speed Wagon serena Standard ensemble; miscellaneous bulleti

WTAG, Worcester, Mass. (268m-500kc), musical selections; 10:45, talk, Marjori 12:05-2 p. m., noonday luncheon m orchestra, Will Hardy, director; 7, scien D. Aldrich, Worcester academy; 7: Scouts; 7:45, Scout announcements, Jose 8, W. C. Monahan, "Pedigree Bree Robin Hood hour of music, Arthur Cros 10-11, grand opera, WEAF.

WTIC, Hartford, Conn. (475.9m-630kc), "Citizenship," Prof. Sigmund Adler; 11:25, music; 11:30, talk for housewives, Dean; 12:05 p. m., music; 6:30, Mother dinner music; 9, popular period; 9:30, 10:30, long distance program.

WWJ, Detroit, Mich. (352.7m-850kc), 7 setting-up exercises, R. J. Horton; 9: dinner; 10:45, Betty Crocker home servic p. m., Jules Klein's Hotel Statler orch troit News orchestra; 6, dinner concert; chestra, soloists; A. and P. Gypsies.

Central Time Stations

CKY, Winnipeg, Can. (384.4m-780kc), 8 versity lecture; 9, studio program; 11, Metropolitan theater.

KFAB, Lincoln, Nebr. (340.7m-880kc), 8:3 coln Hi quartet; Ed Ellingson, origi Mike Kopec, pianist; Cow Bell boys, vi tar; Belshaw's orchestra; Gloomy Gus; e

KFKX, Hastings, Nebr. (288.3m-1040kc) Farm school paper. "Hog Day," J. M. dinner concert, KDKA; 9, musical pro

KFKU, Lawrence, Kan. (275m-1090kc), 7 Race of the Steel Rails Across the the Golden Spike," Prof. Frank A. I music, School of Fine Arts; Eugene C Taymond Lawrenson, pianist; 7:40, sp box, John W. Bunn; 7:55, campus news.

KFMQ, Fayetteville, Ark. (299.8m-1000kc), farm filosofy, Cy Adams; "Prepare for Pasture," J. H. Gayer; "Cotton Disea Rosen; "Adapting the Spring Clothing Individual Needs," Mrs. Beele H. "County Organizations," Ellis Posey; Buying and Home Mixing of Fertil Butler.

KFNF, Shenandoah, Iowa (266m-1130kc), 1 p. m., mothers' hour; 7, concert, Henry Field Se company.

KFUO, St. Louis, Mo. (545.1m-550kc), 8 p. m., "The Young People and Their Church," Prof. Walter A. Maier.

KFVE, University City, Mo. (240m-1250kc), 9:15 p. m., woman's hour, Woman's National exposition; talks for amateur Radio enthusiasts, T. B. Gibbs; Orchestra Romaine; organ moments, Dave George.

KMA, Shenandoah, Iowa (252m-1190kc), 11:30-12:30 p. m., noonday rural program; talk, Earl E. May; travelog, G. H. Van Houten; musical saw, J. A. Showers; music; news; 6-7, Pollyana stories, Mrs. Nickols; news; music; 9, Farnham trio; How-Do-You-Do boys.

KMMJ, Clay Center, Nebr. (299m-1310kc), 1:30 p. m., factory and office program; 7:30, Old Trusty orchestra.

KPRC, Houston, Texas (286.9m-1010kc), 12 noon, Frank Tilton, boy pianist; 5:30, p. m., Uncle Judd's Kiddies' hour; 7:30, Records' Ramblers, dance music, 8:30, Mrs. Clarence L. Brock, steel guitar and mandolin specialties; 9, Mr. and Mrs. Hu T. Huffmaster, baritone and dramatic soprano.

West; 1:30, music.

WEBH, Chicago, Ill. (370.2m-810kc), 11:30-12 m., woman's half hour; 3-4 p. m., special features.

WFAA, Dallas, Texas (475.9m-630kc), 12:30-1 p. m., DeWitt McMurray; E. F. Roettcher, tenor; Viola Cassidy, pianist; 4:30-5, Cyrus Barcus, cornetist; 6:30-7:30, Artie Collins and his orchestra; 8:30-9:30, Sears-Roebuck agricultural foundation program.

WGES, Oak Park, Ill. (250m-1200kc), 5-7 p. m., Coyne serenaders, organ, basso, pianist.

WGN, Chicago, Ill. (302.8m-990kc), 11-11:30 a. m., household hints; 11:30-12 m., fashion discussion; 12:40-2:30 p. m., luncheon concert, Drake concert ensemble and Blackstone string quintet; 2:30-3, Lyon & Healy artists; 3-3:25, public service period; 3:25-3:30, Port o' missing men; 3:30-4:15, tea time music, Marshall Field tea room orchestra; 4:30-5, organ recital, Edward Benedict, Kimball hall; 5:30-5:57, Skeezix time, 6:30-7, dinner concert, Drake concert ensemble and Blackstone string quintet.

management, Aunt Jane; 5:45-6, chimes.

WOI, Ames, Iowa (270m-1110kc), 12:30 p. m., college chimes; 12:45, Prof. Earl Weaver, discussion relating to dairy production; 7:30, automobile short course, Prof. A. Shane, "The Care of the Automobile in Cold Weather"; 7:50, program.

WOS, Jefferson City, Mo. (440.9m-680kc), 8 p. m., "The Crimson Trail of a New Idea," Samuel M. Jordan; program, Christian college.

WQJ, Chicago, Ill. (447.5m-670kc), 11-12 m., home economics program; 3-4 p. m., "Food Terms and Names You Do Not Know," Helen H. Downing; book review, Rev. Fred J. Harrison.

WRR, Dallas, Texas (246m-500kc), 12-1 p. m., Hartwell Jones, piano, ukulele soloist; Bill Davidson, singer; 5:15, bedtime story; 6-7, dinner hour concert, Jack Gardner's orchestra; 8-9, Magnolia Petroleum company orchestra; 11-12, novelty program, Virgil Whitworth, xylophone and theatrical talent.

WSAI, Cincinnati, Ohio (325.9m-920kc), 11-12 midnight,

training exercises, Hugh Barrett Dobbs; 8:30, daily strength; 3-4 p. m., interpretation of classics, Wilda Wilson Church; Elore Greely and Edith Ohler, pianists, Letitia Anna Miller studios; Catherine Connolly, cellist; 5:30-6, Aunt Betty stories, Ruth Thompson; 6-6:55, dinner concert, Knickerbocker trio; 6:55, news items; 9, educational program; "Chats About New Books"; "Better English," Wilda Wilson Church; "A Day in a Psychologist's Office," Dr. Albertine Richards Nash; "Achieving a University Education by Correspondence," Dr. George S. Smithson.

KGW, Portland, Ore. (491.5m-610kc), 7:15 a. m., Y. M. C. A. physical culture exercises; 10:30-11:30, town crier; music; news items; shopping guide; 12:30-1:30 p. m., concert, Oregon Radio Trades association; 6-7, dinner concert, Olds, Wortman and King company; 7:30-7:45, news items and sporting results; 9-10, concert, Willys-Overland Pacific company.

KMTR, Hollywood, Calif. (238m-1260kc), 5-6 p. m.,

U. S. STATIONS TO GREET EUROPEANS WITH TALKS IN MANY LANGUAGES

Index to Popular Concerts

Saturday, January 23

Eastern Central Mountain Pacific
7:30 p. m. 6:30 p. m. 5:30 p. m. 4:30 p. m.
WFAA.
8 7 6 5
WAMD, WLS.
9 8 7 6
WBBM, WEAF, WENR, WGBS, WLS, WMAQ, WNYC.
10 9 8 7
KFAB, KPRC, WBBM, WENR, WGN, WLS, WMBB, WREO.
11 10 9 8
KFVE, KFWB, KNX, KTHS, WBBM, WMBB, WOK, WQJ, WRC.
12 11 10 9
KNX, KOIL, KPO, KPRC, WBBM, WLS, WOAW, WOK, WQJ.
1 a. m. 12 m. 11 10
KFWB, WDAF, WBBM, WEBH, WENR, WOK, WQJ, WSAI.
2 1 a. m. 12 m. 11
KNX, WBBM, WENR, WQJ.

Sunday, January 24

Eastern Central Mountain Pacific
9 p. m. 8 p. m. 7 p. m. 6 p. m.
WBBM.
10 9 8 7
WAMD, WBBM, WMBB.
12 11 10 9
KNX, KTHS.
1 a. m. 12 m. 11 p. m. 10
KFWB, WBBM.
2 1 a. m. 12 m. 11
KFWB.

Monday, January 25

Eastern Central Mountain Pacific
7 p. m. 6 p. m. 5 p. m. 4 p. m.
WBBM, WFAA, WOAW.
8 7 6 5
WGBS.
9 8 7 6
WCAU, WEAF, WGR, WKRC, WOK.
10 9 8 7
KFAB, WGR, WKRC, WMCA, WOAW, WOK, WSOE.
12 m. 11 10 9
KLX, KNX, KOIL, WAMD, WHO, WOK.
1 a. m. 12 m. 11 10
KFWB, KLX, WAHG, WDAF, WHT, WKRC, WOK.
2 a. m. 1 a. m. 12 m. 11
KFWB.

Tuesday, January 26

Eastern Central Mountain Pacific
7 p. m. 6 p. m. 5 p. m. 4 p. m.
WMCA, WOAW.
8 7 6 5
WBBM, WEAR.
9 8 7 6
WBBM, WEAR, WBZ, WSB.

Eastern Central Mountain Pacific
10 p. m. 9 p. m. 8 p. m. 7 p. m.
WBBM, WMBB, WOAW.
12 m. 11 10 9
KNX, KOIL, KPO, WAMD, WBBM, WFAA, WKRC, WMC, WOK, WQJ.
1 a. m. 12 m. 11 10
KFWB, KNX, WFAA, WHT, WOAW, WOK, WQJ.
2 1 12 m. 11
KFWB, WQJ.

Wednesday, January 27

Eastern Central Mountain Pacific
8 p. m. 7 p. m. 6 p. m. 5 p. m.
KFNF, WAHG, WEBJ, WEEI, WMCA.
9 8 7 6
WBBM, WEBJ, WGCP, WNYC.
10 9 8 7
KFAB, KPRC, WBBM, WGCP, WHO, WMBB.
12 m. 11 10 9
KFWA, KFWB, KNX, KYW, WAMD, WOK, WQJ, WSAI.
1 a. m. 12 m. 11 10
KNX, KYW, WBBM, WHT, WOK, WQJ.
2 1 a. m. 12 m. 11
KFWB, KNX, WBBM, WOK, WQJ.

Thursday, January 28

Eastern Central Mountain Pacific
8 p. m. 7 p. m. 6 p. m. 5 p. m.
WCAE, WEAF, WJAR, WMC, WOC, WSAI.
9 8 7 6
WBBM, WHAD.
10 9 8 7
KMA, WBBM, WEEI, WHAD, WHN, WMBB, WMC, WNYC, WOAW, WSOE.
12 m. 11 10 9
KHJ, KTAB, KOIL, WBBM, WDAF, WEAA, WKRC, WOC, WOK, WQJ.
1 a. m. 12 m. 11 10
KFWB, KHJ, WHT, WOK, WQJ.
2 1 a. m. 12.m. 11
KNX, WQJ.

Friday, January 29

Eastern Central Mountain Pacific
8 p. m. 7 p. m. 6 p. m. 5 p. m.
WGCP, WJR.
9 8 7 6
WAMD, WBBM, WGR, WLS.
10 9 8 7
KFAB, WBBM, WMC, WDAF, WHAD, WMBB, WOAW, WSOE.
12 m. 11 10 9
KFWB, KHJ, KNX, KOIL, WAMD, WMC, WOK, WQJ.
1 a. m. 12 m. 11 10
KFWB, KHJ, WDAF, WHT, WOK, WQJ.
2 1 a. m. 12 m. 11
KNX, WQJ.

Monday, January 25

Douglas Freeman; 9:10, mixed quartet; 10, string orchestra.

WRC, Washington, D. C. (469m-640kc), 10 a. m., women's hour, WJZ; 12 n., organ recital, Homer L. Kitt studio; 1 p. m., Shoreham hotel orchestra, Sidney Seidenman, director; 1:30, musical program.

WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., dinner concert, Speed Wagon serenaders and Gold Standard ensemble, miscellaneous bulletins.

WTAG, Worcester, Mass. (268m-500kc), 10:30 a. m., musical selections; 10:45, talk, Marjorie Woodman; 12:05-2 p. m., noonday luncheon music, WTAG orchestra, Will Hardy, director; 7, science talk, Fred D. Aldrich, Worcester academy; 7:15, Twilight Scouts; 7:45, Scout announcements, Joseph Wadleigh; 8, W. C. Monahan, "Pedigree Breeding"; 9-10, Robin Hood hour of music, Arthur Crosble, director; 10-11, grand opera, WEAF.

WTIC, Hartford, Conn. (475.9m-630kc), 11 a. m., "Citizenship," Prof. Sigmund Adler; 11:15, talk; 11:25, music; 11:30, talk for housewives, Mrs. J. M. Dean; 12:05 p. m., music; 6:30, Mother Goose; 6:50, dinner music; 9, popular period; 9:30, dance music; 10:30, long distance program.

WWJ, Detroit, Mich. (352.7m-850kc), 7:30-8 a. m., setting-up exercises, R. J. Horton; 9:30, tonight's dinner; 10:15, Betty Crocker home service talk; 12:05 p. m., Jules Klein's Hotel Statler orchestra; 3, Detroit News orchestra; 6, dinner concert; 8, News orchestra, soloists, A. and P. Gypsies.

Central Time Stations

CKY, Winnipeg, Can. (384.4m-780kc), 8 p. m., university lecture; 9, studio program; 11, weekly revue, Metropolitan theater.

KFAB, Lincoln, Nebr. (340.7m-880kc), 8:30 p. m., Lincoln Hi quartet; 150 Lillingson, original songbird, Mike Kopec, pianist, Cow Bell boys, violin and guitar, Belshaw's orchestra; Gloomy Gus, entertainer.

KFKX, Hastings, Nebr. (288.3m-1040kc), 1 p. m., Farm school paper, "Hog Day," J. M. Lavard; 5:30, dinner concert, KDKA; 9, musical program, artists.

KFKU, Lawrence, Kan. (275m-1090kc), 7 p. m., "The Race of the Steel Rails Across the Continent and the Golden Spike," Prof. Frank A. Russell; 7:15, music, School of Fine Art, Eugene Christy, tenor, Townsend Lawrenson, pianist; 7:30, sports question box, John W. Bunn; 7:55, campus news.

KFMQ, Fayetteville, Ark. (299.8m-1000kc), 7:30 p. m., farm filosofy, Cy Adams; "Prepare for a Permanent Pasture," J. H. Gaver, "Cotton Diseases," H. R. Rosen; "Adapting the Spring Clothing Budget to the Individual Need," Mrs. Berle H. H. Robinson; "County Organizations," Ells Posey; "Cooperative Buying and Home Mixing of Fertilizer," Byron Butler.

KFNF, Shenandoah, Iowa (266m-1130kc), 1:30-2:30 p. m., mothers' hour; 7, concert, Henry Field Seed company.

KFUO, St. Louis, Mo. (545.1m-550kc), 8 p. m., "The Young People and Their Church," Prof. Walter A. Maier.

KFVE, University City, Mo. (240m-1250kc), 9:15 p. m., woman's hour, Woman's National exposition; talks for amateur Radio enthusiasts, T. B. Gibbs; Orchestra Romance; organ moments, Dave George.

KMA, Shenandoah, Iowa (252m-1190kc), 11:30-12:30 p. m., noonday rural program, talk, Earl E. May; travelog, G. H. Van Houten; musical saw, J. A. Shriver; music; news; 6-7, Pollyanna stories, Mrs. Nicholas; news; music; 9, Farnham trio; How-Do-You-Do boys.

KMMJ, Clay Center, Nebr. (229m-1310kc), 1:30 p. m., family and office program; 7:30, Old Trusty orchestra.

KPRC, Houston, Texas (286.9m-1010kc), 12 noon, Frank Tilton, boy pianist; 7:30 p. m., Uncle Judd's Kiddies' hour; 7:30, Recorders' Ramblers, dance music; 8:30, Mrs. Clarence L. Brock, steel guitar and mandolin specialties; 9, Mr. and Mrs. Hu T. Huffmaster, baritone and dramatic soprano.

KSAC, Manhattan, Kans. (340.7m-880kc), 9-9:25 a. m., music, inspirational talks, agricultural primer, calisthenics; 9:55-10:25, readings, backyard gossip, question box; planning today's meals; 12:35-1:05 p. m., readings, question box; "Some Suggestions for the New Year," G. W. Salisbury; "Sweet Clover for Summer Pasture," J. W. Linn; 4:30-5, Third Year English literature, high school credit; 6:30-7:30, market review; book review, current events; sociology, extension credit course; "Some Facts to Look for in Reading Your Market," R. M. Green; "Sorghums as Feed for Dairy Cows," J. B. Fitch.

KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., Fur hour; recital, Joseph Huber, cornetist; 7:30, program, Tieman family orchestra; 9, artist concert, David F. Earle, pianist.

KTHS, Hot Springs National Park, Ark. (374.8m-750kc), 12:30-1 p. m., orchestra; 9-9:15, opera hits, New Arlington hotel orchestra; 9:15-10, organ concert, Lawson Reid; 11-12, Rainbow Garden; frolic from Little Rock.

KYW, Chicago, Ill. (535.4m-560kc), 6:30-7 a. m., morning exercises, Paul A. Leonhardt; 7:30, morning family worship, Y. M. C. A.; 11:15, talk, John C. Cutting, 11:35, table talk, Mrs. Anna J. Peterson, Peoples Gas company; 12:05 p. m., concert; 1, luncheon concert, Congress hotel; 6, dinner musical, KDKA, 7:05, bedtime story, Walter Wilson.

WAMD, Minneapolis, Minn. (244m-1230kc), 12 m., Collia Dare, contralto; Roy Nowack, banjoist; Jack Leeman, clarinetist; Bee Lowell, accompanist; Chuck Johnson, uke soloist; Grace Norman, soprano; 7:01 p. m., Garrick theater symphony orchestra, Fred Helseke; 7:20, classical program; Edna Weese, soprano, Isabelle Olson, violinist; Lila Logan, accompanist; Charles Sandberg, baritone; Grace Hawley, accompanist; 9, Scotch program; 11, Skyrocket frolic, George Osborn's Hotel Radisson Skyrockets.

WBBM, Chicago, Ill. (226m-1330kc), 1-6 p. m., Valentino Inn orchestra, artists; 6-7, Harold Anderson, piano-accordionist; WBBM string trio artists.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 10:45 a. m., home service talk, "Substantial Soups," Betty Crocker; 12, Donaldson's orchestra; 2, woman's hour; 2:30, afternoon concert; 4, readers' club, Mrs. Walter Stevens; 5:30, children's hour; 6, "Windup to New Orleans Party," Colonel Ralph Webb; 6:30, dinner concert, Gordon Cooke ensemble; Meta Ashwin Birnbach, soprano; Louise Lupien Jenkins, accompanist; 8, University of Minnesota program; 9, classical concert.

WDAF, Kansas City, Mo. (365.6m-820kc), 10:15-11 a. m., Betty Crocker, home service talk; 6-7 p. m., Tell-Me-a-Story lady; dialect readings, C. M. Ragan music, The Trianon ensemble, Hotel Muehlebach; 8-8:30, program, Ivanhoe band, Walter A. French, director, and Ivanhoe glee club, Edward H. Gill, Jr., director, Julian Ameloing, accompanist; 11:45-1 a. m., The Plantation players, Hotel Muehlebach; selections, Ted Meyn, Pantages theater organ.

WDOD, Chattanooga, Tenn. (256m-1170kc), 6:30-7 p. m., organ music, Tivoli theater; 7-8, Hotel Patten orchestra; 8:15, special features and program.

WEAO, Columbus, Ohio (283.8m-1020kc), 1:15 p. m., timely economic information for the farmer, C. J. West; 1:30, music.

WEBH, Chicago, Ill. (370.2m-810kc), 11:30-12 m., woman's half hour; 3-4 p. m., special features.

WFAA, Dallas, Texas (475.9m-630kc), 12:30-1 p. m., DeWitt McMurray; E. F. Boettcher, tenor; Viola Cassidy, pianist; 4:30-5, Cyrus Barcus, cornetist; 6:30-7:30, Artie Collins and his orchestra; 8:30-9:30, Sears-Roebuck agricultural foundation program.

WGES, Oak Park, Ill. (250m-1200kc), 5-7 p. m., Coyne serenaders, organ, basso, pianist.

WGN, Chicago, Ill. (302.8m-990kc), 11-11:30 a. m., household hints; 11:30-12 m., fashion discussion; 12:40-2:30 p. m., luncheon concert, Drake concert ensemble and Blackstone string quintet; 2:30-3, Lyon & Healy artists; 3-3:25, public service period; 3:25-3:30, Port o' missing men; 3:30-4:15, tea time music, Marshall Field tea room orchestra; 4:30-5, organ recital, Edward Benedict, Kimball hall; 5:30-5:57, Skeezix time; 6:30-7, dinner concert, Drake concert ensemble and Blackstone string quintet.

WGST, Atlanta, Ga. (270m-1110kc), 9-10 p. m., program, James Herty Lucas, guitarist.

WHAD, Milwaukee, Wis. (275m-1090kc), 11 a. m., pianolog, Andy Hertel; 4 p. m., Trixy Ann Troy, ukulele; 6:15-7, Bill Benning's Milwaukee Athletic club orchestra; 8-10, Marquette university studio program.

WHAS, Louisville, Ky. (399.8m-750kc), 1-2 p. m., Royal Peacock orchestra; 3-3:30, Mrs. Myrtle Fulks Zahn, Jr., organist; 4-5, Music Box; editorials.

WHB, Kansas City, Mo. (365.6m-820kc), 2-3 p. m., Sweeney Radio trio; 7-8, Lola B. Lewis, popular soloist; Sweeney Radio orchestra; Milo Finley stringed quartet.

WHO, Des Moines, Iowa (526m-570kc), 7:30-9 p. m., Simpson Conservatory of Music, Dean Harvey, director; 11-12, Corn Sugar orchestra.

WHT, Chicago, Ill. (399.8m-750kc), 10 a. m., women's club program; Borden health talk; Helen Rauh, pianist; John Clark, baritone; 10:15, home service, Betty Crocker; 11, special features; 11:15, drama talks; 6 p. m., classical program; dinner organ recital, Al Carney; 6:40, Kitchen Klenzer entertainments.

WIBO, Chicago, Ill. (226m-1330kc), 10-11 a. m., shoppers' bureau, Grace Viall Gray; 2-4 p. m., Ted Florio, pianist; Dan Russo, violinist; Victor Young, violinist.

WJAD, Waco, Texas (352.7m-850kc), 8:30-10 p. m., program, Glen C. Hutton, director.

In the center are the "Two Jays" of WBBM, Chicago, Corinne Jordan and Fred Jeske, staff artists of the Stewart-Warner studios. Above is Mrs. Sue Pearce, whose classical and jazz singing is much appreciated at KWKH, Shreveport.

A voice worthy of the opera has Erwin Holbrook, baritone, who sings operatic numbers at WOC, Davenport.

WKAF, Milwaukee, Wis. (261m-1150kc), 10-11 p. m., Viola Sontag, pianist; Robert F. Hall, baritone.

WLS, Chicago, Ill. (344.6m-870kc), 12-1 p. m., WLS studio trio.

WLW, Cincinnati, Ohio (422.3m-710kc), 7:30 a. m., healthful exercises, William Stradtman; 8, morning devotions, auspices of the Parkway Y. M. C. A.; 12:05 p. m., religious service, Rev. George H. Kase, pastor; 4, children's hour, young pupils from the Cincinnati college of music; 7, dinner hour concert, Hotel Gibson orchestra, Robert Vinconti, director; 7:30, Y. M. C. A. basketball question box; 8, Times-Star program, Times-Star orchestra featuring "An Evening of Serenades," William Kopp, musical director, soloist, William Hafford.

WMAQ, Chicago, Ill. (447.5m-670kc), 12:20 p. m., Junior Association of commerce; 1, Radio farm school; 2, shut-in program; 4, mothers in council; 4:30, "Foibles of the Moment," Mrs. Graham Aldis; 4:40, Glenn Dillard Gunn school of music; 5, children's games, Glenn Adams; 5:15, Topsy Turvy time; 6, Chicago theater organ recital; 6:30, Hotel LaSalle orchestra; 6:40, Family Altar league.

WMC, Memphis, Tenn. (499.7m-600kc), 8:45 p. m., Cortese ensemble.

WNAD, Norman, Okla. (254m-1180kc), 12:30 p. m., Dorothy Patswald, soprano; Frances Brixey, pianist, 12:50, "History of Oklahoma," Dr. E. E. Dale; 7:20, "Business Fluctuations and the Forecasting of Business Conditions," A. B. Adams; 7:30, "Mental Efficiency," W. W. Phelan; 7:40, "The Women of Homer and of the Present Time," Prof. J. F. Paxton; 11, Ramblers.

WOAI, San Antonio, Texas (394.5m-760kc), 3 p. m., musical program.

WOAW, Omaha, Nebr. (526m-1000kc), 12:45 p. m., Randall's Royal Fontenelle orchestra; 6, classical; 6:15, popular song period; 6:40, insurance talk, Daniel D. Mackin; 6:50, Randall's Royal Fontenelle orchestra; 9, de luxe program.

WOC, Davenport, Iowa (483.6m-620kc), 12:15-12:25 p. m., "Hog Day," Prof. John M. Evvard; 3-3:30, home management, Aunt Jane; 5:15-6, chimes.

WOI, Ames, Iowa (270m-1110kc), 12:30 p. m., college chimes; 12:45, Prof. Earl Weaver, discussion relating to dairy production; 7:30, automobile short course, Prof. A. Shane, "The Care of the Automobile in Cold Weather"; 7:50, program.

WOS, Jefferson City, Mo. (440.9m-680kc), 8 p. m., "The Crimson Trail of a New Idea," Samuel M. Jordan; program, Christian college.

WQJ, Chicago, Ill. (447.5m-670kc), 11-12 m., home economics program; 3-4 p. m., "Food Terms and Names You Do Not Know," Helen H. Downing; book review, Rev. Fred J. Harrison.

WRR, Dallas, Texas (246m-500kc), 12-1 p. m., Hartwell Jones, piano, ukulele soloist; Bill Davidson, singer; 7:15, bedtime story; 6-7, dinner hour concert, Jack Gardner's orchestra; 8-9, Magnolia Petroleum company orchestra; 11-12, novelty program, Virgil Whitworth, xylophone and theatrical talent.

WSAI, Cincinnati, Ohio (325.9m-920kc), 11-12 midnight, Community Symphony orchestra; 12-1 a. m., Charles Dornbergers Victor Recording orchestra.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., Emory university glee club.

WSM, Nashville, Tenn. (282.8m-1060kc), 6:30 p. m., concert, Francis Craig and his orchestra; 7, WSM bedtime story; 8, glee club, Tennessee school for the blind; 11, program, Vito M. Pellettieri's orchestra.

WSOE, Milwaukee, Wis. (246m-1220kc), 2 p. m., cooking chats, Prudence Penny; 5, news and sport reports, Badger Crier; 5:30, twilight hour, Elmer Ihrke, pianist; Aunt Happy, children's stories; Candygram artists; 9, Candygram frolic, Briar Cliff orchestra; Lorraine Hug, pianist; Ina Rae, child soprano; E. R. Erving, baritone; Van Buren's Hawaiians; Venturi Callahan, "Harmonic Wizard"; other Candygram artists.

WSUI, Iowa City, Iowa (483.6m-620kc), 12:30 p. m., Esther Swisher, pianist; "Leadership Through the High School," Dr. T. J. Kirby; 4 p. m., current events, Prof. Stephen H. Bush; 8, Mrs. Preston C. Coast, organist; Methodist church quartet.

Mountain Time Stations

CFAC, Calgary, Can. (435.8m-690kc), 8-9 p. m., Jack Rushtons serenaders.

KFWA, Ogden, Utah (261m-1150kc), 4-5 p. m., organ recital, Paramount theater; 5-6, Ogden Radio Dealers' program.

KFXF, Colorado Springs, Colo. (250m-1200kc), 8:30 p. m., musical selections; 8:45-9, educational talk.

KOA, Denver, Colo. (322.4m-930kc), 12:15 p. m., Rialto theater musicale; 6:30, dinner concert, Brown Palace string orchestra, Howard Tillotson, director; 7:30, sandman's hour; 8:30, instrumental program, Colorado theater orchestra; 8:50, novelty program; 10, KOA orchestra and assisting soloists.

KOB, State College, N. M. (348.6m-860kc), 7:30-8:30 p. m., "Irrigation," A. S. Curry; "Seed Centers," G. R. Quesenberry.

Pacific Time Stations

KFI, Los Angeles, Calif. (468.5m-640kc), 5:30-6 p. m., Owen Fallon' Californians; 6, nightly doings; 6:15, KFI's Seeing California; 6:30, vest pocket program; 6:45, Radiotorial period; 7-8, Screen Artists' string quartet; Frank Stever, baritone; 8-9, Packard Eight dance orchestra; 9-10, program, Walter M. Murphy Motors company; KPO, San Francisco; 10-11 program, Meiklejohn Brothers.

KFOA, Seattle, Wash. (453.3m-660kc), 6:45-8:15 p. m., Sherman, Clay and company program.

KFON, Long Beach, Calif. (233m-1290kc), 4:30-5 p. m., amusement bulletin; 6-6:30, organ, Brayton's theater; 8-9, Community Sing and program of the Sciots, directed by James H. Harvey; 9-10, Ardys Anderson musical hour.

KFWB, Hollywood, Calif. (252m-1190kc), 5-6 p. m., children's hour, Big Brother of KFWB; 7:30, microphone brevities; 9-10, program, Star Motor Car company; Sol Hoopii's Hawaiians, Million Dollar Four orchestra, Esther White, blues singer; 10-11, Warner Brothers frolic, direction Charlie Wellman.

KGO, Oakland, Calif. (361.2m-830kc), 7:15-7:30 a. m., health training exercises, Hugh Barrett Dobbs; 7:45, "Pep Class," Hugh Barrett Dobbs; 8:15-8:30, health training exercises, Hugh Barrett Dobbs; 8:30, daily strength; 3-4 p. m., interpretation of classics, Wilda Wilson Church; Elore Greely and Edith Ohler, pianists, Letitia Anna Miller studios; Catherine Connolly, cellist; 5:30-6, Aunt Betty stories, Ruth Thompson; 6-6:55, dinner concert, Knickerbocker trio; 6:55, news items; 9, educational program; "Chats About New Books"; "Better English," Wilda Wilson Church; "A Day in a Psychologist's Office," Dr. Albertine Richards Nash; "Achieving a University Education by Correspondence," Dr. George S. Smithson.

KGW, Portland, Ore. (491.5m-610kc), 7:15 a. m., Y. M. C. A. physical culture exercises; 10:30-11:30, town crier; music; news items; shopping guide; 12:30-1:30 p. m., concert, Oregon Radio Trades association; 6-7, dinner concert, Olds, Wortman and King company; 7:30-7:45, news items and sporting results; 9-10, concert, Willys-Overland Pacific company.

KMTR, Hollywood, Calif. (238m-1260kc), 5-6 p. m., home hour, Mammy Simmons, Walter Benson, Helen Frances Levy, Billy Henderson, Betty McKay; 7:15, Y. M. C. A. hour; 9-10, KMTR concert hour, the Turner orchestra, direction Loren Powell; 10-11, Starr Piano company studio.

KNX, Hollywood, Calif. (366.9m-890kc), 5-5:30 p. m., Sunny Jim's talk; 5:30-6:15, Wurlitzer pipe organ studio; Town Tattler; 6:15, travel talk, W. F. Alder 6:30-7, Atwater Kent concert orchestra; 7-7:30, Mutual Motors mirth contest; 7:30-8, studio program; 9-10, program, L. W. Stockwell company; 10-11, program, Listenwalter & Gough; 11-12, Goodrich Silvertown Cord dance orchestra, Lilyan May Challenger, contralto.

KOAC, Corvallis, Ore. (280.2m-1070kc), 6:50 p. m., musical selections; 7, agricultural question box; 7:10 "Purchasing Commercial Fertilizers," R. H. Robinson; 7:30, "Methods of Starting Clover," G. R. Hyslop; 7:45-8, "Importance of Nitrogen in Agriculture," Prof. J. S. Jones.

KPO, San Francisco, Calif. (428.3m-700kc), 7, 7:30, 8 a. m., exercises; 10:30, "Ye Towne Cryer"; 1-2 p. m., Rudy Seiger's Fairmont hotel orchestra; 2:30-3:30, matinee program; 5:15-6:15, children's hour; 6:40-7, Waldemar Lind and the States restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel orchestra; 10-11, Jack Coakley's Cabirians.

KTAB, Oakland, Calif. (240m-1250kc), 9-9:30 a. m., prayer service, Rev. E. L. Spaulding; 12-1 p. m., luncheon concert program; 4-5, women's club notes; 9, program, Western States Life Insurance company.

KWSC, Pullman, Wash. (348.6m-860kc), 7:30-9 p. m., William Hanson, cornetist; Margaret Ness, vocalist; Amanda Just, pianist; "The Value of Self-Control," Dr. F. F. Nalder; "Hone, tthe Food Par-Excellence," B. A. Slocum; Dale Whitenack, reader.

DANCING

Central Time

Saturday, January 23: 8, Wjr, Wnyc, Wpg; 8:30, Wfaa; 8:35, Wgy; 9, Webh, Weei, Wmbb, Wnyc, Wreo; 9:10, Kths, Wip; 9:30, Kths, Wgbs, Wor, Wreo; 10, Kfve, Kfwa, Koa, Kpo, Weaf, Wgn, Wjr, Wkrc, Wmca, Wnyc, Wor, Wqj, Wreo, Wtam; 10:05, Wcco; 10:30, Wamd; 10:45, Wls; 11, Kng, Kfwa, Kfwb, Kpo, Webh, Wfaa, Wgbu, Who, Woc; 11:30, Kfoa; 11:45, Wdaf; 12, Kfwa, Kgo, Kgw, Knx, Wgbu, Wjjd.

Monday, January 25: 8, Wgcp; 9, Weei, Wgbu, Wjar, Wor; 9:15, Wahg; 10, Kths, Wgbu, Wgcp, Wgr, Wnyc, Wpg; 10:15, Wor; 10:30, Kfoa, Wgcp, Whn; 11, Kgw, Koil, Wgbu, Wgcp, Wgr, Whn, Who; 11:45, Wdaf; 12, Knx, Kpo.

Tuesday, January 26: 9, Webh, Wgbu, Wmbb; 9:30, Wcau, Wgbs, Wgy, Wip; 9:35, Wnyc; 10, Kfve, Wbbm, Weaf, Webh, Wgbu, Wgn, Whn, Wmca, Wnyc, Wpg; 10:15, Kths; 10:30, Kths, Whn; 10:45, Wsb; 11, Kgw, Koil, Wgbu, Whn; 11:30, Kfoa; 11:45, Wdaf; 12, Kgw, Khj, Knx, Kpo, Wdaf; 1, Wjj.

Wednesday, January 27: 9, Wcr, Webh, Wgbu, Wgcp, Who, Wmbb, Wtic; 9:15, Wahg; 9:30, Wbap, Who, Wor; 10, Kfve, Wbap, Weaf, Wgbu, Wgcp, Wqj; 10, Wcco; 10:30, Wbap, Webh, Whn; 11, Koil, Kpo, Wgbu, Wgcp, Wgr, Whn; 11:45, Wdaf; 12, Kfwa, Knx, Kpo, Wjjd.

Thursday, January 28: 8, Wjr; 9, Webh, Weei, Wgbu, Wjr, Wmbb; 9:05, Wbz, Wip; 9:30, Wgbs, Wgy, Whn, Wnyc; 10, Kths, Weaf, Wgbu, Whn, Wmca, Wpg, Wqj; 10:30, Kths, Webh, Whn, Woc; 11:45, Wdaf; 12, Kgo, Khj, Knx, Wjjd.

Friday, January 29: 9, Webh, Wwj, Weei, Wmbb; 9:15, Wahg; 9:30, Wgcp, Wean; 11, Knx, Kpo.

Tuesday, January 26

Headliners Today

Eastern Central Mountain Pacific
8:15 p. m. 7:15 p. m. 6:15 p. m. 5:15 p. m.
WIP (508.2m-590kc) Wagner quartet.
8:30 7:30 6:30 5:30
KDKA (309.1m-970kc) Sacred songs.
WEAF (491.5m-610kc), WEEI, WFI, WGR, WWJ, WSAI, WOC, WJAR, KSD, WCCO, WTAG, WGN, WEAR, WCAE, Gold Dust Twins.
9 8 7 6
WLW (422.3m-710kc) Old-time review.
9:45 8:45 7:45 6:45
WAMD (243.8m-1230kc) "Sun-Up," three-act play.
10 9 8 7
WOC (483.6m-620kc) Crescent orchestra.
12 m. 11 10 9
KGO (361.2m-830kc) Eveready hour.
KNX (336.9m-890kc) Glassmobile minstrels.
1:30 a. m. 12:30 a. m. 11:30 10:30
WJJD (370.2m-810kc) Settin'-up hour.

Tuesday, silent night for: CFCA, CHIC, CKNC, CKY, CNRC, CNRE, CNRM, CNRO, CNRW, CNRT, KFKX, KFKU, KFMQ, KFUO, KFWA, KOA, KOAC, KOB, KUOM, KWSC, PWX, WAHG, WAMD, WBBR, WCAD, WCAP, WEBW, WGCP, WGST, WHAD, WHAZ, WJAD, WJAZ, WKAF, WKAQ, WLWL, WOI, WRVA, WSM, WSUI, WTAM, WTIC.

Eastern Time Stations

6KW, Tuinucu, Cuba (338m-890kc), 10-11 p. m., American dance music.

CNRA, Moncton, Can. (291.1m-1030kc), 6:30 p. m., bedtime story, Aunt Ida; 7, juvenile program, Prof. C. M. Wright, director; 8, CNRA orchestra; 9, St. Mary's band; Ernest Till, tenor; 10, international program.

KDKA, Pittsburgh, Pa. (309.1m-970kc), 7:15-8 a. m., morning exercises, O. Shannon, director; 10, domestic science and arts; 5:45 p. m., Daddy Winkum; 6:30, dinner concert; 8, news items; 8:15, address, "Methods of Preparation," Wayland M. Parrish; 8:30, sacred song time; 11:35, concert, Grand theater; 9, concert, Little Symphony orchestra; Edward L. Marsh, tenor.

WBAL, Baltimore, Md. (246m-1220kc), 6:30-7:30 p. m., dinner program; WBAL string trio; John Wilbourn, tenor; Philip Jeffreys, pianist; 7:30-8, WBAL male quartet; 8-9, musical program; selections from oratorios, choir of Eutaw Place temple, Howard Thatcher, director.

WBZ, Springfield, Mass. (333.1m-900kc), 6:30 p. m., Little Symphony orchestra, KDKA; 6:45, Hotel Lenox ensemble; 7:30, "Literary Values in Recent Books," Prof. Robert Emmons Rogers; 8, hockey game.

WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert, William Penn hotel; 7:30, Davis saxophone octet, WEAF; 8, program, WEAF; 8:30, Gold Dust Twins; 9, Eveready hour; 10, Your hour; 10:30, Vincent Lopez and his orchestra; 11, midnight frolic.

WCAU, Philadelphia, Pa. (278m-1080kc), 7:30, N. Snellenburg recital; 8, building and loan talk, F. Baruch; 8:10, Three Brothers; 8:25, theater digest, Abe Dipschutz; 8:35, playlet; 9, Robert Fraser, blind gospel singer, Elizabeth Holtz, pianist; 9:30, Sea Isle City Gardens orchestra; 10, Harry Link, songs; 10:30, Billy Hayes and his Cathay Tea Garden dance orchestra (signs off at 11 for transatlantic tests).

WCX, Detroit, Mich. (516.9m-580kc), 6 p. m., dinner concert, Book-Cadillac hotel; 10, the Red Apple club.

WEAF, New York, N. Y. (491.5m-610kc), 6:45-7:20 a. m., "Tower Health Exercises," also through WEEI, WCAP; 11-11:10, Ann Robertson, violinist; 11:10-11:25, "Trend of the Time," Arthur D. Rees; 11:25-11:35, Ann Robertson, violinist; 11:35-11:50, motion picture forecast, Adele Woodard; 11:50-12, Ann Robertson, violinist; 4-4:30, John Ingram's string quartet; 4:30-6, women's program, auspices of Women's League of United Synagogue of America; 6-7, dinner music, Hotel Waldorf-Astoria; 7-7:10, Blanche Kraft Fink, soprano, accompanied by Winifred T. Barr; 7:10-7:30, French course, Columbia university; 7:30-8, Ross Gorman and his orchestra from Monte Carlo; 8-8:30, Blue Ribbon male quartet, WEEI, WFI, KSD, WCAE, WWJ, WGR; 8:30-9, Gold Dust Twins, WEEI, WFI, WGR, WWJ, WSAI, WOC, WJAR, KSD, WCCO, WTAG, WGN, WEAR, WCAE; 10-10:30, moment musicale, WCAE, WGR, WWJ, WFI, WEEI, WTAG, KSD, WEAR; 10:30-11, Vincent Lopez and his orchestra from Casa Lopez; 11-12, silent for international Radio tests.

WEAR, Cleveland, Ohio (389.4m-770kc), 11 a. m., home service talk; 11:30, farm talk; 7 p. m., State theater vaudeville and music; 8, studio program; 8:30, Gold Dust Twins, WEAF; 9, Eveready entertainers, WEAF; 10, program, WEAF.

WEBJ, New York, N. Y. (273m-1100kc), 7-7:45 p. m., orchestra; 7:45-8, Jack Gall, concert pianist; 8-8:15, railroad talk, G. T. Geer; 8:15-8:30, Benjamin J. Armus, tenor, accompanied by Anna Heinisch; 8:30-9, Alcicones Harlem Tea Garden orchestra.

WEEI, Boston, Mass. (348.6m-860kc), 2 p. m., Eugene's Singing orchestra, George Joy, Nell Cantor; 6:20, talk, Mrs. Nellie E. Friend; 6:45, Big Brother club; 7:30, musicale; 8, Blue Ribbon male quartet, WEAF; 8:30, Gold Dust Twins; Eveready hour; musicale; Vincent Lopez and his orchestra.

WFI, Philadelphia, Pa. (394.5m-760kc), 1 p. m., tea room ensemble; 3, Philadelphia Music club concert; 6:30, Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra; 8, Blue Ribbon male quartet; 8:30, Gold Dust Twins; 9, Eveready hour; 10, moments musical; 10:30, Vincent Lopez dance orchestra.

WGBS, New York, N. Y. (315.6m-950kc), 10-10:10 a. m., timely talks with Terese; 10:10-10:20, Frank Galassi, uke and songs; 10:20-10:30, Phoebe Cole; 10:30-10:40, Frank Galassi, uke and songs; 10:40-10:50, reducing talk, Nestor Matson; 1:30-2 p. m., Murray Miller, jazz pianist; 3-4, Biblical musical program, readings, Rev. McAlpin; 6-6:30, Uncle Geebee; 7-8, Arrowhead inn concert orchestra; 8:20-10, comedy, "The Sympathy Snatchers."

WGCP, New York, N. Y. (252m-1190kc), 3-3:10 p. m., pianist; 3:10-3:20, race results and news items; 3:20-3:30, Paul Hogan, tenor; 3:30-3:45, Isabele Henderson, soprano; 3:45-4, 20th Century entertainers; 4:15-4:45, J. Vincent Moore, tenor; 4:45-5, Ukulele Bob McDonald; 5-5:10, race results and news items; 7-7:30, Janssen's orchestra; 7:30-7:55, studio program; 7:55-8, health talk; 8-8:30, orchestra.

WGHP, Detroit, Mich. (270m-1110kc), 6 p. m., dinner concert, Hotel Tuller; 8, Skylark dance band; Charles Wiggle, singing cop; Gladys Sanderson, ukulele lady.

WGR, Buffalo, N. Y. (319m-940kc), 2:30 p. m., WGR's afternoon program; 6:30, Vincent Lopez' Hotel Statler dance orchestra; Harold Gieser, director; 8, jointly with WEAF, including Blue Ribbon quartet, the Gold Dust Twins, Eveready hour and Vincent Lopez and his Casa Lopez orchestra.

WGY, Schenectady, N. Y. (379.5m-790kc), 2 p. m., Mrs. E. G. Colburn, pianist; 2:30, Stephen E. Boisclair, organist; 6:30, Porter E. Potts' Hotel Van Curler orchestra; 7:30, Marine band, WRC; 8:30, Edison hour, WJZ; 9:30, "Progress of Broadcast Development by General Electric company," C. J. Young; 9:40, Mrs. Dana C. Goodrich, soprano; 10, "The Riviera," WJZ; 10:30, W. Spencer Topman's Hotel Mayflower orchestra, WRC.

WHAR, Atlantic City, N. J. (275m-1090kc), 2 p. m., Seaside hotel trio; 7:30, talk; 8, Seaside hotel trio.

WHN, New York, N. Y. (361.2m-830kc), 12:30-1 p. m., Lexington organ recital; 2:15-3:15, overture and vaudeville, Loew's State; 3:15-4:30, Lexington orchestra; 6:30-7, Everglades orchestra; 7-7:30, Vincent Lopez' Iceland orchestra; 7:30-8, Will Oakland's Chateau Shanley; 12, Bob Murphy's orchestra; 12-12:30 a. m., Club Kentucky orchestra.

WIP, Philadelphia, Pa. (508.2-590kc), 6:45 a. m., setting-up exercises; 7, setting-up exercises; 10, menu talk, Mrs. Anna B. Scott; 1 p. m., organ recital, Germantown theater; 3, artist recital, Lansdale Conservatory of Music; 6:05, Al Lentz and his Versatile entertainers; 7, Uncle Wip's bedtime stories; songs, Pearl Goodman; 8, dramatic review, Elliott Lester; 8:15, Wagner male quartet; Fred Rodgers, tenor; John J. Cook, tenor; Harry J. Markley, baritone; Samuel MacKenzie, bass; 10:05, movie talk, Eli M Orowitz; 10:30, Pagoda cafe orchestra.

WJAR, Providence, R. I. (305.9m-980kc), 1:05 p. m., Providence-Biltmore concert orchestra; 7:30, musicale, 8, speaker; 8:30, Gold Dust Twins, WEAF; 9, Eveready hour.

WKAR, Lansing, Mich. (285.5m-1000kc), 7:15-7:30 p. m., "The Digestive Tubes of Farm Animals," H. E. Johnson; 7:30-7:45, "Poultry Houses for Michigan," C. M. Ferguson; 7:45-8, "Aids for the Live Stock Breeder," V. A. Freeman.

WLIT, Philadelphia, Pa. (394.5m-760kc), 11 a. m., organ recital; 12:02 p. m., daily almanac; Stanley theater organ recital; Arcadia cafe concert orchestra, 2, Arcadia cafe concert orchestra; 1:30, Miriam Cohen, violinist; Arthur Comby, baritone; 7:30, Dream Daddy's bedtime stories; 7:30, play review, Allyn C. Saurer.

WMCA, New York, N. Y. (340.7m-880kc), 11-12 a. m., Ida Bailey Allen's home-makers hour; 12-12:15 p. m., T. & J. Cousin's shoe style talk; 12:15-12:30, interest in study; 12:30-12:45, Lucille Buhl beauty talk; 12:45-1, interview by Hedda Comoro; 6-6:30, Olcott Vail and his Hotel McAlpin string ensemble; 6:30-7:15, Frank Farnum and his Californians; 7:15-7:30, "Investments," William H. McMahon; 8-9, Paco Insti-

Index to Farmers' Programs

Farmer Dinner Concerts

Daily Except Sunday

CENTRAL TIME
KFNF, 12:15-1:35 p. m.
KMA, 12:30-1:30 p. m.
KSO, 12:30-1:30 p. m.
WLS, 12 noon.

Saturday, January 23

Eastern Central Mountain Pacific
1:45 p. m. 12:45 p. m. 11:45 a. m. 10:45 a. m.
WOI (270m-1110kc) Soils, questions and answers.
8 7 6 5
KDKA (309.1m-970kc) Farm program.

Sunday, January 24

Eastern Central Mountain Pacific
3:30 p. m. 2:30 p. m. 1:30 p. m. 12:30 p. m.
WFAA (475.9m-630kc) Sunday hour for farmers.

Monday, January 25

Eastern Central Mountain Pacific
1:15 p. m. 12:15 p. m. 11:15 a. m. 10:15 a. m.
WOC (483.6m-620kc), Hog day.
1:35 12:35 11:35 10:35
KSAC (340.7m-880kc) Some Suggestions for the New Year. Sweet Clover for Summer Pasture.
1:45 12:45 11:45 10:45
WOI (270m-1110kc) Dairy Production.
WMAQ (447.5m-670kc) Radio farm school.
2 1 12 n. 11
KFKX (288.3m-1040kc) Hog Day.
7 6 5 4
WGY (379.5m-790kc) Agricultural program.
7:15 6:15 5:15 4:15
WKAR (285.5m-1050kc) Farm school.
7:45 6:45 5:45 4:45
WSOE (246m-1220kc) Hog Raising.
8:30 7:30 6:30 5:30
KFMQ (299.8m-1000kc) Farmers' night.
WMC (499.7m600kc) Talk.
WOI (270m-1110kc) The Care of the Automobile in Cold Weather.
9:05 8:05 7:05 6:05
KFAB (340.7m880kc) Agricultural talks.
9:30 8:30 7:30 6:30
KOB (348.6m-860kc) Irrigation. Seed Centers.
10 9 8 7
KOAC (280.2m-1070kc) Agricultural question box. Purchasing Commercial Fertilizers.
10:30 9:30 8:30 7:30
KOAC (280.2m-1070kc) Methods of Starting Clover. Importance of Nitrogen in Agriculture.
11:30 10:30 9:30 8:30
KWSC (348.6m-860kc) Honey, the Food Par-Excellence.

Tuesday, January 26

Eastern Central Mountain Pacific
11:30 a. m. 10:30 a. m. 9:30 a. m. 8:30 a. m.
KFAB (340.7m-880kc) Poultry talks.
1:15 p. m. 12:15 p. m. 11:15 10:15
WOC (428.3m-620kc) A Successful Fruit and Poultry Farm.
1:35 12:35 11:35 10:35
KSAC (340.7m-880kc) Ordering Nursery Stock. Sow and Litter clubs.
1:45 12:45 11:45 10:45
WMAQ (477.5m-670kc) Radio farm school.
WOI (270m1110kc) Animal Husbandry, questions and answers.
2 1 12 n. 11
KFKX (288.3m-1040kc A Successful Fruit and Poultry Farm.
8 7 6 p. m. 5 p. m.
KSAC (340.7m880kc) Pasture Crops for Hogs. Jersey and Guernsey Cattle in Kansas.
7:15 6:15 5:15 4:15
WKAR (285.5m-1050kc) Animal Husbandry, Veterinary Medicine Course.
8 7 6 5
WOC (483.6m-620kc) Feeding Plans Which Will Make the Dairy Cow Pay a Profit.

Wednesday, January 27

Eastern Central Mountain Pacific
1:15 p. m. 12:15 p. m. 11:15 a. m. 10:15 a. m.
WOC (483.6m-620kc) Dairy Day.
1:35 12:35 11:35 10:35
KSAC (340.7m-880kc) A Survey of the Present Grain Market; Tile Drainage.
1:45 12:45 11:45 10:45
WMAQ (447.5m-670kc) Radio farm school.
WOI (270m-1110kc) Poultry husbandry.
2 1 12 n. 11
KFKX (288.3m-1040kc), Dairy day.
7:15 6:15 5:15 p. m. 4:15 p. m.
WKAR (285.5m-1050kc) Horticulture course.
9:05 8:05 7:05 6:05
KFAB (340.7m-880kc) Agricultural talks.

Thursday, January 28

Eastern Central Mountain Pacific
1:15 p. m. 12:15 p. m. 11:15 a. m. 10:15 a. m.
WOC (483.6m-620kc) Alfalfa—Seeding Time and Now.
1:35 12:35 11:35 10:35
KSAC (340.7m-880kc) Poison Ammunition for Jack Rabbits. Planning a Cropping System.
1:45 12:45 11:45 10:45
WMAQ (447.5m-670kc) Radio farm school.
WOI (270m-1110kc) Farm crops.
2 1 12 n. 11
KFKX (288.3m-1040kc) Alfalfa—Seeding Time and Now.
7:15 6:15 5:15 p. m. 4:15 p. m.
WKAR (285.5m-1050kc) Dairy Husbandry course.
8:30 7:30 6:30 5:30
WOI (270m-1110kc) What Shall I Grow in 1926?
9:30 8:30 7:30 6:30
KOA (322.4m-930kc) Farm question box.

Friday, January 29

Eastern Central Mountain Pacific
1:15 p. m. 12:15 p. m. 11:15 a. m. 10:15 a. m.
WOC (483.6m-620kc) Special farm service day.
1:35 12:35 11:35 10:35
KSAC (340.7m-880kc) Winter Quarters for Hogs. Self Feeders for Hogs.
1:45 12:45 11:45 10:45
WOI (270m-1110kc) Agricultural Economics
2 1 12 n. 11
KFKX (288.3m-1040kc) Special Farm Service day.
WMAQ (447.5m-670kc) Radio farm school.
7:15 6:15 5:15 p. m. 4:15 p. m.
WKAR (285.5m-1050kc) Farm Crops course.

Markets and Weather

Daily Except Sunday

Eastern Central Mountain Pacific
9:30 a. m. 8:30 a. m. 7:30 a. m. 6:30 a. m.
WFAA (475.9m-630kc) Markets
WOAW (526m-570kc) Markets.
9:45 8:45 7:45 6:45
KDKA (309.1m-970kc) Livestock, grain.
10 9 8 7
WLS (344.6m-870kc) Livestock, markets, fruit.
WOS (440.9m-680kc) Hogs.
10:30 9:30 8:30 7:30
KFKX (288.3m-1040kc) Livestock, fruit, vegetables, hogs.
KTCL (305.9m-980kc) Weather, sheep, quotations.
WFAA (475.9m-630kc) Markets.
WOI (270m-1110kc) Weather.
10:45 9:45 8:45 7:45
WCCO (416.4m-720kc) Markets.
WMC (499.7m-600kc) Weather, markets.
11 10 9 8
WBAP (475.9m-630kc) Markets, quotations.
WOS (440.9m-680kc) Weather, hogs.
11:15 10:15 9:15 8:15
WTAG (268m-1120kc) Markets, weather.
11:30 10:30 9:30 8:30
KFKX (288.3m-1040kc) Weather; fruit, vegetables.
WCCO (416.4m-720kc) Markets.
WEAR (389.4m-770kc) Markets, weather.
11:45 10:45 9:45 8:45
WAAW (384.4m-780kc) Livestock, butter, eggs.
12 n. 11 10 9
KDKA (309.1m-970kc) Weather, livestock, grain.
WBAP (475.9m-630kc) Weather, cattle, grain.
WEAR (389.4m-770kc) Markets, weather.
WHAD (275m-1090kc) Weather, markets.
WLS (344.6m-870kc) Poultry, dairy, hogs, sheep.
WOS (440.9m-680kc) Livestock, poultry, eggs, grain.
12:30 p. m. 11:30 10:30 9:30
KFKX (288.3m-1040kc) Livestock, fruit, vegetables, dairy.
WEAR (384.4m-780kc) Markets, weather.
WFAA (475.9m-630kc) Markets.
1 12 n. 11 10
WBAP (475.9m-630kc) Markets
WHT (238m-1260kc) Fruit, weather.
WOS (440.9m680kc) Livestock, weather.
1:05 12:05 p. m. 11:05 10:05
KMA (252m-1190kc) Markets and weather
1:30 12:30 11:30 10:30
KTHS (374.8m-800kc) Markets, weather.
WFAA (475.9m-630kc) Markets.
WOAW (526m-570kc) Markets.
WOI (270m-1110kc) Weather, livestock.
1:35 12:35 11:35 10:35
KPO (428.3m-700kc) Butter, eggs, cheese, poultry.
1:45 12:45 11:45 10:45
KOA (322.4m-930kc) Weather, roads, livestock, poultry.
2 1 12 n. 11
WOC (483.6m-620kc) Weather, grain, livestock, dairy.
WOS (440.9m-680kc) Grain
2:15 1:15 12:15 p. m. 11:15
WAAW (384.4m-780kc) Grain markets.
2:30 1:30 12:30 11:30
WCCO (416.4m-720kc) Markets, weather.
WFAA (475.9m-630kc) Markets.
3 2 1 12 n.
WLS (344.6m-870kc) Livestock, grain, dairy, fruit, vegetables.
WOS (440.9m-680kc) Livestock, markets, grain.
3:30 2:30 1:30 12:30 p. m.
WFAA (475.9m-630kc) Markets.
WMC (499.7m-600kc) Markets, weather
3:50 2:50 1:50 12:50
WWJ (352.7m-850kc) Weather, markets.
4 3 2 1
KFKX (288.3m-1040kc) Livestock, wool.
WCCO (416.4m-720kc) Markets.
WCX (516m-580kc) Stocks and grain.
4:30 3:30 2:30 1:30
WEAR (389.4m-770kc) Markets, weather.
WFAA (475.9m-630kc) Markets.
5:50 4:50 3:50 2:50
WDAF (365.6m-820kc) Markets, weather, road reports.
WHAS (399.8m 750kc) Markets.
6:30 5:30 4:30 3:30
KSAC (340.7m 880kc) Markets.
6:45 5:45 4:45 3:45
WIP (508.2m-590kc) Livestock, markets.
6:50 5:50 4:50 3:50
WHAD (275m-1090kc) Markets.
7:30 6:30 5:30 4:30
KMA (252m-1190kc) Markets and weather.
KSAC (340.7m-880kc) Market review.
7:45 6:45 5:45 4:45
KFWA (261m-1150kc) Market reports.
8 7 6 5
KFKX (288.3m-1040kc) Markets.
KOA (322.4m-930kc) Sheep, markets, livestock, poultry.
9 8 7 6
WAAW (384.4m-780kc) Marketgrams and talks.
11 10 9 8
WCCO (416.4m-720kc) Weather, grain.

CHICAGO LITTLE SYMPHONY AT WLS

One of the promising young violinists of Cincinnati is Ruth Raab, pianist. She appears frequently at WSAI.

Tuesday, January 26

tute program; 9:30-9:45, "The Right Word," W. Curtis Nicholson; 10:30-11, Manhattan serenaders.

WNYC, New York, N. Y. (526m-570kc), 7:10-7:30 p. m., the Canadians; 7:35-8, the Canadians; 8-8:30, male quartet; 8:30-9, piano recital; 9-10, vocal program; 10-10:30, Harry Ash's orchestra; 10:35-11, Harry Ash's orchestra.

WOO, Philadelphia, Pa. (508.2m-590kc), 11 a. m., organ recital; 12:02 p. m., Golden's Crystal tea room orchestra; 4:45, organ recital; 7:30, Hotel Adelphia French room orchestra.

WOR, Newark, N. J. (405.2m-740kc), 6:15-6:17 p. m., words often mispronounced; 6:17-6:30, sport talk, Bill Wathey; 6:30-7, Man in the Moon stories for the children.

WRC, Washington, D. C. (469m-640kc), 10 a. m., women's hour, WJZ; 12, organ recital, George F. Ross; 1, Hotel Washington orchestra, Irving Boernstein directing; 6, Hotel Hamilton orchestra, Daniel Chwalow, director; 6:40, agricultural reports; 6:50, "Show Shopping," Leonard Hall; 7, Lee House trio, Sam Udrin, directing; 7:15, Radio School of International Relations; 7:30, concert, United States Marine band, Captain William H. Santelman, leader, WJZ and WGY; 8:30, New York Edison hour, WJZ and WGY; 10:30, W. Spencer Tupman and his Hotel Mayflower orchestra, WJZ and WGY; 12, Meyer Davis Le Paradis band, Cafe Le Paradis.

WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., dinner concert, Speed Wagon serenaders and Gold Standard ensemble; miscellaneous bulletins; 8:15, Reo Motor Car company band, Carl Hall Dewey, conductor; Reo Motor Car company band glee club, Fred Killeen, director; vocal and instrumental solos.

WTAG, Worcester, Mass. (268m-500kc), 10:30 a. m., musical selections; 12:05-2, noonday luncheon music, WTAG orchestra, Will Hardy, director; 5:15, "The Twinkle Twinkle Story Teller"; 7:45, Prof. Arthur W. French, "A Hundred Million Barrels of Portland Cement"; 9-10, Eveready hour; 10-10:30, program, WEAF; 10:30-11, Vincent Lopez and his orchestra, WEAF.

WWJ, Detroit, Mich. (352.7m-850kc), 9:30 a. m., tonight's dinner, special talk; 12:05 p. m., Jules Klein's Hotel Statler orchestra; 3, Detroit News orchestra; 6, dinner concert; 8, concert, WEAF.

Central Time Stations

KFAB, Lincoln, Nebr. (340.7-880kc), 8:05 p. m., University of Nebraska musicale.

KFKX, Hastings, Nebr. (288.3m-1040kc), 1 p. m., "A Successful Fruit and Poultry Farm," A. G. Philips; "The Hastings KFKX Radio Special," orchestra; 5:30, dinner concert, KDKA.

KFMQ, Fayetteville, Ark. (299.8m-1000kc), 8 p. m., musicale, pupils Harry E. Schultz.

KFNF, Shenandoah, Iowa (266m-1130kc), 7 p. m., concert, Sidney and Shenandoah, Iowa, artists; W. L. Carlisle, director.

KFVE, University City, Mo. (240m-1250kc), 9:15 p. m., woman's national exposition; "Good English and Rhetoric," Prof. Adolphus Watts; entertainers; Dave George, organist.

KLDS, Independence, Mo. (440.9m-680kc), 6:30 a. m., morning devotional service; 8 p. m., "Problems of Society," M. A. Litzenhauser; 8:15, KLDS concert band, Roy Turner, director; 11:59, weekly midnight program; organ requests.

KMA, Shenandoah, Iowa (252m-1190kc), 11:30-12:30 p. m., noonday rural program; talk, Earl E. May; music; news; 6-7, May Flower trio; news; May's flower lady, Lina Ferguson; 9, May's mandolin musicians; talk, G. H. Van Houten.

KMMJ, Clay Center, Nebr. (229m-1310kc), 1:30 p. m., factory and office program; 7:30, mixed program.

KPRC, Houston, Texas (286.9m-1010kc), 12 m., Edna Adams, the sweetkheart of the air, popular program with whistling; 5:30 p. m., Uncle Judd's Kiddies' hour; 7:30, Billie Mack's orchestra; 8:30, Temple Beth Israel choir.

KSAC, Manhattan, Kans. (340.7m-880kc), 9-9:25 a. m., music, inspirational talks, agricultural primer, calisthenics; 9:55-10:25, readings, backyard gossip, question box; planning today's meals; 12:35-10:05 p. m., readings, question box; "Ordering Nursery Stock," L. C. Williams; "Sow and Litter Clubs," M. H. Coe; 4:30-5, program for women's clubs; 6:30-7:30, better speech, etiquette; economics, extension credit courses; "Pasture Crops for Hogs," A. D. Weber; "Jersey and Guinsey Cattle in Kansas," R. H. Lush.

KSD, St. Louis, Mo. (545.1m-550kc), 6:55 p. m., WEAF "Good Will" program.

KTHS, Hot Springs National Park, Ark. (374.8m-750kc), 9-9:30 p. m., duet selections, Arthur Platz, tenor and W. C. Brown, baritone; 9:15-9:40, classical selections, Eastman hotel orchestra; 9:40-10, dance hits, Meyer Davis New Arlington hotel orchestra; 11-11:30, dance concert, New Arlington hotel orchestra.

KYW, Chicago, Ill. (535.4m-560kc), 6:30-7 a. m., morning exercises, Paul A. Leonhardt; 7:30, morning devotional worship, Y. M. C. A.; 11:35, table talk, Mrs. Anna J. Peterson, Peoples Gas company; 12:05 p. m., concert; 1, luncheon concert, Congress hotel; 2:35-4, afternoon frolic; 6, dinner music, KDKA; 7:05, bedtime story, Walter Wilson; 7:33, speeches, American Farm Bureau federation; 8, musical program; 9, an hour of music; 1 a. m., Insomnia club, Coon Sanders Original Nighthawks.

WAMD, Minneapolis, Minn. (244m-1230kc), 12 m., organ recital, Jack Malerick; 8:45, A. H. Faust, Leome Faust; "Sun Up," three-act play.

WBBM, Chicago, Ill. (226m-1330kc), 4-6 p. m., Valentino inn orchestra; artists; 8-9, Moulin Rouge orchestra; Phil Fleming, tenor; Jean St. Anne, French baritone; 9, Ziegler Sisters; Moulin Rouge orchestra; Claire Matthews, artists.

WBCN, Chicago, Ill. (266m-1130kc), 10-10:30 a. m., Penny Wise, the shopper's ready helper; 7-8, Ballantine Electric company classical hour; Robert Sansome, cellist; Gordon A. Nelson, tenor; Ann Kelley, soprano; Pearl Fairchild, pianist.

WCBD, Zion, Ill. (344.6m-870kc), 8 p. m., mixed quartet, saxophone quintet; Mrs. Thomas, soprano; Mr. Barton and Mrs. Thomas, vocal duettists; Gerald and Daniel Mason, duettists; Gerald Mason, cornetist; Daniel Mason, trombonist; Esther Harwood, vocalist.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 12 m., Dick Long's Dayton trio; 2, problems of our government; 2:30, afternoon concert, Dick Long's trio; 3:30, "The World of Books," H. A. Bellows; 4, readers' club, Eleanor Poehler; 5:30, children's hour; 6:15, dinner concert, Biley's St. Paul hotel concert orchestra; 7:30, program, WEAF; 7:30-8, Gold Dust Twins; 8-9, Eveready hour.

WDAF, Kansas City, Mo. (365.6m-820kc), 3:30-4:30 p. m., the Star's string orchestra; 6-7, the Tell-Mea-Story Lady; address, Maudellen Littlefield, Radio piano lesson; music, the Trianon ensemble, Hotel Muehlebach; 11:45-1, the Plantation players, Hotel Muehlebach; Eddie Kuhn's Kansas City Athletic club orchestra; Billy Adair's Kansas City club orchestra.

WDOD, Chattanooga, Tenn. (256m-1170kc), 9-9:30 p. m., bridge games.

WEAO, Columbus, Ohio (283.8m-1020kc), 9 p. m., university chimes, Allen McManigal; 9:15, fraternity program.

WEBH, Chicago, Ill. (370.2m-810kc), 11:30-12 m., woman's half hour; 3-4 p. m., special features; 7-8, Lydia Lochner, contralto; Oriole orchestra; Kathryn Forbes, soprano; 9-9:45, Uptown theater; 9:45-10, news; 11-12:30, Oriole orchestra; Jack Penewell, Fred Palmiter, Howard Neumiller.

WENR, Chicago, Ill. (266m-1130kc), 6-7 p. m., dinner concert; Rauland-Lyric trio, Russell Hendrickson, cellist; piano and vocal solos; 8-10, All-American Pioneers; Philip Millville, baritone; Al Tweed and Walter Peterson, Kentucky Wonder Beans; Loretta Giles; American-Hawaiian trio.

WFAA, Dallas, Texas (475.9m-630kc), 12:30-1 p. m., Beaumont band, KFDM; 4:30-5, Cloyd Griswold, songs and ukulele; 6:30-7:30, Don Bestor's orchestra; 8:30-9, Southern Methodist university faculty musicale; 9-9:30, auction bridge demonstration; 11-12, Emmet Peck, violinist and assisting musicians.

WGES, Oak Park, Ill. (250m-1200kc), 5-7 p. m., flute duo, organ, basso; 8-9, piano, orchestra, organ, tenor; 11-1 a. m., piano, tenor, soprano, organ, features.

WGN, Chicago, Ill. (302.8m-990kc), 11-11:30 a. m., household hints; 11:30-12, fashion discussion; 12-12:40, public service period; 12:40-2:30, luncheon concert, Drake concert ensemble and Blackstone string quintet; 2:30-3, Lyon and Healy artists; 3-3:25, public service period; 3:25-3:30, Port o' Missing Men; 3:30-4:15, tea time music, Marshall Field tea room orchestra; 4:30-5, organ recital, Edward Benedict, Kimball organ; 5:30-5:57, Skeezix time; 6:30-7, dinner concert, Drake ensemble and Blackstone string quintet; 8-9, Eveready program, WEAF; 9-10, Ford program, WEAF.

WHAD, Milwaukee, Wis. (275m-1090kc), 11 a. m., pianolog, Andy Hertel; "Getting the First Thousand," Carl Skinrood; 4 p. m., musical numbers; 6:15-7, Bill Benning's Milwaukee Athletic club orchestra.

WHAS, Louisville, Ky. (399.8m-750kc), 12-1 p. m., Trinity Methodist church; 1-2, Benson trio; 3-3:30, Mrs. Myrtle Kulks Zahn, Jr., organist; 4-5, concert, Music Box; 7:30-9, Eddie Rosson and his orchestra; thrift talk, Libert Insurance bank.

WHB, Kansas City, Mo. (365.6m-820kc), 7-7:30 p. m., Morrell Moore, organist; 8-10, program, Ralph Foster, Jerry Hall; Pearl Kinnaman and the McNutt-Welty orchestra; "The Crude Rubber Situation and Its Effect on the American Public," J. F. Ward.

WHO, Des Moines, Iowa (526m-570kc), 7:30-8 p. m., Raleigh quintet; 8-9, Bankers Life trio; 11-12, Bankers Life Little symphonic orchestra.

WHT, Chicago, Ill. (399.8m-750kc), 10 a. m., women's club program, Jean Sargent; Borden's health talk; studio music; 11, studio features; (238m-1260kc), 12, organ recital, Al Carney; (399.8m-750kc), 6 p. m., classical program; Al Carney, organist; Grayling's string trio; Eleanor Gilmour, Edwin Kemp, Lillian Knowles, John Rankel; 6:50, Loftis music; (238m-1260kc), 9:15, Alamo orchestra; (399.8m-750kc), 9:30, Hawaiian trio; Chez Pierre orchestra; Si Berg, ukulele; Helen Boise, popular songs; 10:10, dance music; 12, "Your Hour League," Pat Barnes and Al Carney.

WIBO, Chicago, Ill. (226m-1330kc), 10-11 a. m., shoppers' bureau; 2-4 p. m., shut-in program; 6-8, dinner concert, popular American ballads, Walter Preston; WIBO trio; Bernice Taylor, soprano; Ruth Buhl Flick, reader; 12 m.-2 a. m., jamboree.

WJJD, Mooseheart, Ill. (370.2m-820kc), 4-5 p. m., Mooseheart hour, music, younger Mooseheart children; daily assembly of 1,256 children; faculty talks; 6-7, instrumental hour, Howard L. Peterson, organist; the Palmer Symphonic players; Palmer House Victorians: 8-9, Mooseheart children's hour, music, children of all ages, solos, bands, etc.; 12:30, settin'-up hour, Garod studio, Palmer House; Palmer House Victorians.

WLIB, Chicago, Ill. (302.8m-990kc), 7-7:30 p. m., dinner concert; 7:30-8, Gold Dust program, WEAF; 11-12, popular program; 12-1, dance program.

WLS, Chicago, Ill. (344.6m-870kc), 12-1 p. m., Ford and Glenn; 6:40, organ; 7, lullaby time; Ford and Glenn; 7:20, Apollo club.

WLW, Cincinnati, Ohio (422.3m-710kc), 7:30 a. m., healthful exercises, William Stradtman; 8, morning devotions, auspices of the Parkway Y. M. C. A.; 12 p. m., concert, Hotel Gibson orchestra, Robert Visconti, director; 4, talk, Ralph Schmidt; 4:10, French lesson, Madame Ida Tcimpidis; 7, musical appreciation series, the Cincinnati Conservatory of Music; 7:20, Crosley popular science series, member of the faculty of St. Xavier college; 7:30, piano memories, Mary Louis Woseczek, the Crosley piano request lady; 7:50, concert, Trirdyn instrumental trio; 8, old-time review, Crosley Burnt Corkers, comedians and instrumentalists; 9, concert, auspices of the Formica Insulation company, Formica concert orchestra, William Stoess, director.

WMAQ, Chicago, Ill. (447.5m-670kc), 12:45 p. m., Radio farm school; 2, shut-in program; 4, interior decorating, G. M. Morits; 4:30, pupils, Rosenfeld School of Music; 6, Chicago theater organ recital; 6:30, Hotel La Salle orchestra; 8, Harry Hansen book talk; 9, lecture, U. of Chicago; 9:20, musicale; 9:55, U. of C. chimes.

WMBB, Chicago, Ill. (250m-1200kc), 7-8 p. m., Trianon duo; Genevieve Burnham, coloratura soprano; Eleanor Kaplan, concert violinist, semi-classical operatic night; 9-10, Trianon orchestra, Dell Lampe; Woodlawn theater orchestra, Armin Hand; Eddie Matts and Billie Donovan; Babby and Barre; Ed Wallace, Jack Goodwin; popular program.

WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Hofstead Bible class quartet; 9, bridge; 11, Britling cafeterial novelty orchestra.

WNAD, Norman, Okla. (254m-1180kc), 12:30 p. m., Billy Thompson, baritone; Rothwell Stephens, pianist; 12:50, "History of Oklahoma," Dr. E. E. Dale; 3:30, Troubadours; 7:20, "Co-operative Marketing and the Relation, of Automotive Transportation to the Railroad Problem," Dr. Floyd L. Vaughan; 7:30, "Oil, History and Development," Dr. Charles N. Gould; 7:40, "Why the Public Has a Right to Expect Better Material from the Drug Store," D. D. Johnson; 9, Helen Rubin, violinist; Ernest Sharpe, baritone; 11, Boomers.

WOAI, San Antonio, Texas (394.5m-760kc), 8:30-9:30 p. m., musical program, Gebhardt Mexican players.

WOAW, Omaha, Nebr. (526m-1000kc), 12:45 p. m., Jaffy's string orchestra; 6, classical; 6:50, Jaffy's string quintet; 9, De Luxe program; 10:10, Radio review, Neal Jones, conductor; 10:30, Herb Feierman and his Omadala orchestra; 12, Rialto theater alarm, auspices of The Omaha Bee.

WOC, Davenport, Iowa (483.6m-620kc), 12:15-12:25 p. m., "A Successful Fruit and Poultry Farm," Prof. A. G. Phillips; 3-3:30, home management, Aunt Jane; 5:45-6, chimes; 6:30-6:50, Sandman; 7-7:10, "Feeding Plans Which Will Make the Dairy Cow Pay a Profit," R. E. Patrick; 7:30-8, Gold Dust Twins, WEAF; 8-9, Eveready hour; 9-10, Crescent orchestra; Olga Edlen, Swedish; May Chambers, Italian; Oscar Colberg, Danish; Louis and Edward Crowder, Hawaiian numbers; 12-3, Crescent orchestra.

WOI, Ames, Iowa (270m-1110kc), 12:30 p. m., college chimes; 12:45, Prof. H. H. Kildee, discussion of animal husbandry.

WOK, Chicago, Ill. (217.3m-1380kc), 4:30-7 p. m., Capitol theater organ; Tearney's Town Club Twilight Dansant; studio program; 11-1:30 a. m., Tearney's Town club orchestra; Carl Lorraine's Pershing Palace orchestra; Husk O'Hare's Cocoanut Grove orchestra; Capitol theater program; studio program.

WOQ, Kansas City, Mo. (278m-1080kc), 8-9 p. m., devotional musical program.

WORD, Batavia, Ill. (275m-1090kc), 7 p. m., program; "Public Service Company of Northern Illinois"; reading; 9-9:45, studio recital, Cosmopolitan School of Music; 9:45-10, Bible questions and answers; 11, Public Service company program; address, Ernest G. Wylam.

WQJ, Chicago, Ill. (447.5m-670kc), 11-12 m., "The Style Trend for Early Spring," Mrs. Lillian Russel; "Your Home," June Dunham; "Sewing Machines," Mrs. J. L. Murray; 3-4 p. m., "Second Courses for Dinner," Helen H. Downing; 7-8, Rainbo Gardens orchestra; Fontella trio; Sheppard Levine, tenor; Helen Reed, accompanist; Doris Gross, reader; 10-1, Rainbo Skylarks; Dr. Carl Bertschinger, pianist; Gertrude Wolf Quentin, soprano; Jerry Sullivan; Rose Vanderbosch, soprano; Hal Lansing, ukulele soloist; Everett George Opie, reader; Bert Davis; Merrill Carder, baritone; Will Rossiter; Mary Wade, soprano; Brundage and Kraemer; Ila Shannabrook, soprano; Hollingsworth and Altamore, guitarist; Romo Vincent, boy baritone; 1-2, Ginger hour.

WRR, Dallas, Texas (246m-500kc), 12-1 p. m., Mrs. Bera Meade Grimes, pianist; Virgil Whitworth, xylophone; 5:15, bedtime story; 6-7, dinner hour concert, Jack Gardner's orchestra; 8-9, program, Montgomery studio, photographer.

WSAI, Cincinnati, Ohio (325.9m-920kc), 5:30 p. m., twilight musicale, WSAI; 6:30, program; 7, Mabley and Carew orchestra; 8, Eveready hour, WEAF; 9-9:30, bridge; 9:30-10, Hawaiian music; 12, Charles Dornberger's Victor Recording orchestra.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., Biltmore Salon orchestra; 10:45, Metropolitan theater artists.

WSM, Nashville, Tenn. (282.8m-1060kc), 11 p. m., frolic, Beasley Smith's orchestra.

WSOE, Milwaukee, Wis. (246m-1220kc), 5 p. m., news and sport reports, Badger Crier; 5:30, Radio club meeting; 8:45, movie review, Peggy Patton, movie critic; 9, classical musical program, featuring Eva Case and Stock company.

WSUI, Iowa City, Iowa (483.6m-620kc), 12:30 p. m., Esther Dyke, soprano.

Mountain Time Stations

CFAC, Calgary, Can. (435.8m-690kc), 8-9 p. m., ladies concert trio, May Hockey, cellist; Miss Beerling, pianist; Gladys Webb Foster, violinist.

CNRR, Regina, Can. (476m-640kc), 8 p. m., bedtime story; Mrs. R. Taylor's concert party.

KFAU, Boise, Idaho (280.2m-1070kc), 7:30-8 p. m., children's half hour, Mrs. F. Pitts; 8-8:10, public speaking, J. G. Cunningham; 8:10-10, program, Evening Capital news.

KFWA, Ogden, Utah (261m-1150kc), 4-5 p. m., organ recital, Paramount theater; 5-6, Ogden Radio Dealers program.

KFXF, Colorado Springs, Colo. (250m-1200kc), 8:30-10 p. m., Freeman Dust Absorber musical program.

KOA, Denver, Colo. (322.4m-930kc), 12:15 p. m., Rialto theater musicale; 3:15, relaxing and corrective exercises; 3:30, matinee for housewives; 4:15, fashion review; 6:30, dinner concert, Brown Palace string orchestra, Howard Tillotson, director; 7:30, farm question box.

Pacific Time Stations

CNRV, Vancouver, Can. (291.1m-1030kc), 7:30 p. m., bedtime story, Aunt Ruby; 8, address, "Modern Poetry," Prof. G. G. Sedgewick; 8:30, Apollo quartet; 10:30, Cabaret Belmont orchestra; Bebe Mullar, soprano.

KFI, Los Angeles, Calif. (468.5m-640kc), 5:30-6 p. m., Al Wesson and his dance orchestra; 6, nightly doings; 6:15, KFI's Seeing California; 6:30, vest pocket program; 6:45, radiotorial period; 7-8, Louis N. Meyer and his dance orchestra; 8-9, Becker's Golden State band; 9-10, Louise Klos trio; Ysabel Bowen, soprano; 10-11, Packard ballad hour with Ashley Sisters, Dolly MacDonald and other favorites.

KFOA, Seattle, Wash. (454.3m-660kc), 6:45-8:15 p. m., Hooper-Kelly company; 8:30-9:30, Times studio program; 9:30-11:30, orchestra.

KFON, Long Beach, Calif. (233m-1290kc), 4:30-5 p. m., amusement bulletin; 6-6:30, organ, Brayton's theater; 7-7:30, dance orchestra; 8-9, Press-Telegram program; 9-11, Long Beach Aero Club Hi-Jinks.

KFWB, Hollywood, Calif. (252m-1190kc), 5-6 p. m., children's hour, Big Brother of KFWB; 7:45, microphone brevities; 8-10, program, Builders' Finance association, Arthur Raymond Hill, comedy songs; California blue boys; Frank Stever, baritone; Warner Brothers Syncopators; 10-11, Warner Brothers frolic, direction Charlie Wellman, William Beaudine, guest announcer.

KGO, Oakland, Calif. (361.2m-830kc), 7:30 a. m., health training exercises, Hugh Barrett Dobbs; 7:45, "Pep Class," Hugh Barrett Dobbs; 8:15-8:30, health training exercises, Hugh Barrett Dobbs; 8:30, daily strength; 4-5 p. m., concert orchestra, Hotel St. Francis, Vinton La Ferrera, conductor; 5:30, "As a Woman Thinketh," Louise Landis; 6-6:55, dinner concert, Knickerbocker trio; 6:55, news items; 9, Eveready hour; San Francisco concert orchestra; Allan Wilson, tenor; 10, auction bridge feature; 10:30-11:30, dance music, Hotel St. Francis, Girvin-Deuel's California Collegians.

KGW, Portland, Ore. (491.5m-610kc), 10:30-11:30 a. m., Town Crier; music; news items and shopping guide; 12:30-1:30, concert, Oregon Radio Trades association; 6-7, dinner concert, Olds, Wortman & King company; 7:30-7:45, news items and sporting results; 7:45-8, talk, Union Savings and Loan association; 10-12, dance music, Multnomah hotel; intermission piano solos, Curt Kremer.

KHJ, Los Angeles, Calif. (405.2m-740kc), 6-6:30 p. m.,

Index to Classical Concerts

Saturday, January 23

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.
WCX, WEAF, WMCA, WREO.			
7	6	5	4
KGO, KYW, WEAR, WENR, WMAQ, WNYC, WOAW, WOK, WRC.			
8	7	6	5
KDKA, KFNF, KOIL, KSD, KYW, WBBR, WGN, WMBB, WNYC, WOAW, WQJ.			
9	8	7	6
KFOA, KPRC, KHJ, KYW, WHAS, WIP, WLW, WORD, WSAI, WSOE			
10	9	8	7
KNX, KYW, WEAF, WMAQ, WMC, WOAW, WOC, WORD.			
11	10	9	8
KGO.			
12 m	11	10	9
WOAW.			

Sunday, January 24

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.
WCAU.			
7:20	6:20	5:20	4:20
WCAE, WCAU, WEAF, WEAR, WEEI, WJAR, WTAG, WWJ.			
8	7	6	5
KYW, WAMD, WBZ, WEAR, WGBS, WGCP, WKAQ, WLS, WORD.			
9	8	7	6
KFDM, KPRC, KSD, WBZ, WCAU, WCBD, WCCO, WEAR, WGY, WHAR, WHT, WNYC, WQJ.			
9:15	8:15	7:15	6:15
WEEI, WJAR, WTAG.			
10	9	8	7
KHJ, KNX, KTHS, KYW, WCCO, WFAA, WNYC, WOC, WQJ, WSOE.			
12 m	11	10	9
KHJ, KNX, WOC.			
1 a. m.	12 m	11	10
KNX.			

Monday, January 25

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.
KGO, WCX, WEAF, WMCA, WREO, WWJ.			
7	6	5	4
KMA, WCCO, WEAF, WEAR, WHAD, WJR, WOAW, WOK.			
8	7	6	5
KFNF, KSD, WBBR, WBZ, WCAU, WCX, WHAR, WHT, WJAR, WLW, WMBB, WTAG, WTIC.			
8:30	7:30	6:30	5:30
WAMD.			
9	8	7	6
KFOA, KGO, KHJ, KPRC, WBBR, WCCO, WBZ, WCAE, WEEI, WHAD, WHO, WJAR, WLW, WORD, WOS.			
10	9	8	7
KMA, KPO, KPRC, KSD, KTHS, WAMD, WCCO, WEAF, WHAD, WJAR, WOAW, WSUI, WTAG.			
12 m	11	10	9
KGW, WBAP, WSAI.			
1 a. m.	12 m	11	10
KHJ.			

Tuesday, January 26

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.
WBZ, WCX, WEAF, WMCA, WREO, WWJ.			
7	6	5	4
KGO, KMA, WEAR, WEBJ, WGBS, WHAD, WJR, WMAQ, WOAW, WOK, WOR, WTIC, WWJ.			
8	7	6	5
KFNF, KSD, KYW, WBZ, WCAE, WCAU, WCX, WEAR, WEEI, WGR, WHAR, WHT, WLS, WMBB, WQJ, WRC, WTIC.			
9	8	7	6
KFDM, KFNF, KFOA, KGO, KHJ, KSD, KYW, WBAP, WBZ, WCAU, WDAF, WEEI, WHAD, WJAR, WMAQ, WMCA, WSAI.			
10	9	8	7
KFAB, KFDM, KOA, WCCO, WHAD, WMAQ.			
12 m	11	10	9
KPO.			

Wednesday, January 27

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.
WCX, WEAF, WMCA, WREO, WWJ.			
7	6	5	4
KGO, WEAR, WHAD, WJR, WMAQ, WOK, WTIC.			
8	7	6	5
KFNF, KPRC, KSD, KYW, WAMD, WBZ, WCX, WEAF, WEEI, WHT, WLW, WMBB, WMCA, WQJ, WTAG, WWJ.			
9	8	7	6
KFOA, KGO, KPRC, KSD, KYW, WBZ, WCCO, WDAF, WEEI, WGR, WHAD, WHAS, WJAR, WMAQ, WOR, WOS, WORD.			
10	9	8	7
KFMX, KMA, KNX, KTHS, WAMD, WCCO, WEAF, WEEI, WGR, WHAD, WJAR, WLS, WMAQ, WNYC, WOC, WSOE.			
12 m	11	10	9
KGW, KPO, WHAD, WLW.			
1 a. m.	12 m	11	10
WLW.			

Thursday, January 28

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.
WBZ, WCX, WEAF, WIP, WMCA, WREO, WWJ.			
7	6	5	4
KGO, KSD, WEAF, WEAR, WGBS, WHAD, WJR, WMAQ, WOAW, WOK, WWJ.			
8	7	6	5
KYW, WBBR, WBZ, WCAU, WCCO, WCX, WEAR, WEEI, WGR, WGY, WHAR, WHT, WLS, WLW, WMBB, WOAW, WQJ, WTAG, WTIC.			
9	8	7	6
KHJ, KLDS, WBAP, WCAE, WCAU, WCBD, WCCO, WEAF, WEEI, WGR, WHAR, WHAS, WJAR, WNYC, WOC, WORD, WRC, WASI, WSB, WTAG.			
10	9	8	7
KNX, KPRC, KTHS, KYW, WAMD, WGR, WGY, WHAD, WMC, WOAW, WOC, WSAI.			
12 m	11	10	9
KGW, KPO, WHO, WKRC.			

Friday, January 29

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.
KGO, WCX, WMCA, WREO, WWJ.			
7	6	5	4
KGO, WEBJ, WGY, WHAD, WJR, WMAQ, WOAW, WOK, WOR, WTIC.			
8	7	6	5
KYW, WAHG, WAMD, WBZ, WCAU, WCX, WEBJ, WEEI, WHT, WLS, WQJ, WWJ.			
9	8	7	6
KFDM, KFNF, KFOA, KGO, KHJ, KSD, KYW, WBAP, WBZ, WCAU, WDAF, WEEI, WHAD, WJAR, WMAQ, WMCA, WSAI.			
10	9	8	7
KFAB, KFDM, KOA, WCCO, WHAD, WMAQ.			
12 m	11	10	9
KPO.			

WRC TO INTRODUCE NEW-OLD MUSIC

Tuesday, January 26

Leighton's Arcade cafeteria orchestra, Jack Cronshaw, leader; 6:30-7:30, history story, Prof. Hertzog; weekly visit of Queen Titania and her Radio Fairies; Lenore Killian, contralto; Charles Leslie Hill, readings; 7:30, talk on dogs, H. M. Robertson; 9-11, program, Arden Dairy.

KMTR, Hollywood, Calif. (238m-1260kc), 5-6 p. m., citizenship hour, Mammy Simmons with Boy Scouts and Campfire girls; 6-7, Starr Piano company studio; 7:30, "Diamond Mines of Central Africa," E. P. Barclay; 9-10, KMTR concert hour, Turner orchestra, direction Loren Powell.

KNX, Hollywood, Calif. (366.9m-890kc), 5-5:30 p. m., Sunny Jim's story; 5:30-6:15, Wurlitzer pipe organ studio; Town Tattler; 6:15, travel talk, W. F. Alder; 6:30-7, Atwater Kent concert orchestra; 7-7:45, program, Cavalier Shoe stores; 7:45, talk on health, Dr. Robt. T. Williams; 9-10, Glassmobile minstrels; 10-11, dance program.

KPO, San Francisco, Calif. (428.3m-700kc), 1-2 p. m., Rudy Seiger's Fairmont hotel orchestra; 2:30-3:30, matinee program; 3:30-4:30, Cyrus Trobbe's Palace hotel orchestra; 5:15-6:15, children's hour; 9-10, program, Mona Motor Oil trio, Gypsy and Marta; 10-11, Palace hotel dance orchestra, Gene James, director.

KTAB, Oakland, Calif. (240m-1250kc), 9-9:30 a. m., prayer service, Rev. G. W. Phillips; 9:30-9:40, talk, care of household pets, auspices of Ansel Robinson; 12-1 p. m., luncheon concert program; 9-11, studio program.

Wednesday, January 27

Headliners Today

Eastern	Central	Mountain	Pacific
7 p. m.	6 p. m.	5 p. m.	4 p. m.

WTIC (475.9m-630kc) Connecticut Coast Guard band.
7:30 6:30 5:30 4:30
WEEI (348.6m-860kc) Radeco trio.
8:05 7:05 6:05 5:05
WGY (379.5m-790kc) Operatic quartet.
9 8 7 6
KDKA (309.1m-970kc) Concert of Chamber music.
WBZ (333.1m-900kc) American folk music lecture recital.
WGHP (270m-1110kc) Mme. Gizi Szanto.
9:30 8:30 7:30 6:30
KFAB (340.7m-880kc) Cow Bell boys.
10 9 8 7
WLS (344.6m-870kc) Chicago symphony.
WOC (483.6m-620kc) German and Norwegian organ selections.
10:30 9:30 8:30 7:30
WHO (526m-570kc) Elks Charity ball.
12 m. 11 10 9
KFI (468.5m-640kc) All-American string quartet.

Wednesday, silent night for: CHIC, CKNC, CNRA, CNRC, CNRE, CNRM, CNRR, CNRT, CNRV, KFAU, KFDM, KFEQ, KFKU, KFMQ, KFXF, KGO, KLDS, KOB, KTAB, WBAL, WBBR, WCAD, WCBD, WEBW, WFAA, WGBS, WGCP, WGST, WHAR, WHAZ, WIP, WJAD, WJAZ, WLWL, WMC, WOAI, WOAW, WOI, WPG, WRC, WREO.

Eastern Time Stations

6KW, Twinueu, Cuba (338m-890 kc), 10-11 p. m., American dance music.

CFCA, Toronto, Can. (356.9m-840kc), 8:30 p. m., musical program, Hambourg trio.

CNRM, Montreal, Can. (410.7m-730kc), 8:30 p. m., CNRM string quartet; Viola Benoit, soprano; talk, Justice E. Fabre Surveyer.

CNRO, Ottawa, Can. (434.5m-690kc), 8:30 p. m., Chateau Laurier concert orchestra; 8:45, Markowski instrumental trio; Chateau Laurier dance orchestra.

KDKA, Pittsburgh, Pa. (309.1m-970kc), 7:15-8 a. m., morning exercises, O. Shannon, director; 12:20, Trinity Church institute; 5:45, KDKA mailbox; 8, news items; 8:15, "Dyes as a Civilizing Factor," Alexander Lowy; 9, concert, chamber music.

PWX, Havana, Cuba (400m-750kc), 8:30 p. m., staff band, Cuban army, Capt. Jose Moltna Torres, leader.

WBZ, Springfield, Mass. (333.1m-900kc), 6:30 p. m., Little Symphony orchestra, KDKA; 6:45, Hotel Kimball dance orchestra; 7:30, Radio Nature league, Thornton W. Burgess; 8, Daniel Kuntz and his concert orchestra; 8:30, Gertrude Wood, contralto; Eric Anderson, tenor; 9, lecture on American folk music, Harold V. Milligan; Mrs. Helen Campbell Triplet, soprano; William L. Spittal, tenor; Mrs. Ruth Borg Ekberg, alto; Walter Marsh, baritone.

WCAE, Pittsburgh, Pa. (461.3m-650kc), 10:45 a. m., Gold Medal talk; 6:30, dinner concert, William Penn hotel; 7:30, children's period; 8:30, Davis saxophone octet; 9, concert.

WCAU, Philadelphia, Pa. (278m-1080kc), 6:45 p. m., Parodians dance orchestra; 8, health talk; 8:10, Papa Bailey and his bunch; 9, Rigo's Royal Gypsy band; 9:30, Jones Jolly Four; 10, Lew Chapman's Interfraternity orchestra; 10:30, Dwight Strickland, the "Poetician"; 10:45, Frank Cook, old-time songs; 11, silent for international tests; 12, Artie Vittong and his Cheer-Up club.

WCX, Detroit, Mich (516.9m-580kc), 6 p. m., dinner concert, Book-Cadillac hotel; 8, studio program.

WEAF, New York, N. Y. (491.5m-610kc), 6:45-7:20 a. m., "Tower Health Exercises," WEEI, WCAP; 10:45-11, Betty Crocker Gold Medal Flour home service talk; 11:05-11:15, music; 11:15-11:30, health talk; 11:30-12, home management, Columbia university; 4-4:30, Ray Nichols' Recording orchestra; 4:30-4:45, June Lee, songs; 4:45-5:45, "Children's Hour," stories for children, Annie Carroll Moore; 6-7, dinner music, Hotel Waldorf-Astoria; 7-7:30, services, United Synagogue of America; 7:30-8:30, concert, United States Army band, WCAP, WIAR, WOO; 8:30-9, Davis saxophone octet, WOO, WSAI, WCAE, WCAP, WTAG, WEEI, WGR; 9-10, Ipana troubadours, WEEI, WCAP, WWJ, WCCO, WGR, WSAI, KSD; 10-11, Roxy and his Gang, WEEI, WTAG, WCAP, WWJ, WLIB, WJAR; 11-12, silent for international Radio test.

WEAR, Cleveland, Ohio (389.4m-770kc), 11:30 a. m., farm talk; 7:30 p. m., Hotel Cleveland orchestra.

WEBJ, New York, N. Y. (273m-1100kc), 8-10 p. m., N. Y. State Electric Railway association dinner, Commodore hotel.

WEEI, Boston, Mass. (348.6m-860kc), 3 p. m., Johnnie Bowles and his orchestra; 5:05, Chet Frost and his original Bostonians; 6:15, Joe Rines and his Hunters' Cabin orchestra; 6:45, Big Brother club; 7:30, Wilfred Academy program; 8, Earl Nelson and his uke; 8:30, Davis Saxophone octet; 9, Ipana troubadours; 10, Roxy and his gang.

WFI, Philadelphia, Pa. (394.5m-760kc), 10:30 a. m., solos; 10:40, Betty Crocker; 1 p. m., tea room ensemble; 3, "Musical Instruments and Their Place in the Orchestra," Mrs. B. L. Hackenberger; 3:10, travel talk, Mrs. N. Ellis; 6:30, Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra.

WGBS, New York, N. Y. (315.6m-950kc), 10-10:10 a. m., timely talk with Terese; 10:10-10:20, June Warren, pianist; 10:20-10:30, beauty talk; 10:30-10:40, June Warren, pianist; 11:40-11:50, house furnishing talk; 1:30-2 p. m., Robert Loffer, jazz pianist; 3-4, second program for Bellevue hospital shut-ins; 6-6:30, Uncle Geebee; 6:30-7, Jersey Collegians.

WGCP, New York, N. Y. (252m-1190kc), 3-3:15 p. m., pianist; 3:10-3:20, race results and news items; 3:20-3:35, Bobby Frey, songs; 3:35-3:45, Lillian Rubin, pianist; 3:45-4:15, talk, Dr. J. D. Schwarz; 4:15-4:30, Haves Good News party; 4:30-4:15, Jeanne A'Dair, songs; 4:45-5:15, Tracey and Mohr, entertainers; 5:10-5:30, Charlotte Trystmann, pianist; 7:15-7:30, Hock and Jerome; 7:30-8, Kennedy Harmony group; 8-8:30, Symphony orchestra.

WGHP, Detroit, Mich. (270m-1110kc), 6 p. m., dinner concert, Hotel Tuller; 8, WGHP Little Symphony orchestra, quartet; Madame Gizi Szanto, pianist.

WGR, Buffalo, N. Y. (319m-940kc), 2:30 p. m., WGR's afternoon program; 6:30, Gospel Melodists; 8:30, jointly with WEAF, Davis Saxophone octet; Ipana troubadours; 10, program, E. A. Wills Wallpaper store, directed by Mrs Vernon Curtiss; 10:30, Bernice Riggs, pianist and associate artists.

WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., program for children; 6:45, WHAM, Eastman theater orchestra; 7:30, Book of Knowledge program; 8:05, operatic quartet, Eastman School of Music, WHAM.

WHN, New York, N. Y. (361.2m-830kc), 7-7:30 p. m., Ted Lewis and his orchestra; 7:30-8, Burr McIntosh, "The Cheerful Philosopher"; 8-9, Calvary Baptist church services; 10-10:30, Roseland dance orchestra; 12-12:30 a. m., Cotton club orchestra; 12:30-1, Harry Richman and his entertainers.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:45 a. m., setting-up exercises; 7, setting-up exercises; 10:30, reducing exercises; 1 p. m., Gimbel tea room orchestra; 3, Nicoli and Caroline Sherwood Montani studios recital; 6:05, Benjamin Franklin hotel concert orchestra; 7, Uncle Wip's bedtime stories.

WJAR, Providence, R. I. (305.9m-950kc), 10 a. m., Betty Crocker; 1:05 p. m., noon concert; 7:30, band; 9, musicale; 10, Roxy and his Gang.

WKAQ, San Juan, P. R. (340.7m-880kc), 6-8 p. m., municipal band.

WKAR, Lansing, Mich. (285.5m-1000kc), 7:15-8 p. m., "How to Prune the Grape and Why," N. L. Partridge; 8-9, musical program.

WLIT, Philadelphia, Pa. (394.5m-760kc), 12:02 p. m., daily almanac; Stanley theater organ recital; Arcadia cafe concert orchestra; 2, Arcadia cafe concert orchestra; 4:30, recital; 7:30, Dream Daddy's bedtime stories; 9, Philadelphia Rapid Transit band and orchestra; 10, Arcadia cafe dance orchestra.

WMAK, Lockport, N. Y. (266m-1130kc), 7:30-8 p. m., music; 8-9, Mrs. Blanche K. Langhans and friends; 9-10, Coliseum orchestra; 12-1, program, S. Sheldon of Haines.

WMCA, New York, N. Y. (340.7m-880kc), 6-6:30 p. m., Olcott Vail and his Hotel McAlpin string ensemble; 6:30-7:30, Ernie Golden and his Hotel McAlpin orchestra; 7:30-8, talk, J. & T. Cousins shoe styles; 8-8:15, talk, Securities; 8:15-9:15, Dr. King's services; 9:15-10, Glen C. Smith's Paramount orchestra; 10-10:30, talk, National Motor Boat show; 10:30-11, Hofbrau-Haus entertainers; 12-12:30, Jack Denny and his Frivolity orchestra.

WNYC, New York, N. Y. (526m-570kc), 6:30-7:30 p. m., elementary and advanced Spanish lessons; 7:35-8:30, Bernard's New York six; 8:30-10, studio features; 10:10-10:30, lecture.

WOO, Philadelphia, Pa. (508.2m-590kc), 11 a. m., organ recital; 12:02 p. m., Golden's Crystal tea room orchestra; 4:45, organ recital; 7:30, Hotel Sylvania dance orchestra; 8, U. S. Army band; 8:30, Davis Saxophone octet; 9, WOO American male quartet; 9:25, address, Rev. Forest Dager; 10, Fox theater studio program; 10:30, Hotel Sylvania dance orchestra.

WOR, Newark, N. J. (405.2m-740kc), 6:15-6:17 p. m., words often mispronounced; 6:17-6:30, sport talk; 6:30-7:30, Jacques Jacobs' Hotel Shelton ensemble; 8-8:15, topics of the day, Spencer Armstrong of Literary Digest; 9:15-9:30, Dr. Frank H. Vizetelly, lexicographer and editor, New Standard dictionary; 9:30-9:45, Sam Siegel, mandolin virtuoso; 9:45-10, Ballin and Race, piano duo; 10-10:15, Sam Siegel, mandolin virtuso; 10:15-10:30, Ballin and Race, piano duo.

WRC, Washington, D. C. (469m-640kc), 10 a. m., women's hour, WJZ; 12, organ recital, Gertrude Smallwood; 1, Lee House trio, Sam Udrin, director; 4:15, Meyer Davis' Le Paradis band, Cafe Le Paradis; 5, WRC's foolish entertainers, George F. Ross, pianist, and Elisworth Tompkins, baritone; 5:45, Mrs. Nina Reed, "Things Talked About."

WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., dinner concert, Speed Wagon serenaders and Gold Standard ensemble; miscellaneous bulletins.

WTAG, Worcester, Mass. (268m-500kc), 10:30 a. m., musical selections; 10:45, talk to housewives, Mrs. Lydia Flanders; 12:05-2, noonday luncheon music, WTAG orchestra, Will Hardy, director; 3-5, Tea Dansant music, WTAG orchestra; 7, talk, Robert K. Shaw; 7:15, "The Twinkle Twinkle Story Teller"; 7:30, talk, Harold Whitehead; 7:45, Spanish lesson, Mrs. De La Parra; 8:30-9, Davis Saxophone octet, WEAF; 10, musical program, "Roxy and his Gang."

WTIC, Hartford, Conn. (475.9m-630kc), 6:30 p. m., dinner concert; 8, Connecticut Coast Guard band; 9, "Mathematics—What Is It For," Prof. Burton Howard Camp.

WWJ, Detroit, Mich. (352.7m-850kc), 7:30, 8 a. m., setting-up exercises, R. J. Horton; 9:30, tonight's dinner, special talk; 10:45, Betty Crocker home service talk; 12:05 p. m., Jules Klein's Hotel Statler orchestra; 3, Detroit News orchestra; 6, dinner concert; 8, News orchestra, soloists; 9, dance program; 10, Roxy and his Gang.

Central Time Stations

CKY, Winnipeg, Can. (384.4m-780kc), 7:30 p. m., CNRW program.

CNRW, Winnipeg, Can. (384.4m-780kc), 8 p. m., Irvine J. H. Waugh, contralto; H. J. Hooke, pianist; 9:20, Plumm and his Fort Garry hotel orchestra; 9:40, Hazel Mills, soprano; Emile Mignacca, violinist; Mrs. Irvine Plumm and his Fort Garry hotel orchestra.

KFAB, Lincoln, Nebr. (340.7m-880kc), 8:30-10:30 p. m., Harriett Cruise, oriole of the air; Olive Fletcher, Ruby Teater, pianists; Mareldine Schmidt, blues singer; "Slick" Merriam, vocal and piano; Cow Bell boys, violin and guitar; Belshaw's orchestra; Waikiki trio, Hawaiian entertainers.

KFKX, Hastings, Nebr. (288.3m-1040kc), 1 p. m., "Dairy Day," farm school paper; 5:30, dinner concert, KDKA; 9, musical program.

KFMQ, Fayetteville, Ark. (299.8m-1000kc), 8 p. m., Loraine Allen, Queen of the Ivories.

KFNF, Shenandoah, Ia. (266m-1130kc), 3:30-4 p. m., flower talk, Helen Fischer; 7, concert, Henry Field Seed company.

KFUO, St. Louis, Mo. (545.1m-550kc), 9:15 p. m., "What Must I Believe and What Must I Do to Be Saved?" Rev. W. Wilk.

KFVE, University City, Mo. (240m-1250kc), 9:15 p. m., Woman's National exposition; dramatic readings, Romaine Fielding; Paul, Jack Snyder; Dave George, organist.

KMA, Shenandoah, Iowa (252m-1190kc), 11:30-12:30 p. m., noonday rural program; talk, Earl E. May; music; news; 5:30, travelogue, G. H. Van Houten; 6-7, domestic science talk, Le Ona Teget; music; news; 9, Wm. Cunningham, Scotch songs; Babe and Bobbie Riddle, singers and clog dancers.

KPRC, Houston, Tex. (286.9m-1010kc), 12 noon, Lions' club luncheon program; 5:30 p. m., Uncle Judd's Kiddies' hour; 7:30, Fatty Martin's End O'Main dance orchestra; Mark A. Westcott, vocal entertainers; 8:30, Dr. Earle J. Shay, tenor; J. Harry Kobusch, composer-pianist; 11, Mrs. J. T. Spencer, contralto.

KSAC, Manhattan, Kans. (340.7m-880kc), 9-9:25 a. m., music, inspirational talks, agricultural primer, calisthenics; 9:55-10:25, readings, backyard gossip, question box; planning today's meals; 12:35-1:05 p. m., readings, question box; "A Survey of the Present Grain Market," E. A. Stokdyk; "Tile Drainage," Claude K. Shedd; 4:30-5, basketball lectures; 6:30-7:30, sports, inventions; Agricultural Journalism, Extension credit course; "How Improved Roads Pay," M. W. Furr; "Saving Gasoline and Oil," Ray Flagg.

KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., "Fur Hour" program, Hotel Statler orchestra; 8, WEAF "Good Will" program.

KTHS, Hot Springs National Park, Ark. (374.8m-750kc), 12:30-1 p. m., orchestra; 9-9:15, contralto solos, Mrs. Al Belding; 9:15-10, concert, New Arlington hotel grand ensemble, violin solos, Lon Chassey, John C. Heyn, accompanist; 11-12, frolic, Southerners' Majestic hotel orchestra.

KYW, Chicago, Ill. (535.4m-560kc), 6:30-7 a. m., morning exercises, Paul A. Leonhardt; 7:30, morning family worship, Y. M. C. A.; 11:35, table talk, Mrs. Anna J. Peterson, Peoples Gas company; 12:05 p. m., concert; 1, luncheon concert, Congress hotel; 6, dinner music, KDKA; 7:05, bedtime story, Walter Wilson; 7:30, music program, KYW; 8, musical program, Congress hotel; 12, Henri A. Keates, organlogue, McVickers theater; 1, Insomnia club, Congress hotel.

WAMD, Minneapolis, Minn. (244m-1230kc), 12 m., classical program; Hazel West, soprano; Beatrice Wilson, accompanist; Beata Hanson, violinist; Mrs. Hanson, accompanist; trio; Mildred Clyborne, contralto; Mrs. R. Brastad, soprano; Ruby Pierce, mezzo-soprano; Gladys Clyborne Iverson, accompanist; 7:05, "What Prominent Outsiders Think of Minneapolis and the Great Northwest"; 7:10, classical program; W. E. Peterson, baritone; Ida Sorenson, contralto; Margaret Arnold, soprano, pianist; 9, special program, Garrick theater organ recital, Jack Malerick; 11, Skyrocket frolic, George Osborn's Hotel Radisson Skyrockets.

WBBM, Chicago, Ill. (266m-1330kc), 4-6 p. m., Valentino inn orchestra; artists; 8, string trio; Moulin Rouge orchestra; 12-2, artists; Two Jays.

WBCN, Chicago, Ill. (266m-1130kc), 10-10:30 a. m., Penny Wise, the shopper's ready helper, shopping talk; 7-8, classical hour; Emity Stone, violinist; Ada Mae, tenor; Ethel Eaves Price, soprano; Alice McMahon Stone, accompanist; Lemmyon Amoureaux, French tenor; Ethel Eaves Price, soprano; Alice McMahon, contralto; Margaret McArthur, pianist; John Williams, baritone.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 10:45 a. m., home service talk, Betty Crocker; "Polly Put the Kettle On"; 2, woman's hour, "Opportunities for Boys and Girls"; 2:30, afternoon concert; 4, reader's club, Eleanor Poehler; 5:30, children's hour; 7, mid-week church service, Intermin Calvary Baptist church, Rev. W. T. Dorward, pastor; 8, program, WEAF, Ipana troubadours; 9, traffic safety talk, "The Pedestrian's problems"; 11:30, organ recital, Eddie Dunstedter.

WDAF, Kansas City, Mo. (365.6m-820kc), 10:45-11 a. m., Betty Crocker, home service talk; 6-7, the Tell-Me-a-Story Lady; address, Ralph E. Herrick, director of the Meat Council; music, the Trianon ensemble, Hotel Muehlebach; 8-9, varied musical program; 9-10, classical musical program, the Star's string ensemble; 11:45-1, the Plantation players, Hotel Muehlebach; Eddie Kuhn's orchestra, Kansas City Athletic club.

WDOD, Chattanooga, Tenn. (256m-1170kc), 6:30-7 p. m., organ music, Tivoli theater; 7-8, Hotel Platten orchestra; 8:15, special features and program.

WEAO, Columbus, O. (283.8m-1020kc), 4 p. m., story hour for shut-ins, Prof. Sada Annis Harbarger; 8, "Child Psychology," Prof. H. H. Goddard; 8:15, music; 8:30, "Personal Experiences in South America," Prof. Glen B. Barr; 9, May Furniture company girl's orchestra.

WEBH, Chicago, Ill. (370.2m-810kc), 11:30-12 m., woman's half hour; 3-4 p. m., special features; 7-8, Oriole orchestra; Florence Behrend, soprano; Frank Bordner, baritone; 11-12:30, Oriole orchestra; Irene Beasley; Edgewater Beach hotel orchestra.

WENR, Chicago, Ill. (266m-1130kc), 6-7 p. m., daily dinner concert; Rauland-Lyric trio; Russell Hendrickson, cellist; soprano solos; 8-10, popular program; All-American Pioneers; Archie Bowls, tenor; J. E. Peterson, basso; Helen Hart, soprano; Claire Gorska Geis; Art Bilquist, popular songs; 12-2, midnight frolic; All-American Pioneers; Frank Westphal, Marke Tulley, banjo and sax duets.

WFAA, Dallas, Tex. (475.9m-630kc), 12:30-1 p. m., Sears-Roebuck agricultural foundation program.

WGES, Oak Park, Ill. (250m-1200kc), 5-7 p. m., basso, pipe organ, tenor; 8-9, orchestra, contralto; 11-1, Coyne serenaders, comedian, organ, tenor, piano, orchestra.

WGN, Chicago, Ill. (302.8m-990kc), 11-11:30 a. m., household hints; 11:30-12, fashion discussion; 12-12:40, public service period; 12:40-2:30, luncheon concert, Drake concert and Blackstone string quintet; 2:30-3, Lyon and Healy artists; 3-3:25, auction bridge game; 4:15, tea time music, Marshall Field tea room orchestra; 4:30-5, organ recital, Edward Benedict, Kimball organ; 5:30-5:57, Skeezix time; 6:30-7, dinner concert, Drake concert ensemble and Blackstone string quintet; 8-9, music hour; 9-10, Roxy and his gang, WEAF.

WHAD, Milwaukee, Wis. (275m-1090kc), 11 a. m., pianologue, Andy Hertel; the Housewife; 4 p. m., "With the Humorists," John R. Wolfe; Mrs. Marie Weiss, pianist; Linda Hering, saxophone; 6:15-7, Arthur Richter, organist; 10:30-11:30, popular dance hits, Dexter's Wisconsin and Elger's Creole roof orchestras; 11:30-12:30 a. m., Edmund Fitch, organist.

WHAS, Louisville, Ky. (399.8m-750kc), 1-2 p. m., Barney Rapp's orchestra; 3-3:30, Mrs. Myrtle Fulks Zahn, Jr., organist; 4-5, Music Box; editorials; 7:30-9, K. & I. orchestra.

WHB, Kansas City, Mo. (365.6m-820kc), 2-3 p. m., Morrell Moore, organist; 7-8, artists, Mrs. Katherine Turner, director; Robert Shaw, Jr., Mrs. Leon Hinkle, Dorothy Imler, Ruth Wenne, Lois LeBlonde, Eugene Bartlett, Virginia Bartlett, automotive extension lesson, John Burns.

WHO, Des Moines, Ia. (526m-570kc), 6:30-7:30 p. m., Reese-Hughes orchestra; 7:30-9, Capitol theater; Norman Jackson, guitarist; Wendell Reed, Herbert Kale, harmony singers; Kate Miller, whistler; Maude Hughes, accompanist; Elks Charity ball.

WHT, Chicago, Ill. (399.8m-750kc), 10 a. m., women's club, Jean Sargent; Borden's health talk; music; 10:45, home service, Betty Crocker; 11, drama league talks; 11:15, one act play; 12, organ recital, Al Carney; 6-7:30 p. m., Jean Carlson; Peter Porstner; Pauline Peebles; Grayling's string trio; Edwin Kemp, tenor; (238m-1260kc), 7:45-9:15, Alamo orchestra; (399.8m-750kc), 9:30, organ recital, Al Carney; Hickey and Johnson, harmony; Hawaiian; Manoloff Russian string quartet; Ray Lawson, tenor; Chez Pierre orchestra; Ruby Rossinia, popular songs; 10:10, Ray-O-Vac entertainment; 12, "Your Hour League," Pat Barnes and Al Carney.

WIBO, Chicago, Ill. (266m-1330kc), 10-11 a. m., shoppers' bureau, Grace Viall Gray; 2-4 p. m., popular shut-in program; 6-8, dinner concert, Walter Preston; WIBO trio; Florence Osterman, contralto; Christopher Hendra tenor; Hicky and Johnson, Marie Wright, Lenore Friedman, Pearl Holzman, Prof. Black.

WJJD, Mooseheart, Ill. (370.2m-820kc), 4-5 p. m., Mooseheart hour; music, younger children; daily assembly of 1,256 children; factulty talks; 6-7, instrumental hour, Howard L. Peterson, playing Geneva organ; the Palmer Symphonic players; Palmer House Victorians; 8-9, Mooseheart children's hour, music, children of all ages, solos, band, etc.; talk, Matthew P. Adams; 12:30-1:30 a. m., settin' up hour, Garod studio, Palmer House; Palmer House Victorians.

WKAF, Milwaukee, Wis. (261m-1150kc), 10-11 p. m., Campus Skylarks; Orpheus quartet; Harvey F. Steffel, banjoist.

WLIB, Chicago, Ill. (302.8m-990kc), 7-8 p. m., dinner concert; 11-12, popular program; 12-1, dance program.

WLS, Chicago, Ill. (344.6m-870kc), 12-1 p. m., WLS studio trio; 6:10, organ; 7, lullaby time; Ford and Glenn; 7:15, WLS trio, "Famous War Song;" 7:15, Rhodeheaver program; 8:15, Tony Corcoran, baritone; 8:30, Ford and Glenn, "Scotland Songs;" 9, Chicago Little symphony; 11, WLS circus.

WLW, Cincinnati, Ohio (422.3m-710kc), 7:30 a. m., healthful exercises, William Stradtman; 8, morning devotions, auspices of the Parkway Y. M. C. A.; 12:05 p. m., musical novelties, Irene Downing, player roll artist; 3, Kroger cooking chats, Judith Anderson, "Shut-in program," directed by William Duning; 7, concert, Hotel Gibson orchestra, Robert Visconti, director; 7:30, address, representative of the Ohio Farm Bureau federation; 11, "The Boys from Home," Ronald West James Buchanan, popular songs; 11:15, musical news, Johanna Grosse, editor and organist; 11:40, pianologues, Newport, Carl Bamberger.

WMAQ, Chicago, Ill. (447.5m-670kc), 12:45 p. m., Radio farm school; 1, Chicago Association of commerce luncheon; 2, shut-in program; 4, recipes, E. O. Hillor; 4:30, Cosmopolitan school of music; 6, Chicago theater organ; 6:30, Story lady; 7, lecture, Northwestern university; 8:30, Mrs. Helen Eddy, soprano; 9, WMAQ players; 9:55, chimes.

WMBB, Chicago, Ill. (250m-1200kc), 7-8 p. m., Trianon duo; male quartet; Veronica Krebs, contralto; Preston Graves, concert pianist; semi-classical program; 9-10, Trianon orchestra, Dell Lampe, director; Woodlawn theater orchestra, Armin F. Hand, director; Vella Cooke; Cecil and Esther Ward, Hawaiian guitarists; Wilson and Davis; Billo Allen Hoff, popular program.

WNAD, Norman, Okla. (254m-1180kc), 12:30 p. m., vocal selections, Zane Mentzer; Spencer Norton, pianist; 12:50, "History of Oklahoma," Dr. E. E. Dale; 3:30, Boomers; 7:20, "Jupiter," a popular course in astronomy and mythology, Professors Moseley and Hassler; 7:40, home economics, Vera I. Moore; 9, Little symphony; 11, Collegians; 12 m., Sooners.

WOAI, San Antonio, Tex. (394.5m-760kc), 3 p. m., musical program; 8:30-9:30, Army night, musical program, Fort Sam Houston.

WOAW, Omaha, Nebr. (526m-1000kc), 12:45 p. m., Phyllis Griswold, organist, Rialto theater; 1:10, Alamito dairy service.

WOC, Davenport, Iowa (483.6m-620kc), 12:15-12:25 p. m. Radio farm school; 3-3:30, home management, Aunt Jane; 4-4:45, "All Nations"; 5:45-6, chimes; 6:30-7, "Beagle Hounds and Beagling," Earl C. Dutro; 9-10, Erwin Swindell, organist, Norwegian and German selections; Ed. J. Bettendorf, pianist, French and popular English selections.

WOI, Ames, Iowa (270m-1110kc), 12:30 p. m., college chimes, 12:15, Prof. H. A. Bittenbender, discussion of poultry husbandry.

Atwater Kent Program, January 24, over WEAF and Chain*

New York Symphony Orchestra
Walter Damrosch, conductor

I

Note: Mr. Damrosch will say a few words preceding each number.
Overture, "Le Roi d'Ys".....Lalo

II

Allegretto from Symphony No. 8.....Beethoven

III

March Movement from Symphony No. 6 ("Pathetique").....Tschaikowsky

IV

a. Chinese Dance from "Nutcracker Suite".....Tschaikowsky
b. Entrance of the Little Fauns from the ballet "Cydalise".....Pierne

V

Symphonic Poem "Les Preludes".....Liszt

*The WEAF chain for the Atwater Kent hour (9:15 p. m. eastern, 8:15 p. m. central time) includes WEAF, WOO, WGR, WCAE, WCAP, WJAR, WTAG, WGN, KSD, WCCO, WOC, WSAI, WEAR, WEEI, WWJ.

The New York symphony orchestra, directed by Walter Damrosch, above, is the Atwater Kent gift this week from WEAF chain. The detailed program is given at the left.

ROBERT BURNS MEMORIAL AT WTIC

Wednesday, January 27

WOK, Chicago, Ill. (217.3m-1380kc), 4:30-7 p. m., Capitol theater organ; Tearney's Town club Twilight Dansant; Lillian Knowles, contralto; Edwin Kemp, tenor; 11-1:30 a. m., Tearney's Town club orchestra; Carl Lorraine's Pershing Palace orchestra; Husk O'Hare's Cocoanut Grove orchestra; Capitol theater program; studio program.

WORD, Batavia, Ill. (275m-1090kc), 7 p. m., program; readings from "The Harp"; 9-10, service; 9:20, "The Great Pyramid," C. H. Swingle.

WOS, Jefferson City, Mo. (440.9m-680kc), 8 p. m., "Do Good Schools Pay?" Charles A. Lee; Flower City quartet.

WQJ, Chicago, Ill. (447.5m-670kc), 11-12 n., "Avoiding Communicable Diseases," Dr. Alice Conklin; talk, Marie K. Johnson; 3-4 p. m., "Using Up the Sour Milk," Helen H. Downing; Lavina Price, pianist; "Painless Reducing," Jean K. Rich; 7-8, Rainbo Gardens orchestra; Dorothy Paxton, contralto; Jean St. Anne, baritone; Christian A. Grimm, pianist; Agnes Pringle, violinist; Jessie Pringle, accompanist. Ginger hour.

WSAI, Cincinnati, Ohio (325.9m-920kc), 7 p. m., chimes, Robert Badgley; 7:15, art talk; 7:30, Davis saxophone octet; 11:15, Congress Playing card string quartet.

WSB, Atlanta, Ga. (428.3m-700kc), 10:45 p. m., Biltmore Salon orchestra.

WSM, Nashville, Tenn. (282.8m-1060kc), 6:30 p. m., concert, Francis Craig's orchestra; 7, bedtime story; 8, St. Anne's Episcopal church choir.

WSOE, Milwaukee, Wis. (246m-1220kc), 5 p. m., news and sport reports, Badger Crier; 5:30, twilight hour, Agnes Roets, marimba-soloist; Olga LaBelle, pianist; Aunt Julie, children's stories; 9, vocal selections, John H. Brown, basso; "Electric Spark" discharges; "Contacts," S. O. E. alumni; current topics, S. O. E. faculty members; Radio dictionary; "Electrospect," F. A. Vaughn; musical selections, Miss Bohrmich, violinist; Miss Steulpnagel, pianist; Reily Brothers, "Harmonic-Duo"; H. Hauge, baritone; 9:50, report of Wisconsin Humane society, W. J. Detloff; musical selections, Mary Heimlich, pianist.

WSUI, Iowa City, Iowa (483.6m-620kc), 9 a. m., high school assemby; 12:30 p. m., Ruth Evans, soprano; 7:30, musical program.

Mountain Time Stations

CFAC, Calgary, Can. (435.8m-690kc), 8-9 p. m., Jack Rushton's serenaders.

KFWA, Ogden, Utah (261m-1150kc), 4-5 p. m., organ recital, Paramount theater; 5-6, Ogden Radio Dealers program; 9-10:30, music, Paramount theater; 10:30-12, Olie Reeves and his orchestra.

KOA, Denver, Colo. (322.4m-930kc), 12:15 p. m., Rialto theater musicale; 6:30, dinner concert, Brown Palace string orchestra, Howard Tillotson, director; 7:30, Book of Knowledge; 8, studio program; KOA orchestra, Blue Bell quartet and other artists; 10, dance program, Broadmore Rhythm Rustlers, Eber Grubb, leader.

Pacific Time Stations

KFI, Los Angeles, Calif. (468.5m-640kc), 5:30-6 p. m., Johnnie Mitchell's Darktown syncopators; 6, nightly dongs; 6:15, KFI's Seeing California; 6:30, vest pocket program; 6:45, Radiotorial period; 7, Nick Harris detective story; 7:20-8, Al Wesson and his dance orchestra; 8-9, program, Ventura Refining company; 9-10, All-American string quartet; 10-11, Patrick-Marsh dance orchestra, Betty Patrick, soloist.

KFOA, Seattle, Wash. (453.3m-660kc), 6:45-8:15 p. m., Sherman, Clay and company, studio program; 8:30-10, Times studio program.

KFON, Long Beach, Calif. (233m-1290kc), 4:30-5 p. m., amusement bulletin; 6-6:30, organ, Brayton's theater; 8-9, Press-Telegram program, L. D. Frey.

KFWB, Hollywood, Calif. (252m-1190kc), 5-6 p. m., children's hour, Big Brother of KFWB; 7-7:30, Mutual Motors joke contest; 7:30-8, microphone brevities; 9-10, Bill Hatch and his Oakmont Country club dance orchestra; 10-11, Warner Brothers frolic, direction, Charlie Wellman.

KGO, Oakland, Calif. (361.2m-830kc), 7:15-7:30 a. m., health training exercises, Hugh Barrett Dobbs; 7:45, "Pep Class," Hugh Barrett Dobbs; 8:15-8:30, health training exercises, Hugh Barrett Dobbs; 8:30, daily strength; 8:45, Mme. Elfrieda Wayne, inspirational songs; 3-4 p. m., boys' glee club, Grace Gantt, director; speaker, Williams institute; Robert Norman, tenor; Norah C. Hansen, soprano; 4-5:30, concert orchestra, Hotel St. Francis, Vinton La Ferrera, conductor; 5:30, Mr. Fix-It; 6-6:55, dinner concert, Knickerbocker trio; 6:55, news items.

KGW, Portland, Ore. (491.5m-610kc), 7:15 a. m., physical culture exercises; 10:30-11:30, Town Crier; news items and shopping guide; 12:30-1:30, concert, Oregon Radio Trades association; 6-7, dinner concert, Olds, Wortman & King Co.; 7:30-7:45, news items and sporting results; 9-10, concert; 10-11, concert, Sherman, Clay & Co., duo-art studio.

KHJ, Los Angeles, Calif. (405.2m-1190kc), 6-6:30 p. m., Leighton's Arcade cafeteria orchestra, Jack Cronshaw, leader; 6:30-7:30, history story, Prof. Hertzog; Mickey McBan, screen juvenile; Vivian Marple, readings; Glenn Fitz and Uncle John; 7:30, Dr. Mars Baumgardt, scientific lecturer; 9-11, program, Martin Music company, Ruth Pitts, soprano; John Martin, pianist.

KMTR, Hollywood, Calif. (238m-1260kc), 5-6 p. m., home hour, Mammy Simmons and the naborhood children and pupils of Geraldine Kasal; 9-10, KMTR concert hour, the Turner orchestra, direction Loren Powell; Rondeau male quartet; 10-11, Starr Piano company studio.

KNX, Hollywood, Calif. (336.9m-890kc), 5-5:30 p. m., Sunny Jim's talk; 5:30-6:15, Wurlitzer pipe organ studio; Town Tattler; 6:15, travel talk, W. F. Alder; 6:30-7, Atwater Kent concert orchestra; 7-8, program, Security Trust and Savings bank; 9-10, program, John A. Vaughn corporation; 10-11, dance music.

KOAC, Corvallis, Ore. (280.2m-1070kc), 7:20 p. m., musical selections; 7:30, "Rugs," Blanche Stevens; 7:45-8, "Exercises in Relation to Beauty," Florence Errant.

KPO, San Francisco, Calif. (428.3m-700kc), 1-2 p. m., Rudy Seiger's Fairmont orchestra; 2-3:30, program, Fairmont hotel; 5:15-6:15, children's hour; 6:40-7, Waldemar Lind and the States restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel orchestra; 9-10, Atwater Kent artists, orchestra numbers and vocal solos; 10-11, program, dance music, Goodrich Silvertown Cord orchestra.

KTAB, Oakland, Calif. (240m-1250kc), 9-9:30 a. m., prayer service, Rev. G. W. Philips; 12-1, luncheon concert.

KWSC, Pullman, Wash., (348.6m-860kc), 7:30 p. m., men's quartet, Wallace Buchanan, Lloyd Moss, Ray Kalkwarf, John King; Elmo Kennedy, pianist; "Work of Home Demonstration Clubs in 1925," Elmina White; "Light and Electricity, No. 3: Photoelectricity," Dr. H. B. Briggs; "Appreciation," W. T. McDermitt; "Evolution in Horticultural Plants," O. M. Morris; book reviews, Alice Lindsey Webb.

Thursday, January 28

Eastern	Central	Mountain	Pacific	
8:30 p. m.	7:30 p. m.	6:30 p. m.	5:30 p. m.	
				KDKA (309.1m-970kc) Little symphony.
				WHAS (399.8m-750kc) Kentucky Ramblers.
9	8	7	6	
				KDKA (309.1m-970kc) Northside Choral club quartet.
9:30	8:30	7:30	6:30	
				WBZ (333.1m-900kc) Mme. Laura LeVeille, pianist.
9:45	8:45	7:45	6:45	
				WMC (499.7m-600kc) Cortese ensemble.
10 p. m.	9 p. m.	8 p. m.	7 p. m.	
				WGY (379.5m-790kc) Radiola quartet.
				WHB (365.6m-820kc) Ukulele songster.
10:10	9:10	8:10	7:10	
				WIP (508.2m-590kc) Musical numbers of foreign countries.
12 m.	11	10	9	
				KGO (361.2m-830kc) "The Federal Eagle," patriotic play.

Thursday, silent night for: CHIC, CKNC, CNRA, CNRE, CNRO, CNRR, CNRT, CNRV, CNRW, KFAB, KFAU, KFDM, KFEQ, KFMX, KFOA, KFUO, KFVE, KFWA, KGW, KLDS, KLX, KOA, KOAC, KOB, KWSC, PWX, WAFD, WAHG, WCAP, WCEE, WDOD, WEAO, WEBJ, WEBW, WHAD, WHAZ, WJJD, WLIT, WOAI, WOR, WSM, WSUI, WTAM.

Eastern Time Stations

6KW, Twinucu, Cuba (338m-890kc), 10-11 p. m., American dance music.

CNRA, Moncton, Can. (291.1m-1030kc), 8 p. m., CNRA orchestra; Helen Grant, violinist; Mrs. Irvine Malcolm, pianist; George Ross, organist; Mrs. Harold N. Price, contralto; 10, international.

KDKA, Pittsburgh, Pa. (309.1m-970kc), 7:15-8 a. m., morning exercises, O. Shannon, director; 12:20, Trinity Church institute; 5:45, Uncle Ed; 6:30, dinner concert, KDKA Little Symphony orchestra, Victor Saudek, conductor; 8, news items; 8:15, farm program; 8:30, "Johann Back," famous composers; 9, concert, KDKA Little Symphony orchestra, Victor Saudek, conductor; Mrs. Grace D. Mahoney, soprano; Mrs. Eda Reed, contralto; Norman Hardy, tenor; Calvin Timson, bass.

WBAL, Baltimore, Md. (246m-1220kc), 6-6:30 p. m., children's program; "Animals That Talk and Sing," Hazel Knox; 6:30-7:30, dinner program, WBAL orchestra, Robert P. Iula, conductor; 7:30-8, musical program; organ recital, Peabody Conservatory of Music; Frederick D. Weaver, organist; 8-10, musical program; Adele Shaefer, contralto; Elizabeth Stidman, soprano; William Miller, tenor; Julius Sokolove, violinist; George Bolek, pianist; James Wilkinson, baritone.

WBBR, New York, N. Y. (272.6m-1100kc), 8 p. m., Josephine Locke, violinist; 8:10, Elizabeth Paul, soprano; 8:20, Bible lecture, "God's New Kingdom," J. E. Dawson; 8:40, Elizabeth Paul, soprano; 8:50, Josephine Locke, violinist.

WBZ, Springfield, Mass. (333.1m-900kc), 6:30 p. m., Little Symphony orchestra, KDKA; 7, Hotel Lenox ensemble; 7:30, Edwin J. McEnelly and his orchestra; 8, Leo Reisman's orchestra; 9, Helen D. Porter, soprano; Mrs. Raymond Walter, accompanist; 9:30, Madame Laura LeVeille, pianist; Phillipe Le Veille, violinist; 10:05, McEnelly and his Victor Recording orchestra.

WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert, William Penn hotel; 7:30, children's period; 8, Larkin period, WEAF; 8:30, Hires Voyageurs; 9, Clicquot club entertainers; 10, concert, Silvertown Cord orchestra.

WCAU, Philadelphia, Pa. (278m-1080kc), 6:30 p. m., Billy Hayes and his Cathay Tea Garden orchestra; 7:30, Snellenburg Symphony orchestra; 8, Mitchell Gondolier; 8:15, Eddie Cox and his Mask and Wiggers of U. of Pennsylvania; 8:45, Kandy Kids; 9, Barry O'Moore, tenor; 9:30, Musical Chefs; 9:45, Burlesque lessons, Professor Doolittle; 10, Sesqui Centennial hour.

WCX, Detroit, Mich. (516.9m-580kc), 6 p. m., dinner concert, Book-Cadillac hotel; 8, studio program.

WEAF, New York, N. Y. (491.5m-610kc), 6:45-7:20 a. m., Tower Health exercises, also through WEEI, WCAP; 11-11:10, musical program; 11:10-11:20, "Every Day Fish Menus," Mrs. Ada B. Vail of Middle Atlantic Fisheries; 11:20-11:30, "Miss Megowan's Mayfair Extension Talk"; 11:30-12, "Cookery," Columbia university; 4-4:15 p. m., Maybelle Korman, contralto, accompanied by Winifred T. Barr; 4:15-4:30, Julius Koehl, pianist; 4:30-4:45, stories and songs for children, Beatrice S. Waltz; 4:45-5, "Camping for Boys and Girls," Irving M. Fish; 6-7, dinner music, Hotel Waldorf-Astoria; 7-7:30, midweek hymn sing, Greater New York Federation of churches; 7:30-8, the Smith brothers; 8-8:30, the Larkinites, WEEI, WFI, WCAE, WGR, WOC, WWJ, WCCO, WTAG, KSD, WEAR; 8:30-9, Hires Harvesters, WEEI, WFI, WCAE; 9-10, Clicquot Club Eskimos, WEEI, WJAR, WTAG, WFI, WCAE, WSAI, WEAR, WGR, WWJ, WOC, WCCO, KSD, WGN; 10-11, Silvertown Cord orchestra, under direction Joseph Knecht, WEAR, WEEI, WGR, WWJ, WFI, WTAG, WOC, WCCO, KSD, WCAE, WJAR, WADC, WSAI, WLIB; 11-12, silent for International Radio tests.

WEAR, Cleveland, Ohio (389.4m-770kc), 11 a. m., home service talk; 11:30, farm talk; 7 p. m., Hotel Statler concert orchestra, Maurice Spitalny, director; 8, Larkinite Four, WEAF; 8:30, Workrite Radio artists; 9, Clicquot club, WEAF; 10, Vincent Percy, organ recital, assisted by artists.

WEEI, Boston, Mass. (348.6m-860kc), 3 p. m., Lou Kalyman and his orchestra; 6, Dok Eisenbourg and his Sinfonians; 6:45, Big Brother club; 7:30, musicale; 8, Larkinites; musicale; Clicquot club entertainers; 10, Silvertown Cord orchestra, WEAF.

WFI, Philadelphia, Pa. (394.5m-760 kc), 1 p. m., tea room ensemble; 3, Philadelphia Mothers' club; 6:30, Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra; 8, "The Larkinites"; 8:30, Hires Harvesters; 9, Clicquot Club Eskimos; 10, Silvertown Cord orchestra.

WGBS, New York, N. Y. (315.6m-950kc), 10-10:10 a. m., timely talks with Terese; 10:10-10:20, Lorna Leeds, soprano; 10:20-10:30, Better Homes talk; 1:30-2 p. m., Crescent City trio; 3-4, woman in the home; 6-6:30, Uncle Geebee; 7:45-8:30, Crystal Palace orchestra; 8:30-9, Oliver Sayler, book and play reviews.

WGCP, New York, N. Y. (252m-1190kc), 3-3:15 p. m., Elvira Rosa Geiger, pianist; 3:10-3:20, race results and news items; 3:20-3:30, David and Gallasi, songs; 3:30-4, Symphony orchestra; 4-4:15, Harold Glenn, whistler; 4:15-5, White Rose Melody Boys; 5:10-5:30, Sylvia Schatz, pianist; 8-9, Charles Strickland's orchestra; 9-9:30, San Angarolla and Eddie Collins, ukulele and guitar duets; 9:30-9:45, Bernard Fromensen and Mme. Bertha Kalish, tenor and soprano duets; 9:45-10, Piotti Val and Lloyd, songs; 10-10:15, Arthur Richter, pianist; 10:15-10:30, Mario Alvarez, tenor; 10:30-11, Charles Strickland and his orchestra.

WGHP, Detroit, Mich. (270m-1110kc), 6 p. m., dinner concert, Hotel Tuller; 8, Dodge Brothers band; 10, popular concert, Skylark dance band, Wolverine quartet; George Lamb, Charlie Mitchell, Mildred Pickard.

WGR, Buffalo, N. Y. (319m-940kc), 2:30 p. m., WGR's afternoon program; 6:30, Vincent Lopez' Hotel Statler dance orchestra, Harold Gieser, director; 8, jointly with WEAF, the Larkinites; 9, jointly with WEAF, Clicquot Club Eskimos, Goodrich Silvertown Cord orchestra, Joseph Knecht, director.

WGY, Schenectady, N. Y. (379.5m-790kc), 2 p. m., "Simple Tricks That Take Off Twenty Pounds," Frances Scudder; 6:30, Ten Eyck concert trio; 7:30, book review, Dr. C. W. Woodall; 7:45, program, Syracuse university, WFBL; 9, Royal Salon orchestra, WJZ; 10, Radiola male quartet, WGY orchestra; 12, Stephen E. Boisclair, organist.

WHAR, Atlantic City, N. J. (275m-1090kc), 2 p. m., Seaside hotel trio; 7:30, lecture period; 8, Seaside hotel trio; 9, vocal and instrumental concert; 11, dance orchestra.

WHN, New York, N. Y. (361.2m-830kc), 12:30-1 p. m., Lexington organ recital; 3:15-4:30, Lexington orchestra; 7-7:30, Iceland orchestra; 7:30-8, Ciro's orchestra; 8-8:30, Will Oakland's Chatheau Shanley; 8:30-9, Sans Gene orchestra; 10:30-11, Club Kentucky orchestra; 12-12:30 a. m., Ted Lewis and his orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:45 a. m., setting-up exercises; 7, setting-up exercises; 10, menu talk, Anna B. Scott; 1 p. m., Gimbel tea room orchestra; 3, artist recital by School of Music and Art; 6:05, Pagoda cafe orchestra; 7, Uncle Wip's bedtime stories; 8, "The Sesqui Centennial." Harry A. Mackey; 8:15, religious services, United Synagogues of America; 10:05, talk, "Believe in and Invest in Philadelphia"; 10:10, international broadcast feature, Ben Stad and his Little Symphony orchestra in program of English, French, Belgian, German and Dutch musical numbers; addresses by counsels of above nations.

WJAR, Providence, R. I. (305.9m-950kc), 1:05 p. m., noon concert; 8, orchestra; 9, Clicquot Club Eskimos; 10, Goodrich Silvertown orchestra.

WKAQ, San Juan, P. R. (340.7m-880kc), 6-8 p. m., Rialto theater musicale.

WKAR, Lansing, Mich. (285.5m-1000kc), 7:15-8 p. m., "The Bankers Opinion of the Dairy Industry," W. B. Heath; "Care of Milk on the Farm," E. D. Scott; "Variations in Cream Tests," P. S. Lucas.

WLIT, Philadelphia, Pa. (394.5m-760kc), 12:02 p. m., daily almanac; Stanley theater organ recital; Arcadia cafe concert orchestra; 2, Arcadia cafe concert orchestra; 4:30, recital; 7:30, Dream Daddy's bedtime stories.

WLWL, New York, N. Y. (288.3m-1040kc), 9-9:30 p. m., Rhea Leddy and William Flusk, songs; 9:30-9:50, "The Play," R. D. Skinner; 9:50-10:15, songs; 10:15-10:35, "Psychoanalysis," Rev. C. Bruehl; 10:35-11, music.

WMCA, New York, N. Y. (340.7m-880kc), 6-6:30 p. m., Olcott Vail and his Hotel McAlpin string ensemble; 6:30-7, Frank Farnum and his Californians; 7-7:20, Jack Cohen, pianist; 7:20-7:30, Pace institute program; 7:30-8:30, Lanson's orchestra; 9:30-9:45, Jack Smith, whispering baritone.

WNYC, New York, N. Y. (526m-570kc), 7:10-7:30 p. m., dance program; 7:35-8, dance program; 8-9, studio features; 9-11, dinner of Hotel Men's association, address, Mayor James J. Walker.

WOO, Philadelphia, Pa. (508.2m-590kc), 11 a. m., organ recital; 12:02 p. m., Golden's Crystal tea room orchestra; 4:45, organ recital; 7:30, A. Candelori's Hotel Adelphia French room orchestra.

WOR, Newark, N. J. (405.2m-740kc), 2:45-3 p. m., "Dogs," Dr. George Watson Little; 6:15-6:17, words often mispronounced; 6:17-6:30, sports talk, Bill Wathey; 6:30-7:30, Jacques Jacobs' Hotel Shelton ensemble.

WRC, Washington, D. C. (469m-640kc), 10 a. m., women's hour, WJZ; 12, organ recital, Homer L. Kitt studios; 1 p. m., Hotel Mayflower orchestra; 6, Hotel Hamilton orchestra; Daniel Chwalow, director; 6:40, agricultural reports; 7, Smithsonian talk; 7:15, New Willard hotel orchestra, WJZ; 8, concert, United States army band, WJZ; 9, Royal Salon orchestra, WJZ, WGY and WCAD; 10, Frederic William Wile, "The Political Situation in Washington Tonight;" 10:30, Meyer Davis' "Swanee" orchestra.

WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., dinner concert, Speed Wagon serenaders and Gold Standard ensemble; miscellaneous bulletins; 8:15, varied musical program; Reo orchestra, Carl C. Cooke, clarinetist; accelerator male quartet; vocal and instrumental olos.

WTAG, Worcester, Mass. (268m-500kc), 10:30 a. m., musical selections; 10:45, talk, Marjorie Woodman; 12:05-2 p. m., noonday luncheon music, WTAG orchestra, Will Hardy, director; 4:30, entertainment for WTAG indoor sports; 5:15, "The Twinkle Twinkle Story Teller"; 7:45, nature talk, Esther Cunningham Averill; 8-8:30, "The Larkinites," WEAF; 10-11, Silvertown Cord orchestra, Joseph Knecht, director.

WTIC, Hartford, Conn. (475.9m-630kc), 6:30 p. m., children's hour, Edna Kimball Heath; dinner concert.

WWJ, Detroit, Mich. (352.7m-850kc), 9:30 a. m., tonight's dinner, special talk; 12:05 p. m., Jules Klein's Hotel Statler orchestra; 3, Detroit News orchestra; 6, dinner concert; 8, concert, WEAF.

Central Time Stations

CKY, Winnipeg, Canada (384.4m-780kc), 10 p. m., dance program, Cliff Menzies and his Collegians.

KFKX, Hastings, Nebr. (288.3m-1040kc), 1 p. m., "Alfalfa—Seeding Time and Now," W. L. Burlison; 5:30, dinner concert, KDKA.

KFKU, Lawrence, Kan. (275m-1090kc), 7 p. m., talk, Prof. Ivan Benson; 7:15, Paul Hansen, violinist; ladies' trio; 7:40, one-act playlet, students of Prof. Allen Crafton; 7:55, campus news.

KFMQ, Fayetteville, Ark. (299.8m-1000kc), 8 p. m., "Painting the Picture of Progress," Prof. Harrison Hale; "Electricity and Agriculture," Prof. W. B. Stelzner; "Dangers of the Meat and Potato Diet," Emma Johnson; "Romanesque Architecture," W. B. Allen; Stories and Story Telling," E. Purnell Wilson; "A Drink of Pure Water," Prof. G. P. Stocker; "How Can We Provide Modern School Buildings," C. M. Reinoehl.

KFNF, Shenandoah, Iowa (266m-1130kc), 7 p. m., Northboro schools, Supt. Butts, director.

KMA, Shenandoah, Iowa (252m-1190kc), 11:30-12:30 p. m., noonday rural program; garden talk, Earl E. May; news, music and popular program; May's flower lady, Lina Ferguson; 4-5, travelogue, G. H. Van Houten; 6-7, popular music; Delmonico Dreamers, dance orchestra.

KMMJ, Clay Center, Nebr. (229m-1310kc), 1:30 p. m., factory and office program; 7:30, mixed program.

KPRC, Houston, Texas (286.9m-1010kc), 12 noon, book talk, Julia Ideson; 12:30 p. m., health talk, Dr. A. H. Flickwir; 5:30, Uncle Judd's kiddies' hour; 7:30, Blanchard's dance orchestra; Claude A. Blanchard, leader; 8:30, Mary Catherine Evans, classical pianist; 9, Mrs. Robert L. Cox, dramatic soprano.

KSAC, Manhattan, Kans. (340.7m-880kc), 9-9:25 a. m., music, inspirational talks, agricultural primer, calisthenics; 9:55-10:25, readings, backyard gossip, question box; planning today's meals; 12:35-1:05 p. m., readings, question box; "Poison Amunition for Jack Rabitts," Roy Moore; "Planning a Cropping System," I. N. Chapman; 4:30-5, botany, high school credit; 6:30-7:30, music; Extension credit course, Educational Psychology; "Cleaning Metals," Lucille O. Rust; "Calves and Pigs vs Boys and Girls," Pearl E. Ruby.

KSD, St. Louis, Mo. (545.1m-550kc), 4 p. m., women's hour, Wednesday club of St. Louis; 6:55, WEAF, "Good Will" program; 7:30, Esmeralda Berry Mayes, pianist; 8:30, WEAF.

KTHS, Hot Springs National Park, Ark. (374.8m-750kc), 12:30-1 p. m., orchestra; 9-9:30, classical selections, Eastman hotel orchestra; 9:30-9:45, organ concert, Lawson Reid; 9:45-10, dance selections, Meyer Davis artists, Lon Chassy, directing; 11-11:30, dance frolic, New Arlington hotel orchestra.

KYW, Chicago, Ill. (535.4m-560kc), 6:30-7 a. m., morning exercises, Paul A. Leonhardt; 7:30, morn-worship, Y. M. C. A.; 11:35, table talk, Mrs. Anna J. Peterson, Peoples Gas company; 1, noon-day concert; 1-2, luncheon concert, Congress hotel; 4, frolic, Hearst square; 6, dinner music, KDKA; 7:05, bedtime story, Walter Wilson; 7:33, speeches, American Farm Bureau federation; 8-8:20, reading, Rev. C. J. Perin, Loyola university; 8:20-9, musical program, Congress hotel; 9, music hour; 1, Insomnia club, Coon Sanders orchestra.

WAMD, Minneapolis, Minn. (244m-1230kc), 12 m., popular musical program; Whitney Nightengale, uke soloist; Mrs. James Barrett, soprano; Henry Evansen, tenor; Night Watchman of Skyrockets; Katherine Grill, contralto; 6:15 p. m., dinner concert, George Osborn's Hotel Radisson orchestra; 9, special program for international tests; 11, Skyrocket frolic, George Osborn's Hotel Radisson Skyrockets.

WBBM, Chicago, Ill. (266m-1330kc), 4-6 p. m., Valentino inn orchestra; singers; 8-10, Tip trio; Ziegler Sisters; Moulin Rouge orchestra; 10-12, Moulin Rouge orchestra, artists and stars.

WBCN, Chicago, Ill. 266m-1130kc), 10-10:30 a. m., Penny Wise, the shopper's ready helper, shopping talk; 7-8, classical hour; Emily Stone, violinist; Ada Mae Stone, accompanist; Lemmyon Amoureoux, French tenor; Ethel Eaves Price, soprano; Alice McMahon, contralto; Margaret McArthur, pianist; John Williams, baritone; 11-1 a. m., Elmer Jordan & Co., Owl matinee.

WCBD, Zion, Ill. (344.6m-870kc), 8 p. m., male chorus, trombone quartet, celestial bells; Ruth Pihl and Lucille Bird, vocal duettists; Ruth Pihl, soprano; Misses Wiedman, Ludlow and Donovan, trios; Carl Newcomer, saxophonist; Carl and P. B. Newcomer, cornet and saxophone duettists.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 12 m., Donaldson's orchestra; 2, among the musicians, H. A. Bellows; 2:30, afternoon concert, State theater; 4, readers' club, Eleanor Poehler; 5:30, children's hour; 7, program, WEAF; The Larkinites; 7:30, musical program; 8, program, WEAF; 8-9, Clicquot Club Eskimos; 9-10, The Silvertown Cord orchestra.

WDAF, Kansas City, Mo. (365.6m-820kc), 3:30-4:30 p. m., the Star's string orchestra; 6-7, Tell-Me-a-Story lady; address, book talk, Louis Mecker; music, the Trianon ensemble, Hotel Muehlebach; 11:45-1 a. m., Carl Nordberg's Plantation players, Hotel Muehlebach; organ numbers, Ted Meyn, Pantages theater.

WEAO, Columbus, O. (283.8m-1020kc), 8 p. m., "Vitamins in the Poultry Ration," Prof. E. L. Dakan; 8:15, Children's story, Uncle Al; 8:30, "Eye Troubles, Eye Strain and Diseases Affecting Vision," Prof. Howard D. Minchin; 9, "Psychology in Advertising and Selling," Prof. H. E. Burtt.

WEBH, Chicago, Ill. (370.2m-810kc), 11:30-12 m., woman's half hour; 3-4 p. m., Uptown theater; 7-8, Oriole orchestra; 11-12:30, Belle Forbes Cutter, soprano; Oriole orchestra; Ruth Buhl Flick, reader.

WENR, Chicago, Ill. (266m-1130kc), 6-7 p. m., dinner concet; Rauland-lyric trio; vocal selections; violin and cello solos; 8-10, popular program; All-American pioneers; Strand harmony entertainers, Vic Fredericks, Rose Kutta, soprano; Will Rossiter, Ray Hibbeler.

WFAA, Dallas, Texas (475.9m-630kc), 12:30-1 p. m., Ernest Wayland, pianist; 4:30-5, Cloyd Griswold, songs and ukulele; 6:30-7:30, Don Bestor's orchestra, dinner music; 8:30-9:30, J. N. Crawford's orchestra and musicians; 11-12, Zedrick Moore singing; Mustang band of Southern Methodist university.

WGES, Oak Park, Ill. (250m-1200kc), 5-7 p. m., pipe organ, classical program; 8-9, orchestra, pipe organ; 11-1 a. m., mezzo-soprano, violin, orchestra, Evans Lloyd, composer; Tiffin organ, pianist, others.

WGN, Chicago, Ill. (302.8m-990kc), 11-11:30 a. m., household hints; 11:30-12, fashion discussion; 12-12:40 p. m., public service period; 12:40-2:30, luncheon concert, Drake concert ensemble and Blackstone string quintet; 2:30-3, Lyon and Healy artists; 3-3:25, public service period; 3:25-3:30, Port o' missing men; 3:30-4:15, tea time music, Marshall Field tea room orchestra; 4:30-5, Edward Benedict, Kimball organ; 5:30-5:57, Skeezix time; 6:30-7, dinner concert, Drake concert ensemble and Blackstone string quintet; 8-9, Clicquot Club Esquimos, WEAF; 9-10, Silvertown orchestra, WEAF.

WGST, Atlanta, Ga. (270m-1110kc), 7-8 p. m., Margaret Battle, soprano; "Correlation of Music and Literature," Dr. W. G. Perry.

WHAD, Milwaukee, Wis. (275m-1090kc), 11 a. m., pianolog, Andy Mertel; 4 p. m., Mrs. Ferne Medley Hansen, vocalist; I. E. Clayton, baritone; 6:15-7, Bill Benning's Milwaukee Athletic club orchestra.

WHAS, Louisville, Ky. (399.8m-750kc), 1-2 p. m., Benson trio; 3-3:30, Mrs. Myrtle Fulks Zahn, Jr., organist; 4-5, Music Box, editorials; 7:30-9, Keith Kennard and his Kentucky Ramblers; Sunday school lesson.

WHB, Kansas City, Mo. (365.6m-820kc), 7-7:45 p. m., Morrell Moore, organist; aviation talk, Harry Wimer; 8-9, Edna Forsythe, director; 9-10, Ukulele Songsters, Harry Taylor, Sam Martin; Mrs. Harry Taylor, pianist.

WHO, Des Moines, Iowa (526m-570kc), 7:30-8, p. m., Raleigh quintet; 8-9, Bankers Life trio; 11-12, Bankers Life Little Symphonic orchestra.

WHT, Chicago, Ill. (399.8m-750kc), 10 a. m., women's club, Jean Sargent; 11, Eva Ray, soprano; Amanda Burlop, pianist; 12, organ recital, Al Carney; 6 p. m., classical program, Al Carney, organist; Grayling's string trio; 6:45, Swedish program; (238m-1260kc), 7:45-9:15, Alamo orchestra; (399.8m-750kc), 9:30, Kitchen Klenzer entertainers, Howard Sershon, tenor; Cook sisters, popular songs; Dave Yates, Hawaiian; 10:10, entertainment; 11, Chez Pierre orchestra, Charles M. Hussey, basso; Hugh Aspinwall, tenor; 12, "Your Hour League," Pat Barnes and Al Carney.

WIBO, Chicago, Ill. (226m-1330kc), 10-11 a. m., shoppers bureau, Grace Viall Gray; 2-4 p. m., shut-in program; 6, dinner concert, Walter Preston; WIBO trio, Chester Newman, baritone; Helen Snyder, soprano, Harriet Hebert, contralto; 7:30-8, Swedish program; 12-2, midnight jamboree.

WJJD, Mooseheart, Ill. (370.2m-820kc), 4-5 p. m., Mooseheart hour, music, younger children; daily assembly of 1,256 children; faculty talks; 6-7, instrumental hour, Howard L. Peterson, playing Geneva organ; the Palmer Symphonic players; Palmer House Victorians; 8-9, Mooseheart children's hour; music by children of all ages, solos, bands, etc.; talk, Matthew P. Adams; 12:30-1:30, settin'-up hour, Garod studio, Palmer House; Palmer House Victorians.

WKAF, Milwaukee, Wis. (261m-1150kc), 8:30-10 p. m., Trixie Ann Troy and her Royal Hawaiians; Hi Coleman's dance orchestra.

WLIB, Chicago, Ill. (302.8m-990kc), 7-8 p. m., dinner concert; 11-12, popular program; 12-1 a. m., dance program.

WLS, Chicago, Ill. (344.6m-870kc), 12-1 p. m., Ford and Glenn; 6:40, Ralph Emerson, organist; 7, lullaby time; Woodshed theater; 7:20, David's Hawaiians; 7:45, Ford and Rush.

WLW, Cincinnati, Ohio (422.3m-710kc), 7:30 a. m., healthful exercises, William Stradtman; 8, morning devotions, auspices of the Parkway Y. M. C. A.; 12:05 p. m., organ concert, Mildred Prigge; 12:30, health talk, Dr. Carl A. Wilzbach; 12:40, songs, Russel (Red) Green, tenor; 4, piano recital, Adelaide Apfel; 7, dinner concert, Hotel Gibson, Robert Visconti, director; 7:30, "The Eyes Have It," Dr. Clarence H. Kaufman; 12, dance music, Castle farm; 12:30, Night Howls, Crosley Sky Terriers, with Kay-nyne, Rin-Tin-Kan and Chief Barker.

WMAQ, Chicago, Ill. (447.5), 12:45 p. m., Radio Farm school; 2, shut-in program; 4, Illinois Federation of Women's Clubs program; 4:45, musicale; 5:15, Topsy-Turvy time; 6, Chicago theater organ recital; 6:30, Hotel La Salle orchestra; 8, concert, pupils, Walter Spry; 8:30, Chicago Association of Commerce talk; 8:40, talk, Julian Arnold; 9, U. of C. lecture; 9:20, Grace Whitney, cellist; Robert Whitney, pianist; 9:55, chimes.

WMBB, Chicago, Ill. (250m-1200kc), 7-8 p. m., Trianon duo; Swedish National night program; Swedish choir, folk songs, semi-classical program; 9-10, Trianon orchestra, Dell Lampe; Woodlawn theater orchestra, Armin F. Hand; Tracy and Duncan, Lucille O'Hara, Tommie Hughes, Bob Bennet, popular program.

WMC, Memphis, Tenn. (499.7m-600kc), 8:45 p. m., Cortese ensemble.

WNAD, Norman, Okla. (254m-1180kc), 12:30 p. m., Jessie Mae Kirk, pianist; Wilda Griffin, vocalist; 12:50, "History of Oklahoma," Dr. E. E. Dale; 3:30, Ramblers; 7:20, "Business Fluctuations and the Forecasting of Business Conditions," A. B. Adams; 7:30, "Appropriate Clothing for Children," Frances I. Evans; 7:40, "Remains of Prehistoric Elephants and Mastadons in Oklahoma," Dr. Charles E. Decker; 9, W. H. Thompson, baritone; Thelma Vineyard, reader; Bernice Gaylord, pianist; Marie Scott, saxophonist; 11, Troubadours.

WOAW, Omaha, Nebr. (526m-1000kc), 12:45 p. m., Jaffy's string quintet; 6, classical; 6:15, Hawaiian trio and soloists; 6:50, Randall's Royal Fontenelle orchestra; 9, De Luxe program; 12, G. R.'s Radio night watchmen.

WOC, Davenport, Iowa (483.6m-620kc), 12:15 p. m., "Alfalfa Seeding Time and How," Prof. W. L. Burlison; 3-3:30, home management, Aunt Jane; 7-7:30, Larkinites, WEAF; 7:30-8, Jeanette Brewbaker, Erwin Swindell, pianist; 8-9, Clicquot Club Eskimos; 9-10, Silvertown Cord orchestra, WEAF; 11-12, LeClaire hotel orchestra; Peter MacArthur, baritone.

WOI, Ames, Iowa (270m-1110kc), 12:30 p. m., college chimes; 12:45, Prof. H. D. Hughes, discussion relating to farm crops; 7:30, Prof. H. D. Hughes, "What Shall I Grow in 1926?"; 7:50, program.

WOK, Chicago, Ill. (217.3m-1380kc), 4:30-7 p. m., Tearney's Town Club Twilight dansant; Capitol theater organ; studio program; 11-1:30 a. m., Tearney's Town club orchestra; Carl Lorraine's Pershing Palace orchestra; Husk O'Hare's Cocoanut Grove orchestra; Capitol theater program; studio program.

WOQ, Kansas City, Mo. (278m-1080kc), 7-8 p. m., Unity educational program; 8-9, concert.

WORD, Batavia, Ill. (275m-1090kc), 8 p. m., Webster hotel trio; 8:15, international Sunday school lesson;

OLD MORALITY PLAY REVIVED AT WGY

Thursday, January 28

8:30, studio recital, Glenn Dillard Gunn School of Music; 9:45-10, readings.

WQJ, Chicago, Ill. (447.5m-670kc), 11-12m., "Some Meat Dishes that Are Different," Erna J. Bertrams; "Well Konwn Poems," Mrs. E. B. Ransom; 3-4 p. m., "Sleigh Ride Party," Helen H. Downing; Mrs. George M. Shirk, authority on electric refrigeration; talk, Mrs. Bernard McDevett; 7-8, Rainbo Gardens orchestra; string trio; Kenneth Sterling, baritone; Everette George Opie, reader; 11-1, Rainbo Skylarks; Rose Vanderbosch, soprano; Bert Davis; Ralph Keim, pianist; Lew Butler; Ray Lawson, tenor; 1-2, Ginger hour.

WRR, Dallas, Texas (246m-500kc), 12-1 p. m., Roy I. Newman, pianist, old time melodies; Bible talk, Dr. R. S. Hyer; 5:15, bedtime story; 6-7, dinner hour program, Jack Gardner's orchestra; 8-9, varied program, auspices of Indiana club.

WSAI, Cincinnati, Ohio (325.9m-920kc), 6:30 p. m., Charles Dornberger's Victor Recording orchestra; 7, program; 8, Clicquot club program, WEAF; 9, Silvertown Cord orchestra.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., Charles A. Sheldon, Jr., organist.

WSOE, Milwaukee, Wis. (246-1220kc), 5 p. m., news and sports reports; 5:30, twilight hour, Agnes Roets, marimba soloist; Olga LaBelle, pianist; "Jimmy the Bootblack"; Aunt Julie, children's stories; 7, news review, Badger crier; 8, Wisconsin Bible conference association service, Dr. J. C. O'Hair, conductor; 9, bridge lesson; 9:30, old-fashioned musical program, Underwood's Quadrille orchestra of Racine.

WSUI, Iowa City, Iowa (483.6m-620kc), 12:30 p. m., Mrs. Preston C. Coast, organist; popular physics address.

Mountain Time Stations

CNRC, Calgary, Can. (434.5m-690kc), 10 p. m., Margaret King, violinist; Gwenllian Biggs, cellist; Edythe Scott, pianist; Miss Chesterfield, Miss Whitehead, Gerald Fitzgerald.

KFAU, Boise, Idaho (280.2m-1070kc), 8-8:10 p. m., "Banking," Judge Richards; 8:10-10, program, Twin Falls Chamber of Commerce.

KFWA, Ogden, Utah (261m-1150kc), 4-5 p. m., organ recital, Paramount theater; 5-6, Ogden Radio Dealers program.

KFXF, Colorado Springs, Colo. (250m-1200kc), 9-10:30 p. m., Rosemary Gardens dance program.

KOA, Denver, Colo. (322.4m-930kc), 12:15 p. m., Rialto theater musicale; 3:15, relaxing and corrective exercises; 3:30, matinee for housewives; 4, culinary hints; 4:15, fashion review; 6:30, dinner concert, Brown Palace string orchestra, Howard Tillotson, director.

Pacific Time Stations

KFI, Los Angeles, Calif. (468.5m-640kc), 5:30-6 p. m., Norman Harvey's orchestra; 6, nightly doings; 6:15, KFI's Seeing California; 6:30, vest pocket program; 6:45, Radiotorial period; 7-8, program by students, University of Southern California; 8-9, program, Rexall stores; 9-10, program, Chickering hall; 10-11, program, King Collins.

KFON, Long Beach, Calif. (233m-1290kc), 4:30-5 p. m., amusement bulletin; 6-6:30, organ, Brayton's theater; 7:30-9, Long Beach Municipal band.

KFWB, Hollywood, Calif. (252m-1190kc), 7:30 p. m., Microphone brevities; 8:45-9, special program for International Tests; 9-10, program, Don P. Smith, Inc., Diana-Moon orchestra, Ashley sisters, Sol Hoopii's Hawaiians; 10-11, Warner Brothers frolic, direction Charlie Wellman, with Charley Ilch and his Sunset Country club dance orchestra.

KGO, Oakland, Calif. (361.2m-830kc), 7:15-7:30 a. m., health training exercises, Hugh Barrett Dobbs; 7:45, "Pep Class," Hugh Barrett Dobbs; 8:15-8:30, daily training exercises, Hugh Barrett Dobbs; 8:30, daily strength; 4-5:30, concert orchestra, Hotel St. Francis, Vinton La Ferrera, conductor; 5:30-6:30, George W. Ludlow, "Friend to Boys," assisted by Jane Isabel Curtis, sea stories; 6:55, news items; 9, play, "The Federal Eagle," Wilda Wilson Church, director; music, Arion trio; 11-12, dance music, Hotel St. Francis, Girvin-Deuel's California collegians.

KGW, Portland, Ore. (491.5m-610kc), 10:30 a. m., Town Crier; music; news items and shopping guide; 12:30-1:30, concert, Oregon Radio Trades association; 6-7, dinner concert, Olds, Wortman & King company; 7:30-7:45, news items and sporting results; 7:45-8, lecture, Catholic Truth society.

KHJ, Los Angeles, Calif. (405.2m-740kc), 6-6:30 p. m., Leighton's Arcade cafeteria orchestra, Jack Cronshaw, leader; 6:30-7:30, Dickie Brandon, screen juvenile, Sunny Jane Hughes, Joyce Coad, Jeanne de Bard and Uncle John; history story, Prof. Hertzog; 7:45, health talk, Dr. Phillip M. Lovell; 8:45-9, special international Radio week program; 9-11, program, Los Altos apartment houses.

KMTR, Hollywood, Calif. (238m-1260kc), 5-6 p. m., home hour, Mammy Simmons and naborhood children; 6-7, Starr Piano company studio; 8:45-9, special internation Radio week program; 9-11, KMTR concert hour, Turner orchestra, direction Loren Powell.

KNX, Hollywood, Calif. (336.9m-890kc), 5-5:30 p. m., Sunny Jim's story; 5:30-6:15 Wurlitzer pipe organ studio; Town Tattler; 6:15, travel talk, W. F. Alder; 6:30-7, Atwater Kent concert orchestra; 7-8, program, H. L. Crockett, Ilya Bronson, concert cellist; Corinne Redd, soprano; H. L. Crockett, baritone; 8:45-9, International test program; 9-10, program, Willys-Overland dealers; 10-11, program, M. Weinstein, presenting Ray West's Alexandria hotel dance orchestra.

KPO, San Francisco, Calif. (428.3m-700kc), 10 a. m., talk on domestic science, Virginia Tappan; 1-2 p. m., Rudy's Seiger's Fairmont hotel orchestra; 2:30-3:30, matinee program; 3:30-4:30, Cyrus Trobbe's Palace hotel concert orchestra; 5:15-6:15, children's hour; 7-7:30, Rudy Seiger's Fairmont hotel orchestra; 9-10, program, Radio Eight Symphony orchestra, George von Hagel, director; 10-11, Jack Coakley's Cabirians.

KTAB, Oakland, Calif. (240m-1250kc), 9-9:30 a. m., prayer service, Rev. G. W. Phillips; 12-1 p. m., luncheon concert program; 9-11, studio program.

Friday, January 29

Headliners Today

Eastern	Central	Mountain	Pacific
7:15 p. m.	6:15 p. m.	5:15 p. m.	4:15 p. m.

WTIC (475.9m-630kc) Robert Burns' anniversary program.

8:15	7:15	6:15	5:15

WGY (379.5m-790kc) "The Law Suit," comedy-drama.

8:30	7:30	6:30	5:30

KSD (545.1m-550kc) Commerce hour. Play.
WHO (526m-570kc) Herring Motor band.
WOI (270m-1110kc) Kansas-Ames basketball game.

9	8	7	6

WJZ (454.3m-660kc), WGY (379.5m-790kc), WBZ (333.1m-900kc) Victor hour.

9:15	8:15	7:15	6:15

WCCO (416.4m-720kc) Odd Fellows program.

9:30	8:30	7:30	6:30

KFAB (340.7m-880kc) 110th Med. Regiment of Crete.
WGR (319m-940kc) Crescent Park entertainers.
WNYC (526m-570kc) Kessler ensemble.

10	9	8	7

KTHS (374.8m-800kc) Solo night.
WGY (379.5m-790kc) "Everyman," morality play.
WTIC (475.9m-630kc) Travelers' quartet.

10:30	9:30	8:30	7:30

KWSC (348.6m-860kc) Aloha harmonizers.

11	10	9	8

WTIC (475.9m-630kc) Test program.

1 a. m.	12 m.	11 p. m.	10 p. m.

KFI (468.5m-640kc) Ionian quartet.

1:30	12:30 a. m.	11:30	10:30

KGW (491.5m-610kc) Hoot Owl frelio.

Friday, silent night for: CFAC, CHIC, CKNC, CKY, CNRC, CNRM, CNRO, CNRR, CNRW, KFAU, KFEQ, KFKU, KFMQ, KFWA, KFXF, KGO, KFAU, KPRC, KUOM, PWX, WAFD, WBBR, WCAD, WCBD, WEAO, WEBW, WGBS, WGST, WHAZ, WIP, WJAZ, WKRC, WLW, WLWL, WNAD, WRC, WREO, WRVA, WSAI, WSUI, WSMB, WTAM.

Eastern Time Stations

6KW, Twinucu, Cuba (338-890 kc), 10-11 p. m., American dance music.

CNRT, Toronto, Can. (356.9m-840kc), 6:30 p. m., Luigi Romanelli and his King Edward hotel concert orchestra; 9, Trinity choir.

KDKA, Pittsburgh, Pa. (309.1m-970kc), 7:15-8 a. m., morning exercises, O. Shanon, director; 10, domestic science and arts; 12:20, Sunday school lesson, James C. Mace; 5:45, Auntie Jim's letter; 6:30, dinner concert; 8, news items; 8:15, address, "Prevention and Cure of Tuberculosis," Charles Howard Marcy; 9, concert.

WBAL, Baltimore, Md. (246m-1220kc), 6:30-7:30 p. m., dinner program, WBAL orchestra, Robert P. Iula, conductor; 7:30-8, WBAL male quartet; 8-9, musical program; Old Plantation melodies, negro spirituals, Post Office glee club, Negro singers.

WBZ, Springfield, Mass. (333.1m-900kc), 6:30 p. m., Little symphony orchestra; KDKA; 7, Leo Reisman's Hotel Brunswick orchestra; 7:30, "Appreciation of Music," Prof. John A. O'Shea; 8, concert, Edwin J. McEnelly and his Victor Recording orchestra; 8:30, Hotel Vendome, Samuel Seiniger, director; group, Boston symphony orchestra; 9, Victor hour, WJZ, WGY.

WCAE, Pittsburgh, Pa. (461.3m-650kc), 10:45 a. m., Gold Medal talk; 630 p. m., dinner concert, William Penn hotel; 7:30, children's period; 7:45, address, current motor topics; 8:30, concert.

WCAU, Philadelphia, Pa. (278m-1080kc), 7:30 p. m., Clarence Seamen's Hotel Pennsylvania concert orchestra; 8:15, Chiropractic talk; 8:30, Singing Groundhog; 8:45, Carolyn Thomas, soprano; 437 American Radio trio; 9:15, Dwight Strickland, "poetician;" 9:30, Sea Isle City Gardens orchestra; 10, Willie Horowitz, songs; 10:30, Jack Myers' musical architects.

WCX, Detroit, Mich. (516.9m-580kc), 6 p. m., dinner concert, Book-Cadillac hotel; 9, studio concert; 10, dance music, Graystone ballroom.

WEAF, New York, N. Y. (491.5m-610kc), 6:45-7:20 a. m., Tower Health exercises, also through WEEI, WCAP; 10:45-11:05, Betty Crocker Gold Medal Flour Home Service talk; 11:05-11:15, musical program; 11:15-11:30, talk, Interior Decoration, New York Federation of Women's clubs; 11:30-12, lecture, "Practical Household Arts," Columbia university; 4-4:15 p. m., Abraham Lipschutz, pianist; 4:15-4:30, Chas. Gordon, baritone; 4:30-4:45, Abraham Lipschutz, pianist; 4:45-5, talk; 6-7, dinner music, Hotel Waldorf-Astoria; 7-7:30, Gene Ingraham and his Great Notch Inn orchestra; 7:30-7:45, "Sir Hobgoblin at the Helm," Blanche Elizabeth Wade, story teller for G. R. Kinney company, WOO, WCAP, WCAE, WGR, WJAR, WEAR; 7:45-8, Minnie Weil, pianist; 8-8:30, Happiness Candy Boys; 8:30-9, Eagle Neutrodyne trio; 9-10, Spear and Company's home entertainers; 10-10:30, Chamber musicale, Gania Zielinska, soprano; Giuseppe de Benedetto, tenor; 10:30-11, Ben Bernie and his orchestra direct from Hotel Roosevelt; 11-12, silent, International Radio tests.

WEAR, Cleveland, Ohio (389.4m-770kc), 9:30 a. m., Goodyear concert orchestra, Ivan Francisci, director; 3:30 p. m., Goodyear concert entertainers; 7, Wormack's singing syncopators, Far East restaurant; 7:30, children's program, WEAF; 7:45, talks; 8:15, program, Mt. Union college conservatory of music; 9, R. T. L. program; 10, Wormack's singing syncopators, Far East restaurant.

WEBJ, New York, N. Y. (273m-1100kc), 7-7:45 p. m., Elmer Snowdens Westerners; 7:45-8, Sara V. Turits, soprano; 8-8:30, Sal Angarolla and Eddie Collins, uke and guitar; 8:30-9, Leon and Ida Fox, concert violinist, accompanied by Norman Hennefeld.

WEEI, Boston, Mass. (348.6m-860kc), 3 p. m., talk, Harry J. Broughton; 5:05, Joe Herlihy's Collegians; 6:15, Joe Rines and his Hunters' Cabin orchestra; 6:45, Big Brother club; 7:30, Whiting's Grade A entertainers; 8, Sager's half hour of hospitality; 8:30, Neapolitan Girls' quintet; 9, musicale; 9:30, Carter's Incas; 10, Scotty Homes and his orchestra, Imperial Marimba band.

WFI, Philadelphia, Pa. (394.5m-760kc), 1 p. m., tea room ensemble; 3, recital; 6:30, Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra.

WGBS, New York, N. Y. (315.6m-950kc), 10-10:10 a. m., timely talks with Terese; 10:10-10:20, Mary Miller, pianist; 10:20-10:30, Bertram Taylor, fashion talk; 1:30-2 p. m., Atlas string trio; 3-3:10, educational talk, Mr. Redding; 3:40-5, music lesson, Dr. A. G. Robyn; 6-6:30, Uncle Geebee; 6:30-7, Anzell's orchestra.

WGCP, New York, N. Y. (252m-1190kc), 3-3:10 p. m., Samuel Weber, blind pianist; 3:10-3:15, race results and news items; 3:15-3:30, Hugo Angelo, tenor; 3:30-4:10, Eddie Gellis orchestra; 4:10-4:25, Jack Neal, songs; 4:25-4:40, Clarence Profit, pianist; 4:40-4:50, songs; 4:50-5, Charol de Thomee, pianist; 6:45-7:30, Janssen's orchestra; 7:30-7:55, studio program; 7:55-8, health talk; 8-8:30, orchestra.

WGHP, Detroit, Mich. (270m-1110kc), 6 p. m. dinner concert, Hotel Tuller; 10, popular concert, Skylark dance band, Motortown trio; Heckendorn and Mackenzie, Eddie McGrath.

WGR, Buffalo, N. Y. (319m-940kc), 2:30 p. m., WGR's afternoon program; 6:30, Clef trio; 7:30, jointly with WEAF, Blanch Elizabeth Wade, story teller for G. R. Kinney company; 9:30, Crescent Park entertainers, "The Village Blacksmith Shop;" 10, J. Blosek, pianist; 10:30, Hewitt Humorists, program of Hewitt Rubber company.

WGY, Schenectady, N. Y. (379.5m-790kc), 2 p. m., Asia restaurant orchestra; 2:30, health notes, Dr. C. W. Woodall; 6:30, Sunday school lesson; 7, Eastman theater; WHAM; 7:30, health talk; 7:40, "French by Radio," Leon A. Huguemont; 8:10, Lawrence W. Corbett; 8:15, "The Law Suit," WGY players; 9, Victor hour of music, WJZ; 10, "Everyman."

WHAR, Atlantic City, N. J. (275-1090kc), 2 p. m., Seaside hotel trio; 8, Seaside hotel quartet; 11:15, Strand theater organ recital.

WHN, New York, N. Y. (361.2m-830kc), 6-6:30 p. m., Littmann's dinner music; 6:30-6:45, Daddy Dingle and his Jingle Machine; 6:45-7, Littmann's dinner music; 7-7:30, Harry Richman and his entertainers; 7:30-8, Melody club orchestra; 10-10:30, Roseland dance orchestra; 10:30-11, Everglades orchestra; 12-12:30 a. m., Silver Slipper orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:45 a. m., setting-up exercises; 7, setting-up exercises; 1 p. m., Gimbel tea room orchestra; 3, "The Anthracite Coal Question," Dr. Edward S. Mead; 6:05, Benjamin Franklin hotel concert orchestra; 7, Uncle Wip's bedtime stories.

WJAR, Providence, R. I. (305.9m-950kc), 10 a. m., Betty Crocker; 1:05 p. m., entertainers; 7:30, children's stories; 7:45, musicale; 8:20, speaker; 8:30, Gorman Jolly hour; 9, Hohner harmony hour.

WKAQ, San Juan, P. R. (340.7m-880kc), 6-8 p. m., talks, Porto Rican Atheneum.

WKAR, Lansing, Mich. (285.5m-1000kc), 7:15-8 p. m., "Wheat and Chaff," J. F. Cox; "Corn Improvement," J. R. Duncan; "Dairy-Alfalfa Campaign Experiences," L. Kurtz; "Potato Experience of a Quarter Century," Jason Woodman, Paw Paw; 8-9:15, basketball game, M. S. C. vs. Michigan State Normal.

WLIT, Philadelphia, Pa. (394.5m-760kc), 10:02 p. m., daily almanac; Stanley theater organ recital; Arcadia cafe concert orchestra; 2, Arcadia cafe concert orchestra; 2:30, playlet, students National School of Oratory and Elocution; 7:30, Dream Daddy's bedtime stories; Sunbeam party; 11, Trans-Atlantic tests.

WMCA, New York, N. Y. (340.7m-880kc), 6-6:30 p. m., Olcott Vail and his Hotel McAlpin string ensemble; 6:30-7:30, Ernie Golden and his Hotel McAlpin orchestra; 7:30-8:15, Sack's Radio entertainers; 8:15-8:25, Postal Pen entertainers; 8:25-8:50, Mario Alvarez, tenor; 8:50-9, talk, Broadway association; 9-10, Hardman Hour of Music; 12-12:30 a. m., Jack Denny and his Frivolity orchestra.

WNYC, New York, N. Y. (526m-570kc), 6:30-7:15 p. m., elementary and advanced French lessons; 7:35-8, Resume of Meeting of Board of Estimate; 8-8:30, lecture, Herman Newman, 9-9:30, song recitals; 9:30-10, Kessler ensemble; 10:10-10:30, lecture, Carter troop.

WOO, Philadelphia, Pa. (508.2m-590kc), 11 a. m., organ recital; 12:02 p. m., Golden's crystal tea room orchestra; 4:45, organ recital; 7:30, "Sir Hobgoblin" by Blanche Elizabeth Wade; 7:45, Ritz Carlton concert orchestra; 9, WOO orchestra; 9:25, Fox theater orchestra; 10, organ recital, Mary E. Vogt.

WOR, Newark, N. J. (405.2m-740kc), 2:30-2:45 p. m., talk, B. P. Adams, Literary Digest; 6:15-6:17, words often mispronounced; 6:17-6:30, sports talk, Bill Wathey; 6:30-7, man in the moon stories for children.

WRC, Washington, D. C. (469m-640kc), 10 a. m., women's hour, WJZ; 12, organ recital, Otto F. Beck; 1 p. m., Meyer Davis' New Willard hotel orchestra; 3:30, concert, United States marine band, Captain William H. Santelmann, leader; 5, Hotel Lafayette trio; 5:45, book talks, Mrs. Nina Reed.

WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., dinner concert, Speed Wagon serenaders and Gold Standard ensemble; miscellaneous bulletins.

WTAG, Worcester, Mass. (268m-500kc), 10:30 a. m., musical selections; 10:45, Mildred C. Thomas, "Food Hints"; 12:05-2 p. m., noonday luncheon music, WTAG orchestra, Will Hardy, director; 3-5, Tea Dansant music, WTAG orchestra; 7:10, "The Twinkle Twinkle Story Teller"; 7:30-7:45, stories, Blanche Elizabeth Wade, WEAF; 7:45, mechanics of speech, Meta B. Wade; 8, travel talk; 8:30, current events for people without sight or shut-ins, Gwendoline Albee.

WTIC, Hartford, Conn. (475.9m-630kc), 11 a. m., "The Babies' Full Dinner Pail," Dr. A. Elizabeth Ingraham; 11:15, talk; 11:25, Laura C. Gaudet, pianist; 11:30, home talk; 12:05 p. m., luncheon music; 6:30, dinner concert; 8, "Business Conditions," Prof. W. B. Bailey; 8:15, Robert Burns anniversary; Clan Gordon O. S. C.; 10:30, dance music; 11, Travelers male quartet.

WWJ, Detroit, Mich. (352.7m-850kc), 7:30, 8:30 a. m., setting-up exercises, R. J. Horton; 9:30, tonight's dinner, special talk; 10:45, Betty Crocker home service; 12:05 p. m., Jules Klein's Hotel Statler orchestra; 3, Detroit News orchestra; 6, dinner concert; 8, News orchestra, soloists; 9, dance program.

Central Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 8:30-10:30 p. m., 110th Med. Reg. of Crete.

KFKX, Hastings, Nebr. (288.3m-1040kc), 1 p. m., Special farm service day; 5:30, dinner concert, KDKA; 9, instrumental musical program, Burton family, artists.

KFMQ, Fayetteville, Ark. (299.8m-1000kc), 7:30 p. m., U. of Ark.-Contenary college basketball.

KFNF, Shenandoah, Iowa (266m-1130kc), 7 p. m., Sunday school lesson; 7:30, Pipe organ concert.

KFVE, University City, Mo. (240m-1250kc), 9:15 p. m., Woman's National exposition; "Good English and Rhetoric," Prof. Adolphus Watts; Mae Miller, soprano; Mrs. Gertrude Watson, accompanist; Dave George, organist.

KLDS, Independence, Mo. (440.9-680kc), 6:30 a. m., morning devotional service; 8 p. m., "Problems of Society," M. A. Etzenhauser; 8:15, concert, Bernice Griffith, soprano; Florence Shelly Overholt, harpist; Emily Foley, contralto; Blanche Traynor, pianist; Aileen Pemberton, soprano.

KMA, Shenandoah, Iowa (252m-1190kc) 11:30-12:30 p. m., noonday rural program; seed talk, Earl E. May; music; talk, G. H. Van Houten; 6-7, How-Do-You-Do, Boys; Grady and Doc., Connie Forte and the Slumber boat; 9, Elks band.

KMMJ, Clay Center, Nebr. (229m-1310kc), 1:30 p. m., factory and office program; 7:30, local talent.

KPRC, Houston, Texas (286.9m-1010kc), 12 m., Frank Tilton, boy pianist.

KSAC, Manhattan, Kans. (340.7m-880kc), 9-9:25 a. m., music, inspirational talks, agricultural talks, agricultural primer, calisthenics; 9:55-10:25, readings, backyard gossip, question box; planning today's meals; 12:35-10:05 p. m., readings, question box; "Winter Quarters for Hogs," C. G. Elling; "Self Feeders for Hogs," Walter G. Ward; 4:30-5, lessons in color and design; 6:30-7:30, market review; opportunity talks; travelog; Vocational Education, extension credit course; "What Becomes of Our Federal Tax Dollar?" T. J. Anderson; "How Clothing Keeps Us Warm," E. V. Floyd.

KSD, St. Louis, Mo. (545.1m-550kc), 6:30 p. m., "Good Will" program, WEAF; 7, "Fur Hour"; concert, St. Louis male quartet; 7:30, "Commerce Hour"; play, Ruth Kelso Renfrow, director.

KTHS, Hot Springs National Park, Ark. (374.8m-750kc), 12:30-1:30 p. m., farmer's Radio chautauqua; orchestra; 9-10, solo night, staff artists, Lon Cassy, violin; Edward Richter, cello; Charles Garden, saxophone; Julian Salvatore, trombone and others; 11:15-11:30, dance numbers, Eastman hotel orchestra.

KYW, Chicago, Ill. (535.4m-560kc), 6:30-7 a. m., morning exercises, Paul A. Leonhardt; 7:30, morning family worship, Y. M. C. A.; 11:15, talk, John C. Cutting; 11:35, table talk, Mrs. Anna J. Peterson, Peoples Gas company; 1, noonday concert, luncheon concert, Congress hotel; 6, dinner music; KDKA; 7:05, bedtime story, Walter Wilson; 9, music hour; 12, Henri A. Keates, organlogue; 1 a. m., Insomnia club, Coon Sanders orchestra.

WAMD, Minneapolis, Minn. (244m-1230kc), 12 n., classical program; Rose Feiker Asplen, soprano; Ella Sundstrom Pendleton, accompanist; Donald Mensing, violinist; Wayne Hugaboom, accompanist; Margaret Leemhuis, pianist; 7:05, talk; 7:10, Minneapolis Public school hour; T. P. Giddings, director; Nell Wisely, music director; operetta and orchestra; 8, Reception Five; 11, Skyrocket frolic, George Osborn's Hotel Radisson Skyrockets.

WBBM, Chicago, Ill. (226m-1330kc), 4-6 p. m., Valentino inn orchestra; artists; 8-10, Tip trio; Moulin Rouge orchestra; artists.

WBCN, Chicago, Ill. (266m-1130kc), 10-10:30 a. m., Penny Wise, "The Shopper's Ready Helper," shopping talk; 5-5:15 p. m., police bulletins; 7-8, Fireside hour, WBCN hobby club; George R. Cleveland, "Big Boy" Yagle, pianist; Will Rossiter, "The Daddy of the Song Publishers," tenor and songwriter; Harold Johnson, boy xylophonist; 11-12 m., request program; Midway dancing gardens orchestra; Eddie Matts and Billy Donovan, tenor and pianist; West End Harmony boys, instrumental duo; Ed Dempsey, "The Silken-Voiced Tenor," Alice McMahon, contralto; "Big Boy" Yagel, planologist.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 10:45 a. m., "Gold Medal Biscuit and Variations," Betty Crocker; 12, Dick Long's Dayton trio; 2 p. m., woman's hour; 2:30, afternoon concert, Dick Long's Nankin cafe orchestra; 4, readers' club, Mrs. Walter Stevens; 5:30, court of Gold Medal; 6:15, dinner concert, Wesley Barlow's Nicollet hotel orchestra; 8, health talk; 8:15, program, Independent Order of Odd Fellows; 9:15, musical program; 10:15, international test program; 11, dance program, Emmet Long's Golden Pheasant orchestra.

WDAF, Kansas City, Mo. (365.6m-820kc), 10:45-11 a. m., Betty Crocker, home service talk; 6-7, the Tell-Me-a-Story lady; address, Kansas City children's bureau; music, the Trianon ensemble, Hotel Muehlebach; 8-9:30, "Around the Town with WDAF;" 11:45-1 a. m., the Plantation players, Hotel Muehlebach; Eddie Kuhn's orchestra, Kansas City Athletic club.

WDOD, Chattanooga, Tenn. (256m-1170kc), 6:30-7 p. m., organ music, Tivoli theater; 7-8, Hotel Patten orchestra; 8:15, special features and program; 11, popular requests.

WEBH, Chicago, Ill. (370.2m-810kc), 11:30-12 m., woman's half hour; 3-4 p. m., special features; 7-8, Oriole orchestra; Pauline Sachs, soprano; Eleanor Kaplan, violinist; 9-9:45, WEBH Light Opera company; 9:45-10, news; 11-12:30 a. m., Oriole orchestra; Ireno Beasley; Fred Palmiter, Jack Penewell.

WENR, Chicago, Ill. (266m-1130kc), 6-7 p. m. dinner concert; Rauland-lyric trio; Eric Sager; vocal numbers; 8:10, All-American pioneers; Jack Todd, baritone, George Moran and Bill Alt, Hawaiian guitarists; Harmony Four; 12-2 a. m., All-American pioneers; vocalists; twin piano duets, Frank Westphal.

WFAA, Dallas, Texas (475.9m-630kc), 12:30-1 p. m., Sunday school lesson, Dr. Horace M. Whaling; music; 3:30-4, Sears-Roebuck agricultural foundation program; 4:30-5, woman's hour, music and literary; 6:30-7:30, Ford's Texas trumpeters; 8:30-9:30, Mrs. Albert E. Smith, soprano and assisting musicians.

WGES, Oak Park, Ill. (250m-1200kc), 5-7 p. m., duo, mezzo-soprano, quartet, organ; 8-9, orchestra, pipe organ, soprano, tenor, pianist; 11-1 a. m., banjo friends, organ, Coyne orchestra, comedian, "Uke Girl."

WGN, Chicago, Ill. (302.8m-990kc), 11-11:30 a. m., household hints; 11:30-12, fashion discussion; 12-12:40, public service period; 12:40-2:30, luncheon concert, Drake concert ensemble and Blackstone string quintet; 2:30-3, Lyon and Healy artists; 3-3:25, public service period; 3:25-3:30, Port o' missing men; 3:30-4:15, tea time music, Marshall Field tea room orchestra; 4:30-5, organ recital, Edward Benedict, Kimball organ; 5:30-5:57, Skeezix time; 6:30-7, dinner concert, Drake concert ensemble and Blackstone etring quintet; 8-9, Cope Harvey's liberty orchestra; 9-10, Ford program, WEAF.

WHAD, Milwaukee, Wis. (275m-1090kc), 11 a. m., pianolog, Andy Hertel; 4 p. m., Ira Schnell, baritone; 6-7, Arthur Richter, organist; 7, Bill Juhre's Radio Cartoon game; 8:30-10, Wisconsin theater revue; 35-piece Wisconsin theater concert orchestra; Dexter's Wisconsin roof orchestra.

WHAS, Louisville, Ky. (399.8m-750kc), 1-2 p. m., Royal Peacock orchestra; 3-3:30, Mrs. Myrtle Fulks Zahn, Jr., organist; editorials; 7:30-9, concert, Greater Louisville Building and Loan association orchestra.

WHB, Kansas City, Mo. (365.6m-820kc), 2-3 p. m., Sweeney Radio trio; 7-8, Milo Finely trio; "Taking a Hint from Henry Ford," Dr. George J. Erskin; Boys Hotel Lightning club; talk, Judge E. E. Porterfield.

WHO, Des Moines, Iowa (526m-570kc), 7:30-9 p. m., Paul Stoye, pianist; Herring Motor band, Prof. Hiatt, director; 11-12, Corn Sugar orchestra.

WHT, Chicago, Ill. (399.8m-750kc), 10 a. m., women's club. Jean Sargent; studio features; 10:45, home service, Betty Crocker; 11, special features; 12, organ recital, Al Carney; 6 p. m., classical program; dinner organ recital, Al Carney; Grayling's string trio; Genevieve B. Burnham; Helen Rauh, pianist; 6:30, Ray-O-Vac classic program; (238m-1260kc), 7:45-9:15, Alamo orchestra; (399.8m-750kc), 9:30, Beulah Ladon, violinist; Clark and Baia, Hawaiian; Helen Rauh, pianist; Al Carney, organist; 10-10:30, Loftis music; 11:30, Chez Pierre orchestra; 12, "Your Hour League," Pat Barnes and Al Carney.

WIBO, Chicago, Ill. (226m-1330kc), 10-11 a. m., shoppers' bureau; 2-4 p. m., popular shut-in program; 6-8, dinner concert, Walter Preston; WIBO trio; Rae McKay, Otis Pike Jester.

WJAD, Waco, Texas (352.7m-850kc), 8:30-10:30 p. m., program, Mrs. Frank P. Jackson, director.

WJJD, Mooseheart, Ill. (370.2m-820kc), 4-5 p. m., Mooseheart hour; music by younger children; daily assembly of 1,256 children; faculty talks; 6-7, instrumental hour, Howard L. Peterson, playing Geneva organ; Palmer Symphonic players; Palmer House Victorians; 8-9, Mooseheart children's hour, Mooseheart concert band; solos; talk, Matthew P. Adams; 10:15-10:30, tests; 12:30-1:30, settin'-up hour, Howard L. Peterson, playing Geneva organ; Palmer House Victorians.

WLIB, Chicago, Ill. (302.8m-990kc), 7-8 p. m., dinner concert; 11-12, popular program; 12-1 a. m., dance program.

WLS, Chicago, Ill. (344.6m-870kc), 12-1 p. m., WLS studio trio; 6:40, Ralph Emerson, organist; 7, lullaby time; Ford and Glenn; 7:15, WLS trio, famous operatic melodies; 7:45, Wallace Bruce Amsbarry, poet corner; 8, concert quintet; 8:30, Ford and Glenn, "School Days;" 9, Parnell Egan, tenor; 9:15, Central Trust company choir; 11, Paul Ash and his gang.

WLW, Cincinnati, Ohio (422.3m-710kc) 7:30 a. m., healthful exercises, William Stradtman; 8, morning devotions, auspices of Parkway Y. M. C. A.; 12:05 p. m., organ concert; 12:30, concert, Hotel Gibson orchestra, Robert Visconti, director.

WMAQ, Chicago, Ill. (447.5m-670kc), 12:25 p. m., Y. M. C. A. forum; 1, Radio farm school; 2, shut-in program; 4, talk on preschool child; 4:15, musical program; 4:30, "Foibles of the Moment," Mrs. Graham Aldis; 4:45, Child Life stories; 6, organ; 6:20, Family Altar league; 6:30, Wide-Awake club; 8, musical lecture, Mr. and Mrs. M. E. Oberndorfer; 8:30, Whitney trio; 9, lecture, U. of C.; 9:20, Elizabeth Stokes, soprano; 9:55, U. of Chicago chimes.

WMBB, Chicago, Ill. (250m-1200kc), 7-8 p. m., Trianon duo; Frank Bordner, baritone; Frank Chaplin, "The Old Virginia Colonel," semi-classical old home songs program; 9-10, Trianon orchestra, Dell Lampe; Woodlawn theater orchestra, Armin F. Hand; Babbe and Barr, harmony duo; Jack Armstrong, uke soloist; Eddie Matts and Billie Donovan, popular program.

WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Cooper's Hawaiians.

WOAI, San Antonio, Texas (394.5m-760kc), 3 p. m., musical program, Kamma's Hawaiians; 8:30, Menger hotel trio.

WOAW, Omaha, Nebr. (526m-1000kc), 12:45 p. m., Sunshine Sunday dinner menu and recipe service; 1, Randall's Royal Fontenelle orchestra; 6, music review, Hester Bronson Copper; 6:50, Jaffy's string quintet of Brandeis tea room; 9, classical program.

WOC, Davenport, Ia. (483.6m-620kc), 12:15-12:25 p. m., Radio farm school; 3-3:30, Aunt Jane; 4-5, Crescent orchestra; 5:45-6, chimes; 9-10, musical program; 10:15-10:30, international selections in different languages, Harry Y. Mercer, tenor; Jeanette Brewbaker, soprano; Mrs. F. W. Elliot, organist.

WOI, Ames, Iowa (270m-1110kc), 12:30 p. m., college chimes; 12:15, Prof. C. L. Holmes, discussion relating to agricultural economics; 7:30, Kansas university vs. Ames, basketball game.

WOK, Chicago, Ill. (217.3m-1380kc), 4:30-7 p. m., Tearney's Town Club Twilight dansant; Capitol theater organ; studio program; 11-1:30 a. m., Tearney's Town club orchestra; Carl Lorrain's Pershing Palace orchestra; Husk O'Hare's Cocoanut Grove orchestra; Capitol theater program; studio program.

WORD, Batavia, Ill. (275m-1090kc), 7-7:45 p. m., musical program, North Shore line; 7:45-8, Uncle Dan; 9-10, studio recital, H. W. Barnard, tenor.

WOS, Jefferson City, Mo. (440.9m-680kc), 8 p. m., program, Missouri Farmers' association.

WQJ, Chicago, Ill. (447.5m-670kc), 11-12 m., Sunday dinner, Ted Wilmes; 3-4 p. m., "Third Radio lesson," Helen H. Downing; 7-8, Rainbo Gardens orchestra; Henrietta Nolan, violinist; Otis Pike Jester, soprano; Mary Thrash House pianist; "Rock of Ages," H. W. Bundy; 11-1, Rainbo Skylarks; Dr. H. Lucille Long, Eleanor Terry, Marie Pollette; Melodians; Dean Terrill, baritone; Mary Wade, soprano; 1-2, Ginger hour.

WRR, Dallas Texas (246m-500kc), 12-1 p. m., Ethel Smith, pianist; W. W. MacBeth, harmonica; Sheldon Leachman, tenor; 5:15, bedtime story; 6-7, dinner hour concert, Jack Gardner's orchestra; 8-9, program, Mabel Cranfill, directing, assisting artists; 11-12, organ recital, George Perfect, assisting artists, Phil Pierce studio.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m.; West Point Route band.

WSM, Nashville, Tenn. (282.8m-1060kc), 6:30 p. m., concert, Francis Craig's orchestra; 7, bedtime story; 8, piano selections, Winkler music studios; 8:30, Christine Lamb, contralto.

WSOE, Milwaukee, Wis. (246m-1220kc), 5 p. m., news and sport reports, Badger Crier; 5:30, twilight musicale, Caroline Ramminger, soprano; Alga LaBelle, pianist; Agnes Roets, marimba-soloist; Aunt Julie, children's stories; 8:45, book review, M. S. Dudgeon; 9, "Candygram" review, staff orchestra and soloists; 10:15, international Radio test program; E. B.

(Continued on page 28)

Radio Digest Illustrated

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"Bloopers" and Foreign Tests

THE eve of International Week is here. Transatlantic reception is in order. The way is paved for many thrills. On Friday night, when various sections of the country remain silent while other sections broadcast, many listeners will have their first taste of long distance reception. Everyone is going to have fun.

Providing—that the "bloopers" don't strain themselves to such a marked degree as to spoil every neighbor's reception.

Let us remark now, before the tests begin, that people who are operating receivers that bloop and know that their sets bloop, should have the spirit of cooperation at least on this occasion and, if necessary, turn off their sets for the silent hours.

Blooping can be stopped by proper neutralization of a neutrodyne, by operating tubes below the oscillating point, by using the Thatcher unit (described in December 5 and 12 issues of this publication) ahead of one's set, by using a loop—not an antenna system—on a super-heterodyne, and by many other ways.

We are afraid bloopers are going to spoil the transatlantic trials. Hence this note of warning appears. If you have a blooper nearby, get busy now and seek the owner's cooperation.

WEAF Chain Announcing

COMPLAINTS of announcers failing to give their station's call letters are many. We note that the complaining letters often name stations which are regular members of the WEAF chain.

As it happens, the chain features are usually long and so connected that it is practically impossible for the local member station to break in and tell from what source the program is being heard. It is likewise inadvisable for WEAF to break in every 15 minutes or so with the call signals of the entire chain handling the broadcast.

We have heard one chain station, WGN to be specific, break in at the proper moments with announcements of the station's call, together with a description of what was last heard and next to be given. If other chain stations would watch this point as carefully we feel that complaints regarding lack of announcements would not be so frequently arriving on the editor's desk.

The chain, let us pause to remark, has difficulties, however, which originating stations do not have to face. There is at least the semblance of an alibi for the linked stations, but not so for a score of other well-known broadcasters who are not and never have been included in the chain.

Here Is Another Angle

"IF CONGRESS passes a law providing for a set royality on each piece of copyrighted music broadcast my station will be paying much more than it does now."

Thus stated one of the few directors who did not favor the passage of a bill providing for relief from the Music Trust holdup. He went on to explain that his station featured orchestra numbers and that they played so many during the course of the year that an individual number tax would wreck their exchequer.

"Who sends you the numbers you broadcast?" we asked.

"Why, the publishers furnish the orchestra with professional copies for the most part," he answered.

"Do you charge them for broadcasting them?"

"No, our fans request us to play the numbers and we respond to the public taste."

"How do you know that a great many of the requests, especially those for new numbers, are not planted by the publishers themselves."

"Well, I guess some of them are, but how will the proposed single number tax relieve that?"

"This way," we answered. "Say there is a royalty fee of three cents put on each piece of music used. Tell the man who furnishes you with the copy he wants played that you will be glad to use the number if he will pay the three cents each time you play it. And then watch the song pluggers seek cover. They will be taking money out of one pocket and putting it in the other one."

RADIO INDI-GEST

A Little Prayer

A wisp of a prayer I sent today;
By a Radio wave it winged its way.
I sent it out into space unknown.

Some far-off star; some distant sphere
Might be in tune—its message hear.
Would there an answer come?

Whither or whence—I cannot know;
My spirit felt a sudden glow
Of happiness and peace.

Perhaps—who penetrates the veil?
Or who this dictum will assail?
Our prayers their answer be.

MAUDE M. WEEDE.

Hurting Our Feelings

YOW! Whadyumeen? A letter came to the Radio Digest office and the writer said, "Please give this material to the editor of the column 'Indi-Gest' if you find it unavailable for publication." Come on out and fight.

Zoologically Speaking

Dear Indi: I see where some bird sent in a list of 47 stations received at one set-in to get himself a membership in the D. T. club.

Now you know what them letters used to stand for—when our friend in white used to muster the ceremonies. Now I am informed that them letters now stands for "Dial Twisters" and all he wanted was to join up with the rest of the DX hunters.

He did not say how many hours that one set-in lasted—but he hasn't got a thing on me. I received 47 stations all at the same time last night on the bunch of haywire and tobacco cans that directions, "How to Build," said was a very selective receiver, and believe me it is, for it selects them from all over these United States and receives them all at the same time. Well, after you twist the dials on that contraption for one set-in you want to join up with the old-fashioned D. T. gang and a few pink elephants, boa constrictors or six-headed lizzerds would be a relief. OLD KING TUTT.

Then Duck

Dear Indi: My wife came home from the club the other night and said that the reason classic music won out at KOA was because not many of the jazz people knew how to read and write, so they couldn't vote.

L. E. PECK.

That's a dirty dig. Right there you should have told her you would be glad if none of them could, and then have reminded her you had to sign a marriage license.

The Main Reason

Isabel—Why is the purchase of a Radio set a good way of spending money?

Wasabel—Because it is a sound investment!

DINNERBELL.

Our Crystal Set

My wife and I are radio fans
In a small way as yet;
We can't afford a neutrodyne,
But have a crystal set.

Its restful when we're tired of work
To play cards ev'ry night;
For we like double solitaire,
'Tis wifey's one delight.

I take my head phones and adjust
Them firmly to each ear;
And wife puts o'er her neat bobbed hair
Her phones, good songs we hear.

And thus each night we play at cards
My dear old wife and I;
We listen o'er our crystal set,
And hear the songs roll by.

RHEA.

Oh! Luther Burbank, Lookut

Dear Indi: The fan who wrote to me for advice about his aerial pole which sprouted as an apple tree while in active service as part of his set, has a rival. "My aerial," writes the newcomer, "passes over what I thought was a pear tree, but chestnuts came on it." My theory is that they must have dropped off the aerial during some of the announcers' jokes.

PHIL O. SOPHER, LONDON.

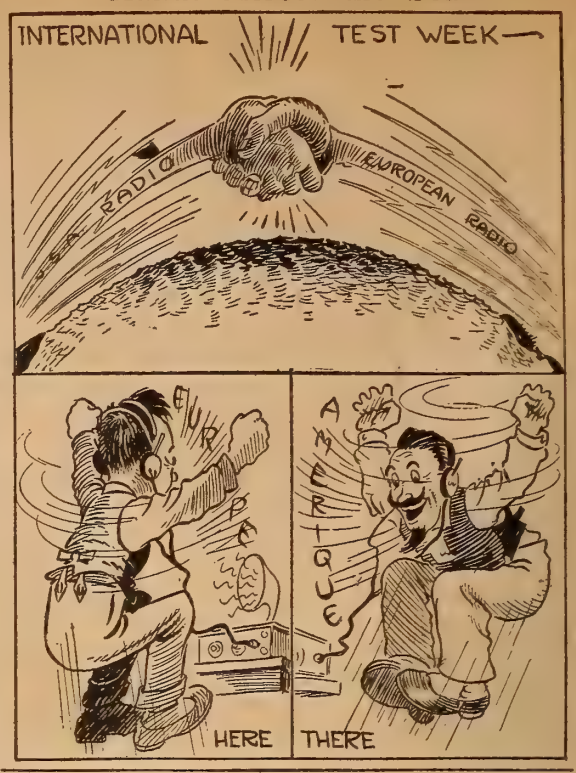
Uneasy Lies the Crown

Dere Indy:—Say-lissen bozo—whicht is the word crack riters like me uses, when thay wants tew tell editurs whicht thay try tew help out with wow coppie, when sucht editurs haint got ne better cents then tew tell other dudes whicht lay down on him, that hees sorrie, caus thay has tew read my stuff.

You better turn over a new leave an sent me a ingraved knockdown tew yer pet bootleggur, an publidch a apoligie soas maggie can read it, or eye will set tite an let your column go hi an dri, soas mabbe you wont have no customers leff tew read your stuft, onli you an the proof readers, whicht haint got no choist, an has tew read it er be expelled. You gotta remembur the old sain, whicht says—"Dew rite an fear no man—dont rite an fear no womun." KING.

We apologize, King, but not for the wise crack. We apologize, we started to say, for the fact that we publish your stuff. Pity the poor readers, "whicht aint got no larnin" and can't decipher your code.

Hands Across the Sea



Condensed

BY DIELECTRIC

When Station WJZ, New York, came on the air with a special New Year's Day program listeners in heard features of surpassing interest. Except for two breaks in the broadcasting, which of course were wholly unforseen, there was nothing to detract from the work of musical artists of fame, speeches by representatives of foreign countries, news of the minute gathered by Radio and dance tunes from Merrie Olde England. While the first concert in a series of Victor musicals was incorporated in the broadcasting no preferences are to be mentioned here.

Since a certain individual made his first appearance before a mike there have been many imitators but no equals. I refer to "The Red-Headed Music Maker," Wendell Hall. There are some who attempt the intimacy of his style of singing without success. No one else can be so red-headed. As we listened to his songs from Station WOK, Chicago, visions of a marriage ceremony performed in a broadcasting studio came to mind with Mr. Hall as an actor playing a leading role. Then, too, we recall with what feeling he sang of a girl in Chicago—now his wife.

Hail to the Liberty Bell! At least some merry makers paused long enough to hear its greeting to the year we enter. The suggestion was made in these columns two or three years ago that the sound of this great bell should reach every nook of these United States and, if possible, to people across the seas. So far as our own land is concerned it would be entirely possible with our present linking of broadcasting stations. Independence Day would take on a hallowed air were this feature given.

There is an organ in a theater in Omaha, Neb., familiar to a large part of the Radio audience through the combined efforts of station WOAW and Arthur Hayes, the latter organist for this "wonder organ." Mr. Hayes is complete master of the instrument and should bring pleasure to all lovers of this form of music. Mr. Craig was not putting it on too thick for Old Man Apple Sauce and Arthur Hayes when he said their programs were about the best in the country. Don't you think so?

An orchestra in the studio of Station WREO, Lansing, Mich., devoted an entire program to sacred and old-time songs, which they rendered in a pleasing manner. The vocal artists selected for the concert were entirely adequate and deserve to be heard again. The concluding number on the program, "The Star Spangled Banner," was quite in good taste since most of the familiar airs were of American origin.

Down in Florida—you've heard of that state—there is a powerful broadcasting station, WJAX, Jacksonville, and likely their programs are known to you, too. If not, try them out. Once in a while Radio listeners are privileged to hear cello solos of more than ordinary merit and one of those times was when WJAX (an old Cleveland call—remember?) had a performer of the instrument interspersed in a vocal program. Although the latter were worth listening to the cello numbers excelled.

Minstrels find a place on Radio entertainments every now and then with the hope that you enjoy them. Do you? Station WLW, Cincinnati, offered to its unseen audience recently the Crosley Burnt Corkers who included in their numbers a little sketch entitled "All Aboard," which had in it some humorous sidelights on a railway ticket agent's treatment of his customers, with Mr. Miller and Mr. Anderson providing the conversation. Singing by the entire ensemble of "darkies" followed.

ABC Radio Fundamentals for Everybody

Chapter III—How the Sound Waves are Put on the Air

By Milo Gurney

IN LAST week's article, it was pointed out that many of the colors produced electromagnetically, while invisible to the eye, were capable of being photographed. Radio waves also have color, but so far as known, it has been impossible to see or photograph them. It is this characteristic which has, in a measure, prevented its isolation toward a more definite explanation relative to its association with light.

The progressive steps up to the transmission of wireless intelligence has been shown through the explanations regarding both audio and wire telephony, each step being pointed out as requiring either the modulation of air currents, or of a continuous electrical direct current. Radio telephony is likewise very closely related to each as it requires not only a medium between the transmitting and receiving terminals, but also a means for the modulation, or moulding, of the current which is to travel this medium.

Microphone Old Idea

In Radio telephony, in place of an electrical direct current being used, advantage is taken of an alternating current, and it is this current which is modulated. This current is of a very high frequency, being quite beyond audibility. The purpose of the Radio receiver is to convert such received modulations into frequencies which are audible to the ear. Many of you have heard announcers refer to the word microphone, and have, no doubt, wondered whether it was another mystery word, coined only to make one's understanding of Radio more complex. Such, however, is not the case. A microphone is nothing more than a highly developed, supersensitive telephone transmitter, identical in the mechanics of its construction electrically, with the telephone transmitter which you use every day. Of added interest is the fact that the earliest of the telephone transmitters were called microphones, the word transmitter coming into use many years after the invention of the telephone.

Radio and Audio Frequencies

In order that my readers may not be confused, it seems expedient that both Radio and audio frequencies be defined, as from now on each of my discussions will carry many references to these terms.

Audio frequency may be defined as vibrations of any character which are audible or may be heard by the ear. Thus any sound, irrespective of character, which the ear can hear represents vibrations within the capacity of the ear drum to respond to and transfer to the auditory nerves. Conversely, radio frequency represents like vibrations which are of a speed or pitch beyond the ability of the ear to hear. Therefore, irrespective of their electrical source, if the created vibrations, or frequencies, remain outside of the possibility of hearing, they are termed radio frequencies, while those within such conception, are called audio frequencies. The question has often been asked regarding the range of vibrations audible to the ear. While this value varies in some degree, in accordance with one's sense of hearing, yet, in general, a frequency range of from 16 to 10,000 vibrations covers the total field audible to the average ear. These frequencies take in the lowest notes of the oboe as well as the highest notes of the violin. Hearing sounds above this register, usually results in pain as many of you may have experienced.

Modulation Is Essential

Modulation of the high frequencies as used in Radio is just as essential in order that we may understand their meaning after being converted when passing through our receivers, as is modulation of voice, or the direct current, used in telephony. In either case, each remain silent, or rather unintelligible until modulated. The whistling sound which is heard as one tunes in a broadcast station is but the tone of the carrier wave, or the unmodulated portion of it. As one tunes slightly sharper, his receiving circuit falls into synchronism, or step, with the modulated portion of the wave, and voice or music result. In all Radio receivers, it is of the utmost importance that both the radio and audio frequency components of the circuits contained must be kept very definitely within their respective pathways in order to insure the quality of reception which we desire.

My purpose, primarily, in emphasizing this point, is to caution the many constructors and designers of Radio receivers who blame all of the poor quality reception on the loud speaker which the owner uses.

While a voice transmitter is all that is required to modulate the direct current used in telephony, Radio transmitters, or microphones, as used in broadcast stations, require the addition of elaborate equipment for the modulation and amplifying of the voice or music energy emitted from the microphone. This energy is extremely small in comparison to the generated Radio wave. A descriptive explanation of such amplifying and modulating equipment is beyond the scope of these articles, it being sufficient to explain that their function is to momentarily add to, or subtract, wave energy from the circuit controlled by the microphone.

The amplifying equipment is not unlike that used in many receiving sets. It only differs in its almost unbelievable ability to magnify the original voice or music as it reaches this equipment, after

(Continued on page 24)

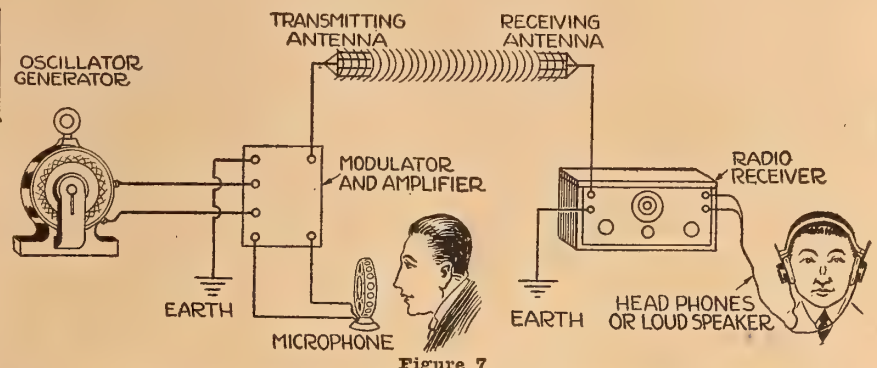


Figure 7

The Best Radio Affords!

$1.00 down!

FREE

Hydrometer and Voltmeter

As an *extra special* offer to those who hurry their order for the Radiotone Loud Speaker offered below, we shall include absolutely free a highest grade *Hydrometer* to test your "A" battery and a guaranteed accurate *Voltmeter* to test your "B" batteries. You need these two accessories if you want to keep your radio always at its best efficiency. A genuine $3.00 value—and given *free* on this special sale, while it lasts. So act quick!

Radiotone Loud Speaker

Only $1.00 with the coupon below brings this Genuine Radiotone loud speaker to your home on approval for 30 days! No radio is complete without a *good* loud speaker. Here's a first class loud speaker at an astounding rock-bottom price, direct—and on easy, monthly payments besides! Special now—Hydrometer and Voltmeter, $3.00 value, included FREE, if you send at once.

Makes Your Radio Complete

The Radiotone is super-sensitive, brings in distant stations with full volume so every one in the room can hear distinctly and easily. Wonderful clearness and absolute purity of tone. No distortion.

The Radiotone has a 14-inch horn made of Thorite in one piece without seam or joint, accoustically correct. This eliminates the metallic clang you often hear in other loud speakers. The reproducing unit is entirely enclosed at the base of the horn. The well balanced construction does away with all vibrations. The Radiotone has a graceful shape with a beautiful black florduline finish. It stands 23 inches high and weighs only 15 lbs. No extra batteries needed for the Radiotone—just plug it in as you do your head set. Nothing to wear out or get out of order. Sent complete with cord and plug.

30 Days Trial—$3.00 a Month

Straus & Schram, Dept. R-8411 Chicago, Ill.

Enclosed find $1. Ship special advertised Radiotone Loud Speaker. I am to have 30 days free trial. If I keep the Radiotone, I will pay you $3.00 monthly, total price $25. The Radiotone is to become my property as soon as you receive the final payment. If not satisfied, I am to return it within 30 days and you are to refund my money and any express charges I paid.

Radiotone Loud Speaker No. Y8726A—$25.00. Hydrometer and Voltmeter, FREE

*My Name*_____
(Head of the family must sign this order. If you are not of age, have your parent or guardian order for you.)

My Street Address
*R. F. D. or Box No.*_____

*My Post Office*_____ *My State*_____

*My Shipping Point*_____ *I have lived in this Town*_____ *years*

*And before that I lived in*_____ Town _____ State *for*_____ *years*

*Occupation is*_____ *Age*_____ *Married or Single*_____

Give names of merchants who know you personally

*Name*_____ *Town*_____ *State*_____

*Name*_____ *Town*_____ *State*_____

If you have ever bought goods **on credit** by mail, tell us from whom. If there is anything else you wish to tell us about yourself, write on a piece of paper and enclose it with this coupon. But the coupon alone, fully filled out will do.

That's all we want to know and we're ready to ship the goods at once. No formalities. No C.O.D. We trust rich and poor alike when they merely show us that they are honest.

When the Radiotone comes, there's nothing to pay. Use it freely at our risk, on trial for 30 days. See how loud, clear and distinct the Radiotone brings in all stations—better than any other loud speaker that you have ever heard, giving you the best that is in your set. After 30 days trial if you think you can get along without the Radiotone, return it to us and we will refund your dollar plus all transportation charges. No red tape. The trial costs you not a cent. But if you decide to keep the Radiotone, pay only $3.00 a month until you have paid the total rock-bottom direct price—only $25.00. See if you can equal this offer anywhere on such amazingly liberal terms. You'll scarcely feel those small monthly payments.

Send Coupon NOW!

Only $1.00 with the coupon brings the Radiotone on 30 days' trial, satisfaction guaranteed, your dollar refunded if not satisfied. Send the coupon now while this special offer lasts. **Hydrometer and Voltmeter FREE, if you act quick.**

STRAUS & SCHRAM

Dept. R-8411 Chicago, Ill.

A B C'S OF RADIO SETS

(Continued from page 23)

having passed through the microphone, in a ratio comparable to a million to one. Imagine, if you will, the result of magnifying, or rather amplifying, music or voice a million times greater than its original volume, and you then have some idea of the great credit due the Radio engineering fraternity, the scientific minds which have made this possible. This accomplishment, rather than Radio itself, remains as the uncanny part of Radio to me. I have never been able to comprehend just what the tiny atomic electrons within a vacuum tube thought of themselves while performing this marvelous work. Possibly they are too busy to think, which is nearer the solution of my query.

In figure 7 is shown the essentials comprising a modern broadcast station. Contrary to the general impression one gains after viewing the multiplicity of tubes, switchboards and—what you have—figure 7 still remians a picture of what it was all about.

Parts of a Station

Each station comprises a high frequency oscillation generator, a microphone transmitter, a voice amplifying and modulating system, a ground and an antenna. Beyond this, all else that you may see is, as my friend Horle opines, nothing but scenery.

The function of the alternating high frequency generator is that of producing the alternating current, which is radiated, or started, from the antenna on its way to your receiver, and upon which the voice or music is carried. Both the amplifying and modulating factors, as well as the microphone or transmitter, have been explained as the producers and moulders of the sound which the carrier wave of the alternator is to deliver to you. The antenna consists of a combination of wires, supported upon towers, from which they are insulated, and which connects directly with the output system.

Antenna and Ground

The antenna consists of a multiple of copper bronze wires, supported but insulated, from steel towers, which are usually placed in close proximity to the broadcast station. This antenna is directly connected with the output circuits of the broadcast station, and function as the medium for the reception and radiation of the modulated and carrier wave.

The ground consists of either connecting wires, which are connected to the station and embedded in moist earth, or a network of wires also connected to the station, which are placed directly beneath the antenna, though some distance from it. Such a ground is known as a counterpoise. However, the function of either type of ground is to act as a return medium for the current radiated from the antenna, after having passed through your receiver.

Thus, as we hear ourselves speak, through the completion of a return circuit from air surges, as I pictured in complete loops or return circuits as used in wire telephony, likewise, a Radio transmitting station cannot transmit, nor can your Radio receiver accept such transmission, unless it be provided with some form of return circuit.

All writers are ever conscious that possibly sufficient detail is not given to make possible a clear understanding of his subject by the reader. In this feeble effort to clarify the interpretation between audio, wire and Radio telephony, I may be justly accused of such carelessness, though I hope that my explanations have been somewhat more correct than those of the southern darkey, who was explaining to some of his friends how a snapping turtle just missed being gobbled up by an alligator, through climbing a tree. When told that he should be more careful in his statement of facts, because it was well known that a turtle could not climb a tree, he said: "Well, I know that, but in this yere case, that turtle just didn't have no choice, he jess had to climb that tree."

(In his fourth article, next week, Mr. Gurney will explain the fundamentals of Radio receivers and how the sound waves are taken in and mastered for your entertainment.—Editor's Note.)

ZINGARO CONQUERS

(Continued from page 7)

sunshine you want. And the dogs and the pony will do most of the work. How about it?" The rancher jerked his head toward a flivver a few feet distant.

But he did not forget that Zingaro was hungry. They went into a small restaurant where a stout woman in blue checked gingham soon prepared ample rations of thick slices of fried ham and a garnish of eggs.

It was a twenty-two mile drive to the Hanan ranch. There Zingaro met Barney, his saddle pony, Shep, the black sheep dog, and her overgrown puppy, Babe. The next day he met the sheep at the mouth of a canyon where the walls ascended straight up for 1,500 feet on one side and 300 feet on the other. Here he was to experience all the loneliness that sometimes drives the sheep herder from an incoherent mumbler to stark madness.

But Zingaro kept his head level. Pessimistic at first, he soon felt the glow of returning health and returning optimism.

"I don't know just when the melancholy left," he wrote in his story to the Radio Digest, "but it may have been the day I climbed to the highest cliff above the timber line, 12,000 feet, looked down at the gorgeous landscape and felt that I was king over all."

Then came the terror of the "Great Alone," as he called it. Starlight coming down through the crags—no human being within many miles. The bleat of the little stray lamb. The sad cry of the withered ewe with no milk for her young. The quavering howl of the lurking coyote and the maddening yip of the starving wolf.

Zingaro built his fire and sat with his thoughts. He read poetry. Days, weeks and months passed—

* * *

HANS PEDERSON, arriving with the chuck wagon brought an express package from town which Zingaro had been anxiously awaiting.

"Think you know how to put it together?" asked Pederson, for the signs had stated the contents to be a Radio kit and he had been wondering about it all the way over from town. Now Zingaro was more used to a coal pick than he was to a screw driver and soldering irons and somehow he had not noticed those details in the magazine advertisement from which he had ordered the set. But you never saw a Pederson who couldn't handle tools. So Hans stayed over to put the thing together. He had never seen one but he had read about them and the directions were as explicit as if John G. Ryan himself had written them.

"I don't see how it's going to perform without a wire to the telephone line, but we can see how it looks with the parts together," said Hans.

While Hans was adjusting the more delicate parts, Zingaro stretched the aerial wire from the top of the corral gate post to the chuck wagon. Hans attached the lead to the set which was now properly adjusted with batteries and bulbs in order. A crowbar had been driven into the earth for the ground connection.

Then came the portentous moment of turning the dials.

Suddenly loud and clear came a woman's voice rippling a song from an unknown world! It was uncanny, weird, impossible!

Hans was so startled he fell backward over a bag of potatoes and sat down in a basket of onions. His imagination had been unable to stretch beyond the string that only went as far as the corral gate. Anyway it worked and life took on a rosier hue for Zingaro.

* * *

Everything was DX for the sheep herder and his new set. Every night was silent night so far as local interference was concerned. So he began to compile a log. He listed most of the larger calls from coast to coast.

"I have mentioned about fifty-five stations but do not think they are all," he stated in his story. "The nights in the foothills are generally frosty and I can pick up some very far distant stations. And again some of the little fellows that go rambling in and out among the high peaks fall off and come toppling down to my Radio that catches and gives them to me."

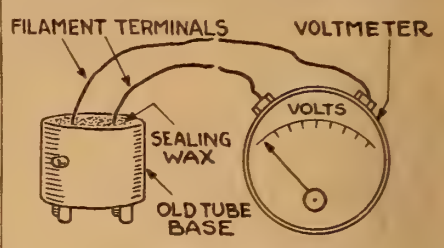
Thus the shackles of solitude that have harassed the sheep herder from the day Adam started working for himself were struck aside by this marvelous space annihilator, Radio. Music, comedy dialogue, university lectures, political speeches poured a copious stream into a word-hungry mind.

Surcharged with this flow, Zingaro felt the compelling urge to contribute his own expression of personality. He consulted his periodicals and answered other advertisements which brought him bulky packages of literature and finally a box with a portable typewriter. He toiled over the rules of preparing manuscript.

Finally came to the Radio Digest, a little story about himself in the third person. He was asked for more details and pictures and he replied with a second manuscript (from which this story was compiled) and seven pictures. We do not print Zingaro's story as he wrote it for his own sake. When he reads more and writes more he will be glad that we didn't. He has the spirit and soul of a real writer, but fate started him out in an unfavorable environment. Now he is hoping the "twelve hours of daily sunshine and 100 per cent air" that have brought him vigor and health may, with much listening, reading and study, help him to go back to the East a man of fame and letters.

Connections Tester

Most set builders do not like to put the tubes in a set they have just built as, in case of a short circuit, they would be blown. Take an old tube base, scrape it out and solder two number 18 rubber-covered wires to the filament terminals. Then fill the base with sealing wax and



fasten the other ends of the wires to the terminals of a cheap voltmeter. This saves bulbs and the voltmeter will register 22½, 45, 67 or 90, as the case may be, and show you which B circuit is shorted into the filament wiring if you have made a mistake.—Momo Hunter, Milwaukee, Wis.

Hydrometer Is Necessity

There are many fans who charge storage batteries without testing them with a hydrometer to see whether the batteries have been fully charged. Without the use of this instrument the fan cannot tell in what condition the battery is, and if it is not charged at certain intervals its life is materially decreased. A hydrometer is one of the best investments the B. C. L. can make.

A carefully installed indoor antenna will often give very nearly the same results as an outdoor aerial.

A crystal detector, as well as a vacuum tube detector, can be amplified to almost any degree.

This Aerial Gets Everything But Noise

DRAY RADIO LABORATORY
Precision Radio Apparatus Tests

KANE ANTENNAE COMPANY — 6 EAST LAKE ST., CHICAGO

Gentlemen: December 24, 1925

As you requested we are enclosing under separate cover a picture of the Kane Antennae you recently installed on the roof of our building, at Lake and State Street, Chicago. As you know, we have never here at the Laboratory been able to get clear reception from distant stations. As soon as we turned on enough power to bring in the DX we of course picked up the electric sign noises, the elevated noises, the telegraph office next door, the street cars, the elevators, etc. Loop sets with their strong pick-up of local noises were particularly bad. For the last couple of months we have been getting letters from our dealers telling us that if we could only figure out some way to install radio sets near power noises with some scheme of Antennae that would bring in the distant stations with less of the local noises, that they could sell more sets in difficult places where all makes of radios had proved too noisy for satisfaction. In many cases these dealers could not give decent demonstrations in their own stores. Finally we heard from Henry Stahl and Son, our dealer at Elkhart, Illinois, that they had eliminated the interurban and power line noises at their store by the use of a Kane Antennae. This was what led us to ask you to show what you could do for us at the Laboratory. Last night when we tested out your eighty foot transposed antennae and counterpoise, we were very much surprised. We had distant reception of very good quality. We checked back by using the usual type of ground and the ratio of power noises to music increased several hundred per cent, rendering the reception absolutely unsatisfactory. Then we would switch back again and get very excellent reception. We are enclosing a check in payment of your invoice. We are going to tell all of our dealers about our experience. After all the perfect schemes that we have wasted time in trying, we are glad to grant you the permission of publishing this letter if you care to.

Very truly yours,
DRAY RADIO LABORATORY, By W. R. Dray.

The KANE ANTENNAE entirely eliminates all power noises such as leaky Transformers, Generators, Motor hums, Delco Plants, etc. Power noises cause more trouble than all other forms of Radio interference. Get rid of them NOW by ordering a KANE ANTENNAE.

Get Facts NOW About The Kane Antennae

We will send you working drawing with instructions for erecting this wonderful Antennae for a dollar bill (a check will do). If, after looking over the drawing, you decide you would rather have a factory-built Antennae than build one yourself, we will take back the drawing and allow you full purchase price on an order for an Antennae.

The Special Kane Antennae for Radiola Super-Het's.....$10.00
The Regular Kane Antennae for all other sets that use a ground connection. 20.00
Working drawing with instructions for erecting..... 1.00

(Stamps not accepted)

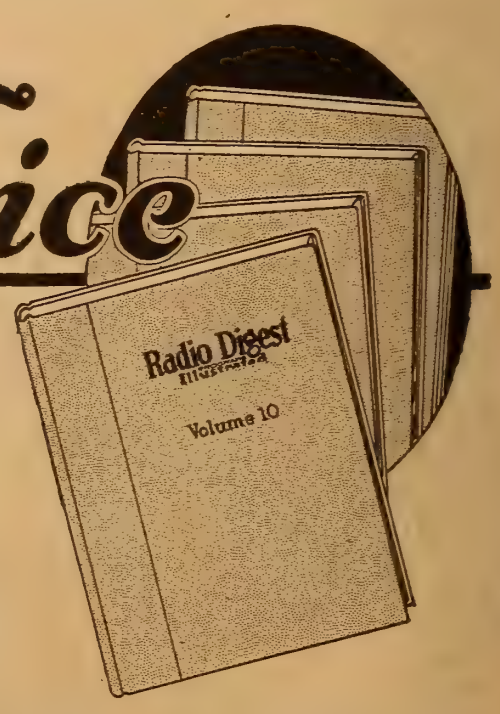
Postpaid to any part of the United States or sent C.O.D. when 25 per cent of price accompanies order.

THE KANE ANTENNAE CO.

Dept. 823A, 3343 W. Monroe St. Chicago, Ill.

JOBBERS—DEALERS: Send at once for attractive proposition.

Your Choice



Limited Number Available

We have a limited number of bound volumes which we are disposing of at a low cost to readers of Radio Digest. Fill in the coupon below immediately. This offer holds good only on the following volumes, while they last, 8, 9, 10, 11, 12, 13 and 14.

Special Price, $1 per copy

or 3 FREE with one year's subscription to Radio Digest at $5 per year

Act Now
Before It Is Too Late

Radio Digest, 510 N. Dearborn St., Chicago.

Gentlemen:

Enclosed find $..... Please send the following bound volumes of Radio Digest at $1 per copy.....

.....

Please enter my subscription for one year to Radio Digest at $5 per year and send the following three volumes free.....

NAME .....

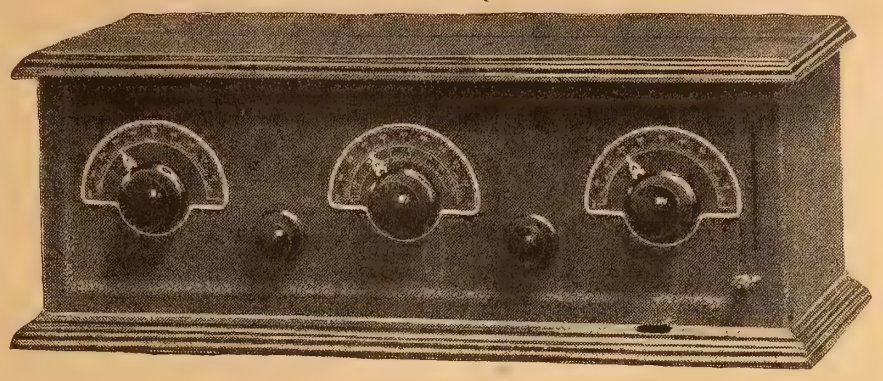
ADDRESS .....

.....

OPERATING AND TROUBLE SHOOTING

OPERATING and Trouble Shooting, is a Radio Digest feature, the purpose of which is to give practical information on the operation, care and cure of simple troubles in every kind of receiver. Standard Radio receivers of wide distribution and use are studied from the standpoint of instructions for installing and connecting, tuning and operating, and remedying little difficulties. The suggestions below, if executed faithfully, will make winter broadcast listening yield all there is to yield to the reader and give your set a fair chance to show its worth.

For the Owner of a Stewart-Warner Receiver



THIS is a most handsome outfit with mahogany crackle finish panel, a solid attractive cabinet and gold finished dial scales. That was what first struck the writer when Model 325 was hauled out of its heavy corrugated board packing. So many sets that are exceptional in results present such a poor appearance that to the feminine mind they are impossible in the parlor. This one is a delight to the eye.

The antenna lead-in wire and the connection to ground should be as short as is reasonably possible and should not be run together at any point. Many Radio set users bring these leads together at some point say five to ten feet from the set and then twist them together for the rest of the way. Do not do this under any circumstances. The wire from the aerial is to be brought into the set through a hole provided in the rear of the cabinet near the left end, directly behind a binding post identified with the word "aerial." About three inches to the left is a similar hole and binding post for the ground wire.

Two small jacks are provided for the cord tips on the speaker cable and it should be noted, in particular, that one of these is marked "—" while the other is marked "+." The terminals of the speaker cord are identical except that in one there will be found a red or blue tracer woven into the covering. This means that the phone tip on this wire goes in the "+" jack on the set, while the unmarked tip goes in the other small jack. The battery connections are taken care of by a five wire cable, the coverings of each wire being of a different color scheme. Thus you cannot well make a mistake in connecting the batteries with the consequent chance of burning out a tube or two.

Accessories Required

For operation this receiver requires one 6-volt storage battery, or its equivalent in a way of an "A Battery Eliminator," and two 45-volt B battery units, either dry cell or storage, or their equivalent in a "B Battery Eliminator." One of the storage battery terminals will be found to be marked POS. or + or with a dash of red paint. This is called the positive terminal and the other is the negative. That wire of the battery cable which is pure yellow in the color of its covering must be attached to the positive post of the battery. That which is black with a yellow tracer thread woven in, goes to the negative. Should a Philco, Gould or Cooper power unit for "A" supply be used, it will have these same two terminals, + and —.

We tried the set on both B batteries and B eliminators with equally good results, connections being as follows: One of the B batteries will be found to have a minus post to which you attach the black covered wire with red tracer thread. This B unit also has a plus 45 post to which the maroon covered lead is connected. The other B battery has a minus post and the short black wire soldered to the maroon lead by the manufacturer goes to this minus post on the second B battery. The bright red lead goes to the remaining plus 45 post of this second battery. In the case of the B eliminator, however, there will be found three binding posts, B—, B+45 and B+90. The black and red lead goes to B—, the maroon lead goes to B+45 and the short black connector is to be cut off. The bright red covered wire goes to B+90.

Aerial and Ground Connections

As to aerial, it may consist of a single wire between 50 and 100 feet in length, measured from the end furthest out, to the set. The writer would recommend the enamelled wire marketed by Belden for use as antenna, as it will not corrode and will never need replacing except in case of actual breakage. Use porcelain or Pyrex glass insulators at each end of the straightaway portion of the aerial and either extend the wire itself down to the set or use heavy rubber covered lead-in wire which is soldered to the straightaway close to one end just inside an insulator. In either case the lead-in portion should be kept clear of the building by insulators and kept from swinging, which would cause crackling noises and gradually tear off the insulation. Bring it into the room either through a porcelain tube or by one of the flat insulated strips on the market which go under the window sash.

The ground in most cases can be made to a cold water pipe. These instructions have been in print many hundreds of times before but for the benefit of the new owner of a set they will be briefly run over once more. Scrape the surface of the pipe for a length of about two inches, so you get through the corrosion, and the exposed metal is bright and shiny all the way around. Then put on a ground clamp such as can be purchased at any Radio or electrical store for this purpose and connect a wire from the ground post of the set, to this ground clamp. Remember, while it is not half as much trouble to install as the aerial, it is just as important and the set will not function properly without a good electrical connection to ground made in this way.

The country user of this, or any other set, can best get a ground by burying several large pieces of metal in a spot usually damp and soldering a connection from each one to the ground connection wire. Old wash boilers, pipe, edge-of-roof gutter, chicken wire and cylinder head shims are suggested. It is easier, if a pond or spring is close, to drive a length

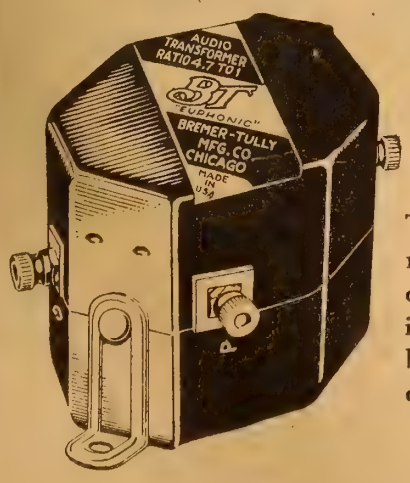
(Continued on page 26)

for **PARTS**
or **COMPLETE SETS**
you can't do better than choose

B-T PRODUCTS

They are designed for radio use by radio experts

Just as the COUNTERPHASE and the NAMELESS circuits are the year's acknowledged leaders, so is the



B-T AUDIO TRANSFORMER

A LEADER

They are preferred by experienced radio fans who appreciate high quality in amplification. Try them in your set—measure their worth by results and the price is not distorted.

2.2 to 1....$5.00
4.7 to 1.... 5.75

WHY TAKE LESS

When you can get B-T apparatus? All dealers who sell on quality can supply you with B-T parts and kits. Before you buy examine them.

"Better Tuning" describes and illustrates all B-T hook-ups. Sent for 10 cents
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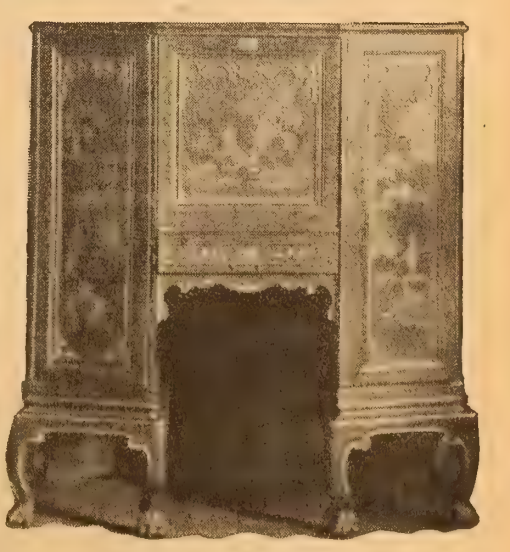
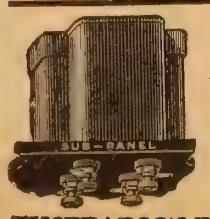
BREMER-TULLY MANUFACTURING CO.
532 So. Canal St. Chicago, Ill.

THORDARSON
Super
TRANSFORMERS
Standard on majority of quality sets

In sets priced as high as $2000 you'll find Thordarsons!



IS your radio set lacking in clearness and volume? To give it a *tone quality* comparable with that of the finest receiving instruments, replace the present audio frequency transformers with Thordarsons. Your dealer carries Thordarsons, *identical* with those used by nearly fifty leading manufacturers whose sets are priced as high as two thousand dollars each. Follow the lead of the leaders—amplify with Thordarsons. Write for interesting literature.



Types and Prices

Thordarson Super Audio Frequency Transformers, sub-panel or top mounting type: 2-1, $5; 3½-1, $4; 6-1, $4.50. Thordarson Power Amplifying Transformers, $13 pair. Thordarson Interstage Power Amplifying Transformers, $8 each. Thordarson Autoformers, $5 each. All Thordarsons are unconditionally guaranteed. If dealer cannot supply, order from us.

THORDARSON ELECTRIC MANUFACTURING CO.
Transformer specialists since 1895
WORLD'S OLDEST AND LARGEST EXCLUSIVE TRANSFORMER MAKERS
Chicago, U.S.A.

ZENITH
KENNEDY
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Silver-Marshall
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Newport
BUCKINGHAM
NUNN-LANDON
KUSTOMBILT and *many others* use Thordarsons

Also choice of the MacMillan Arctic Expedition

STEWART-WARNER SET

(Continued from page 25)

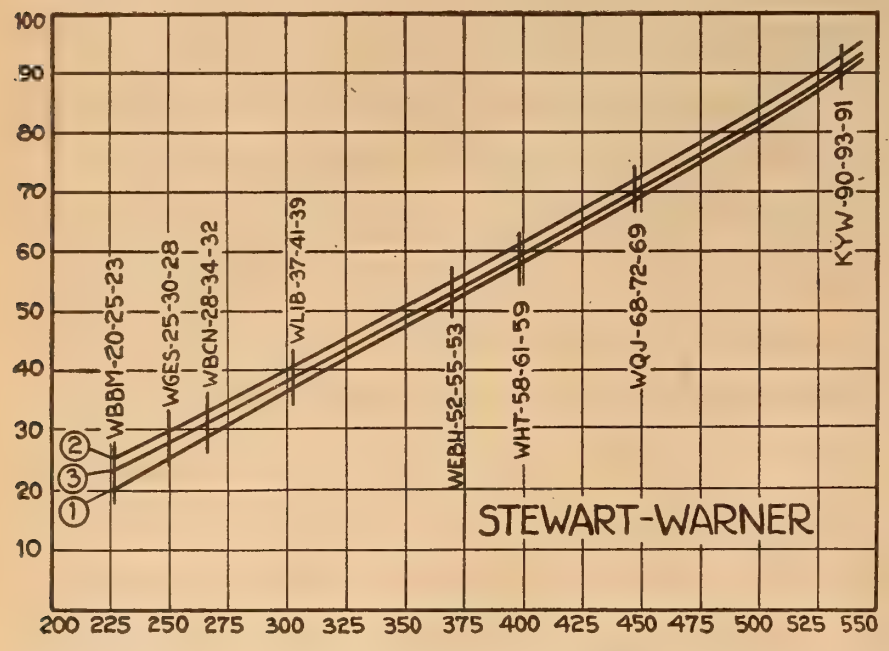
of rod into the ground in the wet soil and attach wire to this rod with a ground clamp.

The accessories having been connected we are ready to put the Stewart-Warner into operation. This receiver requires five tubes or bulbs, known to the Radio fraternity as "A" tubes, because the manufacturers identify them as UV-201A or C-301A or M-401A, etc. The majority of dealers today have a tube testing device of some kind and you should insist on your tubes being tested, not only for filament lighting, but for amplification. If any one of the five tubes is inefficient the results will be most unsatisfactory even though all tubes light. Turn the small switch knob in lower right corner to the left which is the "Off" position and insert the tubes in the five sockets. Now set "Volume Control" knob and "Battery Control" knob so each points upward and slightly to the right, a "2 o'clock position." The switch in lower left corner may, for this first test, be turned to the right.

Now turn switch at right, to the right, the "On" position, and the tubes should all light up. This will not be bright, as you would expect from an electric light bulb, as these filaments are not of the type to get that bright in normal use and the inner surface of the glass bulb is coated with metallic magnesium which prevents anything but a slight glow from getting out around the lower edge.

The dial numbers on the first and third pointers have no connection with the wave length on which a station may be transmitting but the center dial is provided with an auxiliary scale below the 0 to 100 scale, giving the approximate position of the pointer for settings by meters. The center pointer and that at the right (number 3) will run pretty close together in their settings for the various stations and the first pointer will not be far from them. It will, however, be somewhat different because the apparatus which it controls is influenced by the antenna and ground connections and these differ in every case.

As a starter, set all three dials at 39 which is in the section in which one finds such stations as KDKA, WLIB, WSMB and KTCL. Now place one hand on dial 1 and the other on dial 3 and move them slowly back and forth between 36 and 42 on their scales. If nothing is heard set dial 2 at 40 and repeat this operation.



If no results, turn the "Volume Control" knob a little further to the right and try again. It may be that the "Battery Control" knob should be turned further to the right also. A combination of settings of these two knobs and the dials will be found that will bring in programs. Once a station is tuned in, bring it to maximum strength with the dials, very carefully, and then turn "Battery Control" knob to right to the point where further turning does not help, and leave it. Then turn "Volume Control" to right until signals become a little distorted and leave just to left of this point.

This "Volume Control" is the key to long distance and clear volume. Its position will have to be altered slightly with each new setting of the large dials and in each case it will be found that it can be turned to the right just so far and a maximum of range and volume will be had before distortion shows. When a powerful local is tuned in and the volume causes distortion, due either to overloading of the last tube or rattle in the loud speaker, turn the small switch at left, to the left, which will reduce the volume and clear up the program. When looking for long distance stations, though, this switch should be at the right or "Full Volume" position as otherwise you might not hear the program at all. When through using set, simply turn switch at right to "Off" position.

(The Day-Fan five tube single control set will be discussed in the next issue.—Editor's Note.)

RADIO BILL PROGRESS

(Continued from page 10)

plane that inventive genius and mechanical progress will permit. The law in force today does not provide establishment of such a system."

The secretary said, in discussing the bill, that three facts are settled: first, that Radio legislation is absolutely and immediately essential if we wish to prevent a chaos in Radio communication, especially broadcasting; second, the bill now proposed has already received substantial approval; and third, the principles in this bill have received the approbation of both the Radio industry and the Radio public.

Davis Tells of Congestion

Judge Stephen B. Davis, solicitor of the department of commerce, went into the provisions of the bill in detail and outlined the increases in the Radio industry and the congestion that is filling the ether. He expressed himself as heartily in favor of the provision of the bill providing for an appeal committee to consider a decision of the department.

Representative S. H. Appleby and Representative E. R. Ackerman, both of New Jersey, appeared before the committee and filed protests at the high power used by the Radio Corporation superpower station at Bound Brook, New Jersey.

E. S. Wilson and W. E. Harkness, both of the American Telephone and Telegraph company, and S. Brown, of the Radio Corporation of America, appeared before the committee, endorsing the bill, and J. L. Nicholson, representing the U. S. Shipping board, appeared, asking for minor changes on behalf of the shipping board.

But One Opposes Bill

Other witnesses appearing before the committee included Paul B. Klugh, executive chairman of the National Association of Broadcasters; H. W. Smith, National Carbon company; Major J. O. Mauborgne, U. S. Army signal corps; Emil J. Simon, president of the Intercity Radio Telegraph company; Captain Ridley McLean, director of naval communications, U. S. Navy, and Lieut. E. M. Webster, U. S. Coast Guard. All of these witnesses appeared in favor of the bill except Mr. Simon, who said that the present law is good enough and he opposed additional restrictions as provided for in the new draft of the bill.

Howell Charges Monopoly

But in the senate, where Senator Howell has introduced a free ether bill, a real conflict is expected. Senator Howell stated that he has been informed that claims of vested rights in the ether are contemplated by some parties and that was his reason for trying to get action by congress declaring the ether free.

Judge Davis was also called to testify at the senate hearings of the Howell ether bill and the Dill Radio control bill. He outlined the development of the Radio industry up to the present time, including a full discussion of the present law under which the department operates and which was passed in 1912. In answer to questions of the committee, he said that in his opinion, none of the present broadcasters have a vested right or could claim a perpetual license.

The Radio licenses for broadcasting are divided about as follows, he told the committee: stores, including Radio stores, have 124 stations; colleges and schools, 94; churches, 43; publishers, 35; manufacturers, including Radio manufacturers, 30; states and municipalities, 15; banks, 15; hotels, 12; societies, 11; and scattering, 22.

United States Tax Free

Judge Davis also called attention to the fact that the United States and Canada are the only countries in which the listener in does not pay something in the way of a tax or license, which is paid largely to the broadcaster for his entertainment. (Editor's Note.—The judge is partly in error, for Canadian listeners in do pay an annual fee, but only in Manitoba does a part of this revenue go toward the maintenance of broadcasting.) He said also that at the present time there are more stations than there should be for good broadcasting results and that it would be unwise for congress to allow perpetual licenses to anyone and he strongly contended for a limited license.

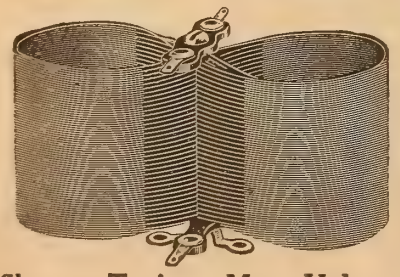
In response to questioning by members of the committee, Judge Davis expressed the opinion that some of the provisions of the bill will provide for the killing of any monopoly of broadcasting stations; that the licensee gets a valuable property when he gets a wave length from the government that will increase as time goes on; that no person, or unified group of persons, should be allowed to own more than one station, and that more than 200,000 persons were employed in the Radio industry.

Educators Give Testimony

Dean J. H. Umberger, of the Kansas Agricultural college; C. W. Warburton, of the bureau of extension of the department of agriculture, and Prof. F. G. Helyar, Rutgers university, were also heard

(Continued on page 29)

NEW and BETTER



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Unitrola: Single Dial Phonograph Receiver

Part II—Assembly of Apparatus

By Carl Patterson

PROBABLY to those who have built one or more receivers before, the assembly of Unitrola will present but little difficulty, but for those who may be tackling this outfit as their first experience at building a set I am going into all details. Even the more experienced may be reminded of one or two points they have been forgetting. To begin with, we have in figures 2 and 3 what are known as layout diagrams. Figure 2 includes also the detail for constructing the special brackets necessary and the binding post mounting strip. The main part of figure 2, however, is the layout of the front panel and this must be enlarged to full size for a drilling template. With a sheet of flat, unwrinkled paper a little larger than the panel size, a ruler and sharp pencil you can readily enlarge this drawing. Possibly the best way, to insure right angles, is to lay the front panel itself on the paper and draw closely around it.

Start at Left

You will find that practically all the holes fall on but two or three lines both vertically and horizontally. It is a good idea to start at the left and work across toward the right. Be especially careful of the placing of the holes in the upper center as the three condenser mounting holes and the shaft holes must be exact or there will be trouble. It is better, naturally, to have the other holes as exact as possible also but there will not be the consequent trouble if they are not. It should be noted that the upper center-group hole is for one make of dial only. If you use a Mar-co dial, for example, this hole above shaft would not be put in but there would be a hole ¾-inch below the shaft hole. If you use the non-vernier dial furnished, no special hole is needed.

A large, flat surface, preferably a bench top, or at least a breadboard or piece of plank, is now required. The 7"x12" panel is placed face upwards with the drilling template, cut to size, squarely on top of it. The template should either be clamped to the panel with small C clamps or pasted to it lightly with a touch of paste in each corner. A center punch and a hammer are next used and a light tap with the hammer, and the punch carefully placed at each cross, will put a little dent in the panel beneath. With all holes marked, the template is removed. In drilling, watch the sizes carefully as the holes cannot be made smaller once they are in. If you do not have every size called for, use the next smaller size drill you do have and ream to size. In connection with the 5/32 holes, it will be found that a 9/64 drill will do if the larger size is not in your collection. The drilling should be done with the panel flat on the surface mentioned and preferably clamped to it. Do not try drilling on an uneven surface as many of the holes will chip out on the underside.

Sub Base Panel Needs Care

The same procedure is then followed with the diagram of figure 3 and the large sub base panel. Greater care is necessary for exactness in placing here, as most of the holes are in pairs and it would require reaming later to get apparatus mounted. All holes in this sub base are 5/32 or 9/64. The binding post mounting strip can be prepared either by making a small template or marking directly on the bakelite with pencil or pointed tool. The aluminum brackets should present but little trouble as you probably either have or can borrow a pair of metal snips. The bracket layout of figure 2 can either be marked on the aluminum itself or a paper pattern made. Make two of these aluminum pieces, but when it comes to bending them remember to bend the flanges on one to the left and on the other to the right. To get a good, even bend, it might be a good idea to score one side lightly with a pointed instrument, along the lines indicated and then bend with heavy pliers. If you have the right place, another method is to clamp the bracket to the edge of a heavy bench with the scored line exactly on the sharp edge and bend the flange down with a hammer.

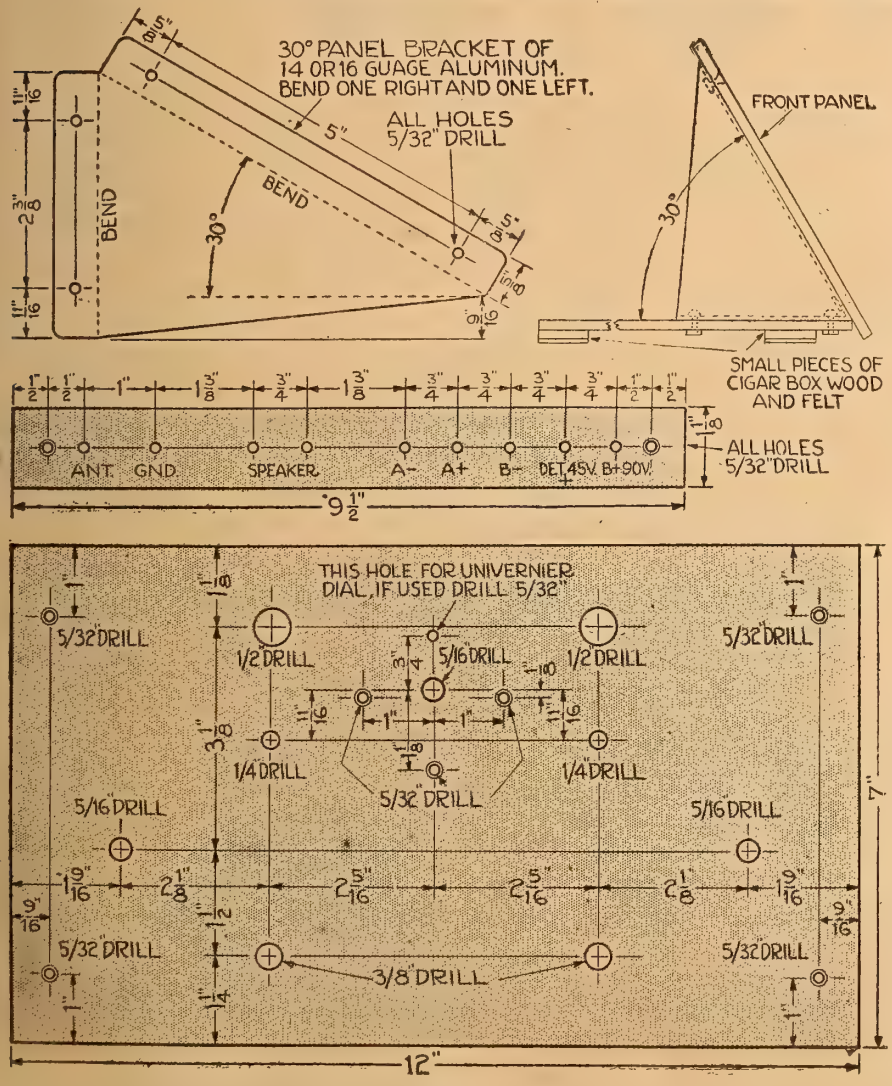

Figure 2

In mounting apparatus, follow the common-sense procedure of putting on the sturdier pieces first. Put the rheostats on the front panel first, the 15-ohm size going in left hole at the bottom. The 30-ohm is placed in the lower right hole. Then put the 200,000-ohm C-R-L unit in the left hole 2¾ inches from the bottom and the 500,000-ohm C-R-L unit in the right hole across the panel from the first. The condenser comes next and is mounted with stator plates downward. The compensator shafts project through the ¼-inch holes about 2 5/16 inches each side of center. If care has been used in punching and drilling, the three mounting screws and the shafts will all pass through their allotted holes without trouble. If the mounting holes do not quite match up, a little reaming, with pressure toward one side, will correct this enough to get the screws in. Always remember when putting on an instrument of this kind to just start the three screws and tighten up a little on each, going from one to another so that they all reach tightness at the same time.

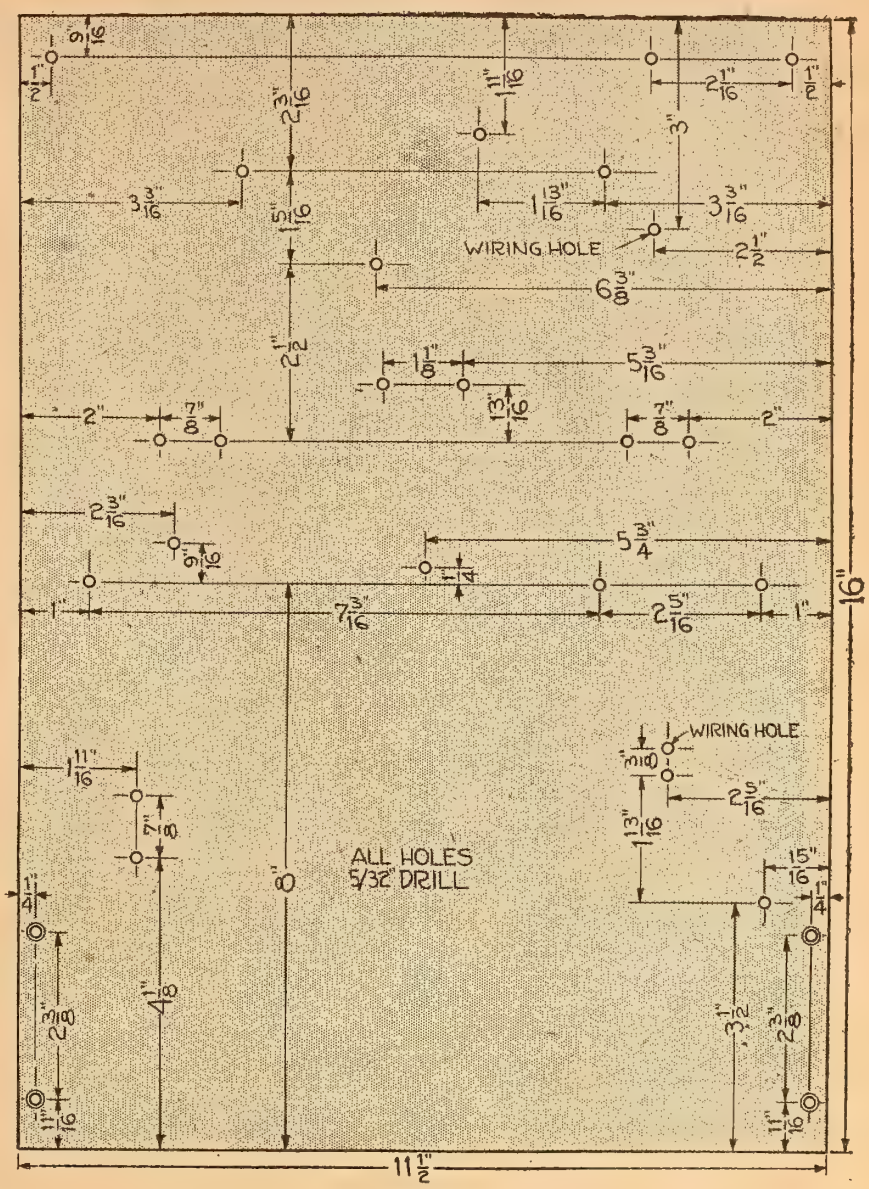

Figure 3

Mounting of Lights

The Dialite is mounted by a single ½-inch hole, the one to the left and above the condenser. This is to be tightened in place so that when the hood is turned toward the off position, the opening is upward and, when in the on position, the light will shine out across the dial. The pilot light goes, of course, in the right hole just above condenser. The dial comes last and, as most manufacturers of dials include very complete directions for their assembly and mounting, it will probably go on without complications.

Going now to the sub base, place the Amperite mounts in position first, their holes being just back of center, fore and aft, and slightly each side of center crosswise. Study of the photograph, figure 4, will make their positions clear. The Grid Gate mounting, Daven No. 50, is then placed on the hole 8 inches from front and 3 5/16 inches from right edge. A Sangamo .5-mfd. condenser is then secured in the rear right corner with the terminals forward and the right mounting lug used on the hole at rear right of sub base. The other .5-mfd. condenser is mounted with terminals to the right and the rear lug used, on the hole 8½ inches from front and 2⅛ inches from the left edge (refer to figure 4).

Sockets and Transformers

The five sockets are next. The one at the extreme left is mounted with P and

(Continued on page 28)

CROSLEY

Powel Crosley, Junior

has always done the unexpected.

His Announcement of December 26th

was no exception to

that rule.

RADIO

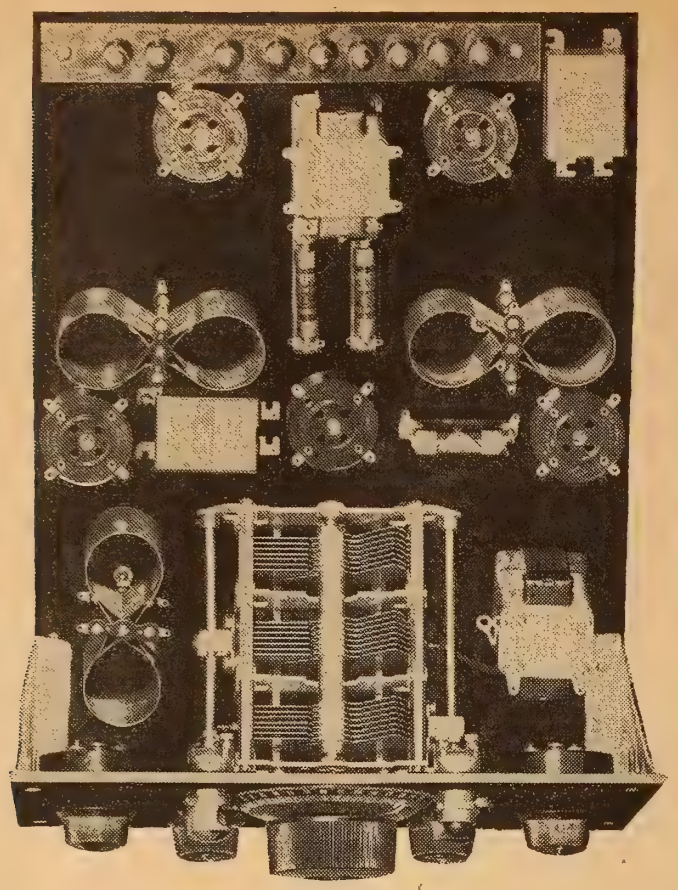

Figure 4

MAKING THE UNITROLA

(Continued from page 27)

G posts outward (to the left); that at the center is placed with P and G toward the rear; that at the right is secured with P and G outward (to the right). Going now to the audio frequency tube sockets at the rear, both are mounted with P and G toward the front. Place one of the audio transformers in the front right corner with Grid and Plate posts to the rear. The other transformer goes in the center to the rear and with its P and G terminals to the rear. The rear left and front right mounting holes are used on the first mentioned transformer while the front left and rear right holes are used on the second one.

The binding post mounting strip is placed across the rear edge and the two end holes used for mounting. I used two ¾-inch high, nickeled pillars for this purpose with a screw coming up through the bottom and another passing through the strip and downward into the pillar. Round head screws were used at all four points. If you do not have such pillars and cannot get them at your Radio store, long screws can be used and binding post terminals from old dry cells stacked up to about ¾ inch on them. Little square blocks of wood could also be used, measuring 1 inch square and ¾ inch high, with wood screws used at each end.

Placing of Coils

The coils come last and should be handled most carefully. The Twin-8, which goes in the left front corner, is placed with G and B terminals to the right, while the other two are placed with G and B toward the front. I used round head, 6-32 screws for securing the coils, transformers, condensers and Daven mounting, and flat head 6-32 screws for the sockets and the Amperites. The front panel and sub base can be secured together with the brackets and the 6-32 screws to be sure that all fit correctly but will have to be again separated for wiring, as much of it can best be done on the sub base alone.

On looking over the set once more I notice a couple of mounting points not quite covered above. The rheostats are placed with terminals inward, the C-R-L units with terminals downward. This cannot be clearly seen in the photograph and would not otherwise be clear. All sub base mounting machine screws are to be cut and filed off flush with the nuts on the under side.

(This completes the assembly of the parts and in next week's issue, Mr. Patterson will cover the wiring, wire by wire, so that no mistakes can be made—Editor's Note).

ADVANCE PROGRAMS

(Continued from page 21)

Erving, baritone; Louise Bohmrich, violinist; Prof. Edwin Franze, pianist; J. V. De Cimber, pianist-composer; talk, F. W. Vaugh, "Electricity."

WSUI, Iowa City, Iowa (483.6m-620kc), 12:30 p. m., duets, Mrs. Mildred B. Paddock, soprano; William G. Edmondson, Jr., tenor.

Mountain Time Stations

CFAC, Calgary, Can. (435.8m-690kc), 8-9 p. m., ladies trio, May Hockey, cellist; Miss Beerling, pianist; Gladys Foster, violinist.

CNRE, Edmonton, Can. (516.9m-580kc), 7:30-8 p. m., music.

KFWA, Ogden, Utah (251m-1150kc), 4-5 p. m., organ recital, Paramount theater; 5-6, Ogden Radio Dealers program.

KOA, Denver, Colo. (322.4m-930kc), 12:15 p. m., Rialto theater musicale; 3:15, relaxing and corrective exercises; 3:30, matinee for housewives; 4, culinary hints; 4:15, fashion review; 6:30, dinner concert, Brown Palace string orchestra, Howard Tillotson, director; 7:30, preview of international Sunday school lesson; 8, studio program, violin solos, Mrs. Edith Sindlinger Wible; address, "The Opportunity of the Youth of Today," Rev. C. F. Stevens; cornet duet, William Wible and Thomas DeHaven; instrumental selections; soprano solos, Mrs. Marie Stevens Murphy; instrumental selections, KOA orchestra; 9:30, special DX program for overseas listeners.

KOB, State College, N. M. (348.6m-860kc), 7:30-8:30 p. m., musical program, Mrs. H. C. Rivers.

Pacific Time Stations

CNRV, Vancouver, Can. (291.1m-1030kc), 8:30 p. m., Rhena Marshall, soprano; Mrs. F. X. Hodgson, contralto; Russell Hawes, tenor; Donald Hyslop, baritone; James Todd, pianist; 10:30, Cabaret Belmont orchestra; Bebe Mullar, soprano.

KFI, Los Angeles, Calif. (468.5m-640kc), 5:30-6 p. m., Kenneth Morse and his dance orchestra; 6, nightly doings; 6:15, KFI's Seeing California; 6:30, vest pocket program; 6:45, Radiotorial period; 7-8, Carlyle Stevenson's dance orchestra; 8-9, Aeolian organ; 9-9:30, Clyde Sparks, baritone; Wesley Tourtelotte, pianist; 9:30-10, Mutual Motors mirth contest; 10-11, Ionian male quartet.

KFOA, Seattle, Wash. (454.3m-660kc), 12:30-1:30 p. m., program; 4-5:15, Wm. F. Hoffman's orchestra; today's recipe; 6-6:45, Hoffman concert orchestra; 6:46-8:15, program; 8:30-10, Times studio program.

KFON, Long Beach, Calif. (233m-1290kc), 4:30-5 p. m., amusement bulletin; 6-6:30, organ, Brayton's theater; 6:30-7, Captain's Inn orchestra from Seal Beach; 8-9, Press-Telegram program; 10-12, Long Beach Elks No. 888, frolic.

KFWB, Hollywood, Calif. (252m-1190kc), 7:10 p. m., Safety First talk by Officer E. G. Brown; 7:20, Jack Boaz, fishing and hunting scout; 7:30, Eye-o-logue, Dr. Marshutz; 7:40-8, microphone brevities; 8:30-8:45, international test program; 9-10, program, John Wright, The Right Tailor, Chico de Verde trio; Raquel Nieto, soprano; Frank Stever, baritone; 10-11, Warner Brothers frolic, direction Charlie Wellman.

KGO, Oakland, Calif. (361.2m-830kc), 7:15-7:30 a. m., health training exercises, Hugh Barrett Dobbs; 7:45, "Pep Class," Hugh Barrett Dobbs; 8:15-8:30, health training exercises, Hugh Barrett Dobbs; 8:30, daily strength; 11:10, home-making talk, Prudence Penny; 3-4 p. m., Nathan J. Landsberger, violinist; Sofie Woolfe Leon; Margaret Lloyd, soprano; Alice Meyer and Joseph Salvato, pianists; program, Pacific Coast Musical review; 4-5:30, concert orchestra, Hotel St. Francis, Vinton La Ferrera, conductor; 6-6:55, dinner concert, Knickerbocker trio; 6:55, news items; 8:45-9, Josephine Holub, violinist; Joyce Holloway Barthelson, pianist; Jennings Pierce, tenor.

KGW, Portland, Ore. (491.5m-610kc), 7:15 a. m., Y. M. C. A. physical culture exercises; 10:30-11:30, town crier; music; household hints; shopping guide and news items; 12:30-1:30, concert, Oregon Radio Trades association; 6-7, dinner concert, Olds, Wortman & King company; 7:30-7:45, news items and sporting results; 9-10:30, concert, Sherman, Clay & company; Duo art-studio; 10:30-12, Hoot Owl frolic.

KHJ, Los Angeles, Calif. (405.2m-740kc), 6-6:30 p. m., Leighton's Arcade cafeteria orchestra, Jack Cronshaw, leader, 6:30-7:30, history story, Prof. Hertzog; Richard Headrick and Vyola Von, screen juveniles; story by Uncle John; 7:30, "Romance of Santa Fe Trail," Gladys De Witt; 8:30-8:45, special international Radio week program; 9-11, program, Western Auto Supply company.

KMTR, Hollywood, Calif. (238m-1260kc), 5-6 p. m., home hour, Mammy Simmons and pupils of Carter Weaver; 7, "Color Photography," Charles W. Beam; 7:30, "Wonders of Nature," Prof. Alfred Cookman; 8:30- 8:45, special broadcast for international tests; 9-10, Turner orchestra, direction Loren Powell; 10-11, Starr Piano company studio.

KNX, Hollywood, Calif. (336.9m-890kc), 5-5:30 p. m., Sunny Jim's story; 5:30-6:15, Wurlitzer pipe organ studio; Town Tattler; 6:15, travel talk, W. F. Alder; 6:30-7, Atwater Kent concert orchestra; 7-8, program, Jell-X-Cell company, Paul Finstein's string quartet; 8:30-8:45, international test program; 9-10, Order of Optimistic Donuts; 10-11, popular song an dance music hour.

KOAC, Corvallis, Ore. (280.2m-1070kc), 7:05 p. m., musical selections; 7:15, "Business Digest," A. C. Schmitt; 7:30, "Minor Adjustments and Inspection of the Auto," Prof. W. J. Gilmore; 7:45, "Oregon Fuels and Their Economical Use," C. E. Thomas.

KPO, San Francisco, Calif. (428.3m-700kc), 1:30-2 p. m., Rudy Seiger's Fairmont hotel orchestra; 5:30-6, children's entertainment; 6:30-7, Waldemar Lind and the States Restaurant orchestra; 7:10-7:30, Rudy Seiger's Fairmont hotel orchestra; 9-10, Gene James' orchestra; 10-11, Waldemar Lind and the States restaurant.

KTAB, Oakland, Calif. (240m-1250kc), 9-9:30 a. m., prayer service, Rev. E. L. Spaulding; 12-1, luncheon concert; 9-11, program, Breuner's.

KWSC, Pullman, Wash. (348.6m-860kc), 7:30 p. m., Aloha Harmonizers; Jean Worthington, vocalist; "Results of Extension Work in 1925," W. W. Underwood.

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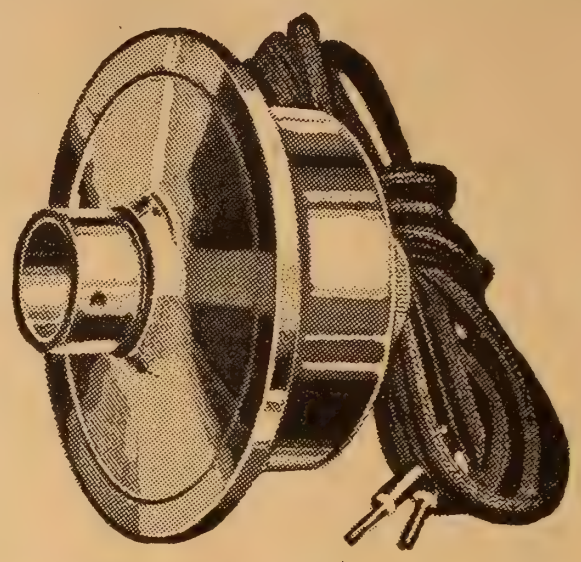

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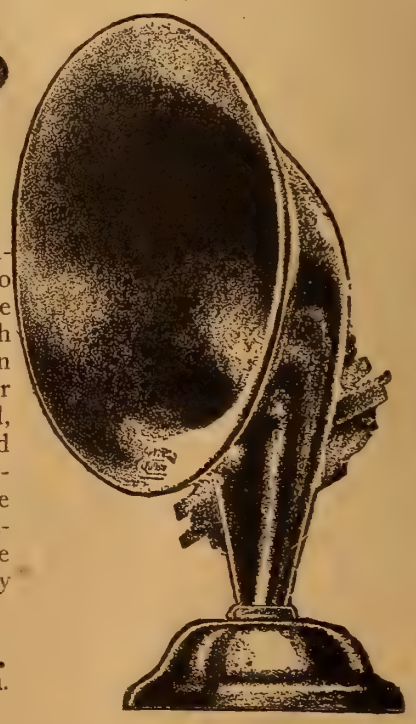

Fultone Loud Speaker has conclusively proven to the radio world that a reproducer could be made and sold at $6.50 which would handle music or speech in volume as perfectly as any speaker at any price. The horn is solid, non-ringing and wide-throated enough to handle the powerful reproduction from super-heterodyne or reflex. The adjustable diaphragm permits matching Fultone to any receiver and "B" battery voltage.

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Enclosed is $..... for which ship me ( ) Fultone Speaker .....( ) Fultone Unit at once, my money to be refunded if I am not satisfied and return this merchandise within 5 days.

NAME .....

ADDRESS .....

CITY AND STATE.....

Potentiometer Control for R.F. Stage

Kinkster Applies Part Across Filament Leads

I don't know whether this qualifies as a kink or not, but it saved considerable money for me and I doubt whether many of your readers are sufficiently engineers to straighten out a tricky tuned radio frequency stage. In my case I had built a four tube set with a method of compensating for the capacity of the tube in the first socket but the compensation method did not work out and I had a really good looking, carefully made outfit that wouldn't behave. The insertion of a potentiometer across the filament wires and with its center terminal attached to the grid return of the first tube now gives me good control of oscillation in the tuned radio frequency stage.

From Milo Gurney's articles, and others you have published, I presume this would tend to broaden tuning but I seem to have comparatively little difficulty separating stations and I did not have to junk this set. Maybe some other beginner is in this same difficulty with tuned radio frequency stages and does not know of this sure-fire solution.–Charles Windsor, Joplin, Mo.

WORKSHOP KINKS EARN A DOLLAR—

THERE are many little kinks worked out at home that would aid your fellow Radio worker if only he knew about them. There are new hook-ups, new ways of making parts and various unique ways of operating sets that are discovered every day. Radio Digest is very much interested in obtaining such material. Send them in with full details, including stamped envelope, so rejected copy may be returned. The work must be entirely original, not copied.

RADIO KINKS DEPARTMENT
Radio Digest
510 North Dearborn St., Chicago

CONQUER PIKES PEAK

(Continued from page 6)

drifted down from the towering domes. Friends are speculating as to your location. Listeners, tuned in on KFXF, have been hearing of your progress until you disappeared beyond the reach of all observation glasses. They are waiting for the signal from the top of the world as it appears in Colorado.

* * *

LEG weary and ready to drop you feel some relief because the snowstorm has swept its way from under your feet. The light of the moon and the stars reflected by the pure white snow has made the night clear and wonderful. You are in a world apart from all that you have ever known. It puts new elixir into your blood. And you thrill with a sense of victory as the man ahead gives a yell and points upward. There against the sky is a long, man-made ridge terminating in a skeleton tower—the goal!

It is almost a race to be first at the door. Aching shoulders are relieved of their burdens. Each one has a work to perform. A report is telephoned to the KFXF studio. Wood is brought in and a fire built in the range. Snow is melted for coffee. Provisions are unpacked. Food is prepared. Fireworks are inspected and put in order. All preparations are made for the big flare at the hour of 12, midnight.

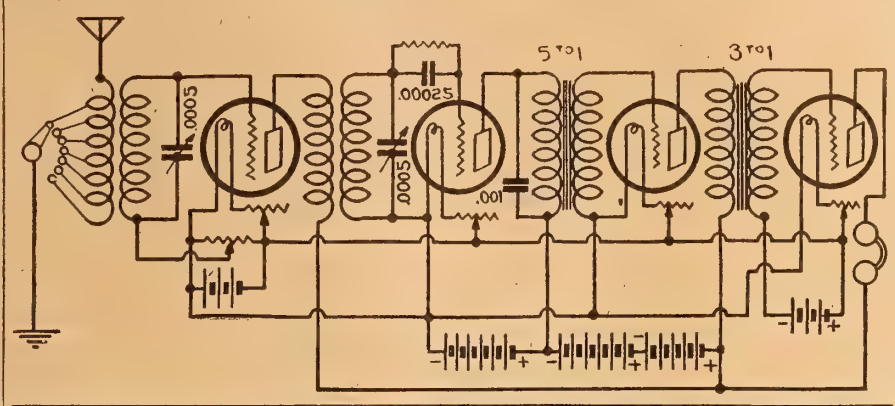
You never knew what hunger was before. In all your life you never enjoyed food as you do this New Year's Eve on top of the world. You are exhilarated and happy. The meal is over and the arrangements completed for the firing of the rockets and the lighting of the 50,000 candle power flares.

* * *

A hundred thousand pairs of eyes are straining through the night. The clock strikes 12. The top of the famous old mountain seems to burst into flame. Red and green flames shoot upward in a towering cataract. Rockets fountain their floating balls of fire that seem to come from the stars themselves. A new year has been welcomed in from the highest point of old Pikes Peak.

For those who are unable to see the spectacle direct a most vivid description is given by the announcer at the microphone below and the work of the ten men who have plodded their weary way to this lofty point has made the event a national celebration. As a musical setting to the whole plan there comes an accompaniment by the Warner Stone Columbian orchestra in the KFXF studio.

HOOK-UP LESSENS OSCILLATION



RADIO BILL HEARINGS

(Continued from page 26)

by the commitee, telling of the magnitude of their broadcasting and the favorable educational work they are doing; of the unlimited possibilities of Radio for the furtherance of knowledge among the people denied higher education; and the obstacles, in some cases, they have had to overcome to do their work.

Although nothing has been done that would point to any definite advancement toward congressional action, the members of the house and senate committees are at least receiving a lot of information on a subject they seem to little understand, and there is a hope that the knowledge they have been given on the deplorable condition of the ether channels may lead to the clearance and regulation of Radio at further hearings to be held in the future, for which no dates have been set.

The Reader's View

Opera in English

This is the day of voting contests. Why not get a vote from the public on whether they prefer their grand opera in a foreign language or in our own English? The schools and societies all cry, "Better English." Why not make unpopular this singing in a foreign tongue? Boost America. —Mrs. B. S. W., Galesburg, Ill.

Leaving What?

Adoring jazz, especially saxophonic, to death, I freely give my great discovery to the world.

Finding two stations heterodyning jazz, noting improvement, had to research. Caught three heterodyning same. Wait till you hear them! Suggest all jazz and all saxophone selections be transmitted on 530 kilocycles, regardless of station's assigned frequency. Eliminates hunting for 'em, vastly improves quality and increases volume.

The highbrows preferring musical instruments to saxophones must then dial there for their stuff.

If not asking too much, when you accomplish this, give a little variety to above by assigning to 520 kilocycles fresh and breezy announcing, saw solos, Ford Fiddling, infant prodigy stuff and the rest of the high class rural entertainment so freely offered.—E. I. S. Butler, Pa.

Attention "Brass Pounders"

I have read of the proposed tests, January 24-30, of the international exchange of programs and that all American stations will stand by at certain times, one hour.

What about the "brass pounders"? Last year at the time of the tests, we could get the stations all right but the everlasting dit, dah, dit, dat, made it miserable. Of course, we understand there is no law to control them, but we think they should be willing to lay off for a few hours at least.

We have been hearing some code every night for over a month at all hours (7 to 10). Isn't 10 o'clock the time set for them to come on the air?—W. A. A., Richmond, Ky.

All Right, Canadians, Write!

I would like to see more letters on the readers' page from Canadian listeners about Radio conditions in Canada.

In particular I would like to see comments on the Canadian method of licensing Radio equipment. The license fee of one dollar per year is said to be used in controlling and eliminating interference.

Come on you Canadian fans and let us hear from you. This is a topic on which we are all more or less interested.—R. F. Sperling, Manitoba, Can.

Who Were the Artists?

Please ask the announcers to let us know occasionally who we are listening to. I have listened for more than an hour without a station announcement. I enjoyed the violin and piano selections on a recent program, but would liked to have known who they were.—A. C., Durham, N. C.

ELIMINATE STATIC!

Enjoy perfect reception regardless of weather conditions. The Static Eliminator—the newest and most startling thing in Radio—cuts out practically all static without loss of volume!

And in addition it will help increase selectivity, tune out local stations, sharpen signals, remove noises, lessen interference and prevent re-radiation!

Use it with any receiving set — simply hook up to your aerial lead-in and enjoy perfect reception unmarred by static.

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Send $1.00 for wiring diagrams showing parts used and how to make any set or circuit (one to eight tubes) operate satisfactorily from A.C. or D.C. current.

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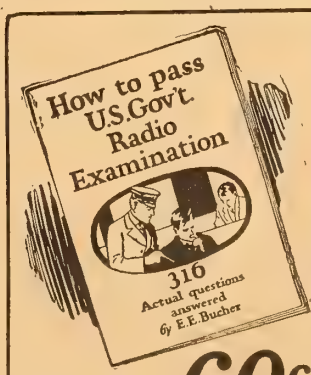

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Two stages of tuned radio frequency amplification, detector and three stages of transformer coupled audio frequency amplification afford a volume three times greater than can be secured with a five tube set.

Complete manufacture in our own shops give us control over every feature that is vital to your satisfaction. See the Nightingale dealer for any one of our several cabinet models or write to

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Builders of the famous Songbird Line

22½ Volt un-acid everlasting rechargeable "B" STORAGE BATTERY $2.95 Includes Chemical

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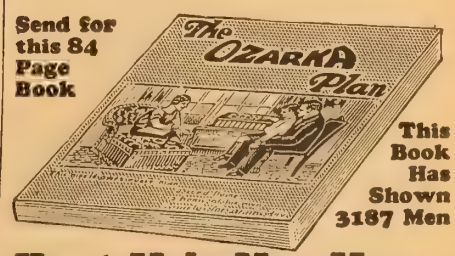

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OZARKA, Inc. 122 Austin Avenue C, Chicago, Illinois

Questions and Answers

Direction of Battery Current Flow
EMA, Cherryvale, Kans.

Would appreciate an answer to the following question. What is the direction of the flow of electricity in electrical batteries? Am enclosing fifty cents for reply.

A.—We are quite interested in your inquiry, as this brings up a question which has resulted in more incorrect answers than possibly any question in Radio.

One but has to recall that irrespective of type, class or other considerations. Positives attract, negatives repel, which electrically means that the positive pole of an electric generator, battery or magnet, is the attracting pole. Hence, when a medium is connected between the two poles, viz, of a battery, in order that current may flow, its direction must of necessity be from negative to positive.

Many answers have included the above but their replies have also stated that the current within the battery reverses itself and flows from negative to positive, quite forgetting, that internally a battery merely comprises the elements making possible the generation or establishment of negative and positive polarities. One could, by an extreme stretch of the imagination, conceive the flow internally as from negative to positive, but could not do so without breaking all of the laws of attraction and repulsion.

Cleaning Storage Battery Terminals
HAH, Neola, Iowa.

The terminals upon my A battery corrode very easily, and, while I try to keep them clean through keeping them wiped thoroughly and scraping the accumulation off, yet in a few days it is as bad as ever.

If you can tell me what I can do to stop this, I will greatly appreciate it and send you whatever charges there are for the information.

A.—The corrosion you speak of is what is known as "creeping" and is the result of a portion of the acid content of your battery reaching the terminal through capillary attraction.

The remedy is found in making a solution of two teaspoonsful of ordinary baking soda dissolved in two ounces of water. Apply this to the terminals with a cloth. Baking soda is a neutralizing agent for this acid condition, and you will be surprised to learn how rapidly it will clean them. Upon its application a bubling, accompanied by a low hissing or frying noise, will be heard. This indicates that the cleansing process is working. When the bubbles cease, wipe the terminals dry. Then smear them with a light coating of common vaseline, which will prevent the recurrence of the annoying accumulation.

B-T Counterphase Filament Control
HHS, Cheyenne, Wyo.

I would like to know why a filament control jack is not used in the second audio in the Bremer-Tully Counterphase circuit appearing in recent issues of the Digest. According to the wiring diagram of the circuit there is no separate control for the filament of the sixth tube, which is the tube for the second audio. In consequence of this the tube would burn at all times the set is in use, even though the plug should be in the first audio jack.

I am building a set along the lines of your circuit, and have wired in a filament control jack, but if there is any reason that it should not be used I will replace it with a single circuit jack.

A.—We had a very definite purpose in not using a filament control jack in the last audio stage of the Bremer-Tully Counterphase.

You will notice that all of the tubes are controlled with one rheostat, therefore, should we have placed a control jack in the last stage, then, when the last audio tube was out through the plug being in the first stage, a rise in filament voltage would occur, necessitating a readjustment of the rheostat.

However, if desired, there is no objection to your adding another rheostat to control the last tube or to adopt the use of an Amperite for automatic control of this stage. If either are used they should be independent of the control upon the remaining tubes.

Thatcher on Het-Duo-Gen
LHS, Salt Lake City, Utah.

Can the Thatcher unit hook-up be used on a Het-Duo-Gen to cure the squeal and howl when using the last stage?

I can't do a thing with it when getting distance, although it works fine on local stations.

A.—We do not believe that the Thatcher hook-up would help you toward eliminating the howl in the last stage of your receiver, but rather that the howl is occasioned because of several other reasons. The most important lies in burning the tubes at too high a temperature and thus overloading them. Another is the employment of audio transformers whose ratio is too high, or the lack of grounding the cores of these transformers. The employment of a C battery in the grid return of the audio transformers will help you. If you will adopt remedies to comply with the above suggestions and install transformers with ratios not exceeding 3 to 1, you no doubt will be well pleased with the DX results.

Priess Straight-8 Receiver
CBR, Louisiana, Mo.

There is a set made called the Priess Straight-8. Is this a practical set and will it do all claimed for it? Is it a regenerative, a neutrodyne or a super-het? Does it use wet or dry batteries? If you were going to buy a high class Radio would you consider the Priess?

A.—Radio Digest cannot approve or comment against any make of receiver, and obviously so, as our judgment would be based upon the conditions prevailing at the point where test was made, which would be unfair to the manufacturers. Every locality varies. Our understanding is that it is a tuned radio frequency receiver operating from storage batteries and using 8 tubes. We can say to you in all fairness that it is designed by a recognized engineer whom the writer knows personally and the set should perform pretty close to claims in an average location.

DIRECTIONS FOR REQUESTING INFORMATION

The Questions and Answers department offers service to Radio Digest subscribers without charge and, to those not subscribers, the same service with a charge of 50c for each letter requiring up to three answers or diagrams. We feel that this policy is necessary for the protection and best interests of our regular readers, as the volume of correspondence to this department has increased to such an extent that it is almost impossible to give our subscribers' letters adequate attention nor a complete answer. To those who have long been newsstand readers this may, at first, seem an injustice but a little thought on the matter will show that this is the only possible solution of what has been, to the technical department, a very perplexing and difficult problem. We ask that the following suggestions be read carefully before writing:

1—Search carefully the back issues which you have, as the point in question has probably been covered several times before.

2—No comparative statements on advertised apparatus will be given except as to efficiency in some particular circuit.

3—Drawing diagrams on a separate sheet of paper will save time and enable us to give all questions more attention.

4—Write each question as a separate paragraph.

5—We want to be of assistance to you in your difficulties, but are sometimes limited because of the length and time required for the proper consideration of the questions asked. Therefore, please make your letters brief.

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An Introduction to Radio in two volumes. Complete instructions for the beginner, simple circuits, explanation of radio terms. Original price $1. Slightly soiled 50 cents, while twenty-five sets last. Book Department, Radio Digest, 510 No. Dearborn St., Chicago, Ill.

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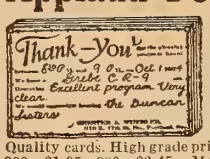

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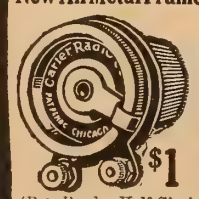

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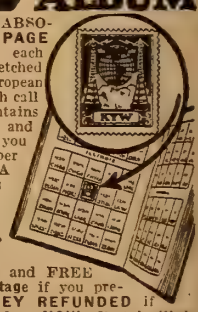

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Radiophone Broadcasting Stations

Corrected Every Week—Part V

State, City, Call

Alabama:
Auburn, WAPI
Birmingham WBRC
Mobile, WEBM
Montgomery, WIBZ

Arizona:
Flagstaff, KFXY
Phoenix, KFAD, KFCB

Arkansas:
Fayetteville, KFMQ
Hot Springs Nat'l Park, KTHS

California:
Alma, KFQU
Avalon, KFWO
Bakersfield, KDZB
Bear Lake, KFXB
Berkeley, KRE
Burlingame, KFOB
Chico, KFWH
Fresno, KMJ
Hollywood, KFQZ, KFWB, KNX
Long Beach, KFON
Los Angeles, KFI, KFPR, KFSG, KHJ, KMTR, KNRC, KTBI
Oakland, KFUS, KFUU, KFWM, KGO, KLS, KLX, KTAB, KZM
Oxnard, KFYF
Pasadena, KPPC, KPSN
Sacramento, KFBK
San Diego, KFBC, KFVW
San Francisco, KFRC
KGTT, KJBS, KPO, KUO
San Jose, KFAF, KQW
San Pedro, KFVD
Santa Barbara, KFHJ
Santa Maria, KFXC
South San Francisco, KFWI
Stanford Univ., KFGH
Stockton, KWG
San Bernardino, KFWC

Colorado:
Boulder, KFAJ
Colorado Springs, KFXF
Denver, KFEL, KFXJ, KFUP, KFVR, KLZ, KOA
Greeley, KFKA
Gunnison, KFHA
Trinidad, KFBS

Connecticut:
Hartford, WTIC
New Haven, WDRC
Stores, WCAC

Delaware:
Wilmington, WHAV

District of Columbia:
Washington, WCAP, WMAL, WRC

Florida:
Clearwater, WGHB
Fulford-by-the-Sea, WGBU
Jacksonville, WJAX
Miami, WQAM
Miami Beach, WMBF
St. Petersburg, WHBN, WIBC WJBB
Tampa, WDAE
Winter Park, WDBO

Georgia:
Atlanta, WDBE, WGST, WSB
Macon, WMAZ
Savannah, WEBZ

Idaho:
Boise, KFAU, KFDD
Kellogg, KFEY

Illinois:
Batavia, WORD
Cambridge, WTAP
Carthage,, WTAD
Chicago, KYW, WAAF, WBBM, WBBZ, WBCN, WCEE, WEBH, WENR, WFKB, WGN, WHBM, WHT, WIBJ, WIBM, WIBO, WJAZ, WKBG, WLIB, WLS, WLTS, WMAQ, WMBB, WOK, WPCC, WQJ, WSBC
Decatur, WBAO, WJBL
Evanston, WEHS

State, City, Call

Illinois (Continued)
Galesburg, WFBZ, WRAM
Harrisburg, WEBQ
Joliet, WCLS, WJBA, WKBB
La Salle, WJBC
Mooseheart, WJJD
Oak Park, WGES
Plainfield, WWAE
Rockford, KFLV
Rock Island, WHBF
Streator, WTAX
Sycamore, WJBN
Tuscola, WDZ
Urbana, WRM
Zion, WCBD

Indiana:
Anderson, WEBD, WHBU
Culver, WHBH
Evansville, WGBF
Fort Wayne, WHBJ, WOWO
Greentown, WJAK
Indianapolis, WFBM
Laporte, WRAF
Logansport, WHBL, WIBW
South Bend, WSBT
Seymour, WFBE
Valparaiso, WRBC
West Lafayette, WBAA

Iowa:
Ames, WOI
Anita, KFLZ
Boone, KFGQ
Burlington, WIAS
Cedar Rapids, KWCR, WJAM,
Clarinda, KSO
Council Bluffs, KOIL
Davenport, WOC
Des Moines, WHO
Fort Dodge, KFJY
Iowa City, KFQP, WSUI
Marshalltown, KFJB
Muscatine, KTNT
Oskaloosa, KFHL
Shenandoah, KFNF, KMA
Sioux City, KFMR, WEAU

Kansas:
Independenec, KFVG
Junction City, KFJC
Lawrence, KFKU
Manhattan, KFVH, KSAC
Wichita, KFH, KFOT

Kentucky:
Louisville, WHAS, WLAP

Louisiana:
Kennonwood, KFDX, KWKH
New Orleans, WAAB, WABZ, WBBS, WCBE, WOWL, WSMB, WWL
Pineville, KFWU

Maine:
Bangor, WABI
Ellsworth, WHBK
Orono, WGBX
Portland, WCSH

Maryland:
Baltimore, WBAL, WCAO, WCBM, WFBR
Takoma Park, WBES

Massachusetts:
Boston, WBZA, WDBR, WEEI, WNAB, WNAC
Fall River, WSAR, WTAB
New Bedford, WNBH
South Dartmouth, WMAF
Springfield, WBZ
Taunton, WAIT
Webster, WKBE
Worcester, WTAG

Michigan:
Bay City, WSKC
Berrien Springs, WEMC
Dearborn, WWJ
Detroit, WCX, WGHP, WJR, WMBC, WWJ
East Lansing, WKAR
Escanaba, WRAK

State, City, Call

Michigan (Continued)
Flint, WFDF
Grand Rapids, WBDC, WEBK
Houghton, KFMW, WWAO
Lansing, WREO
Mt. Clemens, WABX
Owosso, WSMH
Petoskey, WBBP
Port Huron, WAFD
Royal Oak, WAGM
Ypsilanti, WJBK

Minnesota:
Collegeville, WFBJ
Minneapolis, KFDZ, WAMD, WCCO, WHAT, WHDI, WRHM
Northfield, KFMX, WCAL
St. Cloud, WFAM
St. Paul, AV7, KFOY
Sihtipok, KIAF
Welcome, KFVN

Mississippi:
Coldwater, WREC
Oxford, WCBH

Missouri:
Cape Girardeau, KFVS
Carterville, KFPW
Columbia, KFRU
Independence, KLDS
Jefferson City, WOS
Kansas City, KWKC, WDAF, WHB, WOQ
Kirksville, KFKZ
Moberly, KFFP, KFOJ
St. Louis, KFQA, KFUO, KFWF, KMOX, KSD, WEW, WIL, WMAY, WSBF
University City, KFVE

Montana:
Havre, KFBB
Missoula, KUOM

Nebraska:
Clay Center, KMMJ
David City, KFOR
Hastings, KFKX
Lincoln, KFAB, WFAV
Norfolk, WJAG
Oak, KFEQ
Omaha, KOCH, WAAW, WNAL, WOAW
University Place, WCAJ

New Hampshire:
Hanover, WDCH
Laconia, WKAV

New Jersey:
Atlantic City, WHAR, WPG
Camden, WFBI
Elizabeth, WIBS
Gloucester City, WRAX
Lambertville, WTAZ
Newark, WAAM, WNJ, WOR.
North Plainfield, WEAM
Paterson, WODA
Red Bank, WJBI
Trenton, WOAX

New Mexico:
Albuquerque, KFLR, KFVY
State College, KOB

New York:
Bay Shore, WRST
Buffalo, WEBR, WGR, WJBP
Canton, WCAD
Cazenovia, WMAC
Flushing, WIBI
Freeport, WGBB
Ithaca, WEAI
Jamestown, WOCL
Kingston, WDBZ
Lockport, WMAK
New York, WBBR, WEAF, WEBJ, WEBL, WFBH, WFRL, WGBS, WGCP, WHAP, WHN, WJY, WJZ, WKBK, WLWL, WMCA, WNYC, WOKO, WQAO, WRMU, WRNY, WSDA
Richmond Hill, WAHG, WBOQ, WGMU, WWGL
Rochester, WABO, WHAM, WHEC

State, City, Call

New York (Continued)
Schenectady, WGY
Syracuse, WFBL
Tarrytown, WRW
Tonodi, WONK
Troy, WHAZ
Utica, WIBX

North Carolina:
Asheville, WABC
Charlotte, WBT, WJBG
Fort Bragg, AT9
Henderson, WIBV
Raleigh, WRCO

North Dakota:
Bismarck, KFYR
Devils Lake, KDLR
Fargo, WDAY, WPAK
Grand Forks, KFJM

Ohio:
Akron, WADC
Bellefontaine, WHBD
Canton, AQ6, WHBC
Cambridge, WEBE
Cincinnati, WAAD, WKRC, WLW, WSAI
Cleveland, WDBK, WEAR, WHK, WTAM
Columbus, WAIU, WEAO, WMAN
Dayton, AW5, WSMK
Hamilton, WRK, WSRO
Pomeroy, WSAZ
Springfield, WCSO
Toledo, WABR, WTAL
Wooster, WABW
Yellow Springs, WRAV

Oklahoma:
Chickasha, KOCW
Norman, WNAD
Oklahoma City, KFJF, KVOO, KFXR, WKY
Tulsa, WLAL

Oregon:
Astoria, KFJI
Corvallis, KOAC
Portland, KFEC, KFIF, KFJR, KFWV, KGW, KQP, KTBR

Pennsylvania:
Allentown, WCBA, WSAN
Altoona, WFBG
Elkins Park, WIBG
Grove City, WSAJ
Harrisburg, WBAK, WHBG, WPRC
Haverford, WABQ
Johnstown, WGBK, WHBP, WTAC
Lancaster, WDBC, WGAL
Lewisburg, WJBQ
Oil City, WHBA
Parkesburg, WQAA
Philadelphia, WABY, WCAU, WFBD, WFI, WHBW, WIAD, WIP, WLIT, WNAT, WOO, WWAD
Pittsburgh, KDKA, KQV, WCAE, WJAS
Reading, WRAW
Scranton, WGBI, WQAN
State College, WPSC
Wilkes-Barre, WBAX, WBRE

Rhode Island:
Cranston, WDWF
Providence, WCBR, WCWS, WEAN, WGBM, WJAR, WLSI

South Carolina:
Charleston, WBBY

South Dakota:
Brookings, KFDY
Rapid City, WCAT
Vermilion, KUSD
Yankton, WNAX

Tennessee:
Chattanooga, WDOD
Knoxville, WFBC, WNOX
Lawrenceburg, WOAN
Memphis, WGBC, WHBQ, WMC, Nashville, WCBQ, WDAD, WSM

State, City, Call

Texas:
Amarillo, WDAG
Austin, KUT
Beaumont, KFDM, KFXM
Beeville, KFRB
Brownsville, KWWG
College Station, WTAW
Dallas, WFAA, WRR
Dublin, KFPL
El Paso, KFXH, WDAH
Fort Worth, KFQB, KFJZ, WBAP
Galveston, KFLX, KFUL
Greenville, KFPM
Houston, KFVI, KFYJ, KPRC
San Antonio, WCAR, WOAI
San Benito, KFLU
Waco, WJAD

Utah:
Logan, KFXD
Ogden, KFUR, KFWA
Salt Lake City, KDYL, KFOO, KFUT, KSL

Vermont:
Burlington, WCAX
Springfield, WQAE

Virginia:
Norfolk, WBBW, WTAR
Radio, NAA
Richmond, WBBL, WRVA
Roanoke, WDBJ

Washington:
Everett, KFBL
Lacey, KGY
North Bend, KFQW
Olympia, KFRW
Pullman, KWSC
Seattle, KFOA, KJR, KTCL, KTW
Spokane, KFPY, KHQ
Tacoma, KMO
Walla Walla, KFCF
Yakima, KFIQ

West Virginia:
Weirton, WIBR

Wisconsin:
Beloit, WEBW
Camp Lake, WCLO
Fond du Lac, KFIZ
Madison, WHA, WIBA
Marshfield, WGBR
Milwaukee, WHAD, WKAF, WSOE
Osseo, WTAQ
Poynette, WIBU
Sisibt, WBAR
Stevens Point, WLBL
Superior, WEBC

Wyoming:
Laramie, KFBU

Alaska:
Anchorage, KFQD
Juneau, KFIU

Hawaii:
Honolulu, KGU

Philippine Islands:
Baguio, KZUY
Manila, KZKZ, KZRQ

Porto Rico:
San Juan, WKAQ

Argentina:
Buenos Aires, B1, LOR, LOV, LOW, LOX, LOY, TCR

Australia:
Adelaide, 5CL
Melbourne, 3AR
Perth, 6WF
Sydney, 2BL, 2FC

Austria:
Vienna, Radio Wien
Graz, Relay

State, City, Call

Brazil:
Bahia, Sociedade do Bahia
Belle Horizantes, Nat'l Telg Service
Rio de Janeiro, SPE Sociedade de Rio de Janeiro
Sao Paulo, Radio Bondeirantes

Canada:
Burketon Junction, CKCW
Burnaby, CJKC
Calgary, CFAC, CFCN, CNRC
Charlottetown, CFCY
Edmonton, CFCK, CJCA, CNRE
Hamilton, CFCU, CHCS, CKOC
Iroquois Falls, CFCH
Kingston, CFMC, CFRC
London, CJGC
Moncton, CNRA
Montreal, CFCF, CHYC, CKAC, CNRM
New Westminster, CFXC, CFYC
Ottawa, CHXC, CKCO, CNRO
Regina, CKCK, CNRR
Saskatoon, CFQC, CHUC, CJWC, CNRS
Thorold, CFKC
Toronto, CFCA, CHIC, CHNC, CJBC, CJCD, CJSC, CJYC, CKCL, CKNC, CNRT
Unity, CHSC
Vancouver, CFCQ, CFDC, CKCD, CKFC, CNRV
Victoria, CFCT
Winnipeg, CKY, CNRW

Cuba:
Camaguey, 6YR, 7AZ, 7BY, 7CX, 7DW, 7SR
Santa Clara, 6BY, 6DW, 6EV, 6GR, 6GT, 6HS, 6JQ
Colon, 5EV
Havana, PWX, Q2LC, 1AZ, 2AB, 2BB, 2BY, 2CG, 2CX, 2EP, 2HP, 2JL, 2JP, 2LR, 2MG, 2MK, 20K, 2OL, 2PK, 2RK, 2RM, 2RY, 2SZ, 2TW, 2UF, 2WW, 2XX
Mantanzas, 5AZ, 5BY
Santiago, 8AZ, 8BY, 8FU, 8IR, 8JQ
Tuinucu, 6XJ, 6KW

France:
Lyons, YN, Radio-Lyon
Paris, FPTT, Le Petit Parisien

Germany:
Berlin, Vox Haus, Telefunken Co.
Breslau, Schlesische, Rundfunk
Cassel, Sudwestdeutscher Rundfunk.
Dresden, Mitteldeutsche Rundfunk.
Frankfort-on-Main, Sudwestdeutsche Rundfunkfienst
Hamburg, Norag.
Konigsberg, Ostmarken Rundfunk
Leipzig, Mitteldeutsche Rundfunk
Munich, Deutsche Stunde
Munster Station
Nuremberg, relayed from Munich
Stuttgart, Station

Great Britain:
Aberdeen, 2BD
Belfast, 2BE
Birmingham, 5IT
Bournemouth, 6BM
Bradford, 2LS
Cardiff, 5WA
Daventry, 5XX
Dundee, 2DE
Edinburgh, 2EH
Glasgow, 5SC
Hull, 6KH
Leeds, 2LS
London, 2LO
Manchester, 2ZY
Newcastle, 5NO
Nottingham, 5NG
Plymouth, 5PY
Sheffield, 6FL
Stoke-on-Trent, 6ST

Mexico:
Chihuahua, CZF
Mazatlan, CYR
Mexico City, CYA, CYB, CYG, CYH, CYL, CYX, CYZ, CZA, CZE, XDA
Monterey, CYS
Oaxaca, CYF

STATION SCHEDULES

(Continued from last week)

Cuba

PWX, Havana, Cuba. 400 meters. 500 watts. Cuban Telephone Co. International Tel. & Teleg. Corp. Wed, Sat, 8:30-11 pm, music. Eastern.

Q2LC, Havana, Cuba. 250 meters. 50 watts. Luis Casas.

1AZ, Havana, Cuba. 275 meters. 5 watts. Antonio Sarasola.

2AB, Havana, Cuba. 235 meters. 10 watts. Alberto S. Bustamante.

2BB, Havana, Cuba. 255 meters. 15 watts. Bernardo Barrie.

2BY, Havana, Cuba. 315 meters. 100 watts. Electrical Equipment Co. of Cuba. Mon, Thurs, 7:00-8:00 pm. Eastern.

2CG, Havanna, Cuba. 350 meters. 15 watts. Humberto Giquel.

2CX, Havana, Cuba. 320 meters. 10 watts. F. W. Borton.

2EP, Havana, Cuba. 355 meters. 400 watts. El Pais.

2HP, Havana, Cuba. 295 meters. 100 watts. Credito y Construcciones Co.

2JL, Havana, Cuba. 275 meters. 5 watts. Jose Leiro.

2JP, Havana, Cuba. 270 meters. 20 watts. Julio Power.

2LR, Havana, Cuba. 235 meters. 10 watts. Jose Lara.

2MG, Havana, Cuba. 280 meters. 20 watts. Manuel Y. Guillermo Salas Music Store. Announcer, Roger Morales. Daily, 3-4 pm, music. One day each week, 8-11 pm. Eastern.

2MK, Havana, Cuba. 85 meters. 20 watts. R. V. Waters.

2OK, Havana, Cuba. 360 meters. 100 watts. Mario Garcia Velez.

2OL, Havana, Cuba. 300 meters. 100 watts. Columbus Cycle Radio Co.

2PK, Havana, Cuba. 195 meters. 10 watts. George A. Lindeaux.

2RK, Havana, Cuba. 310 meters. 100 watts. Raoul Karman. Casa De La Porte.

2RM, Havana, Cuba. 210 meters. 10 watts. Rogelio Morales.

2RY, Havana, Cuba. 170 meters. 5 watts. Salvador de la Torre.

2SZ, Havana, Cuba. 180 meters. 10 watts. Homero Sanchez.

2TW, Havana, Cuba. 230 meters. 20 watts. Roberto E. Ramirez.

2UF, Havana, Cuba. 265 meters. 10 watts. Roberto E. Ramirez.

2XX, Havana, Cuba. 150 meters. 5 watts. Antonio A. Ginard.

5AZ, Mantanzas, Cuba. 200 meters. 20 watts. Ernesto V. Figueroa.

5BY, Mantanzas, Cuba. 190 meters. 10 watts. Leon Gonzalez Velez.

5EV, Colon, Cuba. 360 meters. 10 watts. Leopoldo V. Figueroa. Sun, 9-11 pm. Eastern.

6BY, Santa Clara, Cuba. 260 meters. 200 watts. Jose Ganduxe.

6DW, Santa Clara, Cuba. 225 meters. 10 watts. Eduardo Terry.

6EV, Santa Clara, Cuba. 250 meters. 100 watts. Maria Josefa Alvares. Daily, 10:30 pm.

6GR, Santa Clara, Cuba. 250 meters. 10 watts. Luis del Castillo.

6GT, Santa Clara, Cuba. 190 meters. 5 watts. Juan Pablo Ros.

6HS, Santa Clara, Cuba. 200 meters. 10 watts. Santiago Ventura.

6JQ, Santa Clara, Cuba. 250 meters. 10 watts. Eligio Cobelo Ramirez.

6KW, Tuinucu, Cuba. 338 meters. 4,000 watts. Frank H. Jones. Slogan, "If You Hear the Koo of the Cuckoo You Are in Tune with Tuinucu." Daily 11:30-12:15 am. Eastern.

6XJ, Tuinucu, Cuba. 275 meters. 100 watts. Frank H. Jones.

6YR, Camaguey, Cuba. 200 meters. 20 watts. Diego Iborra.

7AZ, Camaguey, Cuba. 225 meters. 10 watts. Pedro Nogueras.

7BY, Camaguey, Cuba. 235 meters. 20 watts. Eduardo V. Figueroa.

7CX, Camaguey, Cuba. 85 meters. 10 watts. Leonard B. Fox.

7DW, Camaguey, Cuba. 90 meters. 10 watts. M. L. Quintana.

7SR, Camaguey, Cuba. 300 meters. 500 watts. Salvador C. Rionda. Slogan, "Cuba, the Land of Sunshine, Sugar and Tobacco." Mon, Tues, Thurs, 8:30 pm. Eastern.

8AZ, Santiago, Cuba. 240 meters. 20 watts. Alfredo Brooks.

8BY, Santiago, Cuba. 250 meters. 100 watts. Alberto Ravelo.

8FU, Santiago, Cuba. 225 meters. 15 watts. Andres Vinent.

8IR, Santiago, Cuba. 190 meters. 20 watts. Ceferino Ramos.

8JQ, Santiago, Cuba. 275 meters. 20 watts. Jose Fernandez Heredia.

France

FPTT, Paris, France. 458 meters. 450 watts. Superior School P. T. T. Announcer, M. Chanton.

YN, Lyons-la-Doua, France. 340 meters. French Government.

~~Lyons, Radio-Lyon, 284 meters. 600 watts.~~

Paris, Le Petit Parisien, 345 meters, 450 watts.

Germany

Berlin, Germany. 505, 576 meters. 1,500 watts. Vox Haus.

Berlin, Germany, 290 meters. 100 watts. Telefunken Co.

Breslau, Germany. 418 meters. 1,500 watts. Schlesische Rundfunk, A. G.

Cassel, Germany. 288 meters. 1,500 watts. Sudwestdeutscher Rundfunk. A. G.

Dresden, Germany. 294 meters. 1,500 watts. Mitteldeutsche Rundfunk. A. G. (Mirag).

Frankfort-on-Main, Germany. 470 meters. 1,500 watts. Sudwestdeutsche Rundfunkfienst.

Hamburg, Germany. 395 meters. 1,500 watts. Nordischer Rundfunk, A. G.

Konigsberg, Germany. 463 meters. 1,500 watts. Ostmarken Rundfunk, A. G.

Leipzig, Germany. 444.5 meters. 1,500 watts. Mitteldeutsche Rundfunk, A. G. (Mirag).

Munich, Germany. 414 meters. 10,000 watts. Deutsche Stunde in Bayern.

Munster, Germany. 410 meters. 5,000 watts.

Nuremberg, Germany. 298 meters. Relayed from Munich.

Stuttgart, Germany. 443 meters. 1,500 watts.

Great Britain

2BD, Aberdeen, Scot. 495 meters. 1,500 watts. British Broadcasting Co. Announcer, H. M. Fitch.

2BE, Belfast, Ireland. 488 meters. British Broadcasting Co., Ltd. Announcer, W. T. Guthrie. Commander, A. Pelham.

2DE, Dundee, Scot. 330.5 meters. British Broadcasting Co.

2EH, Edinburgh, Scot. 328 meters. British Broadcasting Co.

2LO, London, Eng. 365 meters. 3,000 watts. British Broadcasting Co., Ltd.

2LS, Leeds and Bradford, Eng. 342 and 308 meters. British Broadcasting Co., Ltd.

2ZY, Manchester, Eng. 377.5 meters. British Broadcasting Co.

5IT, Birmingham, Eng. 477.5 meters. British Broadcasting Co.

5NG, Nottingham, Eng. 326 meters. British Broadcasting Co.

5NO, Newcastle, England. 403.5 meters. British Broadcasting Co.

5PY, Plymouth, Eng. 338 meters. 200 watts. British Broadcasting Co., Ltd. Announcer, J. E. C. Langham.

5SC, Glasgow, Scot. 422 meters. British Broadcasting Co.

5XX, Daventry, Eng. 558 meters. British Broadcasting Co.

5WA, Cardiff, Wales. 353 meters. British Broadcasting Co.

6BM, Bournemouth, Eng. 386 meters. British Broadcasting Co.

6FL, Sheffield, Eng. 303.5 meters. British Broadcasting Co.

6KH, Hull, Eng. 334.5 meters. British Broadcasting Co., Ltd.

6LV, Liverpool, Eng. 311.5 meters. British Broadcasting Co.

6ST, Stoke-on-Trent, Eng. 304.5 meters. British Broadcasting Co.

Mexico

CYA, Mexico City, Mex. 265 meters. 500 watts. Mon, Fri, 6:45-8 pm. Sun. 4-6 pm. Mexican. Partido Liberal Avanzado.

CYB, Mexico City, Mex. 270 meters. 500 watts. El Buen, Tono. Tues, Thurs, Sat, 7:30-9 pm, concert. Mexican.

CYF, Oaxaca, Oax., Mex. 260 meters. Federico Zorrilla. "The Voice from South of Mexico." Tues, Thurs, 7-8 pm. Sun, 8:30-10 pm. Mexican.

CYG, Mexico City, Mex. 300 meters. 1,000 watts. Secretara de Guerra y Marina.

CYH, Mexico City, Mex. 325 meters. 100 watts. High Life. Slogan, "Los Proveedores del Caballero Que Viste Bien." Announcer, Jorge Chulia Mallet. Fri, 8:30-10 pm. Mountain.

CYL, Mexico City, Mex. 480 meters. 500 watts. La Casa del Radio. Announcer, George Marron. Slogan: "The Land of Eternal Summer. Daily ex Sun, 1:30-2 pm, weather, financial reports, music. Tues, Fri, 8-9:30 pm. Sun, 8-9:30 pm, church. Mexican.

CYR, Mazatlan, Sin., Mex. Rosseter Y Cia.

CYS, Monterey, Mexico. 408 meters. 250 watts. Tarnava & Cia. Slogan, "The Industrial Center of the Mexican Republic." Daily and Sun, 7:55-8:05 pm. Mon, 8-9:30 pm. Mountain.

CYX, Mexico City, Mex. 333 meters. 500 watts. Excelsior & Cia. Parker. Announcer, Rafael Hermandez dez Dominguez. Slogan, "Land of the Aztecs." Mon, 8-9:30 p. m. Fri. 8:30-9:30 pm. Mexican.

CYZ, Mexico City, Mex. 400 meters. Liga Central Mexicana de Radio.

CZA, Mexico City, Mex. 70-500-1,070 meters. Aviation Dept., War Ministry. Announcer, Ricardo S Bravo. Daily, 12:30-1 pm, time, weather, news; 6:30-7:30, time, markets, music. Mexican.

CZE, Mexico City, Mex. 350 meters. 500 watts. Secretary Public Education. Daily ex Sun, 8 pm. Mexican.

CZF, Chihauhau City, Mexico. 310 meters. 250 watts. Announcer, C. A. Nieto. Slogan, "United by Radio." Tues, 8-9:30 pm. Mountain.

XDA, Mexico City, Mexico. Variable wave. 4,000 watts. Government station. Slogan, "Radio Chapultepec."

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How to Confirm Foreign Reception

Radio Digest

EVERY WEEK — Illustrated PROGRAMS — TEN CENTS

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"Ghost Viol" Brings Fame; Strange Sounds Come from KFDM; Baltimore Waited Long; College Sent to Farmers; Women's Programs; Raytheon B Eliminator; Radio ABC's

PLAN BRINGS FARM STATISTICS TO LIFE

AGRICULTURISTS TO BENEFIT BY RADIO SERVICE

Government Will Shortly Conceive "Uncle Bert" and "Fifty Farm Flashes" for Broadcasters' Use

WASHINGTON.—The vast fund of popular and scientific agricultural information that originates on the farms and in the laboratories of the United States department of agriculture will soon be tapped in a new place.

This is the announcement made by Sam Pickard, chief of the newly created Radio service in the department. Steps will be taken immediately, he said, to furnish a variety of agricultural program material to commercial broadcasting stations serving farmer audiences.

Much of the material furnished by the Radio service will be prepared for presentation in a radically different manner than the present almost universal practice of reading manuscripts. Broadcasting stations cooperating will be asked to provide personalities who have unmistakable qualifications to voice the information and material which in most cases will be presented in popular style and in the form of dialogue or questions and answers.

"Uncle Bert" Is New Feature

"Uncle Bert," the garden expert, one of Mr. Pickard's phantom characters, will entertain and instruct the boys and girls of the "Radio Order of Junior Gardeners" with nature-study information. Some of the juniors themselves will be heard over the microphone as they ask questions of Uncle Bert.

"Fifty Farm Flashes" will soon be offered as a regular feature on the air. The "flashes" will consist of interesting current information sought by farmers through several thousand letters received each week by the department.

Other special feature programs are under consideration, among which are the "Housekeeper's Half Hour" and the "National Farm School." In the latter the farm will be considered as the student's laboratory. Timely lecture courses which dovetail with the daily farm work will be developed, and laboratory assignments will be made which necessitate putting into practice the subject matter taught. These will be supplemented with a file of bulletins dealing with the subject matter broadcast.

FORT WORTH ADOPTS DALLAS SILENT NIGHT

New Arrangement Will Aid Texas Fans to Hunt Distance

FORT WORTH, Texas.—In order that the North Texas listeners could enjoy one silent night each week, WBAP, the Star-Telegram and Record-Telegram station here, and WFAA, the Dallas News and Dallas Journal station, have adopted a schedule whereby neither of these broadcasters are on the air after 6:30 p. m., Central time, Wednesday nights. Previous to this arrangement, WBAP was silent on Saturday night and Wednesday was WFAA's silent period. The Star-Telegram and Record-Telegram station is now operating Saturday night on its regular schedule and Sunday from 9:30 to 11 p. m.

Under the new arrangement, the Texas hotel orchestra, which was formerly heard each Wednesday night over WBAP from 7:30 to 11 p. m. Central time, is now on the air at the same time Sunday night, and the "Sunflower Girl," the headliner of the station, who used to thrill the Radio audience on Wednesday evenings between 11 and 12 o'clock, now entertains Saturday night from 9:30 to 11 o'clock. Under the new schedule, the Truth society meets at 10 o'clock on Saturday, Sunday and Monday evenings.

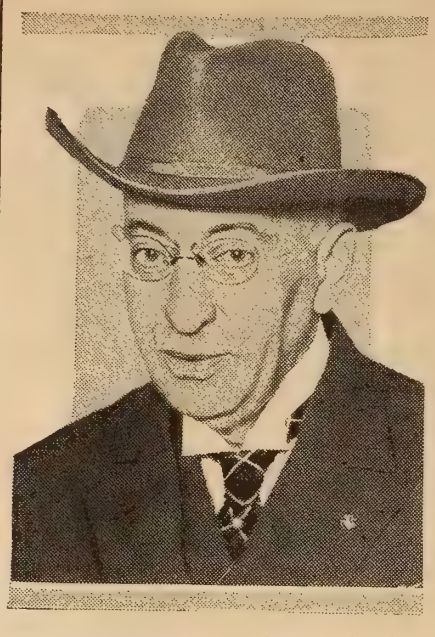
Gets Clicquot Club Sleigh Bells, Then Looks for Snow

NEW YORK.—The realistic sleigh bells which have announced the arrival of the "Clicquot Club Eskimos" at WEAF each week recently sent a New Jersey listener bounding out of the house to witness the snowfall which had so suddenly come. Sleigh bells to the contrary notwithstanding, the street was as clear as on a July evening and the mystery was not solved until the close of the "Eskimos" program, when the sleigh bells were heard again.

Give Lighthouses Receivers

PARIS.—As the result of an article in the Paris daily "Matin," a sum of money has been raised by public subscription for presenting lonely lighthouses along the wild coast of Britanny with Radio receiving sets.

CLAIMS RADIO WILL USE POWER OF SUN



Dr. Henry Marcuse, professor of astronomy and applied forces at the University of Berlin, predicts that the day is coming when airplanes will carry passengers any distance by means of power received by Radio from great sun machines. Dr. Marcuse is now in this country after a trip through Japan.

MISS EDNA HOPPER IS OUR COVER GIRL

ON the cover of Radio Digest this week is Miss Edna Hopper, the original "Matinee Girl" whose voice was heard over Radio Station, WOR, New York.

The picture tells the story. Miss Hopper is one of those kind of girls that men always wish they knew better. After they have seen her picture they make a mental date with her—to see her on the stage from some place near the "bald-headed" row. It is the same way if they hear her through the microphone.

"Now we want a girl who is a regular man's girl," said the picture editor, when it came to selecting a girl for a winning cover for this issue. "We want a girl with a flash in her eye and smile on her lips."

He pounced on this picture of Edna Hopper the moment he saw it. Was he satisfied? He was.

KYW's Hawaiian Swede Is Back with New Repertoire

CHICAGO.—Cy Berg, the "Hawaiian Swede" and president of the I. O. O. S. Y. S. L. I. is back at KYW, to exploit a lot of new things to the Radio fans, who tune in the Congress carnivals at midnight each Saturday.

For those who are not acquainted with the long string of symbols above mentioned, it all means "International Order of Sky Yumpers, Snuse Chewers and Lutefisk Inhalers."

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Looking Ahead

When he told the Londoners it wasn't "Gonna Rain No Mo'," Wendell Hall, American Radio artist and composer of the song with that theme, struck fire. Some wrote him it was the most terrible crime ever committed against the English language, but the most of them like it. Mr. Hall tells about it in the next issue of the Radio Digest.

Wilda Wilson Church, dean of the Radio play directors at KGO, San Francisco, tells interesting incidents and some of the problems peculiar to Radio play production in the next issue of Radio Digest. She had always wanted to be an actress but did not find her real forte until she took hold of the art of making audible but invisible players entertaining.

"I come from a little town called Newport, N. H., where the sun shines on both sides of the street," says Billy B. Van to Radio audiences throughout the country, to whom he is known as the "Sunshine Man." He relates some of his humorous and scintilating philosophy in the next Radio Digest.

Flowers are blooming and birds are singing; all is summertime at WGHB, Clearwater, Florida. This new station is helping to voice the praises of the rediscovered "Flowerland," where is located the oldest city in the United States. All about WGHB in the next issue of the Radio Digest.

The Fundamental Principles of the Detector and how it functions will be described by Milo Gurney in next week's issue of the Radio Digest.

The Erla Circloid Five Will Be the Receiver Reviewed in next week's operating and trouble shooting article and will provide many geneal hints that will help the average listener in.

George Walters, Who Opens a New Series on the construction of B current power supplies in this issue, will next week describe the chemical rectifier type.

Newsstands Don't Always Have One Left

WHEN YOU WANT

Radio Digest

YOU WANT IT!

BE SURE OF YOUR WEEKLY COPY BY SUBSCRIBING NOW

SEND IN THE BLANK TODAY

Publisher Radio Digest,
510 N. Dearborn St.,
Chicago, Illinois.

Please find enclosed check M. O. for Five Dollars (Six, Foreign) for One Year's Subscription to Radio Digest, Illustrated.

Name .....

Address .....

City ..... State .....

NEWS BRIEFS FROM THE BROADCASTERS

MERRY GANG OF PAUL ASH INVADES STUDIO OF WLS

WBAL Broadcasts New Baltimore Organ—Learn How to Write Short Story at KGO

Paul Ash and his merry, music-mad gang invaded the studio of WLS, Chicago, recently, took the microphone out of the hands of the announcer, put all the staff artists out of the station and between 11 and 12 midnight played havoc with the ether. They were so enthusiastically received that the musical director, despite their rough tactics, has invited them to come again.

* *

The mammoth organ recently installed in the concert hall of the Peabody Conservatory of Music at Baltimore by the munificent bequest of the late James Wilson Leakin, may now be enjoyed by Radio fans through WBAL. Every Monday and Thursday between 7:30 and 8 p. m. Eastern time well-known organists of the city will play this fine instrument.

* *

How to write a short story will be explained briefly over KGO, Oakland, Monday night, February 1, at 9:30 p. m. Pacific time, by Rebecca N. Porter, extension division, University of California expert. She will be heard on the regular educational program of the station. Four other speakers will also appear before the microphone.

* *

The old-fashioned flute came into prominence recently when James A. Biggs broadcast a program of flute solos from station WJZ. Mr. Biggs is well known in New York city through his afternoon concerts last year in Old Trinity church.

* *

On Thursday evening, February 4, at 11 p. m. Eastern time, the closing hour of dance music which nightly features the program of WEAF will be furnished by Vincent Lopez and his orchestra direct from the Casa Lopez, New York city. The Radio audience of WEAF was treated to a rare surprise a few weeks ago when Lopez and his orchestra rendered a special arrangement of Tschaikowsky's "1812 Overture."

* *

The Syracuse university provides the 7:45 p. m. Eastern time program at WGY, Schenectady, every Thursday evening. WGY and WFBL, Syracuse, have a special hook-up for this purpose.

Sport Broadcasts

Basketball

Saturday, January 30

KFMQ (299.8m-1000kc) University of Kansas-Centenary college, 7:30 p. m., Central time.

Monday, February 1

WOI (270m-1110kc) Ames, Iowa; Nebraska-Ames, 7:15 p. m., Central time.

Friday, February 5

KFMQ (299.8m-1000kc) University of Arkansas-University of Texas, 7:30 p. m., Central time.

Boxing

Friday, February 5

WOI (270m-1110kc) Notre Dame-Ames, 7:30 p. m., Central time.

Wrestling

Thursday, February 4

WOI (270m-1110kc) Oklahoma-Ames, 7:15 p. m., Central time.

Hockey

Tuesday, February 2

WBZ (333.1m-900kc) Boston Bruins-St. Patricks, 8 p. m., Eastern time.

Station Changes

KFQA, St. Louis, formerly operating on 50 watts, will now cooperate with the "Voice of St. Louis" and broadcast through KMOX, although still using its own call. KMOX has shifted wave lengths so that both KFQA and KMOX will now use 280 meters.

The Walla Walla broadcaster has increased from 50 to 500 watts. While still retaining the old wave of 256 meters, it will use the new call KOWW.

KFNF, Shenandoah, will use a new wave of 263 meters. The old wave of this station was 266.

A California station has moved, but not to Florida, however. KFWC, Upland, is now in San Bernardino, Calif.

CONFIRMATION FREE TO ALL FANS

STILL TIME TO WIN OVERSEAS CONTEST

GOLD AWARDS AND FAME FOR BEST RECEPTION

Radio Digest to Give $100.00 to Fans Most Successful in Getting Foreign Stations

CHICAGO.—From all evidence, Radio fans throughout the United States and Canada, are vieing for the $100 in Gold Awards and the national fame that will be given by the Radio Digest to those persons who are most successful in receiving European and South American programs during the International tests between January 24 to 30. Hundred of letters are being received by this magazine asking for further information concerning the awards.

No strings Attached

There are no strings attached to rules governing the Gold Award contest or the gaining of country-wide prominence through the publishing of the names and pictures of the listeners getting the best daily results. But for those who have not been informed, or those who do not understand the stipulations of the Radio Digest International test week contests, we are again giving the rules under which they will be conducted.

In the Gold Award contest the prizes are six in number: first, $50; second, $25; third, $10; fourth, fifth and sixth, each, $5. In the event of ties, a prize identical in every respect with that tied for will be awarded each tying contestant. The contest is open to every listener in the United States and Canada.

The editor of the Radio Digest, Hon. Frank W. Elliott, president of the National Association of Broadcasters, and E. A. Beane, federal supervisor of Radio, will act as judges of the reports and select the winner.

Rules of Reception Contest

1. The contest opened Sunday, January 24, 1926 and will close at midnight of Thursday, February 4. All reports must be received by the Chicago offices of Radio Digest by that time to be considered.

2. The reports will be judged upon four points: First, the fullest and most accurate description of programs received; second, the highest number of stations received; third, the greatest distance covered; fourth, the best and NEATEST report.

3. The report must include the name of the manufacturer and the style or type number of manufactured sets used by listeners. If a homemade or "kit" set is employed, the names of the manufacturers of the principal parts or the kit must be included. If headphones or loud speaker were used, the name of the maker must be given.

4. The finale note to remember is that the reception contest is only for the first five nights of the tests, from Sunday to Thursday inclusive, and reception of European and South American stations ONLY are to be reported.

Not Too Late to Try

As this issue of the Radio Digest will be on the newsstands and in the homes of the subscribers before the tests are completed, it is not too late for the ether fans to participate in the contests. A large staff of Radio Digest observers scattered over the country with most sensitive receivers are reviewing the tests, but because of their professional ratings will not participate in the contests. Their reports will make complete information available to fans regardless of locality.

To those listeners who get the best reception reports and notify the Radio Digest, will go national recognition. This magazine will release information daily to the press at large on the results of the overseas trials. Besides the newspaper publicity the successful fans will be given, the victors in the contests will be pictured in future issues of the Radio Digest.

What to Telegraph

Fans living in the Eastern sections of the continent are directed to write or telegraph PREPAID to the New York city offices of Radio Digest, located at 247 Park avenue. Those in the Middle west and western states or western provinces of Canada, should write or telegraph PREPAID to the Chicago offices at 510 North Dearborn street. Information will be telegraphed COLLECT, unless the inquiring listener makes it plain that the information is to come by mail.

In order that the name of a listener be given to the press of the country as a successful receiver, the telegram must contain a short sketch of the program received, the call letters of the station heard, the local time received, the approximate meter wave length, and the address of the listener.

Send telegrams any one of the five foreign test nights (Sunday to Thursday, inclusive) and you may bring national credit to your community.

TO WINNERS OF OVERSEAS TESTS

No, no, not the girl, F'evvens sake. If it was, crystal sets would be reporting Koenigwusterhausen and Radio-Paris. But Miss Dorothy Knapp, famous American beauty, now featured in Earl Carroll's Vanities, is holding the two silver trophies to be awarded in the Freed-Eisemann Radio corporation international reception contests.

INTERNATIONAL RECEPTION CONFIRMATION BLANK

The following blank may be used by readers of Radio Digest to report Foreign station reception. Confirmation will be made by Radio Digest when these blanks are accompanied by self-addressed and stamped return envelope.

Exact Time Heard	Brief Description of What Was Heard. Confine to Few Words	Call Letters If Heard	Meters or Kilocycles

If insufficient space is provided in above blank for your log (or you do not wish to mutilate your copy of Radio Digest), give this same information, in a similar form, on any paper available.

EXPERTS WILL AID CHECK OF FOREIGN CALL

Furnish Blank for Use

Listening Outposts and Correspondents Preparing Accurate Programs to Verify Reports

What foreign stations have you heard? What ones will you hear before the International Radio Week tests are concluded? Are you sure you heard foreign stations? How do you know?

In order to assist in confirming foreign station receptions, the Radio Digest is presenting this issue a confirmation blank (at bottom of this page) for the use of listeners in getting actual certified endorsement of their achievements.

The blank need not be clipped from Radio Digest. All that is necessary is to present the same information as requested on the blank. However, arrangement of the information similar to the blank will assist in checking the receptions.

Trained Listeners Check Europe

As this issue goes to press, a score of trained listeners, every one of them an expert, is checking the programs broadcast by the European and South American stations. The reports of these expert listeners, not the pre-arranged programs, which so far have proven inaccurate in many points, will be the basis for making confirmations. Radio Digest's foreign staff is also busying itself in collecting data on the actual programs broadcast. The data of the foreign correspondents, together with the reports of the special listening outposts, will make an absolutely correct set of programs, by which every suspected reception, submitted by fans, can be checked.

The confirmation service of Radio Digest is separate and distinct from the Gold Award contest, details of which are given in column one on this page.

How Fans Can Verify

Rough checking of programs can be made on the basis of wave length to which dials were set, together with the table presented last week showing the wave lengths of the principal foreign stations. Not all of these are participating. Definitely, with the reports of stations so far received and the announcement of the Radio week committee to judge from, the following stations are on the air:

Wave Length	Station and Power
1600	5XX, Daventry, Eng., 25,000 watts
496	2BD, Aberdeen, Scot., 1,500 watts
485	Munich, Ger., 4,000 watts
461	OTW, "Radio-Wein," Vienna, Aus., 5,000 watts
446	Stuttgart, Ger., 4,000 watts
410	MS, Munster, Ger., 1,500 watts
392½	HA, Hamburg, Ger., 4,000 watts
386	6BM, Bournemouth, Eng., 1,500 watts
380	OAX, Lima, Peru, 1,500 watts
375	LOX, Buenos Aires, Arg., 1,500 watts
373	EAJ7, Madrid, Spain, 6,000 watts
368	Prague, Czecho-Sla., 5,000 watts
363½	2LO, London, Eng., 3,000 watts
352½	5WA, Cardiff, Wales, 1,500 watts
300	LOW, Buenos Aires, Arg., 1,500 watts
263	SBR, Brussels, Belg., 1,500 watts

Listeners wishing further to identify stations where a foreign language is spoken should refer to last week's issue of the Radio Digest, pages 4 and 5. Here was told how various foreign stations announce themselves.

Minnesota Legionaires Put On Spectacular Radio Revue

MINNEAPOLIS, Minn.—"Back to Paris," a spectacular Radio revue, was presented by the Minnesota department of the American Legion and Legion Auxiliary from WCCO, the Gold Medal station, January 22, for which both the St. Paul and Minneapolis studios were used.

The revue was the most pretentious Legion program ever broadcast and the number of persons required for the cast necessitated the facilities of both studios. The spectacle depicted the trip of the Minnesotta Legionnaires and their families to Paris for the Legion convention which will be held in 1927.

DeRubertis Began Career with "Ghost Viol"

REAL Mystery Crept in Through Little Door Beneath Stage of Old San Carlos Theater, Naples, and Haunted Orchestra Pit. Phantom Fiddle Wailed Accompaniment to Bass Viol Until Leader Investigated and Removed the Mask, All of Which Led to the Successful Career of N. DeRubertis, Leader of Little Symphony Orchestra, Kansas City, Heard Over WDAF.

By H. P. BROWN

THERE was a mystery in the orchestra pit of the San Carlos theater at Naples, and everybody knows that the proper place for mysteries in a theater is on the stage above the pit. The tip of the left ear of the august director trembled as it positively detected the vibration of a bass viol when he saw with his own eyes that the professor in charge of the only bass viol in the pit had removed his bow and was silently sawing the air ready for the next slash at the strings.

But the director was not the only one who had heard the weird tone coming from the ghost fiddle. Other members of the orchestra spoke about it and so the director knew that his ears were not playing tricks. One day during a rehearsal when the presence of the unseen viol was particularly noticeable the director suddenly halted the music and began a determined investigation.

A small boy was discovered crouching in the tiny doorway that led under the stage. Here was the motive force but where was the instrument, for it must have taken a big one—too big to conceal—to produce the note of the big bass viol? When the boy found he was neither to be scolded nor punished he confessed that he was the player of the ghost fiddle and his fiddle was the door panel against which he had rubbed his rosined fingers. The friction produced sounds which the boy had practiced until he was able to faithfully mimic the notes of the bass viol behind which he had hidden. It seemed incredible but the boy proved his statement by demonstrating how he had made the ghost fiddle groan.

The director was overwhelmed with astonishment and when he learned that the boy had, through the assistance of a brother who played in the orchestra, spent his hours listening and watching the musicians he declared that such pluck and ambition should be fittingly rewarded.

Thus it happened that the little, dark door beneath the old San Carlos theater in Naples opened up to a golden path for the little black-eyed Neapolitan who later became famous as the conductor of the Kansas City Little Symphony orchestra—Mr. N. De Rubertis. The boy was taken under the personal tutelage of the director and proved that he was a "natural born musician." When it came time for him to try his wings and leave the home nest he sailed for America.

When the Kansas City Little Symphony orchestra was called upon to broadcast from Radio Station WDAF it became a matter of careful study and testing on the part of the conductor, N. De Rubertis (left) and the concert master, Luigi Bussolari, to select music best suited for the microphone. The resultant concert on January 8 proved that they had chosen wisely. Mr. De Rubertis is shown in single portrait above. Other concerts from this orchestra will be heard for months to come from WDAF.

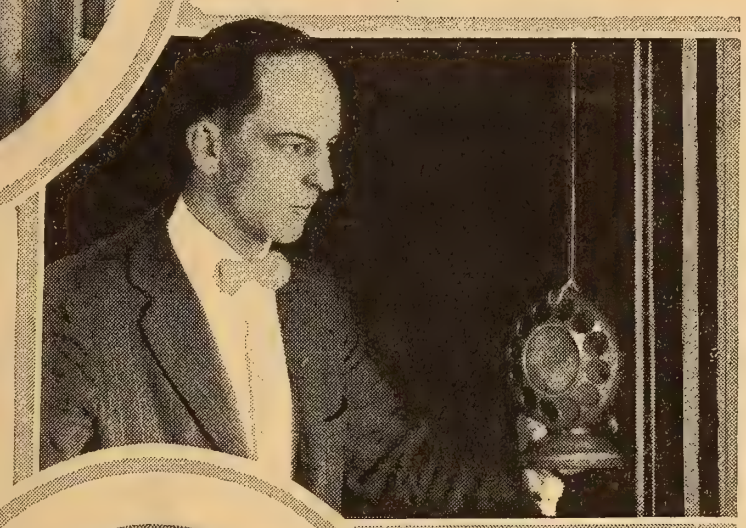
* *

AND, strangely, the haunting melodies from the deep-throated bass viol charmed him most of all the instruments in the orchestra. He soon was established in his favorite place behind the big viol in the Manhattan Opera orchestra. From there he found an opportunity to open a studio in Montreal where his fame continued to grow. Eight years ago there was a new impulse toward musical culture in Kansas City and De Rubertis was called to that progressive city to aid in the movement.

About him there assembled a small group of musicians who specialized in chamber music. They played for the love of playing, meeting at various times in the respective homes of the members. A little social hour and then they would unbox their instruments and the young De Rubertis would marshal them through the sonatas, operatic selections, classics of the masters and sometimes a patriotic selection. The better families considered it a privilege to be invited to these musical soirees. The group added one artist after (*Continued on page 26*

WKAR Broadcasts Farm Science to Nation

MICHIGAN State College Presents Regular Courses for Benefit of Farmers in Every State. Credits Allowed for Listeners. Sports and Dance Programs Are Also Furnished to Michigan Fans.



Lecture room (left) where farm study courses are broadcast. James B. Hasselman (below) general announcer and supervisor of Station WKAR. Sometimes Miss Margaret Foote (in circle) furnishes song as interlude between lectures. James Gamble (right) is the program director and prevents the professors from monopolizing the mike at the Michigan "Aggie" Radio station.

MORTIMER C. NICHOLS is one of the hardest working men in the state of Michigan. From the time of the first spring plowing until the last of the season's crops are garnered he is on the jump. He has three farms in the vicinity of Hastings in the middle western section of the state. He is up before daylight every day and off in his battered old flivver from the town home to the farm that needs him most for the day.

Mr. Nichols' course in engineering at the state university in Ann Arbor did not make a farmer of him. The farm idea came after he had given the engineering business a thorough try-out with the Illinois Central in Chicago. The monotony of office hours, confinement indoors, a stated salary income, regardless of effort, irked him. He hungered for acres. So he bought a farm near the old homestead.

It was hard sledding at first. Somehow the stock did not do well and the weather failed him with crops and then he found that agriculture nowadays is a science, requiring a scientific education as a specialized line.

He was married, had children and he had to keep going. He didn't have time to attend the very excellent agricultural college established by the state at the capital in Lansing—"East Lansing," as it has been more recently called.

So the state saw the predicament of Mr. Nichols. It may not have seen Mr. Nichols, personally, but saw his case as it existed in many thousands of other instances not only in Michigan but in neighboring states. It saw the need of extending its sphere of the agricultural college. And Radio Station WKAR went on the air.

* * *

IT TOOK the agricultural science to Mr. Nichols' home and the homes of the countless other farmers who were plunged head over heels in the business of making a living out of their lands in the face of unexpected difficulties. WKAR became the "Farm School of the Air." Lecture courses were arranged for broadcasting. Actual, practical problems that had been analyzed in the college laboratories by the experts were presented and answered according to established rules. Stock breeding, feeding and economic marketing were—and continue to be—subjects of lectures similar to the lectures given to the young bucks taking the courses on the campus. Soil conditions for most appropriate planting were described.

Farmers throughout the region are now gaining their college educations at their own firesides. Questions have been received from practically every state in the union from farmers with their own individual problems.

One individual sends a letter with a pertinent question on a prevalent disease affecting cows, sheep or pigs. The whole countryside hears the answer by one of the most skilled veterinarians in the land. Another wants to know about the kinds of poultry to raise most profitably. The professor of the poultry department gives his expert advice to the farmer who is tuning in near the cross-roads five miles from the nearest town. Study credits are allowed listeners who follow lectures with formal correspondence.

Seely's Pastime Players (above) are the pep manufacturers for this 1,000-watt Michigan station.

A wintertime glimpse at the towers of WKAR on the campus of the Michigan State College at East Lansing.

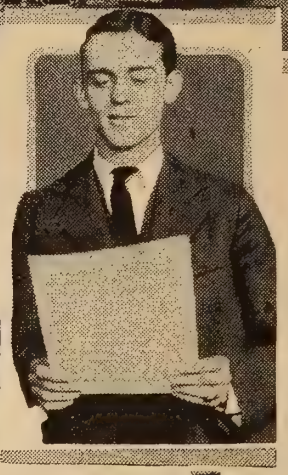
But WKAR also has its lighter programs. In the broadcasting of sport events it has won a warm place in the hearts of followers of college athletics. James B. "Jimmie" Hasselman, chairman of the Radio advisory board of WKAR, is one of the first announcers in the country ever to broadcast a running account of a basketball game direct from the gymnasium in which it was played.

At the start of the game Hasselman climbs into a sound-proof booth in the balcony of the college gymnasium. There, with his eyes on the playing floor, he tells his unseen audience just how each play was made, who made it and how (*Continued on page 12*)

Baltimore Waited Long to Join Air Chorus

Max Rosenstein, celebrated WBAL violinist (below).

Below are members of the WBAL directing staff, left to right: John Wilbourn, assistant studio manager, tenor; George Bolek, program supervisor; Stanley W. Barnett, studio manager and announcer; Gustav Klemm, conductor of WBAL concert orchestra; Frederick R. Huber, broadcasting director, and James Wilkenson, announcer.



F. R. Huber (right), WBAL station director. Gustav Klemm (at piano, circle) and John Wilbourn, tenor. James Wilkenson, (left), baritone. Lower left, Jules Sims, cellist, and Mr. Klemm. All are WBAL artists.

MAYOR Jackson Thought the Maryland Port Never Would Get a Real Big Broadcasting Station When Along Came WBAL with 5,000 Watts

FOR SOME unknown reason when young Radio went leaping about the country establishing new broadcasting stations here, hither and yon it seemed to hop right over Baltimore, Maryland. There was a great deal of talk about it among the responsible people of the town. Some of the city fathers approached Mayor Jackson with the intimation that it might be a good idea to establish a municipal station if none of the private concerns seemed inclined to take it up.

Mayor Jackson spent several sleepless nights pondering over what official attitude he should take in the matter. The people were buying receiving sets by the carload. All the other big cities along the Atlantic seaboard had broadcasting stations. Back in the "hinterland" they were introducing themselves in a glowing way that certainly must be stirring up a mighty curiosity among listeners to come, see the sights, hear the music and spend their money in the shops.

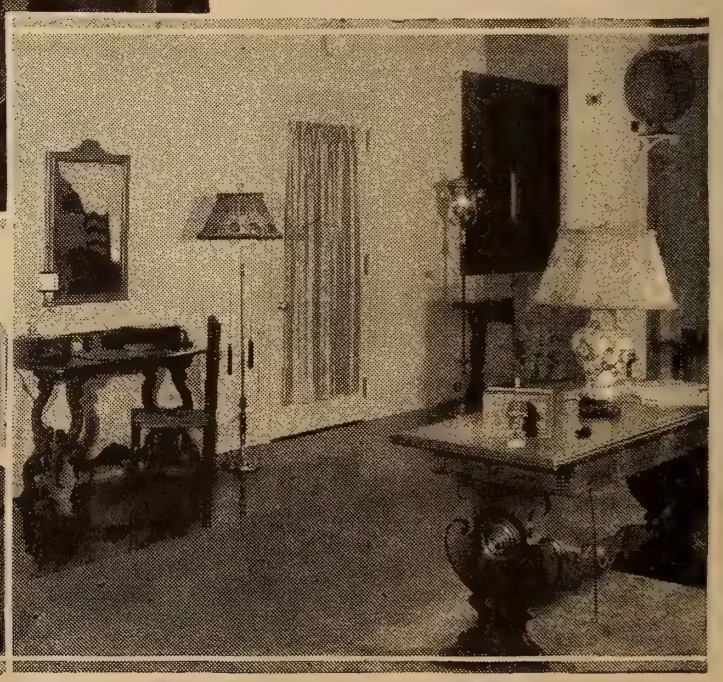
But, what about Baltimore? Only a dark, unremitting silence answered the ether query of the dials all the way back to California's golden shores. However, the seed was there and November last as the world well knows, Baltimore's clarion voice flashed into space, full chested and man-sized, ringing and surging its way down the aerials of the nation. A million pencils throughout the land welcomed the announcement of WBAL, Baltimore, on the air and jotted the meter wave length, 375, opposite the figures of the tuning point on the dial gauge.

So Baltimore is on the air—and making up for lost time. Mayor Jackson and Governor Ritchie both helped at the christening and congratulated the proud parents, the Consolidated Gas, Electric Light and Power Company of Baltimore, represented by the president, Herbert A. Wagner.

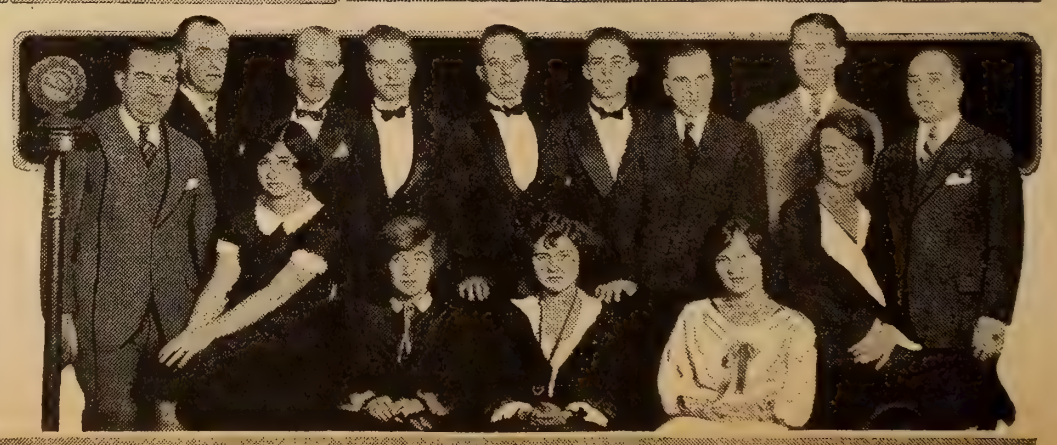
Mr. Wagner promptly dedicated the child to the city of Baltimore with these words:

"THE public utility which I represent has taken upon itself, as a public servant, the duty and privilege of providing a superpower broadcasting station for the service of Baltimore and the State of Maryland. Up to this time Baltimore and Maryland have not enjoyed (*Continued on page 24*)

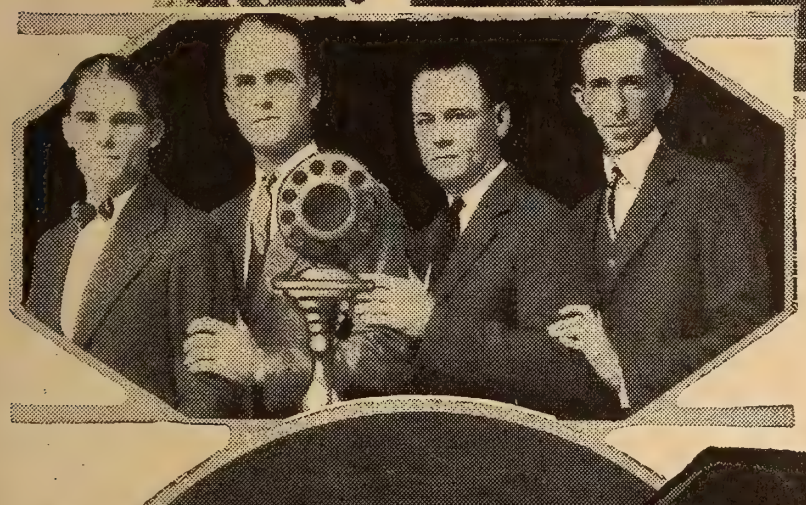
At right are James Wilkenson (standing) and Stanley Barnett, the announcing team at WBAL, Baltimore. George Bolek, (below) pianist and assistant program director.



Among the feminine artists are those seated in the group at the right, left to right: Florence Frantz, Audrey Cordero, Vivian Cordero-Friz, Elizabeth Stidman and Charlotte Rodda. After Walter Linthicum, baritone, (left) the first six men are staff artists pictured above. Then come Conner Turner, baritone, and Edward Jandrek, tenor. A glimpse of reception room for artists in picture above group.



All Aboard with "Tootsie" via KFDM Line



MAGNOLIA Mike Takes Radio Listeners Over Accomodation Air Route to Beaumont. Fast Time by Caster Oil Clarence. Farmer Perkins Almost Wrecked.

Miss Lillian Richards (upper left) soprano. Magnolia Refinery Band (top). Mrs. Harvey Gilbert (above) soprano. The Scrap Iron quartet (left) and at the piano, Miss Allie Huitte. All among the passengers who help to make the "Tootsie" trip on KFDM a merry one, for they're a merry lot!

"TOOT! TOOT! Here comes Tootsie" the iron horse of KFDM all the way from Beaumont, Texas, the land of the glorious Magnolians. Clear the dials and flag 'em on Ether Track No. 306.

Radio listeners who never yet have boarded this famous special have a treat coming. All abroad! Castor Oil Clarence is at the throttle and Magnolia Mike is the conductor in charge of the train. Hold on to your hats and don't stand up!

Folks down Texas way are always flagging "Tootsie" because they like to hear the passengers, the crew and the animals perform. Everybody is classified. The Flappers occupy the front seats in the accommodation coach so they can be handy to the Butch with his melodious song about his wares. They buy gum just to induce him to sing about its mysterious transition when it is placed on one side of the bed on retiring and is found on the opposite side in the morning. They also do a little singing on their own account and dance to the water cooler for "Just a Little Drink."

Then there is Pete the Passenger who knows all the telephone poles by their first names as "Tootsie" whistles and whizzes past them on the Radio route to Beaumont, Tex. Pete the Passenger keeps up a rattling conversation with Farmer Perkins who can't resist letting his attention wander across the aisle to the nifty young bathing beauties taking a trip to the beach. It is obvious that Pete is carrying the heavy side of the dialogue although Farmer Perkins makes his presence unmistakably known. (*Continued on page 26*)

Below is that galaxy of Magnolian stars which make KFDM such a merry station. Note "Oink" and "Heehawhaw" at extreme left. Magnolia Pete, hiding behind billboard, and his gang swarming over "Tootsie," the iron horse.

There's a sob and a throb when the Mozartists (above) put their hearts in their violins and all start playing at the same time for the Radio audience of KFDM. They are announced as the "Mozart Violin Choir." Miss Gladys Harned is director. Dick Haynes (right) doesn't expose his tonsils like this all the time. He was caught singing but the mike doesn't happen to show. It's a very modest "Mike."

WJAZ RAILS HOOVER WITH 'PIRATE' WAVE

U. S. SEEKS WAY TO SHUT DOWN ZENITH STATION

E. F. McDonald, Jr., "Takes" Canadian Wave While Amused Public Watches Peculiar Controversy

CHICAGO.—Who owns the air, and if the United States owns the ether and can control it, by what official act are American wave lengths reserved for Canadian stations? Why should one station be allowed 166 hours a week on a certain wave length, and then the department of commerce specify that another station use that wave length for but the remaining two hours?

WJAZ, the broadcasting station here, of the Zenith Radio corporation, will soon settle the questions listed above, for WJAZ has gone on the air and "taken" the wave length of 329.5 meters, a wave length unused in the United States. In Canada it is used by seven stations, nearly every one of them remote from this city and outside the sphere of interference.

And the "taking" has not been authorized by the department of commerce, either. The latter, according to Secretary of Commerce Hoover, will show WJAZ what's what in short order.

But Will the Department?

But will the department of commerce be able to do what it says it will? There is no Radio law with the exception of that passed in 1922, and that law has many defects now. Wise heads are inclined to believe that the WJAZ controversy has several angles, and that E. F. McDonald, Jr., president of the Zenith Radio corporation, may have much in his favor.

The last dispatches state that the government has launched its litigation against WJAZ for "piracy" of a wave length, first by filing papers demanding forfeiture of the station's license and seizure of its equipment, and second by bringing the Zenith organization into court to show cause why it should not be punished for usurpation of an unauthorized wave length.

Mr. McDonald has laid his cards on the table. He asks for a test case. He is willing to abide by the decisions of that case.

McDonald Attacks Hoover Efficiency

Mr. McDonald added further fury to the scorching test case by broadcasting—on 329.5 meters—an attack on the secretary of commerce. The prominent Radio manufacturer claimed that Mr. Hoover had grossly abused his discretionary powers in the regulation of broadcasting.

His point was well taken, for people ask, if Mr. Hoover really has the power claimed since the test case was inaugurated, why did he allow the broadcasting channels to become so congested? Why, asks Mr. McDonald, are there twenty-seven stations broadcasting on one wave length, and on several other wave lengths, but one station on each?

WJAZ, when formerly located on the Edgewater Beach hotel, of Chicago, got off the air when it was found that interference from this station was disturbing public reception. The transmitter was sold but the call letters were retained. WEBH is the old WJAZ set, rebuilt and remodeled.

WJAZ and its fore-running experimental stations, belonging to the Chicago Radio Laboratory, a subsidiary of the Zenith company, are Radio pioneers that have blazed the trail for many broadcasters of today.

Can the U. S. Do Anything?

The case, summed up, is simple. Mr. Hoover, although solicited ever since the sale of WJAZ's old set, has not seen fit to give WJAZ a new wave length, or at least one that is acceptable. Therefore, WJAZ has taken one that is not claimed by the United States. Can the United States prosecute WJAZ or its owners?

Being a broadcasting station without a country, what can be done about it?

If Hoover can do anything, the question arises, then why doesn't he close up certain other stations which are known to merely clog up the air with their interfering broadcasts, over-modulated transmitters, rank programs, and obsolete type sets?

The stage is set for much amusement for the Radio public.

Station WSAI on Air More Than 1,000 Hours Last Year

CINCINNATI.—A check of the programs broadcast by WSAI, here, during 1925 shows that the station was on the air more than 300 days for a total of more than 1,000 broadcasting hours.

WSAI is on the air six nights a week, its average program lasting three hours. Included in the total of broadcasting hours was a 24-hour anniversary and dedication program.

McDONALD ANSWERS CHARGES OF PIRACY

ANSWERING the charges made by the department of commerce and the public press, E. F. McDonald, Jr., president of the Zenith Radio corporation, of Chicago, herewith gives his statement of the whole affair:

E. F. McDonald, Jr.

"My attention has been called to articles appearing in the public press, from which it appears that the United States government is about to institute some sort of legal proceedings against Zenith Radio corporation, of which I am president, with the idea of punishing the corporation or certain of its employees for operating its broadcasting station, WHAZ, for more than two hours per week, the time allotted to it by the secretary of commerce.

"If the government does take some action it will not be a surprise to us as we notified the government authorities that we intended to go on the air for the purpose of making a test case in order to determine whether or not there is such thing as freedom of the air.

Hoover Abuses Discretionary Powers

"Before doing this we made every effort to obtain from the secretary of commerce some fair and reasonable division of time. I spent weeks in Washington with my attorney, Irving Herriott, pointing out the various channels that were open. All our efforts met with failure.

The department even arbitrarily refused to permit us to use a wave length that another station enjoyed and offered to us. We feel that not only we, one of the pioneers in Radio broadcasting, but scores of other stations have been discriminated against.

"The secretary of commerce claims to have wide discretionary powers in the division of time between the broadcasting stations. I question whether or not he has such discretion, but if he has, I wish to state that in my opinion he is abusing this discretionary power, not only in our case, but in many others, to the detriment to the public and the Radio industry.

"The present chaos and congestion in the air which makes it almost impossible for the listener with the average Radio set of limited selectivity to separate one broadcasting station from the other, is not due to the great number of broadcasting stations in the United States, but is the result of the abuse of the discretionary power which the secretary of commerce claims to have in the division of wave lengths and operating time, and in spite of this chaotic condition for which the secretary of commerce is responsible, he is today asking congress to pass legislation which will confer upon him even broader powers of discretion than those which he now claims to have.

Recites Mismanagement of Department

"As a further indication of the extent of this abuse of this alleged discretionary power, I want to point out the fact that the secretary of commerce has licensed twenty-seven broadcasting stations on one particular wave length, yet permits other stations to enjoy an exclusive wave length, with no time limit. It is obvious that twenty-seven stations cannot operate simultaneously, on one wave length, and be heard.

"In our own particular case he has licensed us to operate only two hours each week and has licensed another station to operate on our wave length the remaining 166 hours each week, and even our little two hours is subject to cancellation at the request of the General Electric company.

"The public is justly complaining about the congestion, yet if there were an equal division of time and wave bands, and no favoritism shown, all could be heard and the public would receive real service without interference.

Who Shall Have Monopoly?

"In the litigation, which, according to newspaper accounts, the government is about to institute, there will be involved necessarily the right of citizens of this country to use the air and have a fair division of it, but there will also be presented the question, (if the government has this right) shall it regulate in favor of monopoly and against the independent interests and the public generally?

"The Radio public today is fully aware of the fact that certain interests now claim to have what virtually amounts to a monopoly of many exclusive wave bands. In my opinion any institution other than one whose business is to disseminate news should have nothing which approaches an exclusive right to any wave band. News agencies are in the nature of public utilities, and their use of the air is of vital interest to the public generally. Such broadcasting should necessarily be given preference over music and other entertainment, but I say that none other than such should be given preference.

Fights for Principle, Not Gain

"With the idea of settling one of the greatest questions presented by the development of modern science, the Zenith Radio corporation intends to litigate in every way possible the questions involved. We naturally desire a reasonable division of time for our own broadcasting station, but if we can by litigation settle the question of the freedom of the air and a fair and equitable division of time in the interests of the public and the broadcasters is obtained, Zenith will consider its efforts well worth the sacrifice, even though it might itself be unsuccessful in obtaining a reasonable share of the time for its own use.

"Our action has been referred to in the press as 'Piracy of a wave band not in use by any broadcasting station in the United States.' With reference to this I am reminded of the statement by one of the most eminent leaders in England's politics, when, in discussing the land laws of his country, he said, 'What finger wrote the law that made us trespassers in the land of our birth?'

"With apologies to the Honorable David Lloyd George, I say, what finger wrote the law that makes us pirates in the free air of America?

"In conclusion I wish to state that our position is that we fight for principle rather than for personal gain.

"Old Hickory" New Whistle Of George Hay at Nashville

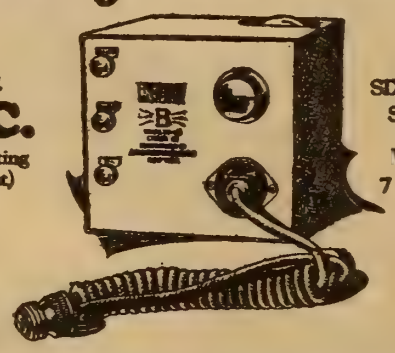
NASHVILLE, Tenn.—And now comes "Old Hickory." George Hay has a new steamboat whistle which is heard regularly from Station WSM, here. The new whistle has been named after Andrew Jackson, whose home town was Nashville. It is properly known as the "Cumberland River Steamboat, Old Hickory."

Thousands of the Radio fans will remember Mr. Hay's first whistle, "Hushpuckiny," heard from Station WMC, Memphis, when Mr. Hay was announcer there, and also his "WLS Unlimited Train" whistle he used to give from the Sears-Roebuck station at Chicago.

Latvia Has One Station

RIGA, Latvia.—The little Baltic republic of Latvia has one broadcasting station of which it is very proud, at Riga. News is the principal broadcast feature.

YOU don't need "B" Batteries if you use the FRESHMAN MASTER "B" Battery Eliminator



FOR A. C. (Alternating Current)

SIX INCHES SQUARE

WEIGHS 7 POUNDS

This marvelous device absolutely eliminates "B" batteries

With the Freshman Master "B" Eliminator your set will always be supplied with constant and uniform power. Noiseless in operation; your reception will not be marred by the snap and crackle due to chemical action in "B" batteries.

The list price of the A. C. Model Freshman Master "B" Eliminator is $20.00. However, a tube is required to rectify the alternating current into the required direct current for radio operation. And, as we desire to furnish the best rectifying tube that is obtainable, in our opinion, Freshman Master "B" Eliminators for alternating current are now furnished with R. C. A. Rectron UX-216-B Tubes.

FRESHMAN MASTER "B" ELIMINATOR, R.C.A. Rectron UX-216-B Tube $27.50

Sold by Authorized FRESHMAN Dealers Only

Write for 24-page illustrated booklet, full of useful information for all radio fans.

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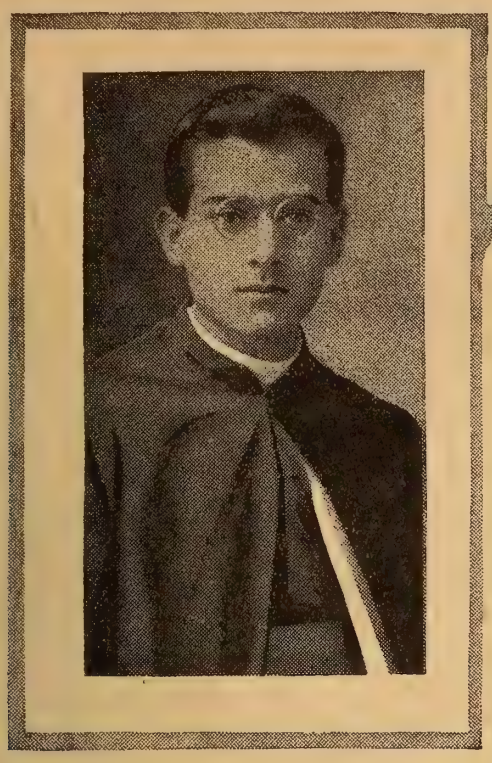
OAX, Lima, Peru, Presents Best Programs



Much credit for the exceptional international test program from Peru is due to the Rev. Father Paulo Chavez Aguilar (above), master of the Metropolitan Basilica and author of many religious works. One of the brightest stars of the Philharmonic Society of Lima, Peru, was Senorita Arrospide de la Flor (center). Antonio Garland was the supervising director of the special program arranged for the week.

"Chiquilla" (little) Elvira Sanchez, 12-year-old Indian girl (above), whose clear childish voice was heard in many homes over the North American continent, sang from OAX, Lima, Peru.

WHILE the ears of the North American continent have been straining toward eastern shores during the great international test week, many aerials have been picking up a very pleasing wave from the south.

The particular one referred to is OAX of Lima, Peru, South America, which is on a line almost directly south of Montreal and Philadelphia and about 3,800 miles south of the latter city, approximately the same distance as it is to Edinburgh.

It is doubtful if any station of any country took more elaborate pains to prepare such a universally pleasing series of programs. A spirit of most earnest cooperation was manifest in the letters and cables sent to the supervising committee by Gerald A. Slater, general manager of the Peruvian Broadcasting company at Lima.

Notwithstanding that part of the series will have been already rendered by the time this issue of Radio Digest is on the street, the complete series is published as an example and model of thorough and thoughtful consideration of an important event not only in the history of Radio but in the history of world relationships.

Sunday, January 24

Himno Nacional del Peru, Banda del Regimiento Guardia Republicana; Palabras de saludo a los oyentes de Estados Unidos, Sr. Andres Dasso, Alcalde de Lima; Himno Nacional de los Estados Unidos, Banda del Ragimiento Guardia Republica; Speack de S. E. el Embajador de los Estados Unidos, Mr. Miles Poindexter; Nocturno No. 2, Borodini, Orquesta "Oax," Director Mateucci; La Fanciula Abandonatta, Gerdes (per), Pepita Gomez Sanchez, soprano; Yaravi (Canto Indigena), Jose Llovet Peral; Danza de la Flecha (aire nacional), Ojeda, Banda Gudardia Republicana; Duo de Quenas, Fantasia Incaica, Guillermo Flores; "Ollanta" (Reminiscencias), Vallerriestra-Orquesta "Oax"; (a) Jubilo, (b) Las Gaviotas, lieds compositor Per., Tenor Sr. Carlos Pardo Figueroa, Alfonso de Silva, piano, Sr. Carlos Raygada; Canto Espanol, Osma, Solo Violoncello, Prof. Amilcare Mateucci; Poesia Moderna de Peru, Alberto Ureta, Declamicion por el autor; El Nino de la Palma, Paso Doble, A. Childa.

Monday, January 25

"El Derecho International y el Radio," Dr. Oscar Miro Quezada (causerie en ingles); Mi Viejo Amor, Cancion Mejicana, Esparza Otero, Soprano Srta. Pepita Gomez Sanchez; Serenata, Widor, Piano Maria Jesus Felises, Harmonium Ines Pauta, Flauta Enrique Fava Ninci, Violin Virgilio Laghi, Violoncello Amilcare Mateucci, Academia Nacional de Music; Danza de las Brujas, Mc.Dowell, Piano Srta. Marina Vantosse E Ben o andro lontana, "La Wally," Catalani, Srta. Consuelo Paernio (Piano Sr. Frederico Gerdes); Impresiones de la Tarde, Gerdes, Violin Virgilio Laghi, Piano el autor "Piropos Limenos," Poesias (declamacion), Sr. Andres Aramburu, Director de "Mundial"; "Ollanta," Opera Peruana, Maestro Vallerriestra, Soprano Srta. P. Gomez Sanchez, Contralto Srta. Lucrecia Dora; "El Llanto del Inca," Vals Caracteristico Indigena-Ballon-Orquesta "Oax"; "Ritorna Vincitor," Aida Verdi, Soprano Srta. Teresa Paz; Vals, Moskowsky, Piano Srta. Ines Pauta (Academia Nacional de Musica), Polilitas Limenas, Camel, C. Freyre (Peruano), Orquesta "Oax."

Tuesday, January 26

The Plebiscite of Tacna and Arica, Short disertation by Ing. Carlos Jimenez Correa; Variaciones, Proch, Soprano Ligera Srta. Valentina Olin, Piano Srta. Rosa Ayarza de Morales Solar; Quenas, Vals Indigena, Duncker Lavalle (peruano), Orquesta "Oax"; Perlas del Brasil, Feliciano David, Soprano Sra. Natalia Garland de Cook, Piano Sr. Frederico Gerdes; Granada, Albeniz, Orquesta "Oax"; Lcgenda, Opera Iris, Mascagni, Sra. Victoria Dien de Siccoli, Orquesta; Serenta de los besos, De Michell, Orquesta "Oax"; Pobre amor, (lied) Alfonso de Silva (per.), Sra. Natalia Garland de Cook, Piano Sr. Frederico Gerdes; Mai, Melodia R. Hahn, Orquesta "Oax"; Una furtiva lagrima, Do-Mizzti, Tenor Marcial Calonge, Piano Sra. Rosa Mercedes Ayarza de Morales Solar; La Gusta en el Arroyo, Valcarcel, Piano Srta. Alicia Cardenas Garcia; A fose lui, Traviata, Srta. Valentina Olin, Piano Sra. Ayarza de Morales Solar, Rusticanela, Fox Cortopazzo, Orquesta "Oax."

Wednesday, January 27

Polonesa Tragica Fava Ninci, Piano Srta. Maria Ureta del Solar; (a) La Jazminera, (b) El Caballo de Paso Poesias declamadas por su autor brilliante poeta laureado Dr. Jose Galvez, (c) La Primera Rosa; Danza Granados, Piano Srta. Enriqueta Arosemena Garland (Conservatorio Padrosa); En el Claustro, Borodine, Orquesta "Oax"; Voces de Primavera, Strauss, Elvira Sanchez Lavalle, (The lark "criollo") Twelve years; Dolor, Melodia tipica del indio peruano ejecutado en "quenas" instrumento primitive original indios. Sres. Velez y Rey; (a) Yaravi, (b) Cancion popular, Tipicos Aires, Estudiantina de Amateurs, (c) Zana (Aire de tierra) populares criollos, guitarra, canto, piano, (d) Marinera y tondero, del Peru, bandurria y cajon; Cuando el Alma so aduerme, Dona Francisquita, Vives, Tenor Chaques; La Zambita y el Betun, Mariners (Tipico popular) Orquesta; Poesia Contemporanea del Peru, Dr. Alfredo Gonzales Prada, Declamation; Princesita, Cancion espanola, The lark "criollo," Elvira Sanchez Lavalle; La Peruanita, Paso Doble (Inedito) Original popular compositor espanol Quinito Valverde, Orquesta "Oax."

Thursday, January 28

"The Problema of Tacna and Arica after the decision of President Coolidge," Short disertacion, by Charles E. Ledgard; Prendi I anel to dono, Bellini, Duo Soprano Srta. Valentina Olin y, Tenor Marcial Calonge; "El Condor Pasa," Preludio, Folk-lorista Alomias Robles, in New York, Orequesta "Oax"; 8 Variaciones sobre un Tema Insaico, R. P. Paulo Chavez Aguilar, Maestro de Capilla Basilida de Lima; (a) Qkirie, (b) Santuc, Coro Tres voces mixtas, Paulo Chevez Aguilar, (c) Agnui Dei, Musica Sagrada, Maestro de Capilla de la Bascilica, Lima; Nocturno No. 3, Chopin, Piano, Notable Concertista Sra. Mercedes Padrosa de Cabral; Lorley, Danza delle ondini, Catalani Orquesta "Oax"; Preludio y Alegro, Pugnani, Kreisler, Solo Violin Sr. Hector Cabral, Accompanamiento Sra. M. Padrosa de Cabral; Hermanita Trsiteza, Cancion Cubana, Lerdo de Tejeda, Tenor Chaques; La Lima de hoy que ama el Radio, Short disertation, by Antonio Garland; Es mi amor, Fox-trot de Durand.

STATION KOA TO WIRE PROGRAM OVER DIVIDE

Special Patrol Checking Up 300 Miles of Telephone Line

GRAND JUNCTION, Colo.—Few of the thousands of listeners who tune in this city via Station KOA, Denver, on the night of February 5 would care to make the long, hard journey over the main range of the Rockies in midwinter by ski and snowshoe which broadcasting of the Grand Junction program will make necessary.

So that good telephone service from here to the station in Denver will be assured, the telephone company is sending a special patrol along the 300 miles of wire to check up on its insulation. The line is in canyons and mountains practically the entire distance. The patrol will be hazardous on Fremont and Mosquito passes where the wires cross the continental divide at an elevation above 12,000 feet.

This will be the first time a Radio program has been sent across the continental divide by telephone.

Navy Makes New Record

WASHINGTON.—New distance records are constantly being established by the United States naval laboratory at Bellevue, Md., in its experimental high frequency work. Recently two-way direct communication was established between the Bellevue laboratory and the naval vessel Scorpion in the Mediterranean sea. A 71-meter wave was used.

Station WGY to Send Special Tests Jan. 30

Will Use 50,000 Watts of Power in Trials for Distance

SCHENECTADY, N. Y.—From 11 to 11:15 p. m. Eastern time on Friday, January 29, and 11:15 to 11:30 p. m. Saturday, January 30, WGY, General Electric station here, will put on special programs for the benefit of American listeners.

Every night of International Radio Week has been dedicated to special transmission stunts in accordance with the spirit of the week. On Saturday and Sunday nights, January 30 and 31, the superstation of WGY using 50,000 watts of power will be on the air. This transmitter has been idle for some weeks pending the completion of several changes in the outfit. It has never had a real test for distance, because on previous occasions when it was used, atmospheric conditions were not favorable for distant reception.

WOC Used Many Languages In International Exchanges

With students drawn from all corners of the earth, The Palmer School of Chiropractic, Davenport, Iowa, was able to broadcast announcements from its own Radio Station WOC, in many foreign languages during international test week. In all about fifteen languages were used.

Vocal selections broadcast from the powerful Davenport station were also representative of various European countries.

STATION WLW GIVES BIRTHDAY PROGRAM

CELEBRATION MADE PART INTERNATIONAL TESTS

Powel Crosley, Jr., Gives Address on Broadcasting Development and First Stars Are Heard

CINCINNATI, O.—In addition to its regular schedule of features for the week, the Crosley Radio corporation, arranged a 23-hour program for the international tests to celebrate its fourth anniversary of broadcasting through its WLW station, Wednesday, January 27.

The dedication of the first-remotely-controlled superpower broadcasting station took place last year and it was through that same station that the Radio audience was provided the lengthy program. This station is the fifth one to be owned and operated by Powel Crosley, Jr., who addressed the listeners on the development of the broadcasting art. He spoke at the conclusion of the first part of the concert by the Syrian Temple Shrine band, under the direction of Henry Fillmore.

WLW's Ten-Thousandth Hour

At the time Mr. Crosley began his talk, it marked the beginning of the ten-thousandth hour of broadcasting through the WLW station. Many innovations were introduced to the air audience during this period and several surprises are in store for future broadcasting programs.

"A radario" was presented by Robert Stayman, who was the first announcer of the Crosley station. It depicted the early days of the studio when it was necessary to quit broadcasting until the whistle of a passing locomotive had finished its piercing screams as the station was located alongside of a railroad track. Artists who were booked on the early programs took part in this review.

Hear Hand Saw Pioneer

Robert Alter, the first musician to introduce the playing of a Vox Ferro or hand-saw to the Radio audience, played that instrument on this program. In addition, there was a trio, consisting of saw, violin and piano.

The large pipe-organ in the WLW studio was played by several artists during the program. Many orchestral effects were obtained in utilizing the various stops.

William Charles Stoess, studio director, and Louis John Johen, program director, contributed to the program, through the former's violin solo work and the latter's baritone solos. Rosemary Stoess accompanied the artists.

SECRETS OF SOUPS ARE TOLD BY BETTY

MISS CROCKER DESCRIBES PRINCIPLES OF COOKING

Food Value High—Mineral Content Good For Body—How to Prepare Soup Stock

Have you heard, and do you regularly listen for Betty Crocker's Radio talks? Miss Crocker is nationally known as a home food specialist who is broadcasting from a dozen of the country's largest stations. By special arrangement Radio Digest has secured a series of exclusive articles by Miss Crocker dealing with her current Radio talks. These broadcasts are made through WEEI, WEAF, WCAE, WGR, WEAR, WWJ, WDAF, WJAR, WHT, WFI, KSD, KFI, and WCCO, the Gold Medal station at Minneapolis-St. Paul. All of Miss Crocker's recipes and discussions are based upon actual investigations and work of herself and her assistants in model kitchens.—Editor's Note.

By Betty Crocker

IN THE older European countries, food has never been found in abundance as in America. The peasants have had to struggle long hours at back-breaking tasks for a tiny bit of black bread and soup. Food has been so scarce that it is almost sacred to them. They look upon it with a sort of reverence and hoard every bit with great care. And so they make deliciously nourishing soups out of scraps that we would throw away.

An American cook carelessly throws together some meat and a few vegetables and seasonings, gives little thought to the preparation of it, and then explains that her family does not care for soup. The same family dining in a foreign country or at a dinner prepared by a good chef will exclaim at the very delicious soup.

They might be quite surprised to know that the ingredients in that soup differ very little from those in the soup they dislike so much at home. It is true that soup may be made out of odds and ends of food, but these ingredients should be so carefully handled and the whole dish so carefully prepared that the result will be a work of art.

Food Value of Soups

Soup has an important place at the beginning of the meal because it stimulates the appetite. The more substantial soups may well be made the main dish for luncheon and supper. Because of the large proportion of water the amount of food value in any soup is not high if we count it in calories.

However, most soups contain valuable minerals and vitamins, especially if vegetable pulp and stock are used in it. Then too, because of the heat alone the soup is stimulating and leaves one with the feeling of being well fed, especially in cold weather. The addition of milk makes any soup more nourishing and milk soups are always convenient because they are quickly and easily made. They are especially good for children. It is substantial enough to use as the main dish for luncheon or supper when you do not care to serve meat.

Vegetable Chowders

I wonder if you are familiar with the vegetable chowders. The only difference between a chowder and a creamed soup is that the chowder contains cubes of meat and vegetables. Here is the recipe for a very good corn chowder:

Two cups milk, one-half teaspoon salt, one-eighth teaspoon pepper, one tablespoon minced onion, one tablespoon butter, one tablespoon Gold Medal flour, one cup canned corn, three tablespoons chopped bacon.

Method: Fry onion and bacon in butter until brown. Add flour and cook two minutes. Add corn, potatoes, salt, pepper and milk. Let simmer fifteen minutes. This amount will serve six people.

Creamed Vegetable Soups

You do not need a separate recipe for each kind of creamed vegetable soup as the general proportions are very much the same in every case. The foundation of the vegetable soup is a thin white sauce made by adding two tablespoons of fat and two tablespoons of flour to one pint or two cups of milk. Combine two cups of vegetables with this white sauce and the water in which they were cooked and season to taste. That is, you should have two cups including the cubed vegetables, or pulp, and the stock. You will note that gives you equal parts of the vegetables and white sauce; one pint or two cups of white sauce and one pint or two cups of vegetables and stock. If you want a smooth soup, press the cooked vegetables through a sieve before combining with the white sauce.

Cream soup like any other creamed dish forms a scum on standing. Beating the creamed soup with a Dover beater just before it is served will break up this ugly scum and leave the soup foamy on the top. Never remove the scum as it is a valuable part of the soup.

Very often we have use for a soup without milk and without meat stock. Tomato is a favorite and should be used often in the winter when other vegetables are rather scarce. This is one of my favorite recipes for tomato soup:

Four cups cooked tomatoes, two cups water, four whole cloves, bit of bay leaf, two teaspoons sugar, one and one-half teaspoons salt, two tablespoons butter, three tablespoons Gold Medal flour, one tablespoon minced onion, one-eighth teaspoon pepper.

Method: Combine tomatoes with water, sugar, bay leaf, cloves and onion. Simmer slowly twenty minutes. Add salt and pepper and strain. Make a smooth paste of the butter and flour. Pour the strained tomato into the paste. Cook five minutes or until it thickens, stirring constantly.

Of course it does take some time to cook together the tomato and seasonings, but that can be done while you are setting the table.

AVOID DYSPEPSIA BY DOING OWN COOKING

CINCINNATI.—Men are just as interested in the culinary art as women, says Mrs. Ralph H. Auch, dietician in charge of cooking hints and recipes broadcast every Wednesday afternoon from Crosley WLW superstation here. "Ah," replies the wise one, "the men have to be careful what their wives cook. As it is, look how many get dyspepsia!" Mrs. Auch reports that almost as many men as women write her about her WLW cooking lessons. Which goes to prove men could get along without the ladies.

Heart-Broken Mother Seeks Wandering Son

KOA Broadcasts Do Not Locate Grant Fox

DENVER.—"I will look for a letter every day until it comes!"

Thus reads a letter to KOA, General Electric station here, from a heart-broken mother of Parker, S. D., who is praying that the miracle of Radio will bring back her wandering 16-year old son, Grant.

In her pathetic message, this mother, Mrs. R. B. Fox, asked that her plea for the early return of her boy be read into the air in full.

"My darling boy," she began, "please write to me. You were always kind to mother, so I know you won't refuse to write. We are going to Arizona or California soon, so don't wait to write. We have news that you must know. I've already spent two months on the coast searching for you. If you don't get this message, there is not much use to try longer. Oh, please write to your heart-broken mother."

No trace of the missing youth has yet been found.

Appeal by Radio Brings Son To Bedside of Dying Mother

TORONTO, Ont.—Radio has been instrumental in bringing a son to the bedside of a dying mother in this city. The mother, Mrs. Woods, had been crying out for days for the son. A daughter decided to send out an appeal by Radio, as she had no idea where he was. Down at Laurel, Md., H. G. Bedwell, owner of the Bedwell racing stable, picked up the message and, recognizing the name as that of one of his employees, then in Miami, Fla., sent a message to the lad that he was wanted home at once by his mother. The son, Frank, left Miami for Toronto immediately.

Eight Hours for Women at WCCO

Special Periods Three Mornings and Five Afternoons Are for Fairer Sex

MINNEAPOLIS.—Special periods three mornings and five afternoons each week are devoted to broadcasts exclusively for women by the Gold Medal station, Saint Paul-Minneapolis, WCCO.

The greatest response from women listeners is received from the talks by Betty Crocker, home economics specialist, who addresses her audience at 10:45 a. m. Central time on Mondays, Wednesdays and Fridays. Miss Crocker not only offers recipes and culinary suggestions, but gives health talks, suggestions on home management and entertaining.

The Gold Medal station is the home station of Betty Crocker, she having made her debut over the air from there last year. This year, however, her talks are going out at the same time from twelve of the larger broadcasting stations from the Atlantic to the Pacific coast.

Women's Organizations Have Hour

At two o'clock every afternoon, except Saturdays and Sundays, a special hour's program for women is sent out by WCCO. This period is occupied by speakers provided by the League of Women Voters, the Women's Republican club of Saint Paul, the Saint Paul League of Women Voters, Mrs. E. F. Barnett, in charge of the Fine Arts department of Saint Paul public library, the Garden club, the Council of Social Agencies, and various other organizations whose work is of particular interest to women.

At 3:05 p. m. every Tuesday, H. A. Bellows, director of WCCO, gives a talk, "The World of Books," which, though not exclusively for women, has a large number of feminine listeners, as has his talk at 2 p. m. Thursdays entitled "Among the Musicians."

Besides these regular features for women, the Minnesota Federation of Women's clubs is broadcasting a series of programs at 4:30 p. m. the second Thursday of each month.

"Things Talked About" to Be Discontinued for Month

WASHINGTON, D. C.—Mrs. Nina Reed, whose book reviews and discussions of "Things Talked About" from Station WRC, at Washington, will take a holiday from the microphone during the month of February. During that time, the talks on "Things Talked About" will be temporarily discontinued, but the book reviews will be presented on Friday afternoon as usual by prominent club women of the capital so the thousands of fans may still enjoy this feature.

Index to Women's Programs

Saturday, January 30

Eastern / Central / Mountain / Pacific
9:30 a. m. / 8:30 a. m. / 7:30 a. m. / 6:30 a. m.
WWJ (352.7m-850kc) Tonight's dinner.
11 / 10 / 9 / 8
WEAR (389.4m-770kc) Home service talk.
WHT (399.8m-750kc) Women's club.
12 n. / 11 / 10 / 9
WGN (302.8m-990kc) Household hints. Fashions.
1 p. m. / 12 n. / 11 / 10
KMA (252m-1190kc) Domestic science topics.
12:30 / 11:30 / 10:30 / 9:30
WGN (302.8m-990kc) Discussion of fashions.
12:35 / 11:35 / 10:35 / 9:35
KYW (535.4m-560kc) Table talk.
4 / 3 / 2 / 1
KJR (384.4m-780kc) Tonight's dinner.

Monday, February 1

Eastern / Central / Mountain / Pacific
9:30 a. m. / 8:30 a. m. / 7:30 a. m. / 6:30 a. m.
WWJ (352.7m-850kc) Tonight's dinner.
10 / 9 / 8 / 7
WJZ (454.3m-660kc) Women's hour.
WRC (468.5m-640kc) Women's hour.
10:45 / 9:45 / 8:45 / 7:45
WEAF (491.5m-610kc) Home service talk, Betty Crocker.
WFI (394.5m-760kc) Gold Medal talk, Betty Crocker.
11 / 10 / 9 / 8
WEAR (389.4m-770kc) Home service talk.
WHT (399.8m-750kc) Women's club.
WNYC (526m-570kc) Women's program.
11:15 / 10:15 / 9:15 / 8:15
WTIC (475.9m-630kc) Fashion talk.
11:30 / 10:30 / 9:30 / 8:30
KFAB (340.7m-880kc), An Important Foundation Stone in Health.
WTIC (475.9m-630kc) Housewife's forum.
11:45 / 10:45 / 9:45 / 8:45
WCCO (416.4m-720kc) Fry in Deep Fat, Betty Crocker.
WDAF (365.6m-820kc) Fry in Deep Fat, Betty Crocker.
12 / 11 / 10 / 9
WGN (302.8m-990kc) Household hints. Fashions.
WQJ (447.5m-670kc) Spices Used in Your Kitchen.
12:15 / 11:15 / 10:15 / 9:15
KYW (535.4m-560kc) Talk.
12:35 p. m. / 11:35 / 10:35 / 9:35
KYW (535.4m-560kc) Table talk.
2:30 / 1:30 p. m. / 12:30 p. m. / 11:30
KFNF (266m-1130kc) Mothers' hour.
WGY (379.5m-790kc) Cooking lesson; Household talks. From Rags to Rugs.
3 / 2 / 1 / 12 n.
WCCO (416.4m-720kc) Women's hour.
WSOE (246m-1220kc) Cooking chats.
4 / 3 / 2 / 1 p. m.
WIP (508.2m-590kc) Market hints for housewives.
WOC (483.6m-620kc) Home Management schedule, Aunt Jane.
WQJ (447.5m-990kc) Egg Dishes. Care of the Hair and Skin During Winter Months.
5 p. m. / 4 p. m. / 3 p. m. / 2 p. m.
KJR (384.4m-780kc) Home helps.
7:15 / 6:15 / 5:15 / 4:15
WKAR (285.5m-1000kc) Homemade Confections. Short Cuts in Cleaning and Washing Dishes.

Tuesday, February 2

Eastern / Central / Mountain / Pacific
9:30 a. m. / 8:30 a. m. / 7:30 a. m. / 6:30 a. m.
WWJ (352.7m-850kc) Tonight's dinner.
10 / 9 / 8 / 7
KDKA (309.1m-970kc) Domestic Science. Arts for the Housewife.
WIP (508.2m-590kc) Menu.
WJZ (454.3m-660kc) Women's hour.
WRC (468.5m-640kc) Women's hour.
10:45 / 9:45 / 8:45 / 7:45
WTAG (268m-1120kc) Talks to Mothers.
11 / 10 / 9 / 8
WEAR (389.4m-770kc) Home service talk.
WHT (399.8m-750kc) Women's club.
WMCA (340.7m-880kc) Home makers' hour.
12 n. / 11 / 10 / 9
WGN (302.8m-990kc) Household hints. Fashions.
WQJ (477.5m-670kc), Talks.
12:35 p. m. / 11:35 / 10:35 / 9:35
KYW (535.4m-560kc) Table talk.
1 / 12 noon / 11 / 10
KPO (428.3m-700kc) Domestic science talk.
2 / 1 p. m. / 12 n. / 11
WLIT (394.5m-760kc) Household helps and hints.
4 p. m. / 3 p. m. / 2 p. m. / 1 p. m.
WOC (483.6m-620kc) Home Management schedule.
WQJ (447.5m-670kc), Everyday Lunches. Suggestions for Abraham Lincoln Pary.
5 / 4 / 3 / 2
KJR (384.4m-780kc) Home helps.
5:30 / 4:30 / 3:30 / 2:30
KOA (322.4m-930kc) Housewives matinee.
6 / 5 / 4 / 3
KOA (322.4m-930kc) Culinary hints.
6:15 / 5:15 / 4:15 / 3:15
KOA (322.4m-930kc) Fashion review.
7 / 6 / 5 / 4
KFOA (454.3m-660kc) Today's recipe.
8:30 / 7:30 / 6:30 / 5:30
KGO (361.2m-830kc) As a Woman Thinketh.

Wednesday, February 3

Eastern / Central / Mountain / Pacific
9:30 a. m. / 8:30 a. m. / 7:30 a. m. / 6:30 a. m.
WWJ (352.7m-850kc) Tonight's dinner.
10 / 9 / 8 / 7
WIP (508.2m-590kc) Menu.
WJZ (454.3m-660kc) Women's hour.
WRC (468.5m-640kc) Women's hour.
10:45 / 9:45 / 8:45 / 7:45
WEAF (491.5m-610kc) Home service talk, Betty Crocker.
WFI (394.5m-760kc) Gold Medal Service talk, Betty Crocker.
WTAG (268m-1120kc) Talk to Housewives.
11 a. m. / 10 a. m. / 9 a. m. / 8 a.m.
WHT (399.8m-750kc) Women's club.
WNYC (526m-570kc) Women's program.
11:30 a. m. / 10:30 a. m. / 9:30 a. m. / 8:30 a. m.
KFAB (340.7m-880kc), Revelations of a Clothes Closet.
11:45 / 10:45 / 9:45 / 8:45
WCCO (416.4m-720kc) Do You Entertain Easily? Betty Crocker.
WDAF (365.6m-820kc) Do You Entertain Easily? Betty Crocker.
12 n. / 11 / 10 / 9
WGN (302.8m-990kc) Household hints.
WQJ (477.5m-670kc), Child Welfare.
12:30 p. m. / 11:30 / 10:30 / 9:30
WGN (302.8m990kc) Discussion of fashions.
12:35 / 11:35 / 10:35 / 9:35
KYW (535.4m-560kc) Table talk.
1 / 12 n. / 11 / 10
KPO (428.3m-700kc) Sewing talk.
3 / 2 / 1 / 12 n.
WCCO (416.4m-720kc) Woman's hour.
4 / 3 p. m. / 2 p. m. / 1 p. m.
WLW (422.3m-710kc) Cooking school.
WOC (483.6m-620kc) Home Management schedule, Aunt Jane.
WQJ (447.5m-990kc), Dishes on the Side. Fish That Is Not Fishy.
5 / 4 / 3 / 2
WMAQ (477.5m-670kc) Recipes.
7 / 6 / 5 / 4
KFOA (454.3m-660kc) Today's recipes.
KLX (508.2m-590kc) Women's hour.
KMA (252m-1190kc) Domestic science talk.
10:30 / 9:30 / 8:30 / 7:30
KOAC (280.2m-1070kc), Selection of Hats. Posture and Relaxation.

Thursday, February 4

Eastern / Central / Mountain / Pacific
9:30 a. m. / 8:30 a. m. / 7:30 a. m. / 6:30 a. m.
WWJ (352.7m-850kc) Tonight's dinner.
10 / 9 / 8 / 7
WJZ (454.3m-660kc) Women's hour.
WRC (468.5m-640kc) Women's hour.
11 / 10 / 9 / 8
WEAR (389.4m-770kc) Home service talk.
WHT (399.8m-750kc) Women's club.
11:10 / 10:10 / 9:10 / 8:10
WEAF (491.5m-610kc) Fish menus. Cookery.
12 n. / 11 / 10 / 9
WGN (302.8m-990kc) Household hints.
WQJ (447.5m-670kc), Parties for the Party Month.
12:30 p. m. / 11:30 / 10:30 / 9:30
WGN (302.8m-990kc) Discussion of fashions.
12:35 p. m. / 11:35 / 10:35 / 9:35
KYW (535.4m-560kc) Table talks.
1 / 12 n. / 11 / 10
KPO (428.3m-700kc) Domestic science.
2 / 1 p. m. / 12 n. / 11
WGY (379.5m-790kc), Keeping Little Children Well.
4 p. m. / 3 p. m. / 2 p. m. / 1 p. m.
WOC (483.6m-620kc) Home Management schedule. Aunt Jane.
WQJ (447.5m-670kc), Valentine Party Plans. Common Sense Care of the Feet. Lessons in Golf.
5 / 4 / 3 / 2
KFOA (454.3m-660kc) Home helps.
KSD (545.1m550kc) Women's hour.
5:30 p. m. / 4:30 p. m. / 3:30 p. m. / 2:30 p. m.
KOA (322.4m-930kc) Housewives' matinee.
6 / 5 / 4 / 3
KOA (322.4m-930kc) Culinary hints.
6:15 / 5:15 / 4:15 / 3:15
KOA (322.4m-930kc) Fashion review.
7 / 6 / 5 / 4
KFOA (454.3m-660kc) Today's recipe.
8:15 / 7:15 / 6:15 / 5:15
KSAC (340.7m-880kc), Saving Steps. Paint for our High School Girl.

Friday, February 5

Eastern / Central / Mountain / Pacific
9:30 a. m. / 8:30 a. m. / 7:30 a. m. / 6:30 a. m.
WWJ (352.7m-850kc) Tonight's dinner.
10 / 9 / 8 / 7
KDKA (309.1m-970kc) Domestic science and Arts for the Housewife.
WJZ (454.3m-640kc) Women's hour.
WRC (468.5m-640kc) Women's hour.
10:45 / 9:45 / 8:45 / 7:45
WTAG (268m-1120kc) Food hints.
11 / 10 / 9 / 8
WHT (399.8m-750kc) Women's club.
11:30 / 10:30 / 9:30 / 8:30
KFAB (340.7m-880kc), The New Homemaker.
WTIC (475.9m-630kc) Housewives' forum.
11:45 / 10:45 / 9:45 / 8:45
WCCO (416.4m-720kc), Gold Medal Luncheon Suggestions, Betty Crocker.
WDAF (365.6m-820kc) Same as (WCCO) above.
WEAR (389.4m-770kc) Home service talk.
12 n. / 11 / 10 / 9
WGN (302.8m-990kc) Household hints.
WQJ (447.5m-670kc) Sunday Dinner Menu.
12:30 p. m. / 11:30 / 10:30 / 9:30
WGN (302.8m-990kc) Discussion of fashions.
12:35 / 11:35 / 10:35 / 9:35
KYW (535.4m-560kc) Table talk.
1:45 / 12:45 / 11:45 / 10:45
WOAW (526m-570kc) Sunshine Sunday dinner menu.
3 / 2 p. m. / 1 p. m. / 12 n.
WCCO (416.4m-720kc) Women's hour.
4 / 3 / 2 / 1
WOC (483.6m-620kc) Home Management, Aunt Jane.
WQJ (447.5m-670kc), The Fourth Domestic Science Lesson. Valentine Party.
5 / 4 / 3 / 2
KJR (384.4m-780kc) Home helps.
KYW (535.4m-560kc) Woman's hour.
5:15 / 4:15 / 3:15 / 2:15
WMAQ (477.5m-670kc)
5:30 / 4:30 / 3:30 / 2:30
KOA (322.4m-930kc) Housewives matinee.
WFAA (475.9m-630kc) Women's hour.
6 / 5 / 4 / 3
KOA (322.4m-930kc) Culinary hints.
6:15 / 5:15 / 4:15 / 3:15
KOA (322.4m-930kc) Fashion review.

Ida Bailey Allen Aids Nation's Housewives

Ida Bailey Allen, above, "The Nation's Home-Builder," in the picture at the right is shown supervising the making of a choice tid-bit in the cozy kitchen in her offices. A "Set-Up" for a king, upper right, is one of the meals and table decorations broadcast over WMCA.

"We can live without music or books,
But civilized man cannot live without cooks."

By J. G. Forrest

IDA BAILEY ALLEN, known as the Nation's Home-Maker, was found in her sunshiny and electrically equipped kitchen testing a recipe for Scotch soda scones, which was sent in by a member of her National Home-Makers club, which she organized last June, and of which she is now president. Each of her members are on their toes submitting their recipes in hopes of winning the monthly prize she offers for the best recipe.

This kitchen, located on the fifteenth floor of an office building overlooking the Hudson river, is quite thrilling. Oh, so compact, and yet it contains the necessities so dear to a woman's heart, such as an electric ice making machine, electric stove, colored dishes, tan kitchen table and chairs, glistening pots and pans, with dainty curtains completing the picture.

The writer was taken into Mrs. Allen's office, a place where her personality is reflected. Cretonne drapes, flowers, a soft rug, a few pictures, books, a few comfortable chairs and a purring cat. Mrs. Allen, who is an attractive looking woman, has created a niche for herself in this busy and hustling world.

Mother Encouraged Her

When asked what prompted her to become a cooking expert, the mantle of years seemed to drop from her and once again she was a child. Pausing to think of those very happy days, she said, "My mother is to blame for my success. When I was small, it was my delight to dress as a grown-up and parade around in the kitchen, as mother said that eight years was not too young to learn to cook.

"She was everlastingly patient with me. Always encouraging and never fussy if I made a mess out of the kitchen—something I could do very easily. Then, the big event of the week was the night I was allowed to prepare the evening meal and could invite a girl friend for dinner. When I grew older, I preferred to invite the boys, as I was flattered by their praises. I became more absorbed in cooking problems and finally decided to take domestic science courses at college."

"What do you do with your spare time, if you have any?" asked the interviewer.

Has Little Spare Time

"I have so little spare time," she laughingly replied, "that I must crowd everything into a few hours. I am a real housekeeper and personally direct the education of my two children, Ruth Elizabeth, six years old, and Tom, twelve years old. The three of us are great pals and always together.

"At the present time we are studying French and have plenty of fun conversing in the French language. As I am very fond of singing, Tom, who plays the piano quite well, accompanies me while I practice. We go to the opera and take long walks together. After the children go to bed, I read and listen to my Radio."

We then discussed broadcasting, a subject that she was very much interested in. Mrs. Allen broadcasts every Tuesday morning at 11 o'clock from Station WMCA, and has an invisible audience of over 10,000 people. She has gained so many friends during the last six months, they come to her with their problems. And what problems! Who should discipline the children, the mother or father? How to make ends meet on the husband's small salary? A couple are considering getting a divorce. Are they right in doing so? Those are just a few of the many with which she is confronted each week.

Thus Radio finds another use in the home. The little social call had come to an end, as many recipes had to be tested, and the day is far too short for this food authority. Placing one of her cook books in my hand, I departed while she went back to the kitchen and her recipes.

HIGH SOPRANO NOTE SPLITS BIG WINDOW

MR. and Mrs. Joady Rhodes of Falls City, Oregon, were listening to a KFI program 1,000 miles from Los Angeles, when a large glass window twelve feet from the loud speaker split flawlessly from top to bottom, just as one of the well known Clark Sisters took a high "C." The window was set loosely in the frame, so the settling of the house could not account for the happening. Although the KFI engineers pointed out the fall of the walls of Jericho at the sound of trumpets as a similar case, Mr. Rhodes believes that some settlement should be made, nevertheless.

Get Gerhardt Cake Recipe for Asking

Thousands of Housewives Who Have Followed WTIC Instructions for Dessert Write in Praise

HARTFORD, Conn.—To those who write to Station WTIC, here, a recipe for making the famous Elena Gerhardt cake will be sent. Already thousands of housewives have made the delicious dessert, following instructions broadcast through the station, and letters are pouring in in its praise.

Housewives listening to WTIC each Tuesday and Friday noon from 11 a. m. to 12 m, Eastern time have heard a new voice recently, that of Miss Beatrice Bangs, a member of the staff. Miss Bangs has taken charge of the announcing and introducing of all of the participants in the Travelers station daytime programs, which include fashion talks, lessons in professional candy-making, and WTIC's Housewives' Forum.

"Betsy Ross" Brought Up To Date, Is KPO Feature

SAN FRANCISCO, Cal.—"Betsy Ross" brought up to date, is a regular feature broadcast by Station KPO, here. She appears before the microphone each Wednesday morning with a short sewing lesson. Her work is being followed by thousands of feminine Radio fans throughout northern California. Choosing of colors, materials, styles and other subjects are covered.

SHORT WAVES

By Marcella

"Will you please tell me where 'Little' Jack Little will be next week?" seems to be an awfully popular question these days. Last I heard of him, he traveled from the midwest over to New York for two weeks, thence to Buffalo. Then I lost him. However, watch "Headliners Today" in the advance program section and if Radio Digest can locate him, he'll be listed. He's listed this week.

* *

Yes ma'am, Mr. E. L. Tyson of WWJ is just as nice as his pleasing voice would indicate. Have I heard him? My stars, girl friend, that's my business to hear 'em all. Of course I've heard him. In fact I've been to a cabaret with him. Dances nicely, too. Well, he said he wasn't married, and I don't think he is. He's VERY bashful and unassuming, and if I'm not mistaken some brave girl will have to take him by the hand and lead him to the altar.

* *

Now one for the boy friends who WILL write for data. WEAF's "Winnie," otherwise known to listeners as Winifred T. Barr, is off the matrimonial list. Howard Hunter, of the engineering force of the American Telephone and Telegraph company, is the lucky man who bought the diamond.

* *

Emily wants to know if Al Carney, the popular organist at WHT, is married, how many children to his credit, how old he is, how tall and how thin. That's quite an order, but I found out. He is a smiling, jovial bachelor, weighing 195 pounds, but well able to do so. His height is less than six feet but not much. He's just 25 years old and lives all by himself in a cozy corner. He remarks that he is just getting his Hudson car all fixed for the spring. There's a wonderful opportunity for somebody.

* *

Much ado about this Hired Hand fellow of the Star-Telegram superstation, WBAP, at Fort Worth, Texas. Now one of my correspondents wants to know if he came from Houston, and what he does over the air. Well, the H. H. is an honest-to-goodness entertaining announcer with original wit. I know of none that can compare with this Texan. He does his turn as "substitute" announcer on Saturday, Sunday and Monday evenings. Speaking of his home city, have heard it unofficially that he escaped from the Indian reservation in Oklahoma, and that his wife is as jealous of him as he is of the rattlesnake skin hat band he wears on his sombrero. Sure, I like him.

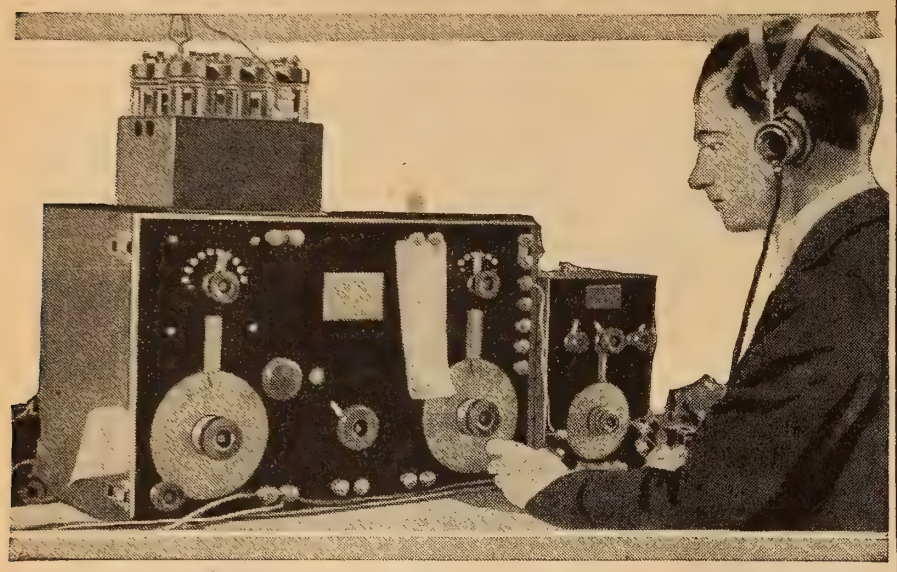
* *

Leslie Joy, be it here noted, has returned to the microphone of WEAF, where he is in charge of auditions, announces frequently, and is heard in frequent vocal solos. "Let Joy be unconfined," say I, for he certainly was drawn many scented letters written in purely feminine hands.

* *

What deep secret would you like to know about your favorite broadcast star? Drop me a note, girls, and I'll do by best to answer here. MARCELLA.

HE'S OFFICIAL WORLD TIMEKEEPER



Paul Sollenberger, an astronomer at the U. S. naval observatory in Washington, D. C., is known as the official timekeeper of the world. When the chronograph shows that the standard clock registers 11:55 a. m., he turns a switch, cutting in the transmitting clock which gives the signal for noon, thereby setting the clocks of the world.

GENE ROUSE LEAVES WOAW MICROPHONE

TWO AND ONE-HALF YEARS WITH OMAHA STATION

Announcer Who Made Expression, "Yes-Sah" Famous on Air, Will Not Forsake Radio Work

By Ned E. Williams

"Yes-sah!"

Listeners of WOAW, the station operated by the Woodmen of the World Insurance company at Omaha, Nebr., will miss this familiar little expression, which has become a by-word in the vocabularies of hundreds of Radio fans through its use at the close of each musical number by Gene Rouse, known as "G. R." to his Radio audience.

That is, unless his successor chooses to adopt it, and Gene swears he is going to copyright the expression, if it is possible.

Because he says he realizes that WOAW could offer him no further advancement in the field of Radio than he has received at its hands, Rouse has resigned his position as chief announcer, which he has held since the inauguration of the station in April, 1923.

No Definite Plans for Future

He has announced no definite plans for his future, except that he is determined to not forsake Radio work and that he aspires to a post in a superpower station.

Seven years on the stage and eight years in newspaper work equipped "G. R." well for his place as Radio announcer, since nearly all authorities agree that theatrical and journalistic fields are best for the development of Radio workers.

Gene was born in Boulder, Colo., and was educated in the public schools of Denver, where his parents still reside. His first taste of fame followed his offer to bind himself as a slave for a year to anyone who would produce "The Scoop," a playlet written by him.

The production was taken in hand by a New York concern, which refused his offer of a year's servitude, however, stating that the playlet would stand upon its own merits. Which it did.

Rouse Began Career at WNAL

Rouse began his career as announcer in 1922 at WNAL, the pioneer Radio station of Omaha, which was established and operated by the Omaha Daily News. It was abandoned a year later, soon after "G. R." went to WOAW.

He landed in third place in the 1925 Radio Digest contest for the most popular announcer, has visited all Radio shows within a 500-mile radius of Omaha and last year spent seven weeks in a 3,000-mile tour of Radio stations in several states.

"I'll be on the air again soon; I have not left it," is the assurance of "G. R." to thousands of his admirers who know him as "the announcer with the heavenly voice," a description coined by Henry Field, now owner of a Radio station at Shenandoah, Iowa.

Paraguay Wants Station

WASHINGTON.—Erection of a broadcasting station has been proposed in Paraguay, according to a report made public by the department of commerce. The southern republic is displaying great interest in Radio, and the ministry of war and marine has decided to purchase the necessary equipment for a station.

WIRES NOT NEEDED TO PICK UP CHIMES

MEMPHIS, Tenn.—Curiosity recently caused the staff of WMC, station of The Commercial Appeal, Memphis, "Down in Dixie," to place a microphone outside the studio window while memorial chimes were being played several hundred yards away.

Response was almost immediate, for messages of congratulation started pouring in, stating that the reception was excellent. And that, too, in spite of the fact that there were many noises from the street four stories below the microphone.

The simple test was made after several letters had been received by WMC stating that the chimes had been dimly heard during regular programs when the studio was supposedly soundproof.

Results of the test seem so good that WMC is seriously considering making the chimes a feature of the regular broadcasting.

WKAR, LANSING, MICH.

(Continued from page 5)

much of an advantage it gained. Between halves of the game he holds his listeners with a rapid story of the crowds, the bands and other details.

"Jimmie" also goes on the air whenever State college has a home football game. For those events he moves his booth and apparatus to the outdoor stadium press box where he has a clear view of the field.

Dance programs by student orchestras are broadcast Monday, Tuesday, Wednesday and Thursday nights from 8 to 9 o'clock. Other musical programs, including vocal and instrumental numbers, are also presented during the school year.

Two separate broadcasting schools make up the Radio school terms. The first, opening November 2, continues until December 18 and the other is from January 11 to April 2. A new feature added this year is the broadcasting each Monday evening of "Farmerkin" bedtime stories by Mrs. Dora Stockman, editor, and member of the state board of agriculture. Mrs. Stockman's program is given each Monday evening from 7 to 7:15 o'clock, Eastern time. Her stories are especially designed for farm children.

At the same time on the other four broadcasting nights of the week, members of the State college faculty present nature study lectures. From 8 to 9 o'clock Friday evenings an educational program is presented.

The regular Radio school lectures for farmers, held Monday, Tuesday, Wednesday, Thursday and Friday evenings, start at 7:15 o'clock, Eastern time, and continue until 8 o'clock. Five college departments offer instruction in the course which is for a period of twelve weeks.

Enrollment slips are mailed out to listeners and at the end of twelve weeks those "students" are asked to write papers on what they have learned.

EAST LANSING, Mich.—Radio Station WKAR, Michigan State college, has compiled its first formal Radio program made up in magazine form. The new program gives in detail the farm Radio courses which will be broadcast from January 11 to April 2 and which will cover a great variety of subjects. The courses listed are in home economics, animal husbandry, poultry and veterinary medicine, horticulture and gardening, dairy husbandry and farm crops.

AN EVENING AT HOME WITH THE LISTENER IN
IN CENTRAL TIME

Call	Location	Met.	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday
AT9	Fort Bragg, N. C..	435	Silent	5:00- 6:00	Silent	Silent	Silent	7:00- 8:55	Silent
CFCN	Calgary, Alta.....	434.5	11:00- 1:00	Silent	Silent	Silent	Silent	9:00-10:00	Silent
CJCA	Edmonton, Can.....	516.9	10:00-12:00	8:30- 9:30	8:30-10:30	8:30- 9:00	7:00- 9:00	10:00-12:00	9:00-12:00
CKAC	Montreal, Que.....	410.7	6:00-10:30	3:30- 4:30	Silent	6:00-10:30	Silent	6:00-10:30	Silent
CKY	Winnipeg, Man.....	384.4	8:00-11:00	7:00-10:00	8:00-12:00	Silent	7:30-11:00	8:30-11:00	Silent
CNRO	Ottawa, Ont.....	434.5	7:30-12:30	Silent	Silent	Silent	7:30-12:30	Silent	Silent
CYL	Mexico City, Mex..	460	Silent	9:24-10:54	Silent	9:24-10:54	Silent	Silent	9:24-10:54
CZE	Mexico City, Mex.	350	8:24- 9:24	Silent	8:24- 9:24	8:24- 9:24	8:24- 9:24	8:24- 9:24	8:24- 9:24
KDKA	Pittsburgh, Pa.....	309.1	5:30- 8:55	3:00- 7:45	5:30- 8:55	5:30-11:35	5:30- 8:55	5:30-11:00	5:30- 8:55
KFAB	Lincoln, Nebr.....	340.7	5:30- 9:30	4:00- 5:00	5:30-10:30	5:30-10:30	5:30-10:30	Silent	5:30-10:30
KFDM	Beaumont, Texas...	315.6	Silent	8:00- 9:00	Silent	8:00-10:30	Silent	Silent	8:00-10:30
KFI	Los Angeles, Calif.	467	8:00- 5:00	6:00- 1:00	8:00- 1:00	8:00- 1:00	8:00- 1:00	8:00- 1:00	8:00- 1:00
KFJF	Okla. City, Okla..	261	6:30-10:45	2:30-11:45	6:30-10:45	6:30- 7:30	6:30-12:00	6:30-10:45	6:30-10:45
KFKX	Hastings, Nebr.....	288.3	5:30- 6:30	Silent	9:00-11:00	5:30- 6:30	9:00-11:00	7:00- 8:00	9:00-11:00
KFMQ	Fayetteville, Ark...	299.8	Silent	Silent	7:30- 8:30	8:00- 9:00	Silent	8:00- 9:00	Silent
KFMX	Northfield, Minn..	336.9	Silent	7:00- 8:00	Silent	9:30-10:00	9:00-10:00	Silent	10:00-11:00
KFNF	Shenandoah, Ia.....	261	7:00- 9:00	6:30- 8:30	7:00- 9:00	7:00- 9:00	7:00- 9:00	7:00- 9:00	7:00- 9:00
KFOA	Seattle, Wash.....	454.3	10:30- 1:30	Silent	8:45-12:00	10:30-12:00	8:45-12:00	Silent	8:45- 1:30
KFRU	Columbia, Mo.....	499.7	Silent	7:30- 8:30	6:15- 7:15	6:15- 7:15	9:00-11:00	6:15- 7:15	12:00- 2:00
KFUO	St. Louis, Mo.....	545.1	Silent	4:00-10:15	8:00- 9:00	Silent	9:15-10:15	Silent	Silent
KFVE	Univ'ty City, Mo.	240	9:15-10:15	Silent	9:15-10:15	9:15-10:15	9:15-10:15	Silent	9:15-10:15
KFWB	Hollywood, Calif....	252	9:45- 2:00	11:00- 1:00	9:00- 2:00	9:00- 2:00	9:00- 2:00	9:00- 2:00	9:00- 2:00
KGO	Oakland, Calif.....	361.2	10:30- 2:00	5:30-11:30	8:00-12:00	8:00- 1:00	8:00- 9:00	10:00- 1:00	8:00- 9:00
KGW	Portland, Ore.....	491.5	8:00- 2:00	9:25-12:00	8:00-11:00	8:00- 2:00	8:00- 1:00	8:00-10:00	11:00-12:30
KHJ	Los Angeles, Calif.	405.2	8:00- 1:00	8:30-12:00	Silent	8:30- 1:00	8:00- 1:00	8:00- 3:00	8:00- 1:00
KIAF	Sihtipok, Minn.....	421	Silent	4:00- 5:00	9:00-10:00	Silent	9:00-10:00	Silent	9:00-10:00
KJR	Seattle, Wash.....	384.4	10:30-12:00	9:15-11:00	9:00- 1:00	10:30-12:00	9:00-12:00	10:30- 2:00	10:30- 1:00
KLDS	Independence, Mo.	440.9	8:00- 9:00	6:30-10:00	Silent	8:00-11:59	Silent	8:00- 9:00	Silent
KLX	Oakland, Calif.....	508.2	9:00- 9:30	Silent	6:00- 9:30	9:00- 1:30	6:00- 9:30	9:00- 9:30	6:00- 9:30
KNX	Hollywood, Calif...	336.9	8:15- 4:00	4:00-12:30	8:15- 2:00	8:15- 2:00	8:15- 1:00	8:15- 1:00	8:15- 2:00
KOA	Denver, Colo.....	322.4	10:00-12:00	4:00- 9:45	7:30-11:30	7:30- 9:30	7:30- 1:00	7:30- 8:30	7:30-10:00
KOB	State College, N.M.	348.6	Silent	Silent	8:30- 9:30	Silent	Silent	Silent	Silent
KOIL	Council Bluffs, Ia.	278	6:15- 3:00	7:00-12:00	6:30- 2:00	6:15-12:00	6:15- 7:15	6:15-12:00	6:15-12:00
KPO	San Francisco, Cal.	428.3	8:35- 2:00	7:00-12:00	8:40- 1:00	8:15- 1:00	8:15- 1:00	8:15- 1:00	8:30- 1:00
KPRC	Houston, Texas...	296.9	7:30-12:00	7:30-10:30	7:30-10:00	7:30- 9:30	7:30-12:00	7:30-12:00	Silent
KSD	St. Louis, Mo.....	545.1	7:00-10:00	6:15- 9:15	7:00-12:00	6:55-10:00	7:00- 9:00	6:55-10:00	7:00-10:00
KSL	Salt Lake City, Ut.	299.8	9:00-12:00	10:00-12:00	9:00-12:00	10:00-12:00	9:00-12:00	9:00-12:00	10:00-12:00
KTAB	Oakland, Calif.....	240	Silent	9:45- 1:00	10:00-12:00	10:00-12:00	Silent	11:00- 2:00	10:00-12:00
KTBI	Los Angeles, Calif.	293.9	Silent	9:15-11:30	Silent	10:00-11:00	Silent	10:00-11:00	Silent
KTCL	Seattle, Wash.....	305.9	Silent	8:10-11:10	9:00-10:00	10:00-11:00	Silent	Silent	9:00- 2:00
KTHS	Hot Springs, Ark..	374.8	9:00-11:00	9:00-11:30	9:00-11:00	9:00-11:00	9:00-11:00	9:00-11:00	9:00-11:00
KTW	Seattle, Wash.....	455	Silent	9:00-11:30	Silent	Silent	Silent	Silent	Silent
KWKH	Shreveport, La.....	261	9:00-12:00	Silent	10:00- 3:00	9:00-12:00	Silent	8:00- 9:00	Silent
KWSC	Pullman, Wash.....	348.6	Silent	Silent	9:30-11:00	Silent	9:30-11:00	Silent	9:30-11:00
KYW	Chicago, Ill.....	535.4	7:00-10:00	4:00- 8:00	Silent	7:00-12:30	7:00- 1:30	7:00- 1:30	7:00- 1:30
PWX	Havana, Cuba.....	400	7:30-10:00	Silent	Silent	Silent	7:30-10:00	Silent	Silent
WAHG	Richmond, N. Y....	315.6	11:00- 1:00	Silent	6:30- 1:00	Silent	6:30-11:00	Silent	7:00-10:00
WAMD	Minneapolis, Minn	244	6:15-12:00	7:00-10:00	7:00-12:00	8:45- 9:45	7:00-12:00	6:15-12:00	7:05-12:00
WBAL	Baltimore, Md....	246	Silent	5:30- 6:30	5:45- 9:00	6:30- 7:30	Silent	5:45- 6:45	4:30- 5:00
WBAP	Fort Worth, Tex....	475.9	6:00-10:45	5:00-12:00	6:00-12:00	6:00-10:45	Silent	6:00-10:45	6:00-10:45
WBAR	Sisiht, Wis.....	408	Silent	10:00-11:00	9:00-10:00	Silent	8:00- 9:00	7:30- 8:30	Silent
WBBM	Chicago, Ill.....	226	8:00- 1:00	8:00- 2:00	6:00- 7:00	8:00-12:00	8:00- 2:00	8:00-12:00	8:00-10:00
WBBR	Staten Island, N.Y.	272.6	7:00- 9:00	8:00- 9:15	7:00- 8:00	Silent	8:00-12:00	7:00- 8:00	Silent
WBCN	Chicago, Ill.....	266	9:00- 1:00	5:00-12:00	Silent	9:00- 1:00	Silent	9:00- 2:00	9:00- 1:00
WBZ	Springfield, Mass..	333.1	5:30- 9:00	7:00- 8:00	5:00- 9:15	5:00- 9:15	5:00- 9:15	5:00- 9:15	5:00- 9:15
WCAE	Pittsburgh, Pa.....	461.3	7:30-8:30	5:30- 7:20	7:30-11:00	7:00-10:00	7:30- 9:00	8:00-10:00	7:00- 8:30
WCAP	Washington, D. C..	468.5	Silent	3:00- 9:15	5:00-10:00	Silent	6:00-10:00	Silent	6:00-11:00
WCAU	Philadelphia, Pa....	278	Silent	4:20- 9:00	7:00-10:30	6:30-10:30	5:45-11:00	5:30-10:00	6:30-10:30
WCBD	Zion, Ill.....	344.6	Silent	8:00-10:30	Silent	8:00-10:30	Silent	8:00-10:30	Silent
WCCO	Minn-St. P., Minn.	416.4	6:15-11:05	4:10- 8:15	6:30-10:00	6:15- 9:30	7:00-12:30	7:00-11:05	6:15-11:05
WCX	Detroit, Mich.....	516.9	5:00- 6:00	Silent	5:00- 8:00	5:00- 1:00	5:00- 8:00	5:00- 8:00	5:00-10:00
WDAF	Kansas City, Mo....	365.8	6:00- 1:00	4:00- 4:45	6:00- 1:00	6:00- 1:00	6:00- 1:00	6:00- 1:00	6:00- 1:00
WEAF	New York, N. Y....	491.5	5:00-11:00	1:00- 9:15	5:00-11:00	5:00-11:00	5:00-11:00	5:00-11:00	5:00-11:00
WEAO	Columbus, Ohio.....	293.9	Silent	Silent	Silent	Silent	7:00- 8:00	7:00- 8:00	Silent
WEAR	Cleveland, Ohio.....	389.4	6:00-12:00	6:00- 9:15	7:00-11:00	6:00- 9:00	6:00- 7:00	6:00-10:00	6:00-10:00
WEBH	Chicago, Ill.....	370.2	7:00- 2:00	5:00- 9:00	Silent	7:00-12:30	7:00-12:30	7:00-12:30	7:00-12:30
WEBJ	New York, N. Y.....	272.6	Silent	Silent	Silent	7:00- 9:00	7:00- 9:00	Silent	6:00- 8:00
WEEI	Boston, Mass.....	348.6	Silent	6:20- 9:20	7:30- 9:00	7:00-10:00	7:00-10:00	7:00-10:00	7:00- 8:00
WENR	Chicago, Ill.....	266	6:00- 2:00	2:00-11:30	Silent	6:00-10:00	6:00- 2:00	6:00-10:00	6:00- 2:00
WFAA	Dallas, Tex.....	475.9	6:30-11:00	6:30-11:00	6:30- 9:30	6:30-12:00	Silent	6:30-12:00	6:30- 9:30
WFBH	New York, N. Y....	272.6	10:30- 1:00	4:00- 7:00	10:30- 1:00	10:30- 1:00	10:30- 1:00	10:30- 1:00	10:30- 1:00
WFI	Philadelphia, Pa...	394.5	7:00- 8:30	6:30- 7:30	Silent	7:00-11:00	Silent	7:00-10:00	Silent
WGBS	New York, N. Y....	315.6	5:00-10:30	7:00-8:00	6:00- 6:15	5:00-10:30	5:00- 7:30	5:00- 7:45	5:30-12:00
WGBU	Fulford, Fla.....	278	5:30-12:00	8:30-11:00	5:30-12:00	5:30-12:00	5:30-12:00	5:30-12:00	7:00-10:00
WGCP	New York, N. Y.	252	Silent	7:00-10:15	7:00-10:00	Silent	7:00-10:15	Silent	5:00- 1:00
WGES	Oak Park, Ill.....	250	8:00- 1:00	5:00- 7:00	5:00- 7:00	5:00- 1:00	5:00- 1:00	5:00- 1:00	6:30- 1:00
WGHB	Clearwater, Fla....	268	6:30- 1:00	Silent	6:30- 1:00	6:30- 1:00	6:30- 1:00	6:30- 1:00	8:00-10:00
WGHP	Detroit, Mich.....	270	Silent	Silent	6:00- 8:00	6:00- 8:00	6:00- 8:00	8:00-10:00	6:30-11:00
WGN	Chicago, Ill.....	302.8	6:30-11:00	2:00- 9:15	6:30- 7:00	6:30-11:00	6:30-11:00	6:30-11:00	7:45-12:00
WGR	Buffalo, N. Y.....	319	Silent	6:45- 9:15	7:30-12:00	7:00-10:00	7:00-12:00	7:00-10:00	6:15- 9:30
WGY	Schenectady, N. Y.	379.5	8:00-11:00	5:30- 9:00	5:30- 7:30	6:00-10:00	Silent	5:45-10:30	
WHAD	Milwaukee, Wis.....	275	Silent	3:15- 4:15	6:15-10:00	6:15- 7:00	6:15-12:30	6:15- 7:00	6:15-10:00
WHAR	Atlantic City, N. J.	275	6:30- 9:30	6:50-12:15	6:30- 9:00	6:50-12:15	Silent	6:30-10:00	6:30-12:15
WHAS	Louisville, Ky.....	399.8	7:30- 9:00	4:00- 5:00	Silent	7:30- 9:30	7:30- 9:00	7:30- 9:00	7:30- 9:00
WHAZ	Troy, N. Y.....	379.5	Silent	Silent	8:00-11:00	Silent	Silent	Silent	Silent
WHB	Kansas City, Mo....	365.6	Silent	8:00- 1:30	7:00- 8:00	7:00-10:00	7:00- 8:00	7:00-10:00	7:00- 9:00
WHN	New York, N. Y....	361.2	6:30- 9:00	4:00- 4:30	7:00-11:00	8:30- 9:00	9:00-10:30	7:00- 9:00	6:30-11:30
WHO	Des Moines, Ia.....	526	Silent	7:30- 8:30	7:30-12:00	7:30-12:00	6:30-11:30	7:30-12:00	7:30-12:00
WHT	Chicago, Ill.....	399.8	7:00- 1:00	12:00-10:30	Silent	7:00- 1:00	7:00- 1:00	7:00- 1:00	7:00- 1:00
WIBO	Chicago, Ill.....	226	6:00- 3:00	6:00-12:00	Silent	6:00- 2:00	6:00-12:00	6:00- 2:00	6:00- 2:00
WIP	Philadelphia, Pa...	508.2	5:05-11:05	3:00- 4:00	5:05- 7:00	5:05-10:30	5:05- 7:00	5:05-11:00	5:05- 7:00
WJAR	Providence, R. I....	305.9	Silent	6:20- 9:15	7:00- 9:00	6:30- 9:00	6:30-10:00	7:00-10:00	7:00-11:00
WJAS	Pittsburgh, Pa.....	275.3	6:00-11:00	Silent	6:00-11:00	6:00-11:00	6:00- 1:00	6:00-11:00	6:00-11:00
WJAZ	Chicago, Ill.....	322.4	Silent	Silent	Silent	Silent	Silent	10:00-12:00	Silent
WJJD	Mooseheart, Ill.....	370.2	6:00-12:00	7:45-11:00	Silent	6:00- 1:00	6:00-11:00	6:00- 1:00	6:00- 1:00
WJR	Pontiac, Mich.....	516.9	6:00-11:30	7:30- 9:00	6:00-11:30	6:00- 9:00	6:00-10:30	6:00-11:00	6:00- 8:00
WJY	New York, N. Y....	405.2	Silent	7:15- 8:15	Silent	7:30-10:15	Silent	7:30- 9:00	7:45- 8:45
WJZ	New York, N. Y....	454.3	6:00-10:30	7:00-10:00	7:15- 8:15	7:10-10:30	8:30-10:30	7:30-10:30	7:15- 9:45
WKAQ	San Juan, P. R.....	340.7	Silent	Silent	Silent	6:00- 8:00	6:00- 8:00	6:00- 8:00	6:00- 8:00
WKAR	Lansing, Mich.....	285.5	11:30- 1:00	Silent	6:15- 8:00	6:15- 7:00	6:15- 8:00	6:15- 7:00	6:15- 8:00
WKRC	Cincinnati, O.....	422.3	10:00-11:00	6:45-11:00	6:00-12:00	10:00-12:00	8:00-10:45	8:00-10:00	Silent
WLIB	Chicago, Ill.....	302.8	7:00-12:00	7:00- 8:00	Silent	7:00- 1:00	7:00- 1:00	7:00- 1:00	7:00- 1:00
WLIT	Philadelphia, Pa...	394.5	6:30- 7:30	1:00- 2:00	6:30-10:45	6:30- 6:50	6:30-10:00	6:30- 7:30	6:30-10:00
WLS	Chicago, Ill.....	344.6	7:45- 1:00	6:30- 7:55	Silent	7:00- 8:00	7:00-11:30	7:00- 8:55	7:00-11:30
WLW	Cincinnati, O.....	422.3	7:00- 9:00	7:30- 9:30	7:00- 8:00	6:30-10:00	7:00-11:00	8:00-12:00	Silent
WLWL	New York, N. Y....	288.3	Silent	6:00- 7:00	7:00- 9:00	Silent	Silent	7:00- 9:00	Silent
WMAK	Lockport, N. Y.....	285.5	6:30- 9:00	6:30- 7:30	7:00- 9:00	Silent	6:30- 9:00	Silent	8:00- 9:00
WMAQ	Chicago, Ill.....	447.5	8:00-10:00	Silent	Silent	8:00-10:15	8:00- 9:45	7:00-11:00	8:00-10:15
WMBB	Chicago, Ill.....	250	7:00-11:00	3:00-11:00	Silent	7:00-11:00	7:00-11:00	7:00-11:00	7:00-11:00
WMBF	Miami Beach, Fla..	384.4	6:00-11:00	6:00-11:00	6:00-11:00	6:00-11:00	6:00-11:00	6:00-11:00	6:00-11:00
WMC	Memphis, Tenn.....	499.7	7:30- 9:30	Silent	7:30- 9:30	7:30-12:00	Silent	7:30- 9:30	7:30-12:00
WMCA	New York, N. Y.	340.7	8:00-12:00	6:00- 9:00	8:00-11:00	7:00-11:00	8:00-11:00	8:00-11:00	7:00-10:45
WNAC	Boston, Mass.....	280.2	7:00- 9:00	2:00- 8:30	7:00- 9:00	7:00- 9:00	7:00- 9:00	7:00- 9:00	7:00- 9:00
WNYC	New York, N. Y....	526	6:00- 9:30	8:00-10:00	6:35- 9:30	6:10- 9:30	6:30-9:30	6:35- 9:30	6:30- 9:30
WOAI	San Antonio, Texas	394.5	Silent	7:45- 8:45	Silent	8:30-10:30	8:30- 9:30	Silent	8:30- 9:30
WOAN	Lawrenceb'g, Tenn.	282.8	Silent	9:00-10:00	9:00-10:00	9:00-10:00	9:00-10:00	9:00-10:00	9:00-10:00
WOAW	Omaha, Nebr.....	526	6:00-12:00	9:00-10:00	6:00-11:00	6:00- 1:00	Silent	6:00-10:00	6:00-10:00
WOAX	Trenton, N. J.....	240	Silent	8:30-10:30	Silent	Silent	Silent	Silent	Silent
WOC	Davenport, Ia.....	483.6	6:30-12:00	6:30-11:45	Silent	6:30-11:15	6:30-10:00	6:30-12:00	6:30- 9:45
WOK	Homewood, Ill.....	217.3	10:00- 1:00	6:30- 8:30	Silent	10:00- 1:00	10:00- 1:00	10:00- 1:00	10:00- 1:00
WOO	Philadelphia, Pa...	508.2	6:30- 7:30	5:00- 6:00	6:30-11:00	6:30- 7:30	6:30-11:00	6:30- 7:30	6:30-11:00
WOQ	Kansas City, Mo.	278	8:00-11:00	7:00- 7:45	Silent	8:00- 9:00	Silent	7:00- 9:00	Silent
WOR	Newark, N. J.....	405.2	5:15- 7:30	Silent	5:15- 8:30	5:15- 6:30	5:15-11:00	5:15- 6:30	5:15- 6:30
WORD	Batavia, Ill.....	275	8:30-10:30	6:45- 8:00	Silent	8:30-10:00	8:30-10:00	8:30-10:00	8:30-10:30
WOS	Jefferson City, Mo.	440.9	Silent	8:00- 9:00	8:00-10:00	Silent	8:00-10:00	Silent	8:00-10:00
WPG	Atlantic City, N. J	299.8	6:00-11:00	3:15-11:00	6:00-11:00	7:00-11:00	Silent	7:00-11:00	6:00-11:00
WQJ	Chicago, Ill.....	447.5	7:00- 3:00	7:00-10:00	Silent	7:00- 2:00	7:00- 2:00	7:00- 2:00	7:00- 2:00
WRC	Washington, D. C..	468.5	5:00-12:00	Silent	Silent	5:50-12:00	5:00- 6:00	6:00-10:00	Silent
WREO	Lansing, Mich.....	285.5	5:00-11:00	6:00- 7:00	5:00- 6:00	5:00- 8:15	5:00- 6:00	5:00-11:30	Silent
WRW	Tarrytown, N. Y....	273	8:00-10:30	7:00-10:30	8:00-10:30	8:00-10:30	8:00-10:30	8:00-10:30	8:00-10:30
WSAI	Cincinnati, O.....	325.9	7:30- 9:15	7:45-10:15	10:00-12:00	6:30-10:30	10:00-12:00	7:00-10:00	Silent
WSB	Atlanta, Ga.....	428.3	8:00-12:00	7:30- 9:15	8:00-12:00	8:00-12:00	10:45-12:00	8:00-12:00	8:00-12:00
WSM	Nashville, Tenn.....	282.8	7:15-11:00	7:30- 8:30	7:00-11:00	Silent	7:00-11:00	Silent	Silent
WSMB	New Orleans, La....	319	8:30-10:30	Silent	8:30-11:30	Silent	8:30-10:30	8:30-11:00	Silent
WSUI	Iowa City, Ia.....	483.6	Silent	9:15- 9:45	7:30- 8:30	Silent	7:45- 8:45	Silent	Silent
WTAG	Worcester, Mass...	268	Silent	6:00- 8:15	7:00- 8:00	7:00-10:00	7:00- 8:00	7:00-10:00	7:00- 8:00
WTAM	Cleveland, O.....	389.4	5:00-11:00	Silent	5:00-11:00	5:00- 6:00	5:00-11:00	5:00- 6:00	5:00- 6:00
WTIC	Hartford, Conn.....	475.9	5:30-11:00	4:00- 9:30	5:30-11:00	Silent	5:30- 9:00	5:30- 6:30	5:30-11:00
WWJ	Detroit, Mich.....	352.7	Silent	5:30- 9:15	5:00- 8:00	5:00- 8:00	5:00- 9:00	5:00-11:30	5:00- 9:00

ADVANCE PROGRAMS FOR THE WEEK

Saturday, January 30

Headliners Today

Eastern	Central	Mountain	Pacific
8 p. m.	7 p. m.	6 p. m.	5 p. m.

WCAP (468.5m-640kc) Bureau of Budget meeting, addresses: President Coolidge, General Lord.

8:15 7:15 6:15 5:15

WTIC (475.9m-630kc), Choral clubs.

8:25 7:25 6:25 5:25

WJZ (454.3m-660kc), WGY (379.5m-790kc) Philharmonic society concert.

9 8 7 6

WIP (508.2m-990kc) Donath-Mount trio.

WSM (282.8m-1060kc) Barn dance program.

9:45 8:45 7:45 6:45

WGCP (252m-1190kc) June Lee, songs.

10 9 8 7

WGCP (252m-1190kc) Yama Yama boys.

11:30 10:30 9:30 8:30

KPRC (296.9m-1010kc) Feature entertainer.

11:45 10:45 9:45 8:45

WSB (428.3m-700kc) Red Head club.

12:30 a. m. 11:30 10:30 9:30

KTHS (374.8m-800kc) Special test organ program.

2 1 a. m. 12 m. 11

KFI (468.5m-640kc) Midnight frolic.

Saturday, silent night for: CFAC, CFCA, CNRA, CNRC, CNRE, CNRM, CNRR, CNRT, CNRV, CNRW, KFDM, KFEQ, KFKX, KFKU, KFMX, KFUO, KFXF, KLX, KMA, KOAC, KOB, KQP, KSAC, KSO, KTAB, KWSC, WCX, WDOD, WEAO, WEBJ, WEBW, WEEI, WGCP, WGST, WHAD, WHAZ, WGR, WHN, WHO, WIP, WJAR, WJAZ, WKAQ, WKAR, WLIT, WLWL, WOAI, WOC, WOS, WRVA, WTAG, WTIC, WWJ.

Eastern Time Stations

6KW, Tuinucu, Cuba (388m-890kc), 11:45-12 noon, Tuinucu Radio orchestra.

CKAC, Montreal, Can. (410.7m-730kc), 7 p. m., advice to kiddies; 7:20, Windsor hotel dinner concert; 10-11, talks by Senator R. Dandurand.

CKNC, Toronto, Can. (356.9m-840kc), 4 p. m., CKNC Chamber orchestra, Charles Bodley, director; Sydney Walsh, tenor; Noranna K. Trounce, reader; 8-10, Charles Bodley and his dance orchestra; Paramount vocal quartet; Bob Harvey, singing choruses for the orchestra.

KDKA, Pittsburgh, Pa. (309.1m-970kc), 7:15-8 a. m., exercises, O. Shannon; 5:45 p. m., Daddy Winkum, 6:30, dinner concert, T. J. Vastine, conductor; 8, farm program; 8:30, concert, T. J. Vastine, conductor; Harry Wirtz, bass.

PWX, Havana, Cuba (400m-750kc), 8:30 p. m., violin players, V. Valve, director.

WAFD, Port Huron, Mich. (275m-1090kc), 10 p. m.-12, midnight, Harrington hotel dance music; 12, Ether Buster club.

WBBR, New York, N. Y. (273m-1100kc), 8 p. m., Prof. Charles Rohner, violinist; 8:10, Fred Twaroschk, tenor; 8:20, "Health and Household"; 8:30, Fred Twaroschk, tenor; 8:40, Bible discussion; 8:50, Prof. Charles Rohner, violinist.

WBZ, Springfield, Mass. (333.1m-900kc), 6:30 p. m., Little Symphony orchestra; 6:45, Hotel Lenox ensemble; 7:30, Rene Bagenais, organist.

WCAE, Pittsburgh, Pa. (461.3m-650kc), 12:30 p. m., news; 3, music, Nixon cafe; 6:30, dinner concert, William Penn hotel; 7:30, address; 8, Youngstown artists.

WCAP, Washington, D. C. (468.5m-640kc), 6:45-7:45 a. m., Tower health exercises; 8-9:15 p. m., semi-annual meeting, Bureau of the Budget; address, President Coolidge, General H. M. Lord; U. S. Army band, Capt. Wm. Stannard, leader.

WEAF, New York, N. Y. (491.5m-610kc), 4-5 p. m., dance program; 6-12, dinner music, Hotel Waldorf-Astoria; Rose Gorman and his orchestra; Leslie Arnold, baritone; Paul Jelenek, pianist; Hughie Barrett and his orchestra; Vincent Lopez and his orchestra.

WEAR, Cleveland, Ohio (389.4m-770kc), 11 a. m., home service talk; 7 p. m., Hotel Statler concert orchestra.

WEEI, Boston, Mass. (348.6m-860kc), 6:45 a. m., tower health exercises; 7:45, morning watch, Estey organ studio; 8 p. m., Grey Gull hour, Ben Litchfield and Joe Sargent.

WFI, Philadelphia, Pa. (394.5m-760kc), 1 p. m., Tea room ensemble; 3, Josh Saddler's Plantation Serenaders; 3, Ralph Leibowitz, songs; 6:30, Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra; 8, concert orchestra and male quartet of Kiwanis club, Pottstown; 9:15, Metropolitan Life Insurance company's annual banquet; 11, test program to Canada; 11:16, test program to Northern U. S.; 11:31, test program to southern states; 11:46, test program to Mexico and Cuba.

WGBS, New York, N. Y. (315.6m-950kc), 10:10-10:40 a. m., Cousin Eleanor; 10:40, Baker trio; 10:50, fashion talk, Mme. Hall-Deane; 1:30, scripture reading; 1:35, Muriel Anderson, contralto; 2, Charles Reed, tenor; 3-4, Ben Goldman and his Boy Scout entertainers; 6, Uncle Gee Bee; 6:30, Bill Hines orchestra; 7, International Film Arts guild; 7:10, Bill Hines' orchestra; 7:30, Twin Oaks orchestra; 8:30, Rene Landauer, talk; 8:45, Dana D. Baer, musical saw soloist; 8:50, Hilda Ramon, mezzo-soprano; 9, William MacGowan, bass-baritone; Miss Ramon, duettist; 9:10, Angelina Arcela, concert pianist; 9:30, Parks male quartet; 10, Arrowhead inn dance orchestra.

WGBU, Fulford-by-the-Sea, Fla. (278m-1080kc), 1 p. m., automobile race, 300-mile, Carl G. Fischer cup race.

WGCP, New York, N. Y. (252m-1190kc), 3 p. m., orchestra; 3:15, studio program; 4, orchestra; 8:30, orchestra; 9, Hilda Deighton, entertainer; 9:30, Ukulele Bob McDonald; 9:45, June Lee, songster; 10, Yama Yama Boys; 10:15, Strickland's orchestra.

WGR, Buffalo, N. Y. (319m-940kc), 2:30 p. m., WGR's afternoon program; 9:15, jointly with WEAF, convention of the Metropolitan Life Insurance company.

WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., dinner program, Hotel Onondaga; 8:25, Philharmonic society student symphony series, Willem Mengelberg, conductor; 10:30, dance program, Hotel Syracuse.

WHAR, Atlantic City, N. J. (275m-1090kc), 2 p. m., Seaside hotel trio; 7:30, lecture period; 8, Seaside hotel trio.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:45 a. m., setting-up exercises; 7, setting-up exercises; 10:30, reducing exercises; 1 p. m., organ recital; 3, Dal Ruch and his Arcadians; 6:05, Benjamin Franklin hotel concert orchestra; 7, Uncle Wip's bedtime stories; violin solos, Nicholas DeCollibus; 8, sports corner, Dr. Francois D'Eliscu; 8:15, operatic program, direction Helen Wells Abbott; 9, Donath-Mount trio; 10:30, Benjamin Franklin El Patio dance orchestra; 11:05, organ recital, Germantown theater.

WLIT, Philadelphia, Pa. (394.5m-760kc), 12:02 p. m., daily almanac; Stanley theater organ recital; Arcadia cafe concert orchestra; 2, Arcadia cafe concert orchestra; 4:30, Ed. Matthews dance orchestra; 7:30, Benjamin Franklin hotel concert orchestra.

WMAK, Buffalo, N. Y. (266m-1130kc), 7:15 p. m., news items; 7:30-8:30, musical program; 8:30-9, musical program, Wolff's Furniture House, Inc.; 9-9:30, musical program, The Beaver Products company; 9:30-10:30, musical, Sunrise Point Development company; 11:15-11:30, international test musical program.

WMBF, Miami Beach, Fla. (384.4m-780kc), 7-9 p. m., Fleetwood Radio orchestra; 10-1 a. m., Gene Fosdick and his orchestra; Fleetwood Radio orchestra.

WNAC, Boston, Mass. (280.2m-1070kc), 6 p. m., Smillars, Clyde McArdle, director; 6:30, Shepard Colonial dinner dance; 7:30, "Maine, Its Advantages and Possibilities;" 8:15, music; 11:15, Copley Plaza orchestra.

WNYC, New York, N. Y. (526m-570kc), 7 p. m., song recitals; 7:35, Seville trio; 8-10, symphonic concert, Metropolitan Museum of Art, David Mannes, conductor; 10, song recital; 10:15, lecture.

WOO, Philadelphia, Pa. (508.2m-590kc), 11 a. m., organ recital; 12:02 p. m., Golden's crystal tea room orchestra; 4:45, organ recital; 7:30, A. Candelori's French room orchestra.

WPG, Atlanta City, N. J. (299.8m-1000kc), 1:30 p. m., Hotel Morton trio; 6:30, news flashes; 6:45, Arthur Scott Brook, organist; 7, Hotel Ambassador dinner music; 8:15, weekly sports lesson, Jimmy Carmack; 8:30, dinner concert, Speed-Wagon serenaders and Gold Standard ensemble; miscellaneous bulletins; 10-12 noon, special dance program, WREO, Speed-Wagon serenaders, Carl Hall Dewey, director.

WTAG, Worcester, Mass. (268m-1120kc), 10:30 a. m., musical selections; 12:05 p. m., tea dansant music, WTAG; 5:15, "The Twinkle Twinkle Story Teller."

WTAM, Cleveland, Ohio (389.4m-770kc), 12:15-1:15 p. m., Golden Pheasant orchestra; 6-7, Carl Rupp and his Hotel Hollenden orchestra; 8-8:45, Guy Lombardo and his Royal Canadians; 8:45-12, Ev Jones and Coo Coo club.

Madame Ernestine Schumann-Heink is perhaps one of the best known singers in the concert world. For over thirty years her mellow voice has been heard in the concert halls of this country and Europe. She will sing before her largest audience Sunday, when she appears to Radio fans through the WEAF chain during the Atwater Kent hour program.

Swarthmore college musical clubs; 10, test program; 10:10, Nick Nichols' dance orchestra; 11:15, test program.

WRC, Washington, D. C. (468.5m-640kc), 12 noon, organ recital, Homer L. Kitt studios; 1 p. m., Hamilton hotel orchestra, Daniel Chwalow, director; 6, Lee House trio, Sam Udrin, director; 7, Irving Boernstein's Hotel Washington orchestra; 8, Bible talk; 8:30, concert, Philharmonic society, WJZ, WGY; 10:30, "Crandall's Saturday Nighters"; 12-1 a. m., Spanish Village orchestra.

WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., **WTIC, Hartford, Conn. (475.9m-630kc),** 6:30 p. m., Skinny and his gang; 6:50, dinner concert; 8, Sunday school period; 8:15, joint recital, University club and Hartford Choral club; 10:20, dance music; 11:15, Torgan trio.

WWJ, Detroit, Mich. (352.7m-850kc), 9:30 a. m., "Tonight's Dinner," talk, woman's editor; 12:05 p. m., Jules Klein's Hotel Statler orchestra; 3, Detroit News orchestra.

Central Time Stations

CKY, Winnipeg, Can. (384.4m-780kc) 8 p. m., book reviews, Prof. W. T. Allison; 9, concert, J. A. Banfield; 11, Everready hour, Earle C. Hill's Capitol theater orchestra.

KFAB, Lincoln, Nebr. (340.7m-880kc), 8:05 p. m., "Club Members Take Advantage of Short Courses," E. A. Burnett; "Know Why You Pay Taxes," J. O. Rankin; 8:30-9:30, Schmoller and Mueller musicale.

KFH, Wichita, Kans. (268m-1120kc), 9-10 p. m., J. O. Adams music company; 12:15-1:15 a. m., Harry Hunts Imperial orchestra.

KFMQ, Fayetteville, Ark. (299.8m-1000kc), 7:30 p. m., basketball game, University of Arkansas vs. Centenary college.

KFNF, Shenandoah, Ia. (266m-1130kc), 7 p. m., Griswold H. S. orchestra, Dorothy DeWitt, director; 11, old-time fiddling.

KFVE, University City, Mo. (240m-1250kc), 9:15 p. m., "Amusement Review," Romaine Fielding; woman's hour; dramatic readings, Romaine Fielding, motion picture star and director; harmonica duo; dance numbers; Gene Witacker's orchestra; unique organ moments, Dave George.

KLDS, Independence, Mo. (440.9m-680kc), 8 p. m., request program, Mr. and Mrs. E. N. Brinkman; Dr. Harry Cooper, organist; 10:15, test.

KMA, Shenandoah, Iowa (252m-1190kc), 9-9:45 a. m., music; current topics, G. H. Van Houten; 11:30-12:30, noonday rural program; domestic science talk, June B. Case; popular musical numbers; seed talk, Earl E. May; 6-7, Pollyana stories, Mrs. Dwight Nickols; music, 9-10, organ recital, William Howie.

KMMJ, Clay Center, Neb. (229m-1310kc), 1:30 p. m., factory and office program; 8, Snoddy's orchestra and local talent.

KPRC, Houston, Tex. (296.9m-1010kc), 12 m., Jack Willrich's orchestra, featuring Virginia Willrich, piano accordionist; Ted Kleinfelter, arranger and soloist; 7:30 p. m., universal Bible class, Rev. M. M. Wolf; 8, pipe organ recital, Mrs. Vivian G. Buchanan; 8:30, Frank Tilton, blind boy pianist; 10:30-10:45, international test, Frank Tilton, feature entertainer; 11, Capitol theater orchestra, Arthur Lange, director.

KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., orchestral program and stage specialties, Grand Central theater; 8:30, St. Louis Symphony orchestra concert.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:25-9:30 p. m., bedside story; 9:30-10, New Arlington hotel orchestra; 11:30-11:45, Lawson Reid, organist.

KYW, Chicago, Ill. (536m-560kc), 6:30-7 a. m., exercises, Paul A. Leonhardt; 7:30, morning family worship; 11:35, table talk, Mrs. Anna J. Peterson; 12:05 p. m., noonday concert, Commonwealth Edison company; 1, luncheon concert, Congress hotel; 2:30-4, "Saturday Frolic;" 6, dinner music, KDKA; 7:05, bedtime story, Walter Wilson; 7:30, "Home-Lovers" program; 11, Congress classic; 11:30-1, Congress carnival, Coon-Sanders orchestra.

WAMD, Minneapolis, Minn. (244m-1230kc), 12 noon, Jack Leeman, banjoist; Roy Nowack, clarinetist; Chuck Johnson, ukulele soloist; Maurine Heft, pianist; Carl Schmid, tenor; 6:15 p. m., George Osborn's Hotel Radisson orchestra; 7:05, talk; 7:15, Bob Morken's orchestra; Harmony Twins, Ruth Hokans, contralto; 11, George Osborn's Hotel Radisson Skyrockets; 12, Jack Malerick, organist.

WBAP, Fort Worth, Tex. (475.9m-630kc), 7:30 p. m., Sunday school lesson; 9:30, Sunflower Girl.

WBBM, Chicago, Ill. (226m-1330kc), 4-6 p. m., Harry and Sandy; Valentino inn; Jack Penewell; 8-9:30, musical comedy; 9:30-11, Sandy and Harry; Moulin Rouge orchestra; Sy Berg; Fred Jacobson; 11-2 a. m., Sunset male quartet; George Thurn; Two Jays; Lew Russel; Romo Vincent Moulin Rouge orchestra.

WBCN, Chicago, Ill. (266m-1130kc), 10-10:30 a. m., shopping talk, Penny Wise; 3-5 p. m., tea time matinee; Clarence Jones, pianist and song writer; Cecile and Johanna Arends, violinist and pianist; Marie Wright, soprano; 10-11:15, jazz jamboree, Midway Dancing Gardens orchestra; Cameron and Fett, "The Harmony Wizards," harmony duo; Albert Blaha, concertinist; Johnny Special, harmonica acrobat; Elizabeth Emmett Malone, soprano; Jack Parker, tenor, 11:15-12 midnight, King Static's court, Frank H. MacDonald, "King Static," Mary Williams, "Queen Olive," Harry A. Zook, Jr., "Prime Minister"; "Big Boy" Yagle, "Court Jester."

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 12:30 p. m., concert, Emmet Long's Golden Pheasant orchestra; 2:30, afternoon concert; 6:15, dinner concert, Dick Long's Nankin cafe orchestra; 8, fireside philosophies, Rev. Roy L. Smith, pastor; 8:15, musical program; 10:15, international test program; 11, dance program, Dick Long's Nankin cafe orchestra.

WCX, Detroit, Mich. (516.9m-580kc), 4 p. m., news and markets; 6, dinner concert, Book-Cadillac hotel.

WDAF, Kansas City, Mo. (365.6m-820kc), 3:30-4:30 p. m., The Star's string trio; address, "Sanitary Engineering," N. T. Veatch, Jr.; address, Roger W. Babson; organ music, Pantages theater; music, The Trianon ensemble; 11:45-1 a. m., Plantation players, Hotel Muehlebach; Billy Adair's orchestra; Eddie Kuhn's orchestra.

WEBH, Chicago, Ill. (370.2m-810kc), 11:30-12 noon, woman's half hour; 3-4 p. m., Oriole orchestra; 7-8, Oriole orchestra; Sunday school lesson; 9-10, Oriole orchestra; James Murray, tenor; Marie Kelly, reader; 11-12 midnight, Oriole orchestra; Marie Kelly, reader; 1-2 a. m., Frank Greif, tenor; Wayne Meyers, reader; James Murray, tenor.

WENR, Chicago, Ill. (266m-1130kc), 6-7 p. m., daily dinner concert, Rauland-Lyric trio; vocal solos, Eric Sagerquist; Russell Hendrickson, cellist; 8-10, Frank Westphal and his All-American Pioneers; Art Bilquist, popular songs; Walter Peterson and Al Tweed, harmonica and guitar duets; Vic Fredericks; John Papa, concertina; 12-2, All-American Pioneers; Rita McFawn and Mary Bieber, vocal deuts; All Tweed and Walter Peterson; Art Bilquist.

WFAA, Dallas, Tex. (475.9m-630kc), 12:30-1 p. m., astronomical talk, Dr. A. D. Laugenour; music; 3:30-4, Tom Fowler, violinist; 4:30-5, Cloyd Griswold, songs and uke solos; 6:30-7:30, Don Bestor's orchestra; 8:30-9:30, varied program, Dallas Advertising league, Alfonso Johnson, president; 11-12, Jack Gardner's orchestra.

WGES, Oak Park, Ill. (250m-1200kc), 5-7 p. m., basso, tenor, organ; pianist, organ, orchestra; 11-1 a. m., Coyne Serenaders orchestra; Remington Welsh, organist; Eddie Adams, the girl with the uke.

WGN, Chicago, Ill. (302.8m-990kc), 10-11 a. m., public service period; 11-11:30, household hints; 12:40-2:30 p. m., luncheon concert, Drake concert ensemble and Edward Benedict, organist; 3:30-4:15, tea time music, Marshall Field's tea room orchestra; 4:30-5, organ recital, Edward Benedict; 5:30-5:57, Skeezix time; 6:30-7, dinner concert, Drake concert ensemble and Edward Benedict, organist; 8-9, music hour; 9-10, popular program.

WGST, Atlanta, Ga. (270m-1110kc), 10:30-10:45 p. m., songs, glee club of Georgia Tech.

WHAD, Milwaukee, Wis. (275m-1090kc), 11 a. m., pianolog, Andy Hertel; story for children, Faye McBeath; Margaret Cunningham, pianist; Willard Kaleibe, tenor banjo soloist.

WHAS, Louisville, Ky. (399.8m-750kc), 1-2 p. m., Benson trio; 3-3:30, organ recital, Mrs. Myrtle Fulks Zahn; 4-5, concert, Harry S. Currie's Music Box; readings; 7:30-9, concert, Barney Rapp's orchestra.

WHT, Chicago, Ill. (399.8m-750kc), 10 a. m., Jean Sargent's program; juvenile program and studio features; 11, Mike Rizzo, boy violinist; 12, organ recital, Al Carney; 6 p. m., classical program; Al Carney, organist; Grayling's string trio; W. A. Dyckman, basso; Leola Aikman, soprano; Hugh Aspinwall, tenor; (238m-1260kc), 7:45-9:15, musical features; Alamo orchestra; (399.8m-750kc), 9:30, Chez Pierre orchestra; Fred Jacobsen, humorist; Paul Small, popular songs. John Clark, baritone; 9:50, Kitchen Klenzer entertainers; 10:10, Cecil Ward, Hawaiian team; 10:30, Gervin Little symphony; 11:30, Oscar Heather, tenor, 12, "Your Hour League," Pat Barnes and Al Carney.

WIBO, Chicago, Ill. (226m-1330kc), 10-11 a. m., shoppers bureau; 2-4 p. m., popular shut-in program, 6-8, dinner concert, WIBO trio; Ruth Buhl Flick, reader; North Shore Line quartet.

WJJD, Mooseheart, Ill. (370.2m-820kc), 6-7 p. m., instrumental hour, Howard L. Peterson, organist; the Palmer symphonic players; Palmer House Victorians,

Atwater Kent Program, January 31, over WEAF and Chain*

Mme. Ernestine Schumann-Heink
Florence Hardeman, violinist

I.

a. "But the Lord is Mindful of His Own" from St. Paul....Mendelssohn-Bartholdy
b. Stille Nacht, Heilige Nacht....Franz Gruber

Mme. Ernestine Schumann-Heink

II.

a. Ave Maria....Schubert-Wilhemj
b. Tambourine Chinois....Fritz Kreisler
c. Old Refrain....Fritz Kreisler

Florence Hardeman

III.

a. The Rosary....Ethelbert Nevin
b. By the Waters of Minnetonka....Lieurance
(with violin obbligato)
c. Danny Boy....Weatherly
d. Erlking....Franz Schubert

Mme. Ernestine Schumann-Heink

IV.

a. Trees....Oscar Rasbach
b. Spinnerliedchen....16th Century
c. Agnus Dei....George Bizet

Mme. Ernestine Schumann-Heink (with violin obbligato)

*The WEAF chain for the Atwater Kent hour (9:15 p. m. Eastern, 8:15 p. m. Central time) includes WEAF, WFI, WGR, WCAE, WCAP, WJAR, WTAG, WGN, KSD, WCCO, WOC, WSAI, WEAR, WEEI, WWJ.

AUTOMOBILE RACES ON AIR AT WGBU

Saturday, January 30

9:15-9:30, special hour; 10-11, feature hour, Garod studio, Palmer House; Palmer House Victorians; studio, program; 12-1 a. m., settin' up hour, Garod studio, Palmer House Victorians; Jack Nelson.

WKAF, Milwaukee, Wis. (261m-1150kc), 8:30-10 p. m., Trixie Ann Troy and her Royal Hawaiians; Hi Coleman's orchestra.

WLIB, Chicago, Ill. (302.8m-990kc), 7-8 p. m., popular dinner concert; 11-12, popular program; 12-1, dance program.

WLS, Chicago, Ill. (344.6m-870kc), 9 a. m., home question box, Ellen Rose Dickey; 12:25, Junior R. F. D. roundup program; talk, "Next Season's Honey Crop," J. J. Davis; talk, "With Our Boy Trappers," Johnnie Muskrat; 7, lullaby time; 7:15, dance and revue program; 12, Ford and Glenn, organists.

WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., organ concert, Johanna Grosse; 7:30, children's safety talk; 7:40, Seckatary Hawkins; 8, Air City banjo boys; 8:30, Radio play, "The Valiant"; 9, dance program, Castle farm.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Hotel LaSalle orchestra; 8, Frederick Daw, Russell Pratt; 8:30, "New Zealand," Capt. Kilroy Harris; 9, Chicago theater revue; 9:55, U. of C. chimes.

WMBB, Chicago, Ill. (250m-1200kc), 7-8 p. m., Trianon Duo, Ralph F. Elliott, tenor; Ethel Story, violinist; Leola Barber, soprano; semi-classical program; 9-11, Trianon orchestra, Dell Lampe, conductor; Woodlawn theater orchestra, Armin F. Hand, conductor; Tracy & Duncan, harmony duo; Lionel Carter, tenor; Clarice Taylor, whistler; Zither quartet, popular program.

WMC, Memphis, Tenn. (499.7m-600kc), 7:15 p. m., bedtime stories, Peter Pan and Tinker Bell; 8:30, organ recital, Harry O. Nichols.

WOAW, Omaha, Nebr. (526m-670kc), 6 p. m., orchestra; 7, after-dinner hour; 9, de luxe program; 10:30, Frank Hodek and his Nightingale orchestra; 11, Arthur Hays and his organ jubilee.

WOC, Davenport, Iowa (483.6m-620kc), 5:45-6 p. m., chimes; 8-10, sandman program; Mrs. A. P. Griggs, Fay Paarmon and Erwin Swindell; Harry Maher, tenor; Henry Maher, tenor; Henry P. Borgen, baritone; 11-12, LeClaire hotel orchestra; Peter MacArthur, baritone.

WORD, Batavia, Ill. (275m-1090kc), 8-10 p. m., Webster hotel concert and orchestra program.

WOI, Ames, Iowa (270m-1110kc), 12:30 p. m., college chimes; 12:45, Prof. W. H. Stevenson, discussion relating to soils; 10:15-10:30, international testing, Ames quartet.

WOK, Chicago, Ill. (217.3m-1380kc), 4:30-7 p. m., Capitol theater organ; artists; 10-1 a. m., Town club orchestra; Capitol theater complete musical program; WOK mixed quartet; Herman Sinaiko, violinist; Harriet Lee, contralto; George Allen, tenor; Bob Mokrejs, pianist; Bill Hay, bass.

WOQ, Kansas City, Mo. (278m-1080kc), 8-9 p. m., musical program; 10-11, musical healing service.

WQJ, Chicago, Ill. (447.5m-670kc), 11-12 m., F. E. Ormsby, reader; 3-4 p. m., kaffee klatsch, Jerry Sullivan, Rose Vanderbosch, Hal Lansing; 7-8, Rainbo Gardens orchestra; Katherine McDevitt, Margaret McDevitt; Ralph Keim, Anne Keim; 10-1 a. m., Rainbo Skylarks; Jerry Sullivan, Rose Vanderbosch, Hal Lansing, Everett George Opie, Bert Davis; Clarence Theders, tenor; Oxford girls; Rita McFawn, Mary Bieber; George Thurn, kazoo soloist; Brundage and Kraemer; Thelma Pefferle, soprano.

WRR, Dallas, Tex. (246m-1220kc), 12-1 p. m., noonday music; 5:15, bedtime story; 6-7, dinner hour, Jack Gardner's orchestra; 8-9, novelty program, H. A. Magnuson, director; 12-1, organ recital, Melba theater, George Perfect and assisting musicians.

WSAI, Cincinnati, Ohio (325.9m-920kc), 7 p. m., Charles Dornberger's Victor Recording orchestra, Hotel Sinton; 7:30, children's stories, Mrs. Ethel Knapp Behrman; 7:50, Radio chime concert, Robert Badgley; 8, national and international events, Allison F. Stanley; 8:15, the Bicycle Playing Card sextet; 11, Charles Dornberger's Victor Recording orchestra, Hotel Sinton.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., Atlanta Atwater Kent hour.

WSM, Nashville, Tenn. (282.8m-1060kc), 6:30 p. m., alto theater musicale; 9:30, overseas listeners' program; 10:30, Scheuerman's Colorado orchestra.

Pacific Time Stations

KFI, Los Angeles, Calif. (468.5m-640kc), 5:30-6 p. m., matinee dance; 6, nightly doings; 6:15, KFI's Seeing California; 6:30, vest pocket program; 6:45, Radiotorial period; 7-8, Owen Fallon and his Californians; 8-9, varied instrumental and vocal program; 9-10, program, Packard dealers of California, KFI and KPO; 10-11, Packard Radio club; 11-3 a. m., KFI midnight frolic, Don Meaney, master of ceremonies.

KFOA, Seattle, Wash. (454.3m-660kc), 4-5:15 p. m., afternoon at home program, The Times; today's recipe; 5:15-5:30, around the towne; 9:30-11, Rhodes department store, presenting Jackie Souder's Club Lido Serenaders.

KFON, Long Beach, Calif. (233m-1290kc), 4-4:30 p. m., news bulletins; 6-6:30, organ, Brayton's theater; 6:30-7, KFON gossip and amusement information; 7:30-8, Long Beach municipal band; 9-11, feature program.

KFWB, Hollywood, Calif. (252m-1190kc), 7:45 p. m., microphone brevities; 8-9 p. m., Warner Brothers syncopators, Esther White, blues singer; Charlie Wellman, tenor; 9-10 p. m., Bill Hatch's dance orchestra Ray Kellogg, violinist; Sol Hoopii's Hawaiians; 10-11 Warner Brothers frolic, direction Charlie Wellman.

KGO, Oakland, Calif. (361.2m-830kc), 7:15-7:30 a. m., health training exercises, Hugh Barrett Dobbs; 7:45, pep class, Hugh Barrett Dobbs; 8:15-8:30, exercises, Hugh Barrett Dobbs; 8:30, "Daily Strength"; 4-5:30 p. m., concert orchestra, Hotel St. Francis, Vinton La Ferrera, conductor; 8:30-8:45, international Radio week; program, KGO Little symphony orchestra; 9-10, concert, KGO Little symphony orchestra, Carl Rhodehamel conducting, assisted by Arthur S. Garbett, musical interpretative writer; Gwynn Jones, tenor; 10-12, dance music program, Hotel St. Francis; Girvin-Deuel's California Collegians.

KGW, Portland, Ore. (491.5m-610kc), 10:30 a. m., the town crier; music; news items and shopping guide; 12:30-1:30 p. m., concert, Oregon Radio Trades association; 6-7, dinner concert, Olds Wortman & King company; 9-12, dance music, Multnomah hotel; intermission piano solos, Curt Kremer.

KHJ, Los Angeles, Calif. (405.2m-740kc), 6-6:30 p. m., Leighton's Arcade cafeteria orchestra, Jack Cronshaw, leader; 6:30-7:30, history story, Prof. Hertzog; Dollie Wright, Henrietta Poland, George Ezra Crane, Nona Clapp and Uncle John; 9-11, program, Motor Transit company, Uncle Remus, Monrovia trio.

KMTR, Hollywood, Calif. (238m-1260kc), 6-7 p. m., Starr Piano company studio; 8-10, the Turner orchestra, Loren Powell, directing.

KNX, Hollywood, Calif. (336.9m-890kc), 5-5:30 p. m., Sunny Jim's story; 5:55, Town Tattler; 6:15, travel talk, W. F. Alder; 6:30-7, Atwater Kent concert orchestra; 7, talks on insect life, H. W. McSpadden; 7:15, church announcements; 7:30-10, KNX feature program; 10-11, Ambassador hotel dance orchestra; 11-2 a. m., Filmland Frolickers.

KPO, San Francisco, Calif. (428.3m-700kc), 7-7:30, 8 a. m., daily dozen; 10:30, "Ye Town Cryer"; 12, reading of the scripture; 1-2 p. m., Rudy Seiger's Fairmont hotel orchestra; 2:30-3:30, program, Lincoln Batchelder, featuring piano solos; 3:30, Palace hotel concert orchestra, Cyrus Trobbe, director; 6:30, "Ye Towne Cryer"; 6:35-7:30, Waldemar Lind and the States restaurant orchestra; 9-10, program, KPO and KFI, simultaneously; 10-12, Fairmont hotel dance orchestra.

KPSN, Pasadena, Calif. (315.6m-950kc), 8-9 p. m., Star-News concert; 9-10, dance orchestra, Maryland hotel.

KTAB, Oakland, Calif. (240m-1250kc), 9-9:30 a. m., prayer service, Rev. E. L. Spaulding; 12-1 p. m., luncheon concert program.

CNRV, CNRW, KFAB, KFAU, KFKX, KFKU, KFMQ, KFOA, KFVE, KFWA, KLX, KMA, KMTR, KOAC, KOB, KSAC, KSO, KWSC, PWX, WAHG, WCAD, WCX, WDAF, WEAO, WEBJ, WEBW, WGES, WGHB, WGST, WHAD, WHAS, WHAZ, WJAZ, WJJD, WKAF, WKAQ, WKAR, WLIT, WMAQ, WMC, WNYC, WOI, WRC, WRVA, WSB, WTAM, WTIC.

Eastern Time Stations

CKAC, Montreal, Can. (410.7m-730kc), 2:45 p. m., Capitol theater hour; Capitol theater symphony, Jerry Shea, director; specialties, members of symphony; vocal selections; Buddy Payne, organist.

WAFD, Port Huron, Mich. (275m-1090kc), 10-11:30 a. m., services; 6-7 p. m., organ recital.

WBAL, Baltimore, Md. (246m-1220kc), 6:30-7:30 p. m., WBAL concert orchestra.

WBBR, New York, N. Y. (273m-1100kc), 10 a. m., violin duets, Prof. Charles Rohner, Carl Park and Martin Hartman; 10:15, Sunday school lesson, "Jesus Feeds the 5,000," S. M. Van Sipma; 10:35, violin duets; 10:45, I. B. S. A. choral singers; 11, Bible lecture, "Does God Care?" F. W. Franz; 11:30, I. B. S. A. choral singers; 11:40, violin duets; 11:50, I. B. S. A. choral singers; 2 p. m., Watchtower orchestra; 2:30, Fred Twaroschk, tenor; 2:45, Watchtower orchestra; 3, Bible lecture, "All the Earth Shall Be Filled with the Glory of Jehovah," F. W. Franz; 3:30, Fred Twaroschk, tenor; 3:40, Watchtower orchestra; 9, Watchtower brass quartet; 9:15, Bible questions and answers; 10, Watchtower brass quartet.

WBZ, Springfield, Mass. (333.1m-900kc), 10:45 a. m., Community church; "Dynamic Personalities in English Life Today," Mary Agnes Hamilton; 7, Copley Plaza orchestra; 8, Holy Cross program; Yestboro Choral club; Lorin Gilmore, xylophonist; Valmore Dufualt, pianist; saxophone sextet; Thomas Laffin, tenor.

WCAE, Pittsburgh, Pa. (461.3m-650kc), 3:45 p. m., Dr. S. P. Cadman, WEAF; 6:30, dinner concert, William Penn hotel; 7:20, Capitol theater gang, WEAF; 9:15, Atwater Kent, WEAF.

WCAP, Washington, D. C. (468.5m-640kc), 11 a. m., services; 4 p. m., services; 7:20-9:15, Capitol theater program, WEAF; 9:15-10:15, Atwater Kent hour, WEAF.

WCAU, Philadelphia, Pa. (278m-1080kc), 5 p. m., recital; 5:15, undenominational church services; 5:25, "Flight of Thought Quicker Than Birds in Air," Rev. John W. Stockwell; 5:35, recital; 5:45, "A Little Invitation Wrapped in Gold Leaf," Rev. John W. Stockwell; 6:45, Clarence Seaman and his Hotel Pennsylvania orchestra; 7:45, Cathay concert orchestra; 8:30, Bonwit Teller Light Opera company; 9, "Potash and Perlmutter," in discussions of the day.

WCX, Detroit, Mich. (516.9m-580kc), 10:30 a. m., services, Central Methodist Episcopal church.

WEAF, New York, N. Y. (491.5m-610kc), 2-3 p. m., Greater New York Federation of Churches, Rev. Herbert F. Laflame; 3-4, Young People's conference; "Clown or King," Dr. Daniel A. Poling; 4-5:30, Y. M. C. A. address, Dr. S. Parkes Cadman, WEAF, WEEI, WTAG, WCAE, WSAI; 7:20-9:15, Capitol theater family, WEAF, WEEI, WCAP, WJAR, WTAG, WWJ, WCAE; 9:15-10:15, Atwater Kent Radio hour, Madame Ernestine Schumann-Heink, contralto; Florence Hardman, violinist, WEAF, WEEI, WCAP, WJAR, WGR, WCAE, WSAI, WWJ, WOC, WCCO, WGN, WEAR, KSD, WTAG, WFI.

WEAR, Cleveland, Ohio (389.4m-770kc), 3:30 p. m., Goodyear concert orchestra; 7, Stillman theater orchestra; 7:45, fireside hour; 8:30, Vincent Percy, organ recital; 9:15, Atwater Kent hour.

WEEI, Boston, Mass. (348.6m-860kc), 10:50 a. m., morning service, Old South church; 3 p. m., Chamber of Commerce organ recital; 4, Dr. S. Parkes Cadman; 7:20, Major Edward Bowes and his Capitol family; 9:15, Atwater Kent Radio hour.

WFI, Philadelphia, Pa. (394.5m-760kc), 4:30 p. m., "Men for the Times," Dr. Chas. R. Erdman; 9:15, Atwater Kent concert, WEAF; Mme. Ernestine Schuman Heink, Florence Hardman, violinist.

WGBS, New York, N. Y. (315.6m-950kc), 3:30 p. m., Crystal Palace orchestra.

WGCP, New York, N. Y. (252m-1190kc), 7 p. m., pianist; 7:15, Ralph Heish, violinist; 7:45, Wm. C. Ihlefeld, baritone; 8:15, Bernard Share, violinist, Harold Retskin, pianist; 8:45, health talk; 9, Strickland's orchestra.

WGR, Buffalo, N. Y. (319m-940kc), 10:45 a. m., Westminster Presbyterian church service; 7:45, Central Presbyterian church service; 9:15, jointly with WEAF, Atwater Kent program, featuring Madam Ernestine Schumann-Heink, contralto; Florence Hardman, violinist.

WGY, Schenectady, N. Y. (379.5m-790kc), 10:45 a. m., First Methodist Episcopal church services, Dr. Philip L. Frick, pastor; 12:30, Symphony society concert, Walter Hampden theater, Josiah Zuro, conductor; 3, musical program, WFBL; 5, organ recital, Dr. Frank Sill Rogers, assisted by T. Roy Keefer, violinist; 7:30, First Methodist Episcopal church services; 9, studio program, WJZ; 10, Godfrey Ludlow, violinist.

WHAR, Atlantic City, N. J. (275m-1090kc), 10:45 a. m., morning service, Chelsea Baptist church; 2:15 p. m., sacred recital, Seaside hotel trio; 2:45, sermon; 7:50, Chelsea Baptist church; 9, "An Hour with the Classics," Seaside hotel quartet; 11:15, Strand theater organ recital.

WHN, New York, N. Y. (361.2m-830kc), 11:30-12:30 p. m., Calvary morning service; 12:30-1, Lexington organ recital; 2-3, Queen's County Christian Endeavor program; 3-4:30, Bible class; 5-5:30, Roseland dance orchestra; 7:30-9:45, Calvary Baptist church services; 10:45-11:15, Janssen's Hofbrau orchestra; 12-12:30 a. m., Harry Richman and his entertainers.

WIP, Philadelphia, Pa. (508.2m-590kc), 4 p. m., "Family Remedies," religious talk, Herbert Leon Cope; 7:15, services, Holy Trinity church; 10, Ben Stad and his WIP Little Symphony orchestra; Thelan Melrose Davies, contralto.

WLIT, Philadelphia, Pa. (394.5m-760kc), 2 p. m., Acadia cafe concert orchestra, Professor Feri Sarkozi, director; 6:30, Benjamin Franklin concert orchestra; 7, Benjamin Franklin organ recital.

WMBF, Miami Beach, Fla. (384.4m-780kc), 7-9 p. m., Fleetwood Radio orchestra; 10-1 a. m., Gene Fosdck and his orchestra; Fleetwood Radio orchestra.

WNYC, New York, N. Y. (526m-570kc), 8:15 p. m., announced.

WOO, Philadelphia, Pa. (508.2m-590kc), 10:30 a. m., services, Bethany Presbyterian church; 2:30 p. m., Sunday school musical exercises, Bethany temple; 6, organ recital, Clarence Bawden.

WOR, Newark, N. J. (405.2m-740kc), 3:15 p. m., Zit's Central Park Casino orchestra; 6:15, "Words Often Mispronounced"; 6:17, sports, Bill Wathey; 6:45-7:15, Jacques Jacobs' Hotel Shelton ensemble; 7:30-7:45, Van's Collegians; 11-12, Katinka orchestra.

WREO, Lansing, Mich. (285.5m-1050kc), 10 a. m., chimes, belfry Plymouth Congregational church; 10:30, church services, Edwin W. Bishop, pastor; 7 p. m., church services, Central M. E. church, Rev. Frank Kingdon, pastor.

WTAG, Worcester, Mass. (268m-1120kc), 4-5 p. m., men's conference, H. Walter Riland; address, Dr. S. Parkes Cadman; music, Gloria Trumpeters and George Betts, chime soloist; Mr. and Mrs. Howard Wade Kimsey, baritone and accompanist; 7:20-9:15, musical program, Capitol theater; 9:15-10:15, Atwater Kent hour.

WTIC, Hartford, Conn. (475.9m-630kc), 9 p. m., concert, Symphonette ensemble.

WWJ, Detroit, Mich. (352.7m-850kc), 11 a. m., St. Paul Episcopal cathedral services; 2 p. m., Detroit News orchestra; 7:20, Capitol theater family.

Central Time Stations

CKY, Winnipeg, Can. (384.4m-780kc), 7 p. m., Young United church; 9, studio program.

KFH, Wichita, Kans. (268m-1120kc), 9:45 a. m., men's Bible class, First Baptist church; 7:15 p. m., sermon, W. H. Rogers; 9:15, Coleman string quartet.

KFRU, Columbia, Mo. (499.7m-600kc), 7:30 a. m., sunrise service; lesson, Nellie Lee Holt; music, Stephens college sextet; 9:20, Jessle Burrall Bible class; orchestra, Junior Harper, director; 7:30 p. m., evening student service, First Baptist church, Rev. Luther W. Smith, minister.

KFUO, St. Louis, Mo. (545.1m-550kc), 4 p. m., "The Prince of This World Is Judged"—Comfort Against the Temptations of Satan, Prof. P. E. Kretzmann; 9:15, "Go Ye, Therefore, and Teach All Nations, Baptizing Them in the Name of the Father and of the Son and of the Holy Ghost," Rev. Th. Laetsch; music.

KLDS, Independence, Mo. (440.9m-680kc), 11 a. m., Stone church service; 3 p. m., sacred program; 6:30, vesper service, Lilly Belle Allen, soprano; Mrs. Arthur Daniels, contralto; Elbert Dempsey, tenor; Dr. Frank Criley, bass; sermonet, Ralph W. Farrell; 9:15, Pauline Becker Etzenhauser, organist; Lillian Green, violinist; Mrs. I. A. Smith, soprano; George Anway, tenor; "Story of the Book of Mormon."

KMA, Shenandoah, Iowa (252m-1190kc), 12:15-1:15 p. m., sacred songs, Mrs. Earl May, director; 4-5, church choir music; 5-6, Bible class, G. H. Van Houten, director.

KMMJ, Clay Center, Neb. (229m-1310kc), 8:30 p. m., church service.

KPRC, Houston, Tex. (296.9m-1010kc), 4 p. m., First Baptist church orchestra, C. A. Durkee, director; Mrs. J. Howard Clark, soloist; 7:55, First Church of Christ, Scientist; 9:30, Aeolian string quartet, Cedric Seaver, conductor.

KSD, St. Louis, Mo. (545.1m-550kc), 6:15 p. m., concert orchestra, Max Steindel, conductor; 8:15, Atwater Kent, WEAF.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 11-12:15 p. m., service, St. Luke's Episcopal church; 9-10, New Arlington hotel grand ensemble; 10-11:30, "The Arkansas Traveler Limited Special Train." Bennie Ford and his musical train crew; 11:30-12:30 a. m., midnight organ classic, Lawson Reid.

KYW, Chicago, Ill. (536m-560kc), 11 a. m., Central church service; 2:30 p. m., Chicago church federation; 4:30, studio concert, Edwin Harper, director; 7-9:15, Sunday Evening club, music, Imperial male

The popular team below, Correll at the piano and Gosden with the ukulele, may be discovered regularly at WGN, Chicago. They sing modern songs with their own interpretations and, as you can see, with a mischievous flare.

G. C. Arnoux of KTHS, Hot Springs National Park recently discovered a new Radio entertainer, Mrs. B. D. Rigsbee, above.

Sunday, January 31

Headliners Today

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.

WDAF (365.6m-820kc) Mabel Garrison.

7:20	6:20	5:20	4:20

WEAF (491.5m-610kc), WEEI, WCAP, WJAR, WTAG, WWJ, WCAE, Capitol theater family.

8	7	6	5

WBZ (333.1m-900kc) Westboro choral club.

8:30	7:30	6:30	5:30

WCAU (278m-1080kc) Bonwit-Teller light opera company.

9:15	8:15	7:15	6:15

WEAF (491.5m-610kc), WEEI, WCAP, WJAR, WGR, WCAE, WSAI, WWJ, WOC, WCCO, WGN, WEAR, KSD, WTAG, WFI, Atwater Kent program.

10	9	8	7

WIP (508.2m-590kc) Ben Stad and Little symphony.

10:30	9:30	8:30	7:30

KPRC (296.9m-1010kc) Aeolian string quartet.
WAMD (244m-1230kc) Harmony Hurricane.

10:45	9:45	8:45	7:45

WOC (483.6-620kc) Palmer Little symphony.

11	10	9	8

KTHS (374.8m-800kc) Arkansas Traveler Train frolic.

12 m.	11	10	9

KFI (468.5m-640kc) Blue Bird band.
KFWB (252m-1190kc) Movie frolic.
KNX (336.9m-890kc) Classic program.

Sunday, silent night for: CFAC, CHIC, CKNC, CNRA, CNRC, CNRE, CNRM, CNRO, CNRR, CNRT, CNRV, CNRW, KFAB, KFAU, KFKX, KFKU, KFMQ, KFOA, KFVE, KFWA, KLX, KMA, KMTR, KOAC, KOB, KSAC, KSO, KWSC, PWX, WAHG, WCAD, WCX, WDAF, WEAO, WEBJ, WEBW, WGES, WGHB, WGST, WHAD, WHAS, WHAZ, WJAZ, WJJD, WKAF, WKAQ, WKAR, WLIT, WMAQ, WMC, WNYC, WOI, WRC, WRVA, WSB, WTAM, WTIC.

KOA GIVES FANS VOICE CULTURE

Sunday, January 31

quartet; "Some Old Letters," Clifford W. Barnes; choir of 100; "Empty Thrones," Dr. Gaius Glenn Atkins.

WAMD, Minneapolis, Minn. (244m-1230kc), 6:45 p. m., Arthur H. Faust, Leome Faust, Radio Stock company; 9:30, Gayle Wood, Harmony Hurricane.

WBAP, Fort Worth, Tex. (475.9m-630kc), 9:30 p. m., Texas hotel orchestra.

WBBM, Chicago, Ill. (226m-1330kc), 12:30-2 p. m., William Zimmer, tenor; Kantor A. Kritz; Sandy Meek and Harry Sosnik; Edna Wheeler Ballard, harpist; Moulin Rouge operatic quartet; 4-6, Joe Allabaugh, Lavergne and Shayne, xylophonists; Pete Kules; Tip trio; Ziegler; Harold Anderson; 8-10, Sunset male quartet; WBBM string trio; Moulin Rouge orchestra, 12-2 a. m., Nutty club.

WBCN, Chicago, Ill. (266m-1130kc), 10:30 a. m.-12 noon, morning service, People's Liberal church; talk, Rev. Rufus A. White; 4-5 p. m., Dain & Son classical hour; Velma Cook, soprano; Oriental quartet; male harmony group; Robert Stronach, pipe organist; 7:45-9:15, evening services, Thoburn M. E. church, 40-piece Thoburn semi-symphony orchestra, 80-voice choir, special vocal soloist, speaker.

WCBD, Zion, Ill. (344.6m-770kc), 8 p. m., Zion band, male quartet; G. R. Sparrow, tenor; Florence Farrar, contralto; Mrs. H. E. Mayfield, soprano; Beem and Newcomer, marimba duet.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 10:50 a. m., Westminster Presbyterian church, Rev. John E. Bushnell, pastor; 4:10 p. m., House of Hope Presbyterian church, Rev. H. C. Swearingen, pastor; 6:20, Second Church of Christ, Scientist; 8:15, Atwater Kent program, WEAF; Mme. Ernestine Schumann-Heink, contralto; Florence Hardeman, violinist.

WDAF, Kansas City, Mo. (365.6m-820kc), 4-4:45 p. m., WDAF's Sabbath vespers, Rev. James Condon, pastor; 5, program, Mabel Garrison, coloratura soprano: "Voci de Primavera," Johannes Strauss; "Guarda, che bianca luna," W. Josten; "Crepuscule," Massenet; "Air de Rossignol," Saint-Saens; George Siemonn, pianist, "I Bring You Heartsease," Gene Branscombe; "Howdy-do, Miss Springtime," David Guion; "Kiss Me Again," Victor Herbert; "The Last Rose of Summer"; "I Battitori di grano," Gene Sadero; "Little Star," Frank La Forge; "Kom Kjyra," Norwegian echo song.

WDOD, Chattanooga, Tenn. (256m-1170kc), 7:30-9 p. m., services.

WEBH, Chicago, Ill. (370.2m-810kc), 10:40 a. m., Seventh Church of Christ, Scientist; 5-6 p. m., twilight musicale; 7-9, artists' program.

WEBW, Beloit, Wis. (268m-1120kc), 4:30 p. m., college vesper service.

WENR, Chicago, Ill. (266m-1130kc), 2-4 p. m., classical program, Rauland-Lyric trio; Marie Tulley, Frank Westphal; sacred selections; 9:30-11:30, popular program, Frank Westphal and his All-American Pioneers; soprano solos; piano improvisions; banjo and sax duets.

WFAA, Dallas, Tex. (475.9m-630kc), 2:30-4 p. m., Sunday hour for farmers; Cartwright string band, George T. Shaw, harmonicist; 6-7, Bible class, Dr. William M. Anderson; Gospel song; 7:30-8:30, Pearl and Bryan Street Church of Christ, services, Rev. J. R. Nelson, minister; 9-9:30, Cartwright string band; 9:30-11, Little symphony orchestra, Grace Methodist Episcopal church, South, Earle D. Behrends, director.

WGES, Oak Park, Ill. (250m-1200kc), 7:40 p. m., Moody Bible institute program; 11-12 midnight, organ, sacred, classical.

WGN, Chicago, Ill. (302.8m-990kc), 11-11:45 a. m., Uncle Walt; 11:45-12:45, organ recital, Chicago theater; 12:45-2, feature program, Chicago theater; 2-3, organ recital, Lyon and Healy; 3-5, Chicago Philharmonic orchestra; 8:15-9:15, Atwater Kent program, WEAF.

WHAD, Milwaukee, Wis. (275m-1090kc), 3:15 p. m., Turnverein Symphony orchestra.

WHAS, Louisville, Ky. (399.8m-750kc), 9:57 a. m., organ prelude; 10, services, Temple Adath Israel, Joseph Rauch, rabbi, Karl Schmitt, organist and choir director; Charles Letzler, violinist; Mrs. Lewis Cole, soprano; Mrs. William Scholtz, contralto; William J. Horn, tenor; Douglas Webb, baritone; 4:30-5:30 p. m., evensong choral service, Christ church cathedral, Rev. Richard L. McCready, dean; boys' choir.

WHO, Des Moines, Iowa (526m-570kc), 11 a. m., church service; 7:30-8:30 p. m., Reese-Hughes orchestra.

WHT, Chicago, Ill. (399.8m-750kc), 12 m, Sunday dinner sacred concert, vocal and organ; 12:45, special program for shut-ins and sick; 1:15, shepherd time for the kiddies; 1:30, Aerial Girls program; 1:45, Radio Rangers; 2, fellowship program; 2:30, missionary program; 2:45, orchestra concert and afternoon services, Chicago Gospel tabernacle; 5:30, vesper concert; 6, young women's council; 6:30, concert, tabernacle band and choir; sermon, Paul Rader; 9:30, request program; 10:30, Paul Rader, back home hour.

WIBO, Chicago, Ill. (226m-1330kc), 2-4 p. m., Chester Newman, baritone; Mildred Perlin, reader; WIBO string trio; 6-8, sacred songs, Walter Preston; Fred Nobel, cornetist; Earl Bigelow, pianist; WIBO trio.

WJJD, Mooseheart, Ill. (370.2m-820kc), 7:45-8:45 a. m., Catholic services; 9:40-10:30, Protestant services; 3-4 p. m., Mooseheart Sunday concert.

WKAF, Milwaukee, Wis. (261m-1150kc), 4-6 p. m., Jean Hammond and her Tune Tinkers; ladies' trio; cello solo.

WLIB, Chicago, Ill. (302.8m-990kc), 5-7 p. m., studio program.

WLS, Chicago, Ill. (344.6m-870kc), 6 p. m., prelude; 6:30-7:55, WLS Little Brown Church in the vale; Little Brown Church choir; Ralph Emerson, organist; studio trio.

WLW, Cincinnati, Ohio (422.3m-710kc), 9:30 a. m., school, editorial staff of Sunday School Publications, Methodist Book Concern; 11, services, Seventh Presbyterian church, Jesse Halsey, pastor; 3 p. m., organ recital, Lillian Tyler Plogstedt; 7:30, services, First Presbyterian church, Dr. Frederick McMillan, pastor; 8:30, concert, H. & S. Pogue Co., Walter Esberger, director; Arthur Bowen, cellist; John Eken, trombonist.

WMBB, Chicago, Ill. (250m-1200kc), 3-5 p. m., Trianon orchestra, Dell Lampe, conductor; Woodlawn theater orchestra, Armin F. Hand, conductor; Lucille O'Hara, Tommy Hughes, Bob Duffy, Earl Smith, popular concert; 7:40-9, Fifth Church of Christ, Scientist, services; 9-11, Trianon orchestra, Dell Lampe, conductor; Woodlawn theater orchestra, Armin F. Hand, conductor; Scotty Welch and Madison Sisters, harmony trio; Austin Kavanaugh, Bob Bennett, popular program.

WMC, Memphis, Tenn. (499.7m-600kc), 11 a. m., services, First Baptist church.

WOAI, San Antonio, Tex. (394.5m-700kc), 11 a. m., First Presbyterian church, Rev. Dr. P. D. Hill, pastor; 7:45 p. m., Central Christian church.

WOAW, Omaha, Nebr. (526m-670kc), 9 a. m., chapel service, Rev. R. R. Brown; 1:30 p. m., matinee; 6, Mrs. Carl R. Gray; 9, chapel service.

WOC, Davenport, Iowa (483.6m-620kc), 6:30-7 p. m., Evangelical Church of Peace, Rev. J. F. Rolf; 8:15-9:15, Atwater Kent Radio artists; 9:45-11:45, Palmer Little symphony.

WOI, Ames, Iowa (270m-1110kc), 10:45 a. m., chimes; 11, chapel service, President John L. Hillman.

WOK, Chicago, Ill. (217.3m1380kc), 1-2 a. m., Tierney's Town club orchestra; Husk O'Hare's Cocoanut Grove orchestra; Harriett Lee, contralto; Herman Sinaiko, violinist; George Allen, tenor; Bob Mokrejs, pianist, 6 p. m.-1:30 a. m., Gus C. Edwards and his orchestra, Husk O'Hare's Cocoanut Grove orchestra; Tierney's Town club orchestra; Capitol theater musical program; WOK mixed quartet; Herman Sinaiko, violinist Harriett Lee, contralto; George Allen, tenor; Bob Mokrejs, pianist; Bill Hay, bass.

WOQ, Kansas City, Mo. (278m-1080kc), 11 a. m.-12:30 p. m., services; 7-7:45, services.

WORD, Batavia, Ill. (275m-1090kc), 10-11 a. m., sacred solos and duets; address, G. A. Hall; 2:30 p. m., musical program; 3:30, address, W. E. Page 7-8, evensong, Gladys Kennedy; 7:30, address, B. F. Hollister; 9-10:30, I. B. S. A. program; address, A. L. Seeley.

WOS, Jefferson City, Mo. (440.9m-680kc), 9:30 a. m., remote control Christian church services, Rev. Haushalter, pastor; 7:30, Evangelical church services, Rev. E. W. Berlekamp, pastor.

WQJ, Chicago, Ill. (447.5m-670kc), 10:30-11:30 a. m., People's church; 3-4 p. m., concert, Saida A. Ballantine artists; 8-10, Rainbo Gardens orchestra; Prof. Ascan W. Kittner, pianist; Fontello trio; Leo Miller, violinist; Milton Sherman, pianist; Kenneth Sterling, baritone; Lorena Anderson, soprano; Clement Laskowski, tenor.

WSAI, Cincinnati, Ohio (325.9m-920kc), 3-4:30 p. m., address, Dr. S. Parkes Cadman; music; Gloria Trumpeters; George Betts, chimer; 7:45, Radio chime concert, Robert Badgley; 8, sermonette; 8:15-9:15, Atwater Kent hour, WEAF; 9:15, Union Central Life Insurance company orchestra, Sigmund Culp, director.

WSUI, Iowa City, Iowa (483.6m-620kc), 9:15 p. m., familiar hymns, Mrs. Mildred B. Paddock.

WSB, Atlanta, Ga. (428.3m-700kc), 5 p. m., Epworth Methodist church choir.

WSM, Nashville, Tenn. (282.8m-1060kc), 7:30 p. m., First Presbyterian church services, Dr. James I. Vance, pastor.

High Lights of the Week

THE FASTEST program ever put on the air will take place Saturday, January 30, when details of the three-hundred-mile Carl G. Fisher cup race at Miami, Florida, speed through the ether from WGBU. The new A. A. A. Speedway at Fulford, has just been completed and promises to be one of the best automobile race tracks in the world. Barney Oldfield will be the starter and all the well-known drivers will take part in the race. One-thirty p. m. Eastern time the race begins. Tune in on 278 meters. The University club of New Haven and the Hartford choral club will give a joint recital from WTIC, Hartford, Saturday evening, at 8:15 p. m. Eastern time.

Madame Ernestine Schumann-Heink, whose singing has been appreciated for the last thirty years, will appear before her largest audience Sunday evening when she reaches millions of Radio fans through the WEAF chain. Mabel Garrison, soprano, whose voice was heard recently during the Atwater Kent hour at WEAF and chain, will sing under the auspices of the Atwater Kent company at WDAF, Sunday afternoon. The program she will give is included in the program for WDAF for this day.

Voice culture is the latest educational addition to the Monday programs of KOA, Denver. Americans of the future will doubtless be as naturally a singing nation as Italy is today. Lessons will include only the fundamentals of correct singing and will in no way compete with personal vocal instruction. John C. Wilcox is directing the course.

The Wampas Stars of 1926! To be one of the thirteen lucky ones is the dream of every extra girl in Hollywood. The thirteen loveliest and most talented of the younger motion picture actresses are chosen each year for the Wampus club. These beautiful young women, will make their Radio debut from KNX, Hollywood, Tuesday night.

It seems as if all the popular wondering minstrels of the air have migrated to WSAI, Cincinnati, this week. At midnight Wednesday appear Jack Little, Wendell Hall, and the Ray-O-Vac Twins. Here is a headliner program for any fan who enjoys the merry songs of these artists.

The South claims an artist whose lovely lines have immortalized the old-time southern chivalry, Sidney Lanier. A memorial program will be given Thursday at WBAL for this famous poet. The Philharmonic trio and Madame Tosi will make the 9 p. m. Eastern time program of WBZ, Springfield, an unusually fine one.

"Just Folks," is the title of the comedy of American life given by the WGY players. This is one of those homely comedies which contains many laughs and yet manages to touch the heart of the listener. At WCCO is the annual mid-winter concert of the Apollo club of Minneapolis. The assisting soloist will be Oscar Seagle, New York baritone.

Mountain Time Stations

KOA, Denver, Colo. (322.4m-930kc), 10:30 a. m., Immaculate Conception cathedral mass and sermon, Rev. J. Henry Tihen, celebrant; Malcolm C. Marks, organist; 3 p. m., music; organ recital, M. C. Marks; 7:45, Immaculate Conception cathedral service.

KXKF, Colorado Springs, Colo. (250m-1200kc), 7:30-9 p. m., First Methodist church services.

Pacific Time Stations

KFI, Los Angeles, Calif. (468.5m-640kc), 6:30 p. m., nightly doings; 6:45, Sunspot weather forecast; music appreciation chat; 7-8, Aeolian residence pipe organ, Dan L. McFarland, organist; 8-9, Louise Klos trio, Ysabel Bowen soprano; 9-10, Mabelle Hein and her Blue Bird band; 10-11, Packard Six dance orchestra.

KFON, Long Beach, Calif. (233m-1290kc), 2:30-4 p. m., Long Beach Municipal band; 6-6:30, organ, Brayton's theater; 6:30-7, KFON gossip and amusement information; 7:45-9, service, First Church of Christ, Scientist.

KFWB, Hollywood, Calif. (252m-1190kc), 9-11 p. m., late news, Warner Brothers Sunday night movie frolic.

KGO, Oakland, Calif. (361.2m-830kc), 11 a. m., First Congregational church service, Rev. James L. Gordon, pastor; 3:30 p. m., concert, KGO Little symphony orchestra, Carl Rhodehamel, conductor, assisted by Arthur S. Garbett, and Carl Anderson, tenor, guest artist; 7:45, First Congregational church service, Rev. James L. Gordon, pastor.

KGW, Portland, Ore. (491.5m-610kc), 11-12 m., First Congregational church; 7:35-9 p. m., First Presbyterian church; 9-10, Chevrolet Little Symphony orchestra.

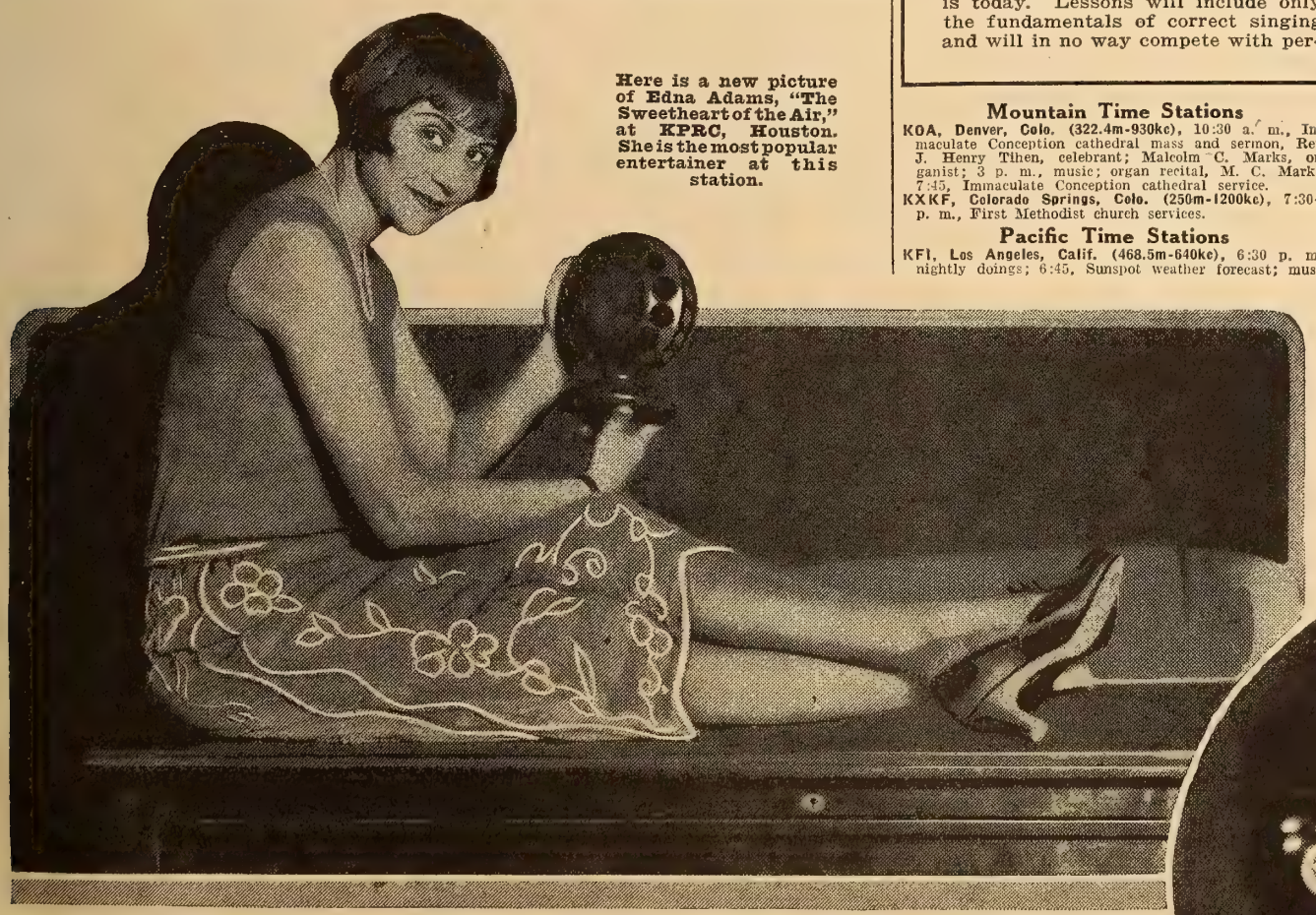
KHJ, Los Angeles, Calif. (405.2m-740kc), 4-5 p. m., Masonic service; 6:30-7, Leighton's Arcade cafeteria orchestra, Jack Cronshaw, leader; 7-7:30, First Methodist Episcopal church; 8-10, de luxe studio program.

KNX, Hollywood, Calif. (336.9m-890kc), 2-4 p. m., City Park board program; 6:30-7, Hollywood Unitarian church; 7-8, First Presbyterian church of Hollywood; 8-9, Ambassador hotel concert orchestra; 9-10:30, classic program, courtesy Reed Brothers.

KPO, San Francisco, Calif. (428.3m-700kc), 9:45-10:45 a. m., undenominational and non-sectarian church service; talk, "Factory Chimneys and Church Steeples," Dr. James S. West, pastor First Baptist church; soprano solos, Louise D. Wolbert, Uda Waldrop, organist; 10:45, "Ye Town Cryer"; 5-6, organ recital, Marshall W. Giselman; 6-6:30, Waldemar Lind and States restaurant orchestra; 6:35-7:30, Palace hotel concert orchestra, Cyrus Trobbe, director; 8-8:35, Palace hotel concert orchestra, Cyrus Trobbe, director; 8:35-10, Rudy Seiger's Fairmont hotel orchestra.

KPSN, Pasadena, Calif. (315.6m-950kc), 6:45-8:45 p. m., Presbyterian church service; 8:45-9:45 Maryland artists ensemble, Henri J. Van Praag, director.

KTAB, Oakland, Calif. (240m-1250kc), 9:45-10:45 a. m., Bible lecture, Prof. E. G. Linsley; 11-12:30, church service; 7:45-9:30 p. m., church service; 9:30-11, after-service concert.



Here is a new picture of Edna Adams, "The Sweetheart of the Air," at KPRC, Houston. She is the most popular entertainer at this station.

Much of the piano music at KFMQ, the University of Arkansas station, is given by the fair coed at the right, Lorraine Allen.

Monday, February 1

Headliners Today

Eastern	Central	Mountain	Pacific
8:30 p. m.	7:30 p. m.	6:30 p. m.	5:30 p. m.

WBZ (333.1m-900kc) New England Conservatory of Music.

9	8	7	6

WSM (282.8m-1060kc) Negro Spirituals, Fisk student sextet.

9:30	8:30	7:30	6:30

WBZ (333.1m-900kc) Movie club.

WCAU (278m-1080kc) Monday Nighters.

WANDERING MINSTRELS, LITTLE, HA

Index to Popular Concerts

Saturday, January 30

Eastern	Central	Mountain	Pacific
7:30 p. m.	6:30 p. m.	5:30 p. m.	4:30 p. m.

WFAA.

8	7	6	5

WAMD, WLS.

9	8	7	6

WBBM, WEAF, WENR, WGBS, WLS, WMAQ, WNYC.

10	9	8	7

KFAB, KPRC, WBBM, WENR, WGN, WLS, WMBB, WREO.

11	10	9	8

KFVE, KFWB, KNX, KTHS, WBBM, WMBB, WOK, WQJ, WRC.

12	11	10	9

KNX KOIL, KPO, KPRC, WBBM, WLS, WOAW, WOK, WQJ.

1 a. m.	12 m.	11	10

KFWB, WDAF, WBBM, WEBH, WENR, WOK, WQJ, WSAI.

2	1 a. m.	12 m.	11

KNX, WBBM, WENR, WQJ.

Sunday, January 31

Eastern	Central	Mountain	Pacific
9 p. m.	8 p. m.	7 p. m.	6 p. m.

WBBM.

10	9	8	7

WBBM, WMBB.

11	10	9	8

WMBB.

12	11	10	9

KNX, KTHS.

1 a. m.	12 m.	11 p. m.	10

KFWB, WBBM.

2	1 a. m.	12 m.	11

KFWB.

Monday, February 1

Eastern	Central	Mountain	Pacific
7 p. m.	6 p. m.	5 p. m.	4 p. m.

WBBM, WFAA, WOAW.

8	7	6	5

WGBS.

9	8	7	6

WCAU, WEAF, WGR, WKRC, WOK.

10	9	8	7

KFAB, WGR, WKRC, WMCA, WOAW, WOK, WSOE.

11	10	9	8

KFAB, KFVE, WOK.

12 m.	11	10	9

KLX, KNX, KOIL, WAMD, WHO, WOK.

1 a. m.	12 m.	11	10

KFWB, KLX, WAHG, WDAF, WHT, WKRC, WOK.

2 a. m.	1 a. m.	12 m.	11

KFWB.

Tuesday, February 2

Eastern	Central	Mountain	Pacific
7 p. m.	6 p. m.	5 p. m.	4 p. m.

WMCA, WOAW.

8	7	6	5

WBBM, WEAR.

9	8	7	6

WBBM, WEAR, WBZ, WSB.

10 p. m.	9 p. m.	8 p. m.	7 p. m.

WBBM, WMBB, WOAW.

Eastern	Central	Mountain	Pacific
11 p. m.	10 p. m.	9 p. m.	8 p. m.

KFVE, KFWB, KNX, WBBM, WHT, WMBB, WOK, WQJ.

12 m.	11	10	9

KNX, KOIL, KPO, WAMD, WBBM, WFAA, WKRC, WMC, WOK, WQJ.

1 a. m.	12 m.	11	10

KFWB, KNX, WFAA, WHT, WOAW, WOK, WQJ.

2	1	12 m.	11

KFWB, WQJ.

Wednesday, February 3

Eastern	Central	Mountain	Pacific
8 p. m.	7 p. m.	6 p. m.	5 p. m.

KFNF, WAHG, WEBJ, WEEI, WMCA.

9	8	7	6

WBBM, WEBJ, WGCP, WNYC.

10	9	8	7

KFAB, KPRC, WBBM, WGCP, WHO, WMBB.

11	10	9	8

KFAB, KFVE, KGW, KPO, KWSC, KYW, WBBM, WHN, WMBB, WOK, WQJ.

12 m.	11	10	9

KFWA, KFWB, KNX, KYW, WAMD, WOK, WQJ, WSAI.

1 a. m.	12 m.	11	10

KNX, KYW, WBBM, WHT, WOK, WQJ.

2	1 a. m.	12 m.	11

KFWB, KNX, WBBM, WOK, WQJ.

Thursday, February 4

Eastern	Central	Mountain	Pacific
8 p. m.	7 p. m.	6 p. m.	5 p. m.

WCAE, WEAF, WJAR, WMC, WOC, WSAI.

9	8	7	6

WBBM, WHAD.

10	9	8	7

KMA, WBBM, WEEI, WHAD, WHN, WMBB, WMC, WNYC, WOAW, WSOE.

11	10	9	8

KHJ, KMA, KYW, WBBM, WMBB, WOK, WQJ.

12 m.	11	10	9

KHJ, KTAB, KOIL, WBBM, WDAF, WEAA, WKRC, WOC, WOK, WQJ.

1 a. m.	12 m.	11	10

KFWB, KHJ, WHT, WOK, WQJ.

2	1 a. m.	12.m.	11

KNX, WQJ.

Friday, February 5

Eastern	Central	Mountain	Pacific
8 p. m.	7 p. m.	6 p. m.	5 p. m.

WGCP, WJR.

9	8	7	6

WAMD, WBBM, WGR, WLS.

10	9	8	7

KFAB, WBBM, WMC, WDAF, WHAD, WMBB, WOAW, WSOE.

11	10	9	8

KFVE, KFWA, KHJ, KLX, KYW, WMBB, WOK, WQJ.

12 m.	11	10	9

KFWB, KHJ, KNX, KOIL, WAMD, WMC, WOK, WQJ.

1 a. m.	12 m.	11	10

KFWB, KHJ, WDAF, WHT, WOK, WQJ.

2	1 a. m.	12 m.	11

KNX, WQJ.

Monday, February 1

9:45 p. m.	8:45 p. m.	7:45 p. m.	6:45 p. m.

WMC (499.7m-600kc) Cortese ensemble.

10	9	8	7

KPRC (286.9m-1010kc) Cycle of songs, old and new.
KTHS (374.8m-800kc) Novelty night.
WEAF (491.5m-610kc), WOO, WJAR, WCAP, WTAG, WCAE, WSAI, "Barber of Seville."

11	10	9	8

KOA (322.4m-930kc) Voice Culture.

11:15	10:15	9:15	8:15

WOC (483.6m-620kc) Mendelssohn club.

Monday, silent night for: CNRA, CNRC, CNRE, CNRM, CNRO, CNRR, CNRT, CNRV, CNRW, KFAU, KFDM, KFEQ, KFMQ, KFMX, KFWA, KHJ, KLDS, KYW, PWX, WBBM, WBCN, WCAD, WCBD, WEAO, WEBH, WEBJ, WEBW, WENR, WGBS, WGES, WGN, WHAS, WHT, WIBO, WIP, WJAZ, WJJD, WKAQ, WLIB, WLS, WMAQ, WMBB, WOAI, WOC, WOK, WORD, WQJ, WRC, WREO.

Eastern Time Stations

CKAC, Montreal, Can. (410.7m-730kc), 1:45 p. m., luncheon concert.

CKNC, Toronto, Can. (356.9m-840kc), 8-11 p. m., CKNC Little symphony orchestra, Charles Bodley, director; Verdi mixed quartet; Madeline Bell, soprano; Ella McQuillan, contralto; Lawrence De Foe, tenor; Edgar Smith, bass.

WAFD, Port Huron, Mich. (275m-1090kc), 12-2 a. m., studio program, dance orchestra.

WAHG, Richmond Hill, N. Y. (315.6m-950kc), 12:02 p. m., Grebe matinee trio; 7:30, "Crazy Cat," John Aiden Carpenter; Maude Mason, pianist; 8, Synchrophase trio; 9, Marie Nicholson, soprano; 10:03, Walter Iooss, pianist; 10:20, Joe Zimmerman's orchestra; 12, dance music.

WBAL, Baltimore, Md. (246m-1220kc), 6-6:30 p. m., "The Happy Prince and Other Happy People," Hazel Knox; 6:30-7:30, WBAL dinner orchestra; 7:30-8, Peabody Conservatory of Music; Frederick D. Weaver, organist; 8-9, Marion McFall Kaye, soprano; Elizabeth Oppenheim, pianist; Walter N. Linthicum, baritone; 9-9:10, Dr. Hugh H. Young; 9:10-10, Eugenia Earp Arnold, contralto; Robert Lee, violinist; Clarence L. Hihn, tenor.

WBBR, New York, N. Y. (273m-1100kc), 8 p. m., Irene Kleinpeter, soprano; 8:10, world news digest; 8:20, vocal duets, Irene Kleinpeter and Fred Franz; 8:30, Bible instruction; 8:40, Fred Franz, tenor; 8:50, vocal duets.

WBZ, Springfield, Mass. (333.1m900kc), 6:30 p. m., Little Symphony orchestra; 7, "Theatrical Gossip," Samuel Wren; 7:30, Rene Dagenais, organist; 8, Capitol theater orchestra; 8:30, S. A. I. sorority; 9, Aleppo Drum corps; 9:30, WBZ Radio Movie club.

WCAE, Pittsburgh, Pa. (461.3m-650kc), 10:45 a. m., Gold Medal talk; 12:30 p. m., news, library news, 6:30, dinner concert, William Penn hotel; 8, Nixon orchestra; 9, studio concert, Mae R. DeBlasio; 10, grand opera.

WCAP, Washington, D. C. (468.5m-640kc), 6:45-7:45 a. m., Tower health exercises, WEAF; 6-11 p. m., Washington Post hour; A. and P. Gypsies, grand opera, WEAF.

WCAU, Philadelphia, Pa. (278m-1080kc), 7:30 p. m., concert by N. Snellenburg and company; 8, Carolyn Thomas, soprano; Ella Jaquette Kratz, pianist; 8:45, Barry O'Moore and $37 American Radio trio; 9:30, The Monday Nighters; 10, Kathryn Figthorne, contralto, Virginia Klein, pianist; 10:30, Parodians dance orchestra.

WCX, Detroit, Mich. (516.9m-580kc), 4 p. m., news and markets; 6, dinner concert, Book-Cadillac hotel, 8, studio program.

WEAF, New York, N. Y. (491.5m-610kc), 10:45 a. m., Betty Crocker; 11:05, music; 11:15, talk; 11:30, "Physical Care of Infants," Columbia university; 2:30 p. m., Mrs. George E. Owens; 4:30, Ben Gorden, tenor; 4:45, talk; 6, Waldorf-Astoria; 7, Columbia university lecture; 7:20, Iris Torn, pianist; 7:30, lullaby lady; 8, pop concert, WEAF, WOO; 8:30, Coal Miners trio; 8:45, tower health talk, WEAF, WEEI, WCAP; 9, A. and P. Gypsies, WEAF, WEEI, WCAP, WWJ, WJAR, WOO, WSAI; 10, "Barber of Seville," WEAF Grand Opera company, WEAF, WOO, WJAR, WCAP, WTAG, WCAE, WSAI, 11-12, Ben Bernie and his orchestra.

WEAO, Columbus, Ohio (293.9m-1020kc), 1:15 p. m., "Timely Economic Information for the Farmer," C. J. West; 1:30, music.

WEAR, Cleveland, Ohio (389.4m-770kc), 11 a. m., home service; 7, Allen theater orchestra.

WEEI, Boston, Mass. (348.6m-860kc), 6:45 a. m., tower health exercises; 7:45, morning watch, Estey organ studio; 6:15 p. m., Joe Rines and his Hunters' Cabin orchestra; 7, Big Brother club; 7:30, musical; 8, E. B. Rideout, meteorologist; 8:15, Black Iron Shiners; 8:45, tower health talk, WEAF; 9, A. and P. Gypsies, WEAF; 10, Scotty Holmes and his orchestra; Imperial Marimba band.

WFI, Philadelphia, Pa. (394.5m-760kc), 10:30 p. m., Betty Crocker; 10:40, solos; 1 p. m., Tea Room ensemble; 3, Mrs. J. M. Camp, soprano; Caroline Sharp, pianist; Louis Pearlman, violinist; Dr. J. G. Rogers, Science Man of the Orient; 6:30, Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra.

WGBS, New York, N. Y. (315.6m-950kc), 10 a. m., timely talks; 10:10, 10:30, 10:50, Bernard Kalkin, organist; 11:20, "Little Theaters," Dorothy Herzog; 11:40, fashion talk, Lillian Regan; 1:30, Bob Platz and Murray Miller, jazz pianists; 3, interview with Harry Archer and Harlan Thompson, musical comedy authors; Virgil Forrest, pianist; 6, Uncle Geebee, 6:30, Premier club orchestra.

WGCP, New York, N. Y. (252m-1190kc), 1 p. m., race results; 3, Ona Welsh, pianist; 3:20, LeRoy Montenanto, tenor; 3:35, Eva Rothenberg, pianologist; 3:45, studio program; 4:30, Uncle Robert and his pals; 8:30, Perry Bradford and his Cotton Belt quartet; 8:50, talk to boys, Philip Wolf; 9, Loomis orchestra; 9:30, Marie Kalla, soprano; Alexander Kallo, violinist in Hungarian program; 10, Bob Ward and the three little Wards; 10:30, Strickland's orchestra.

WGHP, Detroit, Mich. (270m-1110kc), 6 p. m., dinner concert, Hotel Tuller; 7, farm program; 9, classical concert; Little Symphony orchestra; Cameron McLean, baritone; Mabel Howe, pianist; Lucille Burke, soprano; T. Stanley Perry, tenor.

WGR, Buffalo, N. Y. (319m-940kc), 2:30 p. m., WGR's afternoon program; 6:30, Reveliers orchestra; 8:45, Evelyn Fossum, soprano; 9, popular program, Wheat's Ice Cream company; 10, popular program, Ethel Johnson and associates; 11-1 a. m., Vincent Lopez' Hotel Statler dance orchestra, Harold Gieser, director, and Arthur Melgier at the organ.

WGY, Schenectady, N. Y. (379.5m-790kc), 2 p. m., Asia restaurant orchestra; 2:30, music; household talks, cooking lesson, Jessie B. Lane; "From Rags to Rugs," Merle Pinkston; 6:30, dinner music, Hotel Van Curler; 7, agricultural program, addresses; 7:45, Hebrew music; Lillian Rosenthal, Levitt, soprano; "Literary Appreciations," William L. Widdemer.

WHAR, Atlantic City, N. J. (275m-1090kc), 2 p. m., Seaside hotel trio; 7:30, talk; dance orchestra.

WHN, New York, N. Y. (361.2m-830kc), 6-6:30 p. m., Littman's dinner music; 6:30-6:45, Daddy Dingle and his Jingle Box; 6:45-7, Littman's dinner music, 7-7:30, Marlboro State trio; 7:30-8, Joe Ward's Swanee entertainers; 8-8:05, Storage Battery talk; H. B. Shontz; 8:05-8:30, Roseland dance orchestra; 10-10:30, Shanley's orchestra; 11:30, Silver Slipper orchestra, 12-12:30 a. m., Parody orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:45 a. m., setting-up exercises; 7, setting-up exercises; 1 p. m., Gimbel tea room orchestra; 3, artist recital, Skibinsky studio; Chas. D. Long, basso, Flora Ripka, accompanist; 3:45, mental hygiene talk; 4, market hints to housewives; 6:05, Benjamin Franklin hotel concert orchestra; 7, Uncle Wip's bedtime stories; dancing lessons, Miller Conservatory of Dancing.

WLIT, Philadelphia, Pa. (394.5m-760kc), 12:02 p. m., daily almanac; Stanley theater organ recital, Arcadia cafe concert orchestra; 2, Arcadia cafe concert orchestra; 4:30, recital; 7:30, Dream Daddy's bedtime stories; 8, recital; 9, movie picture review, Jas. Nassau; 9:10, Stanley Hour of Music; 10, Arcadia cafe dance orchestra; 10:30, Fay's Knickerbocker theater vaudeville features; 10:45, El Patio dance orchestra.

WMBF, Miami Beach, Fla. (384.4m-780kc), 7-9 p. m., Fleetwood Radio orchestra; 10-1 a. m., Gene Fosdick and his orchestra; Fleetwood Radio orchestra.

WNYC, New York, N. Y. (526m-570kc), 6:20 p. m., piano selections; 6:30, Elementary German lessons, V. Harrison Berlitz; 7, advanced German lessons; 7:35, dance orchestra; 8:15-9:15, violin and song recital; 9:30, banquet, New York county American Legion.

WOO, Philadelphia, Pa. (508.2m-590kc), 11 a. m., organ recital; 12:02 p. m., Golden's crystal tea room orchestra; 4:45, organ recital; 7:30, Ritz Carlton concert orchestra; 8, Pop concert; 9, A. and P. Gypsies; 10, Grand opera, "Barber of Seville;" 11, Walter Miller's Ritz Carlton dance orchestra.

WOR, Newark, N. J. (405.2m-740kc), 2:30 p. m., Oreste's Queensland orchestra; 3:45-5, fashion talk, Dorothy Mines; 6:15, "Words Often Mispronounced"; 6:17, sports, Bill Wathey; 6:45, Jacques Jacobs' Hotel Shelton ensemble; 7:30-7:45, Katinka orchestra; 8, "Current Topics" lecture, H. V. Kaltenborn; 8:30-9:15, Al Reid's hour; 9:30-9:45, Serenaders; 10:10-10:30, Serenaders; 11-12 midnight, Irving Aronson's Crusaders.

WRC, Washington, D. C. (468.5m-640kc), 10 a. m., women's hour, WJZ; 12, organ recital, Homer L. Kitt studios; 1 p. m., Shoreham hotel orchestra, Sidney Seidenman, director; 4:30, musical program.

WRVA, Richmond, Va. (256m-1170kc), 8-12 midnight, Hotel Jefferson orchestra; 9, travelog, Dr. Douglas Freeman; 9:10, U. S. Marine band.

WTAG, Worcester, Mass. (268m-1120kc), 10:30 a. m., musical selections; 10:45, talk, Marjorie Woodman; 12:05-2, luncheon music, WTAG, Will Hardy, director; 7, science talk, Fred D. Aldrich; 7:15, twilight scouts; 7:45, scout announcements, Joseph Wadleigh; 8, "Housing and Management of the Breeding Flock," W. C. Monahan; 9-10, Robin Hood hour of music, Arthur Crosbie, director; 10-11, grand opera, "Barber of Seville," WEAF.

WTAM, Cleveland, Ohio (389.4m-770kc), 12:15-1:15 p. m. Austin Wylie's Golden Pheasant orchestra; 6-7, Guy Lombardo and his Royal Canadians; 8-11, Willard symphony; 11-12, Austin Wylie's Golden Pheasant orchestra; 6-7, Guy Lombardo and his Royal Canadians; 8-11, Willard symphony; 11-12, Austin Wylie's Golden Pheasant orchestra; 12-1, Guy Lombardo and his Royal Canadians.

WTIC, Hartford, Conn. (475.9m-630kc), 11 a. m., talk; 11:25, music; 11:30, housewives' forum, Mrs. J. M. Dean; 12:05 p. m., luncheon music; 6:30, dinner music, Hub trio; 7:35, popular hits from "Too Many Brothers," Massachusetts Technical students; 8, concert, "Salle de Danse"; 9:30, dance music, Emil Heimberger's Hotel Bond orchestra; 10:30, Travelers Symphonic ensemble; Eric Tesche, tenor.

WWJ, Detroit, Mich. (352.7-850kc), 7:30-8 a. m., setting-up exercises, R. J. Horton; 9:30, "Tonight's Dinner"; talk, woman's editor; 10:45, home service talk, Betty Crocker; 12:05, Jules Klein's Hotel Statler orchestra; 3, Detroit News orchestra; 6, dinner concert; 8, News orchestra and soloists; A. and P. Gypsies.

Central Time Stations

CKY, Winnipeg, Can. (384.4m-780kc), 8 p. m., university lecture; 9, studio program; 11, weekly revue, Metropolitan theater.

KFAB, Lincoln, Nebr. (340.7m-880kc), 10:30 a. m., "An Important Foundation Stone of Health," Florence Atwood; 8:05 p. m., "Legume Crops for Soil Improvement," D. L. Gross; "Pruning the Grape," C. C. Wiggans; 8:30-10:30, Belshaw's orchestra; Cow Bell boys; Mike Kopec, pianist; Gloomy Gus, entertainer; Ed Ellington, original songbird; Harmony boys.

KFH, Wichita, Kans. (268m-1120kc), 9-10 p. m., entertainers, Kansas Milling company.

KFMQ, Fayetteville, Ark. (299.8m-1000kc), 7:30 p. m., farmers' program; farm filosofy, Cy Adams; "Bull Association Work," M. Sullivant; "Ground Hog Day," Lan T. Gray; "Profitable Rice Production," A. H. Prince; "What the 1925 Account Books Show," A. D. McNair; "Spring and Summer Wardrobe for the School Girl," Helen Hobbs; "Taking Out Stains," Ella Posey; 8, Lamda Chi orchestra.

KFRU, Columbia, Mo. (499.7m-600kc), 6:15 p. m., dinner program; 7, Radio school.

KFUO, St. Louis, Mo. (545.1m-550kc), 8 p. m., "The Young People and Their Money," Rev. G. Hilmer; music.

KMA, Shenandoah, Iowa (252m-1190kc), 9-9:45 a. m., music; current topics, G. H. Van Houten; 11:30-12:30, noonday rural program; travelogue, G. H. Van Houten; music; seed talk, Earl E. May; musical saw, J. A. Showers; 6-7, Pollyana stories, Mrs. Dwight Nickols; music; 9-11, Farnham trio; How-Do-You-Do Boys; Grady and Doc.

KPRC, Houston, Tex. (296.9m-1010kc), 12 m., Frank Tilton, blind boy pianist; 5:30 p. m., Uncle Judd's kiddies' hour; 7:30, Malon Gunn's dance orchestra; 8:30, Bessie Griffiths, classical pianist; 9, Mrs. T. J. Harling, old and new songs; pioneer Radio entertainer.

KSAC, Manhattan, Kans. (340.7m-880kc), 9-9:25 a. m., music, inspirational talk, agricultural primer, calisthenics; 9:55, readings, backyard gossip; question box; planning today's meals; 12:35-1:05 p. m., readings, talks, question box; "Certified Potato Seed," D. R. Porter; "Ground Hog Day," A. E. Oman; 4:30-5, Third Year English literature, High School credit; 6:30-7:30, opportuuity talks; book review; current events; Extension credit course, Sociology; Extension course, "Money Market and Agricultural," R. M. Green; "Sorghums as Feed for Beef Cattle," C. W. McCampbell.

KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., fur hour; artist recital, Mrs. Franklyn Knight, contralto; 9, artist concert, Mrs. Carroll Smith, soprano; Agnes Grey, violinist; Vernon Henshie, pianist.

KSO, Clarinda, Iowa (242m-1240kc), 12:30-1:15 p. m., farmer dinner concert; 7-7:30, music; farm talk; 7:30-9:30, Jean Stutesman, old-time music; Hay Mow Five contest.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 12:30-1 p. m., orchestra; 9-10, novelty night, Meyer Davis' soloists and orchestra; 10-11, Brick English and his novelty orchestra.

KYW, Chicago, Ill. (536m-560kc), 7:30 a. m., morning family worship; 11:35, table talk, Mrs. Anna J. Peterson; 1-2 p. m., Joshka DeBabary and his orchestra; Coon-Sanders orchestra; 6, dinner music, KDKA.

WAMD, Minneapolis, Minn. (244m-1230kc), 12 noon, Cecilia Dare, contralto; Bee Lowell, accompanist; Jack Leeman, clarinetist; Roy Nowack, banjoist; 6:30, WAMD traffic squad; 7:05, Garrick theater orchestra; 7:20, Ethel Vanderpool, soprano; Louise and Henry Cook, duet; Isabelle Olson, violinist.

WBAP, Fort Worth, Tex. (475.9m-630kc), 7:30 p. m., vocal concert; 9:30, Ward's Trail Blazers; 11, Majectic theater.

WBBM, Chicago, Ill. (226m-1330kc), 4-6 p. m., Valentino inn orchestra, artists; 6-7, Harold Anderson, piano-accordionist; WBBM string trio artists.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 10:45 a. m., "Fry in Deep Fat," Betty Crocker; 12 m., Donaldson's orchestra; 2 p. m., woman's hour; 2:30, afternoon concert; 4, readers' club, Mrs. Walter Stevens; 5:30, children's hour; 6:30, dinner concert, Gordon Cooke ensemble, Meta Ashwin Birnbach, soprano, Louise Lupien Jenkins, accompanist; 7:45, farm lecture; 8, University of Minnesota program; 9, classical concert.

WDAF, Kansas City, Mo. (365.6m-820kc), 10:45-11 a. m., Betty Crocker, home service talk; 6-7 p. m., the Tell-Me-a-Story lady; dialect readings, C. M. Ragan; The Trianon ensemble; 8-9:30, around the town with WDAF; 11:45-1 a. m., Carl Nordberg's Plantation players; selections, Ted Meyn, organist.

WDOD, Chattanooga, Tenn. (256m-1170kc), 6:30-7 p. m., organ music, Tivoli theater; 7-8, Hotel Patten orchestra; 8:15, special features and program.

WEBH, Chicago, Ill. (370.2m-810kc), 11:30-12 noon, woman's half hour; 3-4 p. m., special features.

WFAA, Dallas, Tex. (475.9m-630kc), 12:30-1 p. m., pathos, philosophy and fun; Edmund F. Boettcher, tenor; Viola Cassidy, pianist; 4:30-5, Cyrus Barcus, cornetist; Joseph Strother, pianist; 5:30-7:30, Artie Collins and his orchestra; 8:30-9:30, Sears-Roebuck Agricultural Foundation program.

WGN, Chicago, Ill. (302.8m-990kc), 10-11 a. m., public service period; 11-11:30, household hints; 12:40-2:30, luncheon concert, Drake concert ensemble and Edward Benedict, organist; 2:30-3, Lyon and Healy, artists; 3:25-3:30, Port o' Missing Men; 3:30-4:15, tea time music, Marshall Field's tea room orchestra; 4:30-5, organ recital, Edward Benedict; 5:30-5:57, Skeezix time; 6:30-7, dinner concert, Drake concert ensemble and Edward Benedict, organist.

WHAD, Milwaukee, Wis. (275m-1090kc), 11 a. m., pianologue, Andy Hertel; 1 p. m., Trixy Ann Troy, ukulele; 6:15-7, Bill Benning's Milwaukee Athletic

„ RAY-O-VAC TWINS MEET AT WSAI

The three pretty ladies above, comprise the Grebe matinee trio which broadcasts every Monday and Thursday noon at WAHG, Richmond Hill. In the left corner is Alline Fentress, violinist, at WSM, Nashville, Tenn. The gentleman at the right, is the new voice culture teacher at KOA, Denver. John C. Wilcox, widely recognized as a vocal master and authority, will give his first lesson Monday.

club orchestra; 8-10, Marquette university studio program.

WHAS, Louisville, Ky. (399.8m-750kc), 1-2 p. m., concert, Royal Peacock orchestra; 3-3:30, organ recital, Mrs. Myrtle Zahn; 4-5, Harry S. Currie's Music Box concert; readings; fashion talk, Peggy True.

WHO, Des Moines, Iowa (526m-570kc), 7:30-9 p. m., Paul Stoye, pianist and composer; Mrs. Percy Potter, soprano; Lenore Mudge, accompanist; Alex Lindblom, violinist; Cornelius Ahern, tenor; 11-12, Corn Sugar orchestra.

WHT, Chicago, Ill. (399.8m-750kc), 10 a. m., women's club program; Borden health talk; Helen Rauh, pianist; John Clark, baritone; 10:45, home service, Betty Crocker; 11, special features; 11:15, drama talks; 6, p. m., classical program; dinner organ recital, Al Carney; 6:40, Kitchen Klenzer entertainments.

WIBO, Chicago, Ill. (226m-1330kc), 10-11 a. m., shoppers' bureau, Grace Viall Gray; 2-4 p. m., Ted Florito, pianist; Dan Russo, violinist; Victor Young, violinist.

WKAF, Milwaukee, Wis. (261m-1150kc), 10-11 p. m., Helen Osmundsen, soprano; Leon Grieb, tenor; Viola Sontag, pianist.

WKAR, Lansing, Mich. (285.5m-1050kc), 7:15-7:30 p. m., "Homemade Confections," Osee Hughes; 7:30-7:45, "Short Cuts in Cleaning and Washing Dishes," Edna V. Smith and Irma Gross; 7:45-8, "Correct Way of Handling Woolen Materials," Anna Bayha.

WLS, Chicago, Ill. (344.6m-870kc), 12 m., R. F. D. program; 6 p. m., WLS studio trio; Ralph Emerson, organist.

WLW, Cincinnati, Ohio (422.3m-710kc), 7:30 a. m., healthful exercises, William Stradtman; 8, morning devotions, auspices of the Parkway Y. M. C. A.; 12:05 p. m., religious service, Rev. George H. Kase, pastor; 4, children's hour, young pupils from the Cincinnati College of Music; 7, dinner hour concert, Hotel Gibson orchestra, Robert Vinconti, director; 7:30, Y. M. C. A. basketball question box; 8, Times-Star program, Times-Star orchestra, featuring "An Evening of Serenades," William Kopp, musical director, soloist, William Hafford.

WMAQ, Chicago, Ill. (447.5m-670kc), 12:20 p. m., Junior Association of Commerce; 1, Radio farm school, 2, shut-in program; 4, mothers in council; 4:30, "Foibles of the Moment," Mrs. Graham Aldis; 4:35, Glenn Dillard Gunn School of Music; 5, children's games, Glenn Adams; 5:15, Topsy-Turvy time; 6, Chicago theater organ recital; 6:30, Hotel La Salle orchestra; 6:40, Family Altar league.

WMC, Memphis, Tenn. (499.7m-600kc), 8:45 p. m., Cortese ensemble.

WOAW, Omaha, Nebr. (526m-670kc), 12:45 p. m., Randall's Royal Fontenelle orchestra; 6, entertainment; 6:20, popular songs; 6:40, insurance talk, Daniel D. Mackin; 6:50, Randall's Royal Fontenelle orchestra; 9, classical.

WOC, Davenport, Iowa (483.6m-620kc), 12:15-12:25 p. m., "Tankage Is Good for the Unborn Pig," Prof. John M. Evvard; 3-3:30, Aunt Jane; 5:45-6, chimes.

WOI, Ames, Iowa (270m-1110kc), 12:45 p. m., dairy production, Prof. Earl Weaver; 1:30, "Charting the Course," Dean Anna Richardson; "Women as Citizens," Mrs. Pauline Lewelling Devitt; 4:30, "Health Talk," Dr. J. F. Edwards; 7:15, basketball game, Nebraska-Ames; 7:30, "Automobile Troubles and Their Diagnosis," G. I. Mitchell; 8, addresses, Dean C. F. Curtiss, Dean Anna E. Richardson, President R. A. Pearson.

WQJ, Chicago, Ill. (447.5m-670kc), 11-12 m., baking talk, "Spices Used in Your Kitchen," Maud Jacobs; 3-4 p. m., "Egg Dishes," Helen H. Downing; "The Care of the Hair and Skin During the Winter Months," Madame Huntingford.

WSAI, Cincinnati, Ohio (325.9m-920kc), 7 p. m., Wendall Hall; 7:30, Ray O'Vac Twins; 8, A. and P. Gypsies, WEAF; 9, grand opera, "Barber of Seville"; 10-12, community program, Symphony orchestra and soloists.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., Biltmore hotel orchestra; 10:45, Vick Myers' orchestra.

WSM, Nashville, Tenn. (282.8m-1060kc), 6:30 p. m., concert, Francis Craig's orchestra; 7, bedtime story interlude; 8, Fisk student sextet and soloists, negro spirituals; 10, Christ church choir, F. Arthur Henkel, director; 11, Vito M. Pellettieri's orchestra.

WSUI, Iowa City, Iowa (483.6m-620kc), 12:30 p. m., Kenneth Forbes, cellist; address, "Phases of Astronomy"; program, Faculty of Speech depatrment.

Mountain Time Stations

CFAC, Calgary, Can. (435.8m-688kc), 8 p. m., Crescent quartet.

KFWA, Ogden, Utah (261-1150kc), 4-5 p. m., organ recital, Paramount theater; 5-6, Ogden Radio Dealers program.

KFXF, Colorado Springs, Colo. (250m-1200kc), 8:30 p. m., musical selections; 8:45-9, educational talk.

KOA, Denver, Colo. (322.4m-930kc), 12:15 p. m., Rialto theater musicale; 6:30, dinner concert, Brown Palace string orchestra, Howard Tillotson, director; 7:30, sandman's hour; 8, Radio instruction in conversational Spanish, Prof. Amanda Lopez Knecht, conductor; 8:30, instrumental program; Scheuerman's Colorado orchestra; 8:45, miscellaneous music, KOA orchestra and assisting soloists; 9, voice culture, John C. Wilcox, director; 9:30, miscellaneous music, KOA orchestra and assisting soloists.

KOB, State College, N. Mex. (348.6m-860kc), 7:30-8:30 p. m., "Important Small Grain Crops in the Rotation under Irrigated Conditions," W. T. Conway; "The Management of Sows at Farrowing Time," W. F. Dickson.

Pacific Time Stations

KFI, Los Angeles, Calif. (468.5m-640kc), 5:30-6 p. m., Owen Fallon's Californians; 6, nightly doings; 6:15, KFI's Seeing California; 6:30, vest pocket program, 6:45, Radiotorial period; 7-8, screen artists string quartet; 8-9, program arranged by Sylvia Knah, violinist; 9-10, program, Walter M. Murphy Motors company, broadcast simultaneously by KFI and KPO, Pryor Moore's concert orchestra; Virginia Flohri, soprano; Ivan Edwards, tenor; 10-11, Al Wesson and his dance orchestra.

KFON, Long Beach, Calif. (233m-1290kc), 6-6:45 p. m., organ, Brayton's theater; 6:45-7:15, KFON gossip and amusement information; 8-9, community sing program, Municipal auditorium; 9-11, Echophone artists frolic.

KFWB, Hollywood, Calif. (252m-1190kc), 5-6 p. m., children's hour, Big Brother of KFWB; 7-7:30 p. m., program, Osborne, Kelsey company; 7:30-8 p. m., program, Dr. Ralph Mitchell and the Associated Dentists; 8-9, Bill Hatch's Oakmont Country club dance orchestra; Dan Gridley, tenor; Ashley Sisters, 10-11, Warner Brothers frolic, direction Charlie Wellman.

KGO, Oakland, Calif. (361.2m-830kc), 7:15-7:30 a. m., health training exercises, Hugh Barrett Dobbs; 7:45, pep class; 8:30, "Daily Strength"; 11:30-1 p. m., Pacific States Electric company luncheon concert; 3-4, musical program; 5:30-6, Aunt Betty stories and KGO Kiddies' Klub, Ruth Thompson; 6-6:55, dinner concert; 8, educational program; music, Arion trio; boys' and girls' clubs, W. R. Ralston; chats about new books, Joseph Henry Jackson; "Better English," Wilda Wilson Church; "The Worst Boy I Ever Knew," Dr. Albertine Richards Nash; "Short Story Writing," Rebecca N. Porter.

KGW, Portland, Ore. (491.5m-610kc), 12:30-1:30 p. m., Oregon Radio Trades association; 6-7, dinner concert, Olds, Wortman and King company; 8-9, concert, Willys-Overland Pacific company; 9-10, concert.

KLX, Oakland, Calif. (508.2m-590kc), 4-5 p. m., women's hour; 5-5:30, Aunt Elsie's sunset matinee; 6:30-7, Athens Athletic club orchestra; 8-9, studio program; 9-10:30, meeting of the Protective Order of Lake Merritt Ducks.

KMTR, Hollywood, Calif. (233m-1260kc), 5-6 p. m., home hour, Mammy Simmons, Walter Benson, Helen Frances Levy, Billy Henderson, Betty McKay; 7:15, Y. M. C. A. program; 8-10, the Turner orchestra, Loren Powell, director; 10-11 p. m., Starr Piano company studio.

KNX, Hollywood, Calif. (336.9m-890kc), 5-5:30 p. m., Sunny Jim's story; 5:30, First Presbyterian church organ; 5:55, Town Tattler; 6:15, travel talk, W. F. Alder; 6:30-7, Atwater Kent concert orchestra; 7-7:30, Mutual Motors mirth contest; 7:30-8, studio program; 8-9, program, L. W. Stockwell company; 9-10, program, Listenwalter & Gough; 10-11, Goodrich Silvertown Cord dance orchestra, Lilyan May Challenger, contralto; 11-12, Ambassador hotel dance orchestra.

KOAC, Corvallis, Ore. (280.2m-1070kc), 6:50 p. m., musical selections; 7, agricultural question box; 7:10, "Growing Heavier Fleeces," H. A. Lindgren; 7:30, "Certification of Seed Potatoes," E. R. Jackman; 7:45-8, "The Boys' and Girls' club program for 1926," H. E. Seymour.

Index to Farmers' Programs

Farmer Dinner Concerts

Daily Except Sunday

CENTRAL TIME

KFNF, 12:15-1:35 p. m.
KMA, 12:30-1:30 p. m.
KSO, 12:30-1:30 p. m.
WLS, 12 noon.

Saturday, January 30

Eastern	Central	Mountain	Pacific
1:45 p. m.	12:45 p. m.	11:45 a. m.	10:45 a. m.

WOI (270m-1110kc) Soils, questions and answers.

8	7	6	5

KDKA (309.1m-970kc) Farm program.

Sunday, January 31

Eastern	Central	Mountain	Pacific
3:30 p. m.	2:30 p. m.	1:30 p. m.	12:30 p. m.

WFAA (475.9m-630kc) Sunday hour for farmers.

Monday, February 1

Eastern	Central	Mountain	Pacific
1:15 p. m.	12:15 p. m.	11:15 a. m.	10:15 a. m.

WOC (483.6m-620kc) Tankage Is Good for the Unborn Pig.

1:35	12:35	11:35	10:35

KSAC (340.7m-880kc) Certified Potato Seed. Ground Hog Day.

1:45	12:45	11:45	10:45

WOI (270m-1110kc) Dairy Production.
WMAQ (447.5m-670kc) Radio farm school.

2	1	12 n.	11

KFKX (288.3m-1040kc) Tankage Is Good for the Unborn Pig.

7	6	5	4

WGY (379.5m-790kc) Agricultural program.

7:15	6:15	5:15	4:15

WKAR (285.5m-1050kc) Farm school.

7:45	6:45	5:45	4:45

WSOE (246m-1220kc) Hog Raising.

8:15	7:15	6:15	5:15

KSAC (340.7m-880kc) Sorghums as Feed for Beef Cattle.

8:30	7:30	6:30	5:30

KFMQ (299.8m-1000kc) Farmers' night. Prepare for a Permanent Pasture. Cotton Diseases.
WMC (499.7m600kc) Talk.
WOI (270m-1110kc) Automobile Troubles and Their Diagnosis.

8:45	7:45	6:45	5:45

WCCO (416.4m-720kc) Farm lecture.

9:05	8:05	7:05	6:05

KFAB (340.7m-880kc) Legume Crops for Soil Improvement. Pruning the Grape.

9:30	8:30	7:30	6:30

KOB (348.6m-860kc) Important Small Grain Crops in the Rotation under Irrigated Conditions. Sow Management at Farrowing Time.

10	9	8	7

KOAC (280.2m-1070kc) Agricultural question box. Growing Heavier Fleece.

10:30	9:30	8:30	7:30

KOAC (280.2m-1070kc) Certification of Seed Potatoes.

Tuesday, February 2

Eastern	Central	Mountain	Pacific
10 a. m.	9 a. m.	8 a. m.	7 a. m.

WOI (270m-1110kc) Haying Machinery.

11:30	10:30	9:30	8:30

KFAB (340.7m-880kc) How the Chick Is Formed.

1:15 p. m.	12:15 p. m.	11:15	10:15

WOC (428.3m-620kc) How to Manage an Incubator.

1:35	12:35	11:35	10:35

KSAC (340.7m-880kc) Kanota Summarized. The Boy Crop.

1:45	12:45	11:45	10:45

WMAQ (447.5m-670kc), Radio farm school.
WOI (270m1110kc) Animal Husbandry, questions and answers.

2	1	12 n.	11

KFKX (288.3m-1040kc) How to Manage an Incubator.

8	7	6 p. m.	5 p. m.

KSAC (340.7m-880kc) Ayrshire and Holstein Cattle in Kansas. Feeeding the Sow and Litter.
WEAO (293.9m-1020kc) Farmers' week poultry program.

7:15	6:15	5:15	4:15

WKAR (285.5m-1050kc) Meat Inspection. Nutritional Requirements of Growing Chicks.

7:45	6:45	5:45	4:45

WKAR (285.5m-1050kc) Types and Breeds of Beef Cattle.

8	7	6	5

WOC (483.6m-620kc) Feeding Plans Which Will Make the Dairy Cow Pay a Profit.

Wednesday, February 3

Eastern	Central	Mountain	Pacific
11 a. m.	10 a. m.	9 a. m.	8 a. m.

WOI (270m-1110kc) Trend of the Horse Industry.

1:15 p. m.	12:15 p. m.	11:15	10:15

WOC (483.6m-620kc) Dairy day. Refilling the Silo.

1:35	12:35	11:35	10:35

KSAC (340.7m-880kc) Selection and Care of Breeding Flock. Pruning Apple Trees Before They Bear.

1:45	12:45	11:45	10:45

WMAQ (447.5m-670kc) Radio farm school.
WOI (270m-1110kc) Poultry husbandry.

2	1	12 n.	11

KFKX (288.3m-1040kc), Dairy day.

3:45	2:45	1:45 p. m.	12:45 p. m.

WOI (270-1110kc) Influence of Sunlight on Hatchability of Eggs.

7:15	6:15	5:15	4:15

WKAR (285.5m-1050kc) Training the Young Fruit Tree. Economy and Efficiency in Spraying.

9:05	8:05	7:05	6:05

KFAB (340.7m-880kc) Factors Affecting Gasoline Mileage of Automobiles. Our Future Beef Supply.

Thursday, February 4

Eastern	Central	Mountain	Pacific
10 a. m.	9 a. m.	8 a. m.	7 a. m.

WOI (270m-1110kc) Red Clover.

1:15 p. m.	12:15 p. m.	11:15	10:15

WOC (483.6m-620kc) Legume day. What Folks Say About It.

1:35	12:35	11:35	10:35

KSAC (340.7m-880kc) Serious Soil Problems. Brambles to Include in the Nursery Order.

1:45	12:45	11:45	10:45

WMAQ (447.5m-670kc) Radio farm school.
WOI (270m-1110kc) Farm crops.

2	1	12 n.	11

KFKX (288.3m-1040kc) What Folks Say About It.
WOI (270m-1110kc) Minerals and Sunshine for Hogs.

Eastern	Central	Mountain	Pacific
3 p. m.	2 p. m.	1 a. m.	12 n.

WOI (270m-1110kc) New Facts in Dairy Cattle Feeding.

7:15	6:15	5:15	4:15 p. m.

WKAR (285.5m-1050kc) Raising the Dairy Calf. Developing the Dairy Heifer.

9	8	7	6

WEAO (293.9m-1020kc) How to Select the Breeding Flock.

9:30	8:30	7:30	6:30

KOA (322.4m-930kc) Farm question box.

Friday, February 5

Eastern	Central	Mountain	Pacific
10 a. m.	9 a. m.	8 a. m.	7 a. m.

WOI (270m-1110kc) 1926 Crop Problems.

1:15 p. m.	12:15 p. m.	11:15	10:15

WOC (483.6m-620kc) Special farm service day.

1:35	12:35	11:35	10:35

KSAC (340.7m-880kc) The Sweet Clover Seedbed. Control of Round Worms in Poultry.

1:45	12:45	11:45	10:45

WOI (270m-1110kc) Agricultural Economics.

2	1	12 n.	11

KFKX (288.3m-1040kc) Special Farm Service day.
WMAQ (447.5m-670kc) Radio farm school.

7:15	6:15	5:15 p. m.	4:15 p. m.

WKAR (285.5m-1050kc) Wheat and Chaff. Farmers' week, announcements. Corn and Potato Crop Winners.

8:45	7:45	6:45	5:45

WCCO (416.4m-720kc) Farm lecture.

Markets and Weather

Daily Except Sunday

Eastern	Central	Mountain	Pacific
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.

WFAA (475.9m-630kc) Markets.
WOAW (526m-570kc) Markets.

9:45	8:45	7:45	6:45

KDKA (309.1m-970kc) Livestock, grain.

10	9	8	7

WLS (344.6m-870kc) Livestock, markets, fruit.
WOS (440.9m-680kc) Hogs.

10:30	9:30	8:30	7:30

KFKX (288.3m-1040kc) Livestock, fruit, vegetables, hogs.
KTCL (305.9m-980kc) Weather, sheep, quotations.
WFAA (475.9m-630kc) Markets.
WOI (270m-1110kc) Weather.

10:45	9:45	8:45	7:45

WCCO (416.4m-720kc) Markets.
WMC (499.7m-600kc) Weather, markets.

11	10	9	8

WBAP (475.9m-630kc) Markets, quotations.
WOS (440.9m-680kc) Weather, hogs.

11:15	10:15	9:15	8:15

WTAG (268m-1120kc) Markets, weather.

11:30	10:30	9:30	8:30

KFKX (288.3m-1040kc) Weather, fruit, vegetables.
WCCO (416.4m-720kc) Markets.
WEAR (389.4m-770kc) Markets, weather.

11:45	10:45	9:45	8:45

WAAW (384.4m-780kc) Livestock, butter, eggs.

12 n.	11	10	9

KDKA (309.1m-970kc) Weather, livestock, grain.
WBAP (475.9m-630kc) Weather, cattle, grain.
WEAR (389.4m-770kc) Markets, weather.
WHAD (275m-1090kc) Weather, markets.
WLS (344.6m-870kc) Poultry, dairy, hogs, sheep.
WOS (440.9m-680kc) Livestock, poultry, eggs, grain.

12:30 p. m.	11:30	10:30	9:30

KFKX (288.3m-1040kc) Livestock, fruit, vegetables, dairy.
WEAR (384.4m-780kc) Markets, weather.
WFAA (475.9m-630kc) Markets.

1	12 n.	11	10

WBAP (475.9m-630kc) Markets.
WHT (238m-1260kc) Fruit, weather.
WOS (440.9m680kc) Livestock, weather.

1:05	12:05 p. m.	11:05	10:05

KMA (252m-1190kc) Markets and weather.

1:30	12:30	11:30	10:30

KTHS (374.8m-800kc) Markets, weather.
WFAA (475.9m-630kc) Markets.
WOAW (526m-570kc) Markets.
WOI (270m-1110kc) Weather, livestock.

1:35	12:35	11:35	10:35

KPO (428.3m-700kc) Butter, eggs, cheese, poultry.

1:45	12:45	11:45	10:45

KOA (322.4m-930kc) Weather, roads, livestock, poultry.

2	1	12 n.	11

WOC (483.6m-620kc) Weather, grain, livestock, dairy.
WOS (440.9m-680kc) Grain.

2:15	1:15	12:15 p. m.	11:15

WAAW (384.4m-780kc) Grain markets.

2:30	1:30	12:30	11:30

WCCO (416.4m-720kc) Markets, weather.
WFAA (475.9m-630kc) Markets.

3	2	1	12 n.

WLS (344.6m-870kc) Livestock, grain, dairy, fruit, vegetables.
WOS (440.9m-680kc) Livestock, markets, grain.

3:30	2:30	1:30	12:30 p. m.

WFAA (475.9m-630kc) Markets.
WMC (499.7m-600kc) Markets, weather.

3:50	2:50	1:50	12:50

WWJ (352.7m-850kc) Weather, markets.

4	3	2	1

KFKX (288.3m-1040kc) Livestock, wool.
WCCO (416.4m-720kc) Markets.
WCX (516m-580kc) Stocks and grain.

4:30	3:30	2:30	1:30

WEAR (389.4m-770kc) Markets, weather.
WFAA (475.9m-630kc) Markets.

5:50	4:50	3:50	2:50

WDAF (365.6m-820kc) Markets, weather, road reports.
WHAS (399.8m-750kc) Markets.

6:30	5:30	4:30	3:30

KSAC (340.7m-880kc) Markets.

6:45	5:45	4:45	3:45

WIP (508.2m-590kc) Livestock, markets.

6:50	5:50	4:50	3:50

WHAD (275m-1090kc) Markets.

7:30	6:30	5:30	4:30

KMA (252m-1190kc) Markets and weather.
KSAC (340.7m-880kc) Market review.

7:45	6:45	5:45	4:45

KFWA (261m-1150kc) Market reports.

8	7	6	5

KFKX (288.3m-1040kc) Markets.
KOA (322.4m-930kc) Sheep, markets, livestock, poultry.

9	8	7	6

WAAW (384.4m-780kc) Marketgrams and talks.

11	10	9	8

WCCO (416.4m-720kc) Weather, grain.

KPO, San Francisco, Calif. (428.3m-700kc), 1-2 p. m., Rudy Seiger's Fairmont hotel concert orchestra; 2:30-3:30, matinee program; 5:15-6:15, children's hour 6:40-7, Waldemar Lind and States restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel orchestra; 8-9, organ recital, Uda Waldrop; 9-10, program, presented for the Walter Murphy Motors company; 10-11, Cabira cafe orchestra, Jack Coakley, director.

KTAB, Oakland, Calif. (240m-1250kc), 9-9:30 a. m., prayer service, Rev. E. L. Spaulding; 12-1 p. m., luncheon concert; 4-5, women's club notes; 8-10, program, Western States Life Insurance company.

KWSC, Pullman, Wash. (348.6m-860kc), 7:30-9 p. m., violin solos, Olga Kraus; vocal solos, Agnes Dilts; piano solos, Lucille Aiken; "Psychology of Efficiency," Dr. F. F. Nalder; farm situation, R. M. Turner.

WANDERING MINSTRELS, LIT

Inde

Saturday, Ja

Eastern	Central	
7:30 p. m.	6:30 p. m.	
WFAA.		
8	7	
WAMD, WLS.		
9	8	
WBBM, WEAF, WENR, WNYC.		
10	9	
KFAB, KPRC, WBBM, WMBB, WREO.		
11	10	
KFVE, KFWB, KNX, K WOK, WQJ, WRC.		
12	11	
KNX KOIL, KPO, KPRC, WOK, WQJ.		
1 a. m.	12 m.	
KFWB, WDAF, WBBM, WQJ, WSAI.		
2	1 a. m.	
KNX, WBBM, WENR, W		

Sunday, Ja

Eastern	Central
9 p. m.	8 p. m.
WBBM.	
10	9
WBBM, WMBB.	
11	10
WMBB.	
12	11
KNX, KTHS.	
1 a. m.	12 m.
KFWB, WBBM.	
2	1 a. m.
KFWB.	

Monday, Fe

Eastern	Central
7 p. m.	6 p. m.
WBBM, WFAA, WOAW.	
8	7
WGBS.	
9	8
WCAU, WEAF, WGR, W	
10	9
KFAB, WGR, WKRC, V WSOE.	
11	10
KFAB, KFVE, WOK.	
12 m.	11
KLX, KNX, KOIL, WA	
1 a. m.	12 m.
KFWB, KLX, WAHG, WOK.	
2 a. m.	1 a. m.
KFWB.	

Tuesday, F

Eastern	Central
7 p. m.	6 p. m.
WMCA, WOAW.	
8	7
WBBM, WEAR.	
9	8
WBBM, WEAR, WBZ, W	
10 p. m.	9 p. m.
WBBM, WMBB, WOAW.	

Monday, Fe

9:45 p. m.	8:45 p. m.
WMC (499.7m-600kc) Cortese	
10	9
KPRC (286.9m-1010kc) Cycle	
KTHS (374.8m-800kc) Novelt	
WEAF (491.5m-610kc), W WTAG, WCAE, WSAI, "	
11	10
KOA (322.4m-930kc) Voice	
11:15	10:15
WOC (483.6m-620kc) Mendel	

Monday, silent night for:
CNRM, CNRO, CNRR, CNRT, KFDM, KFEQ, KFMQ, KFMJ KYW, PWX, WBBM, WBCN, WEBH, WEBJ, WEBW, WENR, WHAS, WHT, WIBO, WIP, WJAZ, WLIB, WLS, WMAQ, WMBB, WOAI, WORD, WQJ, WRC, WREO.

Eastern Time Stations

CKAC, Montreal, Can. (410.7m-730kc), luncheon concert.

CKNC, Toronto, Can. (356.9m-840kc), 8-11 Little symphony orchestra, Charles Bodl Verdi mixed quartet; Madeline Bell, s McQuillan, contralto; Lawrence De Foe, Smith, bass.

WAFD, Port Huron, Mich. (275m-1090kc), studio program, dance orchestra.

WAHG, Richmond Hill, N. Y. (315.6m-9 p. m., Grebe matinee trio; 7:30, "Crazy Alden Carpenter; Maude Mason, pianist; phase trio; 9, Marie Nicholson, soprano; l looss, pianist; 10:20, Joe Zimmerman's c dance music.

WBAL, Baltimore, Md. (246m-1220kc), 6- "The Happy Prince and Other Happy Pe Knox; 6:30-7:30, WBAL dinner orches Peabody Conservatory of Music; Frederick organist; 8-9, Marion McFall Kaye, sopra Oppenheim, pianist; Walter N. Linthicu 9-9:10, Dr. Hugh H. Young; 9:10-10, E Arnold, contralto; Robert Lee, violinist; Hihn, tenor.

WBBR, New York, N. Y. (273m-1100kc) Irene Kleinpeter, soprano; 8:10, world 8:20, vocal duets, Irene Kleinpeter and 8:30, Bible instruction; 8:40, Fred F 8:50, vocal duets.

WBZ, Springfield, Mass. (333.1m900kc), Little Symphony orchestra; 7, "Theatri Samuel Wren; 7:30, Rene Dagenais, organ tol theater orchestra; 8:30, S. A. I. sororit Drum corps; 9:30, WBZ Radio Movie clu

WCAE, Pittsburgh, Pa. (461.3m-650kc), Gold Medal talk; 12:30 p. m., news, 1 6:30, dinner concert, William Penn hote orchestra; 9, studio concert, Mae R. I grand opera.

WCAP, Washington, D. C. (468.5m-640kc a. m., Tower health exercises, WEAF; Washington Post hour; A. and P. Gyp. opera, WEAF.

WCAU, Philadelphia, Pa. (278m-1080kc), 7:30 p. m. concert by N. Snellenburg and company; 8, Carolyn Thomas, soprano; Ella Jaquette Kratz, pianist; 8:45, Barry O'Moore and $37 American Radio trio; 9:30, The Monday Nighters; 10, Kathryn Figthorne, contralto, Virginia Klein, pianist; 10:30, Parodians dance orchestra.

WCX, Detroit, Mich. (516.9m-580kc), 4 p. m., news and markets; 6, dinner concert, Book-Cadillac hotel; 8, studio program.

WEAF, New York, N. Y. (491.5m-610kc), 10:45 a. m., Betty Crocker; 11:05, music; 11:15, talk; 11:30, Shanley's orchestra; 11:30, Silver Slipper orchestra, 12-12:30 a. m., Parody orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:45 a. m., setting-up exercises; 7, setting-up exercises; 1 p. m., Gimbel tea room orchestra; 3, artist recital, Skibinsky studio; Chas. D. Long, basso, Flora Ripka, accompanist; 3:45, mental hygiene talk; 4, market hints to housewives; 6:05, Benjamin Franklin hotel concert orchestra; 7, Uncle Wip's bedtime stories; dancing lessons, Miller Conservatory of Dancing.

KMA, Shenandoah, Iowa (252m-1190kc), 9-9:45 a. m., music; current topics, G. H. Van Houten; 11:30-12:30, noonday rural program; travelogue, G. H. Van Houten; music; seed talk, Earl E. May; musical saw, J. A. Showers; 6-7, Pollyana stories, Mrs. Dwight Nickols; music; 9-11, Farnham trio; How-Do-You-Do Boys; Grady and Doc.

KPRC, Houston, Tex. (296.9m-1010kc), 12 m., Frank Tilton, blind boy pianist; 5:30 p. m., Uncle Judd's kiddies' hour; 7:30, Malon Gunn's dance orchestra; luncheon concert, Drake concert ensemble and Edward Benedict, organist; 2:30-3, Lyon and Healy, artists; 3:25-3:30, Port o' Missing Men; 3:30-4:15, tea time music, Marshall Field's tea room orchestra; 4:30-5, organ recital, Edward Benedict; 5:30-5:57, Skeezix time; 6:30-7, dinner concert, Drake concert ensemble and Edward Benedict, organist.

WHAD, Milwaukee, Wis. (275m-1090kc), 11 a. m., pianologue, Andy Hertel; 4 p. m., Trixy Ann Troy, ukulele; 6:15-7, Bill Benning's Milwaukee Athletic

WANDERING MINSTRELS, LITTLE, HALL, RAY-O-VAC TWINS MEET AT WSAI

Index to Popular Concerts

Saturday, January 30

Eastern	Central	Mountain	Pacific	Stations
7:30 p. m.	6:30 p. m.	5:30 p. m.	4:30 p. m.	WFAA.
8	7	6	5	WAMD, WLS.
9	8	7	6	WBBM, WEAF, WENR, WGBS, WLS, WMAQ, WNYC.
10	9	8	7	KFAB, KPRC, WBBM, WENR, WGN, WLS, WMBB, WREO.
11	10	9	8	KFVE, KFWB, KNX, KTHS, WBBM, WMBB, WOK, WQJ, WRC
12	11	10	9	KNX, KOIL, KPO, KPRC, WBBM, WLS, WOAW, WOK, WQJ
1 a. m.	12 m.	11	10	KFWB, WDAF, WBBM, WEBH, WENR, WOK, WQJ, WSAI.
2	1 a. m.	12 m.	11	KNX, WBBM, WENR, WQJ.
11 p. m.	10 p. m.	9 p. m.	8 p. m.	KFVE, KFWB, KNX, WBBM, WHT, WMBB, WOK, WQJ.
12 m.	11	10	9	KNX, KOIL, KPO, WAMD, WBBM, WFAA, WKRC, WMC, WOK, WQJ.
1 a. m.	12 m.	11	10	KFWB, KNX, WFAA, WHT, WOAW, WOK, WQJ.
2	1	12 m.	11	KFWB, WQJ.

Sunday, January 31

Eastern	Central	Mountain	Pacific	Stations
9 p. m.	8 p. m.	7 p. m.	6 p. m.	WBBM.
10	9	8	7	WBBM, WMBB.
11	10	9	8	WMBB.
12	11	10	9	KNX, KTHS.
1 a. m.	12 m.	11 p. m.	10	KFWB, WBBM.
2	1 a. m.	12 m.	11	KFWB.

Monday, February 1

Eastern	Central	Mountain	Pacific	Stations
7 p. m.	6 p. m.	5 p. m.	4 p. m.	WBBM, WFAA, WOAW.
8	7	6	5	WGBS.
9	8	7	6	WCAU, WEAF, WGR, WKRC, WOK.
10	9	8	7	KFAB, WGR, WKRC, WMCA, WOAW, WOK, WSOE.
11	10	9	8	KFAB, KFVE, WOK.
12 m.	11	10	9	KLX, KNX, KOIL, WAMD, WHO, WOK.
1 a. m.	12 m.	11	10	KFWB, KLX, WAHG, WDAF, WHT, WKRC, WOK
2 a. m.	1 a. m.	12 m.	11	KFWB.

Tuesday, February 2

Eastern	Central	Mountain	Pacific	Stations
7 p. m.	6 p. m.	5 p. m.	4 p. m.	WMCA, WOAW.
8	7	6	5	WBBM, WEAR.
9	8	7	6	WBBM, WEAR, WBZ, WBB.
10 p. m.	9 p. m.	8 p. m.	7 p. m.	WBBM, WMBB, WOAW.

Wednesday, February 3

Eastern	Central	Mountain	Pacific	Stations
8 p. m.	7 p. m.	6 p. m.	5 p. m.	KFNF, WAHG, WEBJ, WEEI, WMCA.
9	8	7	6	WBBM, WEBJ, WGCP, WNYC.
10	9	8	7	KFAB, KPRC, WBBM, WGCP, WHO, WMBB.
11	10	9	8	KFAB, KFVE, KGW, KPO, KWSC, KYW, WBBM, WHN, WMBB, WOK, WQJ.
12 m.	11	10	9	KFWA, KFWB, KNX, KYW, WAMD, WOK, WQJ, WSAI.
1 a. m.	12 m.	11	10	KNX, KYW, WBBM, WHT, WOK, WQJ.
2	1 a. m.	12 m.	11	KFWB, KNX, WBBM, WOK, WQJ.

Thursday, February 4

Eastern	Central	Mountain	Pacific	Stations
8 p. m.	7 p. m.	6 p. m.	5 p. m.	WCAE, WEAF, WJAR, WMC, WOC, WSAI.
9	8	7	6	WBBM, WHAD.
10	9	8	7	KMA, WBBM, WEEI, WHAD, WHN, WMBB, WMC, WNYC, WOAW, WSOE.
11	10	9	8	KHJ, KMA, KYW, WBBM, WMBB, WOK, WQJ.
12 m.	11	10	9	KHJ, KTAB, KOIL, WBBM, WDAF, WEAA, WKRC, WOC, WOK, WQJ.
1 a. m.	12 m.	11	10	KFWB, KHJ, WHT, WOK, WQJ.
2	1 a. m.	12.m.	11	KNX, WQJ.

Friday, February 5

Eastern	Central	Mountain	Pacific	Stations
8 p. m.	7 p. m.	6 p. m.	5 p. m.	WGCP, WJR.
9	8	7	6	WAMD, WBBM, WGR, WLS.
10	9	8	7	KFAB, WBBM, WMC, WDAF, WHAD, WMBB, WOAW, WSOE.
11	10	9	8	KFVE, KFWA, KHJ, KLX, KYW, WMBB, WOK, WQJ.
12 m.	11	10	9	KFWB, KHJ, KNX, KOIL, WAMD, WMC, WOK, WQJ.
1 a. m.	12 m.	11	10	KFWB, KHJ, WDAF, WHT, WOK, WQJ.
2	1 a. m.	12 m.	11	KNX, WQJ.

The three pretty ladies above, comprise the Grebe matinee trio which broadcasts every Monday and Thursday noon at WAHG, Richmond Hill. In the left corner is Alline Fentress, violinist, at WSM, Nashville, Tenn. The gentleman at the right, is the new voice culture teacher at KOA, Denver. John C. Wilcox, widely recognized as a vocal master and authority, will give his first lesson Monday.

Monday, February 1

Eastern	Central	Mountain	Pacific
9:45 p. m.	8:45 p. m.	7:45 p. m.	6:45 p. m.

WMC (499.7m-600kc) Cortese ensemble.

10	9	8	7

KPRC (296.9m-1010kc) Cycle of songs, old and new.
KTHS (374.8m-800kc) Novelty night.
WEAF (491.5m-610kc), WOO, WJAR, WCAP, WTAG, WCAE, WSAI, "Barber of Seville."

11	10	9	8

KOA (322.4m-930kc) Voice Culture.

11:15	10:15	9:15	8:15

WOC (483.6m-620kc) Mendelssohn club.

Monday, silent night for: CNRA, CNRC, CNRE, CNRM, CNRO, CNRR, CNRT, CNRV, CNRW, KFAU, KFDM, KFEQ, KFMQ, KFMX, KFWA, KHJ, KLDS, KYW, PWX, WBBM, WBCN, WCAD, WCBD, WEAO, WEBH, WEBJ, WEBW, WENR, WGBS, WGES, WGN, WHAS, WHT, WIBO, WIP, WJAZ, WJJD, WKAQ, WLIB, WLS, WMAQ, WMBB, WOAI, WOC, WOK, WORD, WQJ, WRC, WREO.

Eastern Time Stations

CKAC, Montreal, Can. (410.7m-730kc), 1:45 p. m., luncheon concert.

CKNC, Toronto, Can. (356.9m-840kc), 8-11 p. m., CKNC Little symphony orchestra, Charles Bodley, director; Verdi mixed quartet; Madeline Bell, soprano; Ella McQuillan, contralto; Lawrence De Foe, tenor; Edgar Smith, bass.

WAFD, Port Huron, Mich. (275m-1090kc), 12-2 a. m., studio program, dance orchestra.

WAHG, Richmond Hill, N. Y. (315.6m-950kc), 12:02 p. m., Grebe matinee trio; 7:30, "Crazy Cat," John Alden Carpenter; Maude Mason, planist; 8, Synchrophase trio; 9, Marie Nicholson, soprano; 10:03, Walter Looss, pianist; 10:20, Joe Zimmerman's orchestra; 12, dance music.

WBAL, Baltimore, Md. (246m-1220kc), 6-6:30 p. m., "The Happy Prince and Other Happy People," Hazel Knox; 6:30-7:30, WBAL dinner orchestra; 7:30-8, Peabody Conservatory of Music; Frederick D. Weaver, organist; 8-9, Marion McFall Kaye, soprano; Elizabeth Oppenheim, pianist; Walter N. Linthicum, baritone; 9-9:10, Dr. Hugh H. Young; 9:10-10, Eugenia Earp Arnold, contralto; Robert Lee, violinist; Clarence L. Hihn, tenor.

WBBR, New York, N. Y. (273m-1100kc), 8 p. m., Irene Kleinpeter, soprano; 8:10, world news digest; 8:20, vocal duets, Irene Kleinpeter and Fred Franz; 8:30, Bible instruction; 8:40, Fred Franz, tenor; 8:50, vocal duets.

WBZ, Springfield, Mass. (333.1m900kc), 6:30 p. m., Little Symphony orchestra; 7, "Theatrical Gossip," Samuel Wren; 7:30, Bene Dagenais, organist; 8, Capitol theater orchestra; 8:30, S. A. I. sorority; 9, Aleppo Drum corps; 9:30, WBZ Radio Movie club.

WCAE, Pittsburgh, Pa. (461.3m-650kc), 10:45 a. m., Gold Medal talk; 12:30 p. m., news, library news, 6:30, dinner concert, William Penn hotel; 8, Nixon orchestra; 9, studio concert, Mae R. DeBlasio; 10, grand opera.

WCAP, Washington, D. C. (468.5m-640kc), 6:45-7:45 a. m., Tower health exercises, WEAF; 6-11 p. m., Washington Post hour; A. and P. Gypsies, grand opera, WEAF.

WCAU, Philadelphia, Pa. (278m-1080kc), 7:30 p. m., concert by N. Snellenburg and company; 8, Carolyn Thomas, soprano; Ella Jaquette Kratz, pianist; 8:45, Barry O'Moore and $37 American Radio trio; 9:30, The Monday Nighters; 10, Kathryn Figthorne, contralto, Virginia Klein, pianist; 10:30, Parodians dance orchestra.

WCX, Detroit, Mich. (516.9m-580kc), 4 p. m., news and markets; 6, dinner concert, Book-Cadillac hotel; 8, studio program.

WEAF, New York, N. Y. (491.5m-610kc), 10:15 a. m., Betty Crocker; 11:05, music; 11:15, talk; 11:30, "Physical Care of Infants," Columbia university; 2:30 p. m., Mrs. George E. Owens; 4:30, Ben Gordon, tenor; 4:45, talk; 6, Waldorf-Astoria; 7, Columbia university lecture; 7:20, Iris Torn, pianist; 7:30, lullaby lady; 8, pop concert, WEAF, WOO; 8:30, Coal Miners trio; 8:15, tower health talk, WEAF, WEEI, WCAP; 9, A. and P. Gypsies, WEAF, WEEI, WCAP, WWJ, WJAR, WOO, WSAI; 10, "Barber of Seville," WEAF Grand Opera company, WEAF, WOO, WJAR, WCAP, WTAG, WCAE, WSAI, 11-12, Ben Bernie and his orchestra.

WEAO, Columbus, Ohio (293.9m-1020kc), 1:15 p. m., "Timely Economic Information for the Farmer," C. J. West; 1:30, music.

WEAR, Cleveland, Ohio (389.4m-770kc), 11 a. m., home service, 7, Allen theater orchestra.

WEEI, Boston, Mass. (348.6m-860kc), 6:45 a. m., tower health exercises; 7:45, morning watch, Estey organ studio; 6:15 p. m., Joe Rines and his Hunters' Cabin orchestra; 7, Big Brother club; 7:30, musical; 8, E. B. Rideout, meteorologist; 8:15, Black Iron Shiners; 8:45, tower health talk, WEAF; 9, A. and P. Gypsies, WEAF; 10, Scotty Holmes and his orchestra; Imperial Marimba band.

WFI, Philadelphia, Pa. (394.5m-760kc), 10:30 p. m., Betty Crocker; 10:40, solos; 1 p. m., Tea Room ensemble; 3, Mrs. J. M. Camp, soprano; Caroline Sharp, pianist; Louis Pearlmann, violinist; Dr. J. G. Rogers, Science Man of the Orient; 6:30, Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra.

WGBS, New York, N. Y. (315.6m-950kc), 10 a. m., timely talks; 10:10, 10:30, 10:50, Bernard Kalkin, organist; 11:20, "Little Theaters," Dorothy Herzog; 11:40, fashion talk, Lillian Regan; 1:30, Bob Platz and Murray Miller, jazz pianists; 3, interview with Harry Archer and Harlan Thompson, musical comedy authors; Virgil Forrest, pianist; 6, Uncle Geebee, 6:30, Premier club orchestra.

WGCP, New York, N. Y. (252m-1190kc), 1 p. m., race results; 3, Ona Welsh, pianist; 3:20, LeRoy Montenanto, tenor; 3:35, Eva Rothenberg, pianologist; 3:45, studio program; 4:30, Uncle Robert and his pals; 8:30, Perry Bradford and his Cotton Belt quartet; 8:50, talk to boys, Philip Wolf; 9, Loomis orchestra; 9:30, Mario Kalla, soprano; Alexander Kallo, violinist in Hungarian program; 10, Bob Ward and the three little Wards; 10:30, Strickland's orchestra.

WGHP, Detroit, Mich. (270m-1110kc), 6 p. m., dinner concert, Hotel Tuller; 7, farm program; 9, classical concert; Little Symphony orchestra; Cameron McLean, baritone; Mabel Howe, pianist; Lucille Burke, soprano; T. Stanley Perry, tenor.

WGR, Buffalo, N. Y. (319m-940kc), 2:30 p. m., WGR's afternoon program; 6:30, Revellers orchestra; 8:15, Evelyn Fossum, soprano; 9, popular program, Wheat's Ice Cream company; 10, popular program, Ethel Johnson and associates; 11-1 a. m., Vincent Lopez' Hotel Statler dance orchestra, Harold Gleser, director, and Arthur Meigler at the organ.

WGY, Schenectady, N. Y. (379.5m-790kc), 2 p. m., Asia restaurant orchestra; 2:30, music; household talks, cooking lesson, Jessie B. Lane; "From Rags to Rugs," Merle Pinkston; 6:30, dinner music, Hotel Van Curler; 7, agricultural program, addresses; 7:45, Hebrew music; Lillian Rosenthal, Levitt, soprano; "Literary Appreciations," William L. Widdemer.

WHAR, Atlantic City, N. J. (275m-1090kc), 2 p. m., Seaside hotel trio; 7:30, talk; dance orchestra.

WHN, New York, N. Y. (361.2m-830kc), 6-6:30 p. m., Littman's dinner music; 6:30-6:45, Daddy Dingle and his Jingle Box; 6:45-7, Littman's dinner music, 7-7:30, Marlboro State trio; 7:30-8, Joe Ward's Swanee entertainers; 8-8:05, Storage Battery talk; H. B. Shontz; 8:05-8:30, Roseland dance orchestra; 10-10:30, Shanley's orchestra; 11:30, Silver Slipper orchestra, 12-12:30 a. m., Parody orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:45 a. m., setting-up exercises; 7, setting-up exercises; 1 p. m., Gimbel tea room orchestra; 3, artist recital, Skibinsky studio; Chas. D. Long, basso, Flora Ripka, accompanist; 3:45, mental hygiene talk; 4, market hints to housewives; 6:05, Benjamin Franklin hotel concert orchestra; 7, Uncle Wip's bedtime stories; dancing lessons, Miller Conservatory of Dancing.

WLIT, Philadelphia, Pa. (394.5m-760kc), 12:02 p. m., daily almanac; Stanley theater organ recital, Arcadia cafe concert orchestra; 2, Arcadia cafe concert orchestra; 4:30, recital; 7:30, Dream Daddy's bedtime stories; 8, recital; 9, movie picture review, Jas. Nassau; 9:10, Stanley Hour of Music; 10, Arcadia cafe dance orchestra; 10:30, Fay's Knickerbocker theater vaudeville features; 10:45, El Patio dance orchestra.

WMBF, Miami Beach, Fla. (384.4m-780kc), 7-9 p. m., Fleetwood Radio orchestra; 10-1 a. m., Gene Fosdick and his orchestra; Fleetwood Radio orchestra.

WNYC, New York, N. Y. (526m-570kc), 6:20 p. m., piano selections; 6:30, Elementary German lessons, V. Harrison Berlitz; 7, advanced German lessons; 7:35, dance orchestra; 8:15-9:15, violin and song recital; 9:30, banquet, New York county American Legion.

WOO, Philadelphia, Pa. (508.2m-590kc), 11 a. m., organ recital; 12:02 p. m., Golden's crystal tea room orchestra; 4:45, organ recital; 7:30, Ritz Carlton concert orchestra; 8, Pop concert; 9, A. and P. Gypsies; 10, Grand opera, "Barber of Seville;" 11, Walter Miller's Ritz Carlton dance orchestra.

WOR, Newark, N. J. (405.2m-740kc), 2:30 p. m., Oreste's Queensland orchestra; 3:45-5, fashion talk, Dorothy Mines; 6:15, "Words Often Mispronounced"; 6:17, sports, Bill Wathey; 6:45, Jacques Jacobs' Hotel Shelton ensemble; 7:30-7:45, Katinka orchestra; 8, "Current Topics" lecture, H. V. Kaltenborn; 8:30-9:15, Al Reid's hour; 9:30-9:45, Serenaders; 10:10-10:30, Serenaders; 11-12 midnight, Irving Aronson's Crusaders.

WRC, Washington, D. C. (468.5m-640kc), 10 a. m., women's hour, WJZ; 12, organ recital, Homer L. Kitt studios; 1 p. m., Shoreham hotel orchestra, Sidney Seidenman, director; 4:30, musical program.

WRVA, Richmond, Va. (256m-1170kc), 8-12 midnight, Hotel Jefferson orchestra; 9, travelog, Dr. Douglas Freeman; 9:10, U. S. Marine band.

WTAG, Worcester, Mass. (268m-1120kc), 10:30 a. m., musical selections; 10:45, talk, Marjorie Woodman; 12:05-2, luncheon music, WTAG, Will Hardy, director; 7, science talk, Fred D. Aldrich; 7:15, twilight scouts; 7:45, scout announcements, Joseph Wadleigh; 8, "Housing and Management of the Breeding Flock," W. C. Monahan; 9-10, Robin Hood hour of music, Arthur Crosbie, director; 10-11, grand opera, "Barber of Seville," WEAF.

WTAM, Cleveland, Ohio (389.4m-770kc), 12:15-1:15 p. m. Austin Wylie's Golden Pheasant orchestra; 6-7, Guy Lombardo and his Royal Canadians; 8-11, Willard symphony; 11-12, Austin Wylie's Golden Pheasant orchestra; 6-7, Guy Lombardo and his Royal Canadians; 8-11, Willard symphony; 11-12, Austin Wylie's Golden Pheasant orchestra; 12-1, Guy Lombardo and his Royal Canadians.

WTIC, Hartford, Conn. (475.9m-630kc), 11 a. m., talk; 11:25, music; 11:30, housewives' forum, Mrs. J. M. Dean; 12:05 p. m., luncheon music; 6:30, dinner music, Hub trio; 7:35, popular hits from "Too Many Brothers," Massachusetts Technical students; 8, concert, "Salle de Danse"; 9:30, dance music, Emil Heimberger's Hotel Bond orchestra; 10:30, Travelers Symphonic ensemble; Eric Tesche, tenor.

WWJ, Detroit, Mich. (352.7-850kc), 7:30-8 a. m., setting-up exercises, R. J. Horton; 9:30, "Tonight's Dinner"; talk, woman's editor; 10:45, home service talk, Betty Crocker; 12:05, Jules Klein's Hotel Statler orchestra; 3, Detroit News orchestra; 6, dinner concert; 8, News orchestra and soloists; A. and P. Gypsies.

Central Time Stations

CKY, Winnipeg, Can. (384.4m-780kc), 8 p. m., university lecture; 9, studio program; 11, weekly revue, Metropolitan theater.

KFAB, Lincoln, Nebr. (340.7m-880kc), 10:30 a. m., "An Important Foundation Stone of Health," Florence Atwood; 8:05 p. m., "Legume Crops for Soil Improvement," D. L. Gross; "Pruning the Grape," C. C. Wiggans; 8:30-10:30, Belshaw's orchestra; Cow Bell boys; Mike Kopec, pianist; Gloomy Gus, entertainer; Ed Ellington, original songbird; Harmony boys.

KFH, Wichita, Kans. (268m-1120kc), 9-10 p. m., entertainers, Kansas Milling company.

KFMQ, Fayetteville, Ark. (299.8m-1000kc), 7:30 p. m., farmers' program; farm filosofy, Cy Adams; "Bull Association Work," M. Sullivant; "Ground Hog Day," Lan T. Gray; "Profitable Rice Production," A. H. Prince; "What the 1925 Account Books Show," A. D. McNair; "Spring and Summer Wardrobe for the School Girl," Helen Hobbs; "Taking Out Stains," Ella Posey; 8, Lumda Chi orchestra.

KFRU, Columbia, Mo. (499.7m-600kc), 6:15 p. m., dinner program; 7, Radio school.

KFUO, St. Louis, Mo. (545.1m-550kc), 8 p. m., "The Young People and Their Money," Rev. G. Hilmer; music

KMA, Shenandoah, Iowa (252m-1190kc), 9-9:45 a. m., music; current topics, G. H. Van Houten; 11:30-12:30, noonday rural program; travelogue, G. H. Van Houten; music; seed talk, Earl E. May; musical saw, J. A. Showers; 6-7, Pollyana stories, Mrs. Dwight Nichols; music; 9-11, Farnham trio; How-Do-You-Do Boys; Grady and Doc.

KPRC, Houston, Tex. (296.9m-1010kc), 12 m., Frank Tilton, blind boy pianist; 5:30 p. m., Uncle Judd's kiddies' hour; 7:30, Malon Gunn's dance orchestra; 8:30, Bessie Griffiths, classical pianist; 9, Mrs. T. J. Harling, old and new songs; pioneer Radio entertainer.

KSAC, Manhattan, Kans. (340.7m-880kc), 9-9:25 a. m., music, inspirational talk, agricultural primer, calisthenics; 9:55, readings, backyard gossip; question box; planning today's meals; 12:35-1:05 p. m., readings, talks, question box; "Certified Potato Seed," D. R. Porter; "Ground Hog Day," A. E. Oman; 4:30-5, Third Year English literature, High School credit; 6:30-7:30, opportunity talks; book review; current events; Extension credit course, Sociology; Extension course, "Money Market and Agricultural," R. M. Green; "Sorghums as Feed for Beef Cattle," C. W. McCampbell.

KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., fur hour; artist recital, Mrs. Franklyn Knight, contralto; 9, artist concert, Mrs. Carroll Smith, soprano; Agnes Grey, violinist; Vernon Henshie, pianist.

KSO, Clarinda, Iowa (242m-1240kc), 12:30-1:15 p. m., farmer dinner concert; 7-7:30, music; farm talk; 7:30-9:30, Jean Stutesman, old-time music; Hay Mow Five contest.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 12:30-1 p. m., orchestra; 9-10, novelty night, Meyer Davis' soloists and orchestra; 10-11, Brick English and his novelty orchestra.

KYW, Chicago, Ill. (536m-560kc), 7:30 a. m., morning family worship; 11:35, table talk, Mrs. Anna J. Peterson; 1-2 p. m., Joshka DeBabary and his orchestra; Coon-Sanders orchestra; 6, dinner music, KDKA.

WAMD, Minneapolis, Minn. (244m-1230kc), 12 noon, Cecilia Dare, contralto; Bee Lowell, accompanist; Jack Leeman, clarinetist; Roy Nowack, banjoist; 6:30, WAMD traffic squad; 7:05, Garrick theater orchestra; 7:20, Ethel Vanderpool, soprano; Louise and Henry Cook, duet; Isabelle Olson, violinist.

WBAP, Fort Worth, Tex. (475.9m-630kc), 7:30 p. m., vocal concert; 9:30, Ward's Trail Blazers; 11, Majestic theater.

WBBM, Chicago, Ill. (226m-1330kc), 4-6 p. m., Valentino inn orchestra, artists; 6-7, Harold Anderson, piano-accordionist; WBBM string trio artists.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 10:45 a. m., "Fry in Deep Fat," Betty Crocker; 12 m., Donaldson's orchestra; 2 p. m., woman's hour; 2:30, afternoon concert; 4, readers' club, Mrs. Walter Stevens; 5:30, children's hour; 6:30, dinner concert, Gordon Cooke ensemble, Meta Ashwin Birnbach, soprano, Louise Lupien Jenkins, accompanist; 7:45, farm lecture; 8, University of Minnesota program; 9, classical concert.

WDAF, Kansas City, Mo. (365.6m-820kc), 10:45-11 a. m., Betty Crocker, home service talk; 6-7 p. m., the Tell-Me-a-Story lady; dialect readings, C. M. Ragan; The Trianon ensemble; 8-9:30, around the town with WDAF; 11:45-1 a. m., Carl Nordberg's Plantation players; selections, Ted Meyn, organist.

WOOD, Chattanooga, Tenn. (256m-1170kc), 6:30-7 p. m., organ music, Tivoli theater; 7-8, Hotel Patten orchestra; 8:15, special features and program.

WEBH, Chicago, Ill. (370.2m-810kc), 11:30-12 noon, woman's half hour; 3-4 p. m., special features.

WFAA, Dallas, Tex. (475.9m-630kc), 12:30-1 p. m., pathos, philosophy and fun; Edmund F. Boettcher, tenor; Viola Cassidy, pianist; 4:30-5, Cyrus Barcus, cornetist; Joseph Strother, pianist; 5:30-7:30, Artie Collins and his orchestra; 8:30-9:30, Sears-Roebuck Agricultural Foundation program.

WGN, Chicago, Ill. (302.8m-990kc), 10-11 a. m., public service period; 11-11:30, household hints; 12:40-2:30, luncheon concert, Drake concert ensemble and Edward Benedict, organist; 2:30-3, Lyon and Healy, artists; 3:25-3:30, Port o' Missing Men; 3:30-4:15, tea time music, Marshall Field's tea room orchestra; 4:30-5, organ recital, Edward Benedict; 5:30-5:57, Skeezix time; 6:30-7, dinner concert, Drake concert ensemble and Edward Benedict organist

WHAD, Milwaukee, Wis. (275m-1090kc), 11 a. m., planologue, Andy Hertel; 4 p. m., Trixy Ann Troy, ukulele; 6:15-7, Bill Benning's Milwaukee Athletic club orchestra; 8-10, Marquette university studio program.

WHAS, Louisville, Ky. (399.8m-750kc), 1-2 p. m., concert, Royal Peacock orchestra; 3-3:30, organ recital, Mrs. Myrtle Zahn; 4-5, Harry S. Currie's Music Box concert; readings; fashion talk, Peggy True.

WHO, Des Moines, Iowa (526m-570kc), 7:30-9 p. m., Paul Stoye, pianist and composer; Mrs. Percy Potter, soprano; Lenore Mudge, accompanist; Alex Lindblom, violinist; Cornelius Ahern, tenor; 11-12, Corn Sugar orchestra.

WHT, Chicago, Ill. (399.8m-750kc), 10 a. m., women's club program; Borden health talk; Helen Rauh, pianist; John Clark, baritone; 10:45, home service, Betty Crocker; 11, special features; 11:15, drama talks; 6, p. m., classical program; dinner organ recital, Al Carney; 6:40, Kitchen Klenzer entertainments.

WIBO, Chicago, Ill. (226m-1330kc), 10-11 a. m., shoppers' bureau, Grace Viall Gray; 2-4 p. m., Ted Florito, pianist; Dan Russo, violinist; Victor Young, violinist.

WKAF, Milwaukee, Wis. (261m-1150kc), 10-11 p. m., Helen Osmundsen, soprano; Leon Grieb, tenor; Viola Sontag, pianist.

WKAR, Lansing, Mich. (285.5m-1050kc), 7:15-7:30 p. m., "Homemade Confections," Osee Hughes; 7:30-7:45, "Short Cuts in Cleaning and Washing Dishes," Edna V. Smith and Irma Gross; 7:45-8, "Correct Way of Handling Woolen Materials," Anna Bayha.

WLS, Chicago, Ill. (344.6m-870kc), 12 m., R. F. D. program; 6 p. m., WLS studio trio; Ralph Emerson, organist.

WLW, Cincinnati, Ohio (422.3m-710kc), 7:30 a. m., healthful exercises, William Stradtman; 8, morning devotions, auspices of the Parkway Y. M. C. A.; 12:05 p. m., religious service, Rev. George H. Kase, pastor; 4, children's hour, young pupils from the Cincinnati College of Music; 7, dinner hour concert, Hotel Gibson orchestra, Robert Vinconti, director; 7:30, Y. M. C. A. basketball question box; 8, Times-Star program, Times-Star orchestra, featuring "An Evening of Serenades," William Kopp, musical director, soloist, William Hafford.

WMAQ, Chicago, Ill. (447.5m-670kc), 12:20 p. m., Junior Association of Commerce; 1, Radio farm school, 2, shut-in program; 4, mothers in council; 4:30, "Foibles of the Moment," Mrs. Graham Aldis; 4:35, Glenn Dillard Gunn School of Music; 5, children's games, Glenn Adams; 5:15, Topsy-Turvy time; 6, Chicago theater organ recital; 6:30, Hotel La Salle orchestra; 6:40, Family Altar league.

WMC, Memphis, Tenn. (499.7m-600kc), 8:45 p. m., Cortese ensemble.

WOAW, Omaha, Nebr. (526m-570kc), 12:45 p. m., Randall's Royal Fontenelle orchestra; 6, entertainment, 6:20, popular songs; 6:40, insurance talk, Daniel D. Mackin; 6:50, Randall's Royal Fontenelle orchestra; 9, classical.

WOC, Davenport, Iowa (483.6m-620kc), 12:15-12:25 p. m., "Tankage Is Good for the Unborn Pig," Prof. John M. Evvard; 3-3:30, Aunt Jane; 5:45-6, chimes.

WOI, Ames, Iowa (270m-1110kc), 12:45 p. m., dairy production, Prof. Earl Weaver; 1:30, "Charting the Course," Dean Anna Richardson; "Women as Citizens," Mrs. Pauline Lewelling Devitt; 4:30, "Health Talk," Dr. J. F. Edwards; 7:15, basketball game, Nebraska-Ames; 7:30, "Automobile Troubles and Their Diagnosis," G. I. Mitchell; 8, addresses, Dean C. F. Curtiss, Dean Anna E. Richardson, President R. A. Pearson.

WQJ, Chicago, Ill. (447.5m-670kc), 11-12 m., baking talk, "Spices Used in Your Kitchen," Maud Jacobs; 3-4 p. m., "Egg Dishes," Helen H. Downing; "The Care of the Hair and Skin During the Winter Months," Madame Huntingford.

WSAI, Cincinnati, Ohio (325.9m-920kc), 7 p. m., Wendall Hall; 7:30, Ray O'Vac Twins; 8, A. and P. Gypsies, WEAF; 9, grand opera, "Barber of Seville", 10-12, community program, Symphony orchestra and soloists.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., Biltmore hotel orchestra; 10:45, Vick Myers' orchestra.

WSM, Nashville, Tenn. (282.8m-1060kc), 6:30 p. m., concert, Francis Craig's orchestra; 7, bedtime story interlude; 8, Fisk student sextet and soloists, negro spirituals; 10, Christ church choir, F. Arthur Henkel, director; 11, Vito M. Pollettieri's orchestra.

WSUI, Iowa City, Iowa (483.6m-620kc), 12:30 p. m., Kenneth Forbes, cellist; address, "Phases of Astronomy"; program, Faculty of Speech department.

DANCING

Central Time

Saturday, January 30: 8, Wjr, Wsuo, Wpg; 8:30, Wfaa; 8:35, Wgy; 9, Webh, Weel, Wmbb, Wnyc, Wreo; 9:10, Kths, Wip; 9:30, Kths, Wgbs, Wor, Wrc; 10, Kfve, Kfwa, Koa, Kpo, Weaf, Wgn, Wjr, Wkrc, Wmca, Wnyc, Wor, Wqj, Wreo, Wtam; 10:05, Wcco; 10:30, Wamd; 10:45, Wls; 11, Kfdg, Kfwa, Kfwb, Kpo, Webb, Wfaa, Wgbu, Who, Woc; 11:30, Kfoa; 11:45, Wdaf; 12, Kfwa, Kgo, Kgw, Knx, Wgbu, Wjjd.

Monday, February 1: 8, Wgcp; 9, Weel, Wgbu, Wjar, Wor; 9:15, Wahg; 10, Kths, Wgbu, Wgcp, Wgr, Wnyc, Wpg; 10:15, Wor; 10:30, Kfoa, Wgcp, Whn; 11, Kgw, Koil, Wgbu, Wgcp, Wgr, Whn, Who; 11:45, Wdaf; 12, Knx, Kpo.

Tuesday February 2: 9, Webh, Wgbu, Wmbb; 9:30, Wcau, Wgbs, Wgy, Wip; 9:35, Wnyc; 10, Kfve, Wbbm, Weaf, Webh, Wgbu, Wgn, Whn, Wmca, Wnyc, Wpg; 10:15, Kths; 10:30, Kths, Whn; 10:45, Wsb; 11, Kgw, Koil, Wgbu, Whn; 11:30, Kfoa; 11:45, Wdaf; 12, Kgw, Khj, Knx, Kpo, Wdaf; 1, Whj.

Wednesday, February 3: 9, Wcx, Webh, Wgbu, Wgcp, Whn, Who, Wmbb, Wmca, Wtic; 9:15, Wahg; 9:30, Wbap, Who, Wor; 10, Kfve, Wbap, Weaf, Wgbu, Wgcp, Wqj; 10:05, Wcco; 10:30, Wbap, Whn; 11, Koil, Kpo, Webh, Wgbu, Wgcp, Wgr, Whn; 11:45, Wdaf; 12, Kfwa, Knx, Kpo, Wjjd.

Thursday, February 4: 8, Wjr; 9, Webh, Weel, Wgbu, Whn, Wjr, Wmbb, Wsai, Wtag; 9:05, Wbz, Wip; 9:30, Wgbs, Wgy, Whn; 9:35, Wnyc; 10, Kths, Wbbm, Weaf, Wgbu, Whn, Wmca, Wpg, Wqj; 10:30, Kths, Whn, Webh, Wgbu, Whn, Woc; 11:45, Wdaf; 12, Kgo, Khj, Knx, Kpo, Wjjd.

Friday, February 5: Wwj; 9, Wcx, Webb, Weel, Wgbu, Wgcp, Wmbb; 9:15, Wahg, 9:30, Wcau, Whn; 10, Kfve, Kpo, Kths, Wcau, Wgcp, Whn, Wgr, Wqj; 10:05, Wcco; 10:30, Wgcp, Whn; 11, Kfwb, Knx, Kpo.

Mountain Time Stations

CFAC, Calgary, Can. (435.8m-688kc), 8 p. m., Crescent quartet.

KFWA, Ogden, Utah (261-1150kc), 4-5 p. m., organ recital, Paramount theater; 5-6, Ogden Radio Dealers program.

KFXF, Colorado Springs, Colo. (250m-1200kc), 8:30 p. m., musical selections; 8:45-9, educational talk.

KOA, Denver, Colo. (322.4m-930kc), 12:15 p. m., Rialto theater musicale; 6:30, dinner concert, Brown Palace string orchestra, Howard Tillotson, director; 7:30, sandman's hour; 8, Radio instruction in conversational Spanish, Prof. Amanda Lopez Knecht, conductor; 8:30, instrumental program; Scheuerman's Colorado orchestra; 8:45, miscellaneous music, KOA orchestra and assisting soloists; 9, voice culture, John C. Wilcox, director; 9:30, miscellaneous music, KOA orchestra and assisting soloists.

KOB, State College, N. Mex. (348.6m-860kc), 7:30-8:30 p. m., "Important Small Grain Crops in the Rotation under Irrigated Conditions," W. T. Conway; "The Management of Sows at Farrowing Time," W. F. Dickson.

Pacific Time Stations

KFI, Los Angeles, Calif. (468.5m-640kc), 5:30-6 p. m., Owen Fallon's Californians; 6, nightly doings; 6:15, KFI's Seeing California; 6:30, vest pocket program; 6:45, Radiotorial period; 7-8, screen artists string quartet; 8-9, program arranged by Sylvia Knab, violinist; 9-10, program, Walter M. Murphy Motors company, broadcast simultaneously by KFI and KPO, Pryor Moore's concert orchestra; Virginia Flohri, soprano; Ivan Edwards, tenor; 10-11, Al Wesson and his dance orchestra.

KFON, Long Beach, Calif. (233m-1290kc), 6-6:45 p. m., organ, Brayton's theater; 6:45-7:15, KFON gossip and amusement information; 8-9, community sing program, Municipal auditorium; 9-11, Echophone artists frolic.

KFWB, Hollywood, Calif. (252m-1190kc), 5-6 p. m., children's hour, Big Brother of KFWB; 7-7:30 p. m., program, Osborne, Kelsey company; 7:30-8 p. m., program, Dr. Ralph Mitchell and the Associated Dentists; 8-9, Bill Hatch's Oakmont Country club dance orchestra; Dan Gridley, tenor; Ashley Sisters, 10-11, Warner Brothers frolic, direction Charlie Wellman.

KGO, Oakland, Calif. (361.2m-830kc), 7:15-7:30 a. m., health training exercises, Hugh Barrett Dobbs; 7:45, pep class; 8:30, "Daily Strength"; 11:30-1 p. m., Pacific States Electric company luncheon concert; 3-4, musical program; 5:30-6, Aunt Betty stories and KGO Kiddies' Klub, Ruth Thompson; 6-6:55, dinner concert; 8, educational program; music, Arion trio; boys' and girls' clubs, W. R. Ralston; chats about new books, Joseph Henry Jackson; "Better English," Wilda Wilson Church; "The Worst Boy I Ever Knew," Dr. Albertine Richards Nash; "Short Story Writing," Rebecca N. Porter.

KGW, Portland, Ore. (491.5m-610kc), 12:30-1:30 p. m., Oregon Radio Trades association; 6-7, dinner concert, Olds, Wortman and King company; 8-9, concert, Willys-Overland Pacific company; 9-10, concert.

KLX, Oakland, Calif. (508.2m-590kc), 4-5 p. m., women's hour; 5-5:30, Aunt Elsie's sunset matinee; 6:30-7, Athens Athletic club orchestra; 8-9, studio program; 9-10:30, meeting of the Protective Order of Lake Merritt Ducks.

KMTR, Hollywood, Calif. (233m-1260kc), 5-6 p. m., home hour, Mammy Simmons, Walter Benson, Helen Frances Levy, Billy Henderson, Betty McKay; 7:15, Y. M. C. A. program; 8-10, the Turner orchestra, Loren Powell, director; 10-11 p. m., Starr Piano company studio.

KNX, Hollywood, Calif. (336.9m-890kc), 5-5:30 p. m., Sunny Jim's story; 5:30, First Presbyterian church organ; 5:55, Town Tattler; 6:15, travel talk, W. F. Alder; 6:30-7, Atwater Kent concert orchestra; 7-7:30, Mutual Motors mirth contest; 7:30-8, studio program; 8-9, program, L. W. Stockwell company; 9-10, program, Listenwalter & Gough; 10-11, Goodrich Silvertown Cord dance orchestra, Lilyan May Challenger, contralto; 11-12, Ambassador hotel dance orchestra.

KOAC, Corvallis, Ore. (280.2m-1070kc), 6:50 p. m., musical selections; 7, agricultural question box; 7:10, "Growing Heavier Fleeces," H. A. Lindgren; 7:30, "Certification of Seed Potatoes," E. B. Jackman; 7:45-8, "The Boys' and Girls' club program for 1926," H. E. Seymour.

KPO, San Francisco, Calif. (428.3m-700kc), 1-2 p. m., Rudy Seiger's Fairmont hotel concert orchestra; 2:30-3:30, matinee program; 5:15-6:15, children's hour; 6:40-7, Waldemar Lind and States restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel orchestra; 8-9, organ recital, Uda Waldrop; 9-10, program, presented for the Walter Murphy Motors company; 10-11, Cabiria cafe orchestra, Jack Coakley, director.

KTAB, Oakland, Calif. (240m-1250kc), 9-9:30 a. m., prayer service, Rev. E. L. Spaulding; 12-1 p. m., luncheon concert; 4-5, women's club notes; 8-10, program, Western States Life Insurance company.

KWSC, Pullman, Wash. (348.6m-860kc), 7:30-9 p. m., violin solos, Olga Kraus; vocal solos, Agnes Dilts; piano solos, Lucile Aiken; "Psychology of Efficiency," Dr. F. F. Nalder; farm situation, R. M. Turner.

Index to Farmers' Programs

Farmer Dinner Concerts

Daily Except Sunday

CENTRAL TIME

KFNF, 12:15-1:35 p. m.
KMA, 12:30-1:30 p. m.
KSO, 12:30-1:30 p. m.
WLS, 12 noon.

Saturday, January 30

Eastern	Central	Mountain	Pacific	Program
1:45 p. m.	12:45 p. m.	11:45 a. m.	10:45 a. m.	WOI (270m-1110kc) Soils, questions and answers.
8	7	6	5	KDKA (309.1m-970kc) Farm program.

Sunday, January 31

Eastern	Central	Mountain	Pacific	Program
3:30 p. m.	2:30 p. m.	1:30 p. m.	12:30 p. m.	WFAA (475.9m-630kc) Sunday hour for farmers.

Monday, February 1

Eastern	Central	Mountain	Pacific	Program
1:15 p. m.	12:15 p. m.	11:15 a. m.	10:15 a. m.	WOC (483.6m-620kc) Tankage Is Good for the Unborn Pig.
1:35	12:35	11:35	10:35	KSAC (340.7m-880kc) Certified Potato Seed. Ground Hog Day.
1:45	12:45	11:45	10:45	WOI (270m-1110kc) Dairy Production. WMAQ (447.5m-670kc) Radio farm school.
2	1	12 n.	11	KFKX (288.3m-1040kc) Tankage Is Good for the Unborn Pig.
7	6	5	4	WGY (379.5m-790kc) Agricultural program.
7:15	6:15	5:15	4:15	WKAR (285.5m-1050kc) Farm school.
7:45	6:45	5:45	4:45	WSOE (246m-1220kc) Hog Raising.
8:15	7:15	6:15	5:15	KSAC (340.7m-880kc) Sorghums as Feed for Beef Cattle.
8:30	7:30	6:30	5:30	KFMQ (299.8m-1000kc) Farmers' night. Prepare for a Permanent Pasture. Cotton Diseases. WMC (499.7m600kc) Talk. WOI (270m-1110kc) Automobile Troubles and Their Diagnosis.
8:45	7:45	6:45	5:45	WCCO (416.4m-720kc) Farm lecture.
9:05	8:05	7:05	6:05	KFAB (340.7m-880kc) Legume Crops for Soil Improvement. Pruning the Grape.
9:30	8:30	7:30	6:30	KOB (348.6m-860kc) Important Small Grain Crops in the Rotation under Irrigated Conditions. Sow Management at Farrowing Time.
10	9	8	7	KOAC (280.2m-1070kc) Agricultural question box. Growing Heavier Fleece.
10:30	9:30	8:30	7:30	KOAC (280.2m-1070kc) Certification of Seed Potatoes.

Tuesday, February 2

Eastern	Central	Mountain	Pacific	Program
10 a. m.	9 a. m.	8 a. m.	7 a. m.	WOI (270m-1110kc) Haying Machinery.
11:30	10:30	9:30	8:30	KFAB (340.7m-880kc) How the Chick Is Formed.
1:15 p. m.	12:15 p. m.	11:15	10:15	WOC (428.3m-620kc) How to Manage an Incubator.
1:35	12:35	11:35	10:35	KSAC (340.7m-880kc) Kanota Summarized. The Boy Crop.
1:45	12:45	11:45	10:45	WMAQ (447.5m-670kc), Radio farm school. WOI (270m1110kc) Animal Husbandry, questions and answers.
2	1	12 n.	11	KFKX (288.3m-1040kc) How to Manage an Incubator.
8	7	6 p. m.	5 p. m.	KSAC (340.7m-880kc) Ayrshire and Holstein Cattle in Kansas. Feeding the Sow and Litter. WEAO (293.9m-1020kc) Farmers' week poultry program.
7:15	6:15	5:15	4:15	WKAR (285.5m-1050kc) Meat Inspection. Nutritional Requirements of Growing Chicks.
7:45	6:45	5:45	4:45	WKAR (285.5m-1050kc) Types and Breeds of Beef Cattle.
8	7	6	5	WOC (483.6m-620kc) Feeding Plans Which Will Make the Dairy Cow Pay a Profit.

Wednesday, February 3

Eastern	Central	Mountain	Pacific	Program
11 a. m.	10 a. m.	9 a. m.	8 a. m.	WOI (270m-1110kc) Trend of the Horse Industry.
1:15 p. m.	12:15 p. m.	11:15	10:15	WOC (483.6m-620kc) Dairy day. Refilling the Silo.
1:35	12:35	11:35	10:35	KSAC (340.7m-880kc) Selection and Care of Breeding Flock. Pruning Apple Trees Before They Bear.
1:45	12:45	11:45	10:45	WMAQ (447.5m-670kc) Radio farm school. WOI (270m-1110kc) Poultry husbandry.
2	1	12 n.	11	KFKX (288.3m-1040kc), Dairy day.
3:45	2:45	1:45 p. m.	12:45 p. m.	WOI (270-1110kc) Influence of Sunlight on Hatchability of Eggs.
7:15	6:15	5:15	4:15	WKAR (285.5m-1050kc) Training the Young Fruit Tree. Economy and Efficiency in Spraying.
9:05	8:05	7:05	6:05	KFAB (340.7m-880kc) Factors Affecting Gasoline Mileage of Automobiles. Our Future Beef Supply.

Thursday, February 4

Eastern	Central	Mountain	Pacific	Program
10 a. m.	9 a. m.	8 a. m.	7 a. m.	WOI (270m-1110kc) Red Clover.
1:15 p. m.	12:15 p. m.	11:15	10:15	WOC (483.6m-620kc) Legume day. What Folks Say About It.
1:35	12:35	11:35	10:35	KSAC (340.7m-880kc) Serious Soil Problems. Brambles to Include in the Nursery Order.
1:45	12:45	11:45	10:45	WMAQ (447.5m-670kc) Radio farm school. WOI (270m-1110kc) Farm crops
2	1	12 n.	11	KFKX (288.3m-1040kc) What Folks Say About It. WOI (270m-1110kc) Minerals and Sunshine for Hogs.
3 p. m.	2 p. m.	1 a. m.	12 n.	WOI (270m-1110kc) New Facts in Dairy Cattle Feeding.
7:15	6:15	5:15	4:15 p. m.	WKAR (285.5m-1050kc) Raising the Dairy Calf. Developing the Dairy Heifer.
9	8	7	6	WEAO (293.9m-1020kc) How to Select the Breeding Flock.
9:30	8:30	7:30	6:30	KOA (322.4m-930kc) Farm question box.

Friday, February 5

Eastern	Central	Mountain	Pacific	Program
10 a. m.	9 a. m.	8 a. m.	7 a. m.	WOI (270m-1110kc) 1926 Crop Problems.
1:15 p. m.	12:15 p. m.	11:15	10:15	WOC (483.6m-620kc) Special farm service day.
1:35	12:35	11:35	10:35	KSAC (340.7m-880kc) The Sweet Clover Seedbed. Control of Round Worms in Poultry.
1:45	12:45	11:45	10:45	WOI (270m-1110kc) Agricultural Economics.
2	1	12 n.	11	KFKX (288.3m-1040kc) Special Farm Service day. WMAQ (447.5m-670kc) Radio farm school
7:15	6:15	5:15 p. m.	4:15 p. m.	WKAR (285.5m-1050kc) Wheat and Chaff. Farmers' week, announcements. Corn and Potato Crop Winners.
8:45	7:45	6:45	5:45	WCCO (416.4m-720kc) Farm lecture.

Markets and Weather

Daily Except Sunday

Eastern	Central	Mountain	Pacific	Program
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.	WFAA (475.9m-630kc) Markets. WOAW (526m-570kc) Markets.
9:45	8:45	7:45	6:45	KDKA (309.1m-970kc) Livestock, grain.
10	9	8	7	WLS (344.6m-870kc) Livestock, markets, fruit. WOS (440.9m-680kc) Hogs.
10:30	9:30	8:30	7:30	KFKX (288.3m-1040kc) Livestock, fruit, vegetables, hogs. KTCL (305.9m-980kc) Weather, sheep, quotations. WFAA (475.9m-630kc) Markets. WOI (270m-1110kc) Weather.
10:45	9:45	8:45	7:45	WCCO (416.4m-720kc) Markets. WMC (499.7m-600kc) Weather, markets.
11	10	9	8	WBAP (475.9m-630kc) Markets, quotations. WOS (440.9m-680kc) Weather, hogs.
11:15	10:15	9:15	8:15	WTAG (268m-1120kc) Markets, weather.
11:30	10:30	9:30	8:30	KFKX (288.3m-1040kc) Weather, fruit, vegetables. WCCO (416.4m-720kc) Markets. WEAR (389.4m-770kc) Markets, weather.
11:45	10:45	9:45	8:45	WAAW (384.4m-780kc) Livestock, butter, eggs.
12 n.	11	10	9	KDKA (309.1m-970kc) Weather, livestock, grain. WBAP (475.9m-630kc) Weather, cattle, grain. WEAR (389.4m-770kc) Markets, weather. WHAD (275m-1090kc) Weather, markets. WLS (344.6m-870kc) Poultry, dairy, hogs, sheep. WOS (440.9m-680kc) Livestock, poultry, eggs, grain.
12:30 p. m.	11:30	10:30	9:30	KFKX (288.3m-1040kc) Livestock, fruit, vegetables, dairy. WEAR (384.4m-780kc) Markets, weather. WFAA (475.9m-630kc) Markets.
1	12 n.	11	10	WBAP (475.9m-630kc) Markets. WHT (238m-1260kc) Fruit, weather. WOS (440.9m680kc) Livestock, weather.
1:05	12:05 p. m.	11:05	10:05	KMA (252m-1190kc) Markets and weather.
1:30	12:30	11:30	10:30	KTHS (374.8m-800kc) Markets, weather. WFAA (475.9m-630kc) Markets. WOAW (526m-570kc) Markets. WOI (270m-1110kc) Weather, livestock.
1:35	12:35	11:35	10:35	KPO (428.3m-700kc) Butter, eggs, cheese, poultry.
1:45	12:45	11:45	10:45	KOA (322.4m-930kc) Weather, roads, livestock, poultry.
2	1	12 n.	11	WOC (483.6m-620kc) Weather, grain, livestock, dairy. WOS (440.9m-680kc) Grain.
2:15	1:15	12:15 p. m.	11:15	WAAW (384.4m-780kc) Grain markets.
2:30	1:30	12:30	11:30	WCCO (416.4m-720kc) Markets, weather. WFAA (475.9m-630kc) Markets.
3	2	1	12 n.	WLS (344.6m-870kc) Livestock, grain, dairy, fruit, vegetables. WOS (440.9m-680kc) Livestock, markets, grain.
3:30	2:30	1:30	12:30 p. m.	WFAA (475.9m-630kc) Markets. WMC (499.7m-600kc) Markets, weather.
3:50	2:50	1:50	12:50	WWJ (352.7m-850kc) Weather, markets.
4	3	2	1	KFKX (288.3m-1040kc) Livestock, wool. WCCO (416.4m-720kc) Markets. WCX (516m-580kc) Stocks and grain.
4:30	3:30	2:30	1:30	WEAR (389.4m-770kc) Markets, weather. WFAA (475.9m-630kc) Markets.
5:50	4:50	3:50	2:50	WDAF (365.6m-820kc) Markets, weather, road reports. WHAS (399.8m-750kc) Markets.
6:30	5:30	4:30	3:30	KSAC (340.7m-880kc) Markets.
6:45	5:45	4:45	3:45	WIP (508.2m-590kc) Livestock, markets.
6:50	5:50	4:50	3:50	WHAD (275m-1090kc) Markets.
7:30	6:30	5:30	4:30	KMA (252m-1190kc) Markets and weather. KSAC (340.7m-880kc) Market review.
7:45	6:45	5:45	4:45	KFWA (261m-1150kc) Market reports.
8	7	6	5	KFKX (288.3m-1040kc) Markets. KOA (322.4m-930kc) Sheep, markets, livestock, poultry.
9	8	7	6	WAAW (384.4m-780kc) Marketgrams and talks.
11	10	9	8	WCCO (416.4m-720kc) Weather, grain.

13 WAMPUS STARS FROLIC AT KNX

Tuesday, February 2

Headliners Today

Eastern	Central	Mountain	Pacific	
8 p. m.	7 p. m.	6 p. m.	5 p. m.	WBZ (353.1m-900kc), Hockey game.
8:30	7:30	6:30	5:30	WEAF (491.5m-610kc), WEEI, WFI, WCAE, WGR, WWJ, WOC, WJAR, WCCO, WEAR, KSD, WGN, Gold Dust Twins. WHAS (399.8m-750kc) Carl Zoeller's Melodists. WJZ (454.3m-660kc), WGY, Edison hour.
9	8	7	6	WSB (428.3m-700kc) Lyon and King de luxe concert.
10	9	8	7	WMAQ (447.5m-670kc) "The Mikado," students.
11	10	9	8	KPO (428.3m-700kc) Thirtieth Infantry band. WSAI (325.9-920kc) Jack Little, Wendell Hall, Ray O'Vac Twins. WSM (282.8m-1060kc) Frolic.
11:15	10:15	9:15	8:15	KTHS (374.8m-800kc) Piano specialties.
1 a. m.	12 m.	11	10	KFI (468.5m-640kc) Packard popular ballads. KNX (336.9m-890kc) Wampas frolic, Thirteen Wampus stars.

Tuesday, silent night for; CFCA, CHIC, CKNC, CKY, CNRC, CNRE, CNRM, CNRO, CNRW, CNRT, KFKX, KFKU, KFMQ, KFUO, KFWA, KOA, WOAC, KOB, KUOM, KWSC, PWX, WAHG, WAMD, WBBR, WCAD, WCAP, WGCP, WGST, WHAD, WHAZ, WJAD, WJAZ, WKAF, WKAQ, WLWL, WOI, WRVA, WSUI, WTAM, WTIC.

Eastern Time Stations

CKAC, Montreal, Can. (410.7m-730kc), 7 p. m., Safety league talks to kiddies; 7:15, Windsor hotel dinner concert; 8:15, dinner concert; 10:30, Windsor hotel dance program.

WAFD, Port Huron, Mich. (275m-1090kc), 10-11:30 a. m., Ironing club.

WAHG, Richmond Hill, N. Y. (315.6m-950kc), 12:03 p. m., musical program.

WBAL, Baltimore, Md. (246m-1220kc), 6:30-7:30 p. m., WBAL string trio; John Wilbourn, tenor; Philip Jeffreys, pianist; 7:30-8, WBAL male quartet; 8-9, George Bolek, pianist; James Wilkinson, baritone; Loretta Lee, soprano.

WBZ, Springfield, Mass. (333.1m-900kc), 6:30 p. m., Little Symphony orchestra; 6:45, Hotel Lennox ensemble; 7:;30, "Amy Lowell, 1874-1925," Prof. Robert Emmons Rogers; 8, hockey game, Boston Bruins vs. St. Patricks.

WCAE, Pittsburgh, Pa. (461.3m-650kc), 12:30 p. m., news; 4:30, sunshine girl; 6:30, dinner concert, William Penn hotel; 8, program, WEAF; 8:30, Gold Dust Twins, WEAF; 9, Eveready hour, WEAF; 10, "Your Hour"; 10:30, Vincent Lopez and his orchestra; 11, Ralph Harrison and his Midnight Sons.

WCAP, Washington, D. C. (468.5m-640kc), 6:45-7:45 a. m., Tower health exercises, WEAF.

WCAU, Philadelphia, Pa. (278m-1080kc), 7:30 p. m., concert by N. Snelleburg and company; 8, building and loan talk; 8:10, the Three brothers; 8:25, theater digest, Abe Lipshutz; 8:35, playlet; 9, Robert Frazer, blind gospel singer, Elizabeth Holtz, pianist; 9:30, Sea Isle City Garden Gulls; 10, Harry Link, popular songs; 10:30, Billy Hayes and his Cathay Tea Garden dance orchestra.

WCX, Detroit, Mich. (516.9m-580kc), 4 p. m., news and markets; 6, dinner concert, Book-Cadillac hotel; 10, the Red Apple club.

WEAF, New York, N. Y. (491.5m-610kc), 11 a. m., music; 11:10, "Tales of Araby," Sumayeh Attiyeh; 11:25, music; 11:35, motion picture forecast, Adèle Woodard; 4 p. m., William Lawlor, baritone; 4:15, Evelyn Smith, pianist; 6, Hotel Waldorf-Astoria; 7, Ruth Shaffner, soprano; 7:10, Columbia university French course; 7:30, Russian ensemble; 8, Blue Ribbon male quartet, WEAF, WEEI, WFI, KSD, WCAE, WWJ, WGR; 8:30, Gold Dust Twins, WEAF, WEEI, WFI, WCAE, WGR, WWJ, WOC, WJAR, WCCO, WEAR, KSD, WLIB; 9, Eveready hour, WEAF, WEEI, WFI, WCAE, WGR, WWJ, WOC, WJAR, WCCO, WTAG, WGN, WEAR, WSAI, KSD; 10, bridge; 10:30, Vincent Lopez and his orchestra, WEAF, WCAE, WEEI, WFI, WWJ, WGR, KSD; 11-12, Ross Gorman and his orchestra.

WEAO, Columbus, Ohio (293.9m-1020kc), 7 p. m., university chimes, Allen Manigal; 7:05, farmers' week poultry program.

WEAR, Cleveland, Ohio (389.4m-770kc), 11 a. m., home service talk; 7 p. m., State theater vaudeville; 8, instrumental ensemble; 8:30, Gold Dust Twins; 9, Eveready entertainers; 10, Chauncey Lee's entertainers; 10:30, Cities Service program; 11, Wormack's Singing syncopators.

WEBJ, New York, N. Y. (273m-1100kc), 7 p. m., Dan Barnett's orchestra; 7:45, Thomas Prytherch, Welch tenor; 8, railroad talk, G. T. Geer; 8:15, Jerry Alexander, Doyle Sisters; Stella Rose, soprano; 8:30, Lehigh serenaders.

WEEI, Boston, Mass. (348.6m-860kc), 6:45 a. m., tower health exercises; 7:45, morning watch, Estey organ studio; 2 p. m., Eugene's singing orchestra; George Joy and Nell Cantor; 5:30, Joe Herlihy's Collegians; 6:30, talk, Nellie E. Friend; 7, Big Brother club; 7:30, musical; 8, Blue Ribbon quartet, WEAF; 8:30, Gold Dust Twins; 9, Eveready hour; 10, musical.

WFI, Philadelphia, Pa. (394.5m-760kc), 1 p. m., Tea room ensemble; 3, talk, "Beauty Culture in Home," Mme. Manka Rubinstein, 3:15, trumpet solos, Catherine Heuser; violin solo, Marie Sofozo; Betty Spencer, soprano; 6:30, Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra; 7:15, banking talk, George W. Weldy; concert from WEAF; 8:30, Goldy and Dusty; 9, Eveready hour; 10, grand opera from WEAF.

WGBS, New York, N. Y. (315.6m-950kc), 10 a. m., timely talks; music; 11:20, household talk, Phoebe Cole; 11:40, reducing talk, Nestor Matson; 1:30 p. m., songs, Mildred Greenwald; William Dobson, accompanist; 2, Landau's Serenaders; 3, interview with Al Herman and Leslie Eichel, playwrights; Max Hart, violinist; George Ward, reader; 3:40, piano lessons, A. G. Robyn; 6, Uncle Geebee; 6:30, interview with Henry Major, famed cartoonist; 6:45, Arrowhead inn concert orchestra; 8, Y. M. C. A. forum; 10:30, Arrowhead Inn dance orchestra.

WGCP, New York, N. Y. (252m-1190kc), 3 p. m., pianist; 3:20, Paul Hagan, tenor; 3:30, Isabella Henderson, soprano; 3:45, Max Heitt, violinist; 4:15-4:45, Sioux City syncopators; 4:45, Ukulele Bob McDonald; 7, Janssen's orchestra; 7:30, Clarence Williams' trio; 7:55, health talk; 8-8:30, Jolly Rogers' orchestra.

WGHP, Detroit, Mich. (270m-1110kc), 6 p. m., dinner concert, Hotel Tuller; 7, farm program; 9, popular program; Skylark dance band; Billy Miller, tenor; Vern Ricketts, accordionist; Gladys Sanderson, ukulele lady; Charles Wiggle, the singing cop.

WGR, Buffalo, N. Y. (319m-940kc), 2:30 p. m., WGR's afternoon program; 6:30, Vincent Lopez' Hotel Statler dance orchestra, Harold Gieser, director; 8, jointly with WEAF, Blue Ribbon male quartet; auction bridge game; Gold Dust Twins; Eveready hour and Vincent Lopez and his Casa Lopez orchestra.

WGY, Schenectady, N. Y. (379.5m-790kc), 2 p. m., music; address, "National Characteristics of the Drama of Today—the American Influence," Lawrence Jones; 2:30, organ recital, Stephen E. Boisclair; 6:20, address, "Newer Varieties of Apples," J. Folger; 6:30, dinner program, Hotel Van Curler; 7:30, address, "What Is Matter Made Of," Prof. Charles B. Hurd; 7:45, Marine band, WRC; 8:30, Edison hour, WJZ; 9:30, Mrs. Dana C. Goodrich, soprano; 10, "The Grand Tour—Spain," WJZ; 10:30, George Olsen's Hotel Pennsylvania orchestra, WJZ.

WHAR, Atlantic City, N. J. (275m-1090kc), 2 p. m., Seaside hotel trio; 7:30, talk; 8, Seaside hotel trio.

WHN, New York, N. Y. (361.2m-830kc), 12:30-1 p. m., Lexington organ recital; 2:15-3:15, overture and vaudeville, Loew's State; 3:15-4:30, Lexington orchestra; 6:30-7, Everglades orchestra; 7-7:30, Vincent Lopez' Iceland orchestra; 7:30-8, Will Oakland's Chateau Shanley; 11, Ciro's orchestra; 12-12:30 a. m., Club Kentucky orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:45 a. m., setting up exercises; 7, setting up exercises; 10, menu talk, Mrs. Anna B. Scott; 1 p. m., organ recital; 3, Dorothy Gitens, soprano; artists from John Thomas Piano studio; 6:05, Al Lentz and his Versatile entertainers; 7, Uncle Wip's bedtime stories; Frank E. Deemer, harmonica, William Deemer, harmonica, Alfred Deemer, guitar, Leonard Deemer, guitar, Robert Boyd, mandolin; 8, Elliott Lester, dramatic critic; 8:15, Boys' West Philadelphia high school orchestra; 9, WIP concert quartet—Elizabeth Poret Earl, soprano, Thelma Melrose Davies, contralto, Frank Oglesby, tenor, and Chas. D. Long, basso; 10:05, movie talk, Eli M. Orowtiz; 10:30, Pagoda cafe orchestra.

WLIT, Philadelphia, Pa. (394.5m-760kc), 11 a. m., organ recital; 12:02 p. m., daily almanac; Stanley theater organ recital; Arcadia cafe concert orchestra; 2, Arcadia cafe concert orchestra; 4:30, magazine corner, Mrs. B. F. Maschal; 7:30, Dream Daddy's bedtime stories.

WMBF, Miami Beach, Fla. (384.4m-780kc), 7-9 p. m., Fleetwood Radio orchestra; 10-1 a. m., Gene Fosdick and his orchestra; Fleetwood Radio orchestra.

WNYC, New York, N. Y. (526m-570kc), 7:10 p. m., the Canadians; 7:35, the Canadians; 8, studio features; 10, Harry Ash's orchestra; 10:35, Harry Ash's orchestra.

WOO, Philadelphia, Pa. (508.2m-590kc), 11 a. m., organ recital; 12:02 p. m., Golden's Crystal tea room orchestra; 4:45, organ recital; 7:30, A. Candelori's French room orchestra.

WOR, Newark, N. J. (405.2m-740kc), 6:15 p. m., "Words Often Mispronounced"; 6:17, sports, Bill Wathey; 6:30, "Man in the Moon Stories for the Children"; 7-7:15, Jacques Jacobs' Hotel Shelton ensemble.

WRC, Washington, D. C. (468.5m-640kc), 10 a. m., women's hour, WJZ; 12, organ recital, George F. Ross; 1 p. m., Hotel Washington orchestra, Irving Boernstein, director; 6, Hotel Hamilton orchestra, Daniel Chwalow, director; 6:40, agricultural reports; 7, "Show Shopping," Leonard Hall; 7:10, international relations; 7:30, concert, United States Marine band, Captain William H. Santelmann, leader, WJZ, WGY; 8:30, Edison hour, WJZ, WGY; 10:30, W. Spencer Tupman and his Hotel Mayflower orchestra; 11:30, organ recital, Gertrude Smallwood; 12, Meyer Davis' Le Paradis band.

WTAG, Worcester, Mass. (268m-1120kc), 10:30 a. m., musical selections; 10:45, talk to mothers, Rosebelle Jacobus; 12:05-2, luncheon music, WTAG, Will Hardy, director; 5:15, "The Twinkle Twinkle Story Teller"; 7:45, "The Mystery of Alcohol," Prof. Walter L. Jennings; 9-10, Eveready hour, WEAF; 10:30-11, Vincent Lopez and his orchestra.

WTAM, Cleveland, Ohio (389.4m-770kc), 12:15-1:15 p. m., Guy Lombardo and his Royal Canadians; 6-7, Carl Rupp and his Hotel Hollenden orchestra.

WWJ, Detroit, Mich. (352.7m-850kc), 9:30 a. m., "Tonight's Dinner"; talk, woman's editor; 12:05, Jules Klein's Hotel Statler orchestra; 3, Detroit News orchestra; 6, dinner concert; 8, concert, WEAF.

Central Time Stations

CNRR, Regina, Can. (476m-640kc), 8 p. m., Rosson's concert orchestra.

KFAB, Lincoln, Nebr. (340.7m-880kc), 10:30 a. m., "How the Chick Is Formed," F. E. Mussehl; 8:05-10:30 p. m., University of Nebraska program.

KFH, Wichita, Kan. (268m-1120kc), 9-10 p. m., McVicar-Howard ladies quartet; 12:15-1:15 Mentholatum company orchestra.

KFMQ, Fayetteville, Ark. (299.8m-1000kc), 8 p. m., David O. Hansard, violinist.

KFRU, Columbia, Mo. (499.7m-600kc), 8:45 a. m., public school convocation; music, Stephens College Conservatory of Music; 9, educational talk; 6:15, dinner program; 7, Radio school talk, agriculture.

KLDS, Independence, Mo. (440.9m-680kc), 7:15 p. m., basketball game, William Jewell college-Liberty; 8, program, William Chrisman high school; Indpendence Parent-Teachers' association; 11:59, midnight program, Herbert Johnson, organist.

KMA, Shenandoah, Iowa (252m-1190kc), 9-9:45 a. m., music; current topics, G. H. Van Houten; 11:30-12:30, noonday rural program; seed talk, Earl E. May; music; 2-3, music; travelogue, G. H. Van Houten; 6-7, May Flower trio; Lina Ferguson; 9-11, May's Mandolin Musicians; talk, G. H. Van Houten.

KPRC, Houston, Tex. (296.9m-1010kc), 12 m., book talk, Julia Ideson; 12:30 p. m., public health talk, Dr. A. H. Flickwir; 5:30, Uncle Judd's kiddies' hour; 7:30, Ralph Park's dance orchestra; Bill Mullin, vocal entertainer; 8:30, string trio; 9, Eleanor Hoffman, contralto.

KSAC, Manhattan, Kans. (340.7m-880kc), 9-9:25 a. m., music, inspirational talks, agricultural primer, calisthenics; 9:55-10:25, readings, backyard gossip, question box, planning today's meals; 12:35-1:05 p. m., readings, question box; "Kanota Summarized," H. R. Sumner; "The Boy Crop," M. H. Coe; 4:30-5, program for women's clubs; 6:30-7:30, "Better Speech, Etiquette"; Extension credit course, Economics; Extension course, "Feeding the Sow and Litter," A. D. Weber; "Ayrshire and Holstein Cattle in Kansas," W. H. Riddell.

KSD, St. Louis, Mo. (545.1m-550kc), 6:55 p. m., Good Will program, WEAF.

KSO, Clarinda, Iowa (252m-1240kc), 12:30-1:15 p. m., farmer dinner concert; 7-7:30, music; farm talk; 7:30-9, Snappy Seven, Mrs. M. B. Russell, director.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9-9:30 p. m., semi-classical selections, Eastman hotel orchestra; 9:30-10:15, New Arlington hotel orchestra; Clyde Foley, soloist; 10:15-10:45, Elmer Menard, pianist.

KYW, Chicago, Ill. (536m-560kc), 11:35 a. m., table talk, Mrs. Anna J. Peterson; 12:05, Joska DeBabary's orchestra; 4, afternoon frolic; 6-7, dinner music, KDKA; 7:05, bedtime story, Uncle Bob; 7:35, speeches, American Farm Bureau federation; address, A. D. White; Walter B. Remley; 8, musical program, Edwin Borroff, director; 9, hour of music; 10, evening at home, Coon-Sanders Original Nighthawks.

WAMD, Minneapolis, Minn. (244m-1230kc), 12 noon, Jack Malerich, organist.

WBAP, Fort Worth, Texas (475.9m-630kc), 7:30 p. m., music; 9:30, Euterpean club.

WBBM, Chicago, Ill. (226m-1330kc), 4-6 p. m., Valentino inn orchestra; artists; 8-9, Moulin Rouge orchestra; Phil Fleming, tenor; Jean St. Anne, French baritone; 9, Ziegler Sisters; Moulin Rouge orchestra; Claire Matthews, artists.

WBCN, Chicago, Ill. (266m-1130kc), 10-10:30 a. m., Penny Wise, the shopper's ready helper; 7-8, Ballantine Electric company classical hour; Robert Sansome, cellist; Gordon A. Nelson, tenor; Ann Kelley, soprano; Pearl Fairchild, pianist.

WCBD, Zion, Ill. (344.6m-780kc), 8 p. m., Treble Cleff chorus; violin quartet; Mrs. Pihl, Mrs. Bird, vocal duets; Mrs. Luke Ball, soprano; Esther Harwood, vocalist; Mark Whiteside, baritone; John Studebaker, clarinetist; Newcomer, Stewart, cornetists; piano duets.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 12 m., Dick Long's Dayton trio; 2 p. m., problems of our government; 2:30, afternoon concert, Dick Long's trio; 3:30, "The World of Books," H. A. Bellows; 4, readers' club, Eleanor Poehler; 5:30, children's hour; 6:15, dinner concert, Wesley Barlow's Nicollet hotel orchestra; 7:30, program, WEAF; 7:30-8, Gold Dust Twins; 8-9, Eveready hour; 9-9:30, bridge lesson; 9:30, "Outdoors in Minnesota," Isaac Walton league.

WDAF, Kansas City, Mo. (365.6m-820kc), 3:30-4:30 p. m., The Star's string orchestra; 6-7, the Tell-Me-a-Story lady; Radio piano lesson, Maudellen Littlefield; The Trianon ensemble; 11:45-1 a. m., Plantation players; Eddie Kuhn's orchestra; Billy Adair's orchestra.

WDOD, Chattanooga, Tenn. (256m-1170kc), 9-9:30 p. m., bridge games.

WEBH, Chicago, Ill. (370.2m-810kc), 11:30-12 noon, woman's half hour; 3-4 p. m., special features; 7-8, Lydia Lochner, contralto; Oriole orchestra; Kathryn Forbes, soprano; 9-9:45, Uptown theater; 9:45-10, news; 11-12:30, Oriole orchestra; Jack Penewell, Fred Palmiter, Howard Neumiller.

WEBW, Beloit, Wis. (268m-1120kc), 8 p. m., fortnightly concert hour; special Beloit college alumni program; vocal and instrumental numbers; address.

WFAA, Dallas, Tex. (475.9m-630kc), 12:30-1 p. m., Beaumont band; 4:30-5, Cloyd Griswold, song and uke soloist; 6:30-7:30, Don Bestor's orchestra; 8:30-9:30, Southern Methodist university musical faculty recital; 11-12, Cline's Collegians.

WGES, Oak Park, Ill. (250m-1200kc), 5-7 p. m., flute duo, organ, basso; 8-9, piano, orchestra, organ, tenor; 11-1 a. m., piano, tenor, soprano, organ, features.

WGN, Chicago, Ill. (302.8m-990kc), 10-11 a. m., good health and training, Mary Murphy; 11-11:30, household hints; 12:30-12:40, "Why Not Sausage for Supper?" Inez S. Willson; 12:40-2:30, luncheon concert, Drake concert ensemble and Edward Benedict, organist; 2:30-3, Lyon and Healy, artist series; 3:25-3:30, Port o' Missing Men; 3:30-4:15, tea time music, Marshall Field's tea room orchestra; 4:30-5, organ recital, Edward Benedict; 5:30-5:57, Skeezix time; 6:30-7, dinner concert, Drake concert ensemble and Edward Benedict, organist; 8-9, Eveready program, WEAF; 9-10, popular program; 10-11, dance program.

WHAD, Milwaukee, Wis. (275m-1090kc), 11 a. m., pianolog, Andy Hertel; "Getting the First Thousand," Carl Skinrood; 4 p. m., musical numbers; 6:15-7, Bill Benning's Milwaukee Athletic club orchestra.

WHAS, Louisville, Ky. (399.8m-750kc), 12-1 p. m., noonday service, Trinity Methodist church, Rev. Dr. John Lowe Fort, pastor; Rev. Dr. Frederick Shannon, speaker; music; 1-2, concert, Benson trio; 3-3:30, organ recital, Mrs. Myrtle Fulks Zahn; 4-5, Campus Cracks; Wallace Wilson, saxophonist; Walter Haynes, banjoist; Charles O'Connell, pianist; concert, Harry S. Currie's Music Box; readings; 7:30-9, concert, Carl Zoeller's melodists.

WHO, Des Moines, Iowa (526m-570kc), 7:30-8 p. m., Raleigh quintet; 8-9, Bankers Life trio, Helen Birmingham, director; 11-12, Bankers Life Little symphonic orchestra, Leon Dashoff, director.

WHT, Chicago, Ill. (399.8m-750kc), 10 a. m., women's club program, Jean Sargent; Borden's health talk; studio music; 11, studio features; (238m-1260kc), 12, organ recital, Al Carney; (399.8m-750kc), 6 p. m., classical program; Al Carney, organist; Grayling's string trio; Eleanor Gilmour, Edwin Kemp, Lillian Knowles, John Rankel; 6:50, Loftis music; (238m-1260kc), 9:15, Alamo orchestra; (399.8m-750kc), 9:30, Hawaiian trio; Chez Pierre orchestra; Si Berg, ukulele; Helen Boise, popular songs; 10:10, dance music; 12, "Your Hour League," Pat Barnes and Al Carney.

WIBO, Chicago, Ill. (226m-1330kc), 10-11 a. m., shoppers' bureau; 2-4 p. m., shut-in program; 6-8, dinner concert, popular American ballads, Walter Preston; WIBO trio; Bernice Taylor, soprano; Ruth Buhl Flick, reader; 12 midnight-2 a. m., jamboree.

WJJD, Mooseheart, Ill. (370.2m-820kc), 4-5 p. m., Mooseheart hour, music, younger Mooseheart children; daily assembly of 1,256 children; faculty talks; 6-7, instrumental hour, Howard L. Peterson, organist; the Palmer Symphonic players; Palmer House Victorians; 8-9, Mooseheart children's hour, music, children of all ages, solos, bands, etc.; 10-11 Rushmore ensemble; 12:30, settin'-up hour, Garod studio, Palmer House; Palmer House Victorians.

WKAR, Lansing, Mich. (285.5m-1050kc), 7:15-7:30 p. m., Veterinary course, "Meat Inspection," E. T. Hallman; 7:30-7:45, poultry course, "Nutritional Requirements of Growing Chicks," J. M. Moore; 7:45-8, animal husbandry course, "Types and Breeds of Beef Cattle," G. A. Branaman.

WLIB, Chicago, Ill. (302.8m-990kc), 7-7:30 p. m., dinner concert; 7:30-8, Gold Dust program, WEAF; 11-12, popular program; 12-1, dance program.

WLS, Chicago, Ill. (344.6m-870kc), 12 m., R. F. D. program, Ford and Glenn; 6, R. F. D. school program; 6:40, Ralph Emerson, organist; 7, Ford and Glenn; 7:20, Apollo music club.

WLW, Cincinnati, Ohio (422.3m-710kc), 7:30 a. m., healthful exercises, William Stradtman; 8, morning devotions, auspices of the Parkway Y. M. C. A.; 12 m., concert, Hotel Gibson orchestra, Robert Visconti, director; 4 p. m., talk, Ralph Schmidt; 4:10, French lesson, Madame Ida Tcimpidis; 7, musical appreciation series, the Cincinnati Conservatory of Music; 7:20, Crosley popular science series, member of the faculty of St. Xavier college; 7:30, piano memories, Mary Louis Woseczek, the Crosley piano request lady; 7:50, concert, Trirdyn instrumental trio; 8, old-time review, Crosley Burnt Corkers, comedians and instrumentalists; 9, concert, auspices of the Formica Insulation company, Formica concert orchestra, William Stoess, director.

WMAQ, Chicago, Ill. (447.5m-670kc), 2 p. m., shut-in program; 4, "Interior Decorating," G. M. Moritz; 4:30, pupils, Columbia School of Music; 5:15, Topsy Turvy time; 6, Chicago theater organ recital; 6:30, Hotel LaSalle orchestra; 8, Harry Hansen book talk; 8:20, travel talk, Clara Laughlin; 8:40, lecture, U. of C.; 9, "Mikado," O. E. Robinson, director; 9:55, chimes.

WMBB, Chicago, Ill. (250m-1200kc), 7-8 p. m., Trianon Duo; Genevieve Barry Burnham, operatic soprano; Eleanor Kaplan, violinist; Preston Graves, concert pianist, semi-classical operatic program; talk on finance; 9-11, Trianon orchestra, Dell Lampe, conductor; Woodlawn theater orchestra, Armin F. Hand, conductor; Matts & Donovan, Axel Christensen, Jack Goodwin, Willie Lightfeld.

WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., musical program; 11, frolic, Britling's cafteria Novelty orchestra.

WOAI, San Antonio, Tex. (394.5m-700kc), 8:30 p. m., Gebhardt, musicians.

WOAW, Omaha, Nebr. (526m-670kc), 12:45 p. m., Gilbert Jaffy and his Little symphony; 6, entertainment; 6:50, orchestra; 9, classical; 10:10, Radio review, Neal Jones; 10:30, Herb Feierman and his Omadala orchestra; 12, Rialto theater alarm.

WOC, Davenport, Iowa (483.6m-620kc), 12:15-12:25 p. m., "How to Manage an Incubator," Prof. A. G. Philips; 3-3:30, Aunt Jane; 5:45-6, chimes; 6:30-6:50, sandman; 7:30-8, Gold Dust twins; 8-9, Eveready hour, WEAF; 9-9:30, bridge; 9:30-10:15, travel talk, Dr. B. J. Palmer; 10:15-10:45, Mendelssohn music club.

Index to Classical Concerts

Saturday, January 30

Eastern	Central	Mountain	Pacific	
6 p. m.	5 p. m.	4 p. m.	3 p. m.	WCX, WEAF, WMCA, WREO.
7	6	5	4	KGO, KYW, WEAR, WENR, WMAQ, WNYC, WOAW, WOK, WRC.
8	7	6	5	KDKA, KFNF, KOIL, KSD, KYW, WBBR, WGN, WMBB, WNYC, WOAW, WQJ.
9	8	7	6	KFOA, KPRC, KHJ, KYW, WHAS, WIP, WLW, WORD, WSAI, WSOE
10	9	8	7	KNX, KYW, WEAF, WMAQ, WMC, WOAW, WOC, WORD.
11	10	9	8	KGO.
12 m	11	10	9	WOAW.

Sunday, January 31

Eastern	Central	Mountain	Pacific	
6 p. m.	5 p. m.	4 p. m.	3 p. m.	WCAU.
7:20	6:20	5:20	4:20	WCAE, WCAU, WEAF, WEAR, WEEI, WJAR, WTAG, WWJ.
8	7	6	5	KYW, WAMD, WBZ, WEAR, WGBS, WGCP, WKAQ, WLS, WORD.
9	8	7	6	KFDM, KPRC, KSD, WBZ, WCAU, WCBD, WCCO, WEAR, WGY, WHAR, WHT, WNYC, WQJ.
9:15	8:15	7:15	6:15	WEEI, WJAR, WTAG.
10	9	8	7	KHJ, KNX, KTHS, KYW, WCCO, WFAA, WNYC, WOC, WQJ, WSOE.
11	10	9	8	KFVE, KHJ, KNX, KPO, KTHS, KYW, WHN, WKRC, WOC.
12 m	11	10	9	KHJ, KNX, WOC.
1 a. m.	12 m	11	10	KNX.

Monday, February 1

Eastern	Central	Mountain	Pacific	
6 p. m.	5 p. m.	4 p. m.	3 p. m.	KGO, WCX, WEAF, WMCA, WREO, WWJ.
7	6	5	4	KMA, WCCO, WEAF, WEAR, WHAD, WJR, WOAW, WOK.
8	7	6	5	KFNF, KSD, WBBR, WBZ, WCAU, WCX, WHAR, WHT, WJAR, WLW, WMBB, WTAG, WTIC.
9	8	7	6	KFOA, KGO, KHJ, KPRC, WBBR, WCCO, WBZ, WCAE, WEEI, WHAD, WHO, WJAR, WLW, WORD, WOS.
10	9	8	7	KMA, KPO, KPRC, KSD, KTHS, WAMD, WCCO, WEAF, WHAD, WJAR, WOAW, WSUI, WTAG.
11	10	9	8	KGW, KHJ, KMA, KSD, KTHS, KWSC, WHN, WSAI.
12 m	11	10	9	KGW, WBAP, WSAI.
1 a. m.	12 m	11	10	KHJ.

Tuesday, February 2

Eastern	Central	Mountain	Pacific	
6 p. m.	5 p. m.	4 p. m.	3 p. m.	WBZ, WCX, WEAF, WMCA, WREO, WWJ.
7	6	5	4	KGO, KMA, WEAR, WEBJ, WGBS, WHAD, WJR, WMAQ, WOAW, WOK, WOR, WTIC, WWJ.
8	7	6	5	KFNF, KSD, KYW, WBZ, WCAE, WCAU, WCX, WEAR, WEEI, WGR, WHAR, WHT, WLS, WMBB, WQJ, WRC, WTIC.
9 p. m.	8 p. m.	7 p. m.	6 p. m.	KFDM, KFOA, KGO, KHJ, KLDS, KYW, WCAE, WCBD, WCCO, WEAF, WEEI, WGR, WHAS, WJAR, WLW, WMAQ, WOC, WORD, WTAG.
10	9	8	7	KFAB, KFDM, KFMQ, KMA, KNX, KPRC, KTHS, WCAE, WCCO, WEAF, WEAR, WEEI, WLW, WMCA, WOC, WSAI, WSOE, WTAG.
11	10	9	8	KGO, KHJ, KMA, KYW, WSAI.
12 m	11	10	9	KPO, KYW, WHO, WMC.

Wednesday, February 3

Eastern	Central	Mountain	Pacific	
6 p. m.	5 p. m.	4 p. m.	3 p. m.	WCX, WEAF, WMCA, WREO, WWJ.
7	6	5	4	KGO, WEAR, WHAD, WJR, WMAQ, WOK, WTIC.
8	7	6	5	KFNF, KPRC, KSD, KYW, WAMD, WBZ, WCX, WEAF, WEEI, WHT, WLW, WMBB, WMCA, WQJ, WTAG, WWJ.
9	8	7	6	KFOA, KGO, KPRC, KSD, KYW, WBZ, WCCO, WDAF, WEEI, WGR, WHAD, WHAS, WJAR, WMAQ, WOR, WOS, WORD.
10	9	8	7	KFMX, KMA, KNX, KTHS, WAMD, WCCO, WEAF, WEEI, WGR, WHAD, WJAR, WLS, WMAQ, WNYC, WOC, WSOE.
11	10	9	8	KGO, KGW, KMA, KPO, KTHS, WCAE, WLS, WLW, WOC, WSAI.
12 m	11	10	9	KGW, KPO, WHAD, WLW.
1 a. m.	12 m	11	10	WLW.

Thursday, February 4

Eastern	Central	Mountain	Pacific	
6 p. m.	5 p. m.	4 p. m.	3 p. m.	WBZ, WCX, WEAF, WIP, WMCA, WREO, WWJ.
7	6	5	4	KGO, KSD, WEAF, WEAR, WGBS, WHAD, WJR, WMAQ, WOAW, WOK, WWJ.
8	7	6	5	KYW, WBBR, WBZ, WCAU, WCCO, WCX, WEAR, WEEI, WGR, WGY, WHAR, WHT, WLS, WLW, WMBB, WOAW, WQJ, WTAG, WTIC.
9	8	7	6	KHJ, KLDS, WBAP, WCAE, WCAU, WCBD, WCCO, WEAF, WEEI, WGR, WHAR, WHAS, WJAR, WNYC, WOC, WORD, WRC, WASI, WSB, WTAG.
10	9	8	7	KNX, KPRC, KTHS, KYW, WAMD, WGR, WGY, WHAD, WMC, WOAW, WOC, WSAI.
11	10	9	8	KGO, KPO, KTHS, WBAP, WKRC.
12 m	11	10	9	KGW, KPO, WHO, WKRC.

Friday, February 5

Eastern	Central	Mountain	Pacific	
6 p. m.	5 p. m.	4 p. m.	3 p. m.	KGO, WCX, WMCA, WREO, WWJ.
7	6	5	4	KGO, WEBJ, WGY, WHAD, WJR, WMAQ, WOAW, WOK, WOR, WTIC.
8	7	6	5	KYW, WAHG, WAMD, WBZ, WCAU, WCX, WEBJ, WEEI, WHT, WLS, WQJ, WWJ.
9	8	7	6	KFDM, KFNF, KFOA, KGO, KHJ, KSD, KYW, WBAP, WBZ, WCAU, WDAF, WEEI, WHAD, WJAR, WMAQ, WMCA, WSAI.
10	9	8	7	KFAB, KFDM, KOA, WCCO, WHAD, WMAQ.
11	10	9	8	KFMX, KHJ, KNX, KPO.
12 m	11	10	9	KPO.

PHILHARMONIC TRIO TO SING AT WBZ

Tuesday, February 2

WOI, Ames, Iowa (270m-1110kc), 9 a. m., "Haying Machinery," J. L. Adams; 10, "Budgetting the Unstable Income," Gertrude Lynn; 11, "Raising Baby Beeves in Iowa," George Godfrey; 12:45 p. m., animal husbandry, Prof. H. H. Kildee; 2:10, "The Homemaker's Assets," Martha Van Rensselaer; 3, "The Farm Women's Contribution to the Community," Neale S. Knowles; "To the Farm Camps," Fern Lippencott; "To the Health Clinics," Laura Waite; "To the Woman's Place in the Farm Bureau," Mrs. O. L. Stroud; 8, "Costs of Housekeeping," Martha Van Rensselaer.

WOK, Chicago, Ill. (217.3m-1380kc), 4:30-7 p. m., Tearney's Town club twilight dansant; Capitol theater organ; Pal Hoster, tenor; 10-1:30 a. m., Tearney's Town club orchestra; Carl Lorraine's Pershing Palace orchestra; Husk O'Hare's Cocoanut Grove orchestra; Capitol theater program; studio program.

WOQ, Kansas City, Mo. (278m-1080kc), 8-9 p. m., devotional musical program.

WORD, Batavia, Ill. (275m-1090kc), 7-7:45 p. m., musical program; 7:45-8, questions and answers; 9-9:45, studio recital, Cosmopolitan School of Music; 9:45-10, reading; 11-11:45, Public Service company program; 11:45, address, Ernest G. Wylam.

WQJ, Chicago, Ill. (447.5m-670kc), 11-12 m., talk, Mrs. Lillian Russell; talk, Lillian Krauter; 3-4 p. m., "Every Day Lunches," Helen H. Downing; "Suggestions for an Abraham Lincoln Party," Julia M. Deal; 7-8, Rainbo Gardens orchestra; Fontella trio; Kenneth Sterling, baritone; Lavina Price, pianist; 10-1 a. m., Jerry Sullivan; Rose Vanderbosch, soprano; Hal Lansing, ukulele soloist; Everett George Opie, Bert Davis; Merrill Carder, baritone; Will Rossiter; Brundage and Kraemer; Ila Shannabrook, soprano; Hollingsworth and Altamore; Mary Wade, soprano; Romo Vincent, boy baritone; 1-2, Ginger hour.

WSAI, Cincinnati, Ohio (325.9m-920kc), 5:30 p. m., twilight musicale, featuring Jack Little and Ray O'Vac twins; 7, Mabley and Carew orchestra, Reuben Lawson, director; 8, Eveready hour, WEAF; 9-9:30, auction bridge, WEAF; 9:30-10, musical program, featuring Hawaiian music; 10, Jack Little and Ray O'Vac twins.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., Lyon and King deluxe concert; 10:45, program, Mrs. Kell Martin, director.

WSM, Nashville, Tenn. (282.8m-1060kc), 10 p. m., frolic, Beasley Smith's orchestra studio.

WSUI, Iowa City, Iowa (483.6m-620kc), 12:30 p. m., C. Esco Obermann, tenor; address.

Mountain Time Stations

CFAC, Calgary, Can. (435.8m-688kc), 8:15 p. m., ladies concert trio.

KFWA, Ogden, Utah (261m-1150kc), 4-5 p. m., organ recital, Paramount theater; 5-6 Ogden Radio dealers program.

KFXF, Colorado Springs, Colo. (250m-1200kc), 8:30-10 p. m., Freeman Dust Absorber musical program.

KOA, Denver, Colo. (322.4m-930kc), 12:15 p. m., Rialto theater musicale; 3:15, relaxing and corrective exercises; 3:30, matinee for housewives; 4, culinary hints; 4:15, fashion review; 6:30, dinner concert, Brown Palace string orchestra, Howard Tillotson, director.

Pacific Time Stations

KFI, Los Angeles, Calif (468.5m-640kc), 5:30-6 p. m., Jose Arias Mexican orchestra; 6, nightly doings; 6:15, KFI's Seeing California; 6:30, vest pocket program; 6:45, radiotorial period; 7-7:30, Packard Six dance orchestra; 7:30-8, Chinese Gardens dance orchestra; 8-9, Dorothy Conant trio; 9-10, program arranged by Tilda Rhor, Swiss contralto; 10-11, Packard ballad hour of popular songs.

KFON, Long Beach, Calif. (223m-1290kc), 6-6:45 p. m., organ, Brayton's theater; 6:45-7, KFON gossip and amusement information; 7-8, Investors' hour; 8-9, Press-Telegram program; 9-11, Long Beach Aero club Hi-Jinks.

KFWB, Hollywood, Calif. (252m-1190kc), 5-6 p. m., children's hour, Big Brother of KFWB; 7:30, health talk, Dr. W. I. Schuster; 8-9, Hazel Thomas, soprano; Jack Smith's dance orchestra; 9-10, Joe Martin's California serenaders; Henry Kaplan, pianist; Bill Blake, tenor; 10-11, Warner Brothers frolic, direction Charlie Wellman.

KGO, Oakland, Calif. (361.2m-830kc), 7:15-7:30 a. m., health training exercises, Hugh Barrett Dobbs; 7:45, pep class; 8:30, "Daily Strength"; 11:30-1 p. m., Sherman Clay and company luncheon concert; 4-5:30, concert orchestra, Hotel St. Francis, Vinton La Ferrera, conductor; 5:30, "As a Woman Thinketh," Louise Landis; 6-6:55, dinner concert; 8-9, Eveready hour; Spanish program; William Dehe, cellist; Eva M. Garcia, pianist; Marion Vecki, baritone; 9-9:30, Mme. Rose Florence presents Mrs. Henri Bercut, soprano; Martha Jalava, mezzo-soprano; Ira D. Morgan, baritone; Irma Harris Vogt, accompanist; 9:30, auction bridge feature; 10-11, dance music program, Grivin-Deuel's California Collegians.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 7:45-8, talk, Oregon State Bankers association; 8-10, educational program; book review, J. K. Gill company; bridge; word cartoon on styles; McElroy string quartet; 10-12, Multnomah hotel, Curt Kremer, pianist.

KHJ, Los Angeles, Calif. (405.2m-740kc), 6-6:30 p. m., Leighton's Arcade cafeteria orchestra, Jack Cronshaw, leader; 6:30-7:30, history story, Prof. Hertzog; weekly visit of Queen Titania and the Radio Fairies; Lenore Killian, contralto; Charles Leslie Hill, readings; 7:30, talk on dogs, H. M. Robertson; 7:45, Christian Endeavor Message, Wm. Shaw, LLD.; 8-9:15, Oscar Seiling symphony orchestra; 9:15-10, Jose Arias and his Mexican orchestra.

KMTR, Hollywood, Calif. (233m-1260kc), 5-6 p. m., citizenship hour, Mammy Simmons, Boy Scouts and Campfire girls; 6-7, Starr Piano company studio; 7:30, "Diamond Mines of Central Africa," E. P. Barclay; 8-10, Turner orchestra, Loren Powell, director.

KNX, Hollywood, Calif. (336.9m-890kc), 5-5:30 p. m., Sunny Jim's talk; 5:30, First Presbyterian church organ; 5:55, town tattler; 6:15, travel talk, W. F. Alder; 6:30-7, Atwater Kent concert orchestra; 7-7:45, program, Cavalier Shoe Stores with Cavalier Hawaiians; 7:45, health talk, Dr. Robt. T. Williams; 8-9, program, Globe Ice Cream and Weber Quality Bread; 9-10, program, Western Auto Supply company; 10-11, Wampas frolic program, introducing the thirteen Wampas stars of 1926; 11-12, Ambassador hotel dance orchestra.

KPO, San Francisco, Calif. (428.3m-700kc), 1-2 p. m., Rudy Seiger's Fairmont hotel orchestra; 2:30, matinee program; 3:30-4:30, Cyrus Trobbe's Palace hotel concert orchestra; 5:15-6:15, children's hour stories; 6:40, Waldemar Lind and States Restaurant orchestras; 7-7:30, Rudy Seiger's Fairmont hotel orchestra; 8-9, program, Thirtieth Infantry band, Meyer M. Cohen, director; 9-10, program, Mona Motor Oil company; 10-11, Palace hotel dance orchestra, Gene James, director.

KPSN, Pasadena, Calif. (315.6m-950kc), 8-9:30 p. m., varied instrumental and vocal program.

KTAB, Oakland, Calif. (240m-1250kc), 9-9:30 a. m., prayer service, Rev. G. W. Phillips; 9:30-9:40, proper care of household pets, Ansel W. Robinson; 12-1 p. m., luncheon concert; 8-10, studio program.

Wednesday, February 3

Headliners Today

Eastern	Central	Mountain	Pacific
8:30 p. m.	7:30 p. m.	6:30 p. m.	5:30 p. m.

WBZ (333.1m-900kc) Tyrolean ladies' quartet.
WHO (526m-570kc) Four Husketeers.

9 p. m.	8 p. m.	7 p. m.	6 p. m.

WEAF (491.5m-610kc), WEEI, WCAP, WWJ, WCCO, WGR, KSD, WSAI, Ipana Troubadours.

9:30	8:30	7:30	6:30

KPRC (286.9m-1010kc) D. O. K. K. fraternal band.

10	9	8	7

KFWB (252m-1190kc) Joke contest.
KTHS (374.8m-800kc) Pan-American program.
WEAF (491.5m-610kc), WEEI, WTAG, WCAP, WWJ, WGN, WJAR, Roxy and his gang.

10:45	9:45	8:45	7:45

KTHS (374.8m-800kc), Southern Melodies.

11	10	9	8

WSAI (325.9m-920kc) Jack Little, Wendell Hall, Ray O'Vac Twins.

12 m.	11	10	9

KTHS (374.8m-800kc), Surprise de luxe.

Wednesday, silent night for: CHIC, CKNC, CNRA, CNRC, CNRE, CNRM, CNRR, CNRT, CNRV, KFAU, KFDM, KFEQ, KFKU, KFMQ, KFXF, KGO, KLDS, KOB, KTAB, WBAL, WBBR, WCAD, WCBD, WEBW, WFAA, WGBS, WGCP, WGST, WHAR, WHAZ, WIP, WJAD, WJAZ, WLWL, WMC, WOAI, WOAW, WOI, WPG, WRC, WREO.

Eastern Time Stations

CKAC, Montreal, Can. (410.7m-730kc), 1:45 p. m., Windsor trio.

CNRO, Ottawa, Can. (434.5m-690kc), 8 p. m., Chateau Laurier concert orchestra; Madame Maud Pouget, soprano; Gladys Ewart, pianist; James McIntyre, violinist; dance orchestra.

PWX, Havana, Cuba (400m-750kc), 8:30 p. m., general staff band.

WAFD, Port Huron, Mich. (275m-1090kc), 8-10 p. m., studio program; 1-2 a. m., studio program.

WAHG, Richmond Hill, N. Y. (315.6m-950kc), 12:03 p. m., musical program; 7:30, John Schiller's Moonlight Melodists; 8, Rosalie Wolf, soprano; 8:15, Philip A. Fey, tenor; 8:30, Jevva Blix, contralto; 8:45, Rosalie Wolf, soprano; 9, Nathan Weinberg, violinist; 9:15, Jevva Blix, contralto; 9:30, Evan Davies; 10:03, Raymond Maher, baritone; 10:20, Frank LaPiere's Collegians.

WBZ, Springfield, Mass. (333.1m-900kc), 6:30 p. m., Little symphony orchestra; 6:45, Hotel Kimball dance orchestra; 7:30, Radio nature league, Thornton W. Burgess; 8, Daniel Kuntz and his Repertory theater orchestra; 8:30, Tyrolean ladies' quartet; 9, "Browning's Love Point of View," Dr. D. M. Staley; 9:15, Henry Volk, violinist; Ernestine Harding Wilcox, soprano; Paul Breger, pianist; 10:05, Leo Reisman's Hotel Brunswick orchestra.

WCAE, Pittsburgh, Pa. (461.3m-650kc), 10:45 a. m., Gold Medal talk; 12:30 p. m., news; 6:30, dinner concert, William Penn hotel; 8, address; 8:30, Davis saxophone octet; 9, concert.

WCAP, Washington, D. C. (468.5m-640kc), 6:45-7:45 a. m., health exercises, WEAF; 7-11, addresses; U. S. Army band; Davis saxophone octet, WEAF; Ipana Troubadours, WEAF; Roxy and his gang, WEAF.

WCAU, Philadelphia, Pa. (278m-1080kc), 6:45 p. m., Parodians dance orchestra; 7:30, N. Snellenburg and company concert; 8, health talk; 8:10, Papa Bailey and his bunch; 8:50, "The Adventures of the 'Ethical Onion,'" T. Ronald Allen; 9, Rigo's Royal Gypsy band; 9:30, Jones' Jolly Four; 10, chat, Murray Elgart; 10:05, Lew Chapman's Inter-Fraternity dance orchestra; 10:45, Frank Cook, songs of yesterday; 11, Artie Bittong's Cheer-up club.

WCX, Detroit, Mich. (516.9m-580kc), 4 p. m., news and markets; 6, dinner concert, Book-Cadillac hotel; 8, program from studio.

WEAF, New York, N. Y. (491.5m-610kc), 10:45 a. m., Betty Crocker; 11:05, Elsie Harmon, soprano; Sophie Zeitz, contralto; 11:30, home management, Columbia university; 4 p. m., Ray Nichols Recording orchestra; 4:30, comedy songs, Dick Hughes; 4:45, "Modern European Fiction," Prof. Dorothy Brewster; 6, dinner music, Rose room, Hotel Waldorf-Astoria; 7, synagogue service; 7:30, Gania Zielinska, soprano; Giuseppe di Benedetto, symphonic instrumental quartet, WEAF, WOO, WJAR; 8:30, Davis Saxophone octet, WEAF, WEEI, WOO, WCAE, WSAI, WGR, WTAG, WCAP; 9, Ipana Troubadours, WEAF, WEEI, WCAP, WWJ, WCCO, WGR, KSD, WSAI; 10, Roxy and his gang, WEAF, WEEI, WTAG, WCAP, WWJ, WGN, WJAR; 11-12, Hughie Barrett and his orchestra.

WEAO, Columbus, Ohio (293.9m-1020kc), 4 p. m., story hour, Prof. Sada Annis Harbarger; 4:30, music; 8, "The Goal of Effective Speaking," Hayes Yeager; 8:15, music; 8:30, "Psychology and Personal Efficiency," Prof. H. E. Burtt; 8:45, music; 9, orchestra concert.

WEAR, Cleveland, Ohio (389.4m-770kc), 11 a. m., home service; 7 p. m., Hotel Cleveland orchestra.

WEBJ, New York, N. Y. (273m-1100kc), 8 p. m., Balconnades Ballroom orchestra; 8:45, Jeanne Adair, soprano; 9, Michele Bontempo, operatic baritone; Amalia Perrucci, accompanist; 9:15, Ben Ruty, Michael Savino, Hawaiian guitarists; 9:30, Busoni's Neopolitans.

WEEI, Boston, Mass. (348.6m-860kc), 6:45 a. m., tower health exercises; 7:45, morning watch, Estey organ; 3 p. m., Johnnie Bowles and his orchestra; 5:15, Joe Rines and his Hunters' Cabin orchestra; 7, big brother club; 7:30, musical; 7:45, Peerless tours, Joe Toye; 8:30, Davis saxophone octet; WEAF; Ipana Troubadours, WEAF; 10, musical program, Roxy and his gang, WEAF.

WFI, Philadelphia, Pa. (394.5m-760kc), 10:30 a. m., Betty Crocker; 10:40, solos; 1 p. m., Tea room ensemble; 3, Elizabeth Jackson, saxophonist; Daisy Sheppard Burnham, trumpeter; 3:30, Liberty concert ensemble; 6:30, Bellevue-Stratford concert orchestra; 7, Bellevue-Stratford dance orchestra.

WGBS, New York, N. Y. (315.6m-950kc), 10 a. m., timely talks; June Warren, pianist; beauty talk; 10:40, Olive Coe, house furnishing; 1:35 p. m., musical program; 3-4, special program for St. Joseph's home for the blind, Leonard Liebling, director; 6, Uncle Geebee; 6:30, Jersey Collegians.

WGCP, New York, N. Y. (252m-1190kc), 3 p. m., pianist; 3:20, songs, Bobby Grey; 3:30, Lillian Rubin, pianist; 3:55, dental talk, Dr. J. D. Schwarz; 4:15, Haines Good News party; 4:30, songs, Jeanne Adair; Tracy and Mohr; 5:10, Charlotte Trystman, pianist; 7, orchestra; 7:30, Kennedy Harmony group; 8, Charles and Henry Tobias; 8:15, Charol de Thome, concert pianist.

WGHP, Detroit, Mich. (270m-1110kc), 6 p. m., dinner concert, Hotel Tuller; 7, farm program; 8, classical concert; WGHP Little symphony orchestra; male quartet; Madame Gizi Szanto, pianist.

WGR, Buffalo, N. Y. (319m-940kc), 2:30 p. m., WGR's afternoon program; 6:30, Joe Armbruster's orchestra; 8:30, jointly with WEAF, Davis Saxophone octet; Ipana Troubadours; 10, A. Nusbaum presents a baritone and piano program; 10:30, novelty program, Jack Bishop; 11-1 a. m., supper dance music, Vincent Lopez' Hotel Statler dance orchestra, Harold Gieser, director, and Arthur Meigler at the organ.

WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., children's program; 6:45, dinner program, Eastman theater orchestra; 7:30, "Book of Knowledge," program; 8:05, musical program, WHAM.

WHN, New York, N. Y. (361.2m-830kc), 7-7:30 p. m., Ted Lewis and his orchestra; 7:30-8, Akradyne entertainers; 10-10:30, Roseland dance orchestra; 11, Silver Slipper orchestra; Lew Brown and Sidney Claire; 12-12:30 a. m., Cotton club orchestra; 12:30-1, Harry Richman and his entertainers.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:45 a. m., setting-up exercises; 7, setting-up exercises; 10:30, reducing exercises; 1 p. m., Gimbel tea room orchestra; 3, concert, Hyperion School of Music; 6:05, Benjamin Franklin concert orchestra; 7, Uncle Wip's bedtime stories.

WKAQ, San Juan, P. R. (340.7m-880kc), 6-8 p. m., municipal band.

WLIT, Philadelphia, Pa. (394.5m-760kc), 12:02 p. m., daily almanac; Stanley theater organ recital; Arcadia cafe concert orchestra; 2, Arcadia cafe concert orchestra; 4:30, recital; 7:30, Dream Daddy's bedtime stories; 8, recital; 9, concert; 10, Arcadia cafe dance orchestra.

WMBF, Miami Beach, Fla. (384.4m-780kc), 7-9 p. m., Fleetwood Radio orchestra; 10-1 a. m., Gene Fosdick and his orchestra; Fleetwood Radio orchestra.

WNYC, New York, N. Y. (526m-570kc), 6:20 p. m., piano selections; 6:30, Elementary and Advanced Spanish lessons, V. Harrison Berlitz; 7:35, Bernard's New York Six; 8:30, William Lang, violinist; 9:15, song recital; 9:30, instrumental program; 10:10, lecture.

WOO, Philadelphia, Pa. (508.2m-590kc), 11 a. m., organ recital; 12:02 p. m., Golden's Crystal tea room orchestra; 4:45, organ recital; 7:30, Hotel Sylvania dance orchestra; 8, U. S. Army band; 8:30, Davis saxophone octet; 9, WOO American male quartet; 9:25, address, Rev. Forest Dager; 10, Fox theater studio program; 10:30, Hotel Sylvania dance orchestra.

WOR, Newark, N. J. (405.2m-740kc), 3 p. m., magazine review; 6:15, "Words Often Mispronounced"; 6:17, Bill Wathey, sport editor; 6:30, Jacques Jacobs' ensemble; 7:30-7:45, Zit's Central Park Casino orchestra; 8, topics of the day, Spencer Armstrong; 8:15, Ballin and Race, piano duo; 8:40, Sam Siegel, mandolin virtuoso; 9, Ballin and Race, piano duettists; 9:30, Sam Siegel, mandolin, virtuoso; 11-12 midnight, Katinka orchestra.

WRC, Washington, D. C. (468.5m-640kc), 10 a. m., women's hour, WJZ; 12 noon, organ recital, Gertrude Smallwood; 1, Lee House trio, Sam Udrin, director; 4:15, Meyer Davis' Le Paradis band; 5, musical program; 5:45, "Things Talked About," Mrs. Nina Reed.

WRVA, Richmond, Va. (256m-1170kc), 8-11 p. m., Burkeville Booster club; Piedmont Sanatorium Negro chorus; 10, orchestra; 11, Carry Me Back to Old Virginny.

WTAG, Worcester, Mass. (268m-1120kc), 10:30 a. m., musical selections; 10:45, talk to housewives, Mrs. Lyda Flanders; 12:05-2 p. m., noon-day luncheon music, WTAG; 3-5, Tea Dansant music; 7, talk, Robert K. Shaw; 7:15, "The Twinkle Twinkle Story Teller"; 7:45, Spanish lesson, Mrs. John De La Parra; 8:30-9, Davis saxophone octet, WEAF; 10-11, Roxy and his gang, WEAF.

WTIC, Hartford, Conn. (475.9m-630kc), 6:30 p. m., dinner music, Hotel Bond trio; 8, studio concert; 9, talk, "Life Insurance—The High Spots," B. H. Camp; 9:15, piano recital, compositions of Cecile Chaminade, Laura C. Gaudet; 9:30, organ recital; Esther A. Nelson.

WWJ, Detroit, Mich. (352.7m-850kc), 7:30-8 a. m., setting-up exercises, R. J. Horton; 9:30, "Tonight's Dinner," talk, woman's editor; 10:45, home service talk, Betty Crocker; 12:05, Jules Klein's Hotel Statler orchestra; 3, Detroit News orchestra; 6, dinner concert; 8, News orchestra and soloists; 9, dance program; 10, Roxy and his gang.

Central Time Stations

CKY, Winnipeg, Can. (384.4m-780kc), 7:30 p. m., CNRW.

CNRW, Winnipeg, Can. (384.4m-780kc), 7:30 p. m., bedtime story, Aunt Grace; 7:50, Fort Garry hotel orchestra; 8:45, Gladys Senior, harpist; Helen Tennent, soprano; Jean Campbell, reader; Jean Campbell, bagpipe selections; John Barrie, tenor; 10, Fort Garry hotel orchestra; selections, Al Kilgour.

KFAB, Lincoln, Nebr. (340.7m-880kc), 10:30 a. m., "Revelations of a Clothes Closet," Ella Cushman; 8:05 p. m., "Factors Affecting the Gasoline Mileage of Automobiles," C. W. Smith; "Our Future Beef Supply," H. J. Gramlich; 8:30-10:30, Belshaw's orchestra; Olive Fletcher, Ruby Teater; Ralph Hall, banjoist; Lincoln guitar orchestra; Slick Merriman.

KFH, Wichita, Kan. (268m-1120kc), 9-10 p. m., National Savings Life Insurance company orchestra.

KFMQ, Fayetteville, Ark. (299.8m-1000kc), 7:30 p. m., university alumni night; talks, music, university glee club, orchestra and band; stunts, student organization.

KFRU, Columbia, Mo. (499.7m-600kc), 9-11 p. m., musical program.

KFUO, St. Louis, Mo. (545.1m-550kc), 9:15 p. m., "Does Science Conflict With the Bible?" Prof. Th. Graebner; music.

KMA, Shenandoah, Ia. (252m-1190kc), 9-9:45 a. m., music; current topics, G. H. Van Houten; 11:30-12:30, noonday rural program; music; garden talk, Earl May; 6-7, domestic science talk, Le Ona Teget; news items; music; 9-11, songs and clog dance, Bobbie and Babe Riddle; Scotch program, Mr. Forbes, director.

KPRC, Houston, Tex. (296.9m-1010kc), 12 m., Lions' club luncheon program, I. C. Timmins, president; 5:30 p. m., Uncle Judd's kiddies' hour; 7:30, E. W. Rodgers, tenor, and his uke; 8:30, D. O. K. K. fraternal band, V. Kucera, director; 11, Palace theater orchestra, Charles McBlain, conductor.

KSAC, Manhattan, Kans. (340.7m-880kc), 9-9:25 a. m., music, inspirational talks, agricultural primer, calisthenics; 9:55-10:25, readings, backyard gossip, question box, planning today's meals; 12:35-1:05 p. m., readings, question box; "Selection and Care of Breeding Flock," J. H. McAdams; "Pruning Apple Trees Before They Bear," L. C. Williams; 4:30-5, basketball lectures; 6:30-7:30, sports, inventions; Extension credit course, Agricultural Journalism; Extension credit course, "Planning the Road System," M. W. Furr; "Cold Weather Hints for Automobile Operation," Ray Flagg.

KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., fur hour; program, Hotel Statler orchestra; 8, Ipana Troubadours, WEAF.

KSO, Clarinda, Ia. (242m-1240kc), 12:30-1:15 p. m., farmer dinner concert; 7-7:30, music; health talk, Dr. F. H. Clark; 7:30-9, First Presbyterian church choir, Mrs. Leo Humphrey, director.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 12:30-1 p. m., orchestra; 9-9:45, Pan-American program, Spanish announcement, Leon Numainville; 9:45-10, Southern melodies, Lawson Reid; 10-10:15, W. C. Brown, baritone; Arthur Platz, accompanist; 10:15-11, dance frolic, Southerners Majestic hotel orchestra; popular vocal numbers, Mrs. Harry A. Jones; 11-11:45, surprise de luxe feature.

KYW, Chicago, Ill. (536m-560kc), 11:35 a. m., table talk, Mrs. Anna J. Peterson; 12 m., Commonwealth Edison company; 1 p. m., Joska De Babary and his orchestra; Coon-Sanders Original Nighthawks; 6-7, dinner music, KDKA, WBZ, KYW, KFKX; 7, bedtime story, Uncle Bob; 7:05, bedtime story, Uncle Bob; 7:30, half hour of music; 8, Congress hotel musicale; 10-12:30 a. m., midnight revue; Paul Ash and his orchestra; Coon-Sanders Original Nighthawks; 1, Insomnia club.

WAMD, Minneapolis, Minn. (244m-1230kc), 12 noon, Dorothy Vanesek, soprano; Ted Johnson, violinist; Oscar Westlund, accompanist; trio; 7:10, Rose Schaettgen, violinist; Edna Weese, soprano; Charles Sandberg, baritone; Don Harris, pianist.

WBBM, Chicago, Ill. (266m-1130kc), 4-6 p. m., Valentino Inn orchestra; artists; 8, string trio; Moulin Rouge orchestra; Sunset quartet; 12-2, artists; Two Jays.

WBCN, Chicago, Ill. (266m-1130kc), 10-10:30 a. m., Penny Wise, the shoppers' ready helper, shopping talk; 7-8, classical hour; Emily Stone, violinist; Ada Mae, tenor; Ethel Eaves Price, soprano; Alice McMahon Stone, accompanist; Lemmyon Amoureaux, French tenor; Ethel Eaves Price, soprano; Alice McMahon, contralto; Margaret McArthur, pianist; John Williams, baritone.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 10:45 a. m., "Do You Entertain Easily," Betty Crocker; 2 p. m., woman's hour; 2:30, afternoon concert; 4, readers' club, Eleanor Poehler; 5:30, children's hour; 7, mid-week church service; 8, program, WEAF, Ipana Troubadours; 9, traffic safety talk, M. R. Bass; 10:05, dance program, Emmet Long's Golden Pheasant orchestra; 11:30, organ recital, Eddie Dunstedter.

WDAF, Kansas City, Mo. (365.6m-820kc), 10:45-11 a. m., Betty Crocker, home service talk; 6-7 p. m., the Tell-Me-a-Story lady; address, Ralph E. Herrick; The Trianon ensemble; 8-9, "Beauty and the Jacobin," WDAF players; 9-10, classical musical program, The Star's string ensemble; 11:45-1 a. m., Plantation players; Eddie Kuhn's orchestra.

WDOD, Chattanooga, Tenn. (256m-1170kc), 6:30-7 p. m., organ music, Tivoli theater; 7-8, Hotel Platten orchestra; 8:15, special features and program.

WEBH, Chicago, Ill. (370.2m-810kc), 11:30-12 noon, woman's half hour; 3-4 p. m., special features; 7-8, Oriole orchestra; Emerson Military band; 9-10, Oriole orchestra; 11-12:30 midnight, Oriole orchestra; Irene Beasley; Edgewater Beach hotel orchestra.

WFAA, Dallas, Tex. (475.9m-630kc), 12:30-1 p. m., Sears-Roebuck Agricultural Foundation program.

WGES, Oak Park, Ill. (250m-1200kc), 5-7 p. m., basso, pipe organ, tenor; 8-9, orchestra, contralto; 11-1, Coyne serenaders, comedian, organ, tenor, piano, orchestra.

WGN, Chicago, Ill. (302.8m-990kc), 10-11 a. m., public service period; 11-11:30, household hints; 12:01-12:30 p. m., Walter Murray; 12:40-2:30, luncheon concert, Drake concert ensemble and Edward Benedict, organist; 2:30-3, Lyon and Healy artists; 3:25-3:30, Port o' Missing Men; 3:30-4:15, tea time music, Marshall Field's tea room orchestra; 4:30-5, organ recital, Edward Benedict, organist; 5:30-5:57, Skeezix time; 6:30-7, dinner concert, Drake concert ensemble and Edward Benedict, organist; 8-9, Hamilton club chorus; 9-10, Roxy and his gang, WEAF; 10-11, dance program.

WHAD, Milwaukee, Wis. (275m-1090kc), 11 a. m., pianologue, Andy Hertel; the Housewife; 4 p. m., "With the Humorists," John R. Wolfe; Mrs. Marie Weiss, pianist; Linda Hering, saxophone; 6:15-7, Arthur Richter, organist; 10:30-11:30, popular dance hits, Dexter's Wisconsin and Elger's Creole roof orchestras; 11:30-12:30 a. m., Edmund Fitch, organist.

WHAS, Louisville, Ky. (399.8m-750kc), 1-2 p. m., concert, Barney Rapp's orchestra; 3-3:30, organ recital, Myrtle Fulks Zahn; 4-5, concert, Harry Currie's Music Box; readings; 7:30-9, concert, Royal Peacock orchestra.

WHO, Des Moines, Iowa (526m-570kc), 6:30-7:30 p. m., Reese-Hughes orchestra; 7:30-9, Kate Miller, whistler; Maude Hughes, accompanist; Harry Lewis, popular songs; Leonard Kirkwood, pianist; Four "Husketeers"; Norman Jackson, Hawaiian guitarist; 9-12, dance program.

WHT, Chicago, Ill. (399.8m-750kc), 10 a. m., women's club, Jean Sargent; Borden's health talk; music; 10:45, home service, Betty Crocker; 11, Drama league talks; 11:15, one-act play; 12 m., organ recital, Al Carney; 6-7:30 p. m., Jean Carlson; Peter Porstner; Pauline Peebles; Grayling's string trio; Edwin Kemp, tenor; (238m-1260kc), 7:45-9:15, Alamo orchestra; (399.8m-750kc), 9:30, organ recital, Al Carney; Hickey and Johnson, Hawaiian harmony; Manoloff Russian string quartet; Ray Lawson, tenor; Chez Pierre orchestra; Ruby Rossinia, popular songs; 10:10, Ray-O-Vac entertainment; 12, "Your Hour League," Pat Barnes and Al Carney.

WIBO, Chicago, Ill. (266m-1330kc), 10-11 a. m., shoppers' bureau, Grace Viall Gray; 2-4 p. m., popular shut-in program; 6-8, dinner concert, Walter Preston; WIBO trio; Florence Osterman, contralto; Christopher Hendra, tenor; Hicky and Johnson, Marie Wright.

WJJD, Mooseheart, Ill. (370.2m-820kc), 4-5 p. m., Mooseheart hour; music, younger children; daily assembly of 1,256 children; faculty talks; 6-7, instrumental hour, Howard L. Peterson playing Geneva organ; Palmer symphonic players; Palmer House Victorians; 8-9, Mooseheart children's hour, music, children of all ages, solos, band, etc.; talk, Matthew P. Adams; 10-11, R. V. Thomas, bass; John Rankel, tenor; 12:30-1:30 a. m., settin'-up hour, Garod studio, Palmer House; Palmer House Victorians.

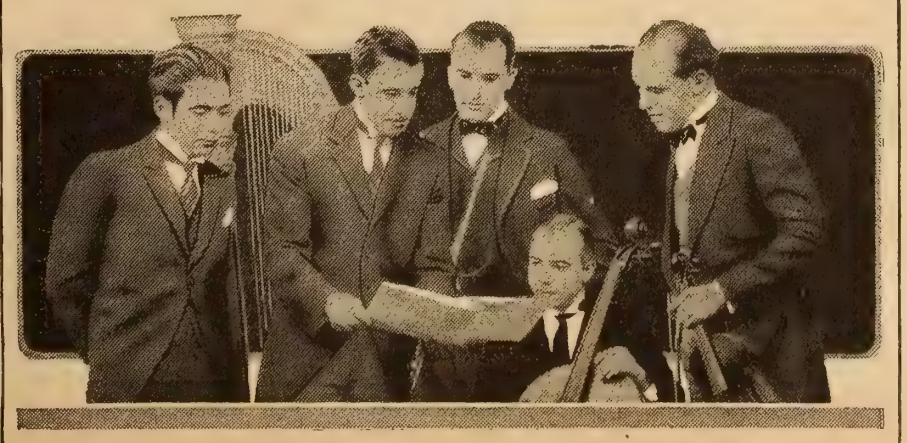
WKAF, Milwaukee, Wis. (261m-1150kc), 10-11 p. m., Campus Skylarks; Harmony duo.

WKAR, Lansing, Mich. (285.5m-1050kc), 7:15-8 p. m., horticultural course, "Training the Young Fruit Tree," H. D. Hootman; "Economy and Efficiency in Spraying," H. A. Cardinell.

WLIB, Chicago, Ill. (302.8m-990kc), 7-8 p. m., dinner concert; 11-12, popular program; 12-1 a. m., dance program.

WLS, Chicago, Ill. (344.6m-870kc), 12 m., Ford and Glenn; 6 p. m., R. F. D. program; WLS studio trio; 6:40, Ralph Emerson, organist; 7, Ford and Glenn; 7:15, WLS studio trio; 7:45, Rodeheaver's program; 8:15, Ernest Moller, pianist; 8:30, Ford and Glenn; 9, WLS theater; 9:30, Pan Candy Boys trio; 10, Garrett male glee club; 10:40, Goldie Gross, cellist; 11, WLS circus program.

WLW, Cincinnati, Ohio (422.3m-710kc), 7:30 a. m., healthful exercises, William Stradtman; 8, morning devotions, auspices of the Parkway Y. M. C. A.; 12:05 p. m., musical novelties, Irene Downing, player-



Five prominent Memphis musicians comprise the Cortese ensemble which will give classical programs at WMC, each Monday and Thursday night at 8:45 p. m. Central time. Members of the group are: Angelo Cortese, harpist; Joseph Cortese, violinist; John Cortese, flutist; Santa Pappalardo, cellist and Fausto Gaitan, pianist.

WGY SUPERPOWER TESTS JANUARY 30-31

Wednesday, February 3

roll artist; 3, Kroger cooking chats, Judith Anderson, shut-in program, directed by William Duning; 7, concert, Hotel Gibson orchestra, Robert Visconti, director; 7:30, address, representative of the Ohio Farm Bureau federation; 11, "The Boys from Home," Ronald West James Buchanan, popular songs; 11:15, musical news, Johanna Grosse, editor and organist; 11:40, pianologs, Newport, Carl Bamberger.

WMAQ, Chicago, Ill. (447.5m-670kc), 12:45 p. m., Radio farm school; 1, Chicago Association of Commerce luncheon; 2, shut-in program; 4, recipes, Mrs. E. O. Hiller; 4:30, pupils, Starrett school; 5:15, Georgene Faulkner; 6, Chicago theater organ recital; 6:30, Hotel La Salle orchestra; 8, lecture, Northwestern university; 8:25, birthstones, Fred M. Lund; 8:35, Lester Mather, pianist; 9, Chicago Association of Commerce talk; 9:20, WMAQ players; 9:55, chimes.

WMBB, Chicago, Ill. (250m-1200kc), 7-8 p. m., Trianon duo; Sascha Corado, concert baritone; Elizabeth Moritz, pianist; Veronica Krebs, contralto, semi-classical program; 9-11, Trianon orchestra, Dell Lampe, conductor; Woodlawn theater orchestra, Armin F. Hand, conductor; Cecil and Esther Ward, Hawaiian guitars; Billie Allen Hoff, Nina Smiley, Wilson & Davis, popular program.

WOAI, San Antonio, Tex. (394.5m-700kc), 3 p. m., Radio Trades association concert; 8:30, Army night program.

WOAW, Omaha, Nebr. (526m-570kc), 12:45 p. m., Phyllis Griswold, organist; 4:10, Feierman and Abbott.

WOC, Davenport, Ia. (483.6m-620kc), 12:15-12:25 p. m., "Dairy Day," C. M. Long; 4-4:45, musical program, juveniles, Elizabeth Gimbel, director; 5:45-6, chimes; 9-10, Erwin Swindell, organist; Agnes O. Bodeen, contralto.

WOI, Ames, Ia. (270m-1110kc), 10 a. m., "Trend of the Horse Industry," Carl Kennedy; 12:45 p. m., poultry husbandry, Prof. H. A. Bittenbender; 2, "Every Day Courtesies," Ruth Lindquist; "Home as the College Student Views It," Dr. O. H. Cessna; 2:45, "Influence of Sunlight on Hatchability of Eggs," L. F. Payne; 4:30, address, Dr. W. H. Burr; 8, address, Hon. Sam R. McKelvey.

WOK, Chicago, Ill. (217.3m-1380kc), 4:30-7 p. m., Tearney's Town Club Twilight dansant; Capitol theater organ; Lillian Knowles, contralto; 10-1:30 a. m., Tearney's Town club orchestra; Carl Lorraine's Pershing Palace orchestra; Husk O'Hare's Cocoanut Grove orchestra; Capitol theater program; studio program.

WORD, Batavia, Ill. (275m-1090kc), 7 p. m., program, North Shore line; 7:45, reading from, "The Harp of God"; 9-10, I. B. S. A. Choral singers; lecture, C. H. Swingle.

WQJ, Chicago, Ill. (447.5m-670kc), 11-12 m., "Child Welfare," Dr. Lena K. Sadler; 3-4 p. m., "Dishes on the Side," Helen H. Downing; Lavina Price, pianist; "Dish That Is Not Fishy," Jean K. Rich; 7-8, Rainbo Gardens orchestra; Everett G. Mitchell, baritone; Maude Shapton Couse, soprano; Doris Gross, reader; 10-1 a. m., Rainbo Skylarks; Melodians; Clarence Theders, tenor; J. Edwin Peterson, bass; George Thurn, kazoo soloist; Oxford girls; Thelma Pefferle, soprano; 1-2, Ginger hour.

WSAI, Cincinnati, Ohio (325.9m-920kc), 7 p. m., Ray O'Vac twins; 7:30, Davis Saxophone octet, WEAF; 8, Ipana Troubadours, WEAF; 9, program, Jack Little; 10, talk, Prof. V. H. Doufner; 10:15, Congress Playing Cord string quartet; 12, Jack Little and Ray O'Vac twins.

WSB, Atlanta, Ga. (428.3m-700kc), 10:45 p. m., Biltmore hotel orchestra.

WSM, Nashville, Tenn. (282.8m-1060kc), 6:30 p. m., concert, Francis Craig's orchestra; 7, bedtime story interlude; 8, program, Dutch Erhart's syncopators; 10, frolic, Joe Combs, tenor and Eric Nissen, pianist.

WSUI, Iowa City, Iowa (483.6m-620kc), 9 a. m., High School assembly program; 12:30 p. m., Anna Diller Starbuck, pianist; address; 7:30, musical program.

Mountain Time Stations

CFAC, Calgary, Can. (435.8m-688kc), 4 p. m., Red Cross address; 8, St. David's society.

KFWA, Ogden, Utah (261m-1150kc), 4-5 p. m., organ, Paramount theater; 5-6, Ogden Radio dealers' program; 9-10:30, music, Paramount theater; 10:30-12, Olie Reeves and his orchestra.

KOA, Denver, Colo. (322.4m-930kc), 12:15 p. m., Rialto theater musicale; 6:30, dinner concert, Brown Palace string orchestra, Howard Tillotson, director; 7:30, Book of Knowledge; 8, instrumental program; 8:15, studio program; vocal selections; Apollo male quartet; Helen C. Shoecraft, soprano; tenor solos, Elmer Grundy and Dr. L. F. Reynolds; characterization of "The Raven," E. J. Reed; R. O. Butcher, bass solo; Miscellaneous readings, Bertha Van Norman Jones; Carl G. Schulken, piano solos; instrumental trio selections, James H. Adair, violinist; Carl G. Schulken, pianist, A. J. Greiger, cellist; violin numbers, James H. Adair, and instrumental music, KOA orchestra.

Pacific Time Stations

KFI, Los Angeles, Calif. (468.5m-640kc), 5:30-6:30 p. m., popular song matinee; 6, nightly doings; 6:15, KFI's Seeing California; 6:30, vest pocket program; 6:45, Radiotorial period; 7-7:20, Nick Harris' detective story; 7:20-8, Al Wesson and his dance orchestra; 8-9, program, Ventura Refining company; Ventura string quartet; 9-10, Pasadena Athletic and Country club quintet; 10-11, Patrick-Marsh dance orchestra, Betty Patrick, soloist.

KFON, Long Beach, Calif. (233m-1290kc), 6-6:45 p. m., Organ, Brayton's theater; 6:45-7:15, KFON gossip and amusement information; 7:30-8, Long Beach Municipal band; 8-9, Press-Telegram program; 9-10, studio program.

KFWB, Hollywood, Calif. (252m-1190kc), 5-6 p. m., children's hour, Big Brother of KFWB; 7-7:30, Mutual Motors joke contest; 8-9, program, John Wright, the Right Tailor; 9-10, Bill Hatch's Oakmont Country club dance orchestra; Frank Stever, baritone; 10-11, Warner Brothers' frolic, direction Charlie Wellman.

KGO, Oakland, Calif. (361.2m-830kc), 7:15-7:30 a. m., health training exercises, Hugh Barrett Dobbs; 7:45, pep class; 8:30, "Daily Strength"; 8:45, Mme. Elfrieda Wynne, inspirational songs; 11:30-1 p. m., Pacific States Electric company luncheon concert; 3-4, speech; Edna Linkowski, pianist; James Rhea, tenor; Mrs. Bacon, mezzo-soprano; 4-5:30, concert orchestra, Hotel St. Francis, Vinton La Ferrera, conductor; 5:30, Mr. Fix-it; 6-6:55, dinner concert.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert, Olds, Wortman and King company; 8-9, concert, Seventh United States Infantry band; 9-10, concert; 10-11, concert, Sherman Clay and company Duo Art studio.

KHJ, Los Angeles, Calif. (405.2m-1740kc), 6-6:30 p. m., Leighton's Arcade cafeteria orchestra, Jack Cronshaw, leader; 6:30-7:30, history story, Prof. Hertzog; Dick Winslow, juvenile reporter; Mickey McBan, screen juvenile; Glenn Fitz and Vivian Marple; 8, Dr. Mars Baumgardt, scientific lecturer; 8:30-10:30, program, Stewart-Warner products.

KLX, Oakland, Calif. (508.2m-590kc), 4-5 p. m., women's hour; 5-5:30, Aunt Elsie's sunset matinee; 6:30-7, Athens Athletic club orchestra; 8-9, educational program; 9-10, studio program.

KMTR, Hollywood, Calif. (238m-1260kc), 5-6 p. m., home hour, Mammy Simmons and pupils of Geraldine Kasal, Irene Bennet, Louise Trosper; 8-10, The Turner orchestra, direction Loren Powell; 10-11, Starr Piano company studio.

KNX, Hollywood, Calif. (336.9m-890kc), 5-5:30 p. m., Sunny Jim's talk; 5:30, First Presbyterian church organ; 5:55, Town Tattler; 6:15, travel talk, W. F. Alder; 6:30-7, Atwater Kent concert orchestra; 7-8, Ambassador hotel concert orchestra; 8-9, feature program; 9-10, program, John A. Vaughn corporation with Riviera orchestra; 10-12, Ruth Roland and G. Allison Phelps program.

KOAC, Corvallis, Ore. (280.2m-1070kc), 7:20 p. m., musical selections; 7:30, "Selection of Hats," Gladys Peterson; 7:45-8, "Posture and Relaxation," Doris M. Thornely.

KPO, San Francisco, Calif. (428.3m-700kc), 1-2 p. m., Rudy Seiger's Fairmont orchestra; 2:30, matinee program, James Lono's Hawaiian orchestra; 3:30, fashion talk; 5:15-6:15, children's hour stories; 6:40-7, Waldemar Lind and States Restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel orchestra; 8-9, program, Atwater Kent artists; 9-10, dance music, Goodrich Silvertown Cord orchestra; 10-11, Waldemar Lind and States Restaurant orchestra.

KPSN, Pasadena, Calif. (315.6m-950kc), 8-9:30 p. m., Star-News.

KTAB, Oakland, Calif. (240m-1250kc), 9-9:30 a. m., prayer service, Rev. G. W. Phillips; 12-1 p. m., luncheon concert; 8-10, program, Kiwanis club orchestra.

KWSC, Pullman, Wash. (348.6m-860kc), 7:30-9 p. m., piano solos, Bernice Metz; vocal solos, Paul Christen; violin solos, Jerry Satola; "What Is a Mechanical Engineer," Prof. A. C. Abell; farm crops; reading, Loyt Pound; book reviews, Alice Lindsay Webb.

Thursday, February 4

Headliners Today

Eastern	Central	Mountain	Pacific
7:30 p. m.	6:30 p. m.	5:30 p. m.	4:30 p. m.

WEAF (491.5m-610kc) Smith Brothers.

8	7	6	5

WBAL (246m-1220kc) Sidney Lanier Memorial concert.

WEAF (491.5m-610kc), WEEI, WGR, WWJ, WFI, WTAG, WOC, WCCO, KSD, WCAE, WEAR, Larkinites.

9	8	7	6

WBZ (333.1m-900kc) Philharmonic trio.

WNYC (526m-570kc) Piano recital.

9:30	8:30	7:30	6:30

CKY (384.4m-780kc) Simpson's hour.

11:10	10:10	9:10	8:10

KTHS (374.8m-800kc) Opera group.

11:15	10:15	9:15	8:15

WSAI (325.9m-920kc) Jack Little, Wendell Hall, Ray-O-Vac Twins.

Thursday, silent night for: CHIC, CKNC, CNRA, CNRE, CNRO, CNRR, CNRT, CNRV, CNRW, KFAB, KFAU, KFDM, KFEQ, KFMX, KFOA, KFUO, KFVE, KFWA, KGW, KLDS, KLX, KOA, KOAC, KOB, KWSC, PWX, WAFD, WAHG, WCAP, WCEE, WDOD, WEAO, WEBJ, WEBW, WHAD, WHAZ, WJJD, WLIT, WOAI, WOR, WSM, WSUI, WTAM.

Eastern Time Stations

CKAC, Montreal, Can. (410.7m-730kc), 4:45 p. m., Windsor hotel dance orchestra; 7:30, CNRM.

CNRM, Montreal, Can. (410.7m-730kc), 8:30 p. m., Viola Benoit, soprano; George Ferguson, tenor; Goldie Bertels Geiger, violinist; "Unknown Canada," C. Price Green.

WAHG, Richmond Hill, N. Y. (315.6m-950kc), 12:03 p. m., Grebe matinee trio.

WBAL, Baltimore, Md. (246m-1220kc), 6-6:30 p. m., "Songs and Stories of Why and When," Hazel Knox; 6:30-7, Peabody Conservatory of Music; 7-8, WBAL dinner orchestra; 8-9, Sidney Lanier Memorial concert, Johns Hopkins orchestra, Charles H. Bochau, conductor; Helen Broemer, cellist; Fred Gottlieb, flutist; William G. Horn, baritone; Howard R. Thatcher, organist.

WBBR, New York, N. Y. (273m-1100kc), 8 p. m., Hawaiian music, Eric Howlett, Donald Haslett and Albert Koons; 8:10, Alice Merrill, soprano; 8:20, Bible lecture, "The Dead to Return to Earth," S. M. Van Sipma; 8:40, Alice Merrill, soprano; Hawaiian music.

WBZ, Springfield, Mass. (333.1m-900kc), 6:30 p. m., Little symphony orchestra; 7, Hotel Kimball dance orchestra; 7:45, Mass. Aggie Radio forum; 8, Noyes Buick company program, Leo Reisman's orchestra; 9, Madame Tosi and Philharmonic trio; 9:30, Arthur Clifton, organist; 10:05, McEnelly and his Victor Recording orchestra.

WCAE, Pittsburgh, Pa. (461.3m-650kc), 12:30 p. m., news; 4:30, sunshine girl; 6:30, dinner concert, William Penn hotel; 7:30, children's period; address; 8, Larkin period; 8:30, Hires Voyageurs; 9, Clicquot club entertainers; 10, concert, Silvertown Cord orchestra.

WCAP, Washington, D. C. (468.5m-640kc), 6:45-7:45 a. m., health exercises, WEAF.

WCAU, Philadelphia, Pa. (278m-1080kc), 6:30 p. m., Billy Hayes and his Cathay Tea Garden dance orchestra; 7:30, concert, N. Snellenburg and company; 8, Mitchell Gondoliers; 8:15, Michael Fonticoli, operatic tenor; Virginia Klein, pianist; 8:45, Kandy Kids; 9, Barry O'Moore, Irish tenor; 9:30, Musical Chefs; 9:45, burlesque lesson, Professor Doolittle; 10, Sesqui-Centennial hour; 11, Parodians dance orchestra; 11:30, Club Cadix revue.

WCX, Detroit, Mich. (516.9m-580kc), 4 p. m., news and markets; 6, dinner concert, Book-Cadillac hotel; 8, studio program.

WEAF, New York, N. Y. (491.5m-610kc), 11 a. m., Pauline Watson, violinist; 11:30, "Cookery," Columbia university; 4 p. m., Mario Alvarez, Spanish baritone; 4:15, Nichols instrumental trio; 6, dinner music, Hotel Waldorf-Astoria; 7, mid-week hymn sing; 7:30, Smith Brothers; 8, Larkinites, WEAF, WEEI, WGR, WWJ, WFI, WTAG, WOC, WCCO, KSD, WCAE, WEAR; 8:30, Hire's Harvesters, WEAF, WEEI, WFI, WCAE; 9, Clicquot Club Eskimos, WEAF, WEEI, WJAR, WTAG, WFI, WCAE, WSAI, WEAR, WGR, WWJ, WOC, WCCO, KSD, WGN; 10, Silvertown Cord orchestra, WEAF, WEEI, WGR, WWJ, WFI, WTAG, WOC, WCCO, KSD, WCAE, WJAR, WADC, WLIB; 11-12, Vincent Lopez and his orchestra.

WEAO, Columbus, Ohio (293.9m-1020kc), 1:15 p. m., "Why and Wherefore," Prof. L. M. Montgomery; 8, "How to Select the Breeding Flock," Prof. E. L. Dakan; 8:15, children's hour, Uncle Al; 8:30, "Moving Pictures and Vision," Prof. Howard D. Minchin; 9, physics lecture; 10, orchestra concert.

WEAR, Cleveland, Ohio (389.4m-770kc), 11 a. m., home service talk; 7 p. m., Hotel Statler concert orchestra; 8, Larkinite Four, WEAF; 8:30, Workrite Radio artist; 9, Clicquot Club Eskimos, WEAF; 10, Vincent Percy organ recital.

WEEI, Boston, Mass. (348.6m-860kc), 6:45 a. m., Tower health exercises; 7:45, morning watch, Estey organ studio; 1 p. m., assembly luncheon, Chamber of Commerce; 3, Lou Klayman and his orchestra; 6:15, Dick Eisenbourg and his Sinfonians; 7, Big Brother club; 7:30, talk, "Twenty-three Years of Retailing Drugs; 8, Larkinites, WEAF; 8:30, Hire's Voyageurs, WEAF; 9, Clicquot Club entertainers, WEAF; 10, Silvertown Cord orchestra, WEAF.

WFI, Philadelphia, Pa. (394.5m-760kc), 1 p. m., Tea Room ensemble; 3, Temple Women's club; 6:30, Bellevue-Stratford concert orchestra; 7, Bellevue-Stratford dance orchestra; 7:15, beauty culture talk, Madame Rubinstein; 8, Larkinites; 8:30, Hire's Harvesters; 9, Clicquot Club Eskimos; 10, Silvertown Cord orchestra.

WGBS, New York, N. Y. (315.6m-950kc), 10 a. m., timely talks; T. Edgar Schewe, pianist; 10:20, "Better Homes and Gardens," Alice Clark Barnhill; 10:40, Hazel Lee, reader; 1:35 p. m., Crescent City trio; 3-4, Woman in the Home program; 6, Uncle Geebee; 7:30, "Tour of the Galleries," Henriette Weber; 7:45, Crystal Palace orchestra; 8:30, talk, Oliver Sayler; 10:30, Vanderbilt hotel orchestra.

WGCP, New York, N. Y. (252m-1190kc), 3 p. m., Elvira Rosa Geiger; 3:20, Davis and Galiaci; 3:30, Nat Osborne and Johnny Tucker; 3:45, studio program; 4:10, Harold Glenn, whistler; 4:30, White Rose Melody boys; 5:10, Sylvia Schatz, pianist; 8:30, Strickland's orchestra; 9, Piotti, Val and Lloyd; 9:15, Eva Rothenberg, pianologist; 9:30, Judith Roth, soprano; 9:45, Max Heitt, violinist; 10, Ruby Cowan, entertainer; 10:30, Strickland's orchestra.

WGHP, Detroit, Mich. (270m-1110kc), 6 p. m., dinner concert, Hotel Tuller; 7, farm program; 8, Dodge Brothers band, Eugene La Barre, conductor; 10, popular program; Skylark dance band; Charlie Mitchell, Wolverine quartet; George Lamb, Mildred Pickard; Everett Fifer, old time fiddler.

WGR, Buffalo, N. Y. (319m-940kc), 2:30 p. m., WGR's afternoon program; 6:30, Vincent Lopez's Hotel Statler dance orchestra, Harold Gieser, director; 8, jointly with WEAF, Larkinites; 9, jointly with WEAF, Clicquot Club Eskimos, Goodrich Silvertown Cord orchestra, Joseph Knecht, director.

WGY, Schenectady, N. Y. (379.5m-790kc), 2 p. m., music; talk, "Keeping Little Children Well," Dr. Helen Zillmer; 6:30, dinner program, Ten Eyck concert trio; 7:30, book chat, L. L. Hopkins; 7:45, program, WFBL; 9, Royal Salon orchestra hour, WJZ; 10, WGY orchestra, Claude Adams, violinist; Eugene Moses, pianist, and Vina Adams, accompanist; 11:30, organ recital, Stephen E. Boisclair.

WHAR, Atlantic City, N. J. (275m-1090kc), 2 p. m., Seaside hotel trio; 7:30, lecture period; 8, Seaside hotel trio; 9, studio concert; 11, dance orchestra.

WHN, New York, N. Y. (361.2m-830kc), 12:30-1 p. m., Lexington organ recital; 3:15-4:30, Lexington orchestra; 7-7:30, Iceland orchestra; 7:30-8, Ciro's orchestra; 8-8:30, Will Oakland's Chateau Shanley; 10:30-11, Club Kentucky orchestra; 11, Swanee entertainers; 11:30, Everglades orchestra; 12-12:30 a. m., Ted Lewis and his orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:45 a. m., setting-up exercises; 7, setting-up exercises; 10, menu talk, Mrs. Anna B. Scott; 1 p. m., Gimbel tea room orchestra; 3, artist recital, Philips Jenkins studio; 6:05, Pagoda cafe orchestra; 7, Uncle Wip's bedtime stories; Margaret Keenan, songs; 8, "The Sesqui-Centennial," talk, Hon. Harry A. Mackey; 8:15, Laserow quartet; 9, "Teaching of Art in Public Schools," Theo. M. Dillaway; 9:10, First International Sequi-Centennial Athletic meeting; 10:05, real estate talk; 10:15, Al Lentz and his Versatile entertainers.

WKAQ, San Juan, P. R. (340.7m-880kc), 6-8 p. m., Rialto theater musicale.

WLIT, Philadelphia, Pa. (394.5m-760kc), 12:02 p. m., daily almanac; Stanley theater organ recital; Arcadia cafe concert orchestra; 2, Arcadia cafe concert orchestra; 7:30, Dream Daddy's bedtime stories.

WMBF, Miami Beach, Fla. (384.4m-780kc), 7-9 p. m., Fleetwood Radio orchestra; 10-1 a. m., Gene Fosdick and his orchestra; Fleetwood Radio orchestra.

WNYC, New York, N. Y. (526m-570kc), 7:10 p. m., dance program; 7:35, dance program; 8-8:45, piano recital, Regina Besner; 9, male quartet; 9:30, song recital; 10:10, lecture, Dr. Sydney N. Ussher.

WOO, Philadelphia, Pa. (508.2m-590kc), 11 a. m., organ recital; 12:02 p. m., Golden's crystal tea room orchestra; 4:45, organ recital; 7:30, A. Candelori's concert orchestra.

WOR, Newark, N. J. (405.2m-740kc), 2:45 p. m., talk, Dr. George Watson Little; 6:15, "Words Often Mispronounced"; 6:17, sports, Bill Wathey; 6:30-7:15, Jacques Jacobs' ensemble.

WRC, Washington, D. C. (468.5m-640kc), 10 a. m., women's hour, WJZ; 12, organ recital, Homer L. Kitt studios; 1, Hotel Mayflower orchestra; 6, Hotel Hamilton orchestra, Daniel Chwalow, director; 6:45, Smithsonian talk; 7, New Willard hotel orchestra, Samuel Korman, director; 7:30, Pan-American concert, United States Army band, WJZ; 8:30, Radio-movie presentation, WJZ; 9, Royal Salon orchestra, WJZ, WGY, WCAD; 10, "The Political Situation in Washington Tonight," Frederick William Wile, WJZ; 10:30, Meyer Davis' "Swanee" orchestra; 11:30-12:30 a. m., organ recital, Otto F. Beck, Crandall's Tivoli theater.

WRVA, Richmond, Va. (256m-1170kc), 9:30-12:30 a. m., Edgewater Party night; 12:30, Carry Me Back to Old Virginny.

WTAG, Worcester, Mass. (268m-1120kc), 10:30 a. m., musical selections; 10:45, talk, Marjorie Woodman; 12:05-2, luncheon music, WTAG; 4:30, entertainment for WTAG indoor sports; 5:15, "The Twinkle Twinkle Story Teller"; 8-8:30, the Larkinites, WEAF; 8:30-9, travel talk; 9-10, Clicquot Club Eskimos, WEAF; 10-11 The Silvertown Cord Orchestra, Joseph Knecht director.

WTAM, Cleveland, Ohio (389.4m-770kc), 12:15-1:15 p. m., Austin Wylie's Golden Pheasant orchestra; 6-7, Guy Lombardo and his Royal Canadians; 8-10, City of Cleveland program; 10-11, Hollenden hour; 11-1 a. m., Guy Lombardo and his Royal Canadians.

WTIC, Hartford, Conn. (475.9m-630kc), 6:30, "Twenty Minutes in Happy Land," Mrs. Edna K. Heath; 6:50, dinner music, Hotel Bond trio; 7:35, talk, "February Stars," Prof. Frederick Slocum.

WWJ, Detroit, Mich. (352.7m-850kc), 9:30 a. m., "Tonight's Dinner"; talk, woman's editor; 12:05 p. m., Jules Klein's Hotel Statler orchestra; 3, Detroit News orchestra; 8, concert, WEAF.

Central Time Stations

CKY, Winnipeg, Can. (384.4m-780kc), 8:30 p. m., Simpson's hour, Princess Pat's band.

KFAB, Lincoln, Nebr. (340.7m-880kc), 10:30 a. m., "The New Homemaker," Jane Hinkley; 8:30-10:30 p. m., male glee club, Kearney Normal, Prof. George H. Allen, director.

KFH, Wichita, Kan. (268m-1120kc), 9-10 p. m., American Legion quartet; 12:15-1:15 a. m., dance program.

KFMQ, Fayetteville, Ark. (299.8m-1000kc), 8 p. m., University Extension lectures; "The King of the Skies," A. M. Harding; "Some Effects of Increased Means of Transportation and Communication upon Small Towns," J. A. Dickey; "Gothic Architecture," W. B. Allen; "Measuring Equipment," D. G. Carter; "The Little Theaters," V. L. Jones; "Interviewing the Prospective Employee," G. S. Fracker; 8:45, program of piano music, Loraine Allen.

KFRU, Columbia, Mo. (499.7m-600kc), 8:45 a. m., public school convocation program; 9, educational talk; 6:15, dinner program; 7, Radio school.

KLDS, Independence, Mo. (440.9m-680kc), 8 p. m., "The Problems of Society," M. A. Etzenhauser; 8:15, studio program.

KMA, Shenandoah, Iowa (252m-1190kc), 9-9:45 a. m., music; current topics, G. H. Van Houten; 11:30-12:30 p. m., noonday rural program; music; horticultural talk, Earl E. May; news items; May's flower lady, Lina Ferguson; 2-3, travelog, Ella Murphy; Lina Ferguson; music; 4-5, talk, G. H. Van Houten; 6-7, program, Federated Women's clubs; news items; 9-11, P. M. Delmonico hotel orchestra, Walter Nixon, director.

KPRC, Houston, Tex. (296.9m-1010kc), 12 m., Optimists' club luncheon program, Jerry Allen Mitchell, president; 5:30 p. m., Uncle Judd's kiddies' hour; 7:30, Blanchard's dance orchestra; 8:30, Edna Adams; Mrs. E. E. Sawyer, pianist; 9:15, Mrs. Elsie McCullom, violinist.

KSAC, Manhattan, Kans. (340.7m-880kc), 9-9:25 a. m., music, inspirational talk, agricultural primer, calisthenics; 9:55-10:25, readings, backyard gossip, question box, planning today's meals; 12:35-1:05 p. m., readings, question box; "Serious Soil Problems," E. B. Wells; "Brambles to Include in the Nursery Order," W. R. Martin; 4:30-5, botany; 6:30-7:30, music; Extension credit course, Educational Psychology; Extension course, "Saving Steps," Lucille O. Rust; "Paint for Our High School Girl," Pearle Ruby.

KSD, St. Louis, Mo. (545.1m-550kc), 4 p. m., women's hour; 6:55, Good Will program, WEAF; 7:30, Esmeralda Berry Mayes, pianist; 8, Good Will program, WEAF.

KSO, Clarinda, Iowa (242m-1240kc), 12:30-1:15 p. m., farmer dinner concert; 7-7:30, music; farm talk; 7:30-9, band concert.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 12:30-1 p. m., orchestra; 9-9:10, accordion novelties, Joe Kuntz; 9:10-9:30, opera group, Eastman hotel ensemble; 9:30-10:15, New Arlington hotel ten-piece orchestra; 10:15-10:45, Mrs. Natalie Arnoux, violinist.

KYW, Chicago, Ill. (536m-560kc), 11:35 a. m., table talk, Mrs. Anna J. Peterson; 12:05-1, noonday concert, Commonwealth Edison company; 1, Joska DeBabary's orchestra; Coon-Sanders' Original Nighthawks; 2:35-4, afternoon frolic; 6, dinner music, KDKA; 7:05, bedtime story, Uncle Bob; 7:33-7:53, "The Forestry Clubs," A. L. Ford; "More Adventures of Paul Bunyan," E. W. Meeker; 8, "Twenty Minutes of Good Reading," Rev. C. J. Pernin; 8:25-9, musical program; 9, an hour of music, Commonwealth Edison company; 10-11:30, evening at home, Coon-Sanders' Original Nighthawks; 1, Insomnia club.

WAMD, Minneapolis, Minn. (244m-1230kc), 12 m., Whitey Nightengale; Mrs. James Barrett, soprano; 6:15 p. m., George Osborn's Hotel Radisson orchestra; 7:05, talks.

WBAP, Fort Worth, Texas (475.9m-630kc), 7:30 p. m., Electra Rotary club; 9:30, Christian university; 11, Pantages theater.

WBBM, Chicago, Ill. (266m-1330kc), 4-6 p. m., Valentino Inn orchestra; singers; 8-10, Tip trio; Ziegler sisters; Moulin Rouge orchestra; 10-12, Moulin Rouge orchestra; artists and stars.

WBCN, Chicago, Ill. (266m-1130kc), 10-10:30 a. m., Penny Wise, the shopper's ready helper, shopping talk; 7-8, classical hour; Emily Stone, violinist; Ada Mae Stone, accompanist; Lemmyon Amoureoux, French tenor; Ethel Eaves Price, soprano; Alice McMahon, contralto; Margaret McArthur, pianist; John Williams, baritone; 11-1 a. m., Elmer Jordan and company, Owl matinee.

WCBD, Zion, Ill. (344.6m-780kc), 8 p. m., male chorus, trombone quartet; Fred Faassen, organist; Mr. and Mrs. Richard F. Hire, violinists; J. L. Bishop, baritone; Dorothy Bull, soprano; Carey sisters; Arthur Rendall, clarinetist.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 12m., concert, Donaldson's orchestra; 2 p. m., "Among the Musicians," H. A. Bellows; 4, readers' club, Eleanor Poehler; 5:30, children's hour; 7, national program, WEAF, the Larkinites; 7:30, musical program; 8, national program, WEAF; 8-9, Clicquot Club Eskimos; 9-10, Silvertown Cord orchestra; 10:05, dance program, Oxford theater orchestra.

WDAF, Kansas City, Mo. (365.6m-820kc), 3:30-4:30 p. m., The Star's string orchestra; 6-7, the Tell-Me-a-Story lady; book talk, Louis Mecker; The Trianon ensemble; 11:45-1 a. m., Carl Nordberg's Plantation players; Ted Meyn, organist.

WEBH, Chicago, Ill. (370.2m-810kc), 11:30-12 m., woman's half hour; 3-4 p. m., Uptown theater; 7-8, Oriole orchestra; 9-10, Oriole orchestra; soprano; readings; 11-12:30 a. m., Belle Forbes Cutter, soprano; Oriole orchestra; Ruth Buhl Flick, reader.

WFAA, Dallas, Tex. (475.9m-630kc), 12:30-1 p. m., "The Highlights of February Heavens," Dr. A. D. Laugenour; 4:30-5, Cloyd Griswold, song and uke soloist; 6:30-7:30, Don Bestor's orchestra; 8:30-9:30, musicians, Christian church, Rea A. Nunnallee, director; 11-12, George W. Caldwell's Circle theater orchestra.

WGES, Oak Park, Ill. (250m-1200kc), 5-7 p. m., pipe organ, classical program; 8-9, orchestra, pipe organ; 11-1 a. m., mezzo-soprano, violin, orchestra, Evans Lloyd, composer; Tiffin organ, pianist, others.

WGN, Chicago, Ill. (302.8m-990kc), 10-11 a. m., public service period; 11-11:30, household hints; 12:30-12:40, address, Walter B. Remley; 12:40-2:30, luncheon concert, Drake concert ensemble and Edward Benedict, organist; 2:30-3, Lyon and Healy artists; 3:25-3:30, Port o' Missing Men; 3:30-4:15, tea time music, Marshall Field's tea room orchestra; 4:30-5, organ recital, Edward Benedict, organist; 5:30-5:57, Skeezix time; 6:30-7, dinner concert, Drake concert ensemble and Edward Benedict, organist; 8-9, Clicquot Club Eskimos, WEAF; 9-10, Silvertown Cord orchestra, WEAF; 10-11, dance program.

WHAD, Milwaukee, Wis. (275m-1090kc), 11 a. m., pianolog, Andy Mertel; 4 p. m., Mrs. Ferne Medley Hansen, vocalist; I. E. Clayton, baritone; 6:15-7, Bill Benning's Milwaukee Athletic club orchestra.

WHAS, Louisville, Ky. (399.8m-750kc), 1-2 p. m., concert, Benson trio; 3-3:30, organ recital, Mrs. Myrtle Zahn; 4-5, concert, Harry S. Currie's Music Box; readings; 7:30-9, concert, Barney Rapp's orchestra.

WHO, Des Moines, Iowa (526m-570kc), 7:30-8 p. m., Raleigh quintet; 8-9, Bankers Life trio, Helen Birmingham; 11-12, Bankers Life Little symphony orchestra, Leon A. Dashoff, director.

WHT, Chicago, Ill. (399.8m-750kc), 10 a. m., women's club, Jean Sargent; 11, Eva Ray, soprano; Armanda Burlop, pianist; 12, organ recital, Al Carney; 6 p. m., classical program, Al Carney, organist; Grayling's string trio; 6:45, Swedish program; (238m-750kc), 7:45-9:15, Alamo orchestra; (399.8m-750kc), 9:30, Kitchen Klenzer entertainers, Howard Sershon, tenor; Cook sisters, popular songs; Dave Yates, Hawaiian; 10:10, entertainment; 11, Chez Pierre orchestra, Charles M. Hussey, basso; Hugh Aspinwall, tenor; 12, "Your Hour League," Pat Barnes and Al Carney.

WIBO, Chicago, Ill. (226m-1330kc), 10-11 a. m., shoppers' bureau, Grace Viall Gray; 2-4 p. m., shut-in program; 6, dinner concert, Walter Preston; WIBO trio, Chester Newman, baritone, Helen Snyder, soprano, Harriet Hebert, contralto; 7:30-8, Swedish program; 12-2 a. m., midnight jamboree.

WJAZ, Chicago, Ill. (322.4m-930kc), 10 p. m., chimes; Mary Towbin, violin; Emmelinda Sievers, contralto, George E. Krueger, baritone; Harriet Hertz Swyl, soprano; Mary Towbin, violin; 11 p. m., chimes; Emmelinda Sievers, contralto; George E. Krueger, baritone; Harriet Hertz Seyl, soprano; Mary Towbin, violin; Emmelinda Sievers, contralto; George E. Krueger, baritone; Mary Towbin, soprano; 12 midnight, midnight chimes.

WJJD, Mooseheart, Ill. (370.2m-820kc), 4-5 p. m., Mooseheart hour, music, younger children; daily assembly of 1,256 children; faculty talks; 6-7, instrumental hour, Howard L. Peterson, playing Geneva organ; the Palmer Symphonic players; Palmer House Victorians; 8-9, Mooseheart children's hour; music by children of all ages, solos, bands, etc.; talk, Matthew P. Adams; 10-11, Oliver Chaplean, tenor; Ruth Allanson, pianist; 12:30-1:30 a. m., settin'-up hour, Garod studio, Palmer House; Palmer House Victorians.

WKAF, Milwaukee, Wis. (261m-1150kc), 8:30-10 p. m., Trixie Ann Troy and her Royal Hawaiians; Hi Coleman's dance orchestra.

WKAR, Lansing, Mich. (285.5m-1050kc), 7:15-8 p. m., dairy course; "Dairying as Seen by a Dairyman's Wife," Mrs. Gordon Warren; "Raising the Dairy Calf," O. E. Reed; "Developing the Dairy Heifer," W. D. Burrington.

WLIB, Chicago, Ill. (302.8m-990kc), 7-8 p. m., dinner concert; 11-12, popular program; 12-1, dance program.

WLS, Chicago, Ill. (344.6m-870kc), 12 noon, Ford and Glenn, R. F. D.; 6 p. m., R. F D. program, WLS studio trio; 6:40, Ralph Emerson, organist; 7, Ford and Glenn lullaby time; 9:15, Salvation Army band.

WLW, Cincinnati, Ohio (422.3m-710kc), 7:30 a. m., healthful exercises, William Stradtman; 8, morning devotions, auspices of the Parkway Y. M. C. A.; 12:05 p. m., organ concert, Mildred Prigge; 12:30, health talk, Dr. Carl A. Wilzbach; 12:40, songs, Russel (Red) Green, tenor; 4, piano recital, Adelaide Apfel; 7, dinner concert, Hotel Gibson, Robert Visconti, director; 7:30, "The Eyes Have It," Dr. Clarence H. Kaufman; 12, dance music, Castle farm; 12:30 a. m., Night Howls, Crosley Sky Terriers, with Kaynyne, Rin-Tin-Kan and Chief Barker.

WMAQ, Chicago, Ill. (447.5m-670kc), 12:45 p. m., Radio farm program; 2, shut-in program; 4, Illinois Federation of Women's clubs program; 4:15, Adolph Lapin, pianist; 5:15, Topsy-Turvey time; 6, Chicago theater organ program; 6:30, Hotel LaSalle orchestra; 8, Daw and Pratt anniversary program; 9, lecture, U. of C.; 9:20, Christian Endeavor program; 9:55, U. of C. chimes.

WMBB, Chicago, Ill. (250m-1200 kc), 7-8 p. m., Trianon duo; Hawaiian songs, guitars, etc.; talk on finance; 9-11, Trianon orchestra, Dell Lampe, conductor;

"JUST FOLKS" WEEK'S COMEDY AT WGY

Thursday, February 4

Woodlawn theater orchestra, Armin F. Hand, conductor; Lucille O'Hare, Bob Duffy, Tommie Hughes, popular program.

WMC, Memphis, Tenn. (499.7m-600kc), 8:45 p. m., Cortese ensemble.

WOAW, Omaha, Nebr. (526m-670kc), 12:45 p. m., Gilbert Jaffy and his Little symphony; 6, entertainment; 6:20, Manna Kea trio; 6:50, Randall's Royal Fontenelle orchestra; 9, classical; 10:30, Herb Feierman and his Omadala orchestra; 12, midnight jubilee.

WOC, Davenport, Iowa (483.6m-620kc), 12:15-12:25 p. m., "What Folks Say About It," Prof. W. L. Burlison; 3-3:30, Aunt Jane; 5:45-6, chimes; 6:30-6:50, Sandman; 7-7:30, Larkinites, WEAF; 7:30-8, Harry Yeazelle Mercer, tenor; 8-9, Clicquot Club Eskimos; 9-10, Goodrich Silvertown Cord orchestra; 11-12, Le Claire hotel orchestra; Peter MacArthur, baritone.

WOI, Ames, Iowa (270m-1110kc), 9 a. m., "Red Clover," Prof. H. D. Hughes; 10, "The Future of the Hog Market," E. N. Wentworth; 10:30, "Marketing Helps for Homemakers," Ruetta Day; 11, "Agricultural Legislation," B. H. Hibbard; 12:30 p. m., chimes; "Corn Yield Test Winners," Joe L. Robinson; 1, "Minerals and Sunshine for Hogs," J. M. Evvard; 2, "New Facts in Dairy Cattle Feeding," F. B. Morrison; 3, "Developing Individuality," Mrs. E. S. Allen; 3:30, "Recreation," Mrs. Mignon Quaw Lott; 4, Brown Brothers quartet; 4:15, address, B. H. Hibbard; 7:15, wrestling tournament, Oklahoma-Ames; 7:45, "The Corn Crop," Prof. H. D. Hughes.

WOK, Chicago, Ill. (217.3m-1380kc), 4:30-7 p. m., Tearney's Town Club twilight dansant; Capitol theater organ; studio program; 10-1:30 a. m., Tearney's Town Club orchestra; Carl Lorraine's Pershing Palace orchestra; Husk O'Hare's Cocoanut Grove orchestra; Capitol theater program; studio program.

WOQ, Kansas City, Mo. (278m-1080kc), 7-8 p. m., Unity educational program; 8-9, concert.

WORD, Batavia, Ill. (275m-1090kc), 8 p. m., Webster hotel concert trio; 8:15, international Sunday school lesson; 8:30, program, Glenn Dillard Gunn school of music; 9:45, world news digest, J. L. Roy.

WQJ, Chicago, Ill. (447.5m-670kc), 11-12 m., "Parties for the Party Month," Erna J. Bertrams; 3-4 p. m., "Valentine Party Plans," Helen H. Downing; "Common Sense Care of the Feet," Dr. Frank Furch; "Lessons in Golf," Ralph G. Thorn; 7-8, Rainbo Gardens orchestra; Clement Laskowski, tenor; Marvyl Larson, soprano; 10-1 a. m., Rainbo Skylarks; Dr. Carl Bertschinger, pianist; Jerry Sullivan; Rose Vanderbosch, soprano; Hal Lansing, ukulele soloist; Bert Davis; Ralph Keim, pianist; Anne Keim, soprano; Lew Butler, Giant of the Radio; Ray Lawson, tenor; 1-2, Ginger hour.

WSAI, Cincinnati, Ohio (325.9m-920kc), 7 p. m., program; 8, Clicquot Club Eskimos, WEAF; 9, Silvertown Cord orchestra, Joseph Knecht, director; 10, Jack Little and Ray O'Vac Twins.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., Dr. Charles A. Sheldon, Jr., organist; 10:45, concert.

WSUI, Iowa City, Iowa (483.6m-620kc), 12:30 p. m., organ numbers, Mrs. Preston C. Coast; address.

Mountain Time Stations

CFAC, Calgary, Can. (435.8m-688kc), 7 p. m., bedtime story; 9-11, CNR orchestra.

KFWA, Ogden, Utah (261m-1150kc), 4-5 p. m., organ recital, Paramount theater; 5-6, Ogden Radio Dealers program.

KFXF, Colorado Springs, Colo. (250m-1200kc), 9-10:30 p. m., Rosemary Gardens dance program.

KOA, Denver, Colo. (322.4m-930kc), 12:15 p. m., Rialto theater musicale; 3:15, relaxing and corrective exercises; 3:30, matinee for housewives; 4, culinary hints; 4:15, fashion review; 6:30, dinner concert, Brown Palace string orchestra, Howard Tillotson, director.

Pacific Time Stations

KFI, Los Angeles, Calif. (468.5m-640kc), 5:30-6 p. m., Bamboo Gardens dance orchestra; 6, nightly doings; 6:15, KFI's Seeing California; 6:30, vest pocket program; 6:45, Radiotorial period; 7-8, program, students, University of Southern California; 8-9, program, Clarabelle Patten Wallace, contralto; 9-10, program, Chickering hall; 10-11, Mabelle Hein and her Blue Bird band.

KFON, Long Beach, Calif. (233m-1290kc), 6-7 p. m., KFON gossip and amusement information; 7-8, investors' hour; 8-8:15, Hewitt's chat for book lovers; 8:15-9, Long Beach municipal band.

KFWB, Hollywood, Calif. (252m-1190kc), 8-9 p. m., Bill Blake, tenor; Hy Kasch and his dance orchestra; Lou Parker, ballads; 9-10, program, Don P. Smith, Inc., Diana-Moon dance orchestra; Sol Hoopii's Hawaiians; Ashley sisters; 10-11, Warner Brothers frolic, featuring Charley Ilch's Sunset Canyon Country club dance orchestra.

KGO, Oakland, Calif. (361.2m-830kc), 7:15-7:30 a. m., health training exercises, Hugh Barrett Dobbs; 7:45, pep class; 8:30, "Daily Strength"; 11:30-1 p. m., Sherman Clay and company luncheon concert; 4-5:30, concert orchestra, Hotel St. Francis, Vinton La Ferrera, conductor; 5:30-6:30, George W. Ludlow and Jane Isabel Curtis, sea stories; 8, "Thirty-nine East," comedy in three acts, KGO players, Wilda Wilson Church, director; music, Arion trio; 10-11, dance music, Hotel St. Francis, Girvin-Deuel's California Collegians.

KGW, Portland, Ore. (491.5m-610kc), 12:30-1:30 p. m., concert, Oregon Radio Trades association; 6-7, dinner concert, Olds Wortman and King company; 7:45-8, lecture, Catholic Truth society.

KHJ, Los Angeles, Calif. (405.2m-740kc), 6-6:30 p. m., Leighton's Arcade cafeteria orchestra, Jack Cronshaw, leader; 6:30-7:30, history story, Prof. Hertzog; Dickie Brandon, screen starlet; Charlotte Palen, Jeanne de Bard, Joyce Coad, Helen Frances Levy with Uncle John; 7:45, talk on health, Dr. Phillip M. Lovell; 8-10, program, Clevelin Realty company.

KMTR, Hollywood, Calif. (238m-1260kc), 5-6 p. m., home hour, Mammy Simmons and pupils of Carter Weaver in continuity program; 6-7, Starr Piano company studio; 8-10, Turner orchestra, direction Loren Powell.

KNX, Hollywood, Calif. (336.9m-890kc), 5-5:30 p. m., Sunny Jim's story; 5:30, First Presbyterian church organ; 5:55, Town Tattler; 6:15, travel talk, W. F. Alder; 6:30-7, Atwater Kent concert orchestra; 7-8, program, H. L. Crockett, with Ilya Bronson, cellist, May McDonald Hope, pianist, Corinne Redd, soprano, and H. L. Crockett, baritone; 8-9, program, Willys-Overland dealers; 9-10, program, M. Weinstein company, Ray West's Alexandria hotel dance orchestra; 10-11, Ambassador hotel dance orchestra.

KPO, San Francisco, Calif. (428.3m-700kc), 1-2 p. m., Rudy Seiger's Fairmont hotel orchestra; 2:30-3:30, matinee program; 3:30-4:30, Cyrus Trobbe's Palace hotel concert orchestra; 5:15-6:15, children's hour stories; 6:40-7, Waldemar Lind and States restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel orchestra; 8-9, program, De Molay glee club, Clayton Horn, director; 9-10, program, Avon string quintet, E. S. Flynn, director; 10-11, Cabiria cafe orchestra, Jack Coakley, director.

KPSN, Pasadena, Calif. (315.6m-950kc), 8-9 p. m., Star-News program, Pasadena Chamber of Commerce.

KTAB, Oakland, Calif. (240m-1250kc), 9-9:30 a. m., prayer service, Rev. G. W. Phillips; 12-1 p. m., luncheon concert; 8-10, program, Oakland fire department.

Friday, February 5

Headliners Today

Eastern	Central	Mountain	Pacific
8 p. m.	7 p. m.	6 p. m.	5 p. m.
WAHG (315.6m-950kc) Fourteenth Great Artist recital.			
8:15	7:15	6:15	5:15
WGY (379.5m-790kc) Comedy, "Just Folks."			
8:30	7:30	6:30	5:30
WBZ (333.1m-900kc) Rollstone quartet.			
WNYC (526m-570kc) Kessler ensemble.			
9	8	7	6
WEAR (389.4m-770kc) Wingfoot male quartet.			
WMAQ (447.5m-670kc) Kent-Marquette debate.			
WHO (526m-570kc) Green County band.			
9:15	8:15	7:15	6:15
WCCO (416.4m-720kc) Apollo club.			
9:30	8:30	7:30	6:30
WCAU (278m-1080kc) Sea Isle City Golden Gulls.			
WMC (499.7m-600kc) Atwater Kent program.			
10	9	8	7
WEBH (370.2m-810kc) WEBH light opera company.			
11	10	9	8
WSM (282.8m-1060kc) Scarritt college student program.			
12 m.	11	10	9
WMC (499.7m-600kc) Charles Lucy's jazz boys.			

Friday, silent night for: CFAC, CHIC, CKNC, CKY, CNRC, CNRM, CNRO, CNRR, CNRW, KFAU, KFEQ, KFKU, KFMQ, KFWA, KFXF, KGO, KFAU, KPRC, KUOM, PWX, WBBR, WCAD, WCBD, WEAO, WEBW, WGBS, WGST, WHAZ, WIP, WJAZ, WKRC, WLW, WLWL, WNAD, WRC, WREO, WRVA, WSAI, WSUI, WSMB, WTAM.

Eastern Time Stations

CKAC, Montreal, Can. (410.7m-730kc), 1:45 p. m., Windsor trio.

CNRT, Toronto, Can. (356.9m-840kc), 6:30 p. m., Luigi Romanelli and his King Edward hotel concert orchestra; 8:30, Trinity United church; 10, Hart House string quartet; 12, Luigi Romanelli and his King Edward hotel dance orchestra.

WAFD, Port Huron, Mich. (275m-1090kc), 8-10 p. m., old-time dance music.

WAHG, Richmond Hill, N. Y. (315.6m-950kc), 12:03 p. m., musical program; 7:30, Sylvia Baylin, pianist; 7:45, Prof. Richard E. Mayne; 8, Fourteenth Great Artist recital, Lynwood Farnham, organist; 9, soloist; 9:15, Francine Vyde, soprano; 9:30, Shell Beach trio; 10:03, Francine Vyde, soprano; 10:15, Bernie Fletcher's orchestra.

WBAL, Baltimore, Md. (246m-1220kc), 6:30-7:30 p. m., WBAL dinner concert; 7:30-8, WBAL male quartet; 8-9, Mary Knox Fitz, pianist; Geneva Fitz, pianist; John Mealy, whistler.

WBZ, Springfield, Mass. (333.1m-900kc), 6:30 p. m., Little symphony orchestra; 7, Hotel Lenox ensemble; 7:30, "Appreciation of Music," Prof. John A. O'Shea; 8, McEnelly and his orchestra; 8:30, Rollstone male quartet; 9, "Whatdoyoucallit Club."

WCAE, Pittsburgh, Pa. (461.3m-650kc), 10:45 a. m., Gold Medal talk; 6:30 p. m., dinner concert, William Penn hotel; 7:30, children's period; 7:45, address, current motor topics; 8, Clicquot quartet; 9, studio concert, Kishians' orchestra.

WCAP, Washington, D. C. (468.5m-640kc), 6:45-7:45 a. m., health exercises, WEAF; 6 p. m.-12 midnight, dinner hour concert; Sir Hob Goblin stories, WEAF; dance music.

WCAU, Philadelphia, Pa. (278m-1080kc), 7:30, N. Snellenburg and company, recital; 8, "Our Own Agnes"; 8:15, Chiropractic talk; 8:30, Singing Ground-hog; 8:45, Carolyn Thomas and "437" American Radio trio; 9:15, Dwight Strickland, the poetician; 9:30, Sea Isle City Garden Gulls; 10, Willie Horowitz, songs and jests; 10:30, Jack Myers' musical architects.

WCX, Detroit, Mich. (516.9m-580kc), 4 p. m., news and markets; 6, dinner concert, Book-Cadillac hotel; 9, concert; 10, dance music, Graystone ballroom.

WEAF, New York, N. Y. (491.5m-610kc), 10:45 a. m., Betty Crocker; 11:05, Minnie Weil, pianist; 11:30, practical household arts, Columbia university; 4 p. m., Lenore Aldrede, contralto; 4:15, Radio instrumental trio; 6, dinner music; 7, Bessie Booth Dodge, soprano; Mozelle Bennett, violinist; Nana Frances, reader; 7:30, "Sir Hobgoblin Discovers Something," WEAF, WOO, WCAP, WCAE, WGR, WJAR, WEAR, WTAG; 7:45, Ethel and Dorothea Ponce; 8, Happiness Candy boys; 8:30, Eagle Neutrodyne trio; 9, Hohner Harmony hour; 9:30, Dorothy Paca, soprano; 9:40, "Merchant of Venice"; 10:30, Elvera Boni, soprano; Nino Ruisi, bass; 11-12, Ben Bernie and his orchestra.

WEAR, Cleveland, Ohio (389.4m-770kc), 11 a. m., home service; 7 p. m., Cleveland Auto show; 7:30, children's program; 7:45, talk; 8:15, Doris Quinn; 9, Wingfoot male quartet; 10, instrumental ensemble.

WEBJ, New York, N. Y. (273m-1100kc), 7 p. m., Blenheim theater ensemble, Sol Klein, director; 7:45, Milton Yokeman, tenor; Norman Hennefeld, accompanist; 8, Carrie Cohen, concert pianist; 8:15-9, Al Ciccones' Harlem Tea Garden orchestra.

WEEI, Boston, Mass. (348.6m-860kc), 6:45 a. m., Tower health exercises; 7:45, morning watch, Estey organ studio; 3 p. m., talk, Harry J. Broughton; 5, Frankie Ward and his orchestra; 6:15, Joe Rines and his Hunters' Cabin orchestra; 7, Big Brother club; 7:30, Whiting's Grade A contest; 8, Sager's half hour of hospitality; 8:30, Neapolitan Ice Cream company program; 9, Hohner Harmony hour, WEAF; 9:30, Carter's Incas; 10, Scotty Holmes and his orchestra; Imperial marimba band.

WFI, Philadelphia, Pa. (394.5m-760kc), 1 p. m., tea room ensemble; 3, Josh Saddler's serenaders; 6:30, Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra.

WGBS, New York, N. Y. (315.6m-950kc), 10 a. m., timely talks; 10:10, 10:30, 10:50, Mary Miller, pianist; fashion talk, Bertram Taylor; 1:35 p. m., Atlas string trio; 3, "The Modern Hamlet"; Hilda Bergvall, mezzo-soprano; Dorothy Herzig; 6, Uncle Geebee; 6:30, Anzell's orchestra.

WGCP, New York, N. Y. (252m-1190kc), 3 p. m., Samuel Weber, blind pianist; 3:20, Hugo Angelo, tenor; 3:45, Charol de Thome, pianist; 4:10, Sherman and Neal; 4:30, Ruby Cowan, entertainer; 4:45, Clarence Profit, pianist; 7, Janssen's orchestra; 7:30, studio program; 8, orchestra.

WGHP, Detroit, Mich. (270m-1110kc), 6 p. m., dinner concert, Hotel Tuller; 7, farm program; 10, popular concert; Skylark dance band; Motortown trio; Heck and Mac, Eddie McGrath.

WGR, Buffalo, N. Y. (319m-940kc), 2:30 p. m., WGR's afternoon program; 6:30, Clef trio; 7:30, jointly with WEAF, Blanche Elizabeth Wade, story teller for G. R. Kinney company; 9, jointly with WEAF, Hohner Harmony hour; 9:30, classical program, directed by W. Miles Thomas; 10:30, Hewitt Humorists, Hewitt Rubber company; 11-1 a. m., supper dance music, Vincent Lopez's Hotel Statler dance orchestra, Harold Gieser, director, Arthur Melgier at the organ.

WGY, Schenectady, N. Y. (379.5m-790kc), 2 p. m., Asia restaurant orchestra; 2:30, music; "Health Notes," Dr. C. W. Woodall; 6:30, International Sunday school lesson; 7, dinner program, Eastman theater, WHAM; 7:30, health talk; 7:40, "French by Radio," Leon A. Huguemont; 8:15, comedy, "Just Folks," Ten Eyck Clay, director; 10:30, WGY orchestra and Caryl Marshall, soprano.

WHAR, Atlantic City, N. J. (275-1090kc), 2 p. m., Seaside hotel trio; 8, Seaside hotel quartet; 11:15, Strand theater organ recital.

WHN, New York, N. Y. (361.2m-830kc), 6-6:30 p. m., Littmann's dinner music; 6:30-6:45, Daddy Dingle and his Jingle Machine; 6:45-7, Littmann's dinner music; 7-7:30, Harry Richman and his entertainers; 7:30-8, Lew Brown and Sidney Claire; 10-10:30, Roseland dance orchestra; 12-12:30 a. m., Silver Slipper orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:45 a. m., setting-up exercises; 7, setting-up exercises; 1 p. m., Gimbel tea room orchestra; 3, "Genius," lecture by Dr. Charles W. Burr; 6:05, Benjamin Franklin concert orchestra; 7, Uncle Wip's bedtime stories; William Wenzel, ten-year-old pianist.

WKAQ, San Juan, P. R. (340.7m-880kc), 6-8 p. m., talks, Porto Rican Atheneum.

WLIT, Philadelphia, Pa. (394.5m-760kc), 12:02 p. m., daily almanac; Stanley theater organ recital; Arcadia cafe concert orchestra; 2, Arcadia cafe concert orchestra; 2:30, playlet, students National School of Elocution and Oratory; 4:30, recital; 7:30, Dream Daddy's bedtime stories; Sunbeam party; 8, sports talk; 8:30, recital; 10, Morning Glory club concert; Arcadia cafe dance orchestra; 10:30, Rufus and Rastus.

WMBF, Miami Beach, Fla. (384.4m-780kc), 7-9 p. m., Fleetwood Radio orchestra; Al Wohlman and Dave Bernie.

WNYC, New York, N. Y. (526m-570kc), 6:20 p. m., piano selections; 6:30, elementary and advanced French lessons, V. Harrison Berlitz; 7:35, resume of meeting of Board of Estimate; 8, concert program; 8:30, Kessler ensemble; 9:15, recital talk, Herman Neuman; 9:45, song recital; 10:10, Prof. Carter Troop, lecture service.

WOO, Philadelphia, Pa. (508.2m-590kc), 11 a. m., organ recital; 12:02 p. m., Golden's crystal tea room orchestra; 4:45, organ recital; 7:30, "Sir Hobgoblin," Blanche Elizabeth Wade; 7:45, Ritz-Carlton dance orchestra; 9, Hohner harmony four; 9:25, Fox theater symphony orchestra; 10, organ recital; 11, Ritz-Carlton dance orchestra.

WOR, Newark, N. J. (405.2m-740kc), 3:45 p. m., talk, B. P. Adams; 6:15, "Words Often Mispronounced"; 6:17, sports, Bill Wathey; 6:45, Jacques Jacobs' Hotel Shelton ensemble; 7-7:15, Man in the Moon stories.

WRC, Washington, D. C. (468.5m-640kc), 10 a. m., women's hour, WJZ; 12, organ recital, Otto F. Beck; 1 p. m., Meyer Davis' New Willard hotel orchestra; 3:30, concert, United States Marine band, Captain William H. Santelmann, leader; 5, W. Spencer Tupman's Hotel Mayflower orchestra; 5:45, book talks, Mrs. Nina Reed.

WRVA, Richmond, Va. (256m-1170kc), 7 p. m., Hotel Richmond orchestra; 8:10, entertainers, Hartshorn school; 9:30, Virginia Union university; 10, Virginia Union university orchestra.

WTAG, Worcester, Mass. (268m-1120kc), 10:30 a. m., musical selections; 10:45, food hints, Mildred C. Thomas; 12:05-2, luncheon music, WTAG, Will Hardy, director; 3-5, tea dansant music, WTAG; 7:10, "The Twinkle Twinkle Story Teller"; 7:30-7:45, stories, Blanche Elizabeth Wade, WEAF; 7:45, mechanics of speech, Mota B. Wade; 8, current events for sightless people and shut-ins, Gwendoline Atbee; 8:15, concert program.

WTAM, Cleveland, Ohio (389.4m-770kc), 12:15-1:15 p. m., Guy Lombardo and his Royal Canadians; 6-7, Carl Rupp and his Hotel Hollenden orchestra.

WTIC, Hartford, Conn. (475.9m-630kc), 11:30 a. m., housewives' forum, Mrs. J. M. Dean; 12:05, luncheon music; 6:30, dinner music, Hub trio; 8, talk; 8:15, community night program, West Hartford; vocal solos, duets, French horn, trumpet, piano, girls' glee club, talks.

WWJ, Detroit, Mich. (352.7m-850kc), 7:30-8 a. m., setting-up exercises, R. J. Horton; 9:30, "Tonight's Dinner"; talk, woman's editor; 10:45, home service talk, Betty Crocker; 12:05, Jules Klein's Hotel Statler orchestra; 3, Detroit News orchestra; 6, dinner concert; 8, News orchestra and soloists; 9, dance program.

Central Time Stations

KFH, Wichita, Kan. (268m-1120kc), 9-10 p. m., Lambert Crystal Radio boys.

KFMQ, Fayetteville, Ark. (299.8m-1000kc), 7:30 p. m., basketball game, University of Arkansas vs. University of Texas.

KFRU, Columbia, Mo. (499.7m-600kc), 6:15 p. m., dinner program; 7, Radio school with agriculture talk; 12-2 a. m., musical program, Quadrangle orchestra.

KMA, Shenandoah, Iowa (252m-1190kc), 9-9:45 a. m., music; current topics, G. H. Van Houten; 11:30-12:30 p. m., noonday rural program; popular musical numbers; news items; travelog, G. H. Van Houten; 2-2:45, travelog, G. H. Van Houten; 6-7, How-do-you-do boys; Grady and Doc with Auntie Blossom and the Slumber Boat; news items; 9-11, municipal band of Bedford, W. W. Mitchel, director.

KPRC, Houston, Tex. (296.9m-1010kc), 12 m., Frank Tilton, blind boy pianist.

KSAC, Manhattan, Kans. (340.7m-880kc), 9-9:25 a. m., music, inspirational talks, agricultural primer, calisthenics; 9:55-10:25, readings, backyard gossip, question box, planning today's meals; 12:35-1:05 p. m., readings, question box; "The Sweet Clover Seed-bed," L. E. Willoughby; "Control of Round Worms in Poultry," D. J. Taylor; 4:30-5, lessons in color and design; 6:30-7:30, travelog; Extension credit course, Vocational Education; Extension course, "Insurance as a Profession," Leo Spurrier; "Safety and Efficiency of Radio Installations," E. R. Lyon.

KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., orchestral program and stage specialties; 8:30, concert, Y. M. H. A. orchestra.

KSO, Clarinda, Iowa (242m-1240kc), 12:30-1:15 p. m., farmer dinner concert; 7-7:30, music; farm talk; 7:30-9, popular songs, Hawleyville trio; 9-9:30, Baker and Anderson.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 12:30-1:30 p. m., farmers' Radio chatauqua; 9-9:30, Lon Chassy, violinist; Salvatore Julian, trombonist; 9:30-10:30, Phil Baxter and his singing orchestra; Jack-o'-Lantern Night club.

KYW, Chicago, Ill. (536m-560kc), 11:35 a. m., table talk, Mrs. Anna J. Peterson; 12:05-1, concert, Commonwealth Edison company; 1, Joska DeBabary and his orchestra; Coon-Sanders Original Nighthawks; 4-5, woman's hour, Mary Casey, director; 6, dinner hour, KDKA, WBZ, KYW, KFKX; 9, hour of music, Commonwealth Edison company; 10-12:30, midnight revue, Paul Ash and his orchestra; Coon-Sanders Original Nighthawks; Henri A. Keates, organist; 1, Insomnia club.

WAMD, Minneapolis, Minn. (244m-1230kc), 12 m., Hazel West, soprano; Beata Hansen, violinist; Mrs. Hansen, accompanist; 7:10, p. m., public school hour; 8, Reception Five program; 11, Skyrocket frolic.

WBAP, Fort Worth, Texas (475.9m-630kc), 7:30 p. m., Decator band; 9:30, minstrel show; 11, Panther Hawaiian trio.

WBBM, Chicago, Ill. (226m-1330kc), 4-6 p. m., Valentino Inn orchestra; artists; 8-10, Tip trio; Moulin Rouge orchestra; artists.

WBCN, Chicago, Ill. (266m-1130kc), 10-10:30 a. m., Penny Wise, "The Shopper's Ready Helper," shopping talk; 5-5:15 p. m., police bulletins; 7-8, Fireside hour, WBCN hobby club; George R. Cleveland, "Big Boy" Yagle, pianist; Will Rossiter, "The Daddy of the Song Publishers," tenor and songwriter; Harold Johnson, boy xylophonist; 11-12, request program; Midway Dancing Gardens orchestra; Eddie Matts and Billy Donovan, tenor and pianist; West End Harmony boys, instrumental duo; Ed Dempsey, "The Silken-Voiced Tenor," Alice McMahon, contralto; "Big Boy" Yagel, pianologist.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 10:45 a. m., "Gold Medal Luncheon Suggestions," Betty Crocker; 12 m., Dick Long's Dayton trio; 2 p. m., woman's hour; 2:30, afternoon concert, Dick Long's Nankin cafe orchestra; 4, readers' club, Mrs. Walter Stevens; 5:30, court of Gold Medal; 6:15, dinner concert, Dick Long's Nankin cafe orchestra; 7:45, farm lecture; 8, health talk; 8:15, concert, Apollo club; Oscar Seagle, baritone; 10:05, Dick Long's Nankin cafe orchestra.

WDAF, Kansas City, Mo. (365.6m-830kc), 10:45-11 a. m., Betty Crocker, home service talk; 6-7, the Tell-Mea-Story lady; address; The Trianon ensemble; 8-9:30, musical program; 11:45-1 a. m., Plantation players; Eddie Kuhn's orchestra.

WDOD, Chattanooga, Tenn. (256m-1170kc), 6:30-7 p. m., organ music, Tivoli theater; 7-8, Hotel Patten orchestra; 8:15, special features and program; 11, popular request.

WEBH, Chicago, Ill. (370.2m-810kc), 11:30-12 m., woman's half hour; 3-4 p. m., special features; 7-8, Oriole orchestra; Pauline Sachs, soprano; Eleanor Kaplan, violinist; 9-9:45, WEBH light opera company; 9:45-10, news; 11-12:30 a. m., Oriole orchestra; Irene Beasley, Fred Palmiter, Jack Penewell.

WFAA, Dallas, Tex. (475.9m-630kc), 12:30-1 p. m., Sunday school lesson, Dr. Horace M. Whaling; 3:30-4, Sears-Roebuck Agricultural Foundation homemaker's program; 4:30-5, woman's hour, book reviews; 6:30-7:30, Alphonso Trent's orchestra; 8:30-9:30, Schubert Choral club recital.

WGES, Oak Park, Ill. (250m-1200kc), 5-7 p. m., duo, mezzo-soprano, quartet, organ; 8-9, orchestra, pipe organ, soprano, tenor, pianist; 11-1 a. m., banjo friends, organ, Coyne orchestra, comedian, "Uke Girl."

WGN, Chicago, Ill (302.8m-990kc), 10-11 a. m., public service period; 11-11:30, household hints; 12:01, Walter Murray; 12:40-2:30, luncheon concert, Drake ensemble and Edward Benedict, organist; 2:30-3, Lyon and Healy artists; 3:25-4:15, Port o' Missing Men; 4:30-5, organ recital, Edward Benedict; 5:30-5:57, Skeezix time; 6:30-7, dinner concert, Drake concert ensemble and Edward Benedict, organist; 8-9, music hour; 9-10, popular program; 10-11, dance program.

WHAD, Milwaukee, Wis. (275m-1090kc), 11 a. m., pianolog, Andy Hertel; 4 p. m., Ira Schnell, baritone; 6-7, Arthur Richter, organist; 7, Bill Juhre's Radio cartoon game; 8:30-10, Wisconsin theater revue; 35-piece Wisconsin theater concert orchestra; Dexter's Wisconsin roof orchestra.

WHAS, Louisville, Ky. (399.8m-750kc), 1-2 p. m., concert, Royal Peacock orchestra; 3-3:30, organ recital, Mrs. Myrtle Zahn; 4-5, concert, Harry S. Currie's Music Box; readings; 7:30-9, concert, Southern Baptist Theological seminary, J. H. Drake, director.

WHO, Des Moines, Iowa (526m-570kc), 7:30-8 p. m., Myrtle Williams, soprano; Stewart Watson, baritone; 8-9, Greene County band, Prof. Irvin, director; 11-12, Bankers Life Corn Sugar orchestra.

WHT, Chicago, Ill. (399.8m-750kc), 10 a. m., women's club, Jean Sargent; studio features; 10:45, home service, Betty Crocker; 11, special features; 12, organ recital, Al Carney; 6 p. m., classical program; dinner organ recital, Al Carney; Grayling's string trio; Genevieve B. Burnham; Helen Rauh, pianist; 6:30, Ray-O-Vac classic program; (238m-1260kc), 7:45-9:15, Alamo orchestra; (399.8m-750kc), 9:30, Beulah Ladon, violinist; Clark and Baia, Hawaiian; Helen Rauh, pianist; Al Carney, organist; 10-10:30, Lofts music; 11:30, Chez Pierre orchestra; 12, "Your Hour League," Pat Barnes and Al Carney.

WIBO, Chicago, Ill. (226m-1330kc), 10-11 a. m., shopper's bureau; 2-4 p. m., popular shut-in program; 6-8, dinner concert, Walter Preston; WIBO trio; Rae McKay, Otis Pike, jester.

WJJD, Mooseheart, Ill. (370.2m-820kc), 4-5 p. m., Mooseheart hour; music by younger children; daily assembly of 1,256 children; faculty talks; 6-7, instrumental hour, Howard L. Peterson, playing Geneva organ; Palmer Symphonic players; Palmer House Victorians; 8-9, Mooseheart children's hour, Mooseheart concert band; solos; talk, Matthew P. Adams; 10-11, Senator Harold Kessinger; Jean St. Anne; 12:30-1:30, settin'-up hour, Howard L. Peterson, playing Geneva organ; Palmer House Victorians.

WKAF, Milwaukee, Wis. (261m-1150kc), 10-11 p. m., Harry Jansen, medley; Spencer Reuter, tenor.

WKAR, Lansing, Mich. (285.5m-1050kc), 7:15-8 p. m., Farm Crops course, "Wheat and Chaff," J. E. Cox; "Corn and Grain Show announcements," H. C. Rather; "How I Grew Michigan's Highest Yielding 1925 Corn Crop"—The Winner; "Crop Growing in Michigan's Upper Peninsula," G. W. Putnam.

WLIB, Chicago, Ill. (302.8m-990kc), 7-8 p. m., dinner concert; 11-12 midnight, popular program; 12-1, dance program.

WLS, Chicago, Ill. (344.6m-870kc), 12 noon, R. F. D. program; 6 p. m., Ford and Glenn; 6:40, Ralph Emerson, organist; 7, Ford and Glenn; 7:15, WLS studio trio; 7:45, Ruth Eltin; 8, Bethany choir; 8:30, Ford and Glenn; 9, Westleyan brass quartet; 9:30, Little Caruso and his operatic quartet; 10, Ford and Glenn; 11, Paul Ash and his gang.

WLW, Cincinnati, Ohio (422.3m-710kc), 7:30 a. m., healthful exercises, William Straitman; 8, morning devotions, auspices of Parkway Y. M. C. A.; 12:05 p. m., organ concert; 12:30, concert, Hotel Gibson orchestra, Robert Visconti, director.

WMAQ, Chicago, Ill. (447.5m-670kc), 12:25 p. m., Y. M. C. A. forum; 1, Radio farm school; 2, shut-in program; 4, preschool child; 4:15, musical program; 4:30, "Foibles of the Moment," Mrs. Graham Aldis; 4:45, child life story; 6, organ; 6:30, Family Altar league; 6:30, Wide-Awake club; 8, Kent-Marquette debate; 9:15, lecture, U. of C.; 9:30, program, Messrs. Foster, Jilbert; 9:55, chimes.

WMBB, Chicago, Ill. (250m-1200kc), 7-8 p. m., Trianon duo; Frank Bordner, baritone; "The Old Virginia Colonel," Frank Chaplin; Preston Graves, pianist; 9-11, Trianon orchestra, Dell Lampe, conductor; Woodlawn theater orchestra, Armin F. Hand, conductor; Eddie Matts and Billie Donovan, William Lightfeld, Walter Duffy, Earl Smith, popular program.

WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Atwater Kent program; 11, frolic, Charles Lucy's jazz boys.

WOAI, San Antonio, Texas (394.5m-760kc), 8:30 p. m., San Antonio Express Evening news program.

WOAW, Omaha, Nebr. (526m-670kc), 12:45 p. m., Sunshine Sunday dinner menu; 1, Randall's Royal Fontenelle orchestra; 6, music review, Hester Bronson Copper; 6:20, Francis Potter's Banjo orchestra; 6:50, Gilbert Jaffy and his little symphony; 9, classical; 10:15, Frank Hodek and his Nightingale orchestra.

WOC, Davenport, Iowa (483.6m-620kc), 12:15-12:25 p. m., special farm day; 3-3:30, Aunt Jane; 5:45-6, chimes; 6:30-6:50, Sandman; 8-9, Villa de Chantel, conservatory of music; 9-10, travel talk, Dr. B. J. Palmer.

WOI, Ames, Iowa (270m-1110kc), 9 a. m., "1926 Crop Problems," Prof. H. D. Hughes; 10, "Canned Goods in Relation to Health," Dean R. E. Buchanan; 10:30, "Heating the Home," Prof. R. H. Holbrook; 11, "St. Lawrence Waterway," Hugh J. Hughes; 12:45 p. m., agricultural economics, Prof. C. L. Holmes; 2, "Recreation," Mrs. Mignon Quaw Lott; 7:30, boxing tournament, Notre Dame-Ames.

WOK, Chicago, Ill. (217.3m-1380kc), 4:30-7 p. m., Tearney's Town Club Twilight dansant; Capitol theater organ; studio program; 10-1:30 a. m., Tearney's Town Club orchestra; Carl Lorraine's Pershing Palace orchestra; Husk O'Hare's Cocoanut Grove orchestra; Capitol theater program; studio program.

WORD, Batavia, Ill. (275m-1090kc), 7 p. m., North Shore line program; 7:45, Uncle Dan and WORD study club; 9, recital, Rudolph Magnus, tenor.

WQJ, Chicago, Ill. (447.5m-670kc), 11-12 noon, Sunday dinner menu, Ted Wilmes; 3-4, domestic science lesson, Helen H. Downing; "The Valentine Party," Julia Deal; 7-8, Rainbo Gardens orchestra; Henrietta Nolan, violinist; song biography, H. W. Bundy; Margaret Cade, soprano; 10-1, Rainbo Skylarks; Dr. H. Lucille Long, harmonica player; Melodians; Dean Terrill, baritone; Merrill Carder, baritone; Mary Wade, soprano; Romo Vincent, boy baritone; 1-2, Ginger hour.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., concert; 8:45, Nunnally Miniature symphony orchestra.

WSM, Nashville, Tenn. (282.8m-1060kc), 6:30 p. m., concert, Francis Craig's orchestra; 7, bedtime story inter-

(Continued on page 30)

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Congress Stages Comedy

OUR Washington correspondent writes that two important facts have been established by the hearings in congress on the Dill and White bills which would give the secretary of commerce additional authority to properly regulate Radio. One is that the Radio industry, the broadcasters, and the general public all favor the general principles of the regulatory measures proposed.

The second fact emphasized is that George M. Cohan has a new and serious rival in the comedy producing field—congress. The hearings have brought out, together with many laughs, the fact that the average congressman does not know enough about Radio to discuss it intelligently, much less legislate toward its regulation.

But we can't expect our senators and representatives to have considerable knowledge concerning such a highly technical subject. And the congressmen admit they haven't, so everyone is happy.

Major Maubourgne, of the U. S. signal corps, at one of the house hearings, was asked a question by Rep. Frank Reed, of Illinois. The major did not understand the question, which was queer and hardly coherent insofar as Radio technicalities are concerned. He informed Representative Reed he did not understand the question.

"Well, you haven't got anything on me," nonchalantly retorted Mr. Reed. "I don't understand it either."

At the senate hearings, Judge Stephen Davis, acting secretary of commerce and Herbert Hoover's right-hand aide on the subject of Radio, was forced to spend one whole morning explaining the difference between a wave length and a band of wave lengths. Then he had another hard one when he told the senators the difference between wave length in meters and frequency in kilocycles.

At the conclusion of one of the hearings in the senate interstate commerce committee, which was discussing the Dill Radio bill, one of the experts representing a Radio company, telegraphed an associate as follows:

"Come to Washington immediately. You are missing one of the best comedies I have seen in a long time." The lack of Radio knowledge on the part of the congressmen, as we have noted, is excusable, but if these same congressmen take it into their heads that the situation calls for large doses of the amendment medicine which they so dearly love to apply to most measures, the Radio bills, badly mutilated and full of holes, may emerge in such a form as to be wholly unacceptable and actually harmful.

Write your senators and representatives to "never mind what it's all about," but vote for the Radio bills as proposed by Senator Dill and Representative White. They are what is wanted by everybody, immediately, not next year.

Does WIR Spoil Your Reception?

TOO late received to be included as a hint for International Radio Week, comes a communication from a reader who is bothered by interference from a commercial station, WIR, at New Brunswick, N. J.

This plant is a 20,000-watt experimental telegraph station operated on 74 meters, supposedly, by the Radio Corporation of America. The interference from this source is so strong that it spreads clear over the broadcast wave bands, from 200 to 545 meters.

The complaining listener lives in Pittsburgh, a good distance away, but says the interference is still terrible. Even local reception is badly mutilated. Complaints from Ohio also report WIR as interfering.

Interference of this kind is hardly a good thing for the Radio industry. If one must experiment, let the experimental station be so located and so designed as to create a minimum of trouble for the broadcast listeners. Perhaps the experiments could be scheduled at such an hour in the morning as to disturb no one.

Cannot something be done to prevent WIR from crashing all over the ether? If not, it should be closed down. The public must be served. The attention of Supervisor of Radio Batchelor, of the second district, is remanded to this nuisance.

Stop it, Mr. Batchelor!

RADIO INDI-GEST

Listenin In

Daddy called me down the cellar
When Mama was away.
"Now be sure that you don't tell her
A single word I say,
Because I'm not wantin' her to know,
Or she'll get mad as sin—
Sh-h-h-h- gonter get a Radio
An' you can listen in."

My mama's mind runs most to clothes,
The fashions and the style,
But when it comes to Radios
She says they ain't worth while.
When daddy gets the thing set up,
An' some speaker wags 'er chin,
I'll bet a doughnut to a pup
Ma's first to listen in.

Barney Lee

Hirsute Harmony

"Trade" and "Mark," the famous "Smith Brothers" are singing every week over WEAF. The program is sponsered by the Smith Brothers Cough Drop company. This feature should be broadcast over KOA, Denver, or KFXF, Colorado Springs.

Dear Little Mother

"When her only daughter reached the mature age of three, she found her offspring had inherited her mother's talent."—From story in WOR Studio News.

The Third Alarm

When I wake up and stretch, and slowly yawn,
And marvel at the fleetness of the night
So quickly overtaken by the dawn,
I wonder what impetus had their flight.

"There surely must be some mistake," I moan,
"Why should I be so tired and rum-dumb?"
Then suddenly I'm mindful I am prone
To stay up late when programs start to come.

The Night Herd

Helen Maria!

Dear Indi: Since the institution of microphones in the House of Lords it has been discovered that the most intimate conversations are broadcast through the chamber. Recently the Archbishop of Canterbury (a peer by right of his office) heard another peer speak of him to a neighbor member as, "What a fool this old fossil is." Unless the installation can be tuned down, it is said the peers will demand the removal of the instruments. They insist on their rights to swear in privacy.

FOG.

'S funny, Fog. Really, old topper, m'lord should be elected, doncher know. F'rinstance like our senators. By the time he went though a few campaigns, a good cussing, exquisitely frilled, would fail to jar his monocle. He might not even bluster if he was threatened with becoming the groundwork for a fossil.

Symphony in Minors

Slim and Red and Spud and me
Built us a reg'lar station,
We're gonna broadcast music, too,
And Slim's school-day oration.

We built it up in Red's hayloft,
With a seive for mikrofone,
And padded up the place with quilts
To pertect our music's tone.

We use a clothesline for the thing
To send the waves a-bouncin',
And we're all set to thrill the world,
With Spud to do the 'nouncin'.

Slim got his mother's roastin' pan
An' I swiped our wash basin,
And Red an' Spud each got a pail—
Tune in and get our station.

Will O. Wisp

For Peruvian Sheiks

We noticed in the program from OAX, Lima, Peru, that a camel-trot was included. And right away Blooper piped up and wanted to know why they had that in Peru, as they don't have to go eight dances without a drink. But anyway, we hope the graceful dancers we saw in Lima several years ago are not humping over now like our American Charlestoners.

Gotta Blame "Blooper"

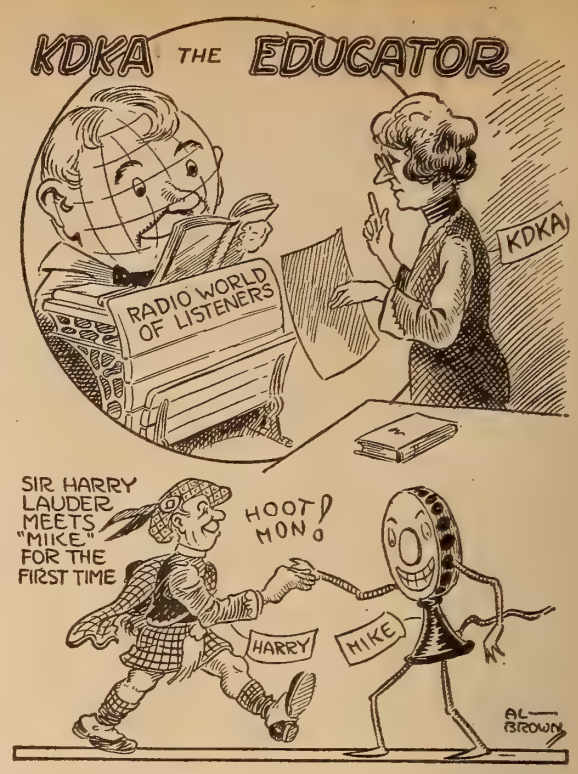
I KNOW OF AN ANNOUNCER
WHO'S A PEST UPON THE AIR—
IF I CAN GET A BOUNCER
. . . . . .

Say Folks, there's a little freckled-faced kid here that does everything from pester us in the morning to pester us at night. He's a good kid, but he'd meddle in H. R. H. Davie Windsor's love affairs or any other trifling matter, if he could, so we have nicknamed him "Blooper." He wanted to help Indi for this issue by writing a poem. He handed the above in and said there were so many things he would do to a pesty announcer he couldn't get them all in one line. Indi wants the worst thing that could be done put in that line. Can you help him out with a suggestion? An autographed heterodyne squeal with a rubber string attached will be sent to the one who submits the best line.

Your Program's Coming In Fine

Will one of the chain gangs please sing "The Prisoner's Song?"

The News of the Week



Condensed

BY DIELECTRIC

Fortunately for Radio listeners one did not have to be a resident of Allentown, Pa., to hear a beautiful number, "Ecstasy," rendered by a string quintet. This number presented through Station WSB, Atlanta, was a feature in the Lion and King program and dedicated to someone in the town mentioned above. Whether the piano was misplaced with reference to the mike, or just played too loud, the result was a prominence which tended to upset an otherwise excellent ensemble. A later feature of considerable interest was provided by carrying listeners about from one to another theater in the city, thereby introducing a variety of acts and musical selections.

That quiet, southern-accented voice of Wendall Hall, set off by his engaging chuckle, has a very competent pair of wings attached—or so it would seem. Not so long ago, he has perfectly at home before a mike in Chicago and more recently we heard him from the studio of KOA, Denver. By the time he reached the latter city several new jokes had come to his mind which he unhesitatingly proffered for our benediction. Some of them received anything but that, while others would make even the stern lines on Bernard Shaw's face relax. Everybody likes his uke-ing.

Let's see how many of the broadcasting stations we can commend for omitting undesired material in their announcing or including such things as the Radio audience deems essential to satisfactory reception. The station to be mentioned at this time is WTAM, operated by the Willard Battery company, Cleveland. Throughout the playing of a dance program at this station there was announced between each number merely the station call, city and selection to follow, amounting to the least interruption one might wish for. There are others to note.

Just as Station WJJD, Mooseheart, Ill., reached that part of an evening program where a native Eskimo was presented, our dials tuned them in. This gentleman of the far north country has succeeded in mastering pianoforte execution in a manner thought improbable for one of his birthplace. The recital was given from the Palmer House, Chicago, and was consistently interesting. Yet the playing of this pianist stood out prominently, due to skill in execution and expression.

Should you hear the Boswell Sisters, from Station WSMB, New Orleans, you will readily understand why they have been retained on the broadcast programs of that station ever since its inception. They are clever performers on their chosen instruments and might fittingly be included in the galaxy of artists' likenesses appearing in this paper. Another observation should be made, which is to the effect that announcing is done slowly, distinctly and pleasantly.

Station WPG, Atlantic City, developed an anniversary program of merit including awarding of prizes to listeners—a customary proceeding—and switching by remote control from the new Elks home at that seashore resort to other points in the city where entertainment was available. Both the participants and listeners spent a lively evening together.

There is one group of songs to which music lovers never tire of listening—the Indian love lyrics. A tenor with good vocal equipment rendered one of these songs before the mike of KFI, Los Angeles. Another feature worthy of comment was the violin playing of Samuel Gardner.

ABC Radio Fundamentals for Everybody

Chapter IV—How Sound Waves Are Received

By Milo Gurney

IT IS obvious that if we are to intercept the Radio waves, which have been thrown into space, a substance must be provided in a form which has a marked affinity for such waves. In addition, there must be a means for converting them into audible frequencies, together with a mechanical arrangement which will make the output understandable.

To meet the first requirement, an antenna, which may be either in the form of an elevated copper wire, or in the

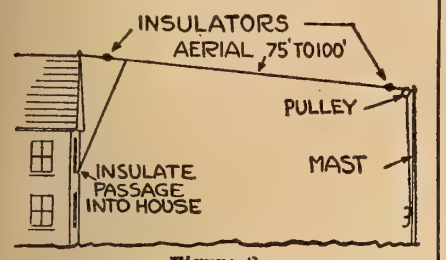


Figure 8

shape of a coil or loop is used (see figures 8, 9 and 10). Each type has its advantages, but coil or loop antennas do not supply nearly as strong signals as do the single wire antennas, placed 30 or 40 feet above earth, and well away from objects which might act as a counterpoise. A counterpoise acts practically the same as a ground, and when antenna is not correctly installed, consists usually of metal roofs or like objects. This result holds true, even though the loop possesses an equal length and size of wire.

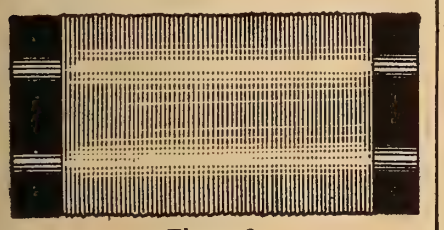


Figure 9

To furnish a definite reason for such varying signal strength would carry my discussion well into the mathematics of Radio, assuredly an angle which would not be of general interest to my readers. It is, however, quite easily proven that within certain limits the distance from the earth at which either type of antenna is placed has a marked influence upon its efficiency as an energy collector, insofar as signal strength is concerned.

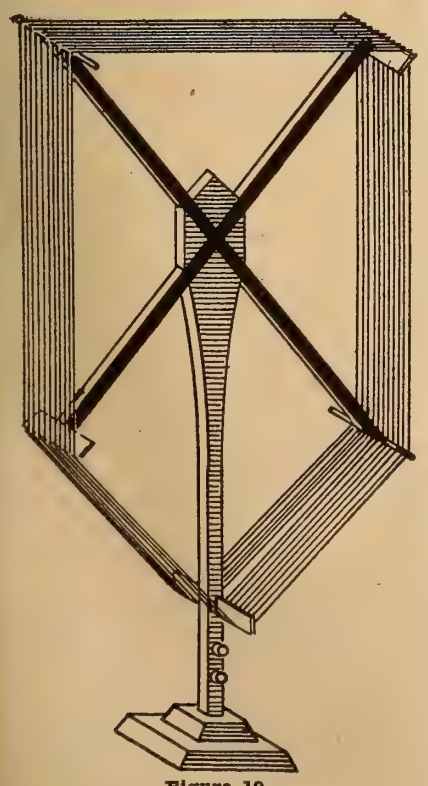


Figure 10

If signal strength was our only concern, then a single wire antenna, or a multiple of such wires, placed in a horizontal plane would undoubtedly be preferred. But very often, because of its directional characteristics, the use of a loop is advisable, if not imperative. In order to compensate for its lack of signal strength, an additional tube is employed in the receiver, or advantage is taken of a wiring process, or circuit arrangement, which is termed reflexing. This circuit or process is such that the tube, or tubes is so connected as to do double duty.

In order that the waves may be converted into audible frequencies after interception they must be passed on from the antenna to a tuner, whose function is that of making possible the selection of the station whose program we may desire to listen to and from this tuner on to a detector, or converter, which is a better word. The part taken by the detector is to convert the waves which have reached it in the form of radio frequency to that of audible frequency. As explained in a previous article, they are converted to a frequency which is within the capability of the human ear to hear. As both the tuner and the detector are of more than casual interest and, further, as their method of operation is distinctly novel, each will be given their deserved attention through separate treatment.

The tuner, or station selector, as used in Radio receivers, is not the complex mechanism that many would have you believe.. Rather it borders upon the ridiculously simple when viewed as the complete unit. Persons knowing little about the principles involved regarding the design of a tuner, have brought to the gullible purchaser a multiplicity of them, some worthy but most of them an object of pity. Yet each is backed with a promise that included everything which the maker felt would answer your questions and attract another dollar from your pay envelope. Out of this maze of maybe's, three distinct types stand out as being fundamental in conception, and in general use today. They are known as single (figure 11), double (figure 12) and three-circuit (figure 13) as pictured in the drawings shown. Of the three, the double or two-circuit tuner is the type most preferred, and while the three-circuit tuner passed through a wave of popularity in the early days of Radio, it slowly declined until its name was seldom mentioned in polite Radio circles. Of late, with the advent of a great many circuits using what is known as a stage of radio frequency preceeding regeneration, the three-circuit tuner is once more coming to the front, even if it does not now hold a very strong position in the field.

Later on in this series, the advantages of each will be explained, while for the present I shall only use the single-circuit type without variations in order that the layman may not be confused.

Using figure 11 as our example, the Radio waves from all stations which are powerful enough to reach your antenna are passed on and down through a wire from this antenna to a coil within the receiver, and through it to earth. As the transmitting station is also connected to earth, the electrical circuit is thereby completed. Connected to this coil is a

(Continued on page 24)

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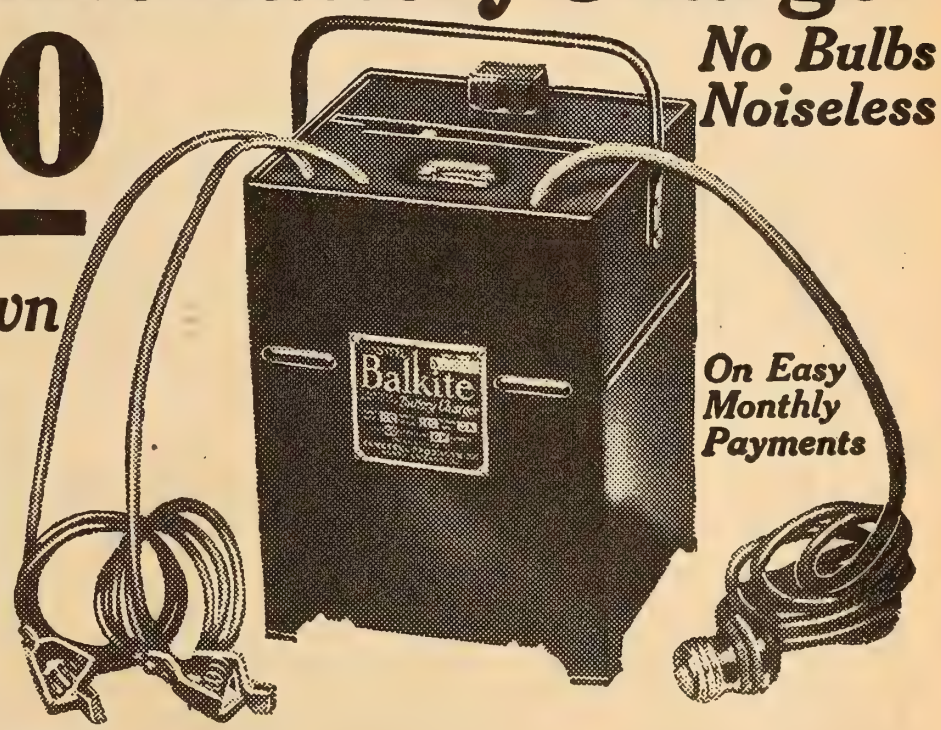

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The Balkite Battery Charger is based on a new principle, the use of "Balkite" a rare metal developed for this purpose. It will charge the ordinary 6 volt radio "A" battery or automobile battery from 110-120 AC, 60-cycle current. It will also charge radio "B" batteries of the lead type without added attachments in multiples of 6 cells.

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A B C'S OF RADIO SETS

(Continued from page 23)

mechanical and electrical device which is termed a condenser, shown in figure 11 as that portion of the drawing containing the arrow. It is the shaft of this condenser which passes through the front panel of your receiver and to which the tuning dials are fastened.

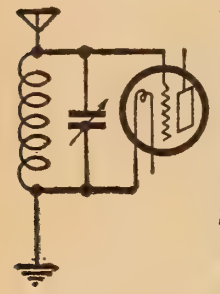

Figure 11

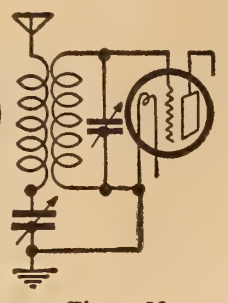

Figure 12

The purpose of this condenser is to so vary its electrical characteristics, by turning the dial, as to allow only the station to which we desire to listen to pass through it and on to the detector or converter. An apt analogy may be cited if we but consider this condenser as an adjustable sieve through which all of the several wave lengths are clamoring to pass through, but which are retarded because the openings have been adjusted by the operator to a degree wherein only the wave suitable to our pleasure can pass. The question may arise in your mind at this point as to why it is that very often, in addition to the waves of the desired station passing through, apparently others also pass, because we can hear other stations, though with a lesser signal strength? As an explanation concerning the cause of this is worthy of a separate article, it shall be deferred until later in this series.

It is then of interest to remember that as both the antenna and the tuning coil within your receiver have an affinity for the interception of Radio waves, and as they are conductively connected, they are therefore not, in their service to you, unlike the electrical current in your home, which is ever a service to the lamps and only awaiting one to turn them on.

Tuning, wherein a loop is used rather than an outside antenna, is identical in the electrical and mechanical means employed. A condenser is also required, and attached to a coil. An exception is that in place of an antenna being used, the collector agency is represented as a loop, and unless such a loop is converted to a form of antenna, no connection to earth is made.

While this series of articles is directed primarily to those interested in the learning of the Why's and Wherefore's of Radio, my correspondence for a considerable period has indicated that altogether too few experimenters understand how a loop functions as an energy collector. I cannot, therefore, pass the subject without clarifying this much mooted question. Later on the construction of an efficient loop will be outlined together with the reason why.

As a loop receptor has no connection to earth, it is obvious that it does not pass an electrical circuit to earth which returns to the transmitting station. Hence it must rely upon another means. In

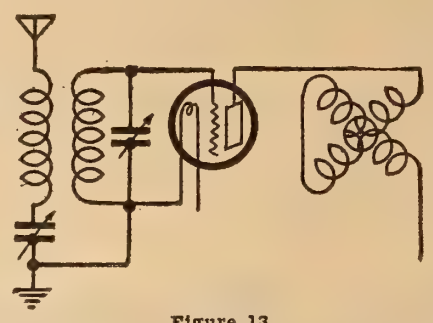

Figure 13

this instance a loop is influenced through being within the field of the electro-magnetic waves which are transmitted, and which permeate the atmosphere. If we should change the electro-magnetic waves to heat, and assume that such heat is being radiated from a radiator, then objects placed near the heat will absorb a portion of it, in direct ratio as the square of the distance and its area. A loop therefore, when placed in the electro-magnetic field of a transmitting station, functions also as an absorber of electro-magnetic waves, which induce a replica of the modulated waves within it.

(In next week's article, Mr. Gurney will explain the fundamentals of the detector, or convertor, and how it functions.—Editor's Note.)

BALTIMORE HAS VOICE

(Continued from page 6)

the advantage of a powerful Radio station and a voice in the Radio assembly of cities and states commensurate with its standing as the home of a great university, the Johns Hopkins, ... its patronage of the arts, especially music; its rapidly growing importance as a great sea port; the industrial center of the Atlantic coast—the Port of Opportunity and as the newest of the old cities of our great country."

And to prove his sincerity Mr. Wagner added, "It is my privilege to dedicate this new Radio station to Baltimore and Maryland and to the service of their people in such ways as may be found most useful to them. The station is to be known as Baltimore. It will be so designated and referred to in our future announcing and operation. After tonight, the name of the company will not be heard in the announcements of this station, nor is it proposed to commercialize its operation."

The governor and the mayor responded, heartily thanking Mr. Wagner and his company for their generous contribution to the commonwealth.

"Many times since I have been mayor of Baltimore," said Mayor Jackson, "have I been importuned to establish a municipal broadcasting station, and little did I think that when I postponed these matters from time to time that the initiative would be taken by the Consolidated Gas, Electric Light and Power Company of this city."

There are two studios, one large and one small, the larger one being capable of handling a full symphony orchestra. In the reception room there is a loud speaker for the benefit of those visiting the studio.

WBAL is located about 20 miles from the center of Baltimore on a knoll 700 feet above Baltimore mean tide level, and connected by cable to the studio in the Lexington building in Baltimore's business center. It is operating at present at 1,000 watts on a wave length of 375 meters and will so continue until otherwise ordered by the United States department of commerce.

Frederick R. Huber, a distinguished figure in the musical life of Baltimore, is director of broadcasting. Mr. Huber has been manager of the Baltimore symphony orchestra ever since its inception ten years ago, in addition to which he is also managing director of the Lyric theater, Baltimore's largest music hall, and municipal director of music. These various activities have given him a wide experience in musical affairs and make him one of the most highly qualified of broadcasting directors.

The studio manager is Stanley W. Barnett, who was called to WBAL from WOC, at Davenport, Ia., where he served in a similar capacity. Mr. Barnett has had considerable Radio experience, being familiar with every detail of its operation.

George Bolek, pianist, and Gustav Klemm, composer, are program supervisors. Mr. Bolek is a well-known figure on the concert stage, where he has appeared with many distinguished artists. Mr. Klemm is conductor of the WBAL orchestra which broadcasts twilight concerts every Sunday evening from 6:30 to 7:30 o'clock. Vocalists also are to be included on these orchestral programs.

Of importance in connection with the work of this station is the operation on a weekly schedule. Mr. Huber has provided that lovers of novelty and music of a lighter character may have their place on the programs each week. Friday has been set aside as "novelty" night and from 9 to 10 o'clock unusual features that will have a distinct appeal to all will be broadcast.

Monday and Thursday nights will be "concert nights". The programs will run from 8 to 10 o'clock; the program from 9 to 10 o'clock Thursday evening will feature members of the WBAL staff. Tuesday will be "ensemble night" when vocal and instrumental quartets, trios and duets will be heard. Sunday, between 6:30 and 7:30 o'clock, there will be "twilight" concerts featuring well-known vocalists and the WBAL orchestra, of which Gustav Klemm is director.

Wednesday and Saturday nights are silent.

Headphones Are Delicate

Head phones, when well made, are delicate instruments, and should be handled just as carefully as a fine watch. One should never let them drop, or handle them roughly, any more than one would willingly let a glass tumbler fall on the floor. Though head phones will often stand considerable rough treatment without serious damage, strict adherance to the rules of care outlined here is the best assurance of good reception.

Fading experienced by Radio fans has been traced frequently to sagging aerials that were being swung back and forth by the wind. When the slack was taken up the fading was eliminated.

Big Price Reduction

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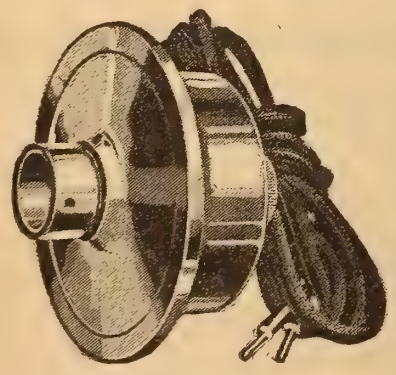

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Complete B-eliminators or parts, specially designed for use with RAYTHEON tubes, are manufactured and sold by:

Acme Apparatus Co., Cambridge, Mass.
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You can buy these B-eliminators, parts, and RAYTHEON Rectifying Tubes at your dealer's. Price of tube, $6.

Long Life
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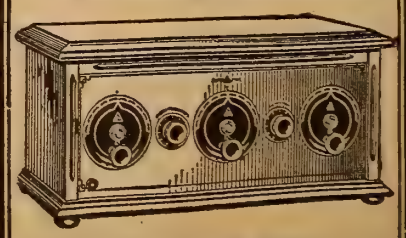

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OPERATING AND TROUBLE SHOOTING

OPERATING and Trouble Shooting, is a Radio Digest feature, the purpose of which is to give practical information on the operation, care and cure of simple troubles in every kind of receiver. Standard Radio receivers of wide distribution and use are studied from the standpoint of instructions for installing and connecting, tuning and operating, and remedying little difficulties. The suggestions below, if executed faithfully, will make winter broadcast listening yield all there is to yield to the reader and give your set a fair chance to show its worth.

For the Owner of a Day-Fan Five Receiver

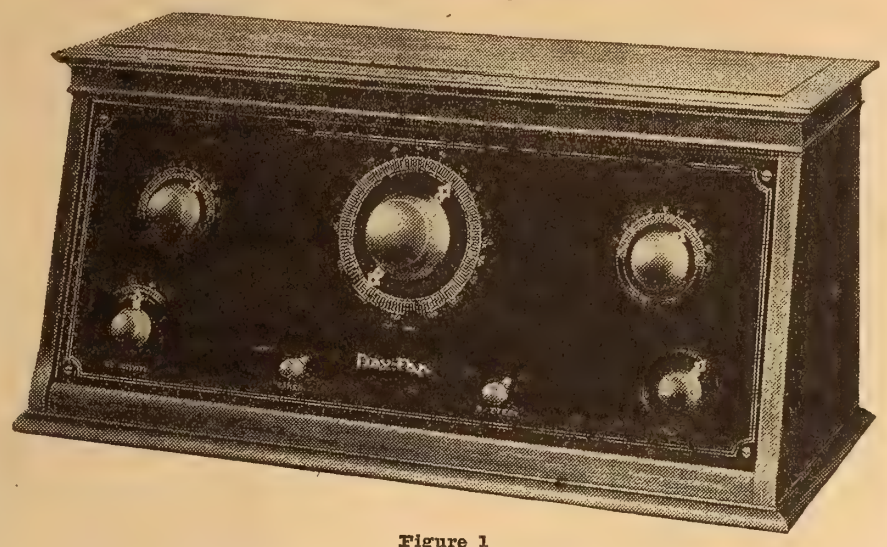

Figure 1

MANY have tried, but few have succeeded, as have the designers of the Day-Fan 5, in producing a Radio receiver of such remarkable simplicity.

Its semi-sloping panel in black and gold, relieved by a housing of hand-rubbed mahogany, in effect accentuates the one dial major tuning control, which is this receiver's outstanding feature. Through slowly turning this dial, and an occasional slight adjustment of the small vernier dials at either side of the major one, we were able to not only separate each of the Chicago stations, but receive satisfactory reception from outside stations, which speaks well for the selectivity of any make of receiver.

In addition to the controls mentioned, two additional controls are provided at the opposite lower corners of the panel, which function as aids for additional selectivity, and the regulation of volume. This completes the panel assembly with the exception of a centrally located battery switch of neat design, which is used to either turn on or off the set.

The interior assembly of parts, together with the evidence of careful workmanship, is in keeping with that which one expects from manufacturers of repute, the total receiver expressing the thought of keeping well abreast of Radio's rapid advancement.

Antenna and Ground

As the construction of an efficient antenna and ground are of vital importance, our experience with the Day-Fan indicated that the antenna should be number 14 single strand copper wire, from 80 to 100 feet in length, and placed as high above ground as possible. Care should be taken to insure it being well insulated from, and not touching, any surrounding objects. The lead-in wire from the antenna to the receiver should be number 18 rubber covered wire and securely soldered.

If this is impossible, your next choice may be an equal length of rubber covered number 18 copper wire, strung along the picture moulding of an upstairs room, or located in an attic.

The ground connection should be as short as possible, the size of wire used to be the same as for the antenna, while it need not be insulated. Run this wire from the receiver as direct as possible to a cold water pipe, to which it should be fastened by means of a ground clamp, purchasable in all electric or Radio supply stores. If such a clamp is not available, it is then permissible to file or scrape a portion of the pipe and to wrap approximately two feet of the bare ground wire tightly around the cleaned portion of the pipe. When completed cover this wrapping well with ordinary tin foil, and over it and the wire fastened to the pipe place a wrapping of tape.

Should no cold water pipe be available, a galvanized iron pipe about six feet long, to which the ground wire has been secured in the same manner as outlined for fastening to a cold water pipe, may be used. This should be driven its full length into moist earth.

As no receiver is any better than its weakest link, it is of importance that only proven accessories should be used. Look well then to the quality of the tubes, batteries and loud speaker which you purchase. Price is not a criterion of goodness, while reputation is.

Accessories

You will require five 201-A or 301-A type tubes, two 45-volt B dry batteries, the heavy duty type being preferred, and one 6-volt wet storage A battery, for this receiver. In addition a suitable loud speaker will, no doubt, be required.

In purchasing the A wet battery, as well

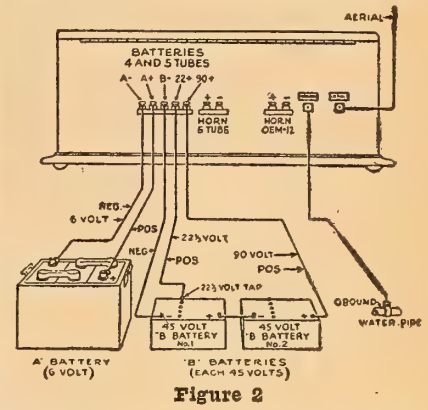

Figure 2

as the B dry batteries, secure your dealer's assurance that they are fresh and fully charged. A fully charged wet storage battery should indicate a hydrometer reading between 1275 and 1300, while a 45-volt dry B battery should test with a reliable voltmeter 38 volts or better, in order to be of value.

Connecting the Receiver

Before attempting to connect the batteries and antenna and ground, carefully read the instructions which come with the receiver. The actual making of these connections has been made extremely easy as a 5-wire cable for making the connections to the batteries is furnished and properly connected with the terminals of the receiver. One then has but to place

(Continued on page 26)

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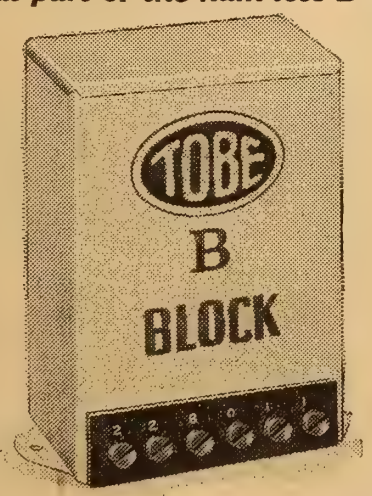
An essential part of the hum-less B-eliminator



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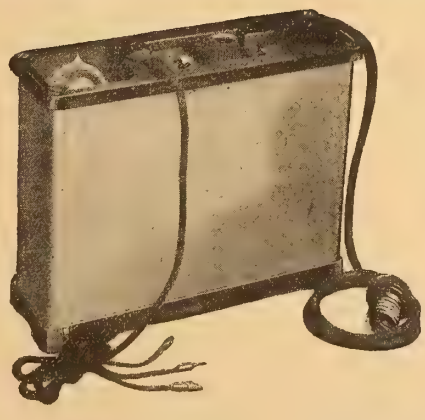


The Acme B-Eliminator, shown to left, is made in two types:

Type E-1, (110 volts 60 cycle), $50
(Type E-1 uses Raytheon Tube)
Type E-2, (110 volts, D. C.), $20

For those who want to make their own:

Acme B-4 Transformer.....$7
Acme B-2 30 henry Choke...$5

Acme B-Eliminator gives—

Greater Distance, Greater Volume and Better Quality With no noise—no hum—no distortion

THE big job in finding a method of hooking up house electric current to replace "B" batteries in radio sets has not been to eliminate the hum. That was easy. The problem was to discover a way of overcoming the distortion.

Now, after two years of experimental and research work, we have won. The Acme B-Eliminator has no noise, no hum, no distortion.

You can guess the result. No "B" batteries to quit cold when you need them most. You get permanent reception, better reception, and higher voltage that is constant.

There is nothing to wear out. The first cost is the last—and the current consumed is trifling.

The new Acme B-Eliminator is highly effective on any set from 2 to 10 tubes. Detector voltage is 0 to 70. See it at authorized Acme dealers.

Those who prefer to assemble the Acme B-Eliminator themselves can easily do so by following a few simple instructions. Send 25 cents with the coupon below and we will furnish you with an actual size wiring diagram together with a copy of our booklet, "Amplification without Distortion" which contains all necessary instructions.

ACME APPARATUS COMPANY
Dept. N11
37 Osborn Street Cambridge, Mass.

ACME
~for amplification

Acme Apparatus Company,
Dept. N11, 37 Osborn St., Cambridge, Mass.
Enclosed find 25 cents, stamps or coin, for actual size wiring diagram for construction of Acme B-Eliminator, and copy of "Amplification without Distortion."

Name.....
Street.....
City..... State.....

OPERATING DAY-FAN 5

(Continued from page 25)

the set well away from radiators or metal objects, which have contacts with the earth, and attach the free ends of the cable to the batteries as indicated in figure 2. The plus, or positive, terminal of the A battery is marked + or painted red.

Place the 6-volt storage battery as close to the receiver as is possible, yet convenient for charging if you have a battery charger. Rubber covered wire for the connecting of this battery to the receiver should not be smaller than number 16 if the battery location does not exceed six feet from the receiver. If of greater distance, up to ten feet, then a number 14 wire should be used.

It is also advisable to place the dry B batteries convenient to the receiver and at no greater distance than that of the A battery. The connecting wires from the B battery must also be well insulated, although the size may be smaller, though not less than number 18 gauge.

A booklet is included with the Day-Fan 5, in which is a wave length calibration chart, which enables the operator to instantly locate the station desired. This is arranged so that the indicating numerals coincide with the dial reading, and presents a most helpful aid to the novice.

After connecting the receiver, insert the tubes in their sockets, and turn on the battery or loud speaker switch, then proceed as follows:

1. Set the pointers marked "Selectivity" and "Volume" so that they are vertical.
2. Turn the center dial all the way to the left and then all the way to the right, which will line up the tuning condensers.
3. Set the large center dial at the number shown on the wave length calibration chart, sent with the receiver, for the station which you desire to hear.
4. Turn the speaker switch to the loud position.
5. Turn the selectivity dial from right to left until maximum volume is secured.

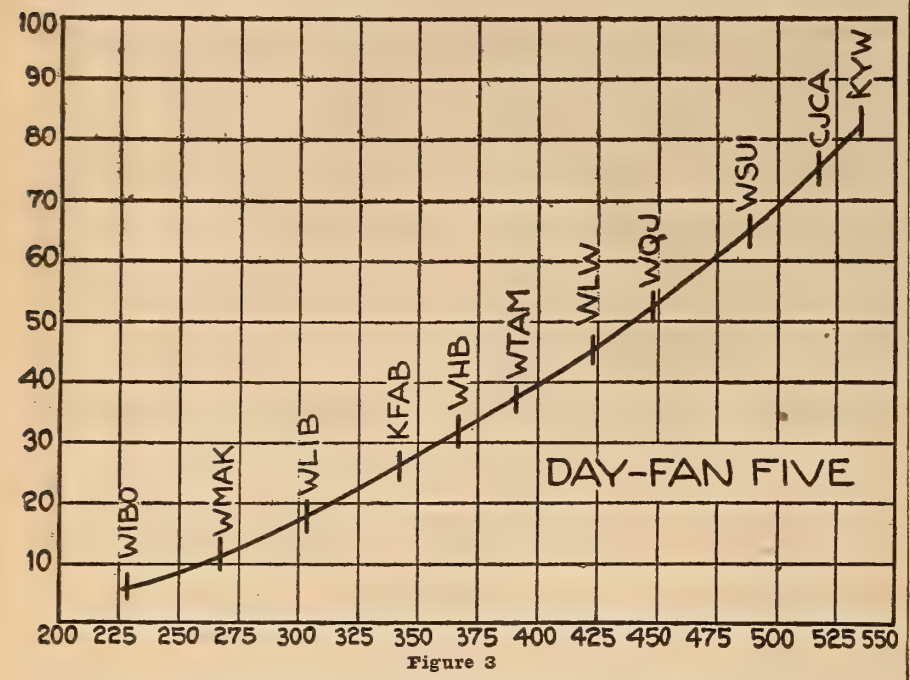


Figure 3

6. Turn the volume control well over to the right and then slowly back to the left until the tone and volume is such as to please you.
7. If the volume is still too loud, turn the speaker switch from loud to soft.
8. Once a station is tuned in, slight adjustments of the dials to the right and left of the large dial will clear up the signal.
9. Slight adjustments of the "Selectivity" dial will materially assist in the tuning in of stations which are otherwise hard to separate from interfering ones.

Tuning Chart

As an additional assistance in operating this receiver, and also as indicating our method of checking the claim of the manufacturer relative to one being able to set the main control dial in accordance with their wave length calibration chart, we produce in figure 3 a graph chart of wave lengths against dial settings.

The check was made covering the reception of twelve typical stations which were broadcasting from 244 to 536 meters, and it is surprising to note from this chart how closely it adheres to the manufacturer's claim.

KFDM "TOOTSIE LINE"

(Continued from page 7)

Suddenly the loud speaker trembles and almost falls off the stand. What's the matter? Gracious sakes! Can it be a wreck?

"Oink! Waugheee-er-oof!" Tootsie rears back on her haunches, such as they are. Lubricating Luke and the Claim Agent make a dash for the door. A general medley, amounting almost to a melee follows. Farmer Perkins and the Bathing Beauties get all mixed up and the Flappers and Pete the Passenger tumble out of the Accommodation coach. Just as they are about to emerge on what is expected to be a gory scene a resounding "Hee! Haw! Haw!" comes chortling through the circuit.

WHERE HAVE you heard that voice before? A Missouri mockingbird! Yes sir! No, maybe 'bout it either! And the first strange sound you heard which started all the commotion and stopped the locomotion was kerzactly what you thought you heard—a real live porker!

And don't you ever think "Tootsie" is a fake either. Magnolia Mike sent us an actual photograph of everybody that takes this trip, only there wasn't quite room enough to include "Mrs. Tootsie," as Pete the Passenger called the Accommodation car. Some listeners have written into the station differing with Pete on the precedence of this relationship, whether the Accommodation or "Tootsie" was the "Mrs." You say "There she comes" when you see her coming 'round the curve, meaning the engine. But then, again, suppose it is a mail train, argues Pete.

However, "Tootsie," and all on board finally steam into Beaumont and find the Magnolious Refinery band waiting at the station wearing their starch collars and gold cuff links in their dresser drawers, which is home and has no reference to underwear. And the band with its "squeaky shoes" and all that plays a welcome fit for Old Home Week. They clamber aboard, being accompanied by three lady passengers and five other men.

Magnolia Mike then gives Castor Oil Clarence the high ball and "Tootsie" is away again. Four of the five new passengers are discovered to be the Scrap Iron Quartet and they begin to call the stations in a way that makes all the passengers want to keep on riding.

Miss Allie Mae Huitte, one of the accompanying passengers, then unpacks a baby grand from her vanity case and with sweet winged notes assists Miss Richards to waft her voice down to the South American coast. Mrs. Harvey Gilbert also sings to prove that "Tootsie" can carry more than one great singer at a time. While Magnolia Mike is clearing his throat for further announcements, Dick Haynes (for 'tis none other) suddenly bursts forth in song and "Tootsie" rumbles along with scarcely a sound from her iron shod heels clicking against the rail ends. The grand finale of this very enjoyable trip comes with a classical thrill from the ten violins of the "Mozart Violin Choir" under the direction of Miss Gladys Harned.

Here we are, at the end of the line—Magnolia Refining Station. Everybody out. Do not forget your parcels.

GHOST VIOL WINS FAME

(Continued from page 4)

another and soon the musicians' club became known as the "Kansas City Little Symphony Orchestra."

Their fame spread to other cities and other states. They traveled and the municipality recognized their importance to the fame and acclaim of Kansas City. They were adopted as a city institution. Their numbers increased until, when occasion requires, there are sixty members now in the ensemble.

Two weeks ago they began a series of concerts for Radio listeners through Station WDAF of the Kansas City Star. The orchestra seems to speak the personality of its leader and with Luigi Bussolari, the concert master, these two sons of a land of song and sunshine have come together to bring the happiness of their inheritance directly into the homes of hundreds of thousands of this new land of opportunity.

Prest-O-Lite

There are many improvements in the new Prest-O-Lite Battery

IN THIS new battery you'll find all the good points and high quality that have made Prest-O-Lite an unfailing aid to better radio. And in addition there are many important refinements and improvements that make it the most attractive, most convenient battery you can buy.

This new battery has a beautiful stippled finish hard rubber case that blends with any furnishings. The case is molded in one piece, giving sturdy, leak-proof strength.

To make the battery convenient to carry, the handle has been given a comfortable rubber grip.

The oversize terminal nuts on the binding posts are easy to turn and insure perfect contacts.

Novel rubber insulators completely cover the tops and sides of the cell connectors, preserving the original fine finished appearance at all times and giving protection against accidental short circuits.

No effort has been spared to make this a battery you will be proud to own. Yet, like the rest of the Prest-O-Lite line, it is priced to offer you the biggest value of the day. Ask your dealer to show you this battery and the Prest-O-Lite Chart that helps you select the right battery for your set. Or write Indianapolis for a copy of our interesting handbook on radio storage batteries and how to charge them.

THE PREST-O-LITE CO., Inc., INDIANAPOLIS, IND.

New York **San Francisco**

In Canada: Prest-O-Lite Company of Canada, Ltd., Toronto, Ont.

Construction of B Current Power Supplies

Part I—The Acme-Raytheon Type

By George Walters

WHEN the vacuum tube first came into use for Radio work through the inventive genius of Dr. De Forest it was but natural that flashlight cells should be the source of plate current as the current drain was small and the cells were compact. It was but natural also that the makers of flashlight cells would, sooner or later, combine the rows and rows of cells required into compact units such as the Eveready 766. These are familiar to every Radio fan boasting more than a crystal set and have been in use for a number of years. Almost equally familiar is the storage B battery with its rows of small glass jars and quiet operation. Both of these energy sources is technically just about perfect for the purpose of supplying the plates of vacuum tubes. The current is pure direct current, without hum or ripple, and fairly constant in the matter of pressure or voltage. The only objection to the battery supply from the fan's point of view is that, in the case of the dry cell type, there must be occasional renewal and, in the case of storage cells, the necessity of recharging at frequent intervals.

The Radio public has long desired some means of obtaining current for A power, B power, and even C power, from the lighting system. Civilization has brought us so many conveniences, so many devices to relieve us of responsibility and work. that even the slight task of replacing batteries, or charging them, seems objectionable. Neither is very hard work, nor very difficult, but the phonograph needs no such responsibility, nor does the mechanical refrigerator. Realizing the demand for a power unit to supply these voltages in pure direct current form, engineers by the hundred have been seeking the solution. The result is that we suddenly have scores of B battery eliminators, a few A battery eliminators and even one or two C battery power supplies.

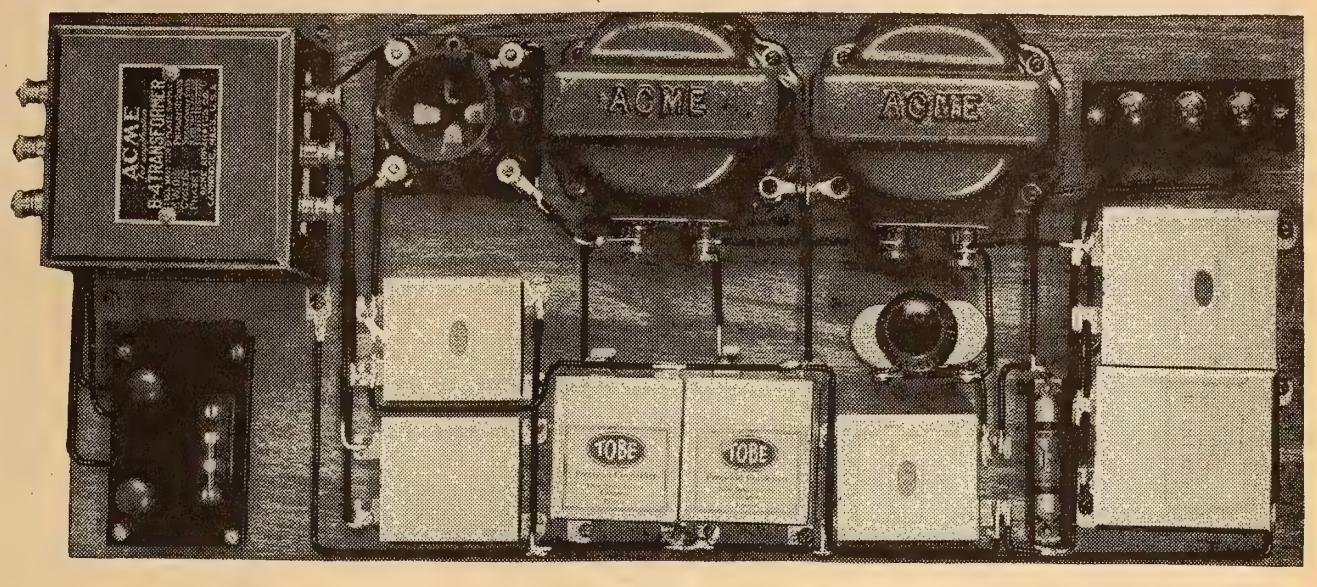


Figure 1

The Problem and Its Solution

The problem to be solved, and some of the difficulties encountered, can be run over briefly so that the reader will understand, to some extent, the solutions to be presented here. In the first place, about 90% of the country having electric light current available receives what is known as alternating current at 60 cycles. This means that the current in the wires changes its direction of travel 120 times per second. It flows first toward one end, then toward the other, completing one cycle, then repeats this performance at the rate of 60 times each second. Now a Radio set requires current traveling in one direction only, without variation or change of quantity.

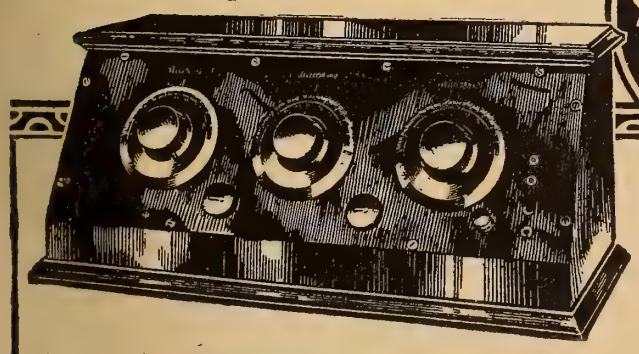
It is not particularly hard to change alternating current into direct current. This process is known as rectification and it is used as one of the two duties of the detector in your Radio. The chief difficulty has been to find a device that would be low in cost yet capable of supplying sufficient current for a set of seven to nine tubes. As the current comes out of any of the several devices finally found it has what is called "ripple." This is present in the form of surges occurring at the rate of 120 per second or one for each alternation of the original lighting current.

The second big problem was the elimination of this ripple, just as bad for a Radio set as the original "hum" of alternating current. The collection of apparatus required to take this out is called a "filter" and it comprises one or more large coils of wire on iron cores and several large fixed condensers able to hold up under high voltages. The action of the large coils is to choke back any sudden changes of voltage and make everything come through evenly, hence their name of "chokes." The condensers tend to momentarily store the choked back surge and release the excess during the following lull. Between the two of them they accomplish this and the output

(Continued on page 28)

CHELSEA

Super-Five $50

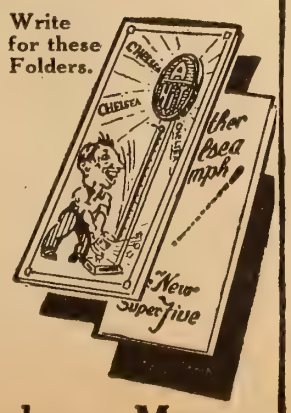


A Fine Radio Value

Chelsea offers superior performing features only found in much higher priced Receivers. Sweet, clear tone, greater volume and good selectivity. Provided with beautiful mahogany finish cabinet with over-size dials for easy tuning. Dust-proof, fool-proof inside panel, hand-soldered connections and many other quality features.

Will You Hear the Big Victor Programs, or the other Headliners of 1926?

Write for these Folders.



Ask Your Dealer to Demonstrate

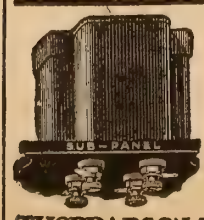
CHELSEA RADIO CO., Chelsea, Mass.

THORDARSON Super TRANSFORMERS

Standard on majority of quality sets

In sets priced as high as $2000 you'll find Thordarsons!

IS your radio set lacking in clearness and volume? To give it a *tone quality* comparable with that of the finest receiving instruments, replace the present audio frequency transformers with Thordarsons. Your dealer carries Thordarsons, *identical* with those used by nearly fifty leading manufacturers whose sets are priced as high as two thousand dollars each. Follow the lead of the leaders—amplify with Thordarsons. Write for interesting literature.



Types and Prices

Thordarson Super Audio Frequency Transformers, sub-panel or top mounting type: 2-1, $5; 3½-1, $4; 6-1, $4.50. Thordarson Power Amplifying Transformers, $13 pair. Thordarson Interstage Power Amplifying Transformers, $8 each. Thordarson Autoformers, $5 each. All Thordarsons are unconditionally guaranteed. If dealer cannot supply, order from us.

ZENITH KENNEDY Radiodyne Pfanstiehl Howard Thermiodyne OZARKA Deresnadyne ADLER-ROYAL MURDOCK MU-RAD Valleytone LEICH Silver-Marshall GLOBE Lincolnwork Newport BUCKINGHAM NUNN-LANDON KUSTOMBILT and many others use Thordarsons

Also choice of the MacMillan Arctic Expedition

THORDARSON ELECTRIC MANUFACTURING CO.

Transformer specialists since 1895

WORLD'S OLDEST AND LARGEST EXCLUSIVE TRANSFORMER MAKERS

Chicago, U.S.A.

RAYTHEON-ACME B CURRENT UNIT
List of Parts

1 Acme B4 Transformer	Acme Apparatus Co., Cambridge, Mass.	$ 7.00
2 Acme B2 Choke Coils	Acme Apparatus Co., Cambridge, Mass.	10.00
1 Raytheon Tube	Raytheon Mfg. Co., Cambridge, Mass.	6.00
2 Tobe 4 mfd. Condensers	Tobe Deutschmann Co., Boston, Mass.	7.50
2 Tobe 2 mfd. Condensers	Tobe Deutschmann Co., Boston Mass.	3.50
2 Tobe .1 mfd. Condensers	Tobe Deutschmann Co., Boston, Mass.	1.40
1 Tobe .5 mfd. Condenser	Tobe Deutschmann Co., Boston, Mass.	.90
1 Cler-a-tone Tube Socket	Benjamin Elec. Mfg. Co., Chicago, Ill.	1.00
1 Bradleyohm No. 10	Allen-Bradley Co., Milwaukee, Wis.	2.00
1 Bradleyunit 10,000 ohms	Allen-Bradley Co., Milwaukee, Wis.	.75
1 Daven Mounting No. 50	Daven Radio Corp., Newark, N. J.	.35
1 Muter S. P. D. T. Switch	Leslie F. Muter Co., Chicago, Ill.	.30
5 Ensign Binding Posts	H. H. Eby Mfg. Co., Philadelphia	.75
1 Baseboard 7⅞" by 17½"	Local lumber yard	.50
2 Scraps Bakelite (see article)	Local Radio dealer	.50
Miscellaneous, such as screws, pillars, wire, etc.		2.00
Total cost		$44.45

RAYTHEON ELIMINATOR
(Continued from page 27)

is close enough to perfectly pure unvarying direct current for practical use.

There are at this time four feasible types of rectifying devices, the chemical type, the heated filament tube, the no-filament tube and the Tungar bulb. Several different B current power supply units will be presented in these articles and that which is shown in this article is the one containing the no-filament tube. This rectifier is called the Raytheon tube; it is at present the most popular variety, and it will supply plenty of current for sets up to at least ten tubes, at any required voltages up to 180 volts.

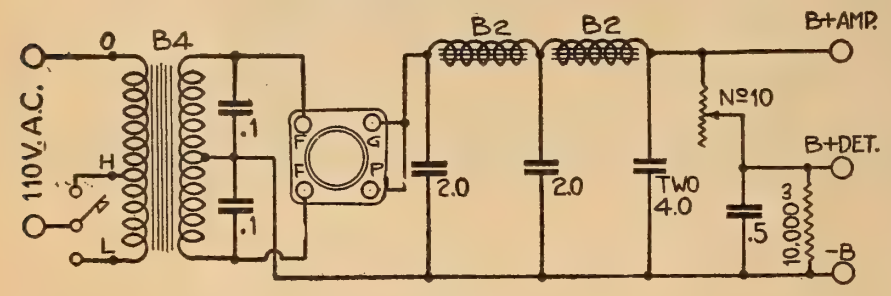


Figure 2

Choice of Parts

For use with the Raytheon tube, the Acme Apparatus company has developed a transformer to raise the voltage sufficiently to give 180 volts at the output after deducting some for slight losses in the apparatus, and a choke, of which two are needed, which is rated at 30 henries inductance. These are sturdily built power units in strong protecting cases and clearly marked. On the primary winding there is a tap so that either the tap or the end terminal may be used to give either the higher output voltage of 150 to 180 or the lower voltage of 90. By means of the S. P. D. T. switch, either voltage may be readily had, but ordinarily this will be set once for the particular set it is used with, and left.

Tobe Deutschmann has developed a set of high voltage condensers of comparatively high capacity for use in B eliminators which are, by now, rather well distributed. If you cannot get them locally, write direct to the manufacturer at Cornhill, Boston, Mass. In the Allen-Bradley line of resistances, both fixed and variable, we find two items exactly suited to use in this unit, the number 10 Bradleyohm which is variable from 10,000 to 100,000 ohms and the Bradleyunit which is a cartridge of the value of 10,000 ohms. resistance. When getting the Eby Ensign binding posts, choose two plain ones for connection to the electric light "twisted pair" and one minus B, one plus B 45 and one plus 90.

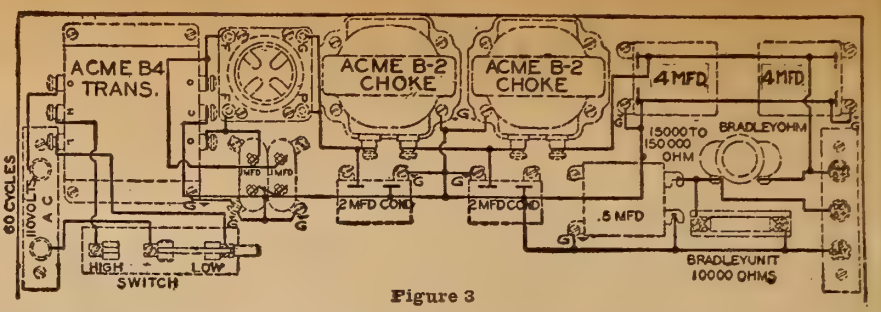


Figure 3

With the photograph, the schematic, and the picture wiring diagram you cannot go wrong. The baseboard has been made 17½ inches long so that you can put the whole thing in an 18-inch cabinet if you prefer to. An 18-inch panel can easily be screwed to the front edge of the baseboard; the edge close to which we have placed the transformer, socket and chokes is considered the rear. Should you place this device in a cabinet, you can put the three output binding posts, the S. P. D. T. switch and the Bradleyohm on the panel and bring the 110-volt cord in through a hole in the back of cabinet to the binding posts shown.

The small pieces of bakelite are held up away from the baseboard with short pillars about ¾ inch in height but if these are not handy, you can build up pillars from old dry cell terminal nuts slipped over the long wood screws. In operating this device there are a couple of points to remember. When adusting the Bradleyohm for best detector voltage keep the hand well away from all wiring as this unit has a most unpleasant kick if you get a shock. If you want to throw the switch it would be much better to turn off the current at the light socket, although the switch can be thrown to either high, low or off position if a little care is used.

(Continued on page 30)

C BATTERY VOLTAGES WITH RAYTHEON ELIMINATOR

	C-Battery Voltage for Number of Tubes Used High Voltage Tap								C-Battery Voltage for Number of Tubes Used Low Voltage Tap							
NUMBER OF TUBES	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
Type of Tube: UV 201-A or C 301-A			19	16.5	15	12	10.5	9	10.5	9	7.5	6	4.5	3	1.5	1.5
UV 199 or C 299								21	18	15	13.5	12	10.5	7.5	6.0	4.5
201-A plus / 301-A plus — one UX or CX 112		19	16.5	15	13.5	12	10.5	9		7.5	6	6	4.5	3	1.5	1.5
UV 199 / C 299 — plus one UX or CX 220							21	18		13.5	12	10.5	7.5	6	6	4.5
CX 112 or UX 112	19	16.5	13.5	12	12	9	7.5	6	9	7.5	6	4.5	3	1.5		
CX 220 or UX 220			21	15	12	10.5	7.5		15	12	7.5	6	3	1.5		

The New Radio Book HOW TO -

Operate Sets
Construct Parts
Improve Reception
Understand Radio
Assemble Circuits

The greatest assemblage of facts and hints, from actual everyday practice, ever gotten together. Edited by the technical staff of Radio Digest, it supplies the demand for a book covering every phase of Radio. Starts at the beginning with simple explanation of Radio reception, with technical explanations of the different parts and leads right on to the more advanced instruction. A complete handbook serving as a ready reference in the Radio field. It gives suggestions on parts and sets which will prove to be a money saver. Blue prints and diagrams are essentially an important part of this book. Special chapter is devoted on "How to Operate," which gives detailed information on the operation of many well known sets.

A general information is vital to the knowledge of anyone interested in Radio. It gives a complete list of all broadcasting stations with a colored map showing their location. The workshop kinks will save you time and money. Now is the time to take advantage of this exceptional offer. **Mail coupon today!**

RADIO DIGEST,
510 N. Dearborn Street,
Chicago, Illinois.

Enclosed find $5.00 for one year's subscription to Radio Digest. The new Radio Book, "Radio Receivers," will be mailed FREE, postage prepaid. This offer only good on subscriptions sent directly to this office, not through agents or agencies.

Name .....

Address .....

City ..... State .....

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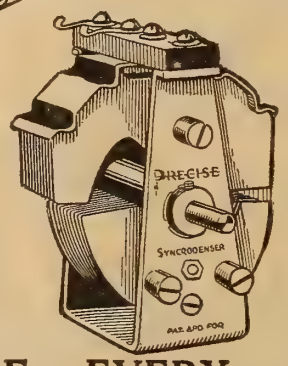


For EVERY Radio Set

THE PRECISE SYNCRODENSER will improve your receiver, and we call the attention of the SET BUILDERS to the following reasons found only in PRECISE Super-efficient condensers.

Rugged brass frame, nickel plated and polished, one piece Bakelite insulation placed outside the electrostatic field. Both rotor and stator plates are made from brass and gold plated, special clock bearings and two bronze contacts are used. Condensers are designed for mounting on panel or sub panel. Each instrument is matched within limits previously unheard of for commercial condensers.

The straight-line frequency characteristics from 0 to 50 on the dial assures remarkable efficiency in reducing interference between low wave length stations. And the straight-line capacity from 50 to 100 on the dial leave the high wave length stations at their actual separation, thus eliminating the congestion on the upper end of the dial readings encountered when using S.L.F. characteristics throughout.

PRECISE SYNCRODENSERS were the original. INSIST on PRECISE and accept no substitute.

.0005 mfd.—only $4.50
.00035 mfd.—only $4.00

Write for additional data and literature on our complete line of transformers.

Precise Manufacturing Corporation
256 Mill St. Rochester, N. Y.

Canadian Distributors
Perkins Electric Limited
Toronto Montreal Winnipeg

FOR CLEAR, QUIET "B" POWER

RADIO Storage "B" Battery

12 Cells 24 Volts ***Lasts Indefinitely—Pays for Itself***

Economy and performance unheard of before. Recharged at a negligible cost. Delivers unfailing power that is clear, pure and quiet. Approved and listed as Standard by leading Radio Authorities, including Pop. Radio Laboratories, Pop. Sci. Inst. Standards, Radio News Lab., Lefax, Inc., and other important institutions. Equipped with *Solid Rubber Case*, an insurance against acid and leakage. Extra heavy glass jars. Heavy rugged plates. Order yours today!

SEND NO MONEY Just state number of batteries wanted and we will ship day order is received. **Extra offer:** 4 batteries in series (96 volts). $10.50. Pay expressman after examining batteries. 5 per cent discount for cash with order. Mail your order now!

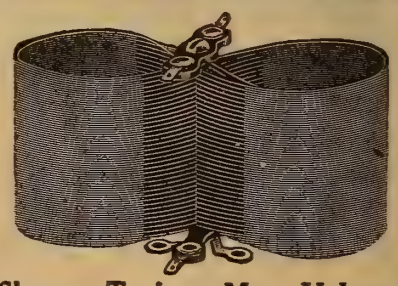
WORLD BATTERY COMPANY
1219 So. Wabash Ave., Dept. 76 Chicago, Ill.
Makers of the Famous World Radio "A" Storage Battery
Prices: 6-volt, 100 Amp. $11.25; 120 Amp. $13.25; 140 Amp. $14.00. All equipped with Solid Rubber Cases.

World STORAGE BATTERIES

Set your Radio Dials at 210 meters for the new 1000 watt World Storage Battery Station, WSBC, Chicago. Watch for announcements.

KDKA - WEAF - WGN - WJZ - KHJ - KGO - KFAE - WJY - KYW

NEW and BETTER



Sharper Tuning—More Volume More Distance

The Bodine Twin-Eight Radio Frequency Transformer is the first coil that combines a very limited Magnetic field with tremendously high amplification. It has extremely low resistance due to almost complete absence of dielectric in the field of coil. Compact, easy to assemble into your set.

BODINE TWIN-EIGHT R.F. TRANSFORMER

Order from your dealer, or direct, Price $9.00 per set of 3 matched coils, or $3.00 each.

Bodine Basket weave loops are unequalled for selectivity, efficiency and beauty. Models for all sets. Write for folder.

BODINE ELECTRIC CO.
2260 W. Ohio St. Chicago, Ill.

Unitrola: Single Dial Phonograph Receiver

Part III—Complete Wiring Instructions

By Carl Patterson

THE WIRING of Unitrola must be handled a little differently than is usually the case, due to its peculiar design and the slope of the panel. Front panel and baseboard are handled separately for part of the wiring and then the two are secured together for the last few connections. We will take up the front panel first.

1. Connect the upper terminals of both rheostats together and continue the wire up around the variable condenser to the right to the number 2 terminal on the Pilot Switch.

2. Connect the number 3 terminal on Pilot Switch to the number 1 terminal on the Dialite.

3. Connect the number 2 terminal on Pilot Switch to the number 2 terminal on the Dialite.

4. Attach a 4-inch piece of flexible wire to number 3 post on C-R-L unit at right. Attach a 3-inch piece to the number 1 terminal and a 13-inch piece to the number 2 terminal.

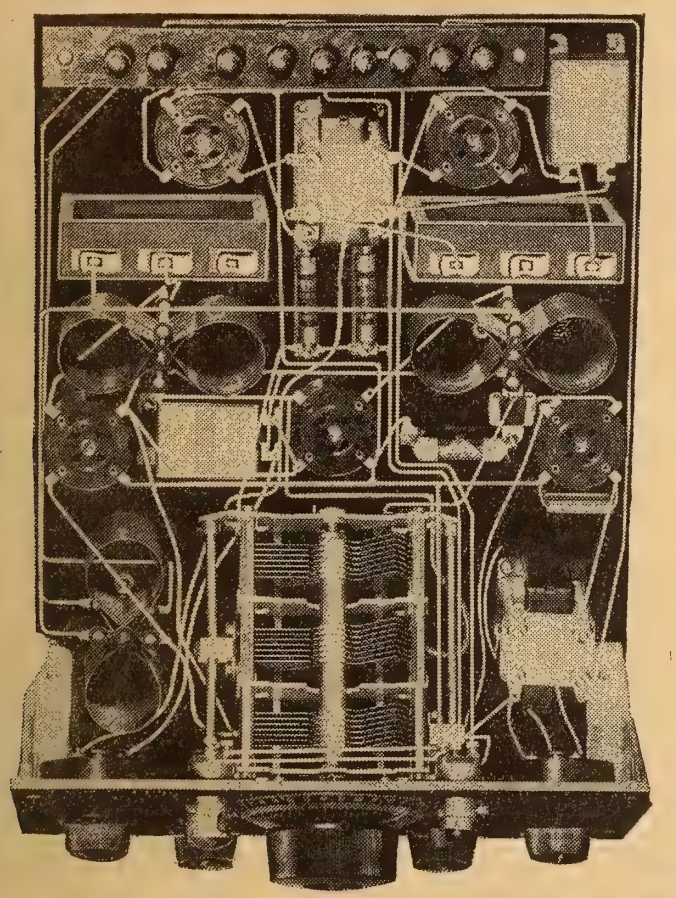


Figure 5

5. Going now to the C-R-L unit at left of panel, attach a 14-inch piece of flexible wire to the left terminal and an 8-inch piece to right terminal.

6. Connect one end of a 10-inch piece of flexible wire to lower post on each rheostat.

7. Considering the socket at left edge of baseboard as number 1, that in center as 2, that at right edge as 3, that in rear left corner as 4 and that at rear right corner as 5, we can proceed to wire baseboard assembly. Connect F plus post on 3 with F minus of 1.

8. Connect F minus of 5 with F plus of 4. From this last wire, another runs straight forward just to left of rear audio transformer and Amperites, then to right to F plus post on socket 2. F plus post on 2 is then connected by ½-inch wire to wire put in previously under operation 7.

9. Now connect F minus on socket 2 with F plus on socket 1. A short wire is then put in from F minus on socket 2 to rear lug on .5 condenser.

10. A long wire is now put in from POS B post on audio transformer in front right corner, back along edge of baseboard to rear edge, then to left to B DET plus binding post on strip.

14. The fixed condenser of .00025 mfd. capacity is then connected between G post on Bodine coil behind socket 3 and the right end of Daven mounting.

15. The B terminal of Bodine coil behind socket 1 is now connected to B terminal of coil behind socket 3. A short lead is run straight forward from this wire to the front connecting lug on .5 bypass condenser between sockets 1 and 2.

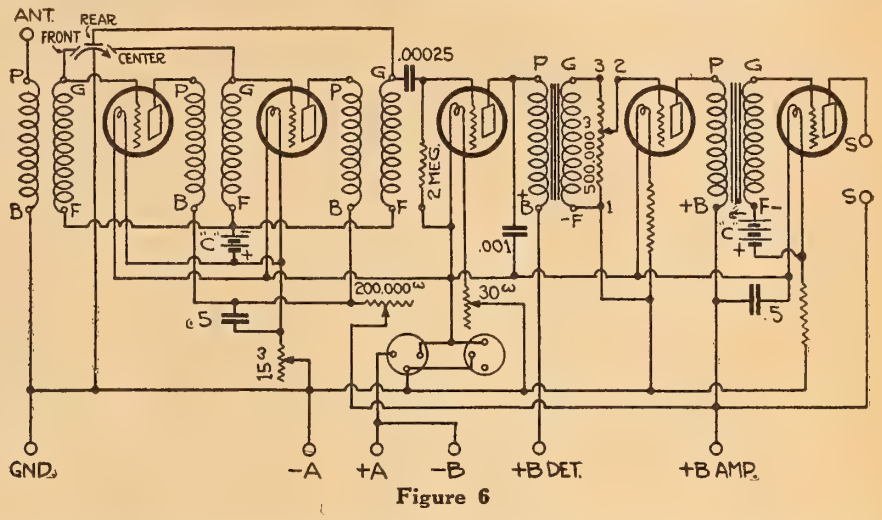


Figure 6

11. The Plate terminal on that same audio transformer is now connected to P post on socket 3. The fixed condenser of .001 mfd. capacity is then connected from the P post on that socket to the F plus post on the same socket (see photograph).

12. Connect G terminal of socket 3 to right end of Daven mounting to its left.

13. Then connect left end of Daven mounting to F plus post on socket 2.

16. Now connect P post on socket 1 with P lug on Bodine coil behind it. Then connect P post socket 2 with P lug on Bodine coil behind socket 3.

17. Considering now the Bodine coil in front left corner of baseboard, connect its B lug to GND binding post on rear strip. This wire will pass to left under coil, then along left edge of baseboard. The P lug

(Continued on page 30)

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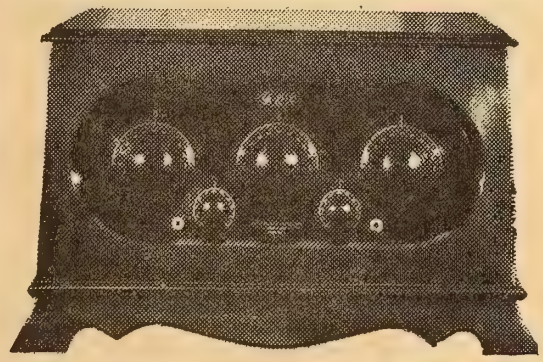

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RAYTHEON ELIMINATOR

(Continued from page 28)

Grounding all cases is a most important part of the construction. You will note by study of the picture diagram that the negative B, or point of lowest potential, is connected to every condenser case, to the choke cases and to the transformer case. In grounding this last named unit, scrape a little of the paint away from around the mounting screw hole in the front right corner so that wire and screw make contact. While the picture diagram and the photographic layout are not identical, the picture diagram had to be made this way to show everything clearly. The front post of the switch is connected to the L or low terminal of transformer primary. If there is a very slight hum or whisper noticeable when not tuned to a station, check over the receiver to see that one terminal of the A battery is grounded.

(In the next issue Mr. Walters will tell how to construct an eliminator of the chemical rectifier type which is even smaller in size than this and uses a liquid that is harmless to hands or clothing.—Editor's Note.)

MAKING THE UNITROLA

(Continued from page 29)

on this coil is connected by another long wire kept about ½ inch above the first, back to the ANT binding post on strip.

18. Now connect the front terminals of the Amperite mountings together. Connect rear terminal on right Amperite to F plus lug on socket 5 and rear terminal on left Amperite to F minus on socket 4.

19. A wire is then put in from POS B post on rear audio transformer to right lug on the .5 mfd. bypass condenser in rear right corner. The left lug on this condenser is then connected to F minus lug on socket 5.

20. The Plate post on this audio transformer is connected to P lug on socket 5. Its G post is connected to G lug on socket 4.

21. Under binding post strip connect minus B with plus A. Connect GND post with minus A post. There are two blank posts for speaker; connect right one with B plus AMP binding post. Drop a wire from POS B post on rear audio transformer almost to baseboard, then back to wire connecting speaker post and P plus AMP post.

22. Connect P lug on socket 4 with the left speaker binding post on strip.

23. Connect G lug on socket 1 with G lug on Bodine coil in front left corner. Connect G post on socket 2 with G lug on Bodine coil behind socket 1.

24. A long wire is then put in connecting the F lug on Bodine coil behind socket 3 with the F lug on Bodine coil behind socket 1, then forward along left edge of baseboard but at height of coils to F lug on Bodine coil in front left corner.

25. The front panel can now be secured to the baseboard. The long flexible lead attached to number 2 terminal of right C-R-L unit goes down through hole behind front audio transformer, straight back and up through hole by G lug on socket 5 to that lug.

26. The flexible wire on terminal 1 of C-R-L unit goes up to NEG FIL post on front audio transformer. The wire from number 3 terminal of C-R-L unit goes to GRID post on front audio transformer. Run a wire up from NEG FIL post on transformer to number 2 post on Pilot Switch.

27. The flexible wire on lower post of right rheostat goes to F minus lug on socket 3. The lead from lower post of left rheostat goes to F plus lug on socket 1.

28. Taking up now the C-R-L unit at left, the long lead goes back, under .5 condenser lugs, between the Amperites, to the POS B post on rear audio transformer. The shorter lead from the C-R-L unit goes back to front connecting lug on .5 mfd. condenser between sockets 1 and 2.

29. From G terminal of socket 2 bend a wire to go forward almost to condenser, then to right and forward so it will pass through hole in rear plate of condenser and go through without touching. Cut off about ½ inch in front of rear plate and connect to it the flexible lead from center stator of multiple condenser. Be sure this joint does not come in contact with any parts of condenser.

30. Connect flexible lead from front stator to G post on Bodine coil in front left corner.

31. The stator of rear condenser has two soldering lugs. Bend up or remove that at left side as it will not be used. From the one at right, put in wire passing about 2 inches to right, then up to level of top of Bodine coils, then back over right end of Daven mounting to G post on Bodine coil behind socket 3.

32. Connect soldering lug at upper left corner of rear end plate on condenser to front end of left Amperite.

33. We now come to the three wires running down from the Pilot Switch and paralleling the slant of the condenser. The first of these runs down and back from number 1 post of Pilot Switch to minus B binding post on rear strip. The number 2 post on switch connects to minus A binding post on strip and, as it passes front terminal of right Amperite, is connected to that terminal. The third wire goes from number 3 post on switch to the wire connecting F minus of socket 1 with F plus of socket 3.

34. Place the two C batteries in position with plus terminal to right in both cases. Connect plus terminal of that at right with F plus terminal of socket 5. Connect minus 4½ of this C battery to NEG FIL of rear audio.

35. Put in a wire from F plus post on socket 1, passing under Bodine coil to rear and up beside left C battery to minus 3 clip on it. Put in a wire from plus clip on this left C battery down to the wire connecting the F terminals of the three Bodine coils.

The finishing touch is to take four small pieces of cigar box wood about 1 inch wide and 2 inches long and cover one surface of each with a piece of felt. Then glue the pieces in the four corners of the baseboard on the underside to lift up baseboard so the screws projecting on underside will not scratch bottom of record compartment of the phonograph as unit is slid in or out.

(This completes the wiring and set is ready for use. In the next issue, Mr. Patterson gives some connecting and operating instructions that will prove most helpful to the beginner, although the experienced Radio set builder can probably proceed with this work himself.—Editor's Note.)

ADVANCE PROGRAMS

(Continued from page 21)

lude; 8, program, Mrs. Henry O. Fulton and associate artists; 10, Scarritt college student program.

WSUI, Iowa City, Ia. (483.6m-620kc), 12:30 p. m., Mrs. Mildred Paddock, mezzo-soprano.

Mountain Time Stations

CFAC, Calgary, Can. (435.8m-688kc), 7-8 p. m., salon broadcast.

KFWA, Ogden, Utah (261m-1150kc), 4-5 p. m., organ recital, Paramount theater; 5-6, Ogden Radio dealers' program; 9-10, musical program, J. G. Read and Brothers company.

KOA, Denver, Colo. (322.4m-930kc), 12:15 p. m., Rialto theater musicale; 3:15, relaxing and corrective exercises; 3:30, matinee for housewives; 4, culinary hints; 4:15, fashion review; 6:30, dinner concert, Brown Palace string orchestra, Howard Tillotson, director; 7:30, Sunday school lesson review; 8, instrumental program; 8:15, chamber of commerce program, instrumental selections, Grand Junction High school band Orpheus sextet; soprano solos, Mary Wilson Grove and Mrs. Audrey Ricks; vocal selections, Katherine Halpin; talk, "A Romance of Gold," Frank Reeds; vocal duet, Lovena Blackwell, soprano; Lila G. Miller, contralto; piano selections; trombone quartet with band accompaniment, Emery Bell, Edmond Daniels, Ormand Newfarmer and Rockwood Cople.

KOB, State College, N. Mex. (348.6m-860kc), 7:30-8:30 p. m., musical program, Margaret Backer.

Pacific Time Stations

KTAB, Oakland, Calif. (240m-1250kc), 9-9:30 a. m., prayer service, Rev. E. L. Spaulding; 12-1 p. m., luncheon concert; 8-10, program, Breuner's.

KFI, Los Angeles, Calif. (468.5m-640kc), 5:30-6 p. m., program, Eugene Biscailuz, under-sheriff; 6, nightly doings; 6:15, KFI's Seeing California; 6:30, vest pocket program; 6:45, Radiotorial period; 7-8, Ionian male quartet; 8-9, Aeolian residence pipe organ, Dan L. McFarland, organist; 9-10, program arranged by William MacDougal, Scotch comedian; Mutual Motors joke contest; 10-11, Screen Artists' string quartet; Lee Bolin, tenor.

KFON, Long Beach, Calif. (233m-1290kc), 6-6:30 p. m., organ, Brayton's theater; 6:30-7, KFON gossip and amusement information; 7-7:30, program, Wright brothers; 7:30-8, Long Beach municipal band; 8-9, Press-Telegram program; 10-11, Long Beach Elks No. 888 frolic.

KFWB, Hollywood, Calif. (252m-1190kc), 7:10 p. m., safety first talk, Officer E. G. Brown; 7:20, Jack Boaz, hunting and fishing scout; 7:30, eye-o-log, Dr. H. S. Marshutz; 7:45, microphone brevities; 8-9, Warner Brothers syncopators, Estelle Shake, blues singer; 9-10, Jean Johnson, pianist; Mrs. Vivian Kidson, soprano; Tom Breneman, baritone; 10-11, Warner Brothers frolic, direction Charlie Wellman.

KGO, Oakland, Calif. (361.2m-830kc), 7:15-7:30 a. m., exercises, Hugh Barrett Dobbs; 7:45, pep class; 8:30, "Daily Strength"; 11:10, Prudence Penny, home-making talks; 11:30-1, Pacific States Electric company luncheon concert; 3-4, Duke Kamoku's Royal Hawaiians; Marcella Elliott, soprano; Irma Barrie Vogt, accompanist; 4-5:30, concert orchestra, Hotel St. Francis, Vinton La Ferrera, conductor; 6-6:55, dinner concert.

KGW, Portland, Ore. (491.5m-610kc), 12:30-1:30 p. m., concert, Oregon Radio Trades association; 6-7, dinner concert; 8-9, concert; 9-10:30, Sherman, Clay and company, Duo-Art studio; 10:30-12, Hoot Owl frolic pany.

KHJ, Los Angeles, Calif. (405.2m-740kc), 6-6:30 p. m., Leighton's Arcade cafeteria orchestra, Jack Cronshaw, leader; 6:30-7:30, history story, Professor Hertzog; Richard Headrick, screen juvenile, and Catherine Cotter; 7:30, "Romance of Santa Fe Trail," Gladys De Witt; 8-10, program, Western Auto Supply company, Duo-Art studio; 10:30-12, Hoot Owl frolic pany.

KLX, Oakland, Calif. (508.2m-590kc), 4-5 p. m., women's hour; 5-5:30, Aunt Elsie's Sunset matinee; 8-9:45, studio program; 9:45-10:30, Athens Athletic club orchestra.

KMTR, Hollywood, Calif. (238m-1260kc), 5-6 p. m., Peter Pan hour with Marion Gilmore and Magdalene Schaffer, Anna Lee and Barbara Erdman; 7, "Color Photography," Charles W. Beam; 7:30, "Wonders of Nature," Prof. Alfred Cookman; 8-10, Turner orchestra, direction Loren Powell; 10-11, Starr Piano company studio.

KNX, Hollywood, Calif. (336.9m-890kc), 5-5:30 p. m., Sunny Jim's story; 5:30, First Presbyterian church organ; 5:55, Town Tattler; 6:15, travel talk, W. F. Alder; 6:30-7, Atwater Kent concert orchestra; 7-8, program, Jell-X-Cell company; 8-9, feature program; 9-10, Order of Optimistic Donuts; 10-11, amateur tryouts; 11-12, Ambassador hotel dance orchestra.

KOAC, Corvallis, Ore. (280.2m-1070kc), 7:20 p. m., musical selections; 7:30, book chat, Mrs. Evangeline Thurber; 7:35, "How to Adjust Automobile Brakes," K. F. Coulson; 7:45, "Trees, Their Use and Selection for Special Purposes," Prof. A. L. Peck; 8-9, musical program.

KPO, San Francisco, Calif. (428.3m-700kc), 12:45 p. m., talk, Commonwealth club luncheon; 1:30-2, Rudy Seiger's Fairmont hotel concert orchestra; 5:30-6, children's entertainment; 6:30-7, Waldemar Lind and States restaurant concert orchestra; 7-7:10, investment talk, J. C. Wilson; 7:10-7:30, Rudy Seiger's Fairmont hotel concert orchestra; 8-9, studio program; 9-10, Palace hotel dance orchestra, Gene James, director; 10-11, Waldemar Lind and States restaurant orchestra.

KWSC, Pullman, Wash. (348.6m-860kc), 7:30-9 p. m., violin sextet, Gladys Anderson, Gladys Fraser, Margaret McLachlan, Evelyn Sparlin, Marjory Field, Olga Kraus; piano solos, Jean Fulmer; vocal solos, Dorothy Hutchinson; "Geology of the Northwest," Dr. H. E. Culver; extension work in 1925, W. W. Underwood; general accounting, H. J. Behn.

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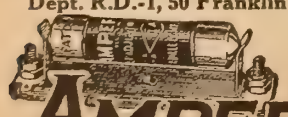
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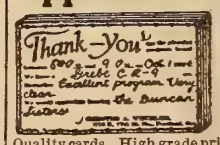

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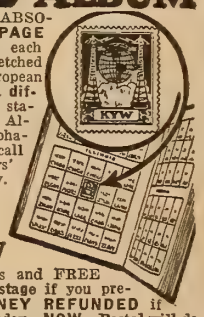

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Wave length	Frequency (kilocycles)	Power (watts)	Call signal	Location
202.6	1,480	500	KFXB	Big Bear Lk., Cal.
		20	WEHS	Evanston, Ill.
		10	WIBS	Elizabeth, N. J.
205.4	1,460	50	KFVD	San Pedro, Cal.
		10	KFXD	Logan, Utah
		50	KFXY	Flagstaff, Ariz.
		10	KFYF	Oxnard, Calif.
		30	WCBR	Pvdce., R.I., ptb.
		100	WFRL	Brooklyn, N. Y.
		150	WIBX	Utica, N. Y.
206.8	1,450	500	KFWM	Oakland, Calf.
		20	WABW	Wooster, Ohio
		50	WJBA	Joliet, Ill.
208.2	1,441	250	KNRC	H'ywood, Calif.
209.7	1,430	100	KDZB	Bakersf'd, Cal.
		5	KFVU	Eureka, Cal.
		100	KFXC	Santa Maria, Cal.
		500	WBNY	New York, N. Y.
		100	WCWS	Providence, R. I.
		5	WIBH	New B'df'd, Mass.
		500	WKBK	New York, N. Y.
		1,000	WSBC	Chicago, Ill.
211.1	1,420	50	KFWC	S. Ber'dino, Cal.
		250	KFWO	Avalon, Calif.
		100	WJBQ	Lewisburg, Pa.
212.6	1,410	5	KFWV	Portland, Ore.
		15	WMAL	Wash'ton, D. C.
		500	WWGL	R'hm'd Hl., N.Y.
214.2	1,400	250	KFWF	St. Louis, Mo.
		15	KFXR	Okla. City, Ok.
		150	WCLS	Joliet, Ill.
		100	WKBB	Joliet, Ill.
215.7	1,390	50	KFQW	N. Bend, Wash.
		50	KFUU	Oakland, Calif.
		10	KFXJ	Colorado (Ptb.)
		50	WBBZ	(Portable)
		50	WHBL	Logansp't, Ind.
		50	WIBJ	(Portable)
		10	WIBM	(Portable)
		100	WKBG	Ch'go, Ill. (Ptb.)
		100	WPRC	Harrisb'g, Pa.
		250	WRST	Bay Shore, N. Y.
217.3	1,380	50	KFAF	San Jose, Calif.
		100	KFQU	Alma, Cal.
		500	WFKB	Chicago, Ill.
		5,000	WOK	Chicago, Ill.
218.8	1,370	10	KFJC	Junct'n Cty., Kan.
		50	KFRW	Olympia, Wash.
		10	KFVH	Manhattan, Kan.
		10	WHBU	Anderson, Ind.
		50	WIBI	Flushing, N. Y.
		250	WJBI	Red Bank, N. J.
		50	WJBP	Buffalo, N. Y.
220	1,360	50	KFUU	Oakland, Cal.
		500	KFWI	S. S'n Frn'co, Cal.
		5	KJBS	San Fran'co, Cal.
		100	WIBW	Logansp't, Ind.
		500	WQAA	Parkesb'g, Pa.
222	1,350	50	WBBW	Norfolk, Va.
		100	WBES	Takoma Pk., Md.
		20	WHBD	Bellef'taine, O.
		100	WHBF	Rock Island, Ill.
		100	WHBH	Culver, Ind.
		100	WIBC	St. Pet'b'g, Fla.
		50	WIBG	Elkins Park, Pa.
		20	WIBU	Poynette, Wis.
224	1,340	100	KFBL	Everette, Wash.
		10	KFQP	Iowa City, Ia.
		100	KFUR	Ogden, Utah
		50	KFVS	C'pe Gir'd'u, Mo.
		10	WBBR	Monmouth, Ill.
		10	WJBG	Charlotte, N. C.
		50	WKAY	Laconia, N. H.
		250	WODA	Paterson, N. J.
		100	WRAF	Laporte, Ind.
226	1,330	10	KFGQ	Boone, Iowa
		10	KFIU	Juneau, Alaska
		10	KFKZ	Kirksville, Mo.
		50	KFOB	Burlingame, Cal.
		20	KFOR	David City, Neb.
		250	KFQZ	Hollyw'd, Calif.
		50	WAGM	Ro'l O'k, Mich.
		1,500	WBBM	Chicago, Ill.
		150	WDAD	Nashville, Tenn.
		100	WEBL	U. S. (Portable)
		100	WEBM	U. S. (Portable)
		10	WEBQ	Harrisburg, Ill.
		20	WFBE	Seymour, Ind.
		1,000	WIBO	Chicago, Ill.
227	1,320	100	KFQD	Anchor'ge, Alas.
		50	KFVN	Welcome, Minn.
		10	KFXM	Beaumont, Tex.
		100	WDBK	Cleveland, Ohio
		500	WOWO	Ft. Wayne, Ind.
229	1,310	200	KFLV	Rockford, Ill.
		500	KMMJ	Clay C'r, Nebr.
		50	KPPC	Pasadena, Calif.
		10	WAIT	Taunton, Mass.
		100	WBBL	Richmond, Va.
		50	WCBM	Baltimore, Md.
		50	WDBJ	Roanoke, Va.
		10	WGBR	Marshf'd, Wis.
		250	WSAJ	Grove City, Pa.
		100	WSAN	Allentown, Pa.
231	1,300	5	KDLR	Devils Lk., N. D.
		50	KFAN	Moscow, Idaho
		10	KFDZ	Min'polis, Minn.
		50	KFOT	Wichita, Kans.
		500	KFPR	Los Angeles, Cal.
		500	KQP	Portland, Ore.
		500	KQW	San Jose, Calif.
		500	KUT	Austin, Tex.
		100	WBRE	W'kes-Ba'e, Pa.
		50	WCLO	Camp Lake, Wis.
		20	WHBG	Harrisburg, Pa.
		10	WHBK	Ellsworth, Me.
		10	WIBZ	Montgom'y, Ala.
		100	WKBE	Webster, Mass.
		50	WTAX	Streator, Ill.
233	1,290	10	KFEY	Kellogg, Idaho
		500	KFON	Long Beach, Cal.
		10	WDBZ	Kingston, N. Y.
		20	WHBM	Ch'go, Ill. (ptb.)
		50	WHBQ	Memphis, Tenn.
		100	WJBD	Ashland, Wis.
		10	WJBK	Ypsilanti, Mich.
		50	WOKO	New York, N. Y.
234	1,280	50	KFUP	Denver, Colo.
		50	KFUS	Oakland, Calif.
		50	KGTT	San Fr'isco, Cal.
		50	KMJ	Fresno, Calif.
		10	WEBE	Cambridge, O.
		5	WFBD	Philad'phia, Pa.
		100	WFDF	Flint, Mich.
		100	WGBM	Providence, R. I.
		10	WHBJ	Ft. Wayne, Ind.
		100	WJBC	LaSalle, Ill.
236	1,270	10	KFLU	San Benito, Tex.
		250	KFOO	Salt Lk. Cy., Utah
		10	KFVG	In'pendence, Kan.
		100	KWKC	Kansas Cy., Mo.
		100	WBOQ	R'dm'd H., N. Y.
		500	WFBI	Camden, N. J.
		50	WFBJ	Collegev'e, Minn.
		100	WGBF	Evansville, Ind.
		100	WGMU	R'hm'd, H., N.Y.
		100	W'BA	Madison, Wis.
		100	WRMU	R'hm'd H., N. Y.
		50	WTAD	Carthage, Ill.
238	1,260	15	KFBS	Trinidad, Colo.
		100	KFCB	Phoenix, Ariz.
		100	KFWU	Pineville, La.
		10	KFYJ	Houston, Tex.
		500	KMTR	Hollywood, Cal.
		200	WBBP	Petoskey, Mich.
		500	WCUW	Worc'ter, Mass.
		2,500	WHT	Chicago, Ill.
		10	WHBN	St.Pet'sb'g, Fla.
		10	WRAW	Reading, Pa.
240	1,250	10	KFHL	Oskaloosa, Ia.
		10	KFLX	Galveston, Texas
		10	KFRL	Grd. Forks, N. D.
		500	KFVE	Un'sity City, Mo.
		10	KFVI	Houston, Texas
		1,000	KTAB	Oakland, Calif.
		100	WABI	Bangor, Me.
		50	WCAT	Rapid City, S. D.
		500	WDBO	Winter Pk., Fla.
		10	WGBI	Scranton, Pa.
		500	WHAP	Brooklyn, N. Y.
		500	WOAX	Trenton, N. J.
		20	WSMH	Owosso, Mich.
242	1,240	50	KFFP	Moberly, Mo.
		10	KFOJ	Moberly, Mo.
		10	KFPM	Greenville, Tex.
		50	KFXH	El Paso, Texas
		500	KSO	Clarinda, Iowa
		100	KZM	Oakland, Calif.
		50	WABY	Philadephia, Pa.
		50	WCBH	Oxford, Miss.
		100	WCBQ	Nashville, Tenn.
		100	WEBC	Superior, Wis.
		1,000	WEBK	Gr'd R'ds, Mich.
		100	WHBW	Phila'phia, Pa.
		50	WTAP	Cambridge, Ill.
		500	WWAE	Plainfield, Ill.
244	1,230	100	KFBC	San Diego, Cal.
		50	KFVR	Denver, Colo.
		500	KUOM	Missoula, Mont.
		1,000	WAMD	Mi'apolis, Minn.
		50	WEBR	Buffalo, N. Y.
		100	WGBB	Freeport, N. Y.
		100	WNAX	Yankton, S. D.
		100	WRAM	Galesburg, Ill.
		50	WSAZ	Pomeroy, Ohio
246	1,220	50	KDYL	Salt Lk. Cy., Utah
		10	KFJI	Astoria, Ore.
		50	KFJY	Ft. Dodge, Ia.
		500	KFVW	San Diego, Cal.
		5	KGY	Lacey, Wash.
		500	WABX	Mt. Cle'ns, Mich.
		5,000	WBAL	Baltimore, Md.
		15	WEBD	Anderson, Ind.
		50	WIBR	Wejrton, W. Va.
		50	WQAE	Springfield, Vt.
		500	WRR	Dallas, Tex.
		500	WSOE	Milwaukee, Wis.
248	1,210	100	KFBK	Sacramento, Cal.
		10	KFCC	Helena, Mont.
		50	KFEC	Portland, Ore.
		100	KFIF	Portland, Ore.
		10	KFJB	Marshallt'n, Ia.
		100	KFOX	Omaha, Nebr.
		250	KFRB	Beeville, Tex.
		10	KFSY	Helena, Mont.
		10	KFUZ	Virginia, Minn.
		10	KFYR	Bismarck, N. D.
		50	KWG	Stockton, Calif.
		500	WAPI	Auburn, Ala.
		50	WBRC	Birm'gham, Ala.
		100	WCSO	Sp'gfield, Mo.
		100	WEW	St. Louis, Mo.
		10	WGAL	Lancaster, Pa.
		5	WGBK	Johnstown, Pa.
		1,000	WIOD	Miami, Fla.
		100	WMAY	St. Louis, Mo.
		100	WNBH	Ma'pois't, Mass.
250	1,200	100	KFDX	Shreveport, La.
		10	KFVY	Albuq'que, N. M.
		1,200	KFXF	Colo. Sp'gs, Colo.
		250	KLS	Oakland, Calif.
		100	KMO	Tacoma, Wash.
		250	KUO	San Fr'isco, Cal.
		50	WFBC	Knoxville, Tenn.
		500	WGES	Oak Park, Ill.
		10	WHBA	Oil City, Pa.
		100	WIAD	Philadelphia, Pa.
		100	WLAL	Tulsa, Okla.
		500	WMBB	Chicago, Ill.
		100	WNAB	Boston, Mass.
		100	WNAT	Philadelphia, Pa.
		100	WQAN	Scranton, Pa.
		250	WWAD	Phila'phia, Pa.
252	1,190	50	KFHA	Gunnison, Colo.
		50	KFOY	St. Paul, Minn.
		15	KFPL	Dublin, Texas
		10	KFUV	Sp'gfield, Mo.
		500	KFWB	Hollyw'd, Calif.
		500	KMA	Shenandoah, Ia.
		200	KOCW	Chickasha, Okla.
		50	WBBS	New Orleans, La.
		100	WCAX	Burlington, Vt.
		100	WFBL	Syracuse, N. Y.
		100	WGBX	Orono, Maine
		500	WGCP	New York, N.Y.
		500	WNJ	Newark, N. J.
		100	WRCO	Raleigh, N. C.
		50	WRHM	Min'polis, Minn.
		100	WSRO	Hamilton, Ohio
		10	WTAL	Toledo, Ohio
254	1,180	50	KFEL	Denver, Colo.
		50	KFJZ	Ft. Worth, Tex.
		100	KFLR	Albuq'que, N. M.
		100	KFWH	Chico, Calif.
		20	WABC	Asheville, N. C.
		500	WCAJ	Uni. Place, Nebr.
		15	WCBA	Allentown, Pa.
		500	WEAI	Ithaca, N. Y.
		100	WFBR	Baltimore, Md.
		10	WFBZ	Galesburg, Ill.
		10	WHBC	Canton, Ohio
		100	WIAS	Burlington, Ia.
		50	WJAK	Greentown, Ind.
		10	WJBB	St P't'rsb'g, Fla.
		500	WNAD	Norman, Okla.
		10	WREC	Coldwater, Miss.
		100	WSAR	Fall River, Mass.
		100	WTAQ	Osseo, Wis.
256	1,170	100	KFIQ	Yakima, Wash.
		150	KRE	Berkeley, Calif.
		500	KOWW	W'la W'la, Wsh.
		500	KTNT	Muscatine, Ia.
		100	WBAX	Wilkes-Ba'e, Pa.
		500	WBDC	Gd. Rpds., Mich.
		500	WCSH	Portland, Me.
		100	WDCH	Hanover, N. H.
		500	WDOD	Chat'nooga, Tenn.
		100	WHBP	Johnstown, Pa.
		10	WJBN	Sycamore, Ill.
		100	WMBC	Detroit, Mich.
		100	WRAK	Escanaba, Mich.
		1,000	WRVA	Richmond, Va.
258	1,160	20	KFPW	Carterville, Mo.
		50	KFUL	Galveston, Tex.
		250	KOCH	Omaha, Neb.
		150	KRE	Berkeley, Calif.
		25	WAAD	Cincinnati, Ohio
		500	WADC	Akron, Ohio
		50	WDBC	Lancaster, Pa.
		100	WHEC	Rochester, N. Y.
		100	WLTS	Chicago, Ill.
		50	WNAL,	Omaha, Nebr.
		500	WPCC	Chicago, Ill.
		500	WRNY	New York, N. Y.
261	1,150	100	KFAJ	Boulder, Colo.
		500	KFJF	Okla. C., Okla.
		100	KFMR	Sioux City, Ia.
		100	KFUT,	S.L.City, Utah
		500	KFWA	Ogden, Utah
		500	KWKH	Shreveport, La.
		750	WABQ	Haverford, Pa.
		50	WDAY	Fargo, N. D.
		250	WEAM	N. Pl'nf'd, N. J.
		500	WKAF	Milwaukee, Wis.
		500	WMAZ	Macon, Ga.
		500	WPSC	State College, Pa.
		100	WSKC	Bay City, Mich.
		100	WSSH	Boston, Mass.
		50	WTAR	Norfolk, Va.
		15	WTAZ	Lambertv'e, N. J.
263	1,140	50	KFJR	Portland, Ore.
		50	KFMW	Hought'n, Mich.
		500	KFNF	Shenandoah, Ia.
		1,000	KFQB	Ft. Worth, Tex.
		50	KTBR	Portland, Ore.
		500	WAAM	Newark, N. J.
		50	WABR	Toledo, Ohio
		500	WCAD	Canton, N. Y.
		500	WCAR	San Antonio, Tex.
		5	WCBE	New Orleans, La.
		100	WDAG	Amarillo, Tex.
		5	WEBZ	Savannah, Ga.
		500	WHAT	Min'polis, Minn.
		500	WIBV	Henderson, N.C.
		100	WQAM	Miami, Fla.
		100	WRAV	Yellow Spgs, O.
		250	WSDA	New York, N. Y.
		250	WWAO	Houghton, Mich.
266	1,130	50	KFFP	Moberly, Mo.
		100	KFPY	Spokane, Wash.
		500	KFWD	Arkadelphia, Ark
		250	KLZ	Denver, Colo.
		500	WBCN	Chicago, Ill.
		1,000	WENR	Chicago, Ill.
		500	WGHB	Clearwater, Fla.
		100	WHAV	Wilm'gton, Del.
		500	WMAK	Lockport, N. Y.
		10	WTAB	Fall River, Mass.
		500	WWI	Dearborn, Mich.
268	1,120	500	KFEQ	Oak, Neb.
		500	KFH	Wichita, Kans.
		50	KFRC	SanFran'co, Cal.
		10	WBBY	Charleston, S. C.
		50	WDAH	El Paso, Tex.
		100	WDRC	New Haven, Conn.
		500	WEBW	Beloit, Wis.
		250	WFBM	Ind'napolis, Ind.
		100	WJAM	Cedar Rp'ds, Ia.
		500	WNOX	Knoxville, Tenn.
		100	WQAM	Miami, Fla.
		500	WRAX	Gloucester, N.J.
		100	WSAX	Chicago, Ill.
		100	WTAC	Johnstown, Pa.
		500	WTAG	Worcester, Mass.
270	1,110	500	KFBU	Laramie, Wyo.
		500	KGU	Honolulu, Hawaii
		100	WBAO	Decatur, Ill.
		500	WBAR	Sisiht, Wis.
		100	WDBE	Atlanta, Ga.
		500	WEAN	Providence, R.I.
		1,500	WGHP	Detroit, Mich.
		500	WGST	Atlanta, Ga.
		200	WJAG	Norfolk, Neb.
		500	WJBL	Decatur, Ill.
		500	WOI	Ames, Iowa
		10	WOWL	New Orleans, La.
		200	WRK	Hamilton, Ohio
		250	WTAW	College Sta., Tex.
273	1,100	100	KFAD	Phoenix, Ariz.
		50	KFDY	Brookings, S.D.
		100	KFIZ	Fond du Lac, Wis.
		50	KFKA	Greeley, Colo.
		100	KFLZ	Anita, Iowa
		1,000	KHQ,	Spokane, Wash.
		100	KZKZ	Manilla, P. I.
		100	WAAB	New Orleans La.
		250	WBAA	W.Laf'ette, Ind.
		500	WBBR	New York, N.Y.
		250	WDAE	Tampa, Fla.
		100	WEBJ	New York, N.Y.
		10	WFAM	St. Cloud, Minn.
		500	WFBH	New York, N. Y.
		250	WHK	Cleveland, Ohio
		250	WIL	St. Louis, Mo.
		500	WRM	Urbana, Ill.
		500	WRW	Tarrytown, N. Y.
		250	WSBF	St. Louis, Mo.
275	1,090	50	KFBB	Havre, Mont.
		500	KFKU	Lawrence, Kans.
		500	KFSG	Los Angeles, Cal.
		500	KQV;	Pittsburgh, Pa.
		50	WABZ	New Orleans, La.
		500	WAFD	Port Huron, Mich.
		500	WBAK	Harrisburgh, Pa.
		500	WCAC	Storrs, Conn.
		100	WCAO	Baltimore, Md.
		100	WEAU	Sioux City, Ia.
		500	WFAV	Lincoln, Neb.
		500	WHAD	Milwaukee, Wis.
		500	WHAR	Atlan. City, N. J.
		500	WJAS	Pittsburgh, Pa.
		100	WKY	Oklahoma, Okla.
		20	WLAP	Louisville, Ky.
		100	WMAC	Cazenovia, N. Y.
		15	WOCL	Jamestown, N. Y.
		5,000	WORD	Batavia, Ill.
		100	WPAK	Arig. Col., N.D.
		250	WSBT	South Bend, Ind.
		500	WSMK	Dayton, Ohio.
		100	WWL	New Orleans, La.
278	1,080	50	KFDD	Boise, Idaho
		100	KFJM	Gd. Forks, N.D.
		500	KOIL	C'ncil Bluffs, Ia.
		200	KUSD	Vermilion, S. D.
		500	KWCR	Cd. Rpds., Iowa
		500	KWWG	Brownsvle., Tex.
		200	WAAF	Chicago, Ill.
		100	WABO	Rochester, N. Y.
		500	WCAU	Philadelphia, Pa.
		100	WDZ	Tuscola, Ill.
		100	WFBG	Altoona, Pa.
		10	WGBC	Memphis, Tenn.
		500	WGBU	Flfd. By-Sea, Fl.
		100	WHAM	Rochester, N. Y.
		500	WHDI	Minneap., Minn
		500	WLBL	Stevens Pt., Wis.
		50	WMAN	Columbus, O.
		1,000	WOQ	Kansas City, Mo.
		500	WRBC	Valparaiso, Ind.
280.2	1,070	1,500	KFQA	St. Louis, Mo.
		1,500	KMOX	St. Louis, Mo.
		500	KOAC	Corvallis, Ore.
		500	WNAC	Boston, Mass.
282.8	1,060	1,500	KFQA	St. Louis, Mo.
		750	KFAU	Boise, Idaho
		500	WOAN	Lawrcebg., Tenn.
		1,000	WSM	Nashville, Tenn.
285.5	1,050	1,500	WEMC	Ber. Spgs., Mich.
		1,000	WKAR	E.Lansing, Mich.
		500	WREO	Lansing, Mich.
288.3	1,040	5,000	KFKX	Hastings, Neb.
		1,500	WLWL	New York, N.Y.
293.9	1,020	750	KTBI	Los Angeles, Cal.
		500	WAIU	Columbus, O.
		500	WEAO	Columbus, O.
296.9	1,010	750	KPRC	Houston, Tex.
299.8	1,000	750	KFMQ	Fayettv'le, Ark.
		1,000	KSL	Salt Lk. City, Utah
		500	WPG	Atlan. City, N. J.
302.8	990	1,000	WGN	Chicago, Ill.
		2,500	WLIB,	Elgin, Ill.
305.9	980	1,000	KTCL	Seattle, Wash.
		500	WJAR	Providence, R. I.
309.1	970	1,000	KDKA	Pittsburgh, Pa.
315.6	950	500	KFDM	Beaumont, Tex.
		1,000	KPSN	Pasadena, Cal.
		500	WAHG	Rhmd. Hill, N.Y.
		500	WGBS	New York, N.Y.
319	940	750	WGR	Buffalo, N. Y.
		500	WSMB	New Orleans, La.
322.4	930	5,000	KOA	Denver, Colo.
		1,500	WJAZ	Chicago, Ill.
325.9	920	5,000	WSAI	Cincinnati, O.
		1,000	WKRC	Cincinnati, O.
333.1	900	2,000	WBZ	Springfield, Mass.
336.9	890	500	KFMX	Northfd., Minn.
		500	KNX	Los Angeles, Cal.
		500	WCAL	Northfd., Minn.
		500	WJAX	Jacksonv'e, Fla.
340.7	880	1,000	KFAB	Lincoln, Nebr.
		500	KSAC	Manhattan, Kan.
		500	WKAQ	San Juan, P. R.
		500	WMCA	New York, N. Y.
344.6	870	5,000	WCBD	Zion, Ill.
		5,000	WLS	Chicago, Ill.
348.6	860	1,000	KOB	State Col., N. M.
		500	KWSC	Pullman, Wash.
		500	WEEI	Boston, Mass.
352.7	850	500	WJAD	Waco, Tex.
		1,000	WWJ	Detroit, Mich.
360	833	500	KZUY	Baguio, P. I.
		100	WQAO	New York, N. Y.
361.2	830	3,000	KGO	Oakland, Cal.
		500	WHN	New York, N. Y.
365.6	820	1,000	WDAF	Kan. City, Mo.
		500	WHB	Kansas City, Mo.
370.2	810	1,500	WEBH	Chicago, Ill.
		1,000	WJJD	Mooseheart, Ill.
374.8	800	750	KTHS	Hot Spgs., Ark.
		500	KVOO	Bristow, Okla.
		500	KZRQ	Manila, P. I.
379.5	790	5,000	WGY	Schnectady, N.Y.
		1,000	WHAZ	Troy, N. Y.
384.4	780	1,000	KJR	Seattle, Wash.
		500	WAAW	Omaha, Nebr.
		500	WMBF	Miami Bch., Fla.
389.4	770	1,000	WEAR	Cleveland, O.
		1,500	WTAM	Cleveland, O.
394.5	760	500	WFI	Philadelphia, Pa.
		500	WLIT	Philadelphia, Pa.
		2,000	WOAI	San Antonio, Tex.
399.8	750	500	WHAS	Louisville, Ky.
		3,500	WHT	Chicago, Ill.
405.2	740	500	KHJ	Los Angeles, Cal.
		1,000	WJY	New York, N. Y.
		500	WOR	Newark, N. J.
416.4	720	5,000	WCCO	Minn.-St. P.
422.3	710	1,000	WKRC	Cincinnati, O.
		5,000	WLW	Cincinnati, O.
428.3	700	1,000	KPO	San Fran., Cal.
		1,000	WSB	Atlanta, Ga.
434.5	690	750	AT9	Fort Bragg, N. C.
		1,000	NAA	Radio, Va.
440.9	680	1,000	KLDS	Independ., Mo.
		500	WDWF	Providence, R.I.
		1,000	WMAF	Drtmth., Mass.
		500	WOS	Jefferson Cy., Mo.
447.5	670	1,000	WMAQ,	Chicago, Ill.
		500	WQJ	Chicago, Ill.
454.3	660	1,000	KFOA	Seattle, Wash.
		1,000	KTW	Seattle, Wish.
		1,000	WJZ	New York, N. Y.
461.3	650	500	WCAE	Pittsburgh, Pa.
468.5	640	5,000	KFI	Los Angeles, Cal.
		500	WCAP	Washington, D. C.
		500	WRC	Washington, D. C.
475.9	630	1,500	WBAP	Ft. Worth, Tex.
		500	WFAA	Dallas, Tex.
		500	WTIC	Hartford, Conn.
483.6	620	5,000	WOC	Davenport, Iowa
		500	WSUI	Iowa City, Ia.
491.5	610	500	KGW	Portland, Ore.
		5,000	WEAF	New York, N.Y.
499.7	600	500	KFRU	Columbia, Mo.
		500	WMC	Memphis, Tenn.
508.2	590	500	KLX	Oakland, Cal.
		500	WIP	Philadelphia, Pa.
		500	WOO	Philadelphia, Pa.
516.9	580	5,000	WCX	Detroit, Mich.
		5,000	WJR	Pontiac, Mich.
526	570	5,000	WHO	Des Moines, Ia.
		1,000	WNYC	New York, N. Y.
		1,000	WOAW	Omaha, Nebr.
535.4	560	3,500	KYW	Chicago, Ill.
		750	WHA	Madison, Wis.
545.1	550	500	KFUO	St. Louis, Mo.
		500	KSD	St. Louis, Mo.

Canadian Stations by Wave Lengths

Wave length	Frequency (kilocycles)	Power (watts)	Call signal	Location
247.8	1,210	75	CFKC	Thorold, Ont.
267.7	1,120	29	CFMC	Kingston, Ont.
		500	CFRC	Kingston, Ont.
		20	CFYC	New Wstmtr., B.C.
291.1	1,030	20	CFXC	New Wstmtr., B.C.
		500	CJYC	Toronto, Ont.
		500	CNRA	Moncton, Can.
		500	CNRV	Vancouver, B. C.
312.3	960	50	CFCY	Charlotn., P. E. I.
329.5	910	500	CFCT	Victoria, B. C.
		500	CFQC	Saskatoon, Sask.
		200	CHUC	Saskatoon, Sask.
		500	CJGC	London, Ont.
		250	CJWC	Saskatoon, Sask.
		5,000	CKCW	Brktn. Jct., Ont.
		500	CNRS	Saskatoon, Sask.
340.7	880	10	CHCS	Hamilton, Ont.
		50	CKOC	Hamilton, Ont.
356.9	840	500	CFCA	Toronto, Ont.
		500	CHIC	Toronto, Ont.
		500	CHNC	Toronto, Ont.
		250	CHSC	Unity, Sask.
			CJBC	Toronto, Ont.
		50	CJCD	Toronto, Ont.
		500	CJSC	Toronto, Ont.
		500	CKCL	Toronto, Ont.
		500	CKNC	Toronto, Ont.
		500	CNRT	Toronto, Ont.
384.4	780	500	CKY	Winnipeg, Man.
		500	CNRW	Winnipeg, Man.
410.7	730	1,650	CFCF	Montreal, Que.
		10	CFCQ	Vancouver, B. C.
		850	CHYC	Montreal, Que.
		500	CJKC	Burnaby, B. C.
		1,200	CKAC	Montreal, Que.
		750	CKCD	Vancouver, B. C.
		50	CKFC	Vancouver, B. C.
		1,000	CNRM	Montreal, Que.
434.5	690	500	CFAC	Calgary, Alta.
		1,800	CFCN	Calgary, Alta.
		750	CHCM	Calgary, Alta.
		250	CHXC	Ottawa, Ont.
		100	CKCO	Ottawa, Ont.
		750	CNRC	Calgary, Alta.
		500	CNRO	Ottawa, Ont.
476	640	1,000	CKCK	Regina, Sask.
		1,000	CNRR	Regina, Sask.
483.6	620	500	CFCU	Hamilton, Ont.
499.7	600	250	CFCH	Iroquois, Ont.
516.9	580	100	CFCK	Edmonton, Alta.
		500	CJCA	Edmonton, Alta.
		500	CNRE	Edmonton, Alta.

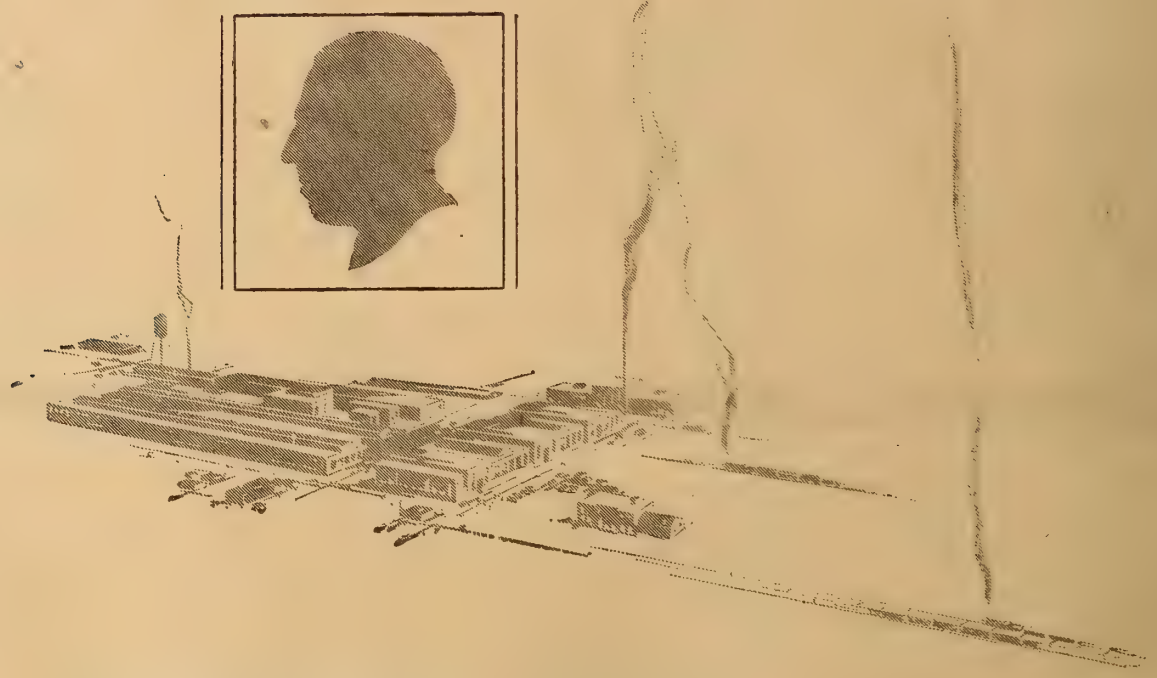
Cuban Stations by Wave Lengths

Wave length	Frequency (kilocycles)	Power (watts)	Call signal	Location
200	1,500	20	5AZ	Mantanazs
		10	6HS	Santa Clara
		20	6YR	Camaguey
210	1,430	10	2RM	Havana
225	1,333	10	6DW	Santa Clara
		10	7AZ	Camaguey
		15	8FU	Santiago
		20	8JQ	Santiago
230	1,304	20	2TW	Havana
235	1,277	10	2AB	Havana
		10	2LR	Havana
		20	7BY	Camaguey
240	1,250	20	8AZ	Santiago
250	1,200	50	Q2LC	Havana
		10	6GR	Santa Clara
		10	6JQ	Santa Clara
		100	8BY	Santiago
255	1,176	15	2BB	Havana
260	1,153	200	6BY	Santa Clara
265	1,132	10	2UF	Havana
270	1,110	20	2JP	Havana
275	1,090	5	1AZ	Havana
		5	2JL	Havana
280	1,070	20	2MG	Havana
295	1,016	100	2HP	Havana
300	1,000	100	2OL	Havana
310	967	100	2RK	Havana
315	952	100	2BY	Havana
320	937	10	2CX	Havana
338	890	4,000	6KW	Twinucu
350	857	10	2CG	Havana
		500	7SR	Elia
355	845	400	2EP	Havana
360	833	100	2OK	Havana
		10	5EV	Colon
400	750	500	PWX	Havana

Mexican Stations by Wave Lengths

Wave length	Frequency (kilocycles)	Power (watts)	Call signal	Location
260	1,153		CYF	Oaxaca, Mex.
265	1,130		CYA	Mexico City, Mex.
310	967		CYS	Mexico City, Mex.
			CZF	Chih'u City, Mex.
325	923		CYH	Mexico City, Mex.
333	900		CYX	Mexico City, Mex.
350	857		CZE	Mexico City, Mex.
380	790		CYB	Mexico City, Mex.
400	750		CYZ	Mexico City, Mex.
480	625		CYL	Mexico City, Mex.

POWEL CROSLEY JR.



INDUSTRIALIST
Pioneer Radio Builder

At a time when products of his manufacturing genius were already known to millions, Powel Crosley, Jr., boldly diverted his energies to the development of radio reception, then scarcely known beyond the laboratory walls.

Pioneering both in engineering trends and manufacturing practices, Mr. Crosley has been a vital factor in making radio and broadcasting as much a part of American life as motion pictures and the motor car.

There is scarcely a milestone in the development of popular radio on which his shadow has not been the first to fall. And his announcement of December 26th concerned a milestone that dwarfed all others in its importance—*four entirely new radio receiving sets:*

The Crosley 4-29 (4-tube)	$29.00
The Crosley 5-38 (5-tube)	38.00
The Crosley R.F.L.-60 (5-tube)	60.00
The Crosley R.F.L.-75 (5-tube)	75.00

These are now being demonstrated by Crosley dealers and will be completely described in a forthcoming issue.

MAR-1'26
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"Bloopers" Spoil International Tests

Radio Digest

EVERY WEEK — Illustrated PROGRAMS — TEN CENTS

REG. U. S. PAT. OFF. & DOM. OF CANADA

Vol. XVI

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FEBRUARY 6, 1926 — No. 5

Wendell Hall Tells of European Trip; Billy B. Van Beams Joy; Schedule of Sports; Florida Sunshine Reaches Alaska; Molliformer Chemical B Eliminator; Women's Programs

SUB-COMMITTEE NOW MOOTING RADIO BILL

HOUSE WANTS ACTION ON MEASURE EXPEDIATED

Majority of Witnesses Endorse Proposed Bill at Hearings—Senate Delays on Dill Measure

WASHINGTON.—Hearings have been concluded by the committee on merchant marine and fisheries of the house of representatives on the White Radio bill, designed to secure legislative control of the Radio industry, and the measure has been referred to a subcommittee with instructions to expediate its action and report the measure back at the earliest possible date. Representative White of Maine, framer of the bill, is chairman of the subcommittee. It is believed that the full committee realizes the necessity and soundness of the White bill and will report it to the house at no distant date.

Majority Favor Bill

In the majority of instances, the witnesses brought before the committee have endorsed the bill and it is considered quite possible the committee will accept the testimony of Radio experts in regard to the bill and will present it to the house with but few recommendations for major changes.

David Sarnoff, manager of the Radio corporation, told the committee that his organization feels that Radio needs proper legislation, and the White bill is satisfactory to it. He expressed himself as certain the bill would benefit both the industry and the listener.

Master Radio Bill

Charles H. Stewart, representing the American Radio Relay league, and Herman Levinsky of Station WNJ, Newark, N. J., both held the White bill as a masterpiece among proposed Radio measures.

Judge Stephen Davis, solicitor of the department of commerce, expressed the opinion that the small station would be afforded more protection under the proposed bill than they now have, stating that a commission of technical men with a general knowledge of the whole Radio situation should be appointed.

Endorsed by Fessenden

Sherman L. Whipple appeared before the committee on behalf of Prof. R. A. Fessenden, who has a damage suit for $60,000,000 against the Radio corporation. Mr. Whipple told the committee that he endorses the White bill and that he considers it well adapted to regulate Radio.

Boyd B. Jones, also a representative of Prof Fessenden, suggested that a commission or the secretary of commerce should say whether a corporation is a monopoly or not, if there is any doubt, before issuing a license.

Senate Bill Lags

Senator Watson of Indiana, chairman of the senate committee on interstate commerce, is of the opinion that it will probably be several weeks before his committee will continue the hearings on the Dill and Howell Radio bills, which also provide for legislative control of the industry.

Station Changes

Florida announces a new 1,000-watt station at Miami, Fla. The station is owned by Charles G. Fisher, Inc., and will operate on 247.8 meters or 1,210 kilocycles.

Two stations announce changes in call letters. WAAM, Newark, N. J., a pioneer station, will now be known by the call, WBPI. WEBK, Grand Rapids, Mich., has the call, WOOD.

Since the fourth national Radio conference there has been a big increase in applications for increased power among stations. The policy of the department in dealing with these applications is to grant an increase of power when it would be beneficial to the public and not result in interference. In large cities where there are a number of stations of high power already in operation, the power increase is not likely to receive favorable consideration unless experiments definitely prove that interference would not result.

License Evaders Fined

LONDON.—The first batch of summonses under the new Radio Telegraphy act were heard in court here recently. Counsel for the postmaster-general declared each of the defendants had installed crystal sets and worked them without a license.

One evader's defense was that although he had installed the set he was unable to make it function, but he intended to get a license when he got results. The judge decided not to confiscate his set, but fined him $2.50.

GEORGE KUHNS DIES; BUILT STATION WHO

DES MOINES, Iowa.—George Kuhns, known nationally as the president of the Bankers Life Insurance company of this city, owners of Station WHO, passed away here recently after a brief illness.

Mr. Kuhns, whose counsel in Radio matters will be sorely missed, was father of the Corn Sugar movement and was the starter of the campaign to better conditions for the farmer.

As a mark of respect for the deceased, WOC, at Davenport, the B. J. Palmer station, observed a one-minute silence period on the day of Mr. Kuhn's death. The Davenport announcer, in his remarks, paid a high tribute to the WHO founder.

Mr. Kuhns was one of the world's greatest fishermen and had a wonderfully complete exhibit of fish and sea creatures on display in one of the Des Moines hotels.

Station Dedicates One Hour Every Week for Its Artists

NEW YORK.—Station WBPI, Warner's theater here, has recently inaugurated a form of Radio presentation as a means of honoring artists who appear before its microphone. An hour's program each week is dedicated to various prominent artists for their own use. The hour is known under the name of the artist, who assembles his or her own talent for the special program.

The first to be honored was Joseph Turin, tenor. His hour was Friday night, January 15.

MARIE PREVOST IS OUR COVER BEAUTY

THAT the beach costume is not alone responsible for the charm of a bathing beauty is manifest by the face enshrouded in ostrich feathers on the Radio Digest cover this week. The face belongs to Miss Marie Prevost who graduated from the role of a bathing beauty to a cinema star with the Warner Brothers studio in Hollywood. Her voice frequenty is heard over Radio Station KFWB.

KYW's Hawaiian Swede Is Back with New Repertoire

CHICAGO.—Cy Berg, the "Hawaiian Swede" and president of the I. O. O. S. Y. S. L. I. is back at KYW, to exploit a lot of new things to the Radio fans, who tune in the Congress carnivals at midnight each Saturday.

For those who are not acquainted with the long string of symbols above mentioned, it all means "International Order of Sky Yumpers, Snuse Chewers and Lutefisk Inhalers."

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Looking Ahead

Whose Voice Was First to Cross the Atlantic Ocean? Harold Robinson, New Jersey Boy Scout, presents evidence that indicates his amateur phone transmission was heard in Scotland at a date previous to the time accepted by Radio authorities as official. Hints are made that recognized tests were unfair. Details and evidence is the next issue of Radio Digest.

Henry Ford's Old Fashion Dance Orchestra has aroused a national interest in the fiddlers who were in the height of their glory forty or fifty years ago. A score of challengers have questioned the championship of Mellie Dunham of Maine. A survey of old-time fiddlers as they are today in coming Radio Digest.

Did You Ever Tune in Station WKAQ? A corking DX thrill is promised to those who have not yet logged this station of the Antilles—San Juan, Porto Rico. Mr. Agusty, WKAQ announcer, has written an interesting story to appear in one of the early releases of Radio Digest. There'll be pictures, too, of course.

Globe Trotting with Vincent H. Percy, organist at WEAR, Cleveland, has been one of the favorite pastimes with his listeners. Mr. Percy organized a world series which he called a "Trip Around the World" by organ music, which consisted of native classics from the various countries around the well-known earth. Other details of interest about this Ohio station in a near issue of Radio Digest.

The Most Unusual Thompson Minuet Receiver is scheduled to appear soon in the Operating and Trouble Shooting series. This neutrodyne looks nothing like the ordinary receiver, and has a built-in loud speaker of the cone type.

A Power Supply Using the UX-213 Tube will be presented in the next issue as the third of the series being described by Mr. George Walters. These tubes can be obtained anywhere and now a transformer is available which lights the filament and supplies high voltage, both windings being center tapped.

M. Gurney's Series for Beginners Arrives, with his next installment, at a discussion of the grid leak and the grid condenser, their functions and how to get the most out of them. Unless you understand their purpose thoroughly you cannot expect to adjust them for maximum efficiency.

Newsstands Don't Always Have One Left

WHEN YOU WANT

Radio Digest

YOU WANT IT!

BE SURE OF YOUR WEEKLY COPY BY SUBSCRIBING NOW

SEND IN THE BLANK TODAY

Publisher Radio Digest,
510 N. Dearborn St.,
Chicago, Illinois.

Please find enclosed check M. O. for Five Dollars (Six, Foreign) for One Year's Subscription to Radio Digest, Illustrated.

Name .....

Address .....

City..... State.....

NEWS BRIEFS FROM THE BROADCASTERS

"HILL BILLIES" COME BACK TO WRC, WASHINGTON

Arctic Talk at WJAZ—Boston Tech. Dramatic Club at WTIC—Helen MacKellar at WOR

A return engagement of the "Hill Billies," whose program of hill country music was broadcast by Stations WRC and WJZ early in January, is being arranged for the middle of February. Included in the ranks of the "Hill Billies" are Charlie Bowman, champion fiddler of East Tennessee; Elvis Alderman, widely-known fiddler; John Rector, North Carolina banjoist, and the Hopkins Brothers, Al, John, Joe and Elmer, who hail from the Blue Ridge mountains of Virginia.

* * *

When Commander Donald B. MacMillan gave an Arctic talk at WJAZ, Chicago, recently, he told the story of Admiral Peary's discovery of the North Pole. Many people who have questioned Peary's discovery of the Pole, were convinced by this talk that he was successful.

* *

Popular songs from "Too Many Brothers," the new show being presented by the members of the Dramatic club of the Massachusetts Institute of Technology, were broadcast by members of the company from WTIC, Hartford, last Monday.

* *

At eight o'clock Helen MacKellar, star of "Open House," now playing in New York city, was talking before the microphone of WOR to millions of Radio fans. At 8:30 p. m., she was ready for the curtain to rise at the theater. Miss MacKellar was compelled to rush from studio to stage. Gilbert Miller and E. Ray Goetz, two leading Broadway theatrical managers, were listening in at the Ritz hotel, London, for her talk.

* *

The American Lady quartet, recently returned from an Alaskan tour, is the new feature at WBBM, Chicago. Every Friday between the hours of 8 and 10 p. m. Central time the quartet will sing.

* *

Three popular dance orchestras, Broadmoor Rhythm Rustler, Harmony Peerless orchestra, and Scheuerman's Colorado orchestra, are vieing for popularity at KOA, Denver. Everything from symphonic jazz to blues and rapid-fire syncopation is played by these three orchestras.

* *

"Stung" is the name of the comedy to be broadcast by the KGO players, Thursday night, February 11, at 8 p. m. Mountain time. The piece was written for the stage by Lydia Le Baron Walker, and adapted to Radio by Wilda Wilson Church, director of audio players.

* *

The Yale band, familiar to football fans, will take part in the anniversary program which is being broadcast by WTIC on February 10. All the songs of old Eli and many other college tunes will be heard by Radio fans on that evening.

* *

In the search for new music at WRC, Washington, D. C., the director of the U. S. Marine band orchestra discovered a new concerto for the violin composed by Robert Cary Stearns, a well-known Washington musician. The violinist will be William F. Santelmann, son of the marine band orchestra leader. This concert of the U. S. Marine band symphony orchestra will also be broadcast by WJZ, WGY.

* *

Frederick D. Weaver, one of the foremost organists in the East, has been appointed staff organist of WBAL, Baltimore. He will give bi-weekly recitals from the new James Wilson Leakin organ which has recently been added to the broadcasting attractions of this station.

* *

Clarence Dickinson, director of the Friday noon programs at WJZ, New York, will present each week an unusual sequence of music of the nations which first colonized America—England, Belgium, Holland, France and Spain. One country will be featured each Friday. Noted soloists have been secured to participate in these programs.

* *

Beasley Smith and his orchestra will give a special frolic of popular dance tunes every Tuesday night from 10 to 12 o'clock, Central time, for WSM, Nashville, Tenn. WSM has added this frolic to the regular schedule. Heretofore the station has been silent on Tuesday night. Lovers of the Charleston will have their wishes for the dance gratified at that time.

* *

The Apollo club with fifty-four years of public appearances behind it has arranged a series of programs to be given by members of the club at WLS, Chicago.

WAR AGAINST "BLOOPING" BEGINS

CLAIMS SUCCESS IN STATIC ELIMINATION

PROF. DANA DEMOREST IS INVENTOR OF DEVICE

Ohio State University Scientist Has Applied for Patent—Large Manufacturer Reported Interested

By M. M. Carothers

COLUMBUS, Ohio.—Another promise has been made to solve the greatest problem of the Radio listener in. What may turn out to be a real static eliminator is claimed to have been invented by Prof. Dana Demorest of the department of metallurgy, Ohio State university here. If Professor Demorest's claims are true, and his device is simple enough for attachment to all receiving sets in use today, one of Radio's greatest stumbling blocks, atmospheric electrical disturbances, have been conquered.

Prof. D. Demorest

Professor Demorest has had the device in the national patent office for more than a year and since the word of his invention has spread, Radio manufacturers throughout the country have become interested. No public demonstrations have been made, pending the issue of a patent, but negotiations are now being made to exhibit the ability of the device to one large manufacturer.

No Outside Current

"The eliminator operates solely on impulses coming in over the antenna, requiring no outside current," Demorest said. "We do know that it greatly cuts down the static in reception and makes it far sweeter and clearer. We also believe it very practical since it can be made cheaply and attached to any set. Static is not grounded, as may be the popular belief. It merely is intercepted and carried into discard before the interference can reach the head phones or loud speaker. The principle is the same as that of a farmer's threshing machine, which separates the chaff from the grain. In Radio, clear reception is the grain and my invention is the machine that bears off the chaff."

Inventor Static Expert

Although Professor Demorest has worked with collaboration of others, whose names he would not state, he has been experimenting with static elimination since Radio was introduced. He has a very high standing locally, and comes from a family of scientists. He has done original and successful research work along other lines, and although he admits his extensive knowledge of metals and minerals helped him in making the discovery, rare or unusual metals are not employed.

Your correspondent has investigated the device but has not witnessed a demonstration.

The first "static eliminator or drain" was perfected at the army headquarters in Pershing road three years ago by Major General Squier and Major Mauboygne. So far as is known the device has not been commercially perfected.

SPORT SCHEDULE

Basketball

Saturday, February 6

WSUI (483.6m-620kc) Minnesota-Iowa, 7:30 p. m., Central time.

KOAC (280.2m-1070kc) Orgeon Agricultural college-University of Idaho, 7:15 p. m., Pacific time.

KFMQ (299.8m-1000kc) University of Arkansas-University of Texas, 7:30 p. m., Central time.

Tuesday, February 9

WOI (270m-1110kc) Grinnell-Ames, 9:30 p. m., Central time.

KFKU (275m-1090kc) University of Kansas-Drake University, 7:30 p. m., Central time.

Thursday, February 11

KFKU (275m-1090kc) University of Kansas-Oklahoma A. & M. college, 7:30 p. m., Central time.

Hockey

Tuesday, February 9

WBZ (333.1m-900kc) Boston Bruins-New York, 8 p. m., Eastern time.

STRIKING OF CLOCK HINDERS RECEPTION

NEW YORK.—The next prohibitory amendment will probably be directed against striking clocks. WEAF recently received a letter from a New Hampshire listener which requested with considerable fervor that programs start at some other time than on the hour, because the striking of the clock interfered with the announcer's introductory remarks ushering in a new program.

HUSBAND AND WIFE BEHIND WKAF

Robert F. Hall and his wife, Anita DeWitt Hall are the two motive forces behind WKAF, the Kesselman-O'Driscoll-Hotel Antlers station at Milwaukee. He announces and directs. She is hostess and accompanist. The two are very pleasing and both have good theatrical background.

Newcastle Celebrates Birthday

LONDON.—The third anniversary of the opening of the Newcastle station of the British Broadcasting company (5NO) has just been celebrated by the opening, by the Lord Mayor, in the presence of Lord Gainford, chairman on the B. B. C., of the station's new premises, formerly a hospital. The transmitter, to which they are connected by the post-office land line, will remain in the old site. Some months ago 2LO moved its aerial but maintained its premises in the same location.

RADIO DIGEST ASKS PLEDGES TO HELP PREVENT RADIATION

Broadcasters and Public Asked to Cooperate and End Unnecessary Noises Which Contributed to Failure of International Week Tests

Warfare against bloopers is declared! With the terrific demonstration of blooping fresh in the minds of all listeners who attempted to receive foreign stations during the International Radio Week tests just concluded, the campaign against radiating receivers thus announced by the Radio Digest should meet with instant success.

The method to be used by Radio Digest in its war to clear the ether for decent broadcast reception will depend chiefly upon pledge cards issued to listeners and filled in by them. It is the duty of every Radio listener to pledge himself, first of all, to operate his receiver to reduce radiation or blooping to a minimum. If his set will not operate without blooping, it is his duty to pledge himself to so arrange it so it will not bloop, or as an alternative, replace the receiver with one that will not broadcast squeals and howls into the already crowded ether.

Situation Now Intolerable

The silence periods of International Radio Week afforded an ample opportunity for listeners to recognize the situation as one that needs immediate correction. Everywhere reports were heard that radiating receivers spoiled the foreign tests.

If a listener turned his dials anywhere near the settings at which the overseas stations were supposed to be heard, an ear-splitting series of whistles, screeches and howls greeted his ears. Foreign reception was almost hopeless for anyone not living in the country or in a sparsely populated area.

American, Canadian and Mexican broadcasters were off the air. A few cases of these stations not observing the silence period were reported, but these were accidental for the most part. On the whole the air was clear—for reception of foreign stations and bloopers.

The result was that radiating receivers of every kind and description filled the air. In the larger cities practically no foreign reception was to be had. Poorly operated receivers were largely responsible. Regenerative sets were not alone to blame. Regenerative sets are easy to make bloop, but other sets are likewise offenders when not handled properly by the owner.

Stations to Aid Warfare

It is the earnest desire of Radio Digest to secure as many pledges as possible from its readers and all other Radio listeners. These pledges will be distributed by broadcasting stations and published in Radio Digest. The principal broadcasting stations of the country are being enlisted in the campaign to clear the air of radiation.

It is believed that entirely too often interfering "carrier waves of neighboring stations" are simply oscillating receivers of neighboring listeners. The broadcasters are blamed, regardless of the underlying cause for the interference.

Progress Is Chief Hope

If every listener earnestly pledges whole-hearted cooperation in the Radio Digest war to clear the ether of radiation

(Continued on page 30)

Fessenden Charges Not Clear, Say Defendants

Corporations Assert Damages Are Not Outlined in Suit Action

NEW YORK.—Defendants in the $60,000,000 suit for damages filed by Reginald Fessenden, Newton inventor of Radio appliances, asserted in demurrers filed in the federal court here recently that neither the way in which Mr. Fessenden had been damaged nor to what extent had not been made clear in his action.

The inventor charged eight corporations with infringement of patent rights, mostly on Radio devices. The defendants filing demurrers included the Radio Corporation of America, the American Telephone and Telegraph company, Western Electric company, United Fruit company, Wireless Safety Apparatus company, Westinghouse Manufacturing company, and the International Radio and Telegraph company.

PLEDGE CARD Radio Digest Illustrated PROGRAMS I WON'T BLOOP CLUB

I pledge myself to operate my Radio set to reduce radiation or blooping. If I am unable to make my present set operate properly, I further pledge myself to replace it with a receiver that will create less interference.

Make of my set:

Number of tubes is:

Signature .....

Address .....

City and State.....

I am cooperating in this campaign with Station.....

Wendell Hall Reflects on 2LO

CANTERBURY Boy Whistling in the Rain Gives Red-Headed Music Maker Greatest Thrill on European Trip. American Singer Breaks Through British Barriers. "Aint Gonna Rain," Called "Bad English" by Irritated Letter Writer

WENDELL HALL, the Red-Headed Music Maker, dropped in the office the other day before continuing his itinerary westward to fill a series of bookings in some of our best known broadcasting stations beyond the Mississippi.

It was the first time he had been in since his return from Europe. He stood in the doorway for a moment, his blue eyes sparkling with that peculiar Scotch twinkle that somehow finds its way into the songs he sings to Radio listeners. A long coonskin coat hung regally from his broad shoulders. I inquired as to his ramblings amidst the heather and whether he had uncovered any moss-grown tombstones with Hall marks that he could claim.

"Yeh," he said dropping into an armchair and draping one of his spindling legs over the other. "Yep, and I met Johnny Walker, himself. He was not of my clan but I got a thrill from him."

"Was that your greatest thrill, abroad?"

"No, the greatest thrill happened in a little English town, the old town of Canterbury. It was just a skinny, little kid in the rain—"

A SUDDEN earnestness came over the face of the Red-Headed Music Maker as he leaned forward. He had forgotten Scotland with the recollection of his greatest thrill and was back in England waiting for the slow unwinding of British red tape before he could do his stuff at the famous 2LO, London. He had neglected the little detail of registering at the English consul's office in New York with the declaration that he was going to London to broadcast. This he related in preface to the story he told of his greatest thrill.

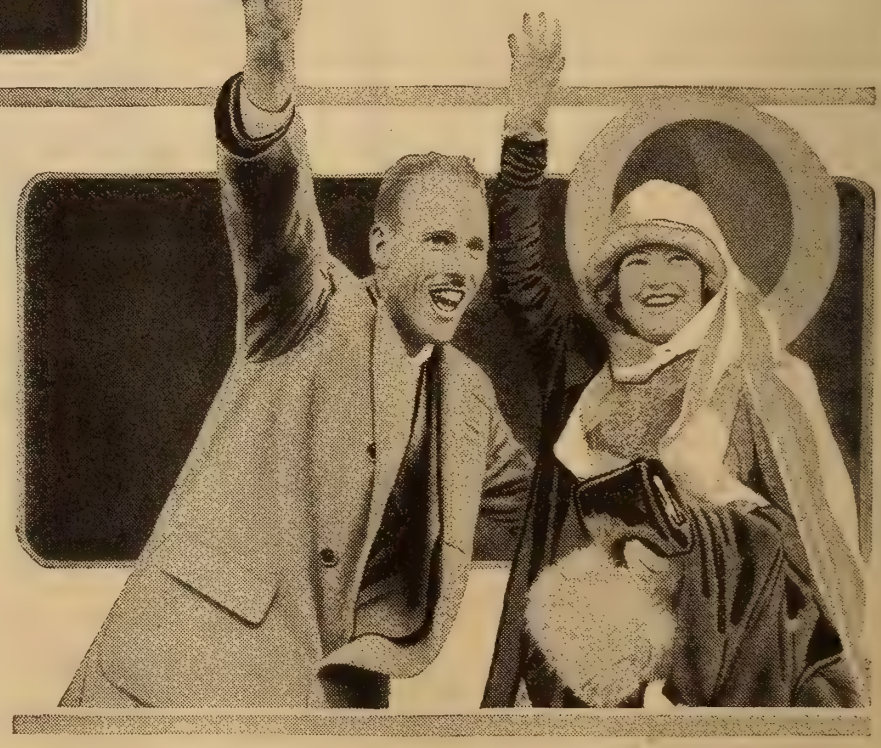
"So Marion and I started out for short junkets about the old town while waiting for Captain Eckersley to find a way of hurdling that troublesome oversight," (Marion, it may be explained, is the bride of the famous singer). "We were in historic Canterbury. The rain was pouring a deluge. I was sloshing down a by-street when I met a boy, a weazened little fellow, sauntering along under the fragment of a wind-torn umbrella. He seemed utterly unmindful of the weather. His soggy clothes clung to his body but he whistled a tune. The tune that he whistled was 'It Aint Gonna Rain No Mo'.'

"You know that meant more to me than all the applause of the London crowds and the fan letters and the cheers of the blase Frenchmen. Here was a poor little fellow in a back street of the old town of Canterbury whistling a tune that I had written far away across the Atlantic, in the heart of America. It had swept on the tides of the air all this way and was coming back to me in this wee corner of the world on the lips of this rain-soaked little boy. I tell you, that sure did give me a kick I'll never forget."

Wendell Hall wrote "It Aint Gonna Rain No Mo'" four years ago and first sang it over KYW, Chicago, where he began as a staff artist at $25 a week. Over a million copies of that song have been sold and it is still going strong. Mr. Hall can well afford "million dollar" coonskin coats for he has also produced other songs that have been almost as successful.

Upper picture shows Wendell Hall, serenading his bride aboard ship as they sailed for Europe on their honeymoon. Mr. Hall is playing his famous tar-epatch ukulele. Below the Bridal pair are shown waving farewell to friends ashore.

At left Mr. Hall is playing into the Marconi microphone in famous 2LO station, London England.



"BUT how did you get around that obstinate British rule?" I asked.

"Obstinate is right," answered the Red-Headed Music Maker with a wry smile. "It's like going through stone walls, utterly unlike anything in America. We registered at the Savoy and after we had our things straightened out and had written a few post cards for folks back home I thought I would stroll around to the British Broadcasting company and see Captain P. P. Eckersley with whom I had corresponded before leaving the states.

"It was all understood by Captain Eckersley, with whom I had corres-organization, that I was to come and sing from 2LO. I never imagined there would be anything to it than just to walk in and say 'Hello.' But they don't do things that way in England.

"First I had to give my name and pedigree to a doorman who had the dignity and bearing of a man in command of an army. He regarded me with cold skepticism and finally condescended to take my card, memoranda, miscellaneous information and other matters pertaining to my family history to his superior. After a half hour I was taken to see this important individual to whom I verified all that I had told the doorman and he condescendingly decided to lay the matter before one of the secretaries of the 'on high.' Then I took another degree and finally reached the secretary of Captain Eckersley who seemed to understand things much better and in a few minutes more I was ushered into the inner sanctum of Captain Eckersley who greeted me cordially.

"HE HAD a good laugh when I related my experiences in getting to his office. 'You should have called up from your hotel first,' he said. And he was right. But he soon fixed things nice for me by writing an order on the back of his card. Afterward I found this card a magic sesame to every door connected with the British Broadcasting company throughout the entire system.

"Then we took up the proposition of my not signing up before leaving the states. It seems this is a very rigid rule. Captain Eckersley, one of the most powerful authorities on broadcasting in Great Britain, went to see everybody that could possibly have any influence to make an exception in my behalf. But nobody would take the responsibility of breaking the rule.

"At last he found a way. It was quite formal and involved fine technical decisions, I suppose. The inside of it is as much of a mystery as ever, so far as I know. Anyway I discovered that I had been enrolled as an employe of the British government and one of the functions of my office was to be present in the 2LO studio and while there I was to test the reactions of the British public to Negro folk songs from the American Southland.

"Broadcasting is a tremendously serious performance over there. No matter how experienced you are before the microphone you have to rehearse before the directors before you are finally passed upon and dated for a performance. I entered the rehearsal room and while there saw a troop of chorus girls in theatrical costumes rehearsing their songs before going on the air.

"I TOOK my turn at the rehearsal and apparently gave satisfaction as I was promptly booked for a feature for the following week. In the meantime I was asked to go up to Daventry and try out locally from that station.

"The rain song seemed to be especially popular over there so I sang that. It brought a quick reply and apparently there were a great many persons who had never heard it before. One man wrote a very indignant letter in 100 per cent pure English. He was terribly shocked that I had managed to get before a microphone at all as he supposed that the dialect in the song 'It Ain't Gonna Rain No Mo'' was my best understanding of the English language. He said it was the most terrible crime against the mother tongue he had ever heard.

"That gave me a hint what to do when I got to London again. I prepared a brief announcement of my own in which I explained what the dialect of the song was and after that the letters were very gratifying and there were many thousands of them during the three weeks which I appeared on the Wednesday program of the 2LO chain."

The English are more prone to write than are the Americans, Mr. Hall explained. The letters are characteristic for their analysis and comment in regard to details. He said his letter responses ranked third in the record of the London station.

Mrs. Hall, formerly was Marion Martin of the Chicago Tribune. Her father was a very well-known editor before his death some years ago. The honeymoon trip of the Hall's across the Atlantic was the occasion of considerable newspaper notice. Mrs. Hall now arranges Wendell's business engagements.

Billy B. Van Beams Sunshine

OLD SOL Gets Plenty of Puff From This Humorous Philosopher and There's a Reason. It Saved His Life When He Was In a Tight Pinch.

By JACK FORREST

GOD'S GREATEST gift to the human race is sunshine! If you don't believe it, tune in some night to Station WHN, New York, and listen to Billy B. Van. His name may not be familiar, but the name that he is given by thousands of people may perhaps identify him. He is called "The Sunshine Man." As the apostle of good cheer he has established a growing doctrine of faith that has become almost a religion to thousands who have followed his precepts.

"Good evening, ladies and gentlemen,' is his opening greeting. "Lovely weather we're having. Regardless of the nature of the weather we get, it is good weather. When it is stormy and rainy, the umbrella and raincoat manufacturers are happy. Look at the world—everything is for the best.

"People want to know where I came from and why I believe in sunshine. I came from a little town called Newport, N. H., where the sun shines on both sides of the street at the same time. It's a little town of about 6,000 inhabitants, and everybody is happy. There is no poor district, for everybody works.

"We have four banks in the town and everyone owns their own home. There are no labor troubles. It is the biggest little town in the world."

GOING back a little, an insight into the trials that beset Billy B. Van in his earlier days may give you an insight into why he is so cheerful today.

Some years ago, the doctors told him that he would have to make a trip to Arizona and die there, as he had weak lungs. Having about twenty-four dollars to his name, he decided that if he was going to die, he wouldn't starve to death. A thing that he would do if he went to Arizona. He made a trip into New England and came to the little town of Newport, N. H. After a few years sleeping outdoors among the fragrant odor of the pine trees, he recovered his health, and opened a dairy.

"For years," he said, "I supplied the town with milk. And I contend to this day that the cow is the foster-mother of the world. When I see the crowds on Broadway pushing, rushing and scrambling, they remind me of a can of worms I carry when I go fishing. Each one pushing and shoving, yet none of them getting anywhere.

"Then I think of a contented cow, peacefully chewing it's cud who is responsible for those crowds. For without milk, 75 per cent of them would not be there. That is why I say a cow is the foster-mother to the world. With more people coming into the world all the time, it is necessary to produce more milk. But how?

"IN ORDER to produce more finished products through machines or human energy, the machine must be well oiled and the humans must be contented and happy.

"To give more milk, a cow is likable to a human being. It must be contented and happy. That is why I have a sign up in my barn in New Hampshire reading: 'Speak to a cow as you would to a lady.' In order that cows can be contented and happy, I have invented a system whereby the cow receives a slight electrical treatment, the same as is applied to a human being. It is so slight that the cow doesn't notice it, but it soothes its nerves and makes her contented—thus making her give more milk.

"The sunshine that God has given us is a reflection of his goodness. It makes things grow; the flowers beautiful. Without sunshine, the trees and flowers would die; we could have no grain; no growth from which we get food, and in fact, our entire existence.

"It is up to us to reflect what sunshine comes to us and give it to others. That's why I am known as the 'Sunshine Man.' I have asked numerous people to contribute towards helping spread sunshine, and I have received 100 per cent cooperation.

"THERE are 110,000,000 people in this country. If you talk to them right, they are 110,000,000 good fellows. Daily I receive hundreds of letters all calling me the 'Sunshine Man.' They tell me I bring happiness and sunshine into their homes and lives. If what they say is right—and I believe them—I would rather be who I am, than who the Kaiser thought he was.

"My one great wish before I leave this earth is to be able to open a broadcasting station in the mountains of New Hampshire. I would call it the 'Sunshine Station' and its only object would be to spread sunshine and happiness to everybody."

Billy B. Van is on the air every Tuesday and Thursday at 6:40 p. m., Eastern Standard time, from Station WHN. Tune in and you will readily see why they call him the "Sunshine Man."

When "Gay Paree" hit Broadway, Billy B. Van gleamed forth as the leading comedian. This afforded him the opportunity to present his sunshine talks in New York as he had previously done in Boston.

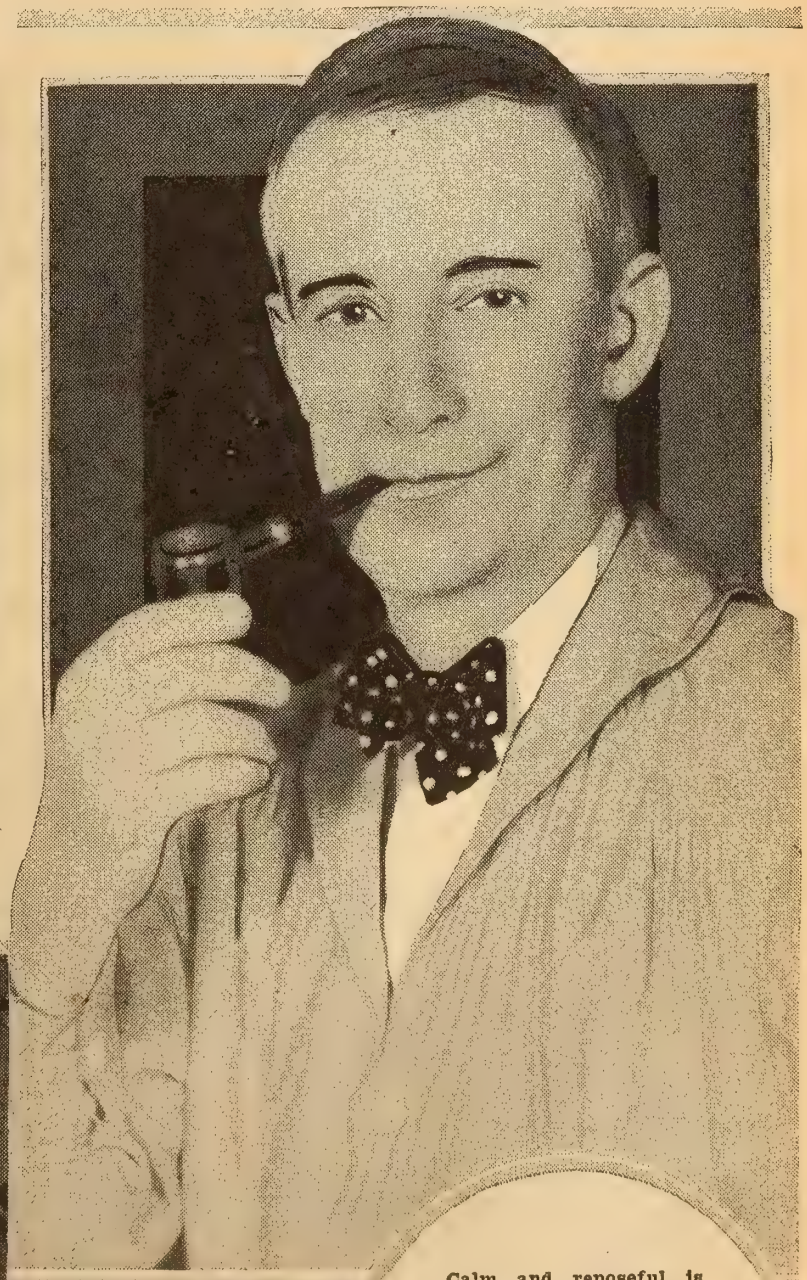
"And in Boston he was just wonderful," said Miss Jean Sargent, announcer at WNAC when Billy appeared there at that time. "He aroused tremendous enthusiasm, appealing first to the children and then to the older folks with his limerick contest.

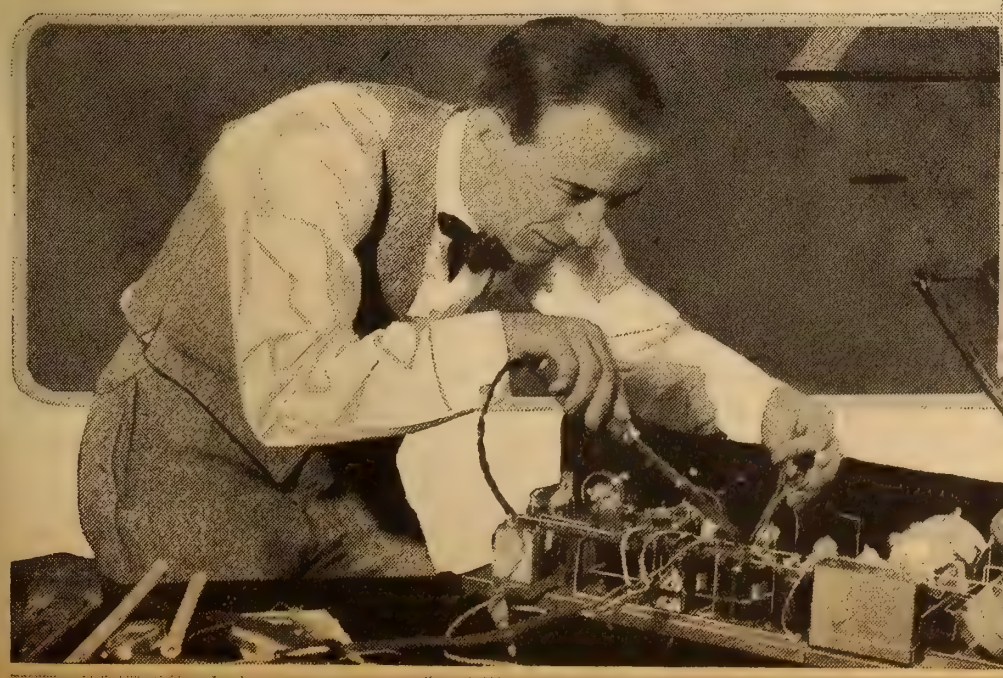
"I should say he received 50,000 letters during his series of talks at our station. These letters included answers to the contest and messages of appreciation for what he had to say.

"All that he did was so innocent and wholesome and you could see that he was really sincere in his great idea of sunshine. It was more than just a pose. He actually lived it."

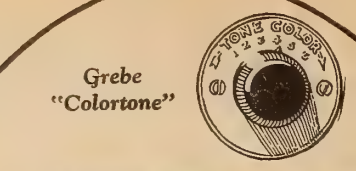
Tools and a workbench, where he assembles Radio sets, afford him recreation. The sets are given to hospitals and orphan asylums.

Virtue may be its own reward, but there are other compensations when real goodness is genuine and altruistic. Billy may have had a lean pocketbook when he started out to regain health through a more intimate acquaintance with Old Sol, but it isn't lean now. He cast his bread on the waters and it came back to him in carloads. The more he gave away the more it seemed to come back and today he is ranked as one of the wealthiest in the actor's profession.

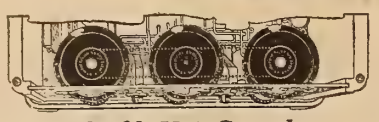




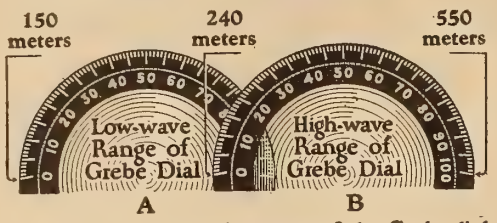
Calm and reposeful is this typical expression of Billy B. Van (above), the Sunshine Man, as he appears before the microphone in New York. Billy's favorite text is the Golden Rule, and he practices what he preaches by building Radio receiving sets (left) which he afterward presents to the invalids in hospitals. He is an adept workman.



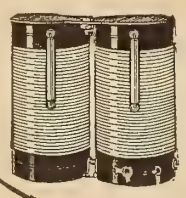
Grebe "Colortone"



Flexible Unit Control



The high-wave reception range of the Grebe dial (B)—from 550 down to 240 meters—equals the practical tuning range of the usual receiver. The low-wave range of the Grebe dial (A) provides additional reception down to 150 meters.



Grebe Binocular Coils Reg. U. S. Pat. Off. *and Low-wave Extension Circuits*

Always Well in Advance

THE Synchrophase, as usual, is fully a year in advance of other receivers. This is due to those Grebe developments which have contributed so much to the improvement of radio reception. As past experience will show, these advances may be adopted, perhaps next year, on sets of other manufacturers.

So, in buying a Synchrophase *now*, you are assured of a receiver well in advance of others, and a quality of reception which they will take some time in equaling, if ever.

A demonstration by your dealer will convince you.

A. H. Grebe & Co., Inc., 109 West 57th St., N. Y.

Factory: Richmond Hill, N. Y.

Western Branch: 443 So. San Pedro St., Los Angeles, Cal.

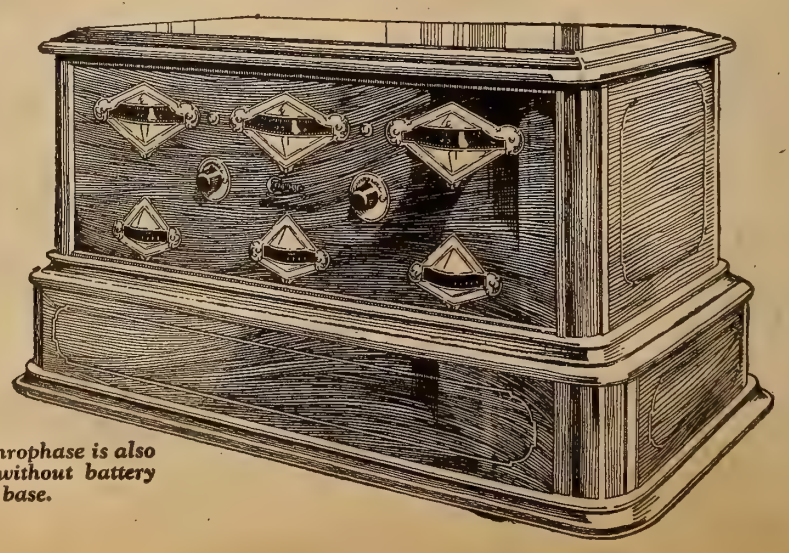
This company owns and operates stations WAHG and WBOQ: also low-wave rebroadcasting stations, mobile WGMU and marine WRMU.

It is written:
"It is foolish to try to graft a bamboo shoot on a cherry tree." The adding of Grebe developments to other receivers does not put Synchrophase quality into them. Only Grebe can do that.

Doctor Thy

The GREBE SYNCHROPHASE

TRADE MARK REG. U.S. PAT. OFF.



The Synchrophase is also supplied without battery base.

GREBE RADIO
TRADE MARK REG. U. S. Pat. Off.

All Grebe apparatus is covered by patents granted and pending.

Florida *to* Bering Sea *via* WGHB

TISON Follows His "Baby" to Clearwater and Puts It Over with a Wow, Pleases G. H. Bowles and Brings Alaskan's Praise

FIGURE it out in miles and it's a long hop from Clearwater, Florida, to the Bering sea. Yes, yes indeed, it's SOME step from the land of alligators and humming birds to the habitat of the polar bear and the walrus! But to a little 266 meter Radio wave, traveling at the rate of 186,000 miles a second, it is nothing—almost less than nothing.

On a fisherman's island off the icy coast of Alaska, in the Bering sea, is the home of Dr. George H. Lescher. And when winter comes on St. Paul island 'tis a very dreary place. Evening divertisements consist of melting holes through the frost on the tiny window panes to see whether the drifts are over the roof. Sometimes the doctor must burrow a tunnel through the snow to call on his nearest neighbor. The nights are long. You blow out the light in the morning and before the chimney is cold you must light it again. Social amusements are impossible. Only the slinky polar bear and the water creatures ramble about. Home fires grow monotonous. At least they WERE that way until, until—

BUT this story has little to do with St. Paul island. It pertains particularly to the new Radio station, WGHB, located on the Fenway hotel, Clearwater, Florida. They brought it down from Atlanta last November and set it up here among the palms and orange trees.

Mr. George W. Bowles is the sole owner and proprietor of Radio Station WGHB and—you guessed it, of course—he's a real estater (speaking broadly, although the letter head calls it "Developments"). Florida real estate dealers think nothing of buying and installing a mere Radio broadcasting station. In the course of a motor jaunt over the shell roads that traverse the world's greatest subdivision from the oldest city to the keyes, Mr. Bowles ran across the new Biltmore where workmen were erecting the towers of a Radio station.

He pulled up beside the road and gazed at the proceedings earnestly. Brushing through a row of young palmettos, he approached the engineer in charge and announced himself. Clearwater never had a Radio station. Where might one be obtained?

"Well, I don't know," said the engineer, looking up from a torn blueprint that he held in his gloved hands. "They are going to put in a thousand watter at WSB, the Atlanta Journal, and you might buy the 500 watt transmitter they are taking out—"

The young palmettos swished in the trail of Mr. Bowles, making fast return tracks to his speedster. It took but a few minutes for him to reach the nearest telegraph station and a wire burned a brief, compelling inquiry into the office of the Atlanta Journal a few moments later.

MR. W. WALTER TISON, engineer at WSB, felt no thrill as he watched the slow dismantling of his "'baby" to make room for the "big boy" in the Atlanta station. He had played with that little 500 watter until he knew its every whim, every resource and he had faith in it that transcended any new born expectations for the device that jumped to a thousand watts. He had been with the "baby" for four years, lived with it and loved it. Now it was OUT, and shoved aside!

In the midst of his gloomy reflections, he was summoned to a conference over a hot wire just received from Clearwater, Florida. Would he go down and see this man, Bowles? He was on the next train.

"Do you think that 500 watts will get anywhere?" asked Mr. Bowles, doubtfully.

"Say, don't worry," smiled Mr. Tison, with a confident nod of his head. "We'll have it up in time to invite Santa Claus down from the North Pole to help celebrate Christmas at the Fenway hotel."

FREIGHT jams, embargoes, tie-ups, "preferred cargoes" and all the traffic rules melted away before the powerful influence of Mr. Bowles, and, true to his promise, Mr. Tison had his station ready for the first formal announcement the night of December 5. It had been assigned to call letters "WGHB," which was quite gratifying to Mr. G. H. Bowles.

Miss Caroline Lee, known to WSB listeners as the "Virginia Girl," had come down for the occasion of the opening and signed up to remain as a staff artist to play her Spanish guitar and the big grand piano, in the spacious new studio on the Fenway hotel. She could sit on the veranda and watch the pelicans flopping awkwardly their lazy way along the gulf coast line—and that helped to make it inviting. Mr. Tison had arranged for the Radio Ramblers orchestra to help make the nights merry and then there were many other pleasing program features.

"I think everything is just about perfect for one of the sweetest little broadcasting stations in the country. And I'm sure you'll be proud of it," said Mr. Tison to Mr. Bowles, in the course of the afternoon. "I wouldn't be surprised if some of our (*Continued on page 12*)

Below may be seen the luxurious studio of WGHB, located on the Fenway hotel, Clearwater, Florida; W. Walter Tison, director-announcer, at the desk and Caroline Lee, at the piano. Miss Lee, who was known to WSB listeners as the "Virginia Girl," at right with her Spanish guitar.

The Newest Achievements of

POWEL CROSLEY JR.

Industrialist—Pioneer Radio Builder—Master of Mass Production

Four Entirely New 4 and 5-tube Radio Sets—Also the Crescendon

Never before has Crosley engineering and manufacturing genius been so brilliantly demonstrated as in this group of new Crosley sets.

Here, at prices so low as to be literally revolutionary, are three 5-tube sets and one 4-tube set—entirely new in principle, design, circuit, and appearance—entirely unique in the results they give on distant and local stations—entirely unprecedented in the values they now introduce.

On two of these sets is offered the Crescendon, a new and exclusive Crosley feature—an extra volume control by which average incoming signals can be built up or modified in a manner nothing short of amazing. Introduced on the new 4-29 and 5-38, the Crescendon principle makes its first appearance in the low price field, its use having hitherto been restricted to one set costing several times as much.

Particular emphasis is directed to the new Crosley RFL receiving sets that utilize an entirely new and patented circuit which provides true cascade amplification and closely approaches the theoretical maximum of efficiency per tube. Non-oscillating at any frequency and absolutely non-radiating, the RFL Crosleys are specifically recommended for use in congested areas and for satisfactory performance in the hands of inexperienced operators.

In addition to their truly marvelous selectivity, sensitivity, and purity of tone, these new Crosleys have been given a new order of beauty that cannot help but win the highest admiration.

We do more than urge you to go to the nearest Crosley dealer for a demonstration! We ask you to go prepared for the most startling revelation in radio ever announced in the entire history of the industry—and predict that your expectations will be more than satisfied!

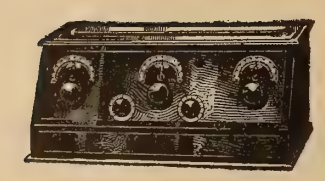
Crosley manufactures radio receiving sets which are licensed under Armstrong U. S. Patent No. 1,113,149, or under patent applications of Radio Frequency Laboratories, Inc.

THE CROSLEY RADIO CORPORATION, CINCINNATI, OHIO

Owning and Operating WLW first remote control super-power broadcasting station in America

The Crescendon
—an amazing new volume control exclusive to Crosley sets. Hear it!

The Crosley 4-tube—4-29
in which the Crescendon is equivalent to one or more additional tubes of tuned radio frequency amplification **$29**



The Crosley 5-tube—5-38
All the volume, selectivity, sensitivity and purity of tone available in the best 5-tube set—*plus the Crescendon* . . **$38**

The Crosley 5-tube—RFL-60
A set so marvelous in performance that its appearance on the market is bound to create a new standard of comparison **$60**

The Crosley 5-tube—RFL-75
For simplicity and speed in tuning, fidelity of tone, and decorative beauty—it stands unchallenged at twice the price . . **$75**

West of the Rocky Mountains all prices as published are 10% higher

CROSLEY·RADIO

BETTER · COSTS LESS

Here Are 1926 Wampas Stars—Like Them?

Motion picture fans will know many of the above girls, who have been picked as the 1926 Wampas stars. As this issue speeds to press, the plans for the annual Wampas ball and frolic, scheduled for February 4, will have been completed. In fact, the ball will be over before many readers see this picture. KNX, Hollywood, had the girls before its microphone on Tuesday, February 2. The thirteen new screen favorites are, left to right, Dolores Costello, Vera Reynolds, Mary Astor, Marcelline Day, Edna Marion, Mary Brian, Fay Wray, Janet Gaynor, Sally Long, Joyce Compton, Dolores del Rio, Sally O'Neill and Joan Crawford.

By G. L. King

THE Wampas Stars of 1926! To be one of the thirteen lucky ones is the dream of every extra girl in Hollywood, the hope of every girl who is not yet an extra.

Every year, just about Christmas time, The Wampas club (which officially is known as the Western Association of Motion Picture Advertisers, and whose membership embraces practically every press agent and advertising man connected with the movie industry in the West), holds an election in its California bungalow clubhouse at the corner of Las Palmas and Sunset boulevard in Hollywood. The result of it all is that the club as a whole pledges its efforts for the following year to the advancement of thirteen young women of the screen.

After the votes have been counted by the chaplain of the Wampas and the results announced to the anxious candidates, plans are launched for the most spectacular annual event in moviedom—the Wampas frolic and ball.

Producers Bid for Stars

This year the frolic was held in the new Al Malikah Shrine Temple in Los Angeles, one of the most magnificent buildings of its kind anywhere, and as usual the house was packed.

The selection of stars by the Wampas is an event. In years past, producers have entered into spirited bidding contests for the winners, as experience has shown that the Wampas make few mistakes and practically all of their selections have risen to real stardom. To enumerate a list of Wampas stars in the past, now stars in their own right, would be to list a great many of the leading feminine players of the screen.

KNX Official Wampas Station

Radio, of course, plays its part in Wampas proceedings, for what publicity man does not recognize the value of broadcasts in connection with the promotion of popularity of a screen player? The Wampas club for the past two years has been on the air one hour a week over KFI. More recently it has switched over to the Los Angeles Express station, KNX, which is located right in the heart of Hollywood and more suited to movie studio convenience.

The Wampas club programs are now on KNX every Tuesday between the hours of 10 and 11 p. m., Pacific time. On their last Radio program before the big annual ball, all of the thirteen lucky Wampas stars were presented to the audience of the air. Most of them had been on the air before and all of them undoubtedly will appear at Los Angeles and Hollywood microphones many times during 1926.

Dolores Costello Knows "Mike"

Some of them, Dolores Costello for instance, are microphone-broke and enjoy appearing on the air. Dolores Costello is a Warner Brothers player who, although short of experience, has already appeared in the picture, "The Sea Beast," with John Barrymore. She has appeared over the Warner Brothers station, KFWB, many times, acting as guest announcer for the Warner frolics.

So, when you pick up a Los Angeles or Hollywood station on your set next time listen for the voice of one or more of the pretty girls pictured above.

CANADA CAR SQUAD WILL AID TORONTO

EXPERTS TO INVESTIGATE POWER INTERFERENCE

Apparatus Has Been Taken 4,000 Miles Over Dominion Improving Conditions for Good Reception

By A. H. Munday

TORONTO.—The Radio branch of the department of marine and fisheries has detailed a Radio inductive interference squad for the city of Toronto and district, and the staff and the car reached Toronto a few days ago.

For the past two years the Radio branch has been carrying on considerable research work of ways and means of dealing with this particular type of interference and as a result has developed special apparatus for its location and suppression.

This car has recently completed a 4,000-mile tour of eastern and central Ontario investigating and clearing up many cases of interference in about ninety towns and villages. During the trip the squad has been successful in eliminating seventy-five per cent of the cases investigated, and it is hoped that many of the remaining twenty-five per cent of the cases investigated will be shortly eliminated as a result of the experiments which are now in hand.

Listeners' Licenses Provide Funds

From the preliminary survey of the situation in Toronto recently made by the inductive interference section, it is found that the question is very much more involved here than in smaller towns, largely owing to the multiplicity of power lines and the great amount of electrical apparatus in use.

Inductive interference, which originates generally in some fault in electrical apparatus, whether in the power house or the consumer's premises, will travel along the power lines in the form of an electric surge, and will then radiate therefrom, causing interference to all Radio receivers in a district, possibly for a distance of two or three miles from the source.

This work of clearing the air is being carried on by the Canadian Radio branch from the funds available from the sale of Radio listeners' licenses, and it is the intention to extend this work according to the increase of the number of licenses sold.

Dallas Station Will Receive Reports on Sports in Studio

DALLAS, Tex.—Station WRR, here, "The City of Achievement," has adopted a system that will enable this station to receive returns direct from football and baseball games by wire on the telegraph ticker and broadcast play by play at a great saving of time, giving the results as received without losing time for copying reports in a different room.

A noiseless telegraph ticker has been equipped and installed in the same room with the microphone, and the operator will use head pieces for receiving and a noiseless typewriter. The announcer stands back of the operator and announces the results word by word as the news flashes over the wire.

ONE TUBE STAR GETS POLICE DOG

Otto Glasser, Jr., (right) of San Antonio, Texas, is one young member of the R. O. T. C. who knows how to tune in the stations on a one tube set. "Nigger," the dog, is the prize Otto received for winning first place in the first month of the Crosley Radio corporation one tube set receiving contest. "Miss Nigger," however, we should call her ladyship, for she is the charming daughter of two famous German shepherd dogs of very fine pedigree.

INLAND EMPIRE HAS GROUP TO AID RADIO

NON-PROFIT, NON-BUSINESS ORGANIZATION FORMED

To Assist Financially and Otherwise in Maintaining Station KFCF at Walla Walla, Wash.

SPOKANE, Wash.—Articles of incorporation were forwarded recently to Olympia by the Blue Mountain Radio association, a non-profit, non-business organization, formed to promote more widespread interest in Radio and particularly to help Station KFCF at Walla Walla, Wash.

Objects of corporation include: To assist, financially and otherwise, in maintaining and operating a Radio broadcasting station in Walla Walla, and in establishing, maintaining and operating broadcasting stations elsewhere within the Inland Empire.

To obtain material for broadcasting programs and to promote and encourage improvement of Radio programs and the use of Radio in exploiting communities and community advantage, and to organize Radio patrons in the Inland Empire, are also announced as objectives.

Membership certificates are to be issued to chambers of commerce, business firms and individuals. There will be no capital stock and no shares will be issued. Trustees for the first six months are Benjamin J. Stone, M. L. McMurtry, H. L. Bendix, John Cameron, L. R. Hoagland, R. E. Allen and J. D. Moore.

PRIEST, RABBI AND MINISTER AT MIKE

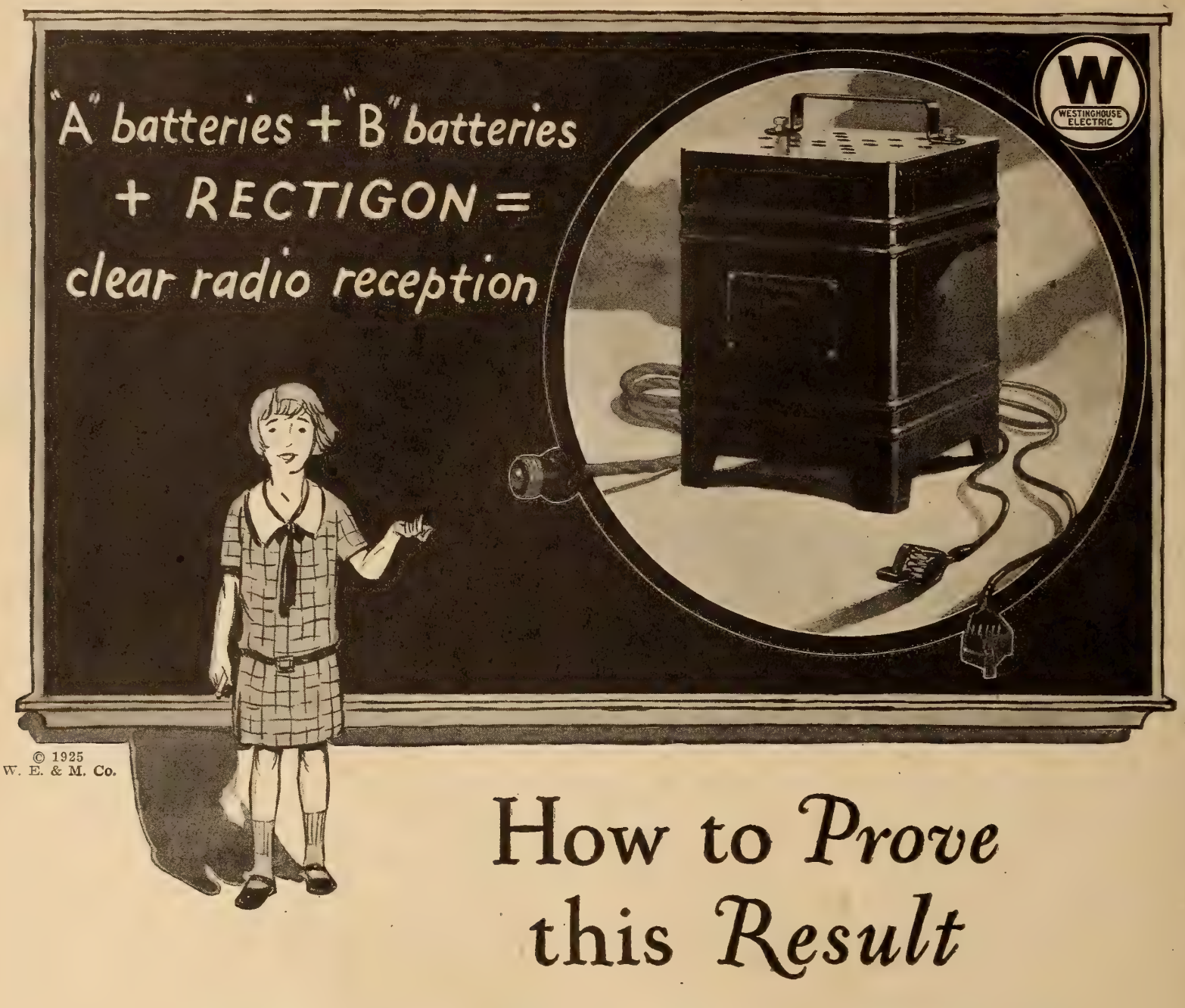
Three Religionists Attend Brooklyn Dinner and Speak on Same Subject Over WAHG

BROOKLYN.—Monsignor John H. Bo ford and Rabbi Alexander Lyons and the Rev. Dr. F. Parkes Cadman recently faced the microphone at WAHG, the Grebe station, Richmond Hill, broadcasting a dinner by the Parents' and Preachers' association of the Adelphi Academy, Brooklyn.

Station WAHG carried the speeches on three wave lengths, 316, 236 and 63. Reports have been received that France, Peru and Alaska heard the three prelates tell about religious instruction in the home. A consensus of opinion of the three religionists seemed to be that a home is a home, whether it is a Catholic, Jewish or Protestant home, and that the latent desire of all is that the fatherhood of God and the brotherhood of man are of the greatest importance.

While the three prelates were seated at the dinner, a battery of lamps blazed in their faces while photographers from all of the big news services of New York were present to make pictures of a priest, a rabbi and a protestant minister breaking bread together. The scene seemed to be too much for the "juice" of the Hotel Bossert, for a fuse blew out and left the big hotel in total darkness. Repairs were made, however, and the pictures were completed.

RADIO 'RITHMETIC



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Westinghouse manufactures, also, a complete line of Micarta radio panels, Micarta tubes and instruments.

The Westinghouse Rectigon Battery Charger

COST OF ECONOMIES MAY BE PROHIBITIVE

CHECK YOUR THRIFT, SAYS NOTED KITCHEN EXPERT

Betty Crocker Outlines Principle of Determining False Savings—Suggests Taking Inventory

Have you heard, and do you regularly listen for Betty Crocker's Radio talks? Miss Crocker is nationally known as a home food specialist who is broadcasting from a dozen of the country's largest stations. By special arrangement Radio Digest has secured a series of exclusive articles by Miss Crocker dealing with her current Radio talks. These broadcasts are made through WEEI, WEAF, WCAE, WGR, WEAR, WWJ, WDAF, WJAR, WHT, WFI, KSD, KFI, and WCCO, the Gold Medal station at Minneapolis-St. Paul. All of Miss Crocker's recipes and discussions are based upon actual investigations and work of herself and her assistants in model kitchens.—Editor's Note.

By Betty Crocker

"NOW is the time," the walrus said, "to talk of many things," and among the many things the question of economy bobs up repeatedly. In discussing the big subject of economy, there are indeed many things to talk about. Pet economies are funny things. A real economy in one family or one community may be sheer extravagance in another. What is your pet economy? Is it a real economy or does it cost more than it is worth?

Every housekeeper should do a little detective work and investigate the character of her economies. For example, do you economize by buying a large quantity of food and then serve it so often that your husband not only refuses that food, but demands more expensive food by way of reaction? Do you economize by using eggless recipes and buying less milk and then pay high-priced specialists to tell you why your little boy is underweight and your little girl so pale?

Use of Cheap Meat

Do you buy a cheap cut of meat and then pound it and chop it and add quantities of vegetables and butter and use a great deal of time and fuel trying to make it palatable? Figure the cost of the finished product, and see if a more tender cut would not be just as cheap in the end.

On the other hand, do you "buy a few chops for dinner" at 30 cents a pound without realizing that these same chops will cost all the way from 53 cents to 85 cents a pound by the time they are ready to serve—and the bone (at 30 cents a pound) is reposing in the garbage can?

Air Your Pet Economies

It might be worth while to bring some of your pet economies out into good light to look them in the face. Find out whether they are real economies, or only luxuries in disguise.

A woman on our street orders a sack of flour from the grocer without stating what brand she wants. I often hear her say, "I can't understand what happened to my Devil's Food cake this morning." Her Devil's Food cake is her prize recipe, and she is always surprised when it turns out to be a failure. A kitchen-tested flour, guaranteed to always act the same way in the oven, would not only be a real economy to this woman, but also a very great satisfaction.

A woman once told me that for years and years she had spent her precious strength and had worn out clothes by rubbing them to pieces in order to save soap—common, every-day soap. What is soap compared to a woman's strength and happiness?

Question of Quantity and Quality

Economies can never be measured by those of your next door neighbor, because no two families have the same need. It is extravagance for one family to buy all the expensive out-of-season fruits and vegetables, but it may be a real economy to the mother whose big task is to tempt the appetite of her anaemic child.

Buying in large quantities may be the best plan in a family of seven with a large basement store room, but it would be most absurd for a family of two living in a small apartment.

A mother from a small town was visiting her daughter in the city and thinking she would help. She made a gorgeous bread pudding to use up the stale bread, scolding her daughter all the while for her extravagance. Her daughter carefully figured the cost of the eggs, milk, sugar and gas used for the pudding as compared with the cost of the simple fruit gelatine that seemed so expensive to her mother.

Reclassify Your "Economies"

If eggs are cheap a bread pudding may be very inexpensive, but at city prices in the winter it is apt to be a luxury. There is no set formula or rule by which economy may be judged. It is an individual problem to be solved by each one of you. It will require some figuring and a whole lot of common sense to decide just what is the best plan for spending your money and time and energy in such a way that your family can secure the greatest returns in health and happiness. I am neither posing as a teacher nor as a wise

(Continued on page 30)

SHE TELLS MOTORISTS HOW TO GO

Motor touring has taken on a new aspect of safety and surety since broadcasting stations became the vogue. Many of these are now giving road conditions and directions for best routes for their automobile owning listeners. One of the best of such services is conducted via WBBM by the Stewart-Warner company, and the young lady above, Miss Nina Baker, is the voice behind the service.

SHORT WAVES

By Marcella

Talk about the male microphone stars getting mash notes! I, Marcella, received one myself last week. Clifford, I won't divulge, his last name, wrote me a beautiful poem about my beautiful eyes. Clifford, I fear you are a naughty, naughty boy and entirely too curious. Alas, my eyes must continue to remain a mystery to you. This column is reserved for Radio artists only. Poor Marcella must remain just an obscure little writer, unseen by the wicked world.

* *

"I'll bet the answer men in the movie magazines don't get any more mail than the Radio stars," says Mary L., in requesting facts about "The Merry Old Chief," Leo Fitzpatrick. She continues, "though you are disillusioned sometimes when you see what they really look like." But Mary might as well write Mr. Fitzpatrick off the date book, for Leo is very much married to a most charming young lady. His looks? Well, he is handsome, judging from the average standard of masculinity, is heavily built but not fat, and is of average height.

* *

G. W. S. of WOAW, or just "Gus," is pretty new to me. I have his picture, and answering May's question, I think (from the picture) that he is married. Of course, I may be wrong. Gene Rouse is no longer there, but why be interested in Gene—he has a "cover-girl" wife that is so good looking that when the two stand side by side, all of Gene's homeliness, if I can be so brutal as to call it that, stands out. And they have a baby, too.

* *

Pat Barnes, of "Your Hour" and WHT fame, is certainly a question producer. My, my, but we girls must admire him! He is a handsome fellow, brunette, 32 years old, six feet tall, not fat, not thin—168 pounds exactly. Why shouldn't we admire him? His eyes are brown and he is SINGLE.

* *

That deep-voiced chap you've been hearing over WJAZ lately is E. F. McDonald, Jr., who owns the broadcaster. He's a peach and has a wonderful personality. Somebody'll get him if you don't, for he is a wealthy bachelor. Get out the postage stamps and writing paper!

* *

Gladyce liked our first reply to her note and therefore sends another. Replying punctually, according to our boss' order, we hereby reply that Fred Jeske is free and footloose, 26 years young, a ladies' man, and that he steps out every Monday night (silent night for WBBM). He happens to be very handsome and is one of the Two Jays. Charlie Garland, likewise of WBBM, ad-

(Continued on page 30)

Index to Women's Programs

Saturday, February 6

Eastern	Central	Mountain	Pacific
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.

WWJ (352.7m-850kc) Tonight's dinner.
11 10 9 8
WEAR (389.4m-770kc) Home service talk.
WHT (399.8m-750kc) Women's club.
12 n. 11 10 9
WGN (302.8m-990kc) Household hints.
WQJ, (447.5m-670kc) Cheating the Baby. Stories About Famous Pictures.
1 p. m. 12 n. 11 10
KMA (252m-1190kc) Domestic science topics.
12:30 11:30 10:30 9:30
WGN (302.8m-990kc) Discussion of fashions.
12:35 11:35 10:35 9:35
KYW (535.4m-560kc) Table talk.
4 3 2 1
KJR (384.4m-780kc) Tonight's dinner.

Monday, February 8

Eastern	Central	Mountain	Pacific
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.

WWJ (352.7m-850kc) Tonight's dinner.
10 9 8 7
WJZ (454.3m-660kc) Women's hour.
WRC (468.5m-640kc) Women's hour.
10:45 9:45 8:45 7:45
WEAF (491.5m-610kc) Home service talk, Betty Crocker.
WFI (394.5m-760kc) Gold Medal talk, Betty Crocker.
11 10 9 8
WEAR (389.4m-770kc) Home service talk.
WHT (399.8m-750kc) Women's club.
WNYC (526m-570kc) Women's program.
11:15 10:15 9:15 8:15
WTIC (475.9m-630kc) Fashion talk.
11:30 10:30 9:30 8:30
KFAB (340.7m-880kc) Amusing the Convalescent.
WTIC (475.9m-630kc) Housewife's forum.
11:45 10:45 9:45 8:45
WCCO (416.4m-720kc) A Gold Medal Valentine Party, Betty Crocker.
WDAF (365.6m-820kc) A Gold Medal Valentine Party, Betty Crocker.
12 11 10 9
WGN (302.8m-990kc) Household hints.
WQJ (447.5m-670kc) Where Do You Get Your Perfumes.
12:15 11:15 10:15 9:15
KYW (535.4m-560kc) Talk.
12:35 p. m. 11:35 10:35 9:35
KYW (535.4m-560kc) Table talk.
2:30 1:30 p. m. 12:30 p. m. 11:30
KFNF (263m-1140kc) Mothers' hour.
WGY (379.5m-790kc) Cooking lesson; Household talks. Stamping Out Diptheria and Small-Pox.
3 2 1 12 n.
WCCO (416.4m-720kc) Women's hour.
WSOE (246m-1220kc) Cooking chats.
4 3 2 1 p. m.
WIP (508.2m-590kc) Market hints for housewives.
WOC (483.6m-620kc) Home Management schedule, Aunt Jane.
WQJ (447.5m-670kc) Gelatine Salads. The Advantages of a Permanent Wave.
5 p. m. 4 p. m. 3 p. m. 2 p. m.
KJR (384.4m-780kc) Home helps.
7:15 6:15 5:15 4:15
WKAR (285.5m-1000kc) Beverage Making.
7:30 6:30 5:30 4:30
WKAR (285.5m-1000kc) The Livable Living Room.
7:45 6:45 5:45 4:45
KFMQ (299.8m-1000kc) Modern Spring House Cleaning.
WKAR (285.5m-1000kc) The School Girls' Clothes.

Tuesday, February 9

Eastern	Central	Mountain	Pacific
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.

WWJ (352.7m-850kc) Tonight's dinner.
10 9 8 7
KDKA (309.1m-970kc) Domestic Science. Arts for the Housewife.
WIP (508.2m-590kc) Menu.
WJZ (454.3m-660kc) Women's hour.
WRC (468.5m-640kc) Women's hour.
10:45 9:45 8:45 7:45
WTAG (268m-1120kc) Talks to Mothers.
11 10 9 8
WEAR (389.4m-770kc) Home service talk.
WHT (399.8m-750kc) Women's club.
WMCA (340.7m-880kc) Home makers' hour.
12 n. 11 10 9
WGN (302.8m-990kc) Household hints.
WQJ (447.5m-670kc) How to Shop.
12:35 p. m. 11:35 10:35 9:35
KYW (535.4m-560kc) Table talk.
1 12 noon 11 10
KPO (428.3m-700kc) Domestic science talk.
4 3 p. m. 2 p. m. 1 p. m.
WIP (508.2m-590kc) Menu talk.
WOC (483.6m-620kc) Home Management schedule.
WQJ (447.5m-670kc) Sunday Night Suppers.
4:30 3:30 2:30 1:30
WLIT (394.5m-760kc) Household helps and hints.
5 4 3 2
KJR (384.4m-780kc) Home helps.
5:30 4:30 3:30 2:30
KOA (322.4m-930kc) Housewives matinee.
6 5 4 3
KOA (322.4m-930kc) Culinary hints.
6:15 5:15 4:15 3:15
KOA (322.4m-930kc) Fashion review.
7 6 5 4
KFOA (454.3m-660kc) Today's recipe.
8 7 6 5
WPG (299.8m-1000kc) Fashion Flashes.
8:30 7:30 6:30 5:30
KGO (361.2m-830kc) As a Woman Thinketh.

Wednesday, February 10

Eastern	Central	Mountain	Pacific
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.

WWJ (352.7m-850kc) Tonight's dinner.
10 9 8 7
WIP (508.2m-590kc) Menu.
WJZ (454.3m-660kc) Women's hour.
WRC (468.5m-640kc) Women's hour.
10:45 9:45 8:45 7:45
WEAF (491.5m-610kc) Home service talk, Betty Crocker.
WFI (394.5m-760kc) Gold Medal Service talk, Betty Crocker.
WTAG (268m-1120kc) Talk to Housewives.
11 a. m. 10 a. m. 9 a. m. 8 a.m.
WHT (399.8m-750kc) Women's club.
WNYC (526m-570kc) Women's program.
11:30 a. m. 10:30 a. m. 9:30 a. m. 8:30 a. m.
KFAB (340.7m-880kc) Spring Tonics.
11:45 10:45 9:45 8:45
WCCO (416.4m-720kc) What You Can Do When You Can't, Betty Crocker.
WDAF (365.6m-820kc) What You Can Do When You Can't, Betty Crocker.
12 n. 11 10 9
WGN (302.8m-990kc) Household hints.
WQJ (447.5m-670kc) The Middle-Aged Woman.
12:30 p. m. 11:30 10:30 9:30
WGN (302.8m990kc) Discussion of fashions.
12:35 11:35 10:35 9:35
KYW (535.4m-560kc) Table talk.
1 12 n. 11 10
KPO (428.3m-700kc) Sewing talk.
3 2 1 12 n.
WCCO (416.4m-720kc) Woman's hour.
4 3 p. m. 2 p. m. 1 p. m.
WLW (422.3m-710kc) Cooking school.
WOC (483.6m-620kc) Home Management schedule, Aunt Jane.
WQJ (447.5m-670kc) Hot Breakfasts. Who Said Pudding?
5 4 3 2
WMAQ (477.5m-670kc) Recipes.
7 6 5 4
KFOA (454.3m-660kc) Today's recipes.
KLX (508.2m-590kc) Women's hour.
KMA (252m-1190kc) Domestic science talk.
10:30 9:30 8:30 7:30
KOAC (280.2m-1070kc) Suggestions for the Home Milliner. Relief for Tired Feet.

Thursday February 11

Eastern	Central	Mountain	Pacific
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.

WWJ (352.7m-850kc) Tonight's dinner.
10 9 8 7
WIP (508.2m-590kc) Menu talk.
WJZ (454.3m-660kc) Women's hour.
WRC (468.5m-640kc) Women's hour.
11 10 9 8
WEAF (491.5m-610kc) Talks. Cookery lecture.
WEAR (389.4m-770kc) Home service talk.
WHT (399.8m-750kc) Women's club.
12 n. 11 10 9
WGN (302.8m-990kc) Household hints.
WQJ (447.5m-670kc) Unusual Sunday Night Supper Dishes. Relationship Between Employer and Employee.
12:35 p. m. 11:35 10:35 9:35
KYW (535.4m-560kc) Table talks.
1 12 n. 11 10
KPO (428.3m-700kc) Domestic science.
2 1 p. m. 12 n. 11
WGY 379.5m-790kc) Training Pre-Kindergarten children.
4 3 2 p. m. 1 p. m.
WOC (483.6m-620kc) Home Management schedule. Aunt Jane.
WQJ (447.5m-670kc) Washington's Birthday Plans. Foot Troubles—Their Home Treatment.
5 4 3 2
KFOA (454.3m-660kc) Home helps.
KSD (545.1m550kc) Women's hour.
5:30 p. m. 4:30 p. m. 3:30 p. m. 2:30 p. m.
KOA (322.4m-930kc) Housewives' matinee.
6 5 4 3
KOA (322.4m-930kc) Culinary hints.
6:15 5:15 4:15 3:15
KOA (322.4m-930kc) Fashion review.
7 6 5 4
KFOA (454.3m-660kc) Today's recipe.
8 7 6 5
KFKU (275m-1090kc) Why Study Design.
KFMQ (299.8m-1000kc) General Arrangement of Small House. The Boy and Girl in the Home. Play as a Basis of Education.
8:15 7:15 6:15 5:15
KSAC (340.7m-880kc) Keeping Household Accounts. Digging Your Grave with Your Teeth.

Friday, February 12

Eastern	Central	Mountain	Pacific
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.

WWJ (352.7m-850kc) Tonight's dinner.
10 9 8 7
KDKA (309.1m-970kc) Domestic science and Arts for the Housewife.
WJZ (454.3m-640kc) Women's hour.
WRC (468.5m-640kc) Women's hour.
10:45 9:45 8:45 7:45
WTAG (268m-1120kc) Food hints.
11 10 9 8
WHT (399.8m-750kc) Women's club.
11:30 10:30 9:30 8:30
KFAB (340.7m-880kc) The Family Dinner Table.
WTIC (475.9m-630kc) Housewives' forum.
11:45 10:45 9:45 8:45
WCCO (416.4m-720kc) A Gold Medal Pie, Betty Crocker.
WDAF (365.6m-820kc) A Gold Medal Pie, Betty Crocker
WEAR (389.4m-770kc) Home service talk.
12 n. 11 10 9
WGN (302.8m-990kc) Household hints.
WQJ (447.5m-670kc) Sunday Dinner Menu.
12:30 p. m. 11:30 10:30 9:30
WGN (302.8m-990kc) Discussion of fashions.
12:35 11:35 10:35 9:35
KYW (535.4m-560kc) Table talk.
1:45 12:45 11:45 10:45
WOAW (526m-570kc) Sunshine Sunday dinner menu.
3 2 p. m. 1 p. m. 12 n.
WCCO (416.4m-720kc) Women's hour.
4 3 2 1
WOC (483.6m-620kc) Home Management, Aunt Jane.
WQJ (447.5m-670kc) Lincoln's Birthday. Fifth Radio Lesson. Proper Use of Cosmetics.
5 4 3 2
KJR (384.4m-780kc) Home helps.
KYW (535.4m-560kc) Woman's hour.
5:15 4:15 3:15 2:15
WMAQ (477.5m-670kc)
5:30 4:30 3:30 2:30
KOA (322.4m-930kc) Housewives matinee.
WFAA (475.9m-630kc) Women's hour.
6 5 4 3
KOA (322.4m-930kc) Culinary hints.
6:15 5:15 4:15 3:15
KOA (322.4m-930kc) Fashion review.

Who Wins the Gold Award for Foreign Tests?

AS THIS issue goes to press the reports of foreign reception are being submitted to Radio Digest for entry in the $100.00 Gold Award competition. The communications must be in the judges' hands not later than Thursday midnight, February 4. Watch the next few issues of the Radio Digest for announcements of the winners of this unique contest. Confirmation programs for all foreign stations will be given next week.

1,200 VOICES WILL SING ON PROGRAM

WEAF to Broadcast the Third Annual Concert of the Associated Glee Clubs

NEW YORK.—On Saturday, February 6, WEAF will broadcast direct from the Seventy-first Regimental Armory, Thirty-fourth street and Park avenue, this city, at 8:30 p. m., Eastern time, the third annual concert of the Associated Glee clubs which will be held under the direction of Walter Damrosch, the famous conductor of the New York Symphony orchestra. The concert will last two hours.

The glee club concert has been broadcast from New York city and several other nearby cities with a combined membership of 1,200 voices, all of whom will take part.

The soloist of the occasion will be Miss Annie Fitziu of the Metropolitan and Chicago Opera companies. Several of the selections which will be rendered by this mammoth male chorus will be Baldwin's "Hymn Before Action," a special arrangement of Handel's "Where'er You Walk," Speaks-Gaines' "Sylvia" and Mark Andrews' "The Clock."

Boston Symphony to Be Broadcast Over WEEI

Winfield S. Quinby Gives $1,000 for Each of Twelve Concerts

BOSTON.—For the first time in its history, and after a long series of attempts to secure permission, concerts of the Boston Symphony orchestra are to be broadcast from Station WEEI through the generosity of a Boston business man, Winfield S. Quinby. Mr. Quinby has given $1,000 for each of the twelve concerts to pay for the privilege of having them broadcast from the regular Saturday afternoon programs of the orchestra at Symphony hall. The first two concerts were broadcast January 23 and 30, and one thereafter will be given each Saturday for ten additional weeks.

It is possible that the concerts will be relayed to other stations in New England, particularly WTAG, Worcester, and QCSH, Portland, Me. This feature is dependent upon the arrangements that WEEI officials can make with other stations and with the telephone company.

Arthur F. Edes of the WEEI announcing staff, known to listeners as EFA., is to have charge of the microphone at all the twelve concerts.

KSL Broadcasts Education

SALT LAKE CITY, Utah.—The University of Utah has announced the beginning of a series of lectures over Station KSL. They are of an educational nature and deal with health subjects, literature, science, history, etc.

To Hunt Cause of Static This Week

National Tests Will Be Made by 4,000 Observation Stations; Will Aid in Survey

CHICAGO.—Dates for the national tests of Radio reception to determine the causes of static and fading have been announced after 4,000 of the 4,500 designated observation stations had expressed a willingness to take part in the survey, which is being conducted by the Stewart-Warner Speedometer corporation here, in cooperation with the Northwestern university.

The first test will be held on Tuesday night, February 9, from 8 to 11 o'clock, Central time. The second and third tests will be on the two succeeding nights at the same hours. Subsequent trials will be held throughout the winter, should the data obtained indicate that real progress in a search for the causes of these two major Radio annoyances is being made.

Most of the observations will be made by broadcast listeners using standard receiving sets and depending for the accuracy of their reports upon their own ears. To insure the scientific accuracy of the result, however, twenty control stations equipped with electrical measuring devices and automatic recorders have been placed in strategic points about the country.

FLORIDA TO BERING SEA

(Continued from page 7)

frostbitten Canadian friends would be listening in when WGHB goes on the air tonight."

Mr. Bowles looked hopeful, but the merest shadow of a doubt still lingered.

It was a clear night and Clearwater never had been clearer. There was narry a thing to go amiss. The little 500 watter did her stuff to Mr. Tison's entire satisfaction. Telegrams and phone calls came in with a flood that fairly deluged Mr. Bowles.

But the best message did not get in until the next day. And this is what it said:

"Congratulations, new station. Songs, orchestra whole program came through loud speaker like next room. What power do you use?—Dr. George H. Lescher, St. Paul Island, Alaska.

Gus Swanson Is Member of WOAW's Announcing Staff

OMAHA.—Station WOAW has recently added to their announcing staff Mr. Gus Swanson, possessor of a deep bass voice, with unusually clear enunciation. Already he has become very popular with the Radio audience. Mr. Swanson is well known in the musical circles of Omaha and is a leader in choral and community singing. He is a bass soloist at the Kountze Memorial Lutheran church and an active club worker.

AMERICAN STATIONS IN WAVE LENGTH ORDER

Meters	Call	Meters	Call	Meters	Call	Meters	Call	Meters	Call	Meters	Call
217.3	WOK	273	WRW	305.9	KTCL	356.9	CKNC	405.2	WOR	468.5	WCAP
226	WBBM	275	WHAR	305.9	WJAR	361.2	KGO	406	WBAR	468.5	WRC
226	WIBO	275	WORD	309.1	KDKA	361.2	WHN	410.7	CKAC	475.9	WBAP
240	KFVE	275.3	WJAS	315.6	WAHG	365.6	WDAF	416.4	WCCO	475.9	WTIC
240	KTAB	278	KOIL	315.6	WGBS	365.6	WHB	421	KIAF	475.9	WFAA
240	WDBO	278	WCAU	319	WGR	370.2	WEBH	422.3	WLW	480	CYL
240	WOAX	278	WGBU	319	WSMB	370.2	WJJD	422.3	WKRC	483.6	WOC
246	WBAL	278	WOQ	322.4	KOA	374.8	KTHS	428.3	WSB	483.6	WSUI
250	WGES	280.2	WNAC	322.4	WJAZ	379.5	WGY	428.3	KPO	491.5	KGW
250	WMBB	282.8	WOAN	325.9	WSAI	379.5	WHAZ	434.5	CNRO	491.5	WEAF
252	KFWB	282.8	WSM	333.1	WBZ	384.4	CKY	434.5	CFCN	499.7	WMC
252	WGCP	285.5	WKAR	336.9	KNX	384.4	KJR	434.5	NAA	508.2	KLX
256	WRVA	285.5	WREO	337	KFMX	384.4	WMBF	435	AT9	508.2	WIP
263	KFNF	288.3	KFKX	340.7	KFAB	389.4	WEAR	440.9	KLDS	508.2	WOO
265.6	WMAK	288.3	WLWL	340.7	WKAQ	389.4	WTAM	440.9	WDWF	516.9	CJCA
266	WBCN	293.9	KTBI	340.7	WMCA	394.5	WFI	440.9	WOS	516.9	WCX
266	WGHB	293.9	WEAO	344.6	WCBD	394.5	WLIT	447.5	WMAQ	516.9	WJR
268	WTAG	296.9	KPRC	344.6	WLS	394.5	WOAI	447.5	WQJ	526	WHO
270	WGHP	299.8	KFMQ	348.6	KOB	399.8	WHAS	454.3	KFOA	526	WNYC
272.6	WBBR	299.8	KSL	348.6	KWSC	399.8	WHT	454.3	WJZ	526	WOAW
273	KWKH	299.8	WPG	348.6	WEEI	400	PWX	455	KTW	535.4	KYW
272.6	WEBJ	302.8	WGN	350	CZE	405.2	KHJ	461.3	WCAE	545.1	KFUO
272.6	WFBH	302.8	WLIB	352.7	WWJ	405.2	WJY	467	KFI	545.1	KSD

AN EVENING AT HOME WITH THE LISTENER IN
IN EASTERN TIME

Call	Location	Met.	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday
AT9	Fort Bragg, N. C.	435	Silent	6:00- 7:00	Silent	Silent	Silent	8:00- 9:55	Silent
CFCN	Calgary, Alta.	434.5	12:00- 2:00	Silent	Silent	Silent	Silent	10:00-11:00	Silent
CJCA	Edmonton, Can.	516.9	11:00- 1:00	9:30-10:30	9:30-11:30	9:30-10:00	8:00-10:00	11:00- 1:00	10:00- 1:00
CKAC	Montreal, Que.	410.7	7:30-11:00	Silent	Silent	7:30-11:00	Silent	7:30-11:00	Silent
CKNC	Toronto, Ont.	356.9	8:00-10:00	Silent	8:00-11:00	Silent	Silent	Silent	Silent
CKY	Winnipeg, Man.	384.4	9:00-12:00	8:00-11:00	9:00- 1:00	Silent	8:30-12:00	9:30-12:00	Silent
CNRO	Ottawa, Ont.	434.5	8:30- 1:30	Silent	Silent	Silent	8:30- 1:30	Silent	Silent
CYL	Mexico City, Mex.	480	Silent	10:24-11:54	Silent	10:24-11:54	Silent	Silent	10:24-11:54
CZE	Mexico City, Mex.	350	9:24-10:24	Silent	9:24-10:24	9:24-10:24	9:24-10:24	9:24-10:24	9:24-10:24
KDKA	Pittsburgh, Pa.	309.1	6:30- 9:55	4:00- 8:45	6:30- 9:55	6:30-12:35	6:30- 9:55	6:30-12:00	6:30- 9:55
KFAB	Lincoln, Nebr.	340.7	6:30-10:30	5:00-12:00	6:30-11:30	6:30-11:30	6:30-11:30	Silent	6:30-11:30
KFI	Los Angeles, Calif.	467	9:00- 6:00	7:00- 2:00	9:00- 2:00	9:00- 2:00	9:00- 2:00	9:00- 2:00	9:00- 2:00
KFKX	Hastings, Nebr.	288.3	6:30- 7:30	Silent	10:00-12:00	6:30- 7:30	10:00-12:00	8:00- 9:00	10:00-12:00
KFMQ	Fayetteville, Ark.	299.8	Silent	Silent	Silent	8:30- 9:30	9:00-10:00	Silent	Silent
KFMX	Northfield, Minn.	336.9	Silent	8:00- 9:00	Silent	10:30-11:00	10:00-11:00	Silent	11:00-12:00
KFNF	Shenandoah, Ia.	263	8:00-10:00	8:30- 9:30	8:00-10:00	8:00-10:00	8:00-10:00	8:00-10:00	8:00-10:00
KFOA	Seattle, Wash.	454.3	11:30- 2:30	Silent	9:45- 1:00	9:45- 1:00	9:45- 1:00	Silent	9:45- 2:30
KFUO	St. Louis, Mo.	545.1	Silent	5:00-11:15	9:00-10:00	Silent	10:15-11:15	Silent	Silent
KFVE	Univ'ty City, Mo.	240	10:15-11:15	Silent	10:15-11:15	10:15-11:15	10:15-11:15	Silent	10:15-11:15
KFWB	Hollywood, Calif.	252	10:45- 3:00	12:00- 2:00	10:00- 3:00	10:00- 3:00	10:00- 3:00	10:00- 3:00	10:10- 3:00
KGO	Oakland, Calif.	361.2	11:30- 3:00	6:30-12:30	9:00- 1:00	9:00- 2:00	9:00-10:00	11:00- 2:00	9:00-10:00
KGW	Portland, Ore.	491.5	9:00- 3:00	10:25- 1:00	9:00-12:00	9:00- 3:00	9:00- 2:00	9:00-11:00	12:00- 1:30
KHJ	Los Angeles, Calif.	405.2	9:00- 2:00	9:30- 1:00	Silent	9:30- 2:00	9:00- 2:00	9:00- 4:00	9:30- 2:00
KIAF	Sihtipok, Minn.	421	Silent	3:00- 4:00	8:00- 9:00	Silent	8:00- 9:00	Silent	8:00- 9:00
KJR	Seattle, Wash.	384.4	11:30- 1:00	10:15-12:00	10:00- 2:00	11:30- 1:00	10:00- 1:00	11:30- 3:00	11:30- 2:00
KLDS	Independence, Mo.	440.9	9:00-10:00	7:30-11:00	Silent	9:00-12:59	Silent	9:00-10:00	Silent
KLX	Oakland, Calif.	508.2	10:00-10:30	Silent	7:00-10:30	10:00- 2:30	7:00-10:30	10:00-10:30	7:00-10:30
KNX	Hollywood, Calif.	336.9	9:15- 5:00	5:00- 1:30	9:15- 3:00	9:15- 2:00	9:15- 3:00	9:15- 2:00	9:15- 3:00
KOA	Denver, Colo.	322.4	11:00- 1:00	5:00-10:45	8:30-12:30	8:30-10:30	8:30- 2:00	8:30- 9:30	8:30-11:00
KOB	State College, N. M.	348.6	Silent	Silent	9:30-10:30	Silent	Silent	Silent	Silent
KOIL	Council Bluffs, Ia.	278	6:00- 2:00	8:00- 1:00	7:00- 1:00	7:00- 1:00	7:00- 8:15	7:00- 1:00	7:00- 1:00
KPO	San Francisco, Cal.	428.3	9:35- 3:00	8:00- 2:00	9:40- 2:00	9:15- 2:00	9:15- 2:00	9:15- 2:00	9:30- 2:00
KPRC	Houston, Texas	296.9	8:30- 1:00	8:30-11:30	8:30-11:00	8:30-10:30	8:30- 1:00	8:30- 1:00	Silent
KSD	St. Louis, Mo.	545.1	7:45-11:00	7:15-10:15	7:55-12:00	7:55-11:00	8:00-10:00	7:55-11:00	8:30-10:00
KSL	Salt Lake City, Ut.	299.8	10:00- 1:00	11:00- 1:00	10:00- 1:00	11:00- 1:00	10:00- 1:00	10:00- 1:00	11:00- 1:00
KTAB	Oakland, Calif.	240	Silent	10:45- 2:00	11:00- 1:00	11:00- 1:00	Silent	12:00- 3:00	11:00- 1:00
KTBI	Los Angeles, Calif.	293.9	Silent	10:15-12:30	Silent	11:00-12:00	Silent	11:00-12:00	Silent
KTCL	Seattle, Wash.	305.9	Silent	12:10- 9:10	10:00-11:00	11:00-12:00	Silent	Silent	10:00- 3:00
KTHS	Hot Springs, Ark.	374.8	10:00-12:00	10:00-12:30	10:00-12:00	10:00-12:00	10:00-12:00	10:00-12:00	10:00-12:00
KTW	Seattle, Wash.	455	9:30-10:30	Silent	Silent	9:30-10:30	Silent	9:30-10:30	Silent
KWKH	Shreveport, La.	261	10:00- 1:00	6:00-10:00	9:00-10:30	10:00- 1:00	Silent	9:00-10:30	Silent
KWSC	Pullman, Wash.	348.6	Silent	Silent	10:30-12:00	Silent	10:30-12:00	Silent	10:30-12:00
KYW	Chicago, Ill.	535.4	8:00-11:00	5:00- 9:00	Silent	8:00- 1:30	8:00- 2:30	8:00- 1:30	8:00- 2:30
NAA	Radio, Va.	434 5	Silent	Silent	7:45- 8:00	7:45- 8:00	7:25- 8:40	7:45- 8:00	7:45- 8:00
PWX	Havana, Cuba	400	8:30-11:00	Silent	Silent	Silent	8:30-11:00	Silent	Silent
WAHG	Richmond, N. Y.	315.6	12:00- 2:00	Silent	8:00- 2:00	Silent	7:30-12:00	Silent	8:00-11:00
WBAL	Baltimore, Md.	246	Silent	6:30- 7:30	6:30-10:00	6:30- 9:00	Silent	6:00-10:00	6:30- 9:00
WBAP	Fort Worth, Tex.	475.9	10:30-12:00	10:30-12:00	8:30- 1:00	8:30-12:00	Silent	8:30- 1:00	8:30- 1:00
WBAR	Sisiht, Wis.	408	Silent	11:00-12:00	10:00-11:00	Silent	9:00-10:00	8:30- 9:30	Silent
WBBM	Chicago, Ill.	226	9:00- 2:00	9:00- 3:00	7:00- 8:00	9:00- 1:00	9:00- 3:00	9:00- 1:00	9:00-11:00
WBBR	Staten Island, N.Y.	272.6	8:00-10:00	9:00-10:15	8:00- 9:00	Silent	Silent	8:00- 9:00	Silent
WBCN	Chicago, Ill.	266	10:00- 2:00	6:00- 1:00	Silent	10:00- 2:00	9:00- 1:00	10:00- 3:00	10:00- 2:00
WBZ	Springfield, Mass.	333.1	6:30- 8:30	8:00- 9:00	6:30-11:05	6:30-10:02	6:30- 9:45	6:30-10:00	6:30-11:05
WCAE	Pittsburgh, Pa.	461.3	8:30- 9:30	6:30- 8:20	6:30-12:00	8:00-11:00	8:30-10:00	9:00-11:00	8:00- 9:30
WCAP	Washington, D. C.	468.5	Silent	4:00-10:15	7:00-11:00	Silent	6:45-12:00	Silent	6:00-12:00
WCAU	Philadelphia, Pa.	278	Silent	5:00-11:30	8:00-11:30	6:45-12:00	6:45- 1:00	6:30-12:00	7:30-11:30
WCBD	Zion, Ill.	344.6	Silent	9:00-11:30	Silent	9:00-11:30	Silent	9:00-11:30	Silent
WCCO	Minn-St. P., Minn.	416.4	7:15-12:05	5:10- 9:15	7:00-11:00	7:15-11:00	8:00- 1:30	8:00-12:05	7:15-12:05
WCX	Detroit, Mich.	516.9	6:00- 7:00	7:15- 8:15	6:00- 9:00	6:00-11:00	6:00- 9:00	6:00- 9:00	6:00-11:00
WDAF	Kansas City, Mo.	365.6	7:00- 2:00	5:00- 5:45	7:00- 2:00	7:00- 2:00	7:00- 2:00	7:00- 2:00	7:00- 2:00
WDBO	Winter Park, Fla.	240	9:00-10:30	5:00- 6:00	9:00-10:30	9:30-11:00	9:00-10:30	9:00-10:30	9:00-10:30
WDWF	Providence, R. I.	440.9	Silent	Silent	Silent	8:30- 9:30	Silent	Silent	Silent
WEAF	New York, N. Y.	491.5	6:00-12:00	2:00-10:15	6:00-12:00	6:00-12:00	6:00-12:00	6:00-12:00	6:00-12:00
WEAO	Columbus, Ohio	293.9	Silent	Silent	Silent	7:00- 9:00	8:00- 9:00	8:00-11:00	Silent
WEAR	Cleveland, Ohio	389.4	7:00- 1:00	7:00-10:15	8:00-12:00	7:00-10:00	7:00- 8:00	7:00-11:00	7:00-11:00
WEBH	Chicago, Ill.	370.2	8:00- 3:00	6:00-10:00	Silent	8:00- 1:30	8:00- 1:30	8:00- 1:30	8:00- 1:30
WEBJ	New York, N. Y.	272.6	Silent	Silent	Silent	8:00- 9:00	8:00-10:00	Silent	7:00- 9:00
WEEI	Boston, Mass.	348.6	Silent	7:20-10:20	8:30-10:00	8:00-11:00	8:00-10:00	8:00-11:00	8:30-11:00
WENR	Chicago, Ill.	266	7:00- 3:00	3:00-12:30	Silent	7:00-11:00	7:00- 3:00	7:00-11:00	7:00- 3:00
WFAA	Dallas, Tex.	475.9	9:30- 1:00	7:30-12:00	7:30-10:30	7:30- 1:00	Silent	7:30- 1:00	7:30-10:30
WFBH	New York, N. Y.	272.6	11:30- 2:00	5:00- 8:00	11:30- 2:00	11:30- 2:00	11:30- 2:00	11:30- 2:00	11:30- 2:00
WFI	Philadelphia, Pa.	394.5	8:00- 9:30	7:30- 8:30	Silent	8:00-12:00	Silent	8:00-11:00	Silent
WGBS	New York, N. Y.	315.6	6:00-11:30	8:00- 9:00	7:00- 7:15	6:30-11:30	6:00- 8:30	6:00- 8:45	Silent
WGBU	Fulford, Fla.	278	6:30- 1:00	9:30-12:00	6:30- 1:00	6:30- 1:00	6:30- 1:00	6:30- 1:00	6:30- 1:00
WGCP	New York, N. Y.	252	Silent	8:00-11:15	8:00-11:00	Silent	8:00-11:15	Silent	8:00-11:00
WGES	Oak Park, Ill.	250	11:30- 3:00	11:30- 3:00	Silent	11:30- 3:00	11:30- 3:00	11:30- 3:00	11:30- 3:00
WGHB	Clearwater, Fla.	266	6:30- 1:00	Silent	6:30- 1:00	6:30- 1:00	6:30- 1:00	6:30- 1:00	6:30- 1:00
WGHP	Detroit, Mich.	270	Silent	Silent	7:00- 9:00	7:00- 9:00	7:00- 9:00	9:00-11:00	9:00-11:00
WGN	Chicago, Ill.	302.8	7:30-11:00	4:00-10:15	Silent	7:30-12:00	7:30-12:00	7:30-12:00	7:30-12:00
WGR	Buffalo, N. Y.	319	Silent	7:45-10:15	8:30- 1:00	8:00-11:00	8:00- 1:00	8:00-11:00	8:45- 1:00
WGY	Schenectady, N. Y.	379.5	9:00-12:00	6:30-10:00	6:30- 8:30	7:00-11:00	Silent	6:45-11:30	7:15-10:30
WHAR	Atlantic City, N. J.	275	7:30-10:30	7:50- 1:15	7:30-10:00	7:30- 1:15	Silent	7:30-11:00	7:30- 1:15
WHAS	Louisville, Ky.	399.8	8:30-10:00	5:00- 6:00	Silent	8:30-10:30	8:30-10:00	8:30-10:00	8:30-10:00
WHAZ	Troy, N. Y.	379.5	Silent	Silent	9:00-12:00	Silent	Silent	Silent	Silent
WHB	Kansas City, Mo.	365.6	Silent	9:00- 2:30	8:00- 9:00	8:00-11:00	8:00- 9:00	8:00-11:00	8:00- 9:00
WHN	New York, N. Y.	361.2	7:30-10:00	5:00- 5:30	8:00-12:00	9:30-10:00	10:00-11:30	8:00-10:00	7:30-12:30
WHO	Des Moines, Ia.	526	Silent	5:00- 9:30	8:30- 1:00	8:30- 1:00	7:30- 1:00	8:30- 1:00	8:30- 1:00
WHT	Chicago, Ill.	399.8	8:00- 2:00	1:00-11:30	Silent	8:00- 2:00	8:00- 2:00	8:00- 2:00	8:00- 2:00
WIBO	Chicago, Ill.	226	7:00- 9:00	7:00- 1:00	Silent	7:00- 4:00	7:00- 4:00	7:00- 4:00	7:00- 3:00
WIP	Philadelphia, Pa.	508.2	8:00-12:05	Silent	Silent	8:00- 1:00	Silent	8:00- 1:00	Silent
WJAR	Providence, R. I.	305.9	Silent	7:20-10:15	8:00-10:00	7:30-10:00	7:30-11:00	8:00-11:00	8:00-12:00
WJAS	Pittsburgh, Pa.	275.3	7:00-12:00	Silent	7:00-12:00	7:00-12:00	7:00-12:00	7:00-12:00	7:00-12:00
WJAZ	Chicago, Ill.	322.4	Silent	Silent	Silent	Silent	Silent	11:00- 1:00	Silent
WJJD	Mooseheart, Ill.	370.2	7:00- 1:00	9:45-11:00	Silent	7:00- 2:00	7:00- 2:00	7:00- 2:00	7:00- 2:00
WJR	Pontiac, Mich.	516.9	7:00-12:30	Silent	7:00-12:30	7:00-10:00	7:00-12:30	7:00-12:00	7:00- 9:00
WJY	New York, N. Y.	405.2	Silent	8:15- 9:15	Silent	8:30-11:15	Silent	8:30-10:00	8:45- 9:45
WJZ	New York, N. Y.	454.3	7:00-11:30	8:00-11:00	8:15- 9:15	8:10-11:30	9:30-11:30	8:30-11:00	8:15-10:45
WKAQ	San Juan, P. R.	340.7	Silent	Silent	Silent	Silent	7:00- 9:00	7:00- 9:00	7:00- 9:00
WKAR	Lansing, Mich.	285.5	12:30- 2:00	Silent	7:00- 8:00	Silent	8:00- 9:15	Silent	7:00- 8:00
WKRC	Cincinnati, O.	422.3	11:00-12:00	7:45- 1:00	7:00- 2:00	11:00- 1:00	7:00- 2:00	11:00- 1:15	Silent
WLIB	Chicago, Ill.	302.8	8:00- 2:00	6:00- 8:00	Silent	8:00- 2:00	8:00- 2:00	8:00- 2:00	8:00- 2:00
WLIT	Philadelphia, Pa.	394.5	Silent	Silent	7:30-11:00	Silent	7:30-11:00	Silent	7:30-11:00
WLS	Chicago, Ill.	344.6	8:45- 2:00	7:30- 8:55	Silent	8:00- 9:00	8:00-12:30	8:00- 9:55	8:00-12:30
WLW	Cincinnati, O.	422.3	8:00-10:00	8:30-10:30	8:00- 9:00	7:30-11:00	8:00-12:00	8:00- 1:00	Silent
WLWL	New York, N. Y.	288.3	Silent	7:00- 8:00	8:00-10:00	8:00- 9:00	Silent	8:00-10:00	Silent
WMAK	Lockport, N. Y.	265.5	6:15-10:30	7:30- 8:30	7:30- 9:00	6:15- 7:15	7:30-10:00	6:15- 7:15	Silent
WMAQ	Chicago, Ill.	447.5	9:00-11:00	Silent	Silent	9:00-11:15	9:00-10:45	8:00-12:00	9:00-11:15
WMBB	Chicago, Ill.	250	8:00-12:00	4:00-12:00	Silent	8:00-12:00	8:00-12:00	8:00-12:00	8:00-12:00
WMBF	Miami Beach, Fla.	384.4	7:00- 1:00	7:00- 1:00	7:00- 1:00	7:00- 1:00	7:00- 1:00	7:00- 1:00	7:00- 1:00
WMC	Memphis, Tenn.	499.7	8:30-10:30	Silent	8:30-10:30	8:30- 1:00	Silent	8:30-10:30	8:30- 1:00
WMCA	New York, N. Y.	340.7	9:00- 1:00	7:00-10:00	9:00-12:00	8:00-12:00	9:00-12:00	9:00-12:00	8:00-11:45
WNAC	Boston, Mass.	280.2	8:00-10:00	3:00- 9:30	8:00-10:00	8:00-10:00	8:00-10:00	8:00-10:00	8:00-10:00
WNYC	New York, N. Y.	526	7:00-10:30	9:00-11:00	7:35-10:30	7:10-10:30	7:30-10:30	7:35-10:30	7:30-10:30
WOAI	San Antonio, Texas	394.5	Silent	8:45- 9:45	Silent	9:30-10:30	9:30-10:30	Silent	9:30-10:30
WOAN	Lawrenceb'g, Tenn.	282.8	Silent	10:00-11:00	10:00- 2:30	10:00-11:00	10:00-11:00	10:00-11:00	10:00-11:00
WOAW	Omaha, Nebr.	526	7:00- 1:00	7:00-10:00	7:00-11:00	7:00- 2:00	Silent	7:00- 2:00	7:00-12:15
WOAX	Trenton, N. J.	240	Silent	9:30-11:30	Silent	Silent	Silent	Silent	Silent
WOC	Davenport, Ia.	483.6	10:00- 1:00	7:30-12:45	Silent	7:30-12:15	7:30-11:00	7:30- 1:00	7:30-10:45
WOK	Homewood, Ill.	217.3	11:00- 2:00	7:30-9:30	7:00- 2:00	11:00- 2:00	11:00- 2:00	11:00- 2:00	11:00- 2:00
WOO	Philadelphia, Pa.	508.2	Silent	7:30- 8:30	6:00- 7:00	7:30- 8:30	7:30-12:00	7:30- 8:30	7:30-12:00
WOQ	Kansas City, Mo.	278	9:00-12:00	9:00-10:15	Silent	9:00-10:00	Silent	8:00-10:00	Silent
WOR	Newark, N. J.	405.2	6:15- 8:30	Silent	6:15- 9:30	6:15- 7:30	6:15-10:00	6:15- 7:30	6:15- 7:30
WORD	Batavia, Ill.	275	9:00-10:00	3:30-11:00	Silent	8:00- 1:45	8:00-11:00	9:00-11:30	8:00- 1:45
WOS	Jefferson City, Mo.	440.9	Silent	9:00-10:00	9:00-11:00	Silent	9:00-11:00	Silent	9:00-11:00
WPG	Atlantic City, N. J.	299.8	7:00-12:00	4:15-12:00	7:00-12:00	8:00-12:00	Silent	7:00-12:00	7:00-12:00
WQJ	Chicago, Ill.	447.5	8:00- 4:00	8:00-11:00	Silent	8:00- 3:00	8:00- 3:00	8:00- 3:00	8:00- 3:00
WRC	Washington, D. C.	468.5	7:00-11:30	Silent	Silent	7:00-11:00	Silent	7:00-11:00	Silent
WREO	Lansing, Mich.	285.5	10:00-12:00	Silent	Silent	8:15-10:00	Silent	8:15-10:00	Silent
WRVA	Richmond, Va.	256	Silent	Silent	8:10-10:10	Silent	8:10-11:00	9:30-12:30	7:00-11:00
WRW	Tarrytown, N. Y.	273	9:00-11:30	8:00-11:30	9:00-11:30	9:00-11:30	9:00-11:30	9:00-11:30	9:00-11:30
WSAI	Cincinnati, O.	325.9	8:30-10:15	8:45-11:15	11:00- 1:00	7:30-11:30	11:00- 1:00	8:00-11:00	Silent
WSB	Atlanta, Ga.	428.3	9:00- 1:00	8:30-10:15	9:00- 1:00	9:00- 1:00	11:45- 1:00	9:00- 1:00	9:00- 1:00
WSM	Nashville, Tenn.	282.8	8:15-12:00	8:30- 9:30	8:00-12:00	Silent	8:00-12:00	Silent	Silent
WSMB	New Orleans, La.	319	9:30-11:30	Silent	9:30-12:30	Silent	9:30-11:30	9:30-12:00	Silent
WSUI	Iowa City, Ia.	483.6	Silent	10:15-10:45	8:30-10:00	Silent	Silent	Silent	Silent
WTAG	Worcester, Mass.	268	Silent	4:00-10:15	7:00-11:00	7:45-11:00	7:00-11:00	8:00-11:00	8:00- 9:00
WTAM	Cleveland, O.	389.4	6:00-12:00	Silent	6:00-12:00	6:00- 7:00	6:00-12:00	6:00- 7:00	6:00- 7:00
WTIC	Hartford, Conn.	475.6	6:30-12:00	5:00-10:30	6:30-12:00	Silent	6:30-10:00	6:30- 7:30	6:30-12:00
WWJ	Detroit, Mich.	352.7	Silent	6:20-10:00	6:00- 9:00	6:00- 9:00	6:00-10:00	6:00-12:30	6:00-10:00

ADVANCE PROGRAMS FOR THE WEEK

Saturday, February 6

Headliners Today

Eastern	Central	Mountain	Pacific
7:55 p. m.	6:55 p. m.	5:55 p. m.	4:55 p. m.

WNAC (280.2m-1070kc) Chicago Civic opera.
8 7 6 5
WSM (282.8m-1060kc) Barn dance.
8:30 7:30 6:30 5:30
WBZ (333.1m-900kc) Three Red Heads.
WIP (508.2m-590kc) Vice-President's talk.
WJZ (454.3m-660kc), WRC (468.5m-640kc) Philharmonic society.
8:45 7:45 6:45 5:45
CNRO (434.5m-690kc) Sleigh ride.
9 8 7 6
WFI (394.5m-760kc) Ave Maria mandolin club.
9:30 8:30 7:30 6:30
WBZ (333.1m-900kc) Ruthstrom family band.
10 9 8 7
KFI (468.5m-640kc) Mexican music.
WSAI (325.9m-920kc) Jack Little, Wendell Hall.
10:50 9:50 8:50 7:50
KTHS (374.8m-800kc) South Seas frolic.
12 11 10 9
KPRC (296.9m-1010kc) The Phantoms, Ghosts of the Air.

Saturday, silent night for: CFAC, CFCA, CNRA, CNRC, CNRE, CNRM, CNRR, CNRT, CNRV, CNRW, KFDM, KFEQ, KFKX, KFKU, KFMX, KFUO, KFXF, KLX, KMA, KOAC, KOB, KQP, KSAC, KSO, KTAB, KWSC, WABQ, WCX, WDOD, WEAO, WEBJ, WEBW, WEEI, WGCP, WGST, WHAD, WHAZ, WGR, WHN, WHO, WIP, WJAR, WJAZ, WKAQ, WKAR, WLIT, WLWL, WOAI, WOC, WOS, WRVA, WTAG, WTIC, WWJ.

Eastern Time Stations

CKNC, Toronto, Can. (356.9m-840kc), 4 p. m., CKNC Chamber orchestra, Charles E. Bodley, director; Elsie White, soprano; Bert Petch, reader.

KDKA, Pittsburgh, Pa. (309.1m-970kc), 7:15-8 a. m., exercises, O. Shannon; 5:45 p. m., Daddy Winkum; 6:30, dinner concert, T. J. Vastine conductor; 8:30, concert, Westinghouse band, T. J. Vastine, conductor; Harry M. Hopkins, tenor.

WAHG, Richmond Hill, N. Y. (315.6m-950kc), 12:03 p. m., Rosalin Pass, pianist; 12, Weinzoff's concert orchestra.

WAIU, Columbus, Ohio (293.9m-1020kc), 12-1 p. m., music; 9:15-11, dance music, Allen Hale orchestra.

WBBR, New York, N. Y. (273m-1100kc), 8 p. m., Dr. Hans Haag, violinist; 8:20, L. Marion Brown, soprano; Bible discussion; 8:40, Dr. Hans Haag, violinist.

WBZ, Springfield, Mass. (333.1m-900kc), 7:15 p. m., income tax problems, Thomas McCarry; 8, McEnelly and his Victor Recording orchestra; 8:30, program, three "Red Heads," Hotel Brunswick studio; 9:30, concert, Ruthstrom family band.

WCAE, Pittsburgh, Pa. (461.3m-650kc), 3 p. m., music, Nixon cafe; 6:30, dinner concert, William Penn hotel; 7:30, address; 8, Youngstown artists.

WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., Goldkette ensemble.

WEAF, New York, N. Y. (491.5m-610kc), 6:45, 7, 7:20 a. m., Tower health exercises; 4-5 p. m., dance program; 6-12, dinner music, Hotel Waldorf-Astoria; Ross Gorman and his orchestra, Monte Carlo; Chamber musicale, Grace Leslie, contralto, and Carl Rollins, baritone; Marie Samuell, pianist; Glee clubs, 71st Regiment armory; Hughie Barrett and his orchestra, Hotel Commodore; Vincent Lopez and his orchestra from Casa Lopez.

WEAR, Cleveland, Ohio (389.4m-770kc), 7 p. m., Hotel Statler concert orchestra, Maurice Spitalny, director; 12, Wormack's singing syncopators, Far East restaurant.

WFI, Philadelphia, Pa. (394.5m-760kc), 1 p. m., Tea Room ensemble; 3, Bill Marshes Collegians; 6:30, Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra; 8, talk, auspices Philadelphia County Medical society; 8:10, Trinity Presbyterian church quartet; 9, Ave Maria mandolin club; 9:30, "Abraham Lincoln," Dr. Clarence E. Macartney; 9:45, Mirella Cianci, soprano; 10, WFI concert orchestra.

WGBS, New York, N. Y. (315.6m-950kc), 3 p. m., Ben Goldman and his Boy Scout entertainers; 6:30, Bill Hines and his orchestra; 7, international film arts guild talk, Bill Hines; 7:20, Tommy Tucker, tenor; 8:30, Joe Kahn, tenor; Ruth Friedman, pianist; Michael Saltpeter, violinist; 9, Irish program, Maura Channing, contralto; 10:30, Arrowhead Inn orchestra.

WGCP, New York, N. Y. (252m-1190kc), 3 p. m., Al Sussman's college club orchestra; 4, Southampton entertainers; 8:30, Southampton entertainers; 9:30, Bob McDonald, ukulele soloist; 9:45, June Lee; 10, Yama Yama Boys; 10:30, Strickland's orchestra.

WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., dinner program, Hotel Onondaga; 7:45, bridge lesson, No. 7; 8:25, New York Philharmonic society student symphony series, Willem Mengelberg, conductor; 10:30, dance program.

WHAR, Atlantic City, N. J. (275m-1090kc), 2 p. m., Seaside hotel trio; 7:30, lecture period; 8, Seaside hotel trio.

WIP, Philadelphia, Pa. (508.2m-590kc), 1 p. m., organ recital, Germantown theater; 3, Dal Ruch and his Arcadians; 6:05, Benjamin Franklin hotel concert orchestra; 7, Uncle Wip's bedtime stories; Walter Baker, pianist; Arthur Cohn, violinist; Henry Dorneman, cornetist; 8, sports corner, Dr. Francois D'Eliscu; 8:15, "The Sign of the Skull and Cross Bones," Prof. Ivor Griffith; 8:30, dinner tendered to Vice-President Chas. E. Dawes; 10:05, Benjamin Franklin El Patio dance orchestra; 11:05, organ recital.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Jean Goldkette's Petite symphony orchestra; 9, Jean Goldkette's Victor Recording orchestra; 11:30, Jewett Radio Jesters.

WJZ, New York, N. Y. (454.3m-660kc), 11 a. m., Philharmonic children's concert; 1 p. m., Irwin Abrams' Knickerbocker Grill orchestra; 2:02, discussion of National Republican club; 4:30, Hotel Lorraine Grill orchestra; 7, Bernhard Levitow's Hotel Commodore dinner concert; 8, Cosmo Hamilton's Radio novel; 8:15, James Keith, tenor; 8:25, Philharmonic society's student concert; 10:20, James Keith, tenor; 10:30, George Olsen's Hotel Pennsylvania Grill orchestra.

WLIT, Philadelphia, Pa. (394.5m-760kc), 12:02 p. m., daily almanac; Stanley theater organ recital; Arcadia cafe concert orchestra; 2, Rose Tree cafe dance orchestra; 4:30, Ed. Matthews' entertainers; 7:30, Benjamin Franklin hotel concert orchestra.

WMBF, Miami Beach, Fla. (384.4m-780kc), 7-9 p. m., Fleetwood Radio orchestra; 10-1 a. m., Gene Fosdick and his orchestra; Fleetwood Radio orchestra.

WMCA, New York, N. Y. (340.7m-880kc), 6-6:30 p. m., Olcott Vail and his Hotel McAlpin string ensemble; 6:30-7, Club Caprice orchestra; 7-7:30, The Amphions; 10:30-11, Norman Pearce, readings; 11-12 midnight, Ernie Golden and his Hotel McAlpin orchestra.

WNAC, Boston, Mass. (280.2m-1070kc), 6 p. m., The Smilers, Clyde McArdle, conductor; 6:30, Shepard Colonial dinner dance, Billy Lossez, director; 7:55, Chicago Civic Opera company in "Il Trovatore," Claudia Muzio, Augusta Lenska, Antonio Cortis, Richard Bonelli.

WNYC, New York, N. Y. (526m-570kc), 7 p. m., song recital; 7:35, Seville trio; 8, studio program; 9:30, annual dinner, Real Estate Board of New York.

WOO, Philadelphia, Pa. (508.2m-590kc), 11 a. m., organ recital; 12:02 p. m., Golden's Crystal Tea Room orchestra; 4:45, organ recital; 7:30, A. Candelori's Adelphia orchestra.

WPG, Atlantic City, N. J. (299.8m-1000kc), 1:30 p. m., Hotel Morton music; 3, Atlantic City auto show; 6:45, Arthur Scott Brook, organist; 7, Hotel Ambassador dinner music; 7:30, dance orchestra; Atlantic auto show; 8:15, "Swimming," lesson; 8:30, Haverford college musical clubs; 10, Nick Nichols' dance orchestra; 10:45, Grace Brewer Allen, vaudeville star; 11:30, dance orchestra.

WRC, Washington, D. C. (468.5m-640kc), 11 a. m., children's concert; 12:15, organ recital, Homer L. Kitt studios; 1, Hamilton hotel orchestra, Daniel Chwalow, director; 6, Lee House trio, Sam Udrin, director; 7, Irving Boernstein's Hotel Washington orchestra; 8, Bible talk; 8:30, student's concert, Carnegie hall; 10:30, Crandall's Saturday Nighters; 12-1 a. m., The Spanish Village orchestra.

WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., dinner concert, Speed-Wagon Serenaders; Gold Standard ensemble; 10-12 midnight, special dance program; Speed-Wagon Serenaders, Carl Hall Dewey, director.

WTAG, Worcester, Mass. (268m-1120kc), 10:30 a. m., musical selections; 12:05-2, noonday luncheon music, WTAG orchestra, Will Hardy, director; 3-5, Tea Dansant music; 5:15, "The Twinkle Twinkle Story Teller."

WTAM, Cleveland, Ohio (389.4m-770kc), 12:30-1:30 p. m., lunch hour program, Austin Wylie's Vocalion Recording orchestra; 6-7, dinner hour music, Carl Rupp and his Hotel Hollenden orchestra; 8-9, Hollenden hour, Carl Rupp and his Hotel Hollenden orchestra; 9-12, novelty program, Ev Jones and his Gang.

WTIC, Hartford, Conn. (475.9m-630kc), 6:30 p. m., Skinny and his gang; 6:50, dinner music, Hotel Bond trio; 8, Sunday school period; 8:20, familiar hymns; 9, Helen Virginia Cain, contralto; Estelle Crossman, pianist; Morris Krosnick, violinist; 10:30, Emil Heimberger's Hotel Bond orchestra.

WWJ, Detroit, Mich. (352.7m-850kc), 12:05 p. m., Jules Klein's Hotel Statler orchestra; 3, Detroit News orchestra.

Central Time Stations

CKY, Winnipeg, Can. (384.4m-780kc), 8 p. m., University lecture, Prof. W. F. Osborn; 9, concert, J. A. Banfield Limited.

KFAB, Lincoln, Nebr. (340.7m-880kc), 8:30-10:30 p. m., Schmoller and Mueller musicale.

KFMQ, Fayetteville, Ark. (299.8m-1000kc), 7:30 p. m., University of Arkansas vs. University of Texas basketball game.

KFNF, Shenandoah, Iowa. (263m-1140kc), 7 p. m., concert, Forest City, Lenis R. Glass, director.

KFVE, University City, Mo. (240m-1250kc), 9:15 p. m., amusement review, Romaine Fielding; dramatic readings, Romaine Fielding; special KFVE organist; Solan Nealy; harmonica duo.

KLDS, Independence, Mo. (440.9m-680kc), 8 p. m., concert, Amy E. Winning, organist; Mrs. Otto Grasse, contralto; Mrs. Norma Troje Miller, violinist; Thusnelda Bircsak, pianist; August Zander, basso; 9, request program.

KMA, Shenandoah, Iowa (252m-1190kc), 6-7 p. m., bedtime stories; 9-11, William Howie, organist.

KOIL, Council Bluffs, Iowa (278m-1080kc), 5 p. m., Randall's Royal Fontenelle orchestra; 5:30, McCrory's popular music, Leo Kearse; 6:15, Mona Motor oil entertainers; 6:30, Randall's Royal Fontenelle orchestra; 7:15, U. of Omaha; 7:30, Omaha Conservatory of Music; 11, Hugo Heyn and his Happy Hollow club orchestra; 12 midnight, Indian Pow-Wow.

KPRC, Houston, Texas (296.9m-1010kc), 12 noon, Jack Willrich and his orchestra; 7:30, Bible class, Rev. Claude L. Jones; 8, Frank Tilton, pianist; 11, Phantoms, "Ghosts of the Air."

KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., Grand Central theater; 8:30, Y. M. H. A. orchestra.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9-9:45 p. m., Curtis W. Fish and his old-time fiddler band; 9:45-9:50, Phantom Voice; 9:50-10:45, South Seas frolic; 10:45-11:30, New Arlington orchestra.

KYW, Chicago, Ill. (536m-560kc), 6:30-7 a. m., exercises, Paul A. Leonhardt; 7:30, morning family worship; 12:05 p. m., noonday concert; 1, luncheon concert, Congress hotel; Coon-Sanders' Original Nighthawks; 4, Saturday frolic; 6, dinner music, KDKA; 7:05, bedtime story, Walter Wilson; 7:30, home lovers hour; 11, Congress classic; 11:30-1 a. m., Congress carnival; 1-2, Insomnia club, Coon-Sanders' orchestra.

WAMD, Minneapolis, Minn. (244m-1230kc), 12 m., popular musical program; Charles Cloud, xylophone; Walter Stacheli, pianist; Paul Curtis, saxophone; John Hardy, accompanist; Blueblowers' orchestra; 6:15 p. m., dinner concert, George Osborn and his orchestra; 7:05, talk, "What Prominent Outsiders Think of Minneapolis and the Great Northwest"; 7:10, popular musical program; Harmony Twins, Fred and Bob; Ruth Hokans, contralto; Jerry Harrington, tenor; Bernice Hayeck, accompanist; 11, Skyrocket frolic, George Osborn's orchestra; 12, organ recital, Jack Malerick.

WBBM, Chicago, Ill. (226m-1330kc), 4-6 p. m., Harry and Sandy; Valentino Inn; Jack Penewell; 8-9:30, musical comedy; 9:30-11, Sandy and Harry; Moulin Rouge orchestra; Sy Berg; Fred Jacobson; 11-2 a. m., Sunset male quartet; George Thurn; Two Jays; Lew Russel; Romo Vincent Moulin Rouge orchestra.

WBCN, Chicago, Ill. (266m-1130kc), 10-10:30 a. m., shopping talk, Penny Wise; 3-5 p. m., tea time matinee; Clarence Jones, pianist and song writer; Cecile and Johanna Arends, violinist and pianist; Marie Wright, soprano; 10-11:15, jazz jamboree, Midway Dancing Gardens orchestra; Cameron and Fett, "The Harmony Wizards," harmony duo; Albert Blaha, concertinist; Johnny Special, harmonica acrobat; Elizabeth Emmett Malone, soprano; Jack Parker, tenor; 11:15-12 midnight, King Static's court, Frank H. MacDonald, "King Static," Mary Williams, "Queen Olive," Harry A. Zook, Jr., "Prime Minister"; "Big Boy" Yagle, "Court Jester."

WCAL, Northfield, Minn. (336.9m-890kc), 8:30 p. m., "With the Great Masters," Dr. Carl A. Mellby, St. Olaf college music faculty.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 12:30 p. m, concert, Emmet Long's Golden Pheasant orchestra; 2:30, afternoon concert; 6:15, dinner concert, Emmet Long's Golden Pheasant orchestra; 8, "Firesido Philosophies," Rev. Roy L. Smith, pastor Simpson M. E. church; 8:15, musical program; 10:15, dance program, Willie Erickson's Coliseum orchestra.

WDAF, Kansas City, Mo. (365.6m-820kc), 3:30-4:30 p. m., The Star's string trio; 6-7, address, "Things Our Army Does Besides Fight," H. Edmund Bullis; address, "Water Supply and Hydraulic Engineering," Wynkoop Kiersted; organ music, Pantages theater; music, Trianon ensemble; 11:55-1 a. m., Plantation players; Billy Adair's Kansas City club orchestra; Eddie Kuhn's Kansas City Athletic club orchestra.

WEBH, Chicago, Ill. (370.2m-810kc), 3-4 p. m., special features; 7-8, Oriole orchestra; Howard Neumiller, pianist; 9, Oriole orchestra; 9:45, James Murray, tenor; Marie Kelly, reader; 11-12, Oriole orchestra; Wayne Myers, Frank Greif; 1-2 a. m., Marie Kelly, reader; Kay Ronayne, songs.

WFAA, Dallas, Texas (475.9m-630kc), 3:30-4 p. m., Tom Fowler, violinist; 4:30-5, Cloyd Griswold, songs; 6:30-7:30, Don Bestor's orchestra; 6:55-7, "History of Our Coins," W. A. Philpott, Jr.; 8:30-9:30, program, Commerce, C. E. Conway, director; 11-12 midnight, Jack Gardner's orchestra.

WGES, Oak Park, Ill. (250m-1200kc), 5-7 p. m., basso, tenor, organ; pianist, organ, orchestra; 11-1 a. m., Coyne Serenaders orchestra; Remington Welsh, organist; Eddie Adams, the girl with the uke.

WGN, Chicago, Ill. (302.8m-990kc), 10-10:20 a. m., good health and training; 10:20-11, entertainment for shut-ins; 12:40-2:30 p. m., luncheon concert, Drake concert ensemble; 2:30-3, Lyon and Healy artists' series; 3:30-4:15, tea time music, Marshall Field's tea room orchestra; 5:30-5:57, Skeezix time; 6:30-7, dinner concert, Drake concert ensemble; 8-9, music hour; 9-10, popular program; 10-10:10, Sam 'n Henry; 10:10-10:20, old-time favorites; 10:20-11, dance program, featuring Drake hotel dance orchestra.

WHAD, Milwaukee, Wis. (275m-1090kc), 11 a. m.,

This pretty young lady proves that Louisville has at least one beauty. Her name is Myrtle G. Stinger and her sweet voice has been heard countless times from WHAS.

High Lights of the Week

CHICAGO fans were denied the privilege of hearing the Chicago Civic Opera company during its season in this city, but Boston listeners will hear the entire company give "Il Trovatore." Among the artists appearing are, Claudia Muzio, Augusta Lenska, Antonio Cortis and Richard Bonelli. Another headliner Saturday, is a speech by Vice-President Dawes from WIP, Philadelphia. He is the guest of the Manufacturers' club. If you have not had an old-fashioned sleigh ride this year, you will tune in for CNRO, Ottawa, this same evening and leave for the annual sleigh drive at 8:45 p. m. Eastern time. Stop-overs for old-time square dances will be enjoyed by all.

The opera star featured at WEAF this Sunday, is Charles Hackett, tenor. Fans may hear him at 9:15 p. m. Eastern time on the WEAF chain. The assisting artist with the Copley Plaza orchestra at WBZ, Springfield, is Theresa Sprague.

A traffic squad recruited by Earle Buell is the new feature at WAMD. No word has been received as to what this squad will do, but it is expected that the air will have no squeals nor howls on Monday evenings at 6:30 p. m. Central time, when this group is on the air. Troy Elks expect to meet in the studio of WHAZ between 8 and 9 p. m. Eastern time, for their regular Elks club frolic, Monday.

The Provincetown players are well known in New York for their selections of unusual plays of literary value. They will appear before the microphone of WGBS Tuesday night in "The Dream Play" by August Strindberg. A gay program is scheduled for KOIL, Council Bluffs, Ia., when the Nautical dance orchestra "Seamen without a Ship" embark on the air.

From 6:30 p. m. to 1 a. m. Eastern time Wednesday, a gala program will travel etherways from WTIC, Hartford. Among the special features are the Yale band, the New York Philharmonic ensemble, Arthur Middleton, baritone, and Jeanne Laval, contralto. For those who prefer lighter music, the midnight frolic presents Sherman and Ryan and three young ladies called the Harmony entertainers.

A piano recital of Chopin compositions and a talk "Chopin and His Works" by J. Austin Springer from WGY Thursday, will give Radio fans a better idea of this composer's skill. "Stung" is the amusing title of the dramatic offering of KGO for this same evening. Eight of the famous KGO players will appear before the microphone.

The fifteenth great artist organ recital will be given Friday evening from WAHG. William Edward Zeuch is the artist this week. Lincoln programs are popular for this evening. The Department of English at the U. of Pittsburgh will officiate at KDKA with the KDKA Little symphony orchestra playing civil war melodies. Drinkwater's famous play "Lincoln" will be given by the WMAQ players.

VICE PRESIDENT TO SPEAK AT WIP

Cincinnati fans have known and loved Waldene Johnson for the past two years. She will be the soloist of the Cincinnati community program Monday at WSAI. To the right is a young comedian, who between law classes at the University of Oklahoma, entertains with Scotch jokes of one kind and another at WNAD, the college station. Meet W. H. Thompson, baritone.

Saturday, February 6

pianologue, Andy Hertel; story for children, Faye McBeath; Margaret Cunningham, pianist; Willard Kaleibe, tenor banjo soloist.

WHAS, Louisville, Ky. (399.8m-750kc), 1-2 p. m., Benson trio; 3-3:30, Mrs. Myrtle Fulks Zahn, Jr., organist; 4-5, music box; Martha Pope Robinson, reader; 7:30-9, Arthur Findling, baritone.

WIBO, Chicago, Ill. (226m-1330kc), 10-11 a. m., shoppers' bureau; 2-4 p. m., popular program for shut-ins; 6-8, dinner concert, WIBO trio; Ruth Buhl Flick, reader; North Shore line quartet.

WJAZ, Chicago, Ill. (329.5m-910kc), 9-2 a. m., Opera club dance orchestra.

WJJD, Mooseheart, Ill. (370.2m-820kc), 6-7 p. m., instrumental hour; Howard L. Peterson, organist; the Palmer symphonic players; Palmer House Victorians.

WKAF, Milwaukee, Wis. (261m-1150kc), 8:30-10 p. m., Trixie Ann Troy and her Royal Hawaiians; Hi Coleman's dance orchestra.

WKRC, Cincinnati, Ohio (422.3m-710kc), 10 p. m., Marion McKay and his orchestra, Jack Tilson, singer; 11, violin solos, Eugene Perazzo; 11:15, Marion McKay; 11:45, request piano program.

WLS, Chicago, Ill. (344.6m-870kc), 12-12:45 p. m., Junior R. F. D. roundup program; talk, "Windbreaks and Shelterbelts," Paul C. Porter; talk, "With Our Boy Trappers," Johnnie Muskrat; 7, lullaby time, Ford and Glenn; 7:20, WLS national barn dance; Cornhuskers; WLS barn dance trio, Tom Owens, caller; Ruth Etting; Ford and Glenn; 10:30-1 a. m., WLS Twin Wheeze, Ford and Glenn, and Ralph Emerson.

WLW, Cincinnati, Ohio (422.3m-700kc), 7 p. m., popular organ concert, Johanna Grosse; 7:40, Seckatary Hawking Radio club; 8, Annual banquet and dance, Engineers' association; address, Garrett Burgers; Thomas Thurston, editor of the Nat'l. Eng.; music, Walter Esberger's orchestra; 9:30, dance program, Castle Farm.

WMAQ, Chicago, Ill. (447.5m-670kc), 12 noon, harmonica lesson; 6 p. m., Chicago theater organ; 6:30, Hotel La Salle orchestra; 8, Frederick Daw and Russell Pratt; 8:30, Radio photologue, Harry Hansen; 9, Chicago theater revue; 9:55, University of Chicago chimes.

WMBB, Chicago, Ill. (250m-1200kc), 7-8 p. m., Trianon Duo, Neva Carlson, mezzo-soprano; M. Norris, violinist; Vella Cook, contralto; semi-classical program; 9-11, Trianon orchestra, Dell Lampe, conductor; Woodlawn theater orchestra, Armin F. Hand, conductor; Jack King, Harriette Seeley, popular program.

WMC, Memphis, Tenn. (499.7m-600kc), 7:15 p. m., bedtime stories; 8:30, concert, Dr. George L. Powers, director.

WOAW, Omaha, Nebr. (526m-570kc), 7 p. m., after-dinner hour; 9, classical; 10:30, Frank Hodek and his Nightingale orchestra; 11, Arthur Hays and his organ jubilee.

WOC, Davenport, Iowa (483.6m-620kc), 9-10 p. m., musical program, Mrs. John Malloy, soprano; Norine Murray, soprano; William F. Vesley, trombonist; Louis Crowder, guitarist; 11-12, Le Claire hotel orchestra, Peter MacArthur, baritone.

WOI, Ames, Iowa (270m-1110kc), 12:30 p. m., college chimes.

WOK, Chicago, Ill. (217.3m-1380kc), 4:30-7 p. m., Tearney's Town Club Twilight Dansant; Capitol theater organ; Howard Will, tenor; 10-1 a. m., Tearney's Town Club orchestra; Carl Lorraine's Pershing Palace orchestra; Husk O'Hare's Cocoanut Grove orchestra; Capitol theater program; studio program.

WOQ, Kansas City, Mo. (278m-1080kc), 8-9 p. m., musical program; 10-11 musical healing service.

WORD, Batavia, Ill. (275m-1090kc), 8 p. m., Webster hotel program; trio; speaker.

WQJ, Chicago, Ill. (447.5m-670kc), 3-4 p. m., koffee klatsch; 7-8, Rainbo Gardens orchestra; Prof. Ascan W. Kittner, baritone; 10-3, Rainbo Skylarks; Rose Vanderbosch, soprano; Clarence Theders, tenor; Oxford Girls; Brundage and Kraemer; Thelma Pefferle, soprano.

WRR, Dallas, Texas (246m-1220kc), 12-1 p. m., "Pair of Jacks"; 6-7, Jack Gardner's orchestra; 8-9, novelty program, A. Harris and company; 12-1, George Perfect, organist; Melba theater.

WSAI, Cincinnati, Ohio (325.9m-920kc), 7 p. m., Freda Sanker's orchestra; 7:30, children's stories, Mrs. Ethel Knapp Behrman; 7:50, chime concert, Robert Badgley; 8, international events, Allison F. Stanley; 8:15, The Bicycle Playing Card sextet; 9, Jack Little; Ray-O-Vac Twins.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., Atlanta Atwater Kent hour; 10:45, Hired Help Skylark.

WSM, Nashville, Tenn. (282.8m-1060kc), 6:30 p. m., concert, Francis Craig's orchestra; 7, bedtime story interlude; 8, Uncle Jimmy Thompson and others, in barn dance program.

WSOE, Milwaukee, Wis. (246m-1220kc), 8:30 p. m., Sunday school lesson; 9, Lakefront studio program.

WSUI, Iowa City, Iowa (483.6m-620kc), 7:30 p. m., Minnesota-Iowa basketball game.

Mountain Time Stations

KFWA, Ogden, Utah (261m-1150kc), 4-5 p. m., organ recital, Paramount theater; 5-6, Ogden Radio Dealers' program; 9-10:30, music, Paramount theater; 10:30-12, Olie Reeves and his orchestra.

KOA, Denver, Colo. (322.4m-930kc), 12:15 p. m., Rialto theater musicale; 9, dance program, Harmony Peerless orchestra; 10:30, dance program, Scheuerman's Colorado orchestra.

Pacific Time Stations

KFI, Los Angeles, Calif. (468.5m-640kc), 5:30-6 p. m., Owen Fallon's Californians; 6, Nightly doings; 6:15, KFI's Seeing California; 6:30, vest-pocket program; 6:45, Radiotorial period; 7-8, hour of Mexican music arranged by Felipe Delgado; 8-9, All-American string quartet; 9-10, vocal pupils, Edith Lillian Clark; 10-11, Packard Radio club, featuring popular songs; 11-3 a. m., KFI midnight frolic, Don Meaney, master of ceremonies.

KFOA, Seattle, Wash. (454.3m-660kc), 4-5:15 p. m., afternoon at home program, The Times; today's recipe; 5:15-5:30, around the towne; 9:30-11, Rhodes department store; Jackie Souder's Club Lido Serenaders.

KFON, Long Beach, Calif. (233m-1290kc), 6-6:30 p. m., organ, Brayton's theater; 6:30-7, KFON gossip and amusement information; 7:30-8, Long Beach Municipal band; 8-9, Press-Telegram program; 9-11, Echophone entertainers frolic.

KFWB, Hollywood, Calif. (252m-1190kc), 8-9 p. m., Warner Brothers' Syncopators; Eunice Wynn, soprano; Ray Kellogg, Bill Hatch, the jazz twins; Ashley sisters in vocal duets; 9-10, Frank Stever, baritone; Gertrude Redman, soprano; Le Roy Kullberg and his banjo; 10-11, Warner Brothers' frolic, direction Charlie Wellman.

KGW, Portland, Ore. (491.5m-610kc), 10-11:30 a. m., town crier; music; 12:30-1:30, concert, Oregon Radio Trades association; 6-7, dinner concert, Olds Wortman and King company; 9-12, dance music, Multnomah hotel; piano solos, Curt Kremer.

KHJ, Los Angeles, Calif. (405.2m-740kc), 6-6:30 p. m., Leighton's Arcade cafeteria orchestra, Jack Cronshaw, leader; 6:30-7:30, history story, Prof. Hertzog; Dollie Wright, David Durand, Henrietta Poland and Uncle John; 8-10, program, Motor Transit company.

KJR, Seattle, Wash. (384.4m-780kc), 1:30-3 p. m., organ recital, Columbia theater; 8:30-10, L. C. Warner company program, featuring artists; 10-12, Henry Halstead's Victor Recording orchestra.

KLX, Oakland, Calif. (508.2m-590kc), 7-7:30 p. m., news.

KMTR, Hollywood, Calif. (238m-1260kc), 6-7 p. m., Starr Piano company studio; 8-10, the Turner orchestra, Loren Powell, director; Neil Russell, baritone.

KNX, Hollywood, Calif. (336.9m-890kc), 5-5:30 p. m., Sunny Jim's talk; 5:30, First Presbyterian church organ; 5:55, Town Tattler; 6:15, travel talk, W. F. Alder; 6:30-7, Atwater Kent concert orchestra; 7, stories of insect life, H. W. McSpadden; 7:15, church announcements; 7:30-8, half-hour of musical gems; 8-9, program, Broadway Department store; 9-10, KNX feature program; 10-11, Ambassador hotel dance orchestra; 11-2 a. m., Filmland frolickers.

KOAC, Corvallis, Ore. (280.2m-1070kc), 7:15 p. m., University of Idaho-Oregon Agricultural college basketball game.

KPO, San Francisco, Calif. (428.3m-700kc), 7, 7:30, 8 a. m., daily dozen exercises, Y. M. C. A.; 10:30, "Ye Towne Cryer"; 12 noon, scripture reading; 1-2 p. m., Rudy Seiger's Fairmont hotel orchestra; 2:30-3:30, Victor Lichtenstein and his violin ensemble; 3:30, Palace hotel concert orchestra, Cyrus Trobbe, director; 6:30, "Ye Towne Cryer"; 6:35-7:30, Waldemar Lind and the States Restaurant orchestra; 8-12, Fairmont hotel dance orchestra, Reg Code, director.

KPSN, Pasadena, Calif. (315.6m-950kc), 8-9 p. m., Star-News concert; 9-10, dance orchestra, Maryland hotel.

KTAB, Oakland, Calif. (240m-1250kc), 9-9:30 a. m., prayer service, Rev. E. L. Spaulding; 12-1 p. m., luncheon concert program.

Sunday, February 7

Headliners Today

Eastern	Central	Mountain	Pacific
7 p. m.	6 p. m.	5 p. m.	4 p. m.

WBZ (333.1m-900kc) Theresa Sprague.

8:30	7:30	6:30	5:30

WCAU (278m-1080kc) Bonwit Teller Light Opera company.

9	8	7	6

WTIC (475.9m-630kc) Concert.

9:15	8:15	7:15	6:15

WEAF (491.5m-610kc), WEEI, WCAP, WJAR, WGR, WCAE, WSAI, WWJ, WOC, WCCO, WGN, WEAR, KSD, WTAG, WOO, Atwater Kent program, Charles Hackett, tenor.

10	9	8	7

WJZ (454.3m-660kc), WGY (379.5m-790kc) Godfrey Ludlow, organist.

11	10	9	8

KTHS (374.8m-800kc) Arkansas Traveler Train frolic.

12	11	10	9

KFWB (252m-1190kc) Movie frolic.

KNX (336.9m-890kc) Calmon Luboviski, violinist.

12:30 a. m.	11:30	10:30	9:30

KTHS (374.8m-800kc) Organ classic.

Sunday, silent night for: CFAC, CHIC, CKNC, CNRA, CNRC, CNRE, CNRM, CNRO, CNRR, CNRT, CNRV, CNRW, KFAB, KFAU, KFKX, KFKU, KFMQ, KFOA, KFVE, KFWA, KLX, KMA, KMTR, KOAC, KOB, KSAC, KSO, KWSC, PWX, WABQ, WAHG, WCAD, WCX, WDAF, WEAO, WEBJ, WEBW, WFI, WGES, WGHB, WGST, WHAD, WHAS, WHAZ, WIP, WJAZ, WJJD, WKAF, WKAQ, WKAR, WMAQ, WMC, WNYC, WOI, WRC, WRVA, WSB, WTAM.

Eastern Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 11 a. m., services; 4 p. m., organ recital, Dr. Charles Heinroth; 4:45, vesper service, Shadyside Presbyterian church, Rev. Hugh Thomson Kerr, pastor; 6:30, dinner concert; 7:45, services.

WBAL, Baltimore, Md. (246m-1220kc), 6:30-7:30 p. m., twilight program; WBAL, concert orchestra, Gustav Klemm, conductor.

WBBR, New York, N. Y. (273m-1100kc), 10 a. m., Watchtower instrumental trio, M. Carment, C. Park, G. Twaroschk; 10:15, Sunday school lesson, S. M. Van Sipma; 10:35, Watchtower instrumental trio; 10:45, I. B. S. A. choral singers; 11, Bible lecture, "The Holy Spirit—Is It a Person?" W. L. Pelle; 11:30, I. B. S. A. choral singers; 2 p. m., Watchtower orchestra; 2:30, L. Marion Brown, soprano; 2:40, Watchtower orchestra; 3, Bible lecture, "World-wide Peace at Hand," W. L. Pelle; 3:30, L. Marion Brown, soprano; 3:40, Watchtower orchestra; 9, Watchtower string quartet; 9:15, Bible questions and answers; 10, L. Marion Brown, soprano; 10:15, Watchtower string quartet.

WBZ, Springfield, Mass. (333.1m-900kc), 10:55 a. m., South Congregational church services, Rev. James Gordon Gilkey, pastor; music, Prof. Wilson P. Moog, organist and choir of 24 voices; quartet, Mrs. Grace R. Donovan, soprano; Mrs. Nora Gladden Winton, contralto, William L. Spittal, tenor; Albert Edwards, bass; 7 p. m., concert, Copley Plaza orchestra, W. Edward Boyle, director; assisting artist, Theresa Sprague, soprano; 8, "Canada in the Empire," Sir George E. Foster.

WCAP, Washington, D. C. (468.5m-640kc), 11 a. m., services, Central Presbyterian church of Washington, Rev. James H. Taylor, pastor; 4 p. m., service, Bethlehem chapel; 6:20-7:20, chamber musicale, vesper string ensemble; 7:20-9:15, Capitol theater program, WEAF; 9:15-10:15, Atwater Kent hour, Charles Hackett, tenor; Myron Jacobson, accompanist.

WCAU, Philadelphia, Pa. (278m-1080kc), 5 p. m., recital; 5:15, Undenominational church services; 5:25, "Appearance of Animals and Man on the Stage," Rev. John W. Stockwell; 5:35, recital; 5:45, "Nothing Hidden," Rev. John W. Stockwell; 6:45, Clarence Seaman and his Hotel Pennsylvania orchestra; 7:45, Cathay concert orchestra; 8:30, Bonwit-Teller light opera company; 9, Potash and Perlmutter.

WCX, Detroit, Mich. (516.9m-580kc), 7:15 p. m., church service.

WEAF, New York, N. Y. (491.5m-610kc), 2 p. m., Sunday Radio service, Greater New York Federation of Churches, Rev. Herbert F. Laflamme, presiding; Mildred Bryars, contralto; Albert Miller, tenor; Arthur Billings Hunt, baritone; musical program, Mendelssohn's "Elijah"; address, Rev. Frederick W. Evans, pastor Harlem-New York Presbyterian church; 3-4, young people's conference, Marble Collegiate church; 4-5, men's conference; address, Dr. S. Parkes Cadman; music, Gloria Trumpeters; George Betts, chime soloist; Mr. and Mrs. Howard Wade Kimsey, song leader and pianist; 7:20-9:15, special musical program, Capitol theater; 9:15-10:15, Atwater Kent hour.

WEAR, Cleveland, Ohio (389.4m-770kc), 3:30 p. m., Goodyear concert orchestra; 7, Park theater orchestra; 7:45, Fireside hour; 8:30, Vincent Percy organ recital; 9:15, Atwater Kent hour.

WEEI, Boston, Mass. (348.6m-860kc), 10:50 a. m., Old South church; 2 p. m., Golden Rule hour; 3, Chamber of Commerce organ recital; 4, Y. M. C. A., WEAF; 6:20, Ecker concert group; 7:20, Major Bowes and his Capitol family; 9:15, Atwater Kent Radio hour.

WFI, Philadelphia, Pa. (394.5m-760kc), 10:20 a. m., services, Arch Street M. E. church; 4:30 p. m., services, Central Y. M. C. A.

WGCP, New York, N. Y. (252m-1190kc), 7 p. m., Dulcemenians; 7:30, Milton Yokeman, tenor; Madeline Freeman, soprano; 8, Bernard Share, violinist; Bernard Retskin, pianist; studio program; 8:55, health talk; 9, Strickland's orchestra.

WGY, Schenectady, N. Y. (375.5m-790kc), 10:30 a. m., services, First Lutheran church, Rev. Herbert D. Shimer, pastor; 3 p. m., musical program, Syracuse, N. Y.; 5, organ recital, Dr. Frank Sill Rogers, T. Roy Keefer, violinist; 7:30, service, First Lutheran church; 9, WJZ studio program; 10, Godfrey Ludlow, violinist, WJZ.

WHAR, Atlantic City, N. J. (275m-1090kc), 10:45 a. m., morning service, Chelsea Baptist church; 2:15 p. m., sacred recital, Seaside hotel trio; 2:45, sermon; 7:50, Chelsea Baptist church.

WHN, New York, N. Y. (361.2m-830kc), 11:30-12:30 p. m., Calvary morning services; 12:30, Lexington organ recital; 2-3, Queens County Christian Endeavor program; 3-4:30, Radio Bible class; 5-5:30, Roseland dance orchestra; 7:30-9:45, Calvary evening service; 10:15-10:45, Anatol Friendland; 10:45-11:15, Janssen's Hofbrau orchestra; 12-12:30, Harry Richman and his entertainers.

WIP, Philadelphia, Pa. (508.2m-590kc), 10:45 a. m., services, Holy Trinity church; 4 p. m., "You Americans," Ada Ward.

WLIT, Philadelphia, Pa. (394.5m-760kc), 2 p. m., Arcadia cafe concert orchestra, Prof. Feri Sarkoziz, director; 6:30, Benjamin Franklin hotel concert orchestra; 7, Benjamin Franklin hotel organ recital.

WMAK, Buffalo, N. Y. (266m-1130kc), 10:25 a. m., morning service, First Presbyterian church, Rev. Stewart M. Robinson, pastor; 7:30 p. m., evening service, Churchill tabernacle Rev. Clinton Churchill, pastor.

WMBF, Miami Beach, Fla. (384.4m-780kc), 7-9 p. m., Fleetwood Radio orchestra; 10-1 a. m., Gene Fosdick and his orchestra; Fleetwood Radio orchestra.

WMCA, New York, N. Y. (340.7m-880kc), 11-12 noon, services, Fifth Church of Christ, Scientist; 5:30-6 p. m., Lou Gold's Woodmansten Inn orchestra; 6-7, Roemer's Homers; 7-7:30, Ernie Golden and his Hotel McAlpin orchestra; 7:30-8, Olcott Vail and his Hotel McAlpin string ensemble; 9:30-10, Donald Flamm's frolickers.

WOO, Philadelphia, Pa. (508.2m-590kc), 2:15 p. m., musical exercises, Bethany Sunday school; 6, organ recital, Clarence Bawden; 9:15, Atwater Kent hour of music.

WPG, Atlantic City, N. J. (299.8m-1000kc), 3:15 p. m., Arthur Scott Brook, organist; Mrs. Fred Plum, soprano; 4:15, St. James' Episcopal church; 9:15, Hotel Ambassador concert orchestra; 10, Arthur Scott Brook, organist.

WREO, Lansing, Mich. (285.5m-1050kc), 10 a. m., chimes, Belfry Plymouth Congregational church; 10:30, services, First Baptist church, Rev. Ralph W. Hobbs, pastor; Mrs. Henry Chambers, organist; 7 p. m., services, Central M. E. church; Rev. Frank Kingdon, pastor; James Tillotson, organist.

WTAG, Worcester, Mass. (268m-1120kc), 4-5:30 p. m., men's conference; addreess, Dr. S. Parkes Cadman; questions answered; music, Gloria Trumpeters, George Betts, chime soloist, and Mr. and Mrs. Howard Wade Kimsey, baritone and accompanist; 7:20-9:15, musical program, Maj. Edward Bowes and Capitol family; vocal and instrumental artists; 9:15-10:15, Atwater Kent hour, WEAF.

WTIC, Hartford, Conn. (475.9m-630kc), 9 p. m., Weyland Echols, tenor; Fred Patton, baritone.

WWJ, Detroit, Mich. (352.7m-850kc), 11 a. m., St. Paul's Episcopal cathedral; 2 p. m., Detroit News orchestra; 7:20, Capitol theater family; 9:15, operatic stars.

Central Time Stations

CKY, Winnipeg, Can. (384.4m-780kc), 7 p. m., service, Knox United church; 9, studio program.

WAMD TRAFFIC SQUAD TO CLEAR AIR

Sunday, February 7

KFAB, Lincoln, Nebr. (340.7m-880kc), 12-2 p. m., orchestra entertainment; 4-5:30, vesper service; 9-11, Sunday evening musicale.

KFNF, Shenandoah, Iowa (263m-1140kc), 10:45 a. m., morning worship, First M. E. church; 2:30 p. m., Golden Rule song esrvice; 3, Methodist Sunday school; 6:30, Golden Rule Circle, regular services; 7:30, Christian church, services.

KFRU, Columbia, Mo. (499.7m-600kc), 7:30 a. m., sunrise program, Nellie Lee Holt; 9:20, Burral Bible class, Jessie L. Burrall; 7:30 p. m., student service, First Baptist church, Luther Wesley Smith, minister.

KFUO, St. Louis, Mo. (545.1m-550kc), 4 p. m., "Weep Not"—Comfort Against Death and the Grave, Rev. A. P. Feddersen; 9:15, "I Know That My Redeemer Liveth," Rev. P. Hansen.

KLDS, Independence, Mo. (440.9m-680kc), 11 a. m., studio service; ladies quartet, Mrs. John Watkins, soprano; Mrs. James Gault, soprano; Mrs. Mark Siegfried, contralto; Mrs. Madge Kueffer, contralto; Irene Burroughs, violinist; 3, sacred program, Watson Memorial M. E. church; Watson Memorial choir; ladies' quartet; Edward Schowengerdt, baritone; Hazel Cook, organist; Mrs. F. W. Rucker, soprano; sermonet, Rev. W. E. Brown; 6:30, vesper service; Madge Nesbitt, soprano; Velma Nunn, contralto; O. C. White, tenor; Albert Brackenbury, basso; Wesley Brocaw, saxophonist; sermonet, Evangelist U. W. Greene; 9:15, Stone church chorus choir; Stone church male chorus; Elizabeth Smith, harpist; Margaret Armstrong, soprano; sermon.

KMA, Shenandoah, Iowa (252m-1190kc), 4-5 p. m., men's gospel team; 5-6, Bible class, G. H. Van Houten.

KOIL, Council Bluffs, Iowa (278m-1080kc), 11 a. m., First Congregational church; 1 p. m., Fontenelle orchestra; 7:15, The Sleepy Time Girl; 7:30, Monday Musical club; 11, College club orchestra.

KPRC, Houston, Tex. (296.9m-1010kc), 3 p. m., Christian Science lecture; 7:30, South End Christian church; Coralie Gregory, director of music; 9:30, Victor Alessandro and his first band.

KSD, St. Louis, Mo. (545.1m-550kc), 6:15 p. m., St. Louis Dispatch concert orchestra; 8:15, Atwater Kent Radio hour.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 11 a. m., First Baptist church; 9-10 p. m., Meyer Davis' grand ensemble; Edward Richter, cellist; 10-11:30, Arkansas Traveler special train frolic, Benny Ford and his musical train crew; 11:30-12:30, Lawson Reid, organist.

KYW, Chicago, Ill. (536m-560kc), 11 a. m., Central church service; 2:30 p. m., Chicago church federation; 4:30, studio concert, Edwin Harper, director; 7-9:15, Sunday evening club concert; Dr. Robert E. Speer, speaker.

WAFD, Port Huron, Mich. (275m-1090kc), 10-11:30 a. m., church service; 6-7 p. m., organ recital.

WAMD, Minneapolis, Minn. (244m-1230kc), 10:30 a. m., First Unitarian church services, John Dietrich, pastor; 7:01 p. m., Arthur H. Faust; 9:30, Gayle Wood, Harmony Hurricane.

WBBM, Chicago, Ill. (226m-1330kc), 12:30-2 p. m., William Zimmer, tenor; Kantor A. Kritz; Sandy Meek and Harry Sosnik; Edna Wheeler Ballard, harpist; Moulin Rouge operatic quartet; 4-6, Shayne's Melody Monarchs; Lavergne and Shayne, xylophonists; Pete Kules; Tip trio; Ziegler; Harold Anderson; 8-10, Sunset male quartet; WBBM string trio; Moulin Rouge orchestra; 12-2 a. m., Nutty club; Moulin Rouge orchestra.

WBCN, Chicago, Ill. (266m-1130kc), 10:30 a. m.-12 noon, morning service, People's Liberal church; talk, Rev. Rufus A. White; 4-5 p. m., Dain & Son classical hour; Velma Cook, soprano; Oriental quartet; male harmony group; Robert Stronach, pipe organist; 7:45-9:15, evening services, Thoburn M. E. church, 40-piece Thoburn semi-symphony orchestra, 80-voice choir, special vocal soloist, speaker.

WCAL, Northfield, Minn. (336.9m-890kc), 8:30 a. m., Norwegian church services; 9:15, speaker, Dr. Martin Hegland.

WCBD, Zion, Ill. (344.6m-870kc), 8 p. m., junior choir; mixed quartet; cornet quartet, assisted by Chester Bagg, baritone; Miss Reynolds and Mr. Bagg, soprano and baritone; Mrs. Beatrice Been, soprano; Mrs. Kathryn Crowe, contralto; Messrs. Newcomer and Stewart, cornet duet; Erwin Rendall, flute; readings and piano duets.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 10:50 a. m., Hennepin Avenue M. E. church, Rev. Lucius H. Bugbee, pastor; 4:10 p. m., House of Hope Presbyterian church, Rev. H. C. Swearingen, pastor; 6:20, Second Church of Christ, Scientist; 8:15, Atwater Kent program, WEAF; Charles Hackett, tenor.

WDAF, Kansas City, Mo. (365.6m-820kc), 4-4:45 p. m., WDAF's Sabbath vespers, Church of Our Redeemer, Lutheran, Rev. H. Dierks, pastor.

WDOD, Chattanooga, Tenn. (256m-1170kc), 7:30-9 p. m., services.

WEBH, Chicago, Ill. (370.2m-810kc), 10:45 a. m., Seventh Church of Christ, Scientist; 7-8 p. m., aritsts' program.

WGES, Oak Park, Ill. (250m-1200kc), 7:40 p. m., Moody Bible institute program; 11-12 midnight, organ, sacred, classical.

WGN, Chicago, Ill. (302.8m-990kc), 10:45-11:45 a. m., Uncle Walt; 11:45-1 p. m., Chicago theater organ recital; 1-2, Chicago theater feature program; 2-3, Lyon and Healy organ recital; 3-4, Chicago Philharmonic orchestra, North Side Turner hall; 4-5, Chicago Musical college concert; 8:15-9:15, Atwater Kent program, WEAF; 9:15-10, popular program.

WHAD, Milwaukee, Wis. (275m-1090kc), 3:15 p. m., Turnverein symphony orchestra.

WHAS, Louisville, Ky. (399.8m-750kc), 9:57 a. m., organ prelude; 10, Fourth Avenue Presbyterian church; 4:30-5:30 p. m., Evensong choral service.

WHO, Des Moines, Iowa (526m-570kc), 11 a. m., church service; 4-6 p. m., Christian Science lecture, First Church of Christ, Scientist, William W. Porter; 7:30-8:30, Reese-Hughes orchestra, Hotel Fort Des Moines.

WHT, Chicago, Ill. (399.8m-750kc), 12-10:30 p. m., Paul Rader.

WIBO, Chicago, Ill. (226m-1330kc), 2-4 p. m., Chester Newman, baritone; Mildred Perlin, reader; WIBO string trio; 6-8, sacred songs, Walter Preston; Fred Nobel, cornetist; Earl Bigelow, pianist; WIBO trio.

WJAZ, Chicago, Ill. (329.5m-910kc), 7-9 p. m., symphony orchestra.

WJJD, Mooseheart, Ill. (370.2m-820kc), 7:45-8:45 a. m., Catholic services; 9:40-10:30, Protestant services; 3-4 p. m., Mooseheart Sunday concert.

WKAF, Milwaukee, Wis. (261m-1150kc), 4-6 p. m., Jean Hammond and her Tune Tinkers; Orpheum male quartet.

WKRC, Cincinnati, Ohio (422.3m-710kc), 6:45 p. m., Walnut Hills Christian church services, Rev. J. J. Castleberry; 10, classical program, vocal and instrumental numbers; 11, Marion McKay and his orchestra, dance music.

WLIB, Chicago, Ill. (302.8m-990kc), 5:15-8:15 p. m., studio program, mixed and male quartets; string trio; Correll and Gosden.

WLS, Chicago, Ill. (344.6m-870kc), 6 p. m., prelude; 7-7:55, WLS Little Brown Church in the Vale; Little Brown church choir; Ralph Emerson, organist.

WLW, Cincinnati, Ohio (422.3m-700kc), 9:30 a. m., Sunday school, Editorial Staff of Sunday School Publications of the Methodist Book concern; 11, morning worship, Seventh Presbyterian church, Jesse Halsey, pastor; 3 p. m., organ recital, John J. Fehring; 7:30, services, First Presbyterian church of Walnut Hills, Dr. Frederick McMillan, pastor; 8:30, concert program, H. & S. Pogue company orchestra, Walter Esberger, director.

WMBB, Chicago, Ill. (250m-1200kc), 3-5 p. m., Trianon orchestra, Dell Lampe, conductor; Woodlawn theater orchestra, Armin F. Hand, conductor; Lucille O'Hara, Bob Duffy, Earl Smith, popular concert; 7:40-9, Fifth Church of Christ, Scientist, services; 9-11, Trianon orchestra, Dell Lampe, conductor; Woodlawn theater orchestra, Armin F. Hand, conductor; J. T. Carney, Bob Bennett, popular program.

WOAI, San Antonio, Tex. (394.5m-760kc), 11 a. m., services, First Presbyterian church; 7:45, Central Christian church.

WOAN, Lawrenceburg, Tenn. (282.8m-1060kc), 9-10 p. m., C. S. T. male quartet, sacred songs.

WOAW, Omaha, Nebr. (526m-570kc), 9 a. m., chapel service; 1:30 p. m., matinee program; 6, Bible study period, Mrs. Carl R. Gray; 9, chapel service.

WOC, Davenport, Iowa (483.6m-620kc), 1-2 p. m., Palmer Little symphony; 6:30-7:30, St. John's Methodist Episcopal church; 8:15-9:15, Atwater Kent Radio artists, WEAF; 9:45-11:45, Palmer Little symphony.

WOI, Ames, Iowa (270m-1110kc), 10:45 a. m., college chimes; 11, chapel services, Dr. Ben H. Hibbard.

WOK, Chicago, Ill. (217.3m-1380kc), 6 p. m.-1 a. m., Tearney's Town Club orchestra; Carl Lorraine's Pershing Palace orchestra; Husk O'Hare's Cocoanut Grove orchestra; Capitol theater complete musical program; studio program; 1-2, Tearney's Town Club orchestra; Carl Lorraine's Pershing Palace orchestra; Husk O'Hare's Cocoanut Grove orchestra; studio program.

WOQ, Kansas City, Mo. (278m-1080kc), 11 a. m.-12:30 p. m., services; 7-7:45, services.

WORD, Batavia, Ill. (275m-1090kc), 10 a. m., sacred songs; 2:30 p. m., Chicago Rapid Transit company; 3:30, address, O. R. Moyle; 7, I. B. S. A. choral singers; 9, Milwaukee I. B. S. A. choral singers.

WQJ, Chicago, Ill. (447.5m-670kc), 9:30-11:30 a. m., People's church; 3-4 p. m., Sunday concert, Resurrection church choir; 8-10, Rainbo Gardens orchestra; Fontella duo; Sheppard Levine, tenor; Pierson Thal, pianist; Grace Wallace, soprano; Madeline Ruff, pianist; Herman J. Techentine, baritone; Jean Carlson, soprano.

WRR, Dallas, Tex. (246m-1220kc), 10-11 p. m., light opera.

WSAI, Cincinnati, Ohio (325.9m-920kc), 3-4:30 p. m., address, Dr. S. Parkes Cadman, pastor, Central Congregational church; music, Gloria Trumpeters; George Betts, chimer; 7:45, chime concert, Robert Badgley; 8, sermonette, Rev. John D. Christie, pastor Mt. Auburn Presbyterian church; 8:15-9:15, Atwater Kent hour, WEAF; featuring Charles Hacket, tenor; accompanied by Myron Jacobson; 9:15, orchestra, Sigmund Culp, director, Union Central Life.

WSB, Atlanta, Ga. (428.3m-700kc), 5 p. m., Second Baptist church.

"Yo Ho and a Bottle of Rum." We are afraid the prohibition officers will censor this picture, but here is Bloody Bill McDonnell, Captain of the Pirate Ship which sails the ether waves at WBCN, Chicago, on Tuesday nights. "Ukulele Kitty" Throckmorton, left, is one of the most popular entertainers at WRC, Washington.

WSM, Nashville, Tenn. (282.8m-1060kc), 10:30 a. m., First Presbyterian church services, Dr. James I. Vance, pastor.

WSUI, Iowa City, Iowa (483.6m-620kc), 9:15 p. m., familiar hymns, Mrs. L. G. Lawyer.

Mountain Time Stations

CFAC, Calgary, Can. (435.8m-688kc), 7 p. m., First Baptist church, Rev. Dr. H. H. Bingham.

KOA, Denver, Colo. (322.4m-930kc), 10:55 a. m., Trinity M. E. church service, Dr. Loren M. Edwards, pastor; Shad J. Tinsley, organist; Ina Rains, soprano; Mrs. Hazel Engle Youngs, contralto; Frank W. Farmer, tenor; Everett E. Fostor, baritone; 3 p. m., afternoon music hour; recital, Trinity M. E. church, Shad J. Tinsley, organist; 7:40, Trinity M. E. church service.

KXKF, Colorado Springs, Colo. (250m-1200kc), 7:30-9 p. m., First Methodist church services.

Pacific Time Stations

KFI, Los Angeles, Calif. (468.5m-640kc), 6:30 p. m., Nightly doings; 7-8, Norman Kobler and his dance orchestra; 8-9, Angelus string trio, Emma Kimmel, soprano; 9-10, Mabelle Hein and her Blue Bird band; 10-11, Packard Six dance orchestra.

KFON, Long Beach, Calif. (233m-1290kc), 2:30-4 p. m., Long Beach Municipal band; 6-6:30, organ, Brayton's theater; 6:30-7, amusement information; 7:45-9, service, First Church of Christ, Scientist.

KFWB, Hollywood, Calif. (252m-1190kc), 9-11 p. m., late news followed by Warner Brothers' Sunday night movie frolic, Lake Arrowhead dance orchestra and entertainers.

KGO, Oakland, Calif. (361.2m-830kc), 11 a. m., First Unitarian church; 3:30 p. m., KGO little symphony orchestra; 8, First Unitarian church.

KGW, Portland, Ore. (491.5m-610kc), 11-12 noon, The Church of Our Father services, Unitarian; 7:25-9 p. m., First Presbyterian church services; 9-10, concert, Chevrolet symphony orchestra.

KHJ, Los Angeles, Calif. (405.2m-740kc), 4-5 p. m., Masonic service; 6:30-7, Leighton's Arcade cafeteria orchestra, Jack Cronshaw, leader; 7-7:30, First Methodist Episcopal church, Arthur Blakely, organist; 8-10, program, Martin music company; Ruth Pitts, soprano, John Martin, concert pianist.

KNX, Hollywood, Calif. (336.9m-890kc), 2-4 p. m., Park Board program, Westlake park; 6:30-7, Unitarian church service; 7-8, First Presbyterian church of Hollywood; 8-9, Ambassador hotel concert orchestra, Josef Rosenfeld, leader; 9-10:30, program, Beverly Hills Nurseries, Calmon Luboviski, concert violinist.

KPO, San Francisco, Calif. (428.3m-700kc), 9:45-10:45 a. m., Undenominational and Nonsectarian church services; talk, Dr. J. W. Payne; Mabel Turner Payne, soprano; Uda Waldrop, organist; 5-6 p .m., organ recital, Marshall W. Giselman; 6-6:30, Waldemar Lind and the States Restaurant orchestra; 6:35-8:35, Palace hotel concert orchestra, Cyrus Trobbe, director; 8:35-10, Rudy Seiger's Fairmont hotel orchestra.

KPSN, Pasadena, Calif. (315.6m-950kc), 6:45-8:45 p. m., Presbyterian church service; 8:45-9:45, Maryland artists' ensemble, Henri J. Van Praag, director.

KTAB, Oakland, Calif. (240m-1250kc), 9-9:30 a. m., Bible lecture, Prof. E. G. Linsley; 11-12:30 p. m., church service; 7:45-9:15, church service; 9:30-11, after-service concert.

Monday, February 8

Headliners Today

Eastern	Central	Mountain	Pacific
7:30 p. m.	6:30 p. m.	5:30 p. m.	4:30 p. m.
WAMD (244m-1280kc) Traffic Squad.			
8	7	6	5
WHAZ (379.5m-790kc) Troy Elks' night.			
8:30	7:30	6:30	5:30
WBZ (333.1m-900kc) Quartet of fretted instruments.			
9	8	7	6
KDKA (309.1m-970kc) Ruud light opera hour.			
WDAF (365.6m-820kc) Ivanhoe band.			
WNYC (526m-570kc) Shorthand contest.			
9:15	8:15	7:15	6:15
WTIC (475.9m-630kc) Rollicking sea songs.			
10	9	8	7
KTHS (374.8m-800kc) Musical comedy hour.			
WEAF (491.5m-610kc), WOO, WJAR, WCAP, WTAG, WCAE, WSAI, Grand opera, "Thais."			
WPG (299.8m-1000kc) Galen Hall trio.			
10:30	9:30	8:30	7:30
KWSC (348.6m-860kc) Special piano program.			
WTIC (475.9m-630kc) Travelers' symphonic ensemble.			
11	10	9	8
KOA (322.4m-930kc) Voice culture.			
12	11	10	9
KFI (468.5m-640kc) Special program.			
KHJ (336.9m-890kc) Old-time minstrel show.			

Monday, silent night for: CNRA, CNRC, CNRE, CNRM, CNRO, CNRR, CNRT, CNRV, CNRW, KFAU, KFDM, KFEQ, KFMQ, KFMX, KFWA, KHJ, KLDS, KYW, PWX, WBBM, WBCN, WCAD, WCBD, WEAO, WEBH, WEBJ, WEBW, WENR, WGBS, WGES, WGN, WHAS, WHT, WIBO, WIP, WJAZ, WJJD, WKAQ, WLIB, WLS, WMAQ, WMBB, WOAI, WOC, WOK, WORD, WQJ, WRC, WREO.

Eastern Time Stations

CKNC, Toronto, Can. (356.9-840kc), 8-10 p. m., Chamber music hour; Toronto conservatory instrumental trio: Frank Blachford, violinist, Leo Smith, cellist, Alberto Suerrero, pianist; Arthur Blight, baritone.

KDKA, Pittsburgh, Pa. (309.1m-970kc), 7:15, 8 a. m., exercises, O. Shannon; 5:45 p. m., children's period; 6:30, dinner concert; 8:15, University of Pittsburgh address; 9, Rudd Light Opera hour.

WABQ, Haverford, Pa. (261m-1150kc), 11 p. m., Ardmore theater organ; William Stewart, pianist; Horace Hustler, organist.

WAHG, Richmond Hill, N. Y. (315.6m-950kc), 12:03 p. m., Grebe matinee trio; 7:30, piano recital; 8, Synchrophase hour; 9, travel talk, Major Dent Atkinson; musical classes, A. W. Bennett; 9:30, musicale; 10:03, studio program; 10:20, Joe Zimmerman's orchestra; 12, popular program.

WBAL, Baltimore, Md. (246m-1220kc), 6-6:30 p. m., children's program, "The Children Lost in the Woods," Hazel Knox; 6:30-7:30, dinner program, WBAL dinner orchestra, Robert P. Lula, conductor; 7:30-8, organ recital, Frederick D. Weaver, organist; 8-9, musical program, Mary Muller Fink, harpist; Evelyn Upp, violinist; Helene Broemer, cellist; 9-9:10, Swepson Earle, conservation commissioner; 9:10-10, musical program, Edith Reinhardt, soprano; Helen Weishampel, pianist.

WBBR, New York, N. Y. (273m-1100kc), 8 p. m., Jubilee entertainers; 8:10, news digest; 8:20, Jubilee entertainers; 8:30, Bible instruction; 8:40, Jubilee entertainers.

WBZ, Springfield, Mass. (333.1m-900kc), 6:30 p. m., Little Symphony orchestra, KDKA; 7, theatrical gossip, Samuel Wren; 7:30, organ recital, Rene Dagenais; 8, Capitol theater orchestra; 8:30, quartet of two mandolins, tenor mandola and piano, Hercules Zenopoulos, director; 9, concert, Aleppo Drum Corps; 9:30, movie club, George Fecke, director.

WCAP, Washington, D. C. (468.5m-640kc), 6:45-7:45 a. m., tower health exercises, WEAF; 6-11 p. m., Washington Post hour; health talk, A. and P. Gypsies, opera, "Lucia di Lammermoor," WEAF.

WCAU, Philadelphia, Pa. (278m-1080kc), 7:30 p. m., recital, N. Snellenburg and company; 8, Carolyn Thomas, soprano; Ella Jaquette Kratz, pianist; 8:45, Ruppert and McCullough, banjo duets; 9, Al Wing and his Sugar Cane orchestra; 9:30, Carl Smith's Monday Nighters; 10, Arline R. Smith, soprano; Kathryn Fighthornce, contralto; Sarah Snyder, pianist; Virginia Klein, pianist; 10:30, Parodians dance orchestra.

WCX, Detroit, Mich. (516.9m-580kc), 6 p. m., Goldkette ensemble; 8-9, studio program.

WEAF, New York, N. Y. (491.5m-610kc), 6:45-7, 7:20 a. m., tower health exercises; 4-5 p. m., Edward E. Holle, bass; Marguerette Welte, soprano; 6-12, dinner music, Hotel Waldorf-Astoria; Theophilus Alban, tenor; Columbia university lecture; lullaby lady; coal miners' trio; tower health talk; music, A. and P. Gypsies; grand opera, "Thais," WEAF; Ben Bernie and his Hotel Roosevelt orchestra.

WEAO, Columbus, Ohio (293.9m-1020kc), 1:30 p. m., music.

WEAR, Cleveland, Ohio (389.4m-770kc), 7 p .m., Allen theater orchestra.

WEEI, Boston, Mass. (348.6m-860kc), 6:30 p. m., Joe Rines and his Hunters' Cabin orchestra; 7:30, Black Iron Shiners; 8, Boy Scout music, program, Dan Beard. Baden Powell; 8:45, Tower health talk; 9, A. & P.

WNAC BROADCASTS CHICAGO CIVIC

Index to Popular Concerts

Saturday, February 6

Eastern	Central	Mountain	Pacific
7:30 p. m.	6:30 p. m.	5:30 p. m.	4:30 p. m.
WFAA.			
8	7	6	5
WAMD, WLS.			
9	8	7	6
WBBM, WEAF, WENR, WGBS, WLS, WMAQ, WNYC.			
10	9	8	7
KFAB, KPRC, WBBM, WENR, WGN, WLS, WMBB, WREO.			
11	10	9	8
KFVE, KFWB, KNX, KTHS, WBBM, WMBB, WOK, WQJ, WRC.			
12	11	10	9
KNX KOIL, KPO, KPRC, WBBM, WLS, WOAW, WOK, WQJ.			
1 a. m.	12 m.	11	10
KFWB, WDAF, WBBM, WEBH, WENR, WOK, WQJ, WSAI.			
2	1 a. m.	12 m.	11
KNX, WBBM, WENR, WQJ.			

Sunday, February 7

Eastern	Central	Mountain	Pacific
9 p. m.	8 p. m.	7 p. m.	6 p. m.
WBBM.			
10	9	8	7
WBBM, WMBB.			
11	10	9	8
WMBB.			
12	11	10	9
KNX, KTHS.			
1 a. m.	12 m.	11 p. m.	10
KFWB, WBBM.			
2	1 a. m.	12 m.	11
KFWB.			

Monday, February 8

Eastern	Central	Mountain	Pacific
7 p. m.	6 p. m.	5 p. m.	4 p. m.
WBBM, WFAA, WOAW.			
8	7	6	5
WGBS.			
9	8	7	6
WCAU, WEAF, WGB, WKRC, WOK.			
10	9	8	7
KFAB, WGB, WKRC, WMCA, WOAW, WOK, WSOE.			
11	10	9	8
KFAB, KFVE, WOK.			
12 m.	11	10	9
KLX, KNX, KOIL, WAMD, WHO, WOK.			
1 a. m.	12 m.	11	10
KFWB, KLX, WAHG, WDAF, WHT, WKRC, WOK.			
2 a. m.	1 a. m.	12 m.	11
KFWB.			

Tuesday, February 9

Eastern	Central	Mountain	Pacific
7 p. m.	6 p. m.	5 p. m.	4 p. m.
WMCA, WOAW.			
8	7	6	5
WBBM, WEAR.			
9	8	7	6
WBBM, WEAR, WBZ, WSB.			
10 p. m.	9 p. m.	8 p. m.	7 p. m.
WBBM, WMBB, WOAW.			
11 p. m.	10 p. m.	9 p. m.	8 p. m.
KFVE, KFWB, KNX, WBBM, WHT, WMBB, WOK, WQJ.			
12 m.	11	10	9
KNX, KOIL, KPO, WAMD, WBBM, WFAA, WKRC, WMC, WOK, WQJ.			
1 a. m.	12 m.	11	10
KFWB, KNX, WFAA, WHT, WOAW, WOK, WQJ.			
2	1	12 m.	11
KFWB, WQJ.			

Wednesday, February 10

Eastern	Central	Mountain	Pacific
8 p. m.	7 p. m.	6 p. m.	5 p. m.
KFNF, WAHG, WEBJ, WEEI, WMCA.			
9	8	7	6
WBBM, WEBJ, WGCP, WNYC.			
10	9	8	7
KFAB, KPRC, WBBM, WGCP, WHO, WMBB.			
11	10	9	8
KFAB, KFVE, KGW, KPO, KWSC, KYW, WBBM, WHN, WMBB, WOK, WQJ.			
12 m.	11	10	9
KFWA, KFWB, KNX, KYW, WAMD, WOK, WQJ WSAI.			
1 a. m.	12 m.	11	10
KNX, KYW, WBBM, WHT, WOK, WQJ.			
2	1 a. m.	12 m.	11
KFWB, KNX, WBBM, WOK, WQJ.			

Thursday February 11

Eastern	Central	Mountain	Pacific
8 p. m.	7 p. m.	6 p. m.	5 p. m.
WCAE, WEAF, WJAR, WMC, WOC, WSAI.			
9	8	7	6
WBBM, WHAD.			
10	9	8	7
KMA, WBBM, WEEI, WHAD, WHN, WMBB, WMC, WNYC, WOAW, WSOE.			
11	10	9	8
KHJ, KMA, KYW, WBBM, WMBB, WOK, WQJ.			
12 m.	11	10	9
KHJ, KTAB, KOIL, WBBM, WDAF, WEAA, WKRC, WOC, WOK, WQJ.			
1 a. m.	12 m.	11	10
KFWB, KHJ, WHT, WOK, WQJ.			
2	1 a. m.	12.m.	11
KNX, WQJ.			

Friday, February 12

Eastern	Central	Mountain	Pacific
8 p. m.	7 p. m.	6 p. m.	5 p. m.
WGCP, WJR.			
9	8	7	6
WAMD, WBBM, WGR, WLS.			
10	9	8	7
KFAB, WBBM, WMC, WDAF, WHAD, WMBB, WOAW, WSOE.			
11	10	9	8
KFVE, KFWA, KHJ, KLX, KYW, WMBB, WOK, WQJ.			
12 m.	11	10	9
KFWB, KHJ, KNX, KOIL, WAMD, WMC, WOK, WQJ.			
1 a. m.	12 m.	11	10
KFWB, KHJ, WDAF, WHT, WOK, WQJ.			
2	1 a. m.	12 m.	11
KNX, WQJ.			

WTIC, Hartford, has February 10. Among entertainers, the thr low. Walter B. Seal from **WOAN**, Lawren 9 and 10 p. m. Centra voice. **H. V. Kalte** editor of the Brookly evening he speaks on **WOR**, Newark. He events

Monday, February 8

Gypsies; 10, Scotty Holmes and his orchestra; Imperial marimba band.

WFI, Philadelphia, Pa. (394.5m-760kc), 1 p. m., tea room ensemble; 3, Composers' day concert, Philadelphia Music club; 6:30, Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra.

WGBS, New York, N. Y. (315.6m-950kc), 1:30 p. m., Frieda Gluckman, pianist; Bill Rietz, songs; 3:15, Florence Loftus, soprano; Clifford Odetts, reader; 6:30, Premiere club orchestra; 7, talk, American Bankers association; orchestra.

WGCP, New York, N. Y. (252m-1190kc), 1:15 p. m., race results; 8:30, Loomis orchestra; 9, Philip Wolf, talk to boys; 9:10, Perry Bradford and Cotton Belt quartet; 9:45, Bob Ward and Three Little Wards; 10, Strickland's orchestra.

WGY, Schenectady, N. Y. (379.5m-790kc), 2 p. m., Asia restaurant orchestra; 2:30, music, household talks, cooking lesson, Jessie B. Lane; "Stamping Out Diptheria and Smallpox," Dr. Helen Zillmer; 6:30, dinner program, Porter E. Potts' Hotel Van Curler orchestra; 7, WGY agricultural program, addresses; 7:45, program, Schenectady Boy Scouts; 8:05, WGY orchestra; Marion Wells, pianist; "Literary Appreciations" series, William L. Widdemer.

WHAR, Atlantic City, N. J. (275m-1090kc), 2 p. m., Seaside hotel trio; 7:30, talk; dance orchestra; 8, Seaside hotel trio; 11:30, orchestra.

WHAZ, Troy, N. Y. (379.5m-790kc), 9 p. m., Elks' night; 9:30, "X-rays," Dr. R. A. Patterson; 11, Campus serenaders, students' orchestras.

WHN, New York, N. Y. (361.2m-830kc), 6 p. m., Littmann's dinner music; 6:30, Daddy Dingle and Jingle Box; 6:45, Littmann's dinner music; 7:30, Joe Ward's Swanee entertainers; 8, "Storage Batteries"; 8:05, Roseland dance orchestra; 10, Shanley's orchestra; 10:30, Anatol Friendland; 11, Cotton club orchestra; 11:30, Silver Slipper orchestra; 12-12:30, Parody club orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:45 a. m., setting-up exercises; 7, setting-up exercises; 1 p. m., Gimbel tea room orchestra; 3, artist recital by Clarence Fuhrman School of Music; 4, Market Hints to Housewives; 6:05, Benjamin Franklin concert orchestra; 7, Uncle Wip's bedtime stories; dancing lessons by Miller Conservatory of Dancing.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Jean Goldkette's Petite symphony orchestra; 7:45, Goodwill and Harmonic balancer; 9, Paige Six, Jewett Six; 11:30, Jewett Radio Jesters, Merry Old Chief.

WKAR, Lansing, Mich. (285.5m-1050kc), 7:15-8 p. m., home economics course.

WLIT, Philadelphia, Pa. (394.5m-760kc), 12:02 p. m., daily almanac; Stanley theater organ recital; Arcadia cafe concert orchestra; 2, Arcadia cafe concert orchestra; 4:30, recital; 7:30, Dream Daddy's bedtime stories; 8, talk; 8:30, recital; 9, Stanley Hour of Music; movie review, James A. Nassau; 10, Arcadia cafe dance orchestra; 10:30, Fay's Knickerbocker vaudeville feature; 10:45, El Patio dance orchestra.

WLWL, New York, N. Y. (288.3m-1040kc), 9 p. m., Boris Popovitzky; 9:15, songs; 9:30, question box; 10, musicale; 10:30, Belais quartet.

WMAK, Buffalo, N. Y. (266m-1130kc), 7:15 p. m., daily news; 7:30-8:30, musical program, Murray Whiteman and his serenaders; 8:30-9, program, New Olympic theater.

WMBF, Miami Beach, Fla. (384.4m-780kc), 7-9 p. m., Fleetwood Radio orchestra; 10-1 a. m., Gene Fosdick and his orchestra; Fleetwood Radio orchestra.

WMCA, New York, N. Y. (340.7m-880kc), 6-6:30 p. m., Olcott Vail and his Hotel McAlpin string ensemble; 6:30-7:30, Ernie Golden and his Hotel McAlpin orchestra; 7:30-8, Kurtz Karnival Kings; 8-9, Terminal music hour; 9-9:30, lecture on Christian Science, Hon. Wm. E. Brown; 10:45-11:30, Barclay Radio program; 11:30-12, Jack Denny and his Frivolity orchestra.

WNYC, New York, N. Y. (526m-570kc), 6:20 p. m., piano selections; 6:30, German lessons; 7, advanced German lessons; 7:35, dance program; 9, shorthand contest; 10:10, Board of Education lecture; 10:35, Richmond Versatile orchestra.

WOO, Philadelphia, Pa. (508.2m-590kc), 11 a. m., organ recital; 12:12 p. m., Golden's Crystal tea room orchestra; 4:45, organ recital; 7:30, Hotel Sylvania dance orchestra; 8, Pop concert; 9, A. and P. Gypsies; 10, grand opera, "Thais," WEAF Grand Opera company; 11, Sylvania dance orchestra.

WPG, Atlantic City, N. J. (299.8m-1000kc), 4:30 p. m., Chalfonte-Haddon hall afternoon tea music; 6:45, Arthur Scott Brook, organist; 7, Hotel Morton dinner music; 8, "Catching Cold," Dr. Clarence L. Andrews; 8:15, "Messiah," Atlantic City Festival choir; 10, Galen hall trio; 11, Silver Slipper Supper club.

WRC, Washington, D. C. (468.5m-640kc), 12 noon, Henri Smidt-Gregor, organist; 1 p. m., Shoreham hotel orchestra; 4:30, musicale.

WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., dinner concert, Speed-Wagon Serenaders; Gold Standard ensemble.

WRVA, Richmond, Va. (256m-1170kc), 7 p. m., children's program; 8:10, character songs, George Rianhard and George Jr.; piano duets, ukulele; 9, travelogue, Dr. Douglas Freeman; 9:10, instrumental trio; 9:30, male chorus, assisted by soprano soloist, violinist, pianist; 11, "Carry Me Back to Old Virginny."

WTAG, Worcester, Mass. (268m-1120kc), 10:30 a. m., musical selections; 12:05-2 p. m., noon-day luncheon music, WTAG, Will Hardy, director; 7, science talk, Fred D. Aldrich; 7:15, "Twilight Scouts"; 7:45, official Boy Scout announcements, Joseph Wadleigh; 9-10, Robin Hood hour of music, Arthur Crosbie, director; 10-11, grand opera, "Thais," WEAF, Cesare Sodero, director.

WTAM, Cleveland, Ohio (389.4m-770kc), 12:15-1:15 p. m,. Austin Wylie's Vocalion Recording orchestra; 6-7, dinner hour music, Guy Lombardo and his Royal Canadians; 8-11, Willard Symphony orchestra, Walter Logan, director; 11-12, dance music, Austin Wylie's Recording orchestra; 12-1 a. m., dance music, Guy Lombardo and his Royal Canadians.

WTIC, Hartford, Conn. (475.9m-630kc), 11 a. m., "First Aid," Irene Muller; 11:15, "South America," Henry Francis Marandez; 11:25, Beatrice Torgan, violinist; 12:05, Travelers club orchestra; 6:30, Mrs. Bessie Lillian Taft, children's story teller; 6:50, Hub trio; 9, Irish ballads, Anthony McKenna; 9:15, rollicking sea songs, Fred Widen; 9:30, Emil Heimberger's Hotel Bond orchestra; 10:30-12, Travelers' symphonic ensemble, Travelers' ladies' quartet.

WWJ, Detroit, Mich. (352.7m-850kc), 12:05 p. m., Jules Klein's Hotel Statler orchestra; 3, Detroit News orchestra; 6, dinner concert; 8, A. & P. Gypsies.

Central Time Stations

CKY, Winnipeg, Can. (384.4m-780kc), 8 p. m., University lecture; 9, concert, Knights of Pythias; 11, revue, Metropolitan theater.

KFAB, Lincoln, Nebr. (340.7m-880kc), 8:30-10:30 p. m., Douglas brothers and Will Frundell quartet; Belshaw's orchestra; Cow Bell boys, violin and guitarist; Gloomy Gus, entertainer; Ed Ellingson, original songbird; Harmony boys, vocalists.

KFKU, Lawrence, Kans. (275m-1090kc), 7 p. m., "Wonders of Our Modern Transportation Machine," Prof. F. A. Russell; 7:15, musical program, School of Fine Arts; Ruth Whitfield, pianist; vocal duets, Albertine Cox, Marjorie Taylor; 7:40, sports question box, John W. Bunn, director.

KFMQ, Fayetteville, Ark. (299.8m-1000kc), 7:30 p. m., farmers' program; 8, Mary Margaret Anders, reader.

KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., concert, Henry Field Seed company.

KFRU, Columbia, Mo. (499.7m-600kc), 4:30-5:30 p. m., Quadrangle orchestra, Harris' cafe; 6:15, dinner music; 7, Radio school talk, Helen Anderson.

KMA, Shenandoah, Iowa (252m-1190kc), 6-7 p. m., Pollyana stories; 9-11, Farnham trio, "How-Do-You-Do Boys."

KOIL, Council Bluffs, Iowa (278m-1080kc), 7:30 p. m., Woodward's program; 9, Ray Winn's orchestra; 10, Jean Stirling, director; 11, Al Reese and his Broadway orchestra.

KPRC, Houston, Tex. (296.9m-1010kc), 7:30 p. m., Record's Ramblers dance orchestra; 8:30, studio concert.

KSAC, Manhattan, Kans. (340.7m-880kc), 9-9:25 a. m., music, inspirational talk, agricultural primer, calisthenics; 9:55-10:25, readings, backyard gossip, question box; planning today's meals; 12:35-1:05 p. m., readings, question box; 4:30-5, Third Year English literature, high school credit; 6:30-7:30, talks; book review, current events; Extension Credit course, Sociology.

KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., addresses, Boy Scouts program, Dan Beard, Gen. Sir Baden Powell; 8, fur hour; 9, concert, W. M. Jenkins.

KSO, Clarinda, Iowa (242m-1240kc), 12:30-1:15 p. m., concert; music; garden club; Sunday school lesson; dinner concert; 7-7:30, music; 7:30-9, Allen Bair, children's program.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9-9:45 p. m., New Arlington hotel orchestra; 9:45-10, Lawson Reid, organist; 10-11, Brick English and his 10-piece novelty orchestra.

KYW, Chicago, Ill. (536m-560kc), 7:30 a. m., morning family worship; 11:35, table talk, Mrs. Anna J. Peterson; 1-2 p. m., Joshka DeBabary and his orchestra; Coon-Sanders orchestra; 6, dinner music, KDKA.

WAFD, Port Huron, Mich. (275m-1090kc), 12 p. m.-2 a. m., studio program, dance orchestra.

WAMD, Minneapolis, Minn. (244m-1230kc), 12 m., popular musical program; Colila Dare, contralto; Bee Lowell, accompanist; Roy Nowack, banjo; Jack Leeman, clarinet; Chuck Johnson, uke; 5:45 p. m., WAMD Boys' A. C.; 6:30, WAMD "Traffic Squad," Earle Buell, recruiting officer; 7:01, Garrick theater symphony orchestra, Fred Heiseke, director; 9, popular musical program; 11, Skyrocket frolic, George Osborn and his orchestra.

WBBM, Chicago, Ill. (226m-1330kc), 4-6 p. m., Valentino Inn orchestra, artists; 6-7, Two Jays, Charlie Garland, Miss Dixon, harpist; artists; WBBM string trio artists.

WCAL, Northfield, Minn. (336.9m-890kc), 8:30 p. m., musical program.

WCCO, Minneapolis-St. Paul, Minn. (416m-720kc), 12 m., noon concert, Donaldson's orchestra; 2:30 p. m., afternoon concert; 4, readers' club; 5:30, children's hour; 6, dinner concert, Gordon Cooke ensemble, Meta Ashwin Birnbach, soprano, Louise Lupien Jenkins, accompanist; 7, program, WEAF; Boy Scouts' program: speakers, Dan Beard and Baden Powell; 8, Univ. of Minnesota program; 9, classical concert.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., The Tell-Me-a-Story lady; addresses, Edmund E. Morris; The Trianon ensemble; 8-9:30, program, Ivanhoe band, Walter A. French, director; Ivanhoe Glee club, Edward H. Gill, director; Julian Amelung, accompanist; 11:45-1 a. m., Ted Weem's Victor Recording orchestra.

WDOD, Chattanooga, Tenn. (256m-1170kc), 6:30-7 p. m., organ music, Tivoli theater; 7-8, Hotel Patten orchestra; 8:15, special features and program.

WFAA, Dallas, Tex. (475.9m-630kc), 4:30-5 p. m., Cyrus Barcus, cornetist; 6:30-7:30, Artie Collins and his orchestra; 8:30-9:30, Sears-Roebuck Agricultural Foundation program.

WGN, Chicago, Ill. (302.8m-990kc), 10-10:20 a. m., good health and training; 10:20-11, entertainment for shut-ins; 12:40-2:30 p. m., luncheon concert, Drake concert ensemble; 2:30-3, Lyon and Healy artists' series; 3:30-4:15, tea time music, Marshall Field's tea room orchestra; 5:30-5:57, Skeezix time; 6:30-7, dinner concert, Drake concert ensemble.

WHAD, Milwaukee, Wis. (275m-1090kc), 11 a. m., pianologue, Andy Hertel; 4 p. m., Trixy Ann Troy, ukulele; 6:15-7, Bill Benning's Milwaukee Athletic club orchestra; 8-10, Marquette university studio program.

WHAS, Louisville, Ky. (399.8m-750kc), 1-2 p. m., Royal Peacock orchestra; 3-3:30, Mrs. Myrtle Fulks Zahn, Jr., organist; 4-5, concert, Music Box; editorials; fashion talk, Peggy True.

WHO, Des Moines, Iowa (526m-570kc), 7:30-9 p. m., faculty members of Drake university conservatory of music, Dean Holmes Cowper, director; 11-12, Bankers Life Corn Sugar orchestra.

WIBO, Chicago, Ill. (226m-1330kc), 10-11 a. m., shoppers' bureau, Grace Viall Gray; 2-4 p. m., Ted Fiorito, pianist; Dan Russo, violinist; Victor Young, violinist.

WKAF, Milwaukee, Wis. (261m-1150kc), 10-11 p. m., Orpheus quartet; Lucille Nelster, violinist; Sidney Tarachow, cellist.

WKRC, Cincinnati, Ohio (422.3m-710kc), 6 p. m., dinner music, Alvin Roehr's orchestra; 8, vocal and instrumental program, Eugene Perazzo; 9, program, auspices R. E. Bentley; 9:30, Tenth Infantry band; 12, midnight frolic.

WLS, Chicago, Ill. (344.6m-870kc), 12 m., WLS string trio; 6 p. m., R. F. D. school program; WLS string trio.

WLW, Cincinnati, Ohio (422.3m-700kc), 7:30 a. m., healthful exercises, William Stradtman of Physical department of Y. M. C. A.; 8, morning devotions, auspices Parkway Y. M. C. A.; 12:05 p. m., religious services, Rev. George H. Kase; 4, concert, Monday Musical club; 7, dinner concert, Hotel Gibson, Robert Visconti, director; 7:30, Y. M. C. A. basketball game (tentative); 8:40, Hotel Gibson orchestra; 8, Cincinnati Times-Star orchestra, William J. Kopp, director.

WMAQ, Chicago, Ill. (447.5m-670kc), 12:20 p. m., Junior Association of Commerce; 1, Radio farm school; 2, shut-in program; 4, Mothers in Council; 4:30, "Foibles of the Moment," Mrs. Graham Aldis; 4:40, Glenn Dillard Gunn School of Music; 5, children's games, Glenn Adams; 5:15, Topsy-Turvy time; 6, Chicago theater organ recital; 6:30, Hotel La Salle orchestra; 6:40, Family Altar league.

WMAZ, Macon, Ga. (261m-1150kc), 10-11 p. m., orchestra music; Georgians; Bob Lee.

WMC, Memphis, Tenn. (499.7m-600kc), 7:15 p. m., bedtime stories, Peter Pan and Tinker Bell; 8:45, Cortese ensemble.

WOAN, Lawrenceburg, Tenn. (282.8m-1060kc), 9-10 p. m., male quartet and orchestra; 11:30-1:30 a. m., special program.

WOAW, Omaha, Nebr. (526m-570kc), 12:45 p. m., Randall's Royal Fontenelle orchestra; 6, entertainment; 6:40, insurance talk; Daniel D. Mackin; 6:50, Randall's Royal Fontenelle orchestra; 9, classical.

WOC, Davenport, Iowa (483.6m-620kc), 5:45-6 p. m., chimes.

WOI, Ames, Iowa (270m-1110kc), 12:30 p. m., college chimes; dairy production discussion, Prof. Earl Eaver; 7:30, automobile short course, Prof. G. I. Mitchell; 7:50, State college symphony orchestra, Oscar Hatch Hawley, director.

WRR, Dallas, Tex. (246m-1220kc), 6-7 p. m., Adolphus hotel; 8-9, Magnolia Petroleum company band; 11-12, Jack Gardner's orchestra; Virgil Whitworth, marimba-xylophonist.

WSAI, Cincinnati, Ohio (325.9m-920kc), 7-7:30 p. m., Boy Scout program; 8, A. and P. Gypsies, WEAF; 9, grand opera, WEAF; 10-12, Community Symphony orchestra and soloists; 12, Freda Sanker's orchestra.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., Biltmore hotel orchestra; 10:45, Vick Myers' orchestra.

WSM, Nashville, Tenn. (282.8m-1060kc), 6:30 p. m., concert, Francis Craig's orchestra; 7, bedtime story interlude; 8, program, artists; 10, program, Vito M. Pellettieri's orchestra.

WSUI, Iowa City, Iowa (483.6m-620kc), 12:30 p. m., soprano solos, Mrs. Dorothy Spencer; "Phases of Astronomy"; 4, current events, Prof. Stephen H. Bush; 7:30, College of the Air; 8:30, music faculty program.

Mountain Time Stations

CFAC, Calgary, Can. (435.8m-688kc), 9 p. m., ladies' concert trio, Gladys Webb Foster, director.

KFWA, Ogden, Utah (261m-1150kc), 4-5 p. m., organ recital, Paramount theater; 5-6, Ogden Radio Dealers' program.

KFXF, Colorado Springs, Colo. (250m-1200kc), 8:30 p. m., musical selections; 8:45-9, educational talk.

KOA, Denver, Colo. (322.4m-930kc), 12:15 p. m., Rialto theater musicale; 6:30, dinner concert, Brown Palace string orchestra, Howard Tillotson, director; 7:30, Sandman's hour; 8, Radio instruction in Spanish, Prof. Amanda Lopez Knecht; 8:30, instrumental program, Scheuerman's Colorado orchestra; 8:45, miscellaneous music, KOA orchestra and assisting soloists; 9, voice culture, John C. Wilcox; 9:30, miscellaneous music, KOA orchestra and assisting soloists.

KOB, State College, N. Mex. (348.6m-860kc), 7:30-8:30 p. m., farm talks.

KSL, Salt Lake City, Utah (299.8m-1000kc), 7:35 p. m., "Mussolini," George Thomas.

Pacific Time Stations

KFI, Los Angeles, Calif. (468.5m-640kc), 5:30-6 p. m., Owen Fallon's Californians; 6, nightly doings; 6:15, KFI's Seeing California; 6:30, vest pocket program; 6:45, Radiotorial period; 7-8, Chinese Gardens dance orchestra; 8-9, program, pupils of Myra Belle Vickers; 9-10, simultaneous broadcast of KFI's program to KPO; 10-11, program of popular music, Meiklejohn Brothers.

KFOA, Seattle, Wash. (453.3m-660kc), 7-8:15 p. m., Sherman Clay program; 8:30-10, Times studio program.

PERA COMPANY IN "IL TROVATORE"

ay party, Wednesday, sts are the Harmony tive young ladies be- e, left, may be heard very evening between He has a fine baritone ght, is the associate agle. Every Monday events of the week at rings the fans news print.

KFON, Long Beach, Calif. (233m-1290kc), 6-6:45 p. m., organ, Brayton's theater; 6:45-7:15, amusement information; 8-9, community service program, Municipal auditorium; 9-11, Echophone artists frolic.

KFWB, Hollywood, Calif. (252m-1190kc), 5-6 p. m., children's hour, Big Brother of KFWB; 7-7:30, program, Osborne, Kelsey company; Sol Hoopii's Hawaiians; Esther White, blues singer; Dan Gridley, tenor; 7:30, program, Dr. Ralph Mitchell and the Associated Dentists; Friendly Dentists orchestra; Bill Blake, tenor; 8-9, Bill Hatch and his Oakmont Country club orchestra; Lucille Snyder, soprano; Sol Hoopii's Hawaiians; 9-10, program, Star Motor Car company, Million Dollar Four orchestra; Ashley Sisters; 10-11, Warner Brothers frolic.

KGO, Oakland, Calif. (361.2m-830kc), 3-4 p. m., musical program; 6-6:55, twilight concert, Wiley B. Allen company; 8, Arion trio; "Chats About New Books," Joseph Henry Jackson; "Better English," Wilda Wilson Church; "Some Queer Cases I Have Known," Dr. Albertine R. Nash; "Short Story Writing—The Plotting of the Story," Rebecca S. Porter.

KGW, Portland, Ore. (491.5m-610kc), 7:15 a. m., Y. M. C. A. physical culture exercises; 9:45-11:30, Town Crier; 12:30-1:30 p. m., concert, Oregon Radio Trades association; 6-7, dinner concert, Olds, Wortman and King company; 8, concert, Willys-Overland Pacific company; 9-10, concert.

KLX, Oakland, Calif. (508.2m-590kc), 4-5 p. m., women's hour; 5-5:30, Aunt Elsie's sunset matinee; 6:30-7, Athens Athletic club orchestra; 8-9, studio program; 9-10:30, meeting of the Protective Order of Lake Merritt Ducks.

KMTR, Hollywood, Calif. (238m-1260kc), 5-6 p. m., home hour, Mammy Simmons, Margaret Bond, Reeda McCormick, Helen Frances Levy and others; 7:15, Y. M. C. A. program; 8-10, the Turner orchestra, direction Loren Powell, Mme. Leontine de Ahna, contralto; 10-11, Starr Piano company studio.

KNX, Hollywood, Calif. (336.9m-890kc), 5-5:30 p. m., Sunny Jim's talk; 5:30, First Presbyterian church organ; 5:55, Town Tattler; 6:15, travel talk, W. F. Alder; 6:30-7, Atwater Kent concert orchestra; 7-7:30, Mutual Motors mirth contest; 7:30-8, studio program; 8-9, program, L. W. Stockwell company; 9-10, Glassmobile Minstrels in an old-time minstrel show; 10-11, Goodrich Silvertown Cord dance orchestra; Lilyan May Challenger, contralto; 11-12, Ambassador hotel dance orchestra.

KOAC, Corvallis, Ore. (280.2m-1070kc), 6:50 p. m., musical selections.

KPO, San Francisco, Calif. (428.3m-700kc), 7, 7:30, 8 a. m., daily dozen exercises; 1-2 p. m., Rudy Seiger's Fairmont hotel orchestra; 2:30-3:30, matinee program; 5:15-6:15, children's hour stories, Big Brother; 6:40, Waldemar Lind and the States restaudant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel orchestra; 8-9, organ recital, Uda Waldrop; 9-10, KFI program; 10-11, Jack Coakley's Cabirians.

KTAB, Oakland, Calif. (240m-1250kc), 9-9:30 a. m., prayer service, Rev. E. L. Spaulding; 12-1 p. m., luncheon concert; 4-5, women's club notes; 8-10, program, Western States Life Insurance company.

KWSC, Pullman, Wash. (348.6m-860kc), 7:30-9 p. m., special piano program, F. C. Butterfield; Frosh vocal quartet; Marion Shepherd, violinist; "Psychology of Efficiency—No. 9, Cultivating Capacity for Judgment," Dr. F. F. Nalder.

Tuesday, February 9

Headliners Today

Eastern	Central	Mountain	Pacific
6:30 p. m.	5:30 p. m.	4:30 p. m.	3:30 p. m.

WGBS (315.6m-950kc) Provincetown players.
7:30 6:30 5:30 4:30
WJZ (454.3m-660kc), WGY, WRC, U. S. Marine band concert.
8:30 p. m. 7:30 p. m. 6:30 p. m. 5:30 p. m.
WEAF (491.5m-610kc), WEEI, WFI, WCAE, WGR, WWJ, WOC, WJAR, WCCO, WEAR, KSD, WGN, Gold Dust Twins.
9 8 7 6
WIP (508.2m-590kc) Kaufmann instrumental trio.
WLW (422.3m-710kc) Old-time review.
11 10 9 8
KGO (361.2m-830kc) Metropolitan male singers.
KHJ (405.2m-740kc) Collegiate night.
KTHS (374.8m-800kc) Hot Springs Kiwanis club.
WOC (483.6m-620kc) Whizz Bang orchestra.
12 11 10 9
KOIL (278m-1080kc) Nautical dance orchestra.

Tuesday, silent night for: CFCA, CHIC, CKNC, CKY, CNRC, CNRE, CNRM, CNRO, CNRW, CNRT, KFKX, KFKU, KFMQ, KFUO, KFWA, KYX, KOA, KOAC, KOB, KUOM, KWSC, PWX, WABQ, WAHG, WAMD, WBBR, WCAD, WCAP, WGCP, WGST, WHAD, WHAZ, WJAD, WJAZ, WKAF, WKAQ, WLWL, WOI, WRVA, WSUI, WTAM, WTIC.

Eastern Time Stations

KOKA, Pittsburgh, Pa. (309.1m-970kc), 7:15, 8 a. m., exercises, O. Shannon; 12:20 p. m., Trinity church institute; 5:45, Daddy Winkum; 6:30, dinner concert; 8:15, "Public Speaking—Conversational Delivery," W. M. Parrish; 8:30, sacred song half-hour; 9, Oratorio evening, Will Rhodes; Little symphony orchestra, Victor Saudek, conductor; 11:35, concert, Grand theater.

WAHG, Richmond Hill, N. Y. (315.6m-950kc), 12:03 p. m., musicale.

WBAL, Baltimore, Md. (246m-1220kc), 6:30-7:30 p. m., dinner program, WBAL string trio; soloists, Philip Jeffreys, pianist; John Wilbourn, tenor; 7:30-8, WBAL male quartet; 8-9, musical program; Louise Cline, soprano; George Bolek, pianist; James Wilkinson, baritone.

WBZ, Springfield, Mass. (333.1m-900kc), 6:30 p. m., Little symphony orchestra, KDKA; 6:45, Hotel Lenox ensemble; 7:30, "Literary Values in Recent Books," Prof. Robert Emmons Rogers; 8, professional hockey game between Boston Bruins and New York, Frank Ryan, announcer; 10:20, fiddlers' contest.

WCAP, Washington, D. C. (468.5m-640kc), 6:45-7:45 a. m., health exercises, WEAF.

WCAU, Philadelphia, Pa. (278m-1080kc), 7:30 p. m., concert, N. Snellenburg and company; 8, building and loan talk; 8:10, the Three Brothers; 8:25, theater digest; 8:35, WCAU players; 9, Robert Fraser, blind gospel singer, Elizabeth Holtz, pianist; 9:30, The Sea Gulls; 10, Ed. McCauley and his Pals; 10:30, Billy Hayes and his orchestra.

WCX, Detroit, Mich. (516.9m-580kc), 6 p. m., Goldkette ensemble; 10-2, Red Apple club.

WEAF, New York, N. Y. (491.5m-610kc), 6:45-7, 7:20 a. m., tower health exercises; 11-12, Joe Burns, pianist; lecture, Board of Education; motion picture forecast, Adele Woodard; 4-5 p. m., Van Vliet trio; 6-12 midnight, dinner music, Hotel Waldorf-Astoria; Alan Harris, songs with banjo accompaniment; Blue Ribbon male quartet; Gold Dust twins; Eveready hour; moment musicale; Vincent Lopez and his orchestra; Ross Gorman and his orchestra.

WEAO, Columbus, Ohio (293.9m-1020kc), 1:15 p. m., Margaret Gallant, pianist; Manley Seidel School of Music; Miriam Purdy, reader; 7, chimes, Allen McManigal; 7:10, "What Are Ohio Accredited Chicks," Prof. E. L. Dakan; 7:25, Peter story, Uncle Al; 7:35, "Vegetables Which Are Scarce in Winter," Prof. L. W. Montgomery; 8, sorority program.

WEAR, Cleveland, Ohio (389.5m-770kc), 7 p. m., State theater vaudeville; 8, studio program; 8:30, Gold Dust Twins; 9, Eveready entertainers; 10, program, WEAF; 10:30, Vincent Lopez orchestra; 11, Wormack's Singing syncopators.

WEBJ, New York, N. Y. (272.6m-1100kc), 7:45 p. m., Isabel Henderson, soprano; 8, talks; 8:15, Fred Gehlert, tenor; 8:30, Kenwood Klub orchestra, Ed. Wally, director.

WEEI, Boston, Mass. (348.6m-860kc), 6 p. m., George Joy, Neil Cantor, popular songs; 6:30, talk, Mrs. Nellie E. Friend; 7:30, musicale; 8, Blue Ribbon male quartet; 8:30, Gold Dust Twins; 9, Eveready hour; 10, moment musicale; 10:30, Vincent Lopez and his orchestra.

WFI, Philadelphia, Pa. (394.5m-760kc), 1 p. m., Tea Room ensemble; 3, recital; 6:30, Bellevue Stratford concert orchestra; 7, Bellevue-Stratford dance orchestra; 8, Blue Ribbon male quartet; 8:30, Gold Dust Twins; 9, Eveready hour; 10, concert from WEAF; 10:30, Vincent Lopez and his Casa Lopez orchestra.

WGBS, New York, N. Y. (315.6m-950kc), 1:30 p. m., popular songs, Lee Graber, Hal Friedman; 2, Landers serenaders; 3, Charles Phillips, pianist; 6:30, "The Dream Play," Provincetown players; 7, Arrowhead Inn orchestra; 8, Y. M. H. A. vocational forum; 11, Arrowhead Inn orchestra.

WGCP, New York, N. Y. (252m-1190kc), 1 p. m., race results; 7, orchestra; 7:30, Clarence Williams' trio; 8, orchestra.

WGY, Schenectady, N. Y. (379.5m-790kc), 2 p. m.

Index to Farmers' Programs

Farmer Dinner Concerts

Daily Except Sunday

CENTRAL TIME

KFNF, 12:15-1:35 p. m.
KMA, 12:30-1:30 p. m.
KSO, 12:30-1:30 p. m.
WLS, 12 noon.

Saturday, February 6

Eastern	Central	Mountain	Pacific
1:45 p. m.	12:45 p. m.	11:45 a. m.	10:45 a. m.

WOI (270m-1110kc) Soils, questions and answers.
8 7 6 5
KDKA (309.1m-970kc) Farm program.

Sunday, February 7

Eastern	Central	Mountain	Pacific
3:30 p. m.	2:30 p. m.	1:30 p. m.	12:30 p. m.

WFAA (475.9m-630kc) Sunday hour for farmers.

Monday, February 8

Eastern	Central	Mountain	Pacific
1:15 p. m.	12:15 p. m.	11:15 a. m.	10:15 a. m.

WOC (483.6m-620kc) Economical Preparation of the Corn for Sows.
1:35 12:35 11:35 10:35
KSAC (340.7m-880kc) Are You Running Short on Cow Feed? Ridding Potato Fields of Gophers.
1:45 12:45 11:45 10:45
WOI (270m-1110kc) Dairy Production.
WMAQ (447.5m-670kc) Radio farm school.
2 1 12 n. 11
KFKX (288.3m-1040kc) Talk.
7 6 5 4
WGY (379.5m-790kc) Agricultural program.
7:45 6:45 5:45 4:45
WSOE (246m-1220kc) Hog Raising.
8 7 6 5
KSO (242m-1240kc) Farm talk.
WTAG (268m-1120kc) Feeding and Care of the Breeders.
8:15 7:15 6:15 5:15
KSAC (340.7m-880kc) Exports, Imports and Agriculture. Sorghums for Pasture and Hay.
8:30 7:30 6:30 5:30
KFMQ (299.8m-1000kc) Farmers' night. Plant Good Seed of Good Variety; Legumes for Livestock and Soil Improvement. Cutting Production Cost with Machinery. Oats.
WMC (499.7m600kc) Talk.
WOI (270m-1110kc) Keeping the Engine of Your Car in Good Running Order.
8:45 7:45 6:45 5:45
WCCO (416.4m-720kc) The Farm Vegetable Garden.
9:05 8:05 7:05 6:05
KFAB (340.7m-880kc) Climate of Nebraska and Modified Cropping Practices. Making Hotbeds and Growing Plants for Early Vegetables.
9:30 8:30 7:30 6:30
KOB (348.6m-860kc) Concrete on the Farm. Results of Extension Activities.
10 9 8 7
KOAC (280.2m-1070kc) Agricultural question box. Farm Flocks of Sheep in Eastern Oregon.
10:30 9:30 8:30 7:30
KOAC (280.2m-1070kc) Important Potato Diseases. Baby Chicks and What They Represent.

Tuesday, February 9

Eastern	Central	Mountain	Pacific
11:30 a. m.	10:30 a. m.	9:30 a. m.	8:30 a. m.

KFAB (340.7m-880kc) Factors Which Affect the Hatching Power of Eggs.
1:15 p. m. 12:15 p. m. 11:15 10:15
WOC (428.3m-620kc) The Answer to Some of Your Poultry Problems.
1:35 12:35 11:35 10:35
KSAC (340.7m-880kc) Portable Hog Houses. Asparagus Culture.
1:45 12:45 11:45 10:45
WMAQ (447.5m-670kc), Radio farm school.
WOI (270m1110kc) Animal Husbandry, questions and answers.
2 1 12 n. 11
KFKX (288.3m-1040kc) Talk.
7:10 6:10 5:10 p. m. 4:10 p. m.
WEAO (293.9m-1020kc) Poultry—What Are Ohio Accredited Chicks?
8 7 6 5
KSAC (340.7m-880kc) Feeding Spring Pigs. Official Testing of Dairy Cattle.
7:15 6:15 5:15 4:15
WKAR (285.5m-1050kc) The Udder of the Cow in Health and in Disease. Feeding the Laying Hen.
7:35 6:35 5:35 4:35
WEAO (293.9m-1020kc) Vegetables That Are Scarce in Winter.
7:45 6:45 5:45 4:45
WKAR (285.5m-1050kc) Types and Breeds of Hogs.
8 7 6 5
KSO (242m-1240kc) Farm talk.
WOC (483.6m-620kc) Feeding Steers to Gain Three Pounds Daily.
11:45 10:45 9:45 8:45
KWSC (348.6m-860kc) Controlling Plant Diseases by Treating the Soil.

Wednesday, February 10

Eastern	Central	Mountain	Pacific
1:15 p. m.	12:15 p. m.	11:15 a. m.	10:15 a. m.

WOC (483.6m-620kc) The A B C's of Dairying—"A".
1:35 12:35 11:35 10:35
KSAC (340.7m-880kc) Preparation of Farrowing Quarters.
1:45 12:45 11:45 10:45
WMAQ (447.5m-670kc) Radio farm school.
WOI (270m-1110kc) Poultry husbandry.
2 1 12 n. 11
KFKX (288.3m-1040kc), Dairy day.
7:15 6:15 5:15 p. m. 4:15 p. m.
WKAR (285.5m-1050kc) Orchard Fertilization and Soil Management. Pruning and Training the Bush Fruits.
8:15 7:15 6:15 5:15
KSAC (340.7m-880kc) Road Material Resources of Kansas. Tire Economy.
9:05 8:05 7:05 6:05
KFAB (340.7m-880kc) The Out-of-Doors in February. The Cow-Testing Association—Bookkeeping for Cows.

Thursday February 11

Eastern	Central	Mountain	Pacific
1:15 p. m.	12:15 p. m.	11:15 a. m.	10:15 a. m.

WOC (483.6m-620kc) Sweet Clover — Once an Enemy, Now a Friend.
1:35 12:35 11:35 10:35
KSAC (340.7m-880kc) Planting Time for Poultry Profits. Stories from the 1925 Account Book.
1:45 12:45 11:45 10:45
WMAQ (447.5m-670kc) Radio farm school.
WOI (270m-1110kc) Farm crops.
2 1 12 n. 11
KFKX (288.3m-1040kc) Talk.
7:15 6:15 5:15 p. m. 4:15 p. m.
WKAR (285.5m-1050kc) Feeding the Dairy Herd. Farm Butter-making. Ice Cream in the Home.
8 7 6 5
KSO (242m-1240kc) Farm talk.
8:30 p. m. 7:30 p. m. 6:30 p. m. 5:30 p. m.
WOI (270m-1110kc) Seed Corn.
WEAO (293.9m-1020kc) Getting Ready for Baby Chicks.
9:30 8:30 7:30 6:30
KOA (322.4m-930kc) Farm question box.

Friday, February 12

Eastern	Central	Mountain	Pacific
1:15 p. m.	12:15 p. m.	11:15 a. m.	10:15 a. m.

WOC (483.6m-620kc) Special farm service day.
1:35 12:35 11:35 10:35
KSAC (340.7m-880kc) Common Intestinal Worms of Hogs. Care of the Young Foal.
1:45 12:45 11:45 10:45
WOI (270m-1110kc) Agricultural Economics.
2 1 12 n. 11
KFKX (288.3m-1040kc) Special Farm Service day.
WMAQ (447.5m-670kc) Radio farm school.
7:15 6:15 5:15 p. m. 4:15 p. m.
WKAR (285.5m-1050kc) Wheat and Chaff. Lincoln's Agricultural Vision. Experiments with Beans at the Michigan Experiment Station. Bean Growing.
8 7 6 5
KSO (242m-1240kc) Farm talk.
8:45 7:45 6:45 5:45
WCCO (416.4m-720kc) Flower Growing.
10:45 9:45 8:45 7:45
KOAC (280.2m-1070kc) Care of the Auto's Gasoline Supply System.
11:30 10:30 9:30 8:30
KWSC (348.6m-860kc) Trees for Farm Woodlot and Ornamental Planting. Importance of High Class Cows to Farm Profits.

Markets and Weather

Daily Except Sunday

Eastern	Central	Mountain	Pacific
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.

WFAA (475.9m-630kc) Markets.
WOAW (526m-570kc) Markets.
9:45 8:45 7:45 6:45
KDKA (309.1m-970kc) Livestock, grain.
10 9 8 7
WLS (344.6m-870kc) Livestock, markets, fruit.
WOS (440.9m-680kc) Hogs.
10:30 9:30 8:30 7:30
KFKX (288.3m-1040kc) Weather, hog market, local produce, hay, Chicago Board of Trade futures.
KTCL (305.9m-980kc) Weather, sheep, quotations.
WFAA (475.9m-630kc) Markets.
WOI (270m-1110kc) Weather.
10:45 9:45 8:45 7:45
WCCO (416.4m-720kc) Markets.
WMC (499.7m-600kc) Weather, markets.
11 10 9 8
WBAP (475.9m-630kc) Markets, quotations.
WOS (440.9m-680kc) Weather, hogs.
11:15 10:15 9:15 8:15
WTAG (268m-1120kc) Markets, weather.
11:30 10:30 9:30 8:30
KFKX (288.3m-1040kc) Weather, Chicago Board of Trade, livestock, Chicago and New York butter and egg market, local produce.
WCCO (416.4m-720kc) Markets.
WEAR (389.4m-770kc) Markets, weather.
11:45 10:45 9:45 8:45
WAAW (384.4m-780kc) Livestock, butter, eggs.
12 n. 11 10 9
KDKA (309.1m-970kc) Weather, livestock, grain.
WBAP (475.9m-630kc) Weather, cattle, grain.
WEAR (389.4m-770kc) Markets, weather.
WHAD (275m-1090kc) Weather, markets.
WLS (344.6m-870kc) Poultry, dairy, hogs, sheep.
WOS (440.9m-680kc) Livestock, poultry, eggs, grain.
12:30 p. m. 11:30 10:30 9:30
KFKX (288.3m-1040kc) Livestock, fruit, vegetables, dairy.
WEAR (384.4m-780kc) Markets, weather.
WFAA (475.9m-630kc) Markets.
1 12 n. 11 10
WBAP (475.9m-630kc) Markets.
WHT (238m-1260kc) Fruit, weather.
WOS (440.9m680kc) Livestock, weather.
1:05 12:05 p. m. 11:05 10:05
KMA (252m-1190kc) Markets and weather.
1:30 12:30 11:30 10:30
KTHS (374.8m-800kc) Markets, weather.
KFKX (288.3m-1040kc) Weather, livestock, patato market, apples.
WFAA (475.9m-630kc) Markets.
WOAW (526m-570kc) Markets.
WOI (270m-1110kc) Weather, livestock.
1:35 12:35 11:35 10:35
KPO (428.3m-700kc) Butter, eggs, cheese, poultry.
1:45 12:45 11:45 10:45
KOA (322.4m-930kc) Weather, roads, livestock, poultry.
2 1 12 n. 11
WOC (483.6m-620kc) Weather, grain, livestock, dairy.
WOS (440.9m-680kc) Grain.
2:15 1:15 12:15 p. m. 11:15
WAAW (384.4m-780kc) Grain markets.
2:30 1:30 12:30 11:30
WCCO (416.4m-720kc) Markets, weather.
WFAA (475.9m-630kc) Markets.
3 2 1 12 n.
WLS (344.6m-870kc) Livestock, grain, dairy, fruit, vegetables.
WOS (440.9m-680kc) Livestock, markets, grain.
3:30 2:30 1:30 12:30 p. m.
WFAA (475.9m-630kc) Markets.
WMC (499.7m-600kc) Markets, weather.
3:50 2:50 1:50 12:50
WWJ (352.7m-850kc) Weather, markets.
4 3 2 1
KFKX (288.3m-1040kc) Weather, Chicago Board of Trade futures, Kansas City cash grain report, Omaha grain, livestock.
WCCO (416.4m-720kc) Markets.
WCX (516m-580kc) Stocks and grain.
4:30 3:30 2:30 1:30
WEAR (389.4m-770kc) Markets, weather.
WFAA (475.9m-630kc) Markets.
5:50 4:50 3:50 2:50
WDAF (365.6m-820kc) Markets, weather, road reports.
WHAS (399.8m-750kc) Markets.
6:30 5:30 4:30 3:30
KSAC (340.7m-880kc) Markets.
6:45 5:45 4:45 3:45
WIP (508.2m-590kc) Livestock, markets.
6:50 5:50 4:50 3:50
WHAD (275m-1090kc) Markets.
7:30 6:30 5:30 4:30
KMA (252m-1190kc) Markets and weather.
KSAC (340.7m-880kc) Market review.
7:45 6:45 5:45 4:45
KFWA (261m-1150kc) Market reports.
8 7 6 5
KFKX (288.3m-1040kc) Weather, livestock, Boston wool, Omaha grain.
KOA (322.4m-930kc) Sheep, markets, livestock, poultry.
9 8 7 6
WAAW (384.4m-780kc) Marketgrams and talks.
11 10 9 8
WCCO (416.4m-720kc) Weather, grain.

WNAC BROADCASTS CHICAGO CIVIC

Ind-

Saturday, F

Eastern Central
7:30 p. m. 6:30 p. m.
WFAA.
8 7
WAMD, WLS.
9 8
WBBM, WEAF, WENR, WNYC.
10 9
KFAB, KPRC, WBBM, WMBB, WREO.
11 10
KFVE, KFWB, KNX, K WOK, WQJ, WRC.
12 11
KNX KOIL, KPO, KPRC WOK, WQJ.
1 a. m. 12 m.
KFWB, WDAF, WBBM, WQJ, WSAI.
2 1 a. m.
KNX, WBBM, WENR,

Sunday, F

Eastern Central
9 p. m. 8 p. m.
WBBM.
10 9
WBBM, WMBB.
11 10
WMBB.
12 11
KNX, KTHS.
1 a. m. 12 m.
KFWB, WBBM.
2 1 a. m.
KFWB.

Monday, F

Eastern Central
7 p. m. 6 p. m.
WBBM, WFAA, WOAW
8 7
WGBS.
9 8
WCAU, WEAF, WGR,
10 9
KFAB, WGR, WKBC, WSOE.
11 10
KFAB, KFVE, WOK.
12 m. 11
KLX, KNX, KOIL, W
1 a. m. 12 m.
KFWB, KLX, WAHG, WOK.
2 a. m. 1 a. m.
KFWB.

Tuesday,

Eastern Central
7 p. m. 6 p. m.
WMCA, WOAW.
8 7
WBBM, WEAR.
9 8
WBBM, WEAB, WBZ,
10 p. m. 9 p. m.
WBBM, WMBB, WOA

Monday, F

Gypsies; 10, Scotty Holmes marimba band.

WFI, Philadelphia, Pa. (39 room ensemble; 3, Compos phia Music club; 6:30, Be chestra; 7, Bellevue Stratfo

WGBS, New York, N. Y. (Frieda Gluckman, pianist Florence Loftus, soprano; C Premiere club orchestra; association; orchestra.

WGCP, New York, N. Y. race results; 8:30, Loomis talk to boys; 9:10, Perry quartet; 9:45, Bob Ward 10, Strickland's orchestra.

WGY, Schenectady, N. Y. (o. Asia restaurant orchestra; 2:30, talks, cooking lesson, Jessie B. Lane; Diptheria and Smallpox," Dr. Helen dinner program, Porter E. Potts' Ho orchestra; 7, WGY agricultural prog 7:45, program, Schenectady Boy Scou orchestra; Marion Wells, pianist; "I clations" series, William L. Widdemer.

WHAR, Atlantic City, N. J. (275m-109 Seaside hotel trio; 7:30, talk; dance Seaside hotel trio; 11:30, orchestra.

WHAZ, Troy, N. Y. (379.5m-790kc), night; 9:30, "X-rays," Dr. R. A. Patt pus serenaders, students' orchestras.

WHN, New York, N. Y. (361.2m-830kc), mann's dinner music; 6:30, Daddy Di Box; 6:45, Littmann's dinner music; 7 Swanee entertainers; 8, "Storage B Roseland dance orchestra; 10, Shan 10:30, Anatol Friendland; 11, Cotton 11:30, Silver Slipper orchestra; 12-12: orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc) setting-up exercises; 7, setting-up exer Gimbel tea room orchestra; 3, artist ence Fuhrman School of Music; 4, Housewives; 6:05, Benjamin Franklin tra; 7, Uncle Wip's bedtime stories; by Miller Conservatory of Dancing.

WJR, Pontiac, Mich. (516.9m-580kc), Goldkette's Petite symphony orchestra; and Harmonic balancer; 9, Palge S 11:30, Jewett Radio Jesters, Merry O

WKAR, Lansing, Mich. (285.5m-1050kc) home economics course.

WLIT, Philadelphia, Pa. (394.5m-760kc daily almanac; Stanley theater organ cafe concert orchestra; 2, Arcadia c chestra; 4:30, recital; 7:30, Dream stories; 8, talk; 8:30, recital; 9, S Music; movie review, James A. Nass cafe dance orchestra; 10:30, Fay's vaudeville feature; 10:45, El Patio

WLWL, New York, N. Y. (288.3m-10 Boris Popovitzky; 9:15, songs; 9:30 10, musicale; 10:30, Belale quartet.

WMAK, Buffalo, N. Y. (266m-1130kc daily news; 7:30-8:30, musical program, man and his serenaders; 8:30-9, program, ple theater.

WMBF, Miami Beach, Fla. (384.4m-780kc), 7-9 p. Fleetwood Radio orchestra; 10-1 a. m., Gene Fost and his orchestra; Fleetwood Radio orchestra.

WMCA, New York, N. Y. (340.7m-880kc), 6-6:30 p. m., Olcott Vail and his Hotel McAlpin strin ensemble; 6:30-7:30, Ernie Golden and his Hotel McAlpin orchestra; 7:30-8, Kurtz Karnival Kings; 8-9, Terminal music hour; 9-9:30, lecture on Christian Science, Hon. Wm. E. Brown; 10:15-11:30, Barclay Radio program; 11:30-12, Jack Denny and his Frivolity orchestra.

WNYC, New York, N. Y. (526m-570kc), 6:20 p. m., piano selections; 6:30, German lessons; 7, advanced

Quintangle orchestra, Harris cafe, 9:10, dinner music; 7, Radio school talk, Helen Anderson.

KMA, Shenandoah, Iowa (252m-1190kc), 6-7 p. m., Pollyana stories; 9-11, Farnham trio, "How-Do-You-Do Boys."

KOIL, Council Bluffs, Iowa (278m-1080kc), 7:30 p. m., Woodward's program; 9, Ray Winn's orchestra; 10, Jean Stirling, director; 11, Al Reese and his Broadway orchestra.

KPRC, Houston, Tex. (296.9m-1010kc), 7:30 p. m., trio; 6 p. m., R. F. D. school program; WLS string trio.

WLW, Cincinnati, Ohio (422.3m-700kc), 7:30 a. m., healthful exercises, William Stradtman of Physical department of Y. M. C. A.; 8, morning devotions, auspices Parkway Y. M. C. A.; 12:05 p. m., religious services, Rev. George H. Kase; 4, concert, Monday Musical club; 7, dinner concert, Hotel Gibson, Robert Visconti, director; 7:30, Y. M. C. A. basketball game

KFI's Seeing California; 6:30, rest pocket program; 6:45, Radiotorial period; 7-8, Chinese Gardens dance orchestra; 8-9, program, pupils of Myra Belle Vickers; 9-10, simultaneous broadcast of KFI's program to KPO; 10-11, program of popular music, Meiklejohn Brothers.

KFOA, Seattle, Wash. (453.3m-660kc), 7-8:15 p. m., Sherman Clay program; 8:30-10, Times studio program.

WNAC BROADCASTS CHICAGO CIVIC OPERA COMPANY IN "IL TROVATORE"

Index to Popular Concerts

Saturday, February 6

Eastern 7:30 p. m. | Central 6:30 p. m. | Mountain 5:30 p. m. | Pacific 4:30 p. m.
WFAA.
8 | 7 | 6 | 5
WAMD, WLS.
9 | 8 | 7 | 6
WBBM, WEAF, WENR, WGBS, WLS, WMAQ, WNYC.
10 | 9 | 8 | 7
KFAB, KPRC, WBBM, WENR, WGN, WLS, WMBB, WREO.
11 | 10 | 9 | 8
KFVE, KFWB, KNX, KTHS, WBBM, WMBB, WOK, WQJ, WRC.
12 | 11 | 10 | 9
KNX, KOIL, KPO, KPRC, WBBM, WLS, WOAW, WOK, WQJ.
1 a. m. | 12 m. | 11 | 10
KFWB, WDAF, WBBM, WEBH, WENR, WOK, WQJ, WSAI.
2 | 1 a. m. | 12 m. | 11
KNX, WBBM, WENR, WQJ.

Sunday, February 7

Eastern 9 p. m. | Central 8 p. m. | Mountain 7 p. m. | Pacific 6 p. m.
WBBM.
10 | 9 | 8 | 7
WBBM, WMBB.
11 | 10 | 9 | 8
WMBB.
12 | 11 | 10 | 9
KNX, KTHS.
1 a. m. | 12 m. | 11 p. m. | 10
KFWB, WBBM.
2 | 1 a. m. | 12 m. | 11
KFWB.

Monday, February 8

Eastern 7 p. m. | Central 6 p. m. | Mountain 5 p. m. | Pacific 4 p. m.
WBBM, WFAA, WOAW.
8 | 7 | 6 | 5
WGBS.
9 | 8 | 7 | 6
WCAU, WEAF, WGR, WKRC, WOK
10 | 9 | 8 | 7
KFAB, WGR, WKRC, WMCA, WOAW, WOK, WSOE.
11 | 10 | 9 | 8
KFAB, KFVE, WOK.
12 m. | 11 | 10 | 9
KLX, KNX, KOIL, WAMD, WHO, WOK.
1 a. m. | 12 m. | 11 | 10
KFWB, KLX, WAHG, WDAF, WHT, WKRC, WOK.
2 a. m. | 1 a. m. | 12 m. | 11
KFWB.

Tuesday, February 9

Eastern 7 p. m. | Central 6 p. m. | Mountain 5 p. m. | Pacific 4 p. m.
WMCA, WOAW.
8 | 7 | 6 | 5
WBBM, WEAR.
9 | 8 | 7 | 6
WBBM, WEAR, WBZ, WSB.
10 p. m. | 9 p. m. | 8 p. m. | 7 p. m.
WBBM, WMBB, WOAW.

Eastern 11 p. m. | Central 10 p. m. | Mountain 9 p. m. | Pacific 8 p. m.
KFVE, KFWB, KNX, WBBM, WHT, WMBB, WOK, WQJ
12 m. | 11 | 10 | 9
KNX, KOIL, KPO, WAMD, WBBM, WFAA, WKRC, WMC, WOK, WQJ.
1 a. m. | 12 m. | 11 | 10
KFWB, KNX, WFAA, WHT, WOAW, WOK, WQJ.
2 | 1 | 12 m. | 11
KFWB, WQJ.

Wednesday, February 10

Eastern 8 p. m. | Central 7 p. m. | Mountain 6 p. m. | Pacific 5 p. m.
KFNF, WAHG, WEBJ, WEEI, WMCA.
9 | 8 | 7 | 6
WBBM, WEBJ, WGCP, WNYC.
10 | 9 | 8 | 7
KFAB, KPRC, WBBM, WGCP, WHO, WMBB.
11 | 10 | 9 | 8
KFAB, KFVE, KGW, KPO, KWSC, KYW, WBBM, WHN, WMBB, WOK, WQJ.
12 m. | 11 | 10 | 9
KFWA, KFWB, KNX, KYW, WAMD, WOK, WQJ, WSAI.
1 a. m. | 12 m. | 11 | 10
KNX, KYW, WBBM, WHT, WOK, WQJ.
2 | 1 a. m. | 12 m. | 11
KFWB, KNX, WBBM, WOK, WQJ.

Thursday February 11

Eastern 8 p. m. | Central 7 p. m. | Mountain 6 p. m. | Pacific 5 p. m.
WCAE, WEAF, WJAR, WMC, WOC, WSAI.
9 | 8 | 7 | 6
WBBM, WHAD.
10 | 9 | 8 | 7
KMA, WBBM, WEEI, WHAD, WHN, WMBB, WMC, WNYC, WOAW, WSOE.
11 | 10 | 9 | 8
KHJ, KMA, KYW, WBBM, WMBB, WOK, WQJ
12 m. | 11 | 10 | 9
KHJ, KTAB, KOIL, WBBM, WDAF, WEAA, WKRC, WOC, WOK, WQJ.
1 a. m. | 12 m. | 11 | 10
KFWB, KHJ, WHT, WOK, WQJ.
2 | 1 a. m. | 12 m. | 11
KNX, WQJ.

Friday, February 12

Eastern 8 p. m. | Central 7 p. m. | Mountain 6 p. m. | Pacific 5 p. m.
WGCP, WJR.
9 | 8 | 7 | 6
WAMD, WBBM, WGR, WLS.
10 | 9 | 8 | 7
KFAB, WBBM, WMC, WDAF, WHAD, WMBB, WOAW, WSOE.
11 | 10 | 9 | 8
KFVE, KFWA, KHJ, KLX, KYW, WMBB, WOK, WQJ.
12 m. | 11 | 10 | 9
KFWB, KHJ, KNX, KOIL, WAMD, WMC, WOK, WQJ
1 a. m. | 12 m. | 11 | 10
KFWB, KHJ, WDAF, WHT, WOK, WQJ.
2 | 1 a. m. | 12 m. | 11
KNX, WQJ.

WTIC, Hartford, has a birthday party, Wednesday, February 10. Among the artists are the Harmony entertainers, the three attractive young ladies below. Walter B. Seale, baritone, left, may be heard from WOAN, Lawrenceburg, every evening between 9 and 10 p. m. Central time. He has a fine baritone voice. H. V. Kaltenborn, right, is the associate editor of the Brooklyn Daily Eagle. Every Monday evening he speaks on current events of the week at WOR, Newark. He often brings the fans news events not yet in print.

Monday, February 8

Gypsies; 10, Scotty Holmes and his orchestra; Imperial marimba band.

WFI, Philadelphia, Pa. (394.5m-760kc), 1 p. m., tea room ensemble; 3, Composers' day concert, Philadelphia Music club; 6:30, Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra.

WGBS, New York, N. Y. (315.6m-950kc), 1:30 p. m., Frieda Glickman, pianist; Bill Bietz, songs; 3:15, Florence Loftus, soprano; Clifford Odetts, reader; 6:30, Premiere club orchestra; 7, talk, American Bankers association; orchestra.

WGCP, New York, N. Y. (252m-1190kc), 1.15 p. m., race results; 8:30, Loomis orchestra; 9, Philip Wolf, talk to boys; 9:10, Perry Bradford and Cotton Belt Quartet; 9:45, Bob Ward and Three Little Wards; 10, Strickland's orchestra.

WGY, Schenectady, N. Y. (379.5m-790kc), 2 p. m., Asia restaurant orchestra; 2:30, music, household talks, cooking lesson, Jessie B. Lane; "Stamping Out Diphtheria and Smallpox," Dr. Helen Zillmer; 6:30, dinner program, Porter E. Potts' Hotel Van Curler orchestra; 7, WGY agricultural program, addresses; 7:45, program, Schenectady Boy Scouts; 8:05, WGY orchestra, Marion Wells, pianist; "Literary Appreciations" series, William L. Widdemer.

WHAR, Atlantic City, N. J. (275m-1090kc), 2 p. m., Seaside hotel trio; 7, 9, talk; dance orchestra; 8, Seaside hotel trio; 11, orchestra.

WHAZ, Troy, N. Y. (379.5m-790kc), 9 p. m., Elks' night; 9:30, "X-rays," Dr. R. A. Patterson; 11, Campus serenaders, students' orchestras.

WHN, New York, N. Y. (361.2m-830kc), 6 p. m., Littmann's dinner music; 6:30, Daddy Dingle and Jingle Box; 6:45, Littmann's dinner music; 7:30, Joe Ward's Swanee entertainers; 8, "Storage Batteries"; 8:05, Roseland dance orchestra; 10, Shanley's orchestra; 10:30, Arnold Friedland; 11, Cotton club orchestra; 11:35, Silver Slipper orchestra; 12-12:30, Parody club orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:45 a. m., setting-up exercises; 7, setting-up exercises; 1 p. m., Gimbel tea room orchestra; 3, artist recital by Clarence Fuhrman School of Music; 4, Market Hints to Housewives; 6:05, Benjamin Franklin concert orchestra; 7, Uncle Wip's bedtime stories; dancing lessons by Muller Conservatory of Dancing.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Jean Goldkette's Petite symphony orchestra; 7:45, Goodwill and Harmonic balancer; 9, Paige Six, Jewett Six; 11:30, Jewett Band, Jesters, Merry Old Chief.

WKAR, Lansing, Mich. (285.5m-1050kc), 7:15-8 p. m., home economics course.

WLIT, Philadelphia, Pa. (394.5m-760kc), 12:02 p. m., daily almanac; Stanley theater organ recital; Arcadia cafe concert orchestra; 2, Arcadia cafe concert orchestra; 4:30, recital; 7:45, Dream Daddy's bedtime stories; 8, talk; 8:30, recital; 9, Stanley Hour of Music; movie review, James A. Nassau; 10, Arcadia cafe dance orchestra; 10:10, Fay's Knickerbocker vaudeville feature; 10:45, El Patio dance orchestra.

WLWL, New York, N. Y. (288.3m-1040kc), 9 p. m., Boris Popovitzky; 9:15, [illegible]; 9:30, question box; 10, musicale; 10:30, Belgi quartet.

WMAK, Buffalo, N. Y. (266m-1130kc), 7:15 p. m., daily news; 7:30-8:30, musical program, Murray Whiteman and his serenaders; 8:30-9, program, New Olympic theater.

WMBF, Miami Beach, Fla. (384.4m-780kc), 7-9 p. m., Fleetwood Radio orchestra; 10-1 a. m., Gene Fosdick and his orchestra; Fleetwood Radio orchestra.

WMCA, New York, N. Y. (340.7m-880kc), 6:30 p. m., Olcott Vail and his Hotel McAlpin string ensemble; 7, Ernie Golden and his Hotel McAlpin orchestra; 7:30-8, Kurtz Karnival Kings; 8:30, Terminal [illegible] lecture on Christian Science, [illegible] Radio program [illegible]

WNYC, New York, N. Y. (526m-570kc), 6:20 p. m., [illegible]

German lessons; 7:35, dance program; 9, shorthand contest; 10:10, Board of Education lecture; 10:35, Richmond Versatile orchestra.

WOO, Philadelphia, Pa. (508.2m-590kc), 11 a. m., organ recital; 12.12 p. m., Golden's Crystal tea room orchestra; 4:45, organ recital; 7:30, Hotel Sylvania dance orchestra; 8, Pop concert; 9, A. and P. Gypsies; 10, grand opera, "Thais," WEAF Grand Opera company; 11, Sylvania dance orchestra.

WPG, Atlantic City, N. J. (299.8m-1000kc), 4:30 p. m., Chalfonte-Haddon hall afternoon tea music; 6:45, Arthur Scott Brook, organist; 7, Hotel Morton dinner music; 8, "Catching Cold," Dr. Clarence L. Andrews; 8:15, "Messiah," Atlantic City Festival choir; 10, Galen hall trio; 11, Silver Slipper Supper club.

WRC, Washington, D. C. (468.5m-640kc), 12 noon, Henri Smidt-Gregor, organist; 1 p. m., Shoreham hotel orchestra; 4:30, musicale.

WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., dinner concert, Speed-Wagon Serenaders; Gold Standard ensemble.

WRVA, Richmond, Va. (256m-1170kc), 7 p. m., children's program; 8:10, character songs, George Rianhard and George Jr.; piano duets, ukulele; 9, travelogue, Dr. Douglas Freeman; 9:10, instrumental trio; 9:30, male chorus, assisted by soprano soloist, violinist, pianist; 11, "Carry Me Back to Old Virginny."

WTAG, Worcester, Mass. (268m-1120kc), 10:30 a. m., musical selections; 12:05-2 p. m., noon-day luncheon music, WTAG, Will Hardy, director; 7, science talk, Fred D. Aldrich; 7:15, "Twilight Scouts"; 7:45, official Boy Scout announcements, Joseph Wadleigh; 9-10, Robin Hood hour of music, Arthur Crosbie, director; 10-11, grand opera, "Thais," WEAF, Cesare Sodero, director.

WTAM, Cleveland, Ohio (389.4m-770kc), 12:15-1:15 p. m., Austin Wylie's Vocalion Recording orchestra; 6-7, dinner hour music, Guy Lombardo and his Royal Canadians; 8-11, Willard Symphony orchestra, Walter Logan, director; 11-12, dance music, Austin Wylie's Recording orchestra; 12-1 a. m., dance music, Guy Lombardo and his Royal Canadians.

WTIC, Hartford, Conn. (475.9m-630kc), 11 a. m., "First Aid," Irene Muller; 11:15, "South America," Henry Francis Marandez; 11:25, Beatrice Torgan, violinist; 12:05, Travelers club orchestra; 6:30, Mrs. Bessie Lillian Taft, children's story teller; 6:50, Hub trio; 9, Irish ballads, Anthony McKenna; 9:15, rollicking sea songs, Fred Widen; 9:30, Emil Heimberger's Hotel Bond orchestra; 10:30-12, Travelers' symphonic ensemble, Travelers' ladies' quartet.

WWJ, Detroit, Mich. (352.7m-850kc), 12:05 p. m., Jules Klein's Hotel Statler orchestra; 3, Detroit News orchestra; 6, dinner concert; 8, A. & P. Gypsies.

Central Time Stations

CKY, Winnipeg, Can. (384.4m-780kc), 8 p. m., University lecture; 9, concert, Knights of Pythias; 11, revue, Metropolitan theater.

KFAB, Lincoln, Nebr. (340.7m-880kc), 8:30-10:30 p. m., Douglas brothers and Will Frundell quartet; Belshaw's orchestra; Cow Bell boys, violin and guitarist; Gloomy Gus, entertainer; Ed Ellingson, original songbird; Harmony boys, vocalists.

KFKU, Lawrence, Kans. (275m-1090kc), 7 p. m., "Wonders of Our Modern Transportation Machine," Prof. F. A. Russell; 7:15, musical program, School of Fine Arts; Ruth Whitfield, pianist; vocal duets, Albertine Cox, Marjorie Taylor; 7:40, sports question box, John W. Bunn, director.

KFMQ, Fayetteville, Ark. (299.8m-1000kc), 7:30 p. m., farmers' program; 8, Mary Margaret Anders, reader.

KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., concert, Henry Field Seed company.

KFRU, Columbia, Mo. (499.7m-600kc), 4:30-5:30 p. m., Quadrangle orchestra, Harris' cafe; 6:15, dinner music; 7, Radio school talk, Helen Anderson.

KMA, Shenandoah, Iowa (252m-1190kc), 6-7 p. m., Pollyana stories; 9-11, Farnham trio, "How-Do-You-Do Boys."

KOIL, Council Bluffs, Iowa (278m-1080kc), 7:30 p. m., Woodward's program; 9, Ray Winn's orchestra; 10, Leon Sieling, director; 11, Al Reese and his Broadway orchestra.

KPRC, Houston, Tex. (296.9m-1010kc), 7:30 p. m., Record's Ramblers dance orchestra; 8:30, studio concert.

KSAC, Manhattan, Kans. (340.7m-880kc), 9-9:25 a. m., music, inspirational talk, agricultural primer, calisthenics; 9:55-10:25, readings, backyard gossip, question box; planning today's meals; 12:35-1:05 p. m., readings, question box; 4:30-5, Third Year English literature, high school credit; 6:30-7:30, talks; book review, current events; Extension Credit course, Sociology.

KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., addresses, Boy Scouts program, Dan Beard, Gen. Sir Baden Powell; 8, fur hour; 9, concert, W. M. Jenkins.

KSO, Clarinda, Iowa (242m-1240kc), 12:30-1:15 p. m., concert; music; garden club; Sunday school lesson; dinner concert; 7-7:30, music; 7:30-9, Allen Bair, children's program.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9-9:45 p. m., New Arlington hotel orchestra; 9:45-10, Lawson Reid, organist; 10-11, Brick English and his 10-piece novelty orchestra.

KYW, Chicago, Ill. (536m-560kc), 7:30 a. m., morning family worship; 11:35, table talk, Mrs. Anna J. Peterson; 1-2 p. m., Joshka DeBabary and his orchestra; Coon-Sanders orchestra; 6, dinner music, KDKA.

WAFD, Port Huron, Mich. (275m-1090kc), 12 p. m.-2 a. m., studio program, dance orchestra.

WAMD, Minneapolis, Minn. (244m-1230kc), 12 m., popular musical program; Collia Dare, contralto; Bee Lowell, accompanist; Roy Nowack, banjo; Jack Leeman, clarinet; Chuck Johnson, uke; 5:45 p. m., WAMD Boys' A. C.; 6:30, WAMD "Traffic Squad," Earle Buell, recruiting officer; 7:01, Garrick theater symphony orchestra, Fred Heiseke, director; 9, popular musical program; 11, Skyrocket frolic, George Osborn and his orchestra.

WBBM, Chicago, Ill. (226m-1330kc), 4-6 p. m., Valentino Inn orchestra, artists; 6-7, Two Jays, Charlie Garland, Miss Dixon, harpist; artists; WBBM string trio artists.

WCAL, Northfield, Minn. (336.9m-890kc), 8:30 p. m., musical program.

WCCO, Minneapolis-St. Paul, Minn. (416m-720kc), 12 m., noon concert, Donaldson's orchestra; 2:30 p. m., afternoon concert; 4, readers' club; 5:30, children's hour; 6, dinner concert, Gordon Cooke ensemble, Meta Ashwin Birnbach, soprano, Louise Lupien Jenkins, accompanist; 7, program, WEAF; Boy Scouts' program: speakers, Dan Beard and Baden Powell; 8, Univ. of Minnesota program; 9, classical concert.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., The Tell-Me-a-Story lady; addresses, Edmund E. Morris; The Trianon ensemble; 8-9:30, program, Ivanhoe band, Walter A. French, director; Ivanhoe Glee club, Edward H. Gill, director; Julian Amelung, accompanist; 11:45-1 a. m., Ted Weem's Victor Recording orchestra.

WDOD, Chattanooga, Tenn. (256m-1170kc), 6:30-7 p. m., organ music, Tivoli theater; 7-8, Hotel Patten orchestra; 8:15, special features and program.

WFAA, Dallas, Tex. (475.9m-630kc), 4:30-5 p. m., Cyrus Barcus, cornetist; 6:30-7:30, Artie Collins and his orchestra; 8:30-9:30, Sears-Roebuck Agricultural Foundation program.

WGN, Chicago, Ill. (302.8m-990kc), 10-10:20 a. m., good health and training; 10:20-11, entertainment for shut-ins; 12:40-2:30 p. m., luncheon concert, Drake concert ensemble; 2:30-3, Lyon and Healy artists' series; 3:30-4:15, tea time music, Marshall Field's tea room orchestra; 5:30-5:57, Skeezix time; 6:30-7, dinner concert, Drake concert ensemble.

WHAD, Milwaukee, Wis. (275m-1090kc), 11 a. m., planologue, Andy Hertel; 4 p. m., Trixy Ann Troy, ukulele; 6:15-7, Bill Benning's Milwaukee Athletic club orchestra; 8-10, Marquette university studio program.

WHAS, Louisville, Ky. (399.8m-750kc), 1-2 p. m., Royal Peacock orchestra; 3-3:30, Mrs. Myrtle Fulks Zahn, Jr., organist; 4-5, concert, Music Box; editorials; fashion talk, Peggy True.

WHO, Des Moines, Iowa (526m-570kc), 7:30-9 p. m., faculty members of Drake university conservatory of music, Dean Holmes Cowper, director; 11-12, Bankers Life Corn Sugar orchestra.

WIBO, Chicago, Ill. (226m-1330kc), 10-11 a. m., shoppers' bureau, Grace Viall Gray; 2-4 p. m., Ted Fiorito, pianist; Dan Russo, violinist; Victor Young, violinist.

WKAF, Milwaukee, Wis. (261m-1150kc), 10-11 p. m., Orpheus quartet; Lucille Nelster, violinist; Sidney Tarachow, cellist.

WKRC, Cincinnati, Ohio (422.3m-710kc), 8 p. m., dinner music, Alvin Roehr's orchestra; 8, vocal and instrumental program, Eugene Perazzo; 9, program, auspices R. E. Bentley; 9:30, Tenth Infantry band; 12, midnight frolic.

WLS, Chicago, Ill. (344.6m-870kc), 12 m., WLS string trio; 6 p. m., R. F. D. school program; WLS string trio.

WLW, Cincinnati, Ohio (422.3m-700kc), 7:30 a. m., healthful exercises, William Stradtman of Physical department of Y. M. C. A.; 8, morning devotions, auspices Parkway Y. M. C. A.; 12 05 p. m., religious services, Rev. George H. Kase; 4, concert, Monday Musical club; 7, dinner concert, Hotel Gibson, Robert Visconti, director; 7:40, Y. M. C. A. basketball question box; 7:40, Hotel Gibson orchestra; 8, Cincinnati Times-Star orchestra, William J. Kopp, director.

WMAQ, Chicago, Ill. (447.5m-670kc), 12.20 p. m., Junior Association of Commerce; 1, Radio farm school; 2, shut-in program; 4, Mothers in Council; 4:30, "Folbles of the Moment," Mrs. Graham Aldis; 4:40, Glenn Dillard Gunn School of Music; 5, children's games, Glenn Adams; 5.15, Topsy-Turvy time; 6, Chicago theater organ recital; 6:30, Hotel La Salle orchestra; 6:40, Family Altar league.

WMAZ, Macon, Ga. (261m-1150kc), 10-11 p. m., orchestra music; Georgians; Bob Lee.

WMC, Memphis, Tenn. (499.7m-600kc), 7:15 p. m., bedtime stories, Peter Pan and Tinker Bell; 8:45, Cortese ensemble.

WOAN, Lawrenceburg, Tenn. (282.8m-1060kc), 9-10 p. m., male quartet and orchestra; 11:30-1:30 a. m., special program.

WOAW, Omaha, Nebr. (526m-570kc), 12:45 p. m., Randall's Royal Fontenelle orchestra; 6, entertainment; 6:40, Insurance talk, Daniel D. Macklin; 6:50, Randall's Royal Fontenelle orchestra; 9, classical.

WOC, Davenport, Iowa (483.6m-620kc), 5:45-6 p. m., chimes.

WOI, Ames, Iowa (270m-1110kc), 12:30 p. m., college chimes; dairy production discussion, Prof. Earl Eaver; 7:30, automobile short course, Prof. G. I. Mitchell; 7:50, State college symphony orchestra, Oscar Hatch Hawley, director.

WRR, Dallas, Tex. (246m-1220kc), 6-7 p. m., Adolphus hotel; 8-9, Magnolia Petroleum company band; 11-12, Jack Gardner's orchestra; Virgil Whitworth, marimbaxylophonist.

WSAI, Cincinnati, Ohio (325.9m-920kc), 7-7:30 p. m., Boy Scout program; 8, A. and P. Gypsies, WEAF; 9, grand opera, WEAF; 10-12, Community Symphony orchestra and soloists; 12, Freda Sanker's orchestra.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., Biltmore hotel orchestra; 10:45, Vick Myers' orchestra.

WSM, Nashville, Tenn. (282.8m-1060kc), 6:30 p. m., concert, Francis Craig's orchestra; 7, bedtime story interlude; 8, program, artists; 10, program, Vito M. Pellettieri's orchestra.

WSUI, Iowa City, Iowa (483.6m-620kc), 12:30 p. m., soprano solos, Mrs. Dorothy Spencer; "Phases of Astronomy"; 4, current events, Prof. Stephen H. Bush; 7:30, College of the Air; 8:30, music faculty program.

Mountain Time Stations

CFAC, Calgary, Can. (435.8m-688kc), 9 p. m., ladies' concert trio, Gladys Webb Foster, director.

KFWA, Ogden, Utah (261m-1150kc), 4-5 p. m., organ recital, Paramount theater; 5-6, Ogden Radio Dealers' program.

KFXF, Colorado Springs, Colo. (250m-1200kc), 8:30 p. m., musical selections; 8:45-9, educational talk.

KOA, Denver, Colo. (322.4m-930kc), 12:15 p. m., Rialto theater musicale; 6:30, dinner concert, Brown Palace string orchestra, Howard Tillotson, director; 7:30, Sandman's hour; 8, Radio instruction in Spanish, Prof. Amanda Lopez Knecht; 8:30, instrumental program, Scheuerman's Colorado orchestra; 8:45, miscellaneous music, KOA orchestra and assisting soloists; 9, voice culture, John C. Wilcox; 9:30, miscellaneous music, KOA orchestra and assisting soloists.

KOB, State College, N. Mex. (348.6m-860kc), 7:30-8:30 p. m., farm talks.

KSL, Salt Lake City, Utah (299.8m-1000kc), 7:35 p. m., "Mussolini," George Thomas.

Pacific Time Stations

KFI, Los Angeles, Calif. (468.5m-640kc), 5:30-6 p. m., Owen Fallon's Californians; 6, nightly doings; 6:15, KFI's Seeing California; 6:30, vest pocket program; 6:45, Radiotorial period; 7-8, Chinese Gardens dance orchestra; 8-9, program, pupils of Myra Belle Vickers; 9-10, simultaneous broadcast of KFI's program to KPO; 10-11, program of popular music, Melklejohn Brothers.

KFOA, Seattle, Wash. (453.3m-660kc), 7-8:15 p. m., Sherman Clay program; 8:30-10, Times studio program.

DANCING

Central Time

Saturday, February 6: 8, Wjr, Wnyc, Wpg; 8:30, Wfaa; 8:35, Wgy; 9, Webh, Weei, Wmbb, Wnyc, Wrvo; 9:10, Kths, Wip; 9:30, Kths, Wgbs, Wor, Wrc; 10, Kfve, Kfwa, Koa, Kpo, Weaf, Wgn, Wjr, Wkrc, Wmca, Wnyc, Wor, Wqj, Wreo, Wtam; 10.05, Wcco; 10:30, Wamd; 10:45, Wis; 11, Kfog, Kfwa, Kfwb, Kpo, Webh, Wfaa, Wgbu, Who, Woc; 11:30, Kfoa; 11:45, Wdaf; 12, Kfwa, Kgo, Kgw, Knx, Wgbu, Wqjd.

Monday, February 8: 8, Wgcp; 9, Weei, Wgbu, Wjar, Wor; 9:15, Wahg; 10, Kths, Wgbu, Wgcp, Wgr, Wnyc, Wpg; 10:15, Wor; 10:30, Kfoa, Wgcp, Whn; 11, Kgw, Koil, Wgbu, Wgcp, Wgr, Whn, Who; 11:45, Wdaf; 12, Knx, Kpo.

Tuesday, February 9: 9, Webh, Wgbu, Wmbb; 9:30, Wcau, Wgbs, Wgy, Wip; 9:35, Wnyc; 10, Kfve, Wbbm, Weaf, Webh, Wgbu, Wgn, Whn, Wmca, Wnyc, Wpg; 10:15, Kths; 10:30, Kths, Whn; 10:45, Wsb; 11, Kgw, Koil, Wgbu, Whn; 11:30, Kfoa; 11:45, Wdaf; 12, Kgw, Khj, Knx, Kpo, Wdaf; 1, Wqj.

Wednesday, February 10: 9, Wcx, Webh, Wgbu, Wgcp, Whn, Who, Wmbb, Wmca, Wtic; 9:15, Wahg; 9:30, Wbap, Who, Wor; 10, Kfve, Wbap, Wdaf, Wgbu, Wgcp, Wqj; 10 05, Wcco; 10:30, Wbap, Whn; 11, Koil, Kpo, Webh, Wgbu, Wgcp, Wgy, Whn; 11:45, Wdaf; 12, Kfwa, Knx, Kpo, Wqjd.

Thursday, February 11: 8, Wjr; 9, Webh, Weei, Wgbu, Whn, Wjr, Wmbb, Wlt, Wtag; 9:05, Wbz, Wip; 9:30, Wgbs, Wgy, Who; 9:35, Wnyc; 10, Kths, Wbbm, Weaf, Wgbu, Who, Wmca, Wpg, Wqj; 10:30, Kths, Whn, Webh, Wgbu, Whn, Woc; 11:45, Wdaf; 12, Kgo, Khj, Knx, Kpo, Wqjd.

Friday, February 12: Wwj; 9, Wcx, Webh, Weei, Wgbu, Wgcp, Wmbb; 9:15, Wahg; 9:30, Wcau, Who; 10, Kfve, Kno, Kths, Wgbu, Wgcp, Whn, Wor, Wqj; 10:05, Wcco; 10:30, Wcco, Whn; 11, Kfwb, Knx, Kpo.

KFON, Long Beach, Calif. (233m-1290kc), 6-6:45 p. m., organ, Brayton's theater; 6:45-7.15, amusement information; 8-9, community service program, Municipal auditorium; 9-11, Echophone artists frolic.

KFWB, Hollywood, Calif. (252m-1190kc), 5-8 p. m., children's hour, Big Brother of KFWB; 7-7:30, program, Osborne, Kelsey company; Sol Hoopii's Hawaiians; Esther White, blues singer; Dan Gridley, tenor; 7:30, program, Dr. Ralph Mitchell and the Associated Dentists; Friendly Dentists orchestra; Bill Blake, tenor; 8-9, Bill Hatch and his Oakmont Country club orchestra; Lucille Snyder, soprano; Sol Hoopii's Hawaiians; 9-10, program, Star Motor Car company, Million Dollar Four orchestra; Ashley Sisters; 10-11, Warner Brothers frolic.

KGO, Oakland, Calif. (361.2m-830kc), 3-4 p. m., musical program; 6-6:55, twilight concert, Wiley B. Allen company; 8, Arion trio; "Chats About New Books," Joseph Henry Jackson; "Better English," Wilda Wilson Church; "Some Queer Cases I Have Known," Dr. Albertine R. Nash; "Short Story Writing—The Plotting of the Story," Rebecca S. Porter.

KGW, Portland, Ore. (491.5m-610kc), 7:15 a. m., Y. M. C. A. physical culture exercises; 9:45-11:30, Town Crier; 12:30-1:30 p. m., concert, Oregon Radio Trades association; 6-7, dinner concert, Olds, Wortman and King company; 8, concert, Willys-Overland Pacific company; 9-10, concert

KLX, Oakland, Calif. (508.2m-590kc), 4-5 p. m., women's hour; 5-5:30, Aunt Elsie's sunset matinee; 6:30-7, Athens Athletic club orchestra; 8-9, studio program; 9-10:30, meeting of the Protective Order of Lake Merritt Ducks.

KMTR, Hollywood, Calif. (238m-1260kc), 5-6 p. m., home hour, Mammy Simmons, Margaret Bond, Reeda McCormick, Helen Frances Levy and others; 7:15, Y. M. C. A. program; 8-10, the Turner orchestra, direction Loren Powell, Mme. Leontine de Ahna, contralto; 10-11, Starr Piano company studio.

KNX, Hollywood, Calif. (336.9m-890kc), 5-5:30 p. m., Sunny Jim's talk; 5:30, First Presbyterian church organ; 5:55, Town Tattler; 6:15, travel talk, W. F. Alder; 6:30-7, Atwater Kent concert orchestra; 7-7:30, Mutual Motors mirth contest; 7:30-8, studio program; 8-9, program, L. W. Stockwell company; 9-10, Glassmobile Minstrels in an old-time minstrel show; 10-11, Goodrich Silvertown Cord dance orchestra; Lilyan May Challenger, contralto; 11-12, Ambassador hotel dance orchestra.

KOAC, Corvallis, Ore. (280.2m-1070kc), 6:50 p. m., musical selections.

KPO, San Francisco, Calif. (428.3m-700kc), 7, 7:30, 8 a. m., daily dozen exercises; 1-2 p. m., Rudy Seiger's Fairmont hotel orchestra; 2:30-3:30, matinee program; 5:15-6:15, children's hour stories, Big Brother; 6:40, Waldemar Lind and the States restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel orchestra; 8-9, organ recital, Uda Waldrop; 9-10, KFI program; 10-11, Jack Coakley's Cabirians.

KTAB, Oakland, Calif. (240m-1250kc), 9-9:30 a. m., prayer service, Rev. E. L. Spaulding; 12-1 p. m., luncheon concert; 4-5, women's club notes; 8-10, program, Western States Life Insurance company.

KWSC, Pullman, Wash. (348.6m-860kc), 7:30-9 p. m., special piano program, F. C. Butterfield; Frosh vocal quartet; Marion Shepherd, violinist; "Psychology of Efficiency—No. 9, Cultivating Capacity for Judgment," Dr. F. F. Nalder.

Tuesday, February 9

Headliners Today

Eastern 6:30 p. m. | Central 5:30 p. m. | Mountain 4:30 p. m. | Pacific 3:30 p. m.
WGBS (315.6m-950kc) Provincetown players.
7:30 | 6:30 | 5:30 | 4:30
WJZ (454.3m-660kc), WGY, WRC, U. S. Marine band concert.
8:30 p. m. | 7:30 p. m. | 6:30 p. m. | 5:30 p. m.
WEAF (491.5m-610kc), WEEI, WFI, WCAE, WGR, WWJ, WOC, WJAR, WCCO, WEAR, KSD, WGN, Gold Dust Twins.
9 | 8 | 7 | 6
WIP (508.2m-590kc) Kaufmann instrumental trio.
WLW (422.3m-710kc) Old-time review.
11 | 10 | 9 | 8
KGO (361.2m-830kc) Metropolitan male singers.
KHJ (405.2m-740kc) Collegiate night.
KTHS (374.8m-800kc) Hot Springs Kiwanis club.
WOC (483.6m-620kc) Whizz Bang orchestra.
12 | 11 | 10 | 9
KOIL (278m-1080kc) Nautical dance orchestra.

Tuesday, silent night for: CFCA, CHIC, CKNC, CKY, CNRC, CNRE, CNRM, CNRO, CNRW, CNRT, KFKX, KFKU, KFMQ, KFUO, KFWA, KYX, KOA, KOAC, KOB, KUOM, KWSC, PWX, WABQ, WAHG, WAMD, WBBR, WCAD, WCAP, WGCP, WGST, WHAD, WHAZ, WJAD, WJAZ, WKAF, WKAQ, WLWL, WOI, WRVA, WSUI, WTAM, WTIC.

Eastern Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 7:15, 8 a. m., exercises, O. Shannon; 12:20 p. m., Trinity church institute; 5:45, Daddy Winkum; 6:30, dinner concert; 8:15, "Public Speaking—Conversational Delivery," W. M. Parrish; 8:30, sacred song half-hour; 9, Oratorio evening, Will Rhodes; Little symphony orchestra, Victor Saudek, conductor; 11:35, concert, Grand theater.

WAHG, Richmond Hill, N. Y. (315.6m-950kc), 12:03 p. m., musicale.

WBAL, Baltimore, Md. (246m-1220kc), 6:30-7:30 p. m., dinner program, WBAL string trio; soloists, Philip Jeffreys, pianist; John Wilbourn, tenor; 7:30-8, WBAL male quartet; 8-9, musical program; Louise Cline, soprano; George Bolek, pianist; James Wilkinson, baritone.

WBZ, Springfield, Mass. (333.1m-900kc), 6:30 p. m., Little symphony orchestra, KDKA; 6:45, Hotel Lenox ensemble; 7:30, "Literary Values in Recent Books," Prof. Robert Emmons Rogers; 8, professional hockey game between Boston Bruins and New York, Frank Ryan, announcer; 10:20, fiddlers' contest.

WCAP, Washington, D. C. (468.5m-640kc), 6:45-7:45 a. m., health exercises, WEAF.

WCAU, Philadelphia, Pa. (278m-1080kc), 7:30 p. m., concert, N. Snellenburg and company; 8, building and loan talk; 8:10, the Three Brothers; 8:25, theater digest; 8:35, WCAU players; 9, Robert Fraser, blind gospel singer, Elizabeth Holtz, pianist; 9:30, The Sea Gulls; 10, Ed. McCauley and his Pals; 10:30, Billy Hayes and his orchestra.

WCX, Detroit, Mich. (516.9m-580kc), 6 p. m., Goldkette ensemble; 10-2, Red Apple club.

WEAF, New York, N. Y. (491.5m-610kc), 6:45-7, 7:20 a. m., tower health exercises; 11-12, Joe Burns, pianist; lecture, Board of Education; motion picture forecast, Adele Woodard; 4-5 p. m., Van Vliet trio; 6-12 midnight, dinner music, Hotel Waldorf-Astoria; Alan Harris, songs with banjo accompaniment; Blue Ribbon male quartet; Gold Dust twins; Eveready hour; moment musicale; Vincent Lopez and his orchestra; Ross Gorman and his orchestra.

WEAO, Columbus, Ohio (293.9m-1020kc), 1:15 p. m., Margaret Gallant, pianist; Manley Seidel School of Music; Miriam Purdy, reader; 7, chimes, Allen McManigal; 7:10, "What Are Ohio Accredited Chicks," Prof. E. L. Dakan; 7:25, Peter story, Uncle Al; 7:35, "Vegetables Which Are Scarce in Winter," Prof. L. W. Montgomery; 8, sorority program.

WEAR, Cleveland, Ohio (389.5m-770kc), 7 p. m., State theater vaudeville; 8, studio program; 8:30, Gold Dust Twins; 9, Eveready entertainers; 10, program, WEAF; 10:30, Vincent Lopez orchestra; 11, Wormack's Singing syncopators.

WEBJ, New York, N. Y. (272.6m-1100kc), 7:45 p. m., Isabel Henderson, soprano; 8, talks; 8:15, Fred Gehlert, tenor; 8:30, Kenwood Klub orchestra, Ed. Wally, director.

WEEI, Boston, Mass. (348.6m-860kc), 6 p. m., George Joy, Nell Cantor, popular songs; 6:30, talk, Mrs. Nellie E. Friend; 7:30, musicale; 8, Blue Ribbon male quartet; 8:30, Gold Dust Twins; 9, Eveready hour; 10, moment musicale; 10:30, Vincent Lopez and his orchestra.

WFI, Philadelphia, Pa. (394.5m-760kc), 1 p. m., Tea Room ensemble; 3, recital; 6:30, Bellevue Stratford concert orchestra; 7, Bellevue-Stratford dance orchestra; 8, Blue Ribbon male quartet; 8:30, Gold Dust Twins; 9, Eveready hour; 10, concert from WEAF; 10:30, Vincent Lopez and his Casa Lopez orchestra.

WGBS, New York, N. Y. (315.6m-950kc), 1:30 p. m., popular songs, Lee Graber, Hal Friedman; 2, Landers serenaders; 3, Charles Phillips, pianist; 6:30, "The Dream Play," Provincetown players; 7, Arrowhead Inn orchestra; 8, Y. M. H. A. vocational forum; 11, Arrowhead Inn orchestra.

WGCP, New York, N. Y. (252m-1190kc), 1 p. m., race results; 7, orchestra; 7:30, Clarence Williams' trio; 8, orchestra

WGY, Schenectady, N. Y. (379.5m-790kc), [illegible]

Index to Farmers' Programs

Farmer Dinner Concerts

Daily Except Sunday

CENTRAL TIME

KFNF, 12:15-1:35 p. m.
KMA, 12:30-1:30 p. m.
KSO, 12:30-1:30 p. m.
WLS, 12 noon.

Saturday, February 6

Eastern 1:45 p. m. | Central 12:45 p. m. | Mountain 11:45 a. m. | Pacific 10:45 a. m.
WOI (270m-1110kc) Soils, questions and answers.
8 | 7 | 6 | 5
KDKA (309.1m-970kc) Farm program.

Sunday, February 7

Eastern 3:30 p. m. | Central 2:30 p. m. | Mountain 1:30 p. m. | Pacific 12:30 p. m.
WFAA (475.9m-630kc) Sunday hour for farmers.

Monday, February 8

Eastern 1:15 p. m. | Central 12:15 p. m. | Mountain 11:15 a. m. | Pacific 10:15 a. m.
WOC (483.6m-620kc) Economical Preparation of the Corn for Sows.
1:35 | 12:35 | 11:35 | 10:35
KSAC (340.7m-880kc) Are You Running Short on Cow Feed? Ridding Potato Fields of Gophers.
1:45 | 12:45 | 11:45 | 10:45
WOI (270m-1110kc) Dairy Production.
WMAQ (447.5m-670kc) Radio farm school.
2 | 1 | 12 n. | 11
KFKX (288.3m-1040kc) Talk.
7 | 6 | 5 | 4
WGY (379.5m-790kc) Agricultural program.
7:45 | 6:45 | 5:45 | 4:45
WSOE (246m-1220kc) Hog Raising.
8 | 7 | 6 | 5
KSO (242m-1240kc) Farm talk.
WTAG (268m-1120kc) Feeding and Care of the Breeders.
8:15 | 7:15 | 6:15 | 5:15
KSAC (340.7m-880kc) Exports, Imports and Agriculture. Sorghums for Pasture and Hay.
8:30 | 7:30 | 6:30 | 5:30
KFMQ (299.8m-1000kc) Farmers' night. Plant Good Seed of Good Variety; Legumes for Livestock and Soil Improvement. Cutting Production Cost with Machinery. Oats.
WMC (499.7m600kc) Talk.
WOI (270m-1110kc) Keeping the Engine of Your Car in Good Running Order.
8:45 | 7:45 | 6:45 | 5:45
WCCO (416.4m-720kc) The Farm Vegetable Garden.
9:05 | 8:05 | 7:05 | 6:05
KFAB (340.7m-880kc) Climate of Nebraska and Modified Cropping Practices. Making Hotbeds and Growing Plants for Early Vegetables.
9:30 | 8:30 | 7:30 | 6:30
KOB (348.6m-860kc) Concrete on the Farm. Results of Extension Activities.
10 | 9 | 8 | 7
KOAC (280.2m-1070kc) Agricultural question box. Farm Flocks of Sheep in Eastern Oregon.
10:30 | 9:30 | 8:30 | 7:30
KOAC (280.2m-1070kc) Important Potato Diseases. Baby Chicks and What They Represent.

Tuesday, February 9

Eastern 11:30 a. m. | Central 10:30 a. m. | Mountain 9:30 a. m. | Pacific 8:30 a. m.
KFAB (340.7m-880kc) Factors Which Affect the Hatching Power of Eggs.
1:15 p. m. | 12:15 p. m. | 11:15 | 10:15
WOC (428.3m-620kc) The Answer to Some of Your Poultry Problems.
1:35 | 12:35 | 11:35 | 10:35
KSAC (340.7m-880kc) Portable Hog Houses. Asparagus Culture.
1:45 | 12:45 | 11:45 | 10:45
WMAQ (447.5m-670kc), Radio farm school.
WOI (270m1110kc) Animal Husbandry, questions and answers.
2 | 1 | 12 n. | 11
KFKX (288.3m-1040kc) Talk.
7:10 | 6:10 | 5:10 p. m. | 4:10 p. m.
WEAO (293.9m-1020kc) Poultry—What Are Ohio Accredited Chicks?
8 | 7 | 6 | 5
KSAC (340.7m-880kc) Feeding Spring Pigs. Official Testing of Dairy Cattle.
7:15 | 6:15 | 5:15 | 4:15
WKAR (285.5m-1050kc) The Udder of the Cow in Health and in Disease. Feeding the Laying Hen.
7:35 | 6:35 | 5:35 | 4:35
WEAO (293.9m-1020kc) Vegetables That Are Scarce in Winter.
7:45 | 6:45 | 5:45 | 4:45
WKAR (285.5m-1050kc) Types and Breeds of Hogs.
8 | 7 | 6 | 5
KSO (242m-1240kc) Farm talk.
WOC (483.6m-620kc) Feeding Steers to Gain Three Pounds Daily.
11:45 | 10:45 | 9:45 | 8:45
KWSC (348.6m-860kc) Controlling Plant Diseases by Treating the Soil.

Wednesday, February 10

Eastern 1:15 p. m. | Central 12:15 p. m. | Mountain 11:15 a. m. | Pacific 10:15 a. m.
WOC (483.6m-620kc) The A B C's of Dairying—"A".
1:35 | 12:35 | 11:35 | 10:35
KSAC (340.7m-880kc) Preparation of Farrowing Quarters.
1:45 | 12:45 | 11:45 | 10:45
WMAQ (447.5m-670kc) Radio farm school.
WOI (270m-1110kc) Poultry husbandry.
2 | 1 | 12 n. | 11
KFKX (288.3m-1040kc), Dairy day.
7:15 | 6:15 | 5:15 p. m. | 4:15 p. m.
WKAR (285.5m-1050kc) Orchard Fertilization and Soil Management. Pruning and Training the Bush Fruits.
8:15 | 7:15 | 6:15 | 5:15
KSAC (340.7m-880kc) Road Material Resources of Kansas. Tire Economy.
9:05 | 8:05 | 7:05 | 6:05
KFAB (340.7m-880kc) The Out-of-Doors in February. The Cow-Testing Association—Bookkeeping for Cows.

Thursday February 11

Eastern 1:15 p. m. | Central 12:15 p. m. | Mountain 11:15 a. m. | Pacific 10:15 a. m.
WOC (483.6m-620kc) Sweet Clover—Once an Enemy, Now a Friend.
1:35 | 12:35 | 11:35 | 10:35
KSAC (340.7m-880kc) Planting Time for Poultry Profits. Stories from the 1925 Account Book.
1:45 | 12:45 | 11:45 | 10:45
WMAQ (447.5m-670kc) Radio farm school.
WOI (270m-1110kc) Farm crops.
2 | 1 | 12 n. | 11
KFKX (288.3m-1040kc) Talk.
7:15 | 6:15 | 5:15 p. m. | 4:15 p. m.
WKAR (285.5m-1050kc) Feeding the Dairy Herd. Farm Butter-making. Ice Cream in the Home.
8 | 7 | 6 | 5
KSO (242m-1240kc) Farm talk.
8:30 p. m. | 7:30 p. m. | 6:30 p. m. | 5:30 p. m.
WOI (270m-1110kc) Seed Corn.
WEAO (293.9m-1020kc) Getting Ready for Baby Chicks.
9:30 | 8:30 | 7:30 | 6:30
KOA (322.4m-930kc) Farm question box.

Friday, February 12

Eastern 1:15 p. m. | Central 12:15 p. m. | Mountain 11:15 a. m. | Pacific 10:15 a. m.
WOC (483.6m-620kc) Special farm service day.
1:35 | 12:35 | 11:35 | 10:35
KSAC (340.7m-880kc) Common Intestinal Worms of Hogs. Care of the Young Foal.
1:45 | 12:45 | 11:45 | 10:45
WOI (270m-1110kc) Agricultural Economics.
2 | 1 | 12 n. | 11
KFKX (288.3m-1040kc) Special Farm Service day.
WMAQ (447.5m-670kc) Radio farm school.
7:15 | 6:15 | 5:15 p. m. | 4:15 p. m.
WKAR (285.5m-1050kc) Wheat and Chaff. Lincoln's Agricultural Vision. Experiments with Beans at the Michigan Experiment Station. Bean Growing.
8 | 7 | 6 | 5
KSO (242m-1240kc) Farm talk.
8:45 | 7:45 | 6:45 | 5:45
WCCO (416.4m-720kc) Flower Growing.
10:45 | 9:45 | 8:45 | 7:45
KOAC (280.2m-1070kc) Care of the Auto's Gasoline Supply System.
11:30 | 10:30 | 9:30 | 8:30
KWSC (348.6m-860kc) Trees for Farm Woodlot and Ornamental Planting. Importance of High Class Cows to Farm Profits.

Markets and Weather

Daily Except Sunday

Eastern 9:30 a. m. | Central 8:30 a. m. | Mountain 7:30 a. m. | Pacific 6:30 a. m.
WFAA (475.9m-630kc) Markets.
WOAW (526m-570kc) Markets.
9:45 | 8:45 | 7:45 | 6:45
KDKA (309.1m-970kc) Livestock, grain.
10 | 9 | 8 | 7
WLS (344.6m-870kc) Livestock, markets, fruit.
WOS (440.9m-680kc) Hogs.
10:30 | 9:30 | 8:30 | 7:30
KFKX (288.3m-1040kc) Weather, hog market, local produce, hay, Chicago Board of Trade futures.
KTCL (305.9m-980kc) Weather, sheep, quotations.
WFAA (475.9m-630kc) Markets.
WOI (270m-1110kc) Weather.
10:45 | 9:45 | 8:45 | 7:45
WCCO (416.4m-720kc) Markets.
WMC (499.7m-600kc) Weather, markets.
11 | 10 | 9 | 8
WBAP (475.9m-630kc) Markets, quotations.
WOS (440.9m-680kc) Weather, hogs.
11:15 | 10:15 | 9:15 | 8:15
WTAG (268m-1120kc) Markets, weather.
11:30 | 10:30 | 9:30 | 8:30
KFKX (288.3m-1040kc) Weather, Chicago Board of Trade, livestock, Chicago and New York butter and egg market, local produce.
WCCO (416.4m-720kc) Markets.
WEAR (389.4m-770kc) Markets, weather.
11:45 | 10:45 | 9:45 | 8:45
WAAW (384.4m-780kc) Livestock, butter, eggs.
12 n. | 11 | 10 | 9
KDKA (309.1m-970kc) Weather, livestock, grain.
WBAP (475.9m-630kc) Weather, cattle, grain.
WEAR (389.4m-770kc) Markets, weather.
WHAD (275m-1090kc) Weather, markets.
WLS (344.6m-870kc) Poultry, dairy, hogs, sheep.
WOS (440.9m-680kc) Livestock, poultry, eggs, grain.
12:30 p. m. | 11:30 | 10:30 | 9:30
KFKX (288.3m-1040kc) Livestock, fruit, vegetables, dairy.
WEAR (384.4m-780kc) Markets, weather.
WFAA (475.9m-630kc) Markets.
1 | 12 n. | 11 | 10
WBAP (475.9m-630kc) Markets.
WHT (238m-1260kc) Fruit, weather.
WOS (440.9m-680kc) Livestock, weather.
1:05 | 12:05 p. m. | 11:05 | 10:05
KMA (252m-1190kc) Markets and weather.
1:30 | 12:30 | 11:30 | 10:30
KTHS (374.8m-800kc) Markets, weather.
KFKX (288.3m-1040kc) Weather, livestock, potato market, apples.
WFAA (475.9m-630kc) Markets.
WOAW (526m-570kc) Markets.
WOI (270m-1110kc) Weather, livestock.
1:35 | 12:35 | 11:35 | 10:35
KPO (428.3m-700kc) Butter, eggs, cheese, poultry.
1:45 | 12:45 | 11:45 | 10:45
KOA (322.4m-930kc) Weather, roads, livestock, poultry.
2 | 1 | 12 n. | 11
WOC (483.6m-620kc) Weather, grain, livestock, dairy.
WOS (440.9m-680kc) Grain.
2:15 | 1:15 | 12:15 p. m. | 11:15
WAAW (384.4m-780kc) Grain markets.
2:30 | 1:30 | 12:30 | 11:30
WCCO (416.4m-720kc) Markets, weather.
WFAA (475.9m-630kc) Markets.
3 | 2 | 1 | 12 n.
WLS (344.6m-870kc) Livestock, grain, dairy, fruit, vegetables.
WOS (440.9m-680kc) Livestock, markets, grain.
3:30 | 2:30 | 1:30 | 12:30 p. m.
WFAA (475.9m-630kc) Markets.
WMC (499.7m-600kc) Markets, weather.
3:50 | 2:50 | 1:50 | 12:50
WWJ (352.7m-850kc) Weather, markets.
4 | 3 | 2 | 1
KFKX (288.3m-1040kc) Weather, Chicago Board of Trade futures, Kansas City cash grain report, Omaha grain, livestock.
WCCO (416.4m-720kc) Markets.
WCX (516m-580kc) Stocks and grain.
4:30 | 3:30 | 2:30 | 1:30
WEAR (389.4m-770kc) Markets, weather.
WFAA (475.9m-630kc) Markets.
5:50 | 4:50 | 3:50 | 2:50
WDAF (365.6m-820kc) Markets, weather, road reports.
WHAS (399.8m-750kc) Markets.
6:30 | 5:30 | 4:30 | 3:30
KSAC (340.7m-880kc) Markets.
6:45 | 5:45 | 4:45 | 3:45
WIP (508.2m-590kc) Livestock, markets.
6:50 | 4:50 | 4:50 | 3:50
WHAD (275m-1090kc) Markets.
7:30 | 6:30 | 5:30 | 4:30
KMA (252m-1190kc) Markets and weather.
KSAC (340.7m-880kc) Market review.
7:45 | 6:45 | 5:45 | 4:45
KFWA (261m-1150kc) Market reports.
8 | 7 | 6 | 5
KFKX (288.3m-1040kc) Weather, livestock, Boston wool, Omaha grain.
KOA (322.4m-930kc) Sheep, markets, livestock, poultry.
9 | 8 | 7 | 6
WAAW (384.4m-780kc) Marketgrams and talks.
11 | 10 | 9 | 8
WCCO (416.4m-720kc) Weather, grain.

WTIC GIVES FIRST BIRTHDAY PARTY

Tuesday, February 9

music; address, "National Characteristics of the Drama of Today"—"The Hungarian Influence," Mrs. Russell Sage; 2:30, organ recital, Stephen E. Boisclair; 6:30, dinner program, Porter E. Potts' Hotel Van Curler orchestra; 7:30, "What Is Matter Made Of?" Charles B. Hurd; 7:45, Marine band, WRC; 8:30, Edison hour, WJZ; 9:30, "Progress of Broadcast Development by General Electric Company," C. J. Young; 9:40, WGY orchestra; 10, "The Grand Tour—Southern France," WJZ; 10:30, dance program.

WHAR, Atlantic City, N. J. (275m-1090kc), 2 p. m., Seaside hotel trio; 7:30, talk; 8, Seaside hotel trio; 11:15, Strand theater organ recital.

WHN, New York, N. Y. (361.2m-830kc), 6:30 p. m., Everglades orchestra; 7, Vincent Lopez Iceland orchestra; 7:30, Will Oakland's Chateau Shanley; 11, Ciro orchestra; 12-12:30 a. m., Club Kentucky orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:45 a. m., setting-up exercises; 7, setting-up exercises; 1 p. m., menu talk, Mrs. Anna B. Scott; 2 p. m., organ recital; 3, Ada W. Craig, soprano, Ruth Rile, contralto, and artists from Myrtle C. Eaver Piano studio; 6:05, Al Lentz and his Versatile entertainers; 7, Uncle Wip's bedtime stories; songs by Helen Jefferies; 8, Elliott Lester, dramatic critic; 8:15, recital, Mary Molle, dramatic soprano; Alice M. Crossley, coloratura soprano; Augusto M. Fabrizi, flutist; 9, Kauffman instrumental trio; 10:05, movie talk, Eli M. Orowitz; 10:30, Pagoda Cafe dance orchestra.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Jean Goldkette's Petite symphony orchestra; 7:30, old-time dance music, Glover-Watson organization; 8, Stromfeltz-Loveley company; 9, Michigan night.

WKAR, Lansing, Mich. (285.5m-1050kc), 7:15-8 p. m., veterinary, poultry and animal husbandry courses.

WLIT, Philadelphia, Pa. (394.5m-760kc), 11 a. m., organ recital; 12:02 p. m., daily almanac; Stanley theater organ recital; Arcadia cafe concert orchestra; 2, Arcadia cafe concert orchestra; 4:30, Household Helps and Hints, Richard S. Bond; 7:30, Dream Daddy's bedtime stories; 7:50, play review, Allyn C. Saurer.

WMAK, Buffalo, N. Y. (266m-1130kc), 6:15-7:15 p. m., dinner music, Hotel Lafayette orchestra; 7:15, daily news.

WMBF, Miami Beach, Fla. (384.4m-780kc), 7-9 p. m., Fleetwood Radio orchestra; 10-1 a. m., Gene Fosdick and his orchestra; Fleetwood Radio orchestra.

WMCA, New York, N. Y. (340.7m-880kc), 11-12 noon, Ida Bailey Allen's Homemakers' hour; 12:15-12:30 p. m., American School association talk on private schools; 12:30-1, beauty talk, Lucille Buhl; 6-6:30, Olcott Vail and his Hotel McAlpin string ensemble; 6:30-7, Club Caprice orchestra; 7-7:45, Hugo Zeller, "Lacquer and Lacquer Finishing"; 7:45-8, Tyrrell's health talk; 8-8:15, Pace institute program; 8:15-9:15, Landay hour; 9:15-9:45, Palmer pen lesson; 9:45-10:30, "How to Drive Automobiles," Harry Rainess; 11-12, Ernie Golden and his Hotel McAlpin orchestra.

WNYC, New York, N. Y. (526m-570kc), 7 p. m., the Canadians; 8, violin recital; 9, male quartet; 9:30, dance quartet.

WOO, Philadelphia, Pa. (508.2m-590kc), 11 a. m., organ recital; 12:02 p. m., Golden's crystal tea room orchestra; 4:45, organ recital; 7:30, A. Candelori's Hotel Adelphia orchestra.

WPG, Atlantic City, N. J. (299.8m-1000kc), 6:45 p. m., Arthur Scott Brook, organist; 7, Hotel Morton dinner music; 8, Ethel Rattay Fowler's fashion flashes; 8:15, Cecile Steiner, violinist; Margaret Irwin, pianist; Louise K. Richards, soprano; 9, Chalfonte-Haddon hall dual trio; 10, studio program; 10:30, Karl Bonawitz, pianist; 11, Silver Slipper supper club.

WRC, Washington, D. C. (468.5m-640kc), 12 m., George F. Ross, organist; 1 p. m., Hotel Washington orchestra; 6, Hotel Hamilton orchestra; 7, "Show Shopping," Leonard Hall; 7:10, Radio school of international relations; 7:30, U. S. Marine band orchestra, WJZ, WGY; 8:30, New York Edison hour, WJZ, WGY; 9:30, to be announced; 10:30, W. Spencer Tupman and his Mayflower orchestra; 11:30, Gertrude Smallwood, organist; 12, Meyer Davis' Le Paradis band.

WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., dinner concert; Speed-Wagon serenaders; Gold Standard ensemble; 8:15, Reo Motor Car company band, Carl Hall Dewey, conductor; Reo Motor Car company band glee club, Fred Killeen, director; vocal and instrumental solos; Beulah Clark Northrop, pianist.

WTAG, Worcester, Mass. (268m-1120kc), 10:30 a. m., musical selections; 12:05-2 p. m., noon-day luncheon music, WTAG, Will Hardy, director; 5:15, Twinkle Twinkle story teller; 7:45, "Power," Prof. G. H. MacCullough; 9-10, Eveready hour, WEAF; 10-10:30, moment musicale, WEAF; 10:30-11, Vincent Lopez and his orchestra.

WTAM, Cleveland, Ohio (389.4m-770kc), 12:15-1 p. m., lunch hour, Guy Lombardo and his Royal Canadians; 6-7, Carl Rupp and his Hotel Hollenden orchestra.

WWJ, Detroit, Mich. (352.7m-850kc), 12:05 p. m., Jules Klein's Hotel Statler orchestra; 3, Detroit News orchestra; 6, dinner concert; 8, concert, WEAF.

Central Time Stations

KFAB, Lincoln, Nebr. (340.7-880kc), 8:05-10:30 p. m., Univ. of Nebraska program.

KFKU, Lawrence, Kan. (275m-1090kc), 7:30 p. m., Kansas Univ.-Drake basketball game.

KFMQ, Fayetteville, Ark. (299.8m-1000kc), 8 p. m., choir of First Presbyterian church.

KFMX, Northfield, Minn. (336m-890kc), 9:30 p. m., "Morocco," Prof. Keith Clark.

KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., concert, Retail Merchants, Shirley Leavitt, director.

KFRU, Columbia, Mo. (499.7m-600kc), 8:45 a. m., convocation program; music, students of Stephens Conservatory of Music; 9, educational talk; 4:30-5:30 p. m., Bella Vista Quadrangle orchestra; 6:15, dinner music; 6:45, children's hour; 7, Radio school; talk, E. A. Trowbridge.

KFUO, St. Louis, Mo. (545.1m-550kc), 8 p. m., "The Young People and Their Money," Rev. Herman H. Hohenstein.

KLDS, Independence, Mo. (440.9m-680kc), 6:30 a. m., morning devotional service; 8 p. m., "Problems of Society," Prof. M. A. Etzenhauser; 8:15, program; Thelma Steele, pianist; Mrs. Blanche King Park, soprano; Virginia Drane, violinist; Mary Endicott Drane, violinist; Mrs. Edna Thompson, contralto; Margaret Logan, accompanist; 11:59, weekly midnight program; organ requests, Herbert Johnson.

KMA, Shenandoah, Iowa (252m-1190kc), 6-7 p. m., May Flower trio; May's Flower lady; 9-11, May's mandolin musicians.

KOIL, Council Bluffs, Iowa (278m-1080kc), 6:15 p. m., Dorothy Hurd, pianist; 6:30, Fontenelle orchestra; 7:15, Izaak Walton league; 7:30, Rainbow Post No. 2; 11, Nautical dance orchestra.

KPRC, Houston, Tex. (296.9m-1010kc), 7:30 p. m., Billie Mack's dance orchestra; 8:30, Ruth Burr, pianist; 9, bridge.

KSAC, Manhattan, Kans. (340.7m-880kc), 9-9:25 a. m., music, inspirational talks, agricultural primer, calisthenics; 9:55-10:25, readings, backyard gossip, question box; planning today's meals; 12:35-1:05 p. m., readings, question box; 4:30-5, program for women's clubs; 6:30-7:30, better speech; etiquette; Extension Credit course, Economics.

KSD, St. Louis, Mo. (545.1m-550kc), 6:55 p. m., WEAF chain.

KSO, Clarinda, Iowa (242m-1240kc), 12:30-1:15 p. m., concert; music; garden club; Sunday school lesson; dinner concert; 7-8, music; 8-9:30, Berry Radio orchestra, J. D. Palmer, director.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9-9:30 p. m., Eastman hotel orchestra; 9:30-10, Meyer Davis' 10-piece orchestra; 10-11, Hot Springs Kiwanis club.

KYW, Chicago, Ill. (536m-560kc), 11:35 a. m., table talk, Mrs. Anna J. Peterson; 12:05 p. m., Joska Babary's orchestra; 4, afternoon frolic; 6-7, dinner music, KDKA; 7:05, bedtime story, Uncle Bob; 7:35, speeches, American Farm Bureau federation; address, A. D. White; Walter B. Remley; 8, musical program, Edwin Borroff, director; 9, hour of music; 10, evening at home, Coon-Sanders' orchestra.

WAFD, Port Huron, Mich. (275m-1090kc), 10-11:30 a. m., Ironing club.

WAMD, Minneapolis, Minn. (244m-1230kc), 12 m., organ recital, Jack Malerick; 12:55 p. m., news bulletins.

WBBM, Chicago, Ill. (226m-1330kc), 4-6 p. m., Valentino Inn orchestra; artists; 8-9, Moulin Rouge orchestra; Phil Fleming, tenor; Jean St. Anne, French baritone; 9, Ziegler sisters; Moulin Rouge orchestra; Claire Matthews, artists.

WBCN, Chicago, Ill. (266m-1130kc), 10-10:30 a. m., Penny Wise, the shopper's ready helper; 7-8, Ballantine Electric company classical hour; Robert Sansome, cellist; Gordon A. Nelson, tenor; Ann Kelley, soprano; Pearl Fairchild, pianist.

WCBD, Zion, Ill. (344.6m-870kc), 8 p. m., mixed quartet; Hire string quartet; assisted by Erma Reynolds, soprano; William Dunn, euphonium; Paul Stewart, cornet; Messrs. Beem and Newcomer, marimba duets; Wiedman sisters, double duets; readings and piano duets.

WCCO, Minneapolis-St. Paul, Minn. (416m-720kc), 12 m., concert, Dick Long's Dayton trio; 2 p. m., "Problems of Our Government"; 2:30, afternoon concert, Dick Long's trio; 3:30, "The World of Books"; H. A. Bellows; 4, readers' club; 5:30, children's hour; 6:15, dinner concert, Emmet Long's Golden Pheasant orchestra; 7:30-8, Gold Dust Twins; 8-9, Eveready hour; 9:30, "Outdoors in Minnesota," Isaac Walton league.

WDAF, Kansas City, Mo. (365.6m-820kc), 3:30-4:30 p. m., The Star's string orchestra; address; The Tell-Me-a-Story lady; The Trianon ensemble; 11:[illegible], Ted Weem's Victor Recording orchestra; Eddie Kuhn's Kansas City athletic club orchestra; organ numbers, Ted Meyn, Pantages theater.

WDOD, Chattanooga, Tenn. (256m-1170kc), 9-9:30 p. m., bridge game.

WEBH, Chicago, Ill. (370.2m-810kc), 7 p. m., Oriole orchestra; 8, Lydia Lochner, contralto; Kathryn Forbes, soprano; 9, Uptown theater; 11, Oriole orchestra; 12:30 a. m., Jack Penewell, Fred Palmiter.

WFAA, Dall[illegible], Tex. (475.9m-630kc), 4:30-5 p. m., Ernest Wayland, pianist; 6:30-7:30, Baker hotel orchestra; 8:30-9, Southern Methodist university; 9-9:30, bridge; 11-12, G. Hayden Jones, tenor.

WGES, Oak Park, Ill. (250m-1200kc), 5-7 p. m., flute duo, organ, basso; 8-9, piano, orchestra, organ, tenor; 11-1 a. m., piano, tenor, soprano, organ, features.

WGN, Chicago, Ill. (302.8m-990kc), 10-10:20 a. m., good health and training; 10:20-11, entertainment for shut-ins; 12:40-2:30 p. m., luncheon concert, Drake concert ensemble; 2:30-3, Lyon and Healy artists' series; 3:30-4:15, tea time music, Marshall Field's tea room orchestra; 5:30-5:57, Skeezix time; 6:30-7, dinner concert, Drake concert ensemble; 8-9, Eveready hour, WEAF; 9-10, popular program; 10-10:10, Sam 'n Henry; 10:10-10:20, old time favorites; 10:20-11, dance program.

WHAD, Milwaukee, Wis. (275m-1090kc), 11 a. m., pianologue, Andy Hertel; "Getting the First Thousand," Carl Skinrood; 4 p. m., musical numbers; 6:15-7, Bill Benning's Milwaukee Athletic club orchestra.

WHAS, Louisville, Ky. (399.8m-750kc), 12-1 p. m., Trinity Methodist church; 1-2, Benson trio; 3-3:30, Mrs. Myrtle Fulks Zahn, Jr., organist; 4-5, editorials; 7:30-9, Eddie Rosson and his orchestra.

WHO, Des Moines, Iowa (526m-570kc), 7:30-8 p. m., Raleigh quintet, Savery hotel; 8-9, Bankers Life trio, Helen Birmingham, director; 11-12, Bankers Life Little Symphonic orchestra, Leon A. Dashoff, director.

WHT, Chicago, Ill. (399.8m-750kc), 6 p. m., Al Carney, organist; Grayling's string trio; Loftis half-hour of music; 7:45-9:15 (238), Alamo and Chez Pierre orchestras; 9:35 (399.8), Kitchen Klenzer entertainers; 9:50, Howard Sershon, tenor; Al Carney, organist; 10:10, U. S. L. half-hour of dance music; 12, Pat Barnes, Al Carney.

WIBO, Chicago, Ill. (226m-1330kc), 10-11 a. m., shoppers' bureau; 2-4 p. m., program for shut-ins; 6-8, dinner concert, popular American ballads, Walter Preston; WIBO trio; Bernice Taylor, soprano; Ruth Buhl Flick, reader; 12-2 a. m., midnight jamboree.

WJJD, Mooseheart, Ill. (361.2m-820kc), 4-5 p. m., Mooseheart hour, music, [illegible]nger Mooseheart children; daily assembly of 1,256 [illegible]ildren; faculty talks; 6-7,

Index to Classical Concerts

Saturday, February 6

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.
WCX, WEAF, WMCA, WREO.			
7	6	5	4
KGO, KYW, WEAR, WENR, WMAQ, WNYC, WOAW, WOK, WRC.			
8	7	6	5
KDKA, KFNF, KOIL, KSD, KYW, WBBR, WGN, WMBB, WNYC, WOAW, WQJ.			
9	8	7	6
KFOA, KPRC, KHJ, KYW, WHAS, WIP, WLW, WORD, WSAI, WSOE			
10	9	8	7
KNX, KYW, WEAF, WMAQ, WMC, WOAW, WOC, WORD.			
11	10	9	8
KGO.			
12 m	11	10	9
WOAW.			

Sunday, February 7

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.
WCAU.			
7:20	6:20	5:20	4:20
WCAE, WCAU, WEAF, WEAR, WEEI, WJAR, WTAG, WWJ.			
8	7	6	5
KYW, WAMD, WBZ, WEAR, WGBS, WGCP, WKAQ, WLS, WORD.			
9	8	7	6
KFDM, KPRC, KSD, WBZ, WCAU, WCBD, WCCO, WEAR, WGY, WHAR, WHT, WNYC, WQJ.			
9:15	8:15	7:15	6:15
WEEI, WJAR, WTAG.			
10	9	8	7
KHJ, KNX, KTHS, KYW, WCCO, WFAA, WNYC, WOC, WQJ, WSOE.			
11	10	9	8
KFVE, KHJ, KNX, KPO, KTHS, KYW, WHN, WKRC, WOC.			
12 m	11	10	9
KHJ, KNX, WOC.			
1 a. m.	12 m	11	10
KNX.			

Monday, February 8

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.
KGO, WCX, WEAF, WMCA, WREO, WWJ.			
7	6	5	4
KMA, WCCO, WEAF, WEAR, WHAD, WJR, WOAW, WOK.			
8	7	6	5
KFNF, KSD, WBBR, WBZ, WCAU, WCX, WHAR, WHT, WJAR, WLW, WMBB, WTAG, WTIC.			
9	8	7	6
KFOA, KGO, KHJ, KPRC, WBBR, WCCO, WBZ, WCAE, WEEI, WHAD, WHO, WJAR, WLW, WORD, WOS.			
10	9	8	7
KMA, KPO, KPRC, KSD, KTHS, WAMD, WCCO, WEAF, WHAD, WJAR, WOAW, WSUI, WTAG.			
11	10	9	8
KGW, KHJ, KMA, KSD, KTHS, KWSC, WHN, WSAI.			
12 m	11	10	9
KGW, WBAP, WSAI.			
1 a. m.	12 m	11	10
KHJ.			

Tuesday, February 9

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.
WBZ, WCX, WEAF, WMCA, WREO, WWJ.			
7	6	5	4
KGO, KMA, WEAR, WEBJ, WGBS, WHAD, WJR, WMAQ, WOAW, WOK, WOR, WTIC, WWJ.			
8	7	6	5
KFNF, KSD, KYW, WBZ, WCAE, WCAU, WCX, WEAR, WEEI, WGR, WHAR, WHT, WLS, WMBB, WQJ, WRC, WTIC.			
9	8	7	6
KFDM, KFNF, KFOA, KGO, KHJ, KSD, KYW, WBAP, WBZ, WCAU, WDAF, WEEI, WHAD, WJAR, WMAQ, WMCA, WSAI.			
10	9	8	7
KFAB, KFDM, KOA, WCCO, WHAD, WMAQ.			
11	10	9	8
KFMX, KHJ, KNX, KPO.			
12 m	11	10	9
KPO.			

Eastern	Central	Mountain	Pacific
9 p. m.	8 p. m.	7 p. m.	6 p. m.
KFDM, KFOA, KGO, KHJ, KLDS, KYW, WCAE, WCBD, WCCO, WEAF, WEEI, WGR, WHAS, WJAR, WLW, WMAQ, WOC, WORD, WTAG.			
10	9	8	7
KFAB, KFDM, KFMQ, KMA, KNX, KPRC, KTHS, WCAE, WCCO, WEAF, WEAR, WEEI, WLW, WMCA, WOC, WSAI, WSOE, WTAG.			
11	10	9	8
KGO, KHJ, KMA, KYW, WSAI.			
12 m	11	10	9
KPO, KYW, WHO, WMC.			

Wednesday, February 10

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.
WCX, WEAF, WMCA, WREO, WWJ.			
7	6	5	4
KGO, WEAR, WHAD, WJR, WMAQ, WOK, WTIC.			
8	7	6	5
KFNF, KPRC, KSD, KYW, WAMD, WBZ, WCX, WEAF, WEEI, WHT, WLW, WMBB, WMCA, WQJ, WTAG, WWJ.			
9	8	7	6
KFOA, KGO, KPRC, KSD, KYW, WBZ, WCCO, WDAF, WEEI, WGR, WHAD, WHAS, WJAR, WMAQ, WOR, WOS, WORD.			
10	9	8	7
KFMX, KMA, KNX, KTHS, WAMD, WCCO, WEAF, WEEI, WGR, WHAD, WJAR, WLS, WMAQ, WNYC, WOC, WSOE.			
11	10	9	8
KGO, KGW, KMA, KPO, KTHS, WCAE, WLS, WLW, WOC, WSAI.			
12 m	11	10	9
KGW, KPO, WHAD, WLW.			
1 a. m.	12 m	11	10
WLW.			

Thursday February 11

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.
WBZ, WCX, WEAF, WIP, WMCA, WREO, WWJ.			
7	6	5	4
KGO, KSD, WEAF, WEAR, WGBS, WHAD, WJR, WMAQ, WOAW, WOK, WWJ.			
8	7	6	5
KYW, WBBR, WBZ, WCAU, WCCO, WCX, WEAR, WEEI, WGR, WGY, WHAR, WHT, WLS, WLW, WMBB, WOAW, WQJ, WTAG, WTIC.			
9	8	7	6
KHJ, KLDS, WBAP, WCAE, WCAU, WCBD, WCCO, WEAF, WEEI, WGR, WHAR, WHAS, WJAR, WNYC, WOC, WORD, WRC, WASI, WSB, WTAG.			
10	9	8	7
KNX, KPRC, KTHS, KYW, WAMD, WGR, WGY, WHAD, WMC, WOAW, WOC, WSAI.			
11	10	9	8
KGO, KPO, KTHS, WBAP, WKRC.			
12 m	11	10	9
KGW, KPO, WHO, WKRC.			

Friday, February 12

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.
KGO, WCX, WMCA, WREO, WWJ.			
7	6	5	4
KGO, WEBJ, WGY, WHAD, WJR, WMAQ, WOAW, WOK, WOR, WTIC.			
8	7	6	5
KYW, WAHG, WAMD, WBZ, WCAU, WCX, WEBJ, WEEI, WHT, WLS, WQJ, WWJ.			
9	8	7	6
KFDM, KFNF, KFOA, KGO, KHJ, KSD, KYW, WBAP, WBZ, WCAU, WDAF, WEEI, WHAD, WJAR, WMAQ, WMCA, WSAI.			
10	9	8	7
KFAB, KFDM, KOA, WCCO, WHAD, WMAQ.			
11	10	9	8
KFMX, KHJ, KNX, KPO.			
12 m	11	10	9
KPO.			

instrumental hour, Howard L. Peterson, organist; the Palmer symphonic players; Palmer House Victorians; 8-9, Mooseheart children's hour, music, children of all ages, solos, bands, etc.; 10-11, Rushmore ensemble; 12:30 a. m., settin'-up hour, Garod studio, Palmer House; Palmer House Victorians.

WKRC, Cincinnati, Ohio (422.3m-710kc), 10 p. m., dance music, Alvin Roehr's orchestra; 11, Doc Howard and his Cuvier WKRC quartet, orchestra and entertainers, featuring Reine Gau, Phil Pavey, C[illegible] Grimm and Jimmie Schuh, pianist.

WLIB, Chicago, Ill. (302.8m-990kc), 7-7 [illegible] m., dinner concert; 7:30-8, Gold Dust Twins, WEAF; 11-1 a. m., popular and dance program.

WLS, Chicago, Ill. (344.6m-870kc), 12 m., R. F. D. noon program, Ford and Glenn; 6 p. m., R. F. D. school program, Ford and Glenn; 6:40, Ralph Emerson; organ recital; 7, Ford and Glenn; lullaby time; 7:15, mixed quartet, Apollo Music club, duets and solos.

WLW, Cincinnati, Ohio (422.3m-700kc), 7:30 a. m., healthful exercises, William Stradtman of Physical department of Y. M. C. A.; 8, morning devotions, auspices of Parkway Y. M. C. A.; 12 m., concert, Hotel Gibson orchestra, Robert Visconti, director; 4 p. m., talk, Ralph Schmidt of Fort Thomas, Ky.; 4:10, French lesson, Madame Ida Tcimpidis; 6:30, theatrical feature, interviews by Alvin Richard Plough; 7, "The Historical Appreciation of Music," Etelka Evans; 7:20, Crosley popular science series, presenting Dr. J. G. Porter, director of the Cincinnati observatory; 7:30, piano memories, Mary Louise Voseczek; 7:50, Donald Bain in "Chantecler and His Harem," chicken imitations; 8, old time review, Crosley Burnt Corkers; 9, concert program, Formica Insulation company orchestra, William C. Stoess, director.

WMAQ, Chicago, Ill. (447.5m-670kc), 12:45 p. m., Radio farm school; 2, program for shut-ins; 4, "Interior Decorating," G. M. Moritz; 4:30, Rosenfeld School of Music program; 6, Chicago theater organ recital; 6:30, Hotel La Salle orchestra; 8, book talk, Harry Hansen; 8:20, travel talk, Clara Laughlin; 8:40, musical program; 9, lecture, Univ. of Chicago; 9:20, musical program; 9:55, Univ. of Chicago chimes.

WMAZ, Macon, Ga. (261m-1150kc), 8-9 p. m., religious services.

WMBB, Chicago, Ill. (250m-1200kc), 7-8 p. m., Trianon duo; Genevieve Barry Burnham, operatic soprano; Eleanor Kaplan, violinist; Preston Graves, concert pianist, semi-classical operatic program; 9-11, Trianon orchestra, Dell Lampe, conductor; Woodlawn theater orchestra, Armin F. Hand, conductor; Matts and Donovan, Axel Christensen, popular program.

WMC, Memphis, Tenn. (499.7m-600kc), 7:15 p. m., bedtime stories; 8:30, Hofstead Bible class quartet; 9, auction bridge; 11, Britling cafeteria orchestra.

WOAI, San Antonio, Tex. (394.5m-760kc), 8:30 p. m., Gebhardt musicians.

WOAN, Lawrenceburg, Tenn. (282.8m-1060kc), 9-9:30 p. m., Walter B. Seale and orchestra; 9:30-10, quartet and orchestra.

WOAW, Omaha, Nebr. (526m-570kc), 6 p. m., entertainment; 6:50, orchestra; 9, classical; 10:10, Radio review, Neal Jones; 10:30, Herb Feierman and his Omadala orchestra; 12, Rialto alarm.

WOC, Davenport, Iowa (483.6m-620kc), 5:45-6 p. m., chimes; 6:30-6:50, Sandman; 7:30-8, Gold Dust Twins; 8-9, Eveready hour; 9-10, travel talk; 10-11, Heuer's Whizz Bang orchestra.

WOI, Ames, Iowa (270m-1110kc), 12:30 p. m., college chimes; 7:15, basketball game, Grinnell vs. Ames.

WOK, Chicago, Ill. (217.3m-1380kc), 4:30-7 p. m., Tearney's Town Club Twilight Dansant; Capitol theater organ; Pat Hoster, tenor; 10-1:30, Tearney's Town club orchestra; Carl Lorraine's Pershing Palace orchestra; Husk O'Hare's Cocoanut Grove orchestra; Capitol theater program; studio program.

WOQ, Kansas City, Mo. (278m-1080kc), 8-9 p. m., devotional musical program.

WORD, Batavia, Ill. (275m-1090kc), 7 p. m., Public Service Company of Illinois; 7:45, Bible questions and answers; 9, program, W. A. Sheaffer Pen company; 9:45, good reading; 11, Public Service company; 11:45, address, Ernest G. Wylam.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Gardens orchestra; Fontella girls; 10-1 a. m., Rainbo Skylarks; Gertrude Wolf Quentin, soprano; Jerry Sullivan; Rose Vanderbosch, soprano; Merrill Carder, baritone; Ila Shannabrook, soprano; Mary Wade, soprano; Romo Vincent, boy baritone; 1-2, Ginger hour.

WRR, Dallas, Tex. (246m-1220kc), 6-7 p. m., Jack Gardner's orchestra; 8-9, program, Montgomery.

WSAI, Cincinnati, Ohio (325.9m-920kc), 5:30 p. m., twilight musicale; 6:30, musical program; 7, Mabley and Carew orchestra, Reuben Lawson, director; 8, Eveready hour, WEAF; 9-9:30, auction bridge; 9:30-10, musical program, featuring Hawaiian music; 12, Freda Sanker's orchestra.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., concert; 10:40, concert.

WSM, Nashville, Tenn. (282.8m-1060kc), 10 p. m., frolic, Beasley Smith's orchestra.

WSUI, Iowa City, Iowa (483.6m-620kc), 12:30 p. m., Mrs. Geraldine Mars Ristine; address.

Mountain Time Stations

CFAC, Calgary, Can. (435.8m-688kc), 8 p. m., recital, Jean Gilbert.

CNRR, Regina, Can. (476m-640kc), 8 p. m., bedtime story, Aunt Jenny; vocal and instrumental numbers, Mr. and Mrs. Edward Franklin, Vera Geddes.

KFWA, Ogden, Utah (261m-1150kc), 4-5 p. m., organ recital, Paramount theater; 5-6, Ogden Radio Dealers' program.

KFXF, Colorado Springs, Colo. (250m-1200kc), 8:30-10 p. m., Freeman Dust Absorber musical program.

KOA, Denver, Colo. (322.4m-930kc), 12:15 p. m., Rialto theater musicale; 3:15, relaxing and corrective exercises; 6:30, dinner concert, Brown Palace string orchestra, Howard Tillotson, director.

Pacific Time Stations

KFI, Los Angeles, Calif. (468.5m-640kc), 5:30-6 p. m., Norman Harvey's orchestra; 6, nightly doings; 6:15, KFI's Seeing California; 6:30, vest pocket program; 6:45, Radiotorial period; 7-8, program arranged by Clarabelle Patten Wallace; 8-9, Al Wesson and his dance orchestra; 9-10, Louise Klos string trio; Virginia Flohri, lyric soprano; 10-11, Packard ballad hour with usual favorites in popular song numbers.

KFOA, Seattle, Wash. (454.3m-660kc), 6:45-8:15 p. m., Hooper-Kelly company; 8:30-10, Times studio program; 10-11, orchestra.

KFON, Long Beach, Calif. (233m-1290kc), 6-6:45 p. m., organ, Brayton's theater; 6:45, amusement information; 7-8, investors' hour; 8-9, program, William Conrad Mills; 9-11, Long Beach Aero club hi-jinks.

KFWB, Hollywood, Calif. (252m-1190kc), 5-6 p. m., children's hour, Big Brother of KFWB; 7:30, health talk, Dr. W. I. Schuster; 8-9, Hazel Thomas, soprano; Jack Smith's dance orchestra; Blanche Kaminer, pianologues; 9-10, Joe Martin's California serenaders; Bill and Tom Moseley, banjo duets; Henry Kaplan, pianist; Bill Blake, tenor; 10-11, Warner Brothers' frolic, direction Charlie Wellman.

KGO, Oakland, Calif. (361.2m-830kc), 4-5:30 p. m., concert orchestra, Hotel St. Francis; 6-6:55, twilight concert; 8-9, Eveready hour, Metropolitan male singers; Carolyn Cone Baldwin; James Gerard, tenor; Albert Gillette, bass; Jeannette Shearer, clarinetist; 9-9:30, Y. M. C. A. concert orchestra; Alice Emma Hansen, soprano; 9:30, bridge; 10-12, Girvin-Deuel's California Collegians.

KGW, Portland, Ore. (491.5m-610kc), 10-11:30 a. m., town crier; music; 12:30-1:30 p. m., concert, Oregon Radio Trades association; 6-7, dinner concert, Olds, Wortman and King company; 7:45-8, talk, courtesy Union Savings and Loan association; 8-10, educational program; book review, courtesy J. K. Gill company; auction bridge lesson; health talk; music, McElroy quartet; 10-12, dance music, Multnomah hotel; intermission piano solos, Curt Kremer.

KHJ, Los Angeles, Calif. (405.2m-740kc), 6-6:30 p. m., Leighton's Arcade cafeteria orchestra, Jack Cronshaw, leader; 6:30-7:30, history story, Prof. Hertzog; weekly visit of Queen Titania and the Radio Fairies; Lenore Killian, contralto; Charles Leslie Hill, readings; 7:30, talk on dogs, H. M. Robertson; 8-10, program, Frank Metine company, Collegiate night.

KMTR, Hollywood, Calif. (238m-1260kc), 5-6 p. m., home hour, Mammy Simmons with Boy Scouts and Campfire Girls; 6-7, Starr Piano company studio; 7, talks about diamonds, E. P. Barclay; 8-10, the Turner orchestra, direction Loren Powell.

KNX, Hollywood, Calif. (336.9m-890kc), 5-5:30 p. m., Sunny Jim's talk; 5:30, First Presbyterian church; 5:55 town tattler; 6:15, travel talk, W. F. Alder; 6:30-7, Atwater Kent concert orchestra; 7-7:45, studio program; 7:45-8, health talk, Dr. Robert T. Williams; 8-9, program, Globe Ice Cream and Weber Quality Bread companies; 9-10, program, Western Auto Supply company; Optimist male quartet; 10-11, Ambassador hotel dance orchestra.

KPO, San Francisco, Calif. (428.3m-700kc), 7, 7:30, 8 a. m., daily dozen exercises; 10, domestic science talk, Virginia Tappan; 1-2 p. m., Rudy Seiger's Fairmont hotel orchestra; 2:30-3:30, matinee program; 3:30-4:30, Cyrus Trobbe's Palace hotel concert orchestra; 5:15-6:15, children's hour stories, Big Brother; 6:40, Waldemar Lind and the States restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel orchestra; 8-9, Elks glee club, Maynard Jones, director; 9-10, Mona Motor Oil trio; Gypsy and Marta, harmony team; 10-11, Palace hotel dance orchestra, Gene James, director.

KPSN, Pasadena, Calif. (315.6m-950kc), 8-9:30 p. m., varied instrumental and vocal program.

KTAB, Oakland, Calif. (240m-1250kc), 9-9:30 a. m., prayer service, Rev. G. W. Phillips; 9:30-9:40, "Proper Care of Household Pets," Ansel W. Robinson; 12-1 p. m., luncheon concert; 8-10, studio program.

CHOPIN PROGRAM THURSDAY AT WGY

Wednesday, February 10

Headliners Today

Eastern	Central	Mountain	Pacific
8 p. m.	7 p. m.	6 p. m.	5 p. m.
WEBJ (273m-1100kc) Bronx night.			
8:05	7:05	6:05	5:05
WGY (379.5m-790kc) Opera presentation.			
8:30	7:30	6:30	5:30
KDKA (309.1m-970kc) Wall Paper Pierrots.			
WTIC (475.9m-630kc) Gala First Anniversary program.			
9	8	7	6
WKRC (422.3m-710kc) Everfresh hour.			
9:15	8:15	7:15	6:15
WBZ (333.1m-900kc) Concert series.			
10:15	9:15	8:15	7:15
KOA (322.4m-930kc) Hawaiian folk songs.			
11	10	9	8
KFI (468.5m-640kc) Ventura string quartet.			

Wednesday, silent night for: CHIC, CKNC, CNRA, CNRC, CNRE, CNRM, CNRR, CNRT, CNRV, KFAU, KFDM, KFEQ, KFKU, KFMQ, KFXF, KGO, KLDS, KOB, KTAB, WABQ, WBAL, WBBR, WCAD, WCBD, WEBW, WFAA, WGBS, WGCP, WGST, WHAR, WHAZ, WIP, WJAD, WJAZ, WLWL, WMC, WOAI, WOAW, WOI, WPG, WRC, WREO.

Eastern Time Stations

CNRO, Ottawa, Can. (434.5m-690kc), 7 p. m., children's half hour; 8, Chateau Laurier concert orchestra; 8:45, Madame Maud Pouget, soprano; Gladys Ewart, pianist; James McIntyre, violinist; Helen Langdon, cellist; Chateau Laurier dance orchestra.

KDKA, Pittsburgh, Pa. (309.1m-970kc), 7:15, 8 a. m., exercises, O. Shannon; 5:45, Postman Dan; 8:15, "Chemistry and Human Progress—Speeding Up That Process," Dr. Carl J. Engelder; 8:30, Wall Paper Pierrots; 9, concert, First Presbyterian church quartet.

WAHG, Richmond Hill, N. Y. (315.6m-950kc), 12:03 p. m., Eida Treulich, pianist; 7:30, studio features; 8, special program, "Olds Folks at Home," Michael Lamberti, James Sayell, Jean McGregor, Jevva Blix, James McKinley Rose, Manly Price, Boone, Madeline Hulsizer; Sterling male quartet; Jean Davison, Branfield trio and others; 10:03, special program; 10:15-11:30, special program, "Young Folks Abroad," Frank Lapeive's Collegians, "Mickey," Walter Looss, artists.

WBZ, Springfield, Mass. (333.1m-900kc), 6:30 p. m., Little Symphony orchestra, KDKA; 6:45, Hotel Kimball orchestra, Bob Patterson, director; 8, concert, Crook's band; 9, "Browing's Philosophy," D. M. Staley; 9:15, concert, Gibbs Piano company, presenting Springfield string ensemble; Lloyd Stoneman, pianist; Milton Aronson, violinist; Arnold Janser, cellist.

WCAP, Washington, D. C. (468.5m-640kc), 6:45-7:45 a. m., health exercises; 6:45-12 p. m., "Facts About the Capital," Charles W. Darr; "Matters Before the House"; concert, U. S. Army band, Capt. William Stannard, leader; Davis saxophone sextet, WEAF; Ipana Troubadours, WEAF; Roxy and his Gang, WEAF; dance music.

WCAU, Philadelphia, Pa. (278m-1080kc), 6:45 p. m., Parodians dance orchestra; 7:30, recital, N. Snellenburg and company; 8, "Tuberculosis Can Be Cured," talk by Dr. Ward Brinton; 8:10, Jeff Kane's Musical Adventurers; 9, Rigo's Royal Gypsy band; 9:30, Jones' Jolly Four; 10, Lew Chapman's Inter Fraternity orchestra; 10:45, Frank Cook, songs of yesterday; 11, Artie Bittong's Cheer-Up clubs.

WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., Goldkette ensemble; 8-9, studio program.

WEAF, New York, N. Y. (491.5m-610kc), 6:45-7, 7:20 a. m., tower health exercises; 10:45-12 noon, health talk; 4-5 p. m., Ray Nichols' recording orchestra; Henretta Mayer, soprano; children's hour, Annie Carroll Moore, story teller; 6-12, dinner music, Hotel Waldorf-Astoria; synagogue services; concert, United States army band; Davis saxophone octet; Ipana Troubadours; musical program, Roxy and his gang; Hughie Barrett and his Hotel Commodore orchestra.

WEAO, Columbus, Ohio (293.9m-1020kc), 1:15 p. m., WEAO string quartet; 4:10, story hour, Prof. Sada Harbarger; 8, "The Attention and Interest—How Controlled," Hayes Yeager; 8:15, Ach Bar Grotto chorus, Harry Apple, director; 8:30, "Investments," Prof. Milton Nelson; 8:45, Ach Bar Grotto chorus.

WEAR, Cleveland, Ohio (389.5m-770kc), 7 p. m., Hotel Cleveland orchestra.

WEBJ, New York, N. Y. (272.6m-1100kc), 8-10 p. m., Bronx night, special program, Civic organizations.

WEEI, Boston, Mass. (348.6m-860kc), 6:30 p. m., Joe Rines and his Hunters' Cabin orchestra; 7:30, musicale; 8, musical skit; 8:30, Davis saxophone octet; 9, Ipana Troubadours; 10, Roxy and his gang.

WFI, Philadelphia, Pa. (394.5m-760kc), 1 p. m., tea room ensemble; 3, Josh Saddler's dance orchestra; 6:30, Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra.

WGBS, New York, N. Y. (315.6m-950kc), 1:30 p. m., Evelyn Laska, songs; Hanson and Howard; 3, special program, Blind Girls; 6:30, Jersey Collegians.

WGCP, New York, N. Y. (252m-1190kc), 3 p. m., Lillian Rubin, pianist; 3:20, Bobby Grey, songs; 3:45, J. Vincent Moore, tenor; 4:15, Haines Good News party; 4:30, Jeanne D'Dair, soprano; 4:45, Frasey and Mohr; 7, orchestra; 7:30, Kennedy concert orchestra; 8, Tobias Brothers; 8:15, Charol de Thomee, pianist.

WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., program for children; 7, dinner program, Eastman theater orchestra; 7:30, "Book of Knowledge," program; 8:05, opera presentation, Rochester American Opera company.

WHN, New York, N. Y. (361.2m-830kc), 7 p. m., Parody club orchestra; 7:30, Akradyne entertainers; 10, Roseland dance orchestra; 10:30, Anatol Friendland; 11, Silver Slipper orchestra; 11:30, Lew Brown and Sidney Claire; 12, Cotton Club orchestra; 12:30, Harry Richman and his entertainers.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:45 a. m., setting-up exercises; 7, setting-up exercises; 10:30, reducing exercises; 1 p. m., Gimbel tea room orchestra; 3, "Has Physics Anything to Say About Religion," talk by Dr. J. G. Rodger; 3:15, recital, students Ada Turner Kurtz studio; 6:05, Benjamin Franklin concert orchestra; 7, Uncle Wip's bedtime stories.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Jean Goldkette's Petite symphony orchestra; 7:45, Good Will Oakland, harmonic balancer; 9, Radio hour, Haven Villa corporation; 11:30, Jewett Radio Jesters.

WKAQ, San Juan, P. R. (340.7m-880kc), 6-8 p. m., municipal band.

WKAR, Lansing, Mich. (285.5m-1050kc), 7:15-8 p. m., horticultural course.

WLIT, Philadelphia, Pa. (394.5m-760kc), 12:02 p. m., daily almanac; Stanley theater organ recital; sermon, auspices Philadelphia Federation of Churches; Arcadia cafe concert orchestra; 2, Arcadia cafe concert orchestra; 4:30, recital; 7:30, Dream Daddy's bedtime stories; 9, P. R. T. band and orchestra; 10, Arcadia cafe dance orchestra; 10:30, El Patio dance orchestra.

WLWL, New York, N. Y. (288.3m-1040kc), 9 p. m., "Accountancy," K. of C.; 9:15, entertainment; 9:45, McEvoy concert; 10:15, talk; 10:30, string music.

WMAK, Buffalo, N. Y. (266m-1130kc), 7:15 p. m., daily news; 7:30-8, song recital, Helen Minchen; 8-9, musical, Clef string trio; 9-10, dance program, Clark Light orchestra, Ray Jerge, director.

WMBF, Miami Beach, Fla. (384.4m-780kc), 7-9 p. m., Fleetwood Radio orchestra; 10-1 a. m., Gene Fosdick and his orchestra; Fleetwood Radio orchestra.

WMCA, New York, N. Y. (340.7m-880kc), 6:30 p. m., Olcott Vail and his Hotel McAlpin string ensemble; 6:30-7:30, Ernie Golden and his Hotel McAlpin orchestra; 7:30-8:20, Prof. Cortina's Spanish lesson; 8:20-9, talk on "Securities"; 11-11:30, Hofbrau Haus entertainers; 11:30-12, Jack Denny and his Frivolity orchestra.

WNYC, New York, N. Y. (526m-570kc), 6:20 p. m., piano selections; 6:30, Spanish lesson; 7:35, Bernards New York Six; 8:30, recital; 9:30, instrumental trio; 10:10, Board of Education lecture.

WOO, Philadelphia, Pa. (508.2m-590kc), 11 a. m., organ recital; 12:02 p. m., Golden's Crystal tea room orchestra; 7:30, Hotel Sylvania dance orchestra; 8, U. S. Army band; 8:30, Davis Saxophone octet; 9, WOO American male quartet; 9:25, address, Rev. Forest Dager; 10, Fox theater studio program; 10:30, Hotel Sylvania orchestra.

WRC, Washington, D. C. (468.5m-640kc), 12 noon, Gertrude Smallwood, organist; 1, Lee House trio; 4:15, Meyer Davis' Le Paradis band; 5, musical program.

WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., dinner concert, Speed-Wagon Serenaders; Gold Standard ensemble.

WRVA, Richmond, Va. (256m-1170k 8:10 p. m., one-act play, Little Theater league; 8: instrumental program; 9:30, prologue opera, "Tan auser," Elmer G. Hoelzle, director; 10:30, instrum tal program; 11, "Carry Me Back to Old Virginny.

Character songs and popular ballads find new meaning when sung by Gladys Rice of the Capitol Family of WEAF. This talented young songster comes from a theatrical family. Her father was John C. Rice, one of the greatest of American comedians, and her mother was Sally Cohen.

WTAG, Worcester, Mass. (268m-1120kc), 10:30 a. m., musical selections; 12:05-2 p. m., noonday luncheon music, WTAG, Will Hardy, director; 3-4:45, Tea Dansant music; 4:45, talk, Herbert K. Shaw; 7:15, Twinkle Twinkle story teller; 7:45, Spanish lesson, Mrs. John de la Parra; 8:30-9, Davis saxophone octet, WEAF; 10-11, Roxy and his gang, WEAF.

WTAM, Cleveland, Ohio (389.4m-770kc), 12:15-1:15 p. m., lunch hour music, Austin Wylie's Vocalion Recording orchestra; 6-7, dinner hour music, Guy Lombardo and his Royal Canadians; 8-11, City of Cleveland program; 11-1 a. m., dance music, Guy Lombardo and his Royal Canadians.

WTIC, Hartford, Conn. (475.9m-630kc), 6:30 p. m., Hotel Bond trio; Mrs. Gertrude McAuliffe, contralto; 7:30, Yale band; 8:30, New York Philharmonic ensemble; Scipione Guido, violinist; New York Philharmonic Woodwind ensemble; Arthur Middleton, baritone; Jeane Laval, contralto; 11, Edward Wittstein's dance orchestra; 12-1, Sherman and Ryan, Harmony entertainers.

WWJ, Detroit, Mich. (352.7m-850kc), 12:05 p. m., Jules Klein's Hotel Statler orchestra; 3, Detroit News orchestra; 6, dinner concert; 8, News orchestra; 9, dance program; 10, Roxy and his gang.

Central Time Stations

CKY, Winnipeg, Can. (384.4m-780kc), 7:30 p. m., Canadian National Railway's program, Fort Garry hotel.

CNRW, Winnipeg, Can. (384.4m-780kc), 7:30 p. m., bedtime story, Aunt Grace; 7:50, Irvine Plumm and his Fort Garry hotel orchestra; 8:45, Florence Verrinder, pianist; Llewelyn Williams, tenor; Irvine Plumm, cellist; 10, Irvine and his Fort Garry hotel orchestra; se ect Kilgour.

KFAB, Lincoln, Neb., (340.7-880kc), 8:30-10:30 p. m., Belshaw's orchestra; Olive Fletcher and Ruby Teater, double piano selections; Ralph Hall, banjo, uke and vocal numbers; Lincoln guitar orchestra; Slick Merriam, vocal and pianist.

KFNF, Shenandoah, Iowa (263m-1140kc), 3:30-4 p. m., flower talk, Mrs. Helen Fischer; 7, concert, Henry Field Seed company.

KFRU, Columbia, Mo. (499.7m-600kc), 4:30-5:30 p. m., Bella Vista Quadrangle orchestra; 6:30-7, religious news service, Rev. Cunningham; 9-11, musical program.

KFUO, St. Louis, Mo. (545.1m-550kc), 9:15 p. m., "Is Man's Destiny Sealed at the Time of His Death?" Prof. J. T. Mueller.

KMA, Shenandoah, Ia. (252m-1190kc), 6-7 p. m., domestic science talk, June Case; 9-11, Bobbie and Babe Riddle; program, Henry Adams.

KOIL, Council Bluffs, Iowa, (278m-1080kc), 6:15 p. m., Mona Motor Oil entertainers; 6:30, Fontenelle orchestra.

KPRC, Houston, Tex. (296.9m-1010kc), 7:30 p. m., Fatty Martin's End o' Main dance orchestra; 8:30, Rice institute band; 11, popular concert.

KSAC, Manhattan, Kans. (340.7m-880kc), 9-9:25 a. m., music, inspirational talks, agricultural primer, calisthenics; 9:55-10:25, readings, backyard gossip, question box; planning today's meals; 12:35-1:05 p. m., readings, question box; 4:30-5, basketball lectures; 6:30-7:30, sports, inventions; Extension credit course, Agricultural Journalism.

KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., fur hour, Hotel Statler orchestra; 8, Ipana Troubadours.

KSO, Clarinda, Iowa (242m-1240kc), 12:30-1:15 p. m., concert; music; garden club; Sunday school lesson; dinner concert; 7-7:30, music; 7:30-9, schools, Prescott, Iowa.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9-9:30 p. m., Meyer Davis' artists; 9:30-9:45, Eastman hotel orchestra; 9:45-10, Lawson Reid, organist; 10-10:45, Southerners' Majestic hotel orchestra.

KYW, Chicago, Ill. (536m-560kc), 11:35 a. m., table talk, Mrs. Anna J. Peterson; 12 m., Commonwealth Edison company; 1 p. m., Joska De Babary and his orchestra; Coon-Sanders orchestra; 6-7, dinner music, KDKA, WBZ, KYW, KFKX; 7, bedtime story, Uncle Bob; 7:05, bedtime story, Uncle Bob; 7:30 half hour of music; 8, Congress hotel musicale; 10-12:30 a. m., midnight revue; Paul Ash and his orchestra; Coon-Sanders' orchestra; 1, Insomnia club.

WAFD, Port Huron, Mich. (275m-1090kc), 8-10 p. m., studio program; 1-2 a. m., studio program.

WAMD, Minneapolis, Minn. (244m-1230kc), 12 m., classical program, Hazel West, soprano; Beatrice Wilson, accompanist; Beata Hanson, violinist; Mrs. Hanson, accompanist; Oscar Bellman, pianist; 7:05 p. m., talk, "What Prominent Outsiders Think of Minneapolis and the Great Northeast"; 7:10, classical program, W. E. Peterson, baritone; Margaret Arnold, soprano; Ida Sorenson, contralto; Irving Winslow, violinist; 11, Skyrocket frolic, George Osborn and his orchestra.

WBBM, Chicago, Ill. (226m-1330kc), 4-6 p. m., Valentino Inn orchestra; artists; 8, string trio; Moulin Rouge orchestra; Sunset quartet; 12-2 a. m., artists; Two Jays; Moulin Rouge orchestra; Hawaiian quartet.

WBCN, Chicago, Ill. (266m-1130kc), 10-10:30 a. m., Penny Wise, shoppers' ready helper, shopping talk; 7-8 p. m., classical hour; Emily Stone, violinist; Ada Mae, tenor; Ethel Eaves Price, soprano; Alice McMahon Stone, accompanist; Lemmyon Amoureaux, French tenor; Ethel Eaves Price, soprano; Alice McMahon, contralto; Margaret McArthur, pianist; John Williams, baritone.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 2:30 p. m., afternoon concert; 4, readers' club, Eleanor Poehler; 5:30, children's hour; 7, midweek church service, Rev. H. L. Maunder, pastor Hobart Memorial M. E. church; 8, program, WEAF, Ipana Troubadours; 9, musical program, Nash-Finch concert orchestra; 10:05, dance program, Marigold Garden orchestra; 11:30, Eddie Dunstedter, organist.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., addresses; The Trianon ensemble; 8-10, varied musical program; 11:45-1, Ted Weem's Victor Recording orchestra; Eddie Kuhn's orchestra.

WDOD, Chattanooga, Tenn. (256m-1170kc), 6:30-7 p. m., organ music, Tivoli theater; 7-8, Hotel Platten orchestra; 8:15, special features and program.

WEBH, Chicago, Ill. (370.2m-810kc), 7-8 p. m., Emerson Military band; 9, Oriole orchestra; 9:45, Florence Behrend, soprano; Eugenia Dolberg, pianist; 11, Oriole orchestra; Irene Beasley; Frank Bordner, revue.

WFAA, Dallas, Tex. (475.9m-630kc), 2:30-3 p. m., J. J. Sandell, pianist.

WGES, Oak Park, Ill. (250m-1200kc), 5-7 p. m., basso, pipe organ, tenor; 8-9, orchestra, contralto; 11-1 a. m., Coyne serenaders, comedian, organ, tenor, piano, orchestra.

WGN, Chicago, Ill. (302.8m-990kc), 10-10:20 a. m., good health and training; 10:20-11, entertainment for shut-ins; 12:01-12:30 p. m., "Concerning the Use of Needlepoint in Furniture," Walter Murray; 12:40-2:30, luncheon concert, Drake concert ensemble; 2:30-3, Lyon and Healy artists' series; 3-3:30, auction bridge game; 3:30-4:15, tea time music, Marshall Field's tea room orchestra; 5:30-5:57, Skeezix time; 6:30-7, dinner concert, Drake concert ensemble; 8-9, music hour; 9-10, Roxy and his gang, WEAF; 10-10:10, Sam 'n Henry; 10:10-10:20, old-time favorites; 10:20-11, popular and dance program.

WHAD, Milwaukee, Wis. (275m-1090kc), 11 a. m., pianologue, Andy Hertel; the Housewife; 4 p. m., "With the Humorists," John R. Wolfe; Mrs. Marie Weiss, pianist; Linda Hering, saxophone; 6:15-7, Arthur Richter, organist; 10:30-11:30 popular dance hits, Dexter's Wisconsin and Elger's Creole roof orchestras; 11:30-12:30 a. m., Edmund Fitch, organist.

WHAS, Louisville, Ky. (399.8m-750kc), 1-2 p. m., Barney Rapp's orchestra; 3-3:30, Mrs. Myrtle Fulks Zahn, Jr., organist; 4-5, Music Box; 7:30-9, Jake Seligman and his Kentucky Night Owls.

WHO, Des Moines, Iowa (526m-570kc), 6:30-7:30 p. m., Reese-Hughes orchestra, Hotel Fort Des Moines; 7:30-9, Kate Miller, whistler; Maude Hughes, accompanist; Harry Lewis, popular songs; artists, Capitol theater; 9-12, dance program.

WHT, Chicago, Ill. (399.8m-750kc), 6-7:30 p. m., Jean Carlson, Peter Porstner, Howard Will, Grayling's string trio; 7:45-9:15, Alamo orchestra; 9:30 (399.8), Borden request organ recital; Ray-O-Vac hour; 11:15, Chez Pierre orchestra; 11:30, Pat Barnes; 12, Your Hour league with presidents.

WIBO, Chicago, Ill. (226m-1330kc), 10-11 a. m., shoppers' bureau, Grace Viall Gray; 2-4 p. m., popular program for shut-ins; 6-8, dinner concert, Walter Preston; WIBO trio; Florence Osterman, contralto; Christopher Hendra, tenor; Hicky and Johnson, Marie Wright.

WJAZ, Chicago, Ill. (329.5m-910kc), 9-2 a. m., Opera club dance orchestra.

WJJD, Mooseheart, Ill. (370.2m-820kc), 4-5 p. m., Mooseheart hour; music by younger children; daily assembly of 1,256 children; faculty talks; 6-7, instrumental hour, Howard L. Peterson, playing Geneva organ; Palmer symphonic players; Palmer House Victorians; 8-9, Mooseheart children's hour, Mooseheart concert band; solos, talk, Matthew P. Adams; 10-11, Senator Harold Kessinger; Jean St. Anne; 12:30-1:30 a. m., settin'-up hour, Howard L. Peterson playing Geneva organ; Palmer House Victorians.

WKAF, Milwaukee, Wis. (261m-1150kc), 10-11 p. m., Campus Skylarks; Michael Swedish, baritone; Spencer Reuter, tenor.

WKRC, Cincinnati, Ohio (422.3m-710kc), 6 p. m., dinner program, Alvin Roehr's orchestra; 8, book review, Alice B. Coy, xylophone solos; Oliver Plunkett, tenor; 9, Everfresh hour, concert orchestra, Robert Visconti, director; 9:30, Ben Alley, tenor; 12, Wesley Helvey and his La Vista clubhouse orchestra.

WLIB, Chicago, Ill. (302.8m-990kc), 7-8 p. m., dinner concert; 11-1 a. m., popular and dance program.

WLS, Chicago, Ill. (344.6m-870kc), 12 m., R. F. D. noon program, Ford and Glenn; 6:40 p. m., Ralph Emerson, organ recital; 7, Ford and Glenn; lullaby time; 7:15, WLS string trio; 7:45, Univ. of Chicago choir of 30 voices; 8:15, Ford and Glenn; songs; 8:30, Thurlow Lieurance, composer of Indian music, with assisting artists; 9, Little symphony orchestra; 10:30, Toney Corcorian, Irish baritone; 11, circus; 2 a. m., Ford and Glenn; Ruth Etting; orchestra music.

WLW, Cincinnati, Ohio (422.3m-700kc), 7:30 a. m., healthful exercises, William Stradtman of Physical department of Y. M. C. A.; 8, morning devotions, auspices of Parkway Y. M. C. A.; 12:05 p. m., musical novelties, Irene Downing, player-roll artist; 3, Kroger cooking chats, Judith Anderson; 4, program for shut-ins, directed by William Dunning; 7, dinner hour concert, Hotel Gibson; 7:30, address, representative of Ohio Farm Bureau federation; 10, Pep concerts, fraternities from Univ. of Cincinnati; 10:30, reading, "The Uncommon Commoner," Charles Meade; 10:40, Crosley male quartet; 11, La Vergne Sims, soprano, accompanied by Elizabeth Jones; 11:15, Crosley musical news, Johanna Grosse, editor and organist; 11:40 pianologues, "Newport" Carl Bamberger.

WMAQ, Chicago, Ill. (447.5m-670kc), 12:45 p. m., Radio farm school; 1, Chicago Association of Commerce luncheon; 2, shut-in program; 4, recipes, Mrs. E. O. Hiller; 4:30, pupils of Cosmopolitan School of Music; 5:15, Georgene Faulkner, story lady; 6, Chicago theater organ recital; 6:30, "Lincoln," Mrs. Eleanor Gridley; 8, lecture, Northwestern university; 8:30, Whitney trio; 9, University of Chicago lecture; 9:55, University of Chicago chimes.

WMAZ, Macon, Ga. (261m-1150kc), 11-12 p. m., fraternity musicale, S. A. E.

WMBB, Chicago, Ill. (250m-1200kc), 7-8 p. m., Trianon duo; Sascha Corado, concert baritone; Elizabeth Moritz, pianist; Veronica Krebs, contralto, semi-classical program; 9-11, Trianon orchestra, Dell Lampe, conductor; Woodlawn theater orchestra, Armin F. Hand, conductor; Cecil and Esther Ward, Hawaiian guitars; Billie Allen Hoff, Nina Smiley, Wilson and Davis, popular program.

WOAI, San Antonio, Texas (394.5m-760kc), 3 p. m., Radio Trades association concert; 8:30, army night, Fort Sam Houston.

WOAN, Lawrenceburg, Tenn. (282.8m-1060kc), 9-10 p. m., male quartet and orchestra.

WOC, Davenport, Ia. (483.6m-620kc), 4-4:45 p. m., St. Joseph's symphony orchestra; 9-9:30, Erwin Swindell, organist; 9:30-10:30, Augustana college.

WOI, Ames, Iowa (270m-1110kc), 12:30 p. m., college chimes.

WOK, Chicago, Ill. (217.3m-1380kc), 4:30-7 p. m., Tearney's Town Club Twilight Dansant; Capitol theater organ; Lillian Knowles, contralto; 10-1:30 a. m., Tearney's Town club orchestra; Carl Lorraine's Pershing Palace orchestra; Husk O'Hare's Cocoanut Grove orchestra; Capitol theater program; studio program.

WORD, Batavia, Ill. (275m-1090kc), 7 p. m., North Shore line; 7:45, Harp of God; 9, Webster trio; I. B. S. A. choral singers.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Gardens orchestra; Everett G. Mitchell, baritone; Maude Shapton Couse, soprano; Lavina Price, pianist; 10-1 a. m., Rainbo Skylarks; Dorothy Paxton, contralto; Christian A. Grimm, pianist; Jean St. Anne, baritone; Jessie Pringle, pianist; Melodians; Clarence Theders; J. Edwin Peterson; George Thurn, kazoo soloist; Oxford girls; Thelma Pefferle, soprano; 1-2, Ginger hour.

WSAI, Cincinnati, Ohio (325.9m-920kc), 7:15 p. m., art talk, Mary Alexander; 7:30, Davis saxophone octet, WEAF; 8, Ipana troubadours, WEAF; 9, program; 10, talk, Dr. L. B. Chenoweth; 10:15, Congress Playing Card string quartet.

WSB, Atlanta, Ga. (428.3m-700kc), 10:45 p. m., Biltmore hotel orchestra.

WSM, Nashville, Tenn. (282.8m-1060kc), 6:30 p. m., concert, Francis Craig's orchestra; 7, bedtime story interlude; 8, program, Mrs. Meredith Flautt, contralto, Mrs. Robert L. Alexander, pianist; 8:30, program, Margaret Fry, soprano; 10, Dutch Erhart and his syncopators.

WSUI, Iowa City, Iowa (483.6m-620kc), 9 a. m., high school assembly program, music, addresses; music and address; 12:30 p. m., Prof. Frank Estes Kendrie, violinist; address; 7:30, College of the Air.

Mountain Time Stations

CFAC, Calgary, Can. (435.8m-688kc), 4 p. m., Red Cross address.

KFWA, Ogden, Utah (261m-1150kc), 4-5 p. m., organ recital, Paramount theater; 5-6, Ogden Radio Dealers' program; 9-10:30, music, Paramount theater; 10:30-12, dance music, Ollie Reeves and his orchestra.

KOA, Denver, Colo. (322.4m-930kc), 12:15 p. m., Rialto theater musicale; 6:30, dinner concert, Brown Palace string orchestra, Howard Tillotson, director; 7:30, book of knowledge; 8, instrumental program, Scheuerman's Colorado orchestra; 8:15, studio program; guitar duets featuring Hawaiian folk songs and Spanish numbers, Paul Parker and W. O. Bradbury; German folk songs, Arion; banjo duets, southern melodies, Charles H. Spencer and Charles McLaughlin; piano solos, Dorothy Secrest; contralto solos, Laura Kemp Anderson; baritone solo, "The Rosary," D. Gross; vocal duet, Margaret Fell, soprano, Paul Parker, tenor; saxophone trios, Earl Fraser, L. R. Simmons and V. Schilling; miscellaneous quartet selections, Margaret Fell, soprano; Frances Joseph, contralto; Paul Parker, tenor and Ross Ruckstraw, bass; 10-12 midnight, dance program, Broadmoor Rhythm Rustlers, Eber Grubb, leader.

KSL, Salt Lake City, Utah (299.8m-1000kc), 7:35 p. m., "The History of Economics," Prof. E. C. Lorentzen.

Pacific Time Stations

KFI, Los Angeles, Calif. (468.5m-640kc), 5:30-6 p. m., musical matinee; 6, nightly doings; 6:15, KFI's Seeing California; 6:30, vest-pocket program; 6:45, Radiotorial period; 7-7:20, Nick Harris detective story; 7:20-8, Al Wesson's dance orchestra; 8-9, program, Ventura Refining company; Ventura string quartet; 9-10, Dorothy Conant Titian trio; 10-11, Patrick Marsh dance orchestra; Betty Patrick, soloist.

FAMOUS ORGANIST PLAYS AT WAHG

Wednesday, February 10

KFOA, Seattle, Wash. (453.3m-660kc), 7-8:15 p. m., Sherman Clay and company, studio program; 8:30-10, Times studio program.

KFON, Long Beach, Calif. (233m-1290kc), 6-6:45 p. m., organ, Brayton's theater; 6:45-7:15, amusement information; 7:30-8, Long Beach Municipal band; 8-9, Press-Telegram program; 9-10, KFON Artists' frolic.

KFWB, Hollywood, Calif. (252m-1190kc), 5-6 p. m., children's hour, Big Brother of KFWB; 7-7:30, Mutual Motors joke contest; 8-9, program, John Wright, The Right Tailor; John Wright orchestra; Sol Hoopii's Hawaiians, Frank Stever, baritone; 9-10, Bill Hatch's Oakmont Country club dance orchestra, Esther White, blues singer; 10-11, Warner Bros. frolic, direction Charlie Wellman.

KGO, Oakland, Calif. (361.2m-830kc), 11:30-1 p. m., Sherman Clay and company luncheon concert; 3-4, speaker, Williams institute; Eleanor Pierson, soprano; Manuel Alvernaz, pianist; Jack Holworthy, tenor; 4-5:30, concert orchestra, Hotel St. Francis.

KGW, Portland, Ore. (491.5m-610kc), 7:15 a. m., Y. M. C. A. physical culture exercises; 9:45-11:30, town crier; music; 12:30-1:30 p. m., concert, Oregon Radio Trades association; 6-7, dinner concert, Olds, Wortman and King company; 8-9, concert, Western Auto Supply company; 9-10, concert; 10-11, concert, Sherman, Clay and company.

KHJ, Los Angeles, Calif. (405.2m-740kc), 6-6:30 p. m., Leighton's Arcade cafeteria orchestra, Jack Cronshaw, leader; 6:30-7:30, history story, Prof. Hertzog; Dick Winslow, juvenile reporter; Mickie McBan and Vivian Marple, screen starlets; Uncle John; 8, Dr. Mars Baumgardt, scientific lecturer; 8:30-10, program, Owensmouth Chamber of Commerce.

KLX, Oakland, Calif. (508.2m-590kc), 5-5:30 p. m., Aunt Elsie's sunset matinee; 6:30-7, Athens Athletic club orchestra; 7-7:30, news; 8-9, educational program, Roy Harrison Danforth, Ad Schuster, Harry Noyes Pratt, Nadine Shephard, Prof. E. R. de Ong and others; 9-10, program.

KMTR, Hollywood, Calif. (238m-1260kc), 5-6 p. m., Home hour, Mammy Simmons and the naborhood children; 8-10, the Turner orchestra, direction Loren Powell; 10-11, Starr Piano company studio.

KNX, Hollywood, Calif. (336.9m-890kc), 5-5:30 p. m., Sunny Jim's talk; 5:30, First Presbyterian church organ; 5:55, Town Tattler; 6:15, travel talk, W. F. Adler; 6:30-7, Atwater Kent concert orchestra; 7-8, Ambassador hotel concert orchestra; 8-9, program, Security Trust and Savings bank; 9-10, Riviera program, John A. Vaughn corporation; 10-11, dance orchestra.

KOAC, Corvallis, Ore. (280.2m--1070kc), 7:20 p. m., musical selections.

KPO, San Francisco, Calif. (428.3m-700kc), 7, 7:30, 8 a. m., daily dozen exercises; 10, sewing talk, Betsy Ross; 1-2 p. m., Rudy Seiger's Fairmont hotel orchestra; 2:30-3:30, matinee program; 3:30, "Breath of the Avenue"; 5:15-6:15, children's hour stories, Big Brother; 6:40-7, Waldemar Lind and the States Restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel orchestra; 8-9, Atwater Kent artists; 9-10, Goodrich Silvertown Cord orchestra; Reg Code, director; 10-11, Waldemar Lind and the States Restaurant orchestra.

KTAB, Oakland, Calif. (240m-1250kc), 9-9:30 a. m., prayer service, Rev. G. W. Phillips; 12-1 p. m., luncheon concert.

KWSC, Pullman, Wash. (348.6m-860kc), 7:30-9 p. m., Women's Glee Club quartet; Margaret Amundson, pianist; Harriette Metz, banjoist; special program, Garfield county students.

Thursday, February 11

Headliners Today

Eastern	Central	Mountain	Pacific
8 p. m.	7 p. m.	6 p. m.	5 p. m.

KFNF (263m-1140kc) Old-time music.

8:15	7:15	6:15	5:15

WIP (508.2m-590kc) Etude hour.
WPG (299.8m-1000kc) Sylvano trio.

8:30	7:30	6:30	5:30

WJZ (454.3m-660kc), WRC (468.5m-640kc) Radio movie.

9	8	7	6

WBAL (246m-1220kc) Lady Negro jubilee singers.
WCBD (344.6m-870kc) Mandolin and Guitar club.
WJZ (454.3m-660kc), WGY (379.5m-790kc) Royal hour.

9:30	8:30	7:30	6:30

KPRC (296.9m-1010kc) Old fiddlers' contest.
WBZ (333.1m-900kc) Lincoln's Birthday program.

10	9	8	7

KNX (336.9m-890kc), Concert cellist.
WGY (379.5m-790kc) Piano recital, Chopin compositions.

11	10	9	8

KGO (361.2m-830kc) "Stung," three-act comedy.

12	11	10	9

KFWB (252m-1190kc) Sol Hoopi's Hawaiians.
WLW (422.3m-710kc) Venetian trio.

Thursday, silent night for: CHIC, CKNC, CNRA, CNRE, CNRO, CNRR, CNRT, CNRV, CNRW, KFAB, KFAU, KFDM, KFEQ, KFMX, KFOA, KFUO, KFVE, KFWA, KGW, KLX, KOA, KOAC, KOB, KWSC, PWX, WABQ, WAFD, WAHG, WCAP, WCEE, WDOD, WEAO, WEBJ, WEBW, WHAD, WHAZ, WJJD, WOAI, WOR, WSM, WSUI, WTAM.

Eastern Time Stations

CNRM, Montreal, Can. (410.7m-730kc), 8:30 p. m., French Composers' night; address, Paul E. Joubert.

KDKA, Pittsburgh, Pa. (309.1m-970kc), 7:15, 8 a. m., exercises, O. Shannon; 5:45 p. m., Uncle; 6:30, dinner concert, Little symphony orchestra, Victor Saudek, conductor; 8:15, farm program; 8:30, with famous composers—Nickolas Andrejevitch Rimsky-Korsakov, Little symphony orchestra, Victor Saudek, conductor; 9, concert, Little symphony orchestra, Victor Saudek, conductor; quartet; 11, Pittsburgh Post midnight revue.

WAHG, Richmond Hill, N. Y. (315.6m-950kc), 12:03 p. m., Grebe matinee trio.

WBAL, Baltimore, Md. (246m-1220kc), 6-6:30 p. m., children's program, "Lincoln—The Little Boy Who Grew Big," Hazel Knox; 6:30-7:30, dinner program, WBAL dinner orchestra, Robert P. Lula, conductor; 7:30-8, organ program; recital, Frederick D. Weaver, organist; 8-9, instrumental selections, Baltimore Mandolin orchestra, Conrad Gebelein, director; 9-10, vocal selections, female negro jubilee singers.

WBBR, New York, N. Y. (273m-1100kc), 8 p. m., George Twaroschk, violinist; 8:10, Stanley Gohlinghorst, baritone; 8:20, Bible lecture, "The Unknown God," R. S. Emery; 8:40, Stanley Gohlinghorst, baritone; 8:50, George Twaroschk, violinist.

WBZ, Springfield, Mass. (333.1m-900kc), 6:30 p. m., Little Symphony orchestra, KDKA; 7, Hotel Kimball dance orchestra, Bob Patterson, director; 7:45, Massachusetts Aggie Radio forum; 8, musical program, Leo Reisman's orchestra; 9, concert, Elly May Burdick, soprano; Hazel Prentice, reader; Pearl Lehay, pianist and accompanist; 9:30, program commemorating Lincoln's birthday.

WCAP, Washington, D. C. (468.5m-640kc), 6:45-7:45 a. m., health exercises.

WCAU, Philadelphia, Pa. (278m-1080kc), 6:30 p. m., Billy Hayes and his orchestra; 7:30, Snellenburg Symphony orchestra; 8, The Mitchell Gondolier; 8:15, Elizabeth Lapetina, coloratura soprano, Michael Fonticoli, operatic tenor, Virginia Klein, pianist; 8:45, The Kandy Kids; 9, Barry O'Moore, tenor; 8:30, Musical Chefs; 9:45, burlesque lesson, Prof. Doolittle; 10, Sesqui Centennial Hour; 11, Parodians orchestra; 11:30, Club Cadix revue.

WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., Goldkette ensemble; 8-9, studio program.

WEAF, New York, N. Y. (491.5m-610kc), 6:45-7, 7:20 a. m., tower health exercises; 11-12, musical program; 4-5, play; Frank C. Doblin, baritone; "Some Polar Bears and Dogs," Anthony Fiala; 6-12 midnight, dinner music, Hotel Waldorf-Astoria; midweek hymn singing; the Smith brothers; Larkinites; Hires Harvesters; Clicquot Club Eskimos; Silvertown Cord orchestra, Joseph Knecht, director; Vincent Lopez and his orchestra.

WEAO, Columbus, Ohio (293.9m-1020kc), 1:15 p. m., Robert Coleman, pianist; 4:10, Mrs. Harvard Vallance, soprano; Charlotte Vallance, pianist; 8:30, "Separation of Atoms into Units of Positive and Negative Electricity," Prof. A. W. Smith; 8:50, music; 10, Hotel Fort Hayes hour of music.

WEAR, Cleveland, Ohio (389.5m-770kc), 7 p. m., Hotel Statler concert orchestra; 8, Larkinite Four; 8:30, Workrite Radio artists; 9, Clicquot club, WEAF; 10, Vincent Percy, organist.

WEEI, Boston, Mass. (348.6m-860kc), 6 p. m., Dok Eisenbourg and his Sinfonians; 7, Big Brother club; 7:30, Cecilia and Robert Gomberg, violinists; 8, Larkinites; Hire's Voyageurs; Clicquot Club entertainers; Silvertown Cord orchestra.

WFI, Philadelphia, Pa. (394.5m-760kc), 1 p. m., Tea room ensemble; 3, New Century Club of Chester; 6:30, Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra; 8, The Larkinites; 8:30, Hire's Harvesters; 9, Clicquot Club Eskimos; 10, Silvertown Cord orchestra; 11, dinner dance by Philadelphia Club of Advertising Women; Pat Riley and his orchestra.

WGBS, New York, N. Y. (315.6m-950kc), 1:30 p. m., Ramblers trio; 3, women in the home program; 6:30, Perner-Stark orchestra; 8:30, "Footlight and Lamplight," Oliver Sayler; 9, Fife Brothers Lincoln program; 9:30, old-time minstrels.

WGCP, New York, N. Y. (252m-1190kc), 3 p. m., Elvira Rose Geiger, pianist; 3:20, Nat Osborne and Tommy Tucker; 3:45, Davis; 4:15, studio program; 4:45, Jack Davis; 5:10, Sylvia Schatz, pianist; 8:30, Strickland's orchestra; 9, Piotti and Val; 9:15, Eva Rothenberg, pianist; 9:30, Tracey and Moh, songs; 9:45, Max Mertt, violinist; 10, Strickland's orchestra.

WGY, Schenectady, N. Y. (379.5m-790kc), 2 p. m., music; talk; "Training Pre-Kindergarten Children," Pauline Parke; 6:30, dinner program, Ten Eyck concert trio; 7:30, WGY book chat, William F. Jacob; 7:45, program, Syracuse University; 9, Royal hour, WJZ; 10, piano recital of Chopin compositions, J. Austin Springer. "Chopin and His Works"; 11:30, organ recital, Stephen E. Boisclair.

WHAR, Atlantic City, N. J. (275m-1090kc), 2 p. m., Seaside hotel trio; 7:30, lecture period; 8, Seaside hotel trio; 9, studio concert; 11:30, dance orchestra.

WHN, New York, N. Y. (361.2m-830kc), 12:30-1 p. m., organ recital; 3:15-4:30, Lexington orchestra; 7, Vincent Lopez Iceland orchestra; 7:30, Ciro's orchestra; 8, Will Oakland's Chatheau Shanley; 10:30, Club Kentucky orchestra; 11, Joe Ward's Swanee entertainers; 11:30, Everglades orchestra; 12-12:30, Parody club orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:45 a. m., setting-up exercises; 7, setting-up exercises; 10, menu talk, Mrs. Anna B. Scott; 1 p. m., Gimbel tea room orchestra; 3, Celesta trio; Margaritta Parkinson, violinist, Ethel Dorr McKinley, cellist, Mildred H. Ackley, pianist, assisted by Iris Virginia Gruber, soprano, Flora Ripka, accompanist; 6:05, Pagoda Cafe orchestra; 7, Uncle Wip's bedtime stories; Banjo Collegians; 8, "The Sesqui Centennial," Harry A. Mackey; 8:15, Etude hour, direction James Francis Cooke; 9, John E. Ouram, boy soprano; 9:20, negro spirituals, Theodor Liedemedt, violinist; 10:05, real estate talk; 10:15, Al Lentz and his versatile entertainers.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Jean Goldkette's Petite symphony orchestra; 7:30, Ide and Meginnity; 9, Jean Goldkette's serenaders; 11, Jean Goldkette's Victor Recording orchestra.

WKAQ, San Juan, P. R. (340.7m-880kc), 6-8 p. m., Rialto theater musicale.

WKAR, Lansing, Mich. (285.5m-1050kc), 7:15-8 p. m., dairy course.

WLIT, Philadelphia, Pa. (394.5m-760kc), 12:02 p. m., daily almanac; Stanley theater organ recital; Arcadia cafe concert orchestra; 2, Arcadia cafe concert orchestra; 4:30, concert; 7:30, Dream Daddy's bedtime stories.

WLWL, New York, N. Y. (288.3m-1040kc), 9 p. m. announced; 9:15, "Rhea Leddy and William Flusk, duettists; 9:30, "Bogus Religions," Dr. James J. Walsh; 10, Rhea Leddy and William J. Flusk, duettists; 10:15, religion and science, Rev. John M. Cooper; 10:35, musical program.

WMAK, Buffalo, N. Y. (266m-1130kc), 6:15-7:15 p. m., dinner music, Hotel Lafayette orchestra; 7:15-7:30, daily news.

WMBF, Miami Beach, Fla. (384.4m-780kc), 7-9 p. m., Fleetwood Radio orchestra; 10-1 a. m., Gene Fosdick and his orchestra; Fleetwood Radio orchestra.

WMCA, New York, N. Y. (340.7m-880kc), 6-7 p. m., Olcott Vail and his Hotel McAlpin string ensemble; 7-7:15, Hugo Zeller, lacquer and lacquer finishing; 7:15-7:45, Pace institute program; 7:45-8:15 p. m., Tyrrell's health talk; 10:30-11, Jack Smith, whispering baritone; 11-12, Ernie Golden and his Hotel McAlpin orchestra.

WNYC, New York, N. Y. (526m-570kc), 7:10 p. m., dance program; 9, dinner, Steuben county society, Hotel Roosevelt.

WOO, Philadelphia, Pa. (508.2m-590kc), 11 a. m., organ recital; 12:02 p. m., Golden's crystal tea room orchestra; 4:45, organ recital; 7:30, Hotel Adelphia French room orchestra.

WPG, Atlanta City, N. J. (299.8m-1000kc), 1:30 p. m., Hotel Morton luncheon music; 4:30, tea music; 6:45, Arthur Scott Brook, organist; 7:15, Hotel Ambassador dinner music; 8, world wonder excursions, Alfred James P. McClure; 8:15, concert, Atlanta City Board of Education; Sylvano trio; Hilda Reiter, soprano; 10, Atlantic City Estates' dance orchestra; 11, Silver Slipper supper club.

WRC, Washington, D. C. (468.5m-640kc), 12 m., organ recital; 1 p. m., Hotel Mayflower orchestra; 6:45, Smithsonian talk; 7, New Willard hotel orchestra; 7:20, U. S. army band, WJZ; 8:30, Radio-movie presentation, WJZ; 9, Royal Salon orchestra, WJZ, WGY, WCAD; 10, "The Political Situation in Washington Tonight," Frederick William Wile; 10:15, Recoil Boys, WJZ; 10:30, Meyer Davis' Swanee orchestra; 11:30-12:30, Otto F. Beck, organist.

WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., dinner concert, Speed Wagon Serenaders; Gold Standard ensemble; 8, University of Marquette vs. Michigan State College, basketball game; 9:15, varied musical program, Reo Broadcasting orchestra; Carl Hall Dewey, director; Reo string quartet; Leland C. Cooke, clarinetist; Accelerator male quartet; vocal and instrumental solos.

WTAG, Worcester, Mass. (268m-1120kc), 10:30 a. m., musical selections; 12:05-2 p. m., noon-day luncheon music, WTAG, Will Hardy, director; 4:30, entertainment for members of WTAG indoor sports club; 5:15, Twinkle Twinkle story teller; 8-8:30, Larkinites, WEAF; 8:30-9, travel talk; 9-10, Clicquot Club Eskimos, WEAF; 10-11, Silvertown Cord orchestra, Joseph Knecht, director.

WTAM, Cleveland, Ohio (389.4m-770kc), 12:15-1:15 p. m., Austin Wylie's Vocalion Recording orchestra; 6-7, dinner hour music, Carl Rupp and his Hotel Hollenden orchestra.

WTIC, Hartford, Conn. (475.9m-630kc), 6:30 p. m., children's period; 6:50, Hotel Bond trio; 7:35, "The United States Form of Government," Prof. Lane W. Lancaster.

WWJ, Detroit, Mich. (352.7m-850kc), 12:05 p. m., Jules Klein's Hotel Statler orchestra; 3, Detroit News orchestra; 6, dinner concert; 8, concert, WEAF.

Central Time Stations

CKY, Winnipeg, Can. (384.4m-780kc), 10 p. m., dance program, Venetian Gardens, Cliff Menzies and his Collegians.

KFKU, Lawrence, Kans. (275m-1090kc), 7:15 p. m., musical numbers, School of Fine Arts, Fiske Mountain, violinist; 7:30, K. U.-Oklahoma, A. & M. college basketball game.

KFMQ, Fayetteville, Ark. (299.8m-1000kc), 8 p. m., University Extension lectures: "The Healthy Pessimist —Business Optimism Not Always a Good Thing," D. H. Baker; "English Gothic Architecture," W. B. Allen; "Diet and Pellagra," J. W. Read; "Play as a Basis of Education," G. N. Cade; "Hydraulic Records," W. N. Gladson; 8:45, program of piano music, Loraine Allen.

KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., concert, old time music, A. L. Thomas, director.

KFRU, Columbia, Mo. (499.7m-600kc), 8:45 a. m., musical program, students of Stephens College Conservatory of Music; 9, educational talk; 4:30-5:30 p. m., Bella Vista Quadrangle orchestra; 6:15, dinner music; 6:45, children's hour, Grace Pemberton; 7, Radio school.

KLDS, Independence, Mo. (440.9m-680kc), 8 p. m., "Problems of Society," Prof. M. A. Etzenhauser; 8:15, program, Mrs. William DeBernardi; Thelma Martinsen, soprano; Margaret Land, pianist; Gilda Clardy, contralto; Bonnie Ruth Hampton, reader; Christine Mears, reader; Verlyn Webb, baritone; Max Dohler, tenor banjo; Jefferson Davis, reader; Helen Lee Hicks, pianist; Emmett Foltz, violinist; Doris Timmons, pianist.

KMA, Shenandoah, Iowa (252m-1190kc), 6-7 p. m., popular musical numbers; 9-11, Delmonico Dreamers.

KOIL, Council Bluffs, Iowa (278m-1080kc), 6:30 p. m., Marr's Imperial dance orchestra; 7:15, Sleepy Time Girl, Bernice Clizbe; 7:30, Harry M. Cooper, baritone; Albert Newquist, tenor; 8, Harmon-jazz orchestra; 11, Woodson's Collegians.

KPRC, Houston, Tex. (296.9m-1010kc), 7:30 p. m., Blanchard's dance orchestra; 8:30, old fiddlers' contest.

KSAC, Manhattan, Kans. (340.7m-880kc), 9-9:25 a. m., music, inspirational talks, agricultural primer, calisthenics; 9:55-10:25, readings, backyard gossip, question box; planning today's meals; 12:35-1:05 p. m., readings, question box; 4:30-5, Botany; 6:30-7:30, music; Extension credit course, Educational Psychology.

KSD, St. Louis, Mo. (545.1m-550kc), 6:55 p. m., WEAF chain; 7:30, Esmeralda Berry Mayes, pianist; 8, WEAF chain Good Will program.

KSO, Clarinda, Iowa (242m-1240kc), 12:30-1:15 p. m., concert; music; garden club; Sunday school lesson; dinner concert; 7-7:30, music; 7:30-9:30, band concert; Dr. Rotton.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9-9:30 p. m., Eastman classical orchestra; 9:30-9:45, Joe Kuntz and his accordion; 9:45-10:15, New Arlington hotel orchestra; 10:15-10:45, Elmer Menard, pianist.

KYW, Chicago, Ill. (536m-560kc), 11:35 a. m., table talk, Mrs. Anna J. Peterson; 12:05-1, noonday concert, Commonwealth Edison company; 1, Joska DeBabary's orchestra; Coon-Sanders' orchestra; 2:35-4, afternoon frolic; 6, dinner music, KDKA; 7:05, bedtime story, Uncle Bob; 7:33-7:53, "The Forestry Clubs," A. L. Ford; "More Adventures of Paul Bunyan," E. W. Meeker; 8, "Twenty Minutes of Good Reading," Rev. C. J. Pernin; 8:25-9, musical program; 9, an hour of music, Commonwealth Edison company; 10-11:30, evening at home, Coon-Sanders orchestra; 1, Insomnia club.

WAMD, Minneapolis, Minn. (244m-1230kc), 12 m., popular program, Norvy Mulligan, pianist; Ray Covert, tenor; Roy Nowack, banjo; Jack Leeman, clarinet; Katherine Grill, contralto; 6:15, dinner concert, George Osborn and his skyrockets.

WBBM, Chicago, Ill. (266m-1330kc), 4-6 p. m., Valentino Inn orchestra; singers; 8-10, Tip trio; Ziegler sisters; Moulin Rouge orchestra; 10-12, Moulin Rouge orchestra; artists and stars.

WBCN, Chicago, Ill. (266m-1130kc), 10-10:30 a. m., Penny Wise, the shopper's ready helper, shopping talk; 7-8 p. m., classical hour; Emily Stone, violinist; Ada Mae Stone, accompanist; Lemmyon Amoureoux, French tenor; Ethel Eaves Price, soprano; Alice McMahon, contralto; Margaret McArthur, pianist; John Williams, baritone; 11-1 a. m., Elmer Jordan and company, Owl matinee.

WCAL, Northfield, Minn. (336.9m-890kc), 8 p. m., sacred program, Rev. L. A. Vigness.

WCBD, Zion, Ill. (344.6m-870kc), 8 p. m., mixed quartet; mandolin and guitar club, assisted by Mrs. Mayfield and Mr. Reed, soprano and baritone; Mrs. Bird and Miss Donovan, soprano and contralto; Mrs. J. D. Thomas, soprano; Ralph Reed, baritone; Florence Farrar and Mr. Paxton, contralto and baritone; Alice Peters violinist; readings.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 12 m., noon concert, Donaldson's orchestra; 2 p. m., "Among the Musicians," H. A. Bellows; 4, readers' club, Eleanor Poehler; 5:30, children's hour; 6, Boy Scout program; 7, program, WEAF; The Larkinites; 7:30, musical program; 8, program, WEAF; 8-9, Clicquot Club Eskimos; 9-10, Silvertown Cord orchestra; 10:05, traffic safety talk, George H. Herrold; 10:20, dance program, Oxford theater orchestra.

WDAF, Kansas City, Mo. (365.6m-820kc), 3:30-4:30 p. m., the Star's string orchestra; 6-7, the Tell-Me-a-Story lady; address, book talk; the Trianon ensemble; 11:45-1 a. m., Ted Weem's Victor Recording orchestra; organ numbers, Ted Meyn; Billy Adair's orchestra.

WEBH, Chicago, Ill. (370.2m-810kc), 7 p. m., Oriole orchestra; 8, special recital; 9, Oriole orchestra; 9:45, Belle Forbes Cutter, soprano; Ruth Buhl Flick, reader; 11, Oriole orchestra; 12:30, Belle Forbes Cutter, soprano; Ruth Buhl Flick, reader; Rita McFawn, Mary Bieber.

WFAA, Dallas, Texas (475.9m-630kc), 12:30-1 p. m., Edgar Norris, pianist; 3:30-4, M. H. Bolack, pianist; 4:30-5, Marion Giles, reader; 6:30-7:30, Baker hotel orchestra; 8:30-9:30, Southbound Life Insurance company; 11-12, Emmett B. Peck, violinist; Edwin Lisman, bass.

WGES, Oak Park, Ill. (250m-1200kc), 5-7 p. m., pipe organ, classical program; 8-9, orchestra, pipe organ; 11-1 a. m., mezzo-soprano, violin, orchestra, Evans Lloyd, composer; Tiffin organ, pianist, others.

WGN, Chicago, Ill. (302.8m-990kc), 10-10:20 a. m., good health and training; 10:20-11, entertainment for shut-ins; 12:40-2:30, luncheon concert, Drake concert ensemble; 2:30, Lyon and Healy artists series; 3:30-4:15, tea time music, Marshall Field's tea room orchestra; 5:30-5:57, Skeezix time; 6:30-7, dinner concert, Drake concert ensemble; 8-9, Clicquot Club Eskimos, WEAF; 9-10, Silvertown orchestra, WEAF; 10-10:10, Sam 'n Henry; 10:10-12:20, old-time favorites; 10:20-11, dance program.

WHAD, Milwaukee, Wis. (275m-1090kc), 11 a. m., pianologue, Andy Mertel; 4 p. m., Mrs. Ferne Medley Hanson, vocalist; I. E. Clayton, baritone; 6:15-7, Bill Benning's Milwaukee Athletic club orchestra.

WHAS, Louisville, Ky. (399.8m-750kc), 1-2 p. m., Benson trio; 3-3:30, Mrs. Myrtle Fulks Zahn, Jr., organist; 7:30-9, concert, Mrs. J. E. Harmon, Jr., director.

WHO, Des Moines, Iowa (526m-570kc), 7:30-8 p. m., Raleigh quintet, Savery hotel; 8-9, Bankers Life trio; Helen Birmingham, director; 11-12, Bankers Life Little symphonic orchestra, Leon A. Dashoff, director.

WHT, Chicago, Ill. (399.8m-750kc), 6 p. m., Al Carney, organist; 6:30, Genevieve Barry Burnham, soprano; Grayling's string trio; 6:45, Swedish program; 7:45 (238), Alamo and Chez Pierre orchestra; 9:30 (399.8), Kitchen Klenzer Klassics; 9:30, Jack Turner, popular singer; 10:10, U. S. L. entertainers; 12, Your hour league.

WIBO, Chicago, Ill. (226m-1330kc), 10-11 a. m., shoppers' bureau, Grace Viall Gray; 2-4 p. m., shut-in program; 6, dinner concert, Walter Preston; WIBO trio, Chester Newman, baritone; Helen Snyder, soprano, Harriet Hebert, contralto; 7:30-8, Swedish program; 12-2 a. m., midnight jamboree.

WJAZ, Chicago, Ill. (322.4m-930kc), 10 p. m., chimes; Eva Polokoff, violinist; Gladys Petersen-Harless, mezzo-soprano; Bess S. Sondel; Norma Kittson, soprano; Betty Chowen, pianist; Eva Polokoff, violinist; Gladys Petersen-Harless, mezzo-soprano; Norma Kittson, soprano; Betty Chowen, pianist; Eva Polokoff, violinist; 11, chimes; Bess S. Sondel; Gladys Petersen-Harless, mezzo-soprano; Norma Kittson, soprano; Betty Chowen, pianist; Eva Polokoff, violinist; Gladys Petersen-Harless, mezzo-soprano; Bess S. Sondel; 12 midnight, midnight chimes.

WJJD, Mooseheart, Ill. (370.2m-820kc), 4-5 p. m., Mooseheart hour, music, younger children; daily assembly of 1,256 children; faculty talks; 6-7, instrumental hour, Howard L. Peterson, playing Geneva organ; the Palmer Symphonic players; Palmer House Victorians; 8-9, Mooseheart children's hour; music by children of all ages, solos, bands, etc.; talk, Matthew P. Adams; 10-11, Oliver Chaplean, tenor; Ruth Allanson, pianist; 12:30-1:30 a. m., settin'-up hour, Garod studio, Palmer House; Palmer House Victorians.

WKAF, Milwaukee, Wis. (261m-1150kc), 8:30-10 p. m., Trixie Ann Troy and her Royal Hawaiians; Hi Coleman's dance orchestra.

WKRC, Cincinnati, Ohio (422.3m-710kc), 10 p. m., Marion McKay and his orchestra; 11, popular songs; Kern Alward, Bert Lindsey, Merrill Schwartz and Abo Farb; 11:15, Marion McKay and his orchestra.

WLIB, Chicago, Ill. (302.8m-990kc), 7-8 p. m., dinner concert; 11-1, popular and dance program, Correll and Gosden and Drake hotel dance orchestra.

WLS, Chicago, Ill. (344.6m-870kc), 12 m., R. F. D. noon program; studio trio; 6, R. F. D. program; studio trio; 6:40, Ralph Emerson, organ recital; 7, Ford and Glenn; lullaby time; Wood Shed theater; 7:20, Thurlow Lieurance, composer of Indian music, with assisting artists.

WLW, Cincinnati, Ohio (422.3m-700kc), 7:30 a. m., healthful exercises, William Stradtman of physical department of Y. M. C. A.; 8, morning devotions, auspices of Parkway Y. M. C. A.; 12:05 p. m., organ concert, Mildred Prigge; 12:30, health talk, Dr. Carl A. Wilzbach; 12:40, songs, Russel (Red) Green, lyric tenor; 4, piano recital, Adelaide Apfel; 4:30, tribute to Abraham Lincoln, M. V. Whitacre; 7, dinner concert, Hotel Gibson orchestra; 7:30, "The Eyes Have It," Dr. Clarence H. Kaufman; 10, three-minute message from U. S. Civil Service department; 10:03, Bill Schoultheis' Cincinnati Post orchestra; 11, special feature, Dayton, Ohio; Venetian trio; 12:15, Night Howls, Crosley Sky Terriers with Kay Nyne, organist; Chief Barker, dance music, Castle farm.

WMAQ, Chicago, Ill. (447.5m-670kc), 12:45 p. m., Radio Farm school; 2, shut-in program; 4, Illinois Federation of Women's clubs program; 4:45, musical program; 5:15, Topsy-Turvy time; 6, Chicago theater organ recital; 6:30, Hotel LaSalle orchestra; 8, musical lecture, Mr. and Mrs. Marx E. Oberndorfer; 8:30, Carl Sandberg, poet; 9, U. of Chicago lecture; 9:40, "Lincoln"; 9:55, U. of Chicago chimes.

WMAZ, Macon, Ga. (261m-1150kc), 10-11 p. m., Pitts jubilee singers.

WMBB, Chicago, Ill. (250m-1200 kc), 7-8 p. m., Trianon duo; Hawaiian songs, guitars, etc.; talk on finance; 9-11, Trianon orchestra, Dell Lampe, conductor; Woodlawn theater orchestra, Armin F. Hand, conductor; Lucille O'Hare, Bob Duffy, Tommie Hughes, popular program.

WMC, Memphis, Tenn. (499.7m-600kc), 7:15 p. m., bedtime stories; 8:45, Cortese ensemble.

WOAN, Lawrenceburg, Tenn. (282.8m-1060kc), 9-10 p. m., Gospel songs.

WOAW, Omaha Nebr. (526m-570kc) 6 p. m., entertainment; 6:20, Manna Kea trio; 6:50, Randall's Royal Fontenelle orchestra; 10:30, Herb Feierman and his Omadala orchestra.

WOC, Davenport, Iowa (483.6m-620kc), 7-7:30 p. m., Larkinites, WEAF; 7:30-8, Harry Yeazelle Mercer, tenor; Erwin Swindell, pianist; 8-9, Clicquot Club Eskimos, WEAF; 9-10, Goodrich Silvertown Cord orchestra; 11-12, LeClaire hotel orchestra; Peter MacArthur, baritone.

WOI, Ames, Iowa (270m-1110kc), 12:30 p. m., college chimes; 7:50, Webster City orchestra.

WOK, Chicago, Ill. (217.3m-1380kc), 4:30-7 p. m., Tearney's Town Club Twilight Dansant; Capitol theater organ; studio program; 10-1:30 a. m., Tearney's Town club orchestra; Carl Lorraine's Pershing Palace orchestra; Husk O'Hare's Cocoanut Grove orchestra; Capitol theater program; studio program.

WOQ, Kansas City, Mo. (278m-1080kc), 7-8 p. m., Unity educational program; 8-9, concert.

WORD, Batavia, Ill. (275m-1090kc), 8 p. m., Webster hotel concert trio; 8:15, Sunday school lesson; 8:30, Cosmopolitan School of Music; 9:30, world news digest.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Gardens orchestra; Clement Laskowski, tenor; Boston store; 10-1, Rainbo Skylarks; Doris Gross, reader; Helen Holman, soprano; Jerry Sullivan; Rose Vanderbosch, soprano; Hal Lansing, ukulele soloist; Ralph Keim, pianist; Anne Keim, soprano; Lew Butler, Giant of Radio; Ray Lawson, tenor; 1-2 a. m., Ginger hour.

WRR, Dallas, Texas (246m-1220kc), 6-7 p. m., Jack Gardner's orchestra; 8-9, Vincent Parrino's orchestra.

WSAI, Cincinnati, Ohio (325.9m-920kc), 6:30 p. m., Hotel Sinton orchestra; 7, program; 8, Clicquot club program of music, WEAF; 9, Silvertown Cord orchestra, Joseph Knecht; 12, Freda Sanker's orchestra.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., program, Spellman college girls; 10:45, Dr. Charles A. Sheldon, Jr., organist.

WSUI, Iowa City, Iowa (483.6m-620kc), 12:30 p. m., organ numbers, Mrs. Preston C. Coast; address.

Mountain Time Stations

CFAC, Calgary, Can. (435.8m-688kc), 7 p. m., bedtime story, Aunt Mary; 9-11, Canadian National Railways program, Albert Garner, tenor; C. N. R.'s orchestra, Gladys Webb Foster, director.

CNRC, Calgary, Can. (435.8m-688.4kc), 7 p. m., kiddies' bedtime story, Aunty Mary; 9, C. N. R. orchestra; Albert Garner, tenor; Miss Beerling, accompanist; May Hockey, cellist; Gladys W. Foster, violinist.

KFWA, Ogden, Utah (261m-1150kc), 4-5 p. m., organ recital, Paramount theater; 5-6, Ogden Radio dealers program.

KFXF, Colorado Springs, Colo. (250m-1200kc), 9-10:30 p. m., Rosemary Gardens dance program.

KOA, Denver, Colo. (322.4m-930kc), 12:15 p. m., Rialto theater musicale; 3:15, relaxing and corrective exercises; 6:30, dinner concert, Brown Palace string orchestra, Howard Tillotson, director.

Pacific Time Stations

KFI, Los Angeles, Calif. (468.5m-640kc), 5:30-6 p. m., Norman Harvey's dance orchestra; 6, nightly doings; 6:15, KFI's Seeing California; 6:30, vest pocket program; 6:45, Radiotorial period; 7-8, program, students University of Southern California; 8-9, hour of dance music; 9-10, program, Chickering hall; 10-11, popular program, Dolly McDonald, blues singer; Rex Payson, jazz pianist.

KFON, Long Beach, Calif. (233m-1290kc), 6-6:30 p. m., organ, Brayton's theater; 6:30-7, amusement information; 7-8, investors' hour; 8, book-lovers' chat; 8:15-9, Long Beach Municipal band.

KFWB, Hollywood, Calif. (252m-1190kc), 8-9 p. m., Bill Blake, tenor; Hy Kasch and his dance orchestra, Lou Parker, ballads; 9-10, program, Don P. Smith, Inc., Diana-Moon dance orchestra; Sol Hoopii's Hawaiians and Ashley Sisters in vocal duets; 10-11, Warner Brothers frolic, featuring Charley Ilch's Sunset Canyon Country club dance orchestra.

KGO, Oakland, Calif. (361.2m-830kc), 4-5:30 p. m., concert orchestra, Hotel St. Francis; 8, "Stung," KGO players; 10-1, Brokaw's dance orchestra.

KGW, Portland, Ore. (491.5m-610kc), 10-11:30 a. m., town crier; music; 12:30-1:30 p. m., concert; Oregon Radio Trades association; 6-7, dinner concert, Olds, Wortman and King company; 7:45-8, lecture, Catholic Truth society.

SPECIAL LINCOLN PROGRAMS FRIDAY

Thursday, February 11

KHJ, Los Angeles, Calif. (405.2m-740kc), 6-6:30 p. m., Leighton's Arcade cafeteria orchestra, Jack Cronshaw, leader; 6:30-7:30, history story, Prof. Hertzog; Dickie Brandon, screen juvenile, Jeanne de Bard, Sunny Jane Hughes and Uncle John; 7:45, health talk, Dr. Philip M. Lovell; 8-10, program, Builders' Finance association.

KMTR, Hollywood, Calif. (238m-1260kc), 5-6 p. m., home hour, Mammy Simmons and pupils of Carter Weaver in continuity program; 6-7, Starr Piano company studio; 7:30, bridge lesson, Bertie D. Hiland; 8-10, the Turner orchestra, direction Loren Powell, Mrs. Edward Crossman, contralto.

KNX, Hollywood, Calif. (336.9m-890kc), 5-5:30 p. m., Sunny Jim's talk; 5:30, First Presbyterian church organ; 5:55, Town Tattler; 6:15, travel talk, W. F. Adler; 6:30-7, Atwater Kent concert orchestra; 7-8, program, H. L. Crockett company, Ilya Bronson, concert cellist; May McDonald Hope, pianist and Corrine Redd, soprano; 8-9, program, Willys-Overland dealers of Southern California; 9-10, courtesy program; 10-11, Ambassador hotel dance orchestra.

KPO, San Francisco, Calif. (428.3m-700kc), 7, 7:30, 8 a. m., daily dozen exercises; 10, domestic science, Virginia Tappan; 1-2 p. m., Rudy Seiger's Fairmont hotel orchestra; 2:30-3:30, matinee program; 3:30-4:30, Cyrus Trobbe's Palace hotel concert orchestra; 5:15-6:15, children's hour stories, Big Brother; 6:40-7, Waldemar Lind and the States Restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel orchestra; 8-9, program, Frederick C. Nodder and the Radio Eight symphony orchestra, George Von Hagel, director; 9-10, program, Folsom Craig duo, male quartets, duets; 10-11, Cabiria cafe orchestra, Jack Coakley, director.

KPSN, Pasadena, Calif. (315.6m-950kc), 8-9 p. m., Star-News program, Pasadena Chamber of Commerce.

KTAB, Oakland, Calif. (240m-1250kc), 9-9:30 a. m., prayer service, Rev. G. W. Phillips; 12-1 p. m., luncheon concert; 8-10, program.

Friday, February 12

Headliners Today

Eastern	Central	Mountain	Pacific
8 p. m.	7 p. m.	6 p. m.	5 p. m.

WAHG (315.6m-950kc) Famous organist.
WBAL (246m-1220kc) Scottish Rite choir.
8:15 7:15 6:15 5:15
KDKA (309.1m-970kc) Lincoln's Birthday program.
WPG (299.8m-1000kc) Wildwood glee club.
8:30 7:30 6:30 5:30
KFNF (263m-1140kc) Patriotic program.
KOIL (278m-1080kc) Lincoln's Birthday program.
9 8 7 6
WJZ (454.3m-660kc), WBZ (333.1m-900kc) Victor hour.
WMAQ (447.5m-670kc) Drinkwater's play, "Lincoln".
WNYC (526m-570kc) American Composers recital.
10 9 8 7
KTHS (374.8m-800kc), Best loved ballads.
WGY (379.5m-790kc) "For Love of Country," melodrama.
WLIT (394.5m-760kc) Morning Glory club concert.
10:15 9:15 8:15 7:15
KOA (322.4m-930kc) Lincoln's Birthday program.
10:30 9:30 8:30 7:30
KTHS (374.8m-800kc) Jack-o-Lantern Night club frolic.
11 10 9 8
KHJ (405.2m-740kc) Lincoln's Birthday program.
KPO (428.3m-700kc) Lincoln's Birthday program.
WSM (282.8m-1060kc) Sextet of Tie Handlers.
11:45 10:45 9:45 8:45
WSB (428.3m-700kc) Americus Georgia program.
1:30 a. m. 12:30 a. m. 11:30 10:30
KGW (491.5m-610kc) Hoot Owl frolic.

Friday, silent night for: CFAC, CHIC, CKNC, CKY, CNRC, CNRM, CNRO, CNRR, CNRW, KFAU, KFEQ, KFKU, KFMQ, KFWA, KFXF, KGO, KFAU, KPRC, KUOM, PWX, WBBR, WCAD, WCBD, WEAO, WEBW, WGBS, WGST, WHAZ, WIP, WJAZ, WKRC, WLW, WLWL, WNAD, WRC, WREO, WRVA, WSAI, WSUI, WSMB, WTAM.

Eastern Time Stations

CNRT, Toronto, Can. (356.9m-840kc), 6:30 p. m., Luigi Romanelli and his King Edward hotel concert orchestra; 8, address, R. H. Fish; 9, Ye Olde Tyme Village quartet; Pearl Carter, reader; Evan O. Withrow, violincellist; 11, Luigi Rommanelli and his King Edward hotel dance orchestra.

KDKA, Pittsburgh, Pa. (309.1m-970kc), 7:15, 8 a. m., exercises, O. Shannon; 5:45 p. m., Auntie Jim's letter from across the sea; 6:30, dinner concert; 8:15, Lincoln's Birthday program; "Lincoln's Second Inaugural Address," W. M. Parrish; Little Symphony orchestra, Victor Saudek, conductor, Civil war melodies; 9, Teaberry time.

WABQ, Haverford, Pa. (261m-1150kc), 11 p. m., Ardmore theater program; William Stewart, pianist, Horace Hustler, organist.

WAHG, Richmond Hill, N. Y. (315.6m-950kc), 12:03 p. m., musicale; 7:30-7:45, Lincoln's Birthday program, Prof. R. E. Mayne; 8-8:45, Fifteenth Great Artist organ recital; William Edward Zeuch, organist; 9, Shackley ensemble; 10:03, studio program; 10:30, Bernie Fletcher's orchestra.

WBAL, Baltimore, Md. (246m-1220kc), 6:30-7:30 p. m., WBAL dinner orchestra, Robert P. Lula, conductor; 7:30-8, WBAL male quartet; 8-9, musical program; concert, Scottish Rite choir, male and female ensemble, Edgar T. Paul, conductor.

WBZ, Springfield, Mass. (333.1m-900kc), 6:30 p. m., Little Symphony orchestra, KDKA; 7, music story hour, Helen S. Leavitt; 7:30, "Appreciation of Music," Prof. John A. O'Shea; 8, concert, Edwin J. McEnnelly's orchestra; 8:30, concert, Boston, Samuel Seiniger, director, with group from Boston symphony orchestra; 9, Victor hour of music, WJZ, WGY; 10:35, McEnnelly's orchestra.

WCAP, Washington, D. C. (468.5m-640kc), 6:45-7:45 a. m., health exercises; 6-12 p. m., dinner hour concert, Mozart string quintet; Sir Hobgoblin story, Blanche Elizabeth Wade, story-teller; talk; dance music.

WCAU, Philadelphia, Pa. (278m-1080kc), 7:30, recital, N. Snellenburg and company; 8, concert; 8:15, chiropractic talk; 8:30, Singing Groundhog; 8:45, The Bryan Girl; 9, novelty songs; 9:15, Dwight Strickland, the "poetician"; 9:30, The Sea Gulls; 10, Willie Horowitz, songs and jests; 10:30, Jack Myers' Musical Architects.

WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., Goldkette ensemble; 9-10, studio program; 10-11, Graystone ballroom; Jean Goldkette's Breeze Blowers and his Victor Recording orchestra.

WEAF, New York, N. Y. (491.5m-610kc), 6:45-7, 7:20 a. m., tower health exercises; 10:45-12, musical program; 4-5 p. m., Mary Killoran, soprano; William Scotti and his Club Florida orchestra; 6-12 midnight, dinner music, Hotel Waldorf-Astoria; Gene Ingraham's Great Notch Inn orchestra; Thomas Hughes, pianist; "Sir Hobgoblin" talk, Blanche Elizabeth Wade; "Happiness Candy Boys"; Eagle Neutrodyn trio; Douglas Harmony quartet; Issay Lukashezsky, violinist; Chamber musicale with Grace Leslie, contralto and Carl Rollins, baritone; Ben Bernie and his Hotel Roosevelt orchestra.

WEAR, Cleveland, Ohio (389.5m-770kc), 7 p. m., Wormack's Singing syncopators; 7:30, children's program; 7:45, talks; 8:15, studio program; 9, Cities service program, WEAF; 9:30, studio program; 10, Wormack's singing syncopators.

WEBJ, New York, N. Y. (272.6m-1100kc), 7-7:30 p. m., Astoria Collegians, Bill Enersen, director; 7:45, Edna Josephs, concert pianist; 8, A. B. Jacobsen, baritone; 8:15-8:30, Leon H. Fox, concert violinist; 8:45, Henryetta Turner, ukulele girl.

WEEI, Boston, Mass. (348.5m-860kc), 6:30 p. m., Joe Rines and his Hunters' Cabin orchestra; 7, Big Brother club; 7:30, Whiting's Grade A entertainers; 8, Sager's half hour of hospitality; 8:30, Neapolitan Ice Cream company program; 9, musicale; 9:30, Carter's Incas; 10, Imperial marimba band.

WFI, Philadelphia, Pa. (394.5m-760kc), 1 p. m., Tea room ensemble; 3, address, Hon. Albert W. Johnson, federal judge; 3:15, de Keller Stuney, reader; 6:30, Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra.

WGBS, New York, N. Y. (315.6m-950kc), 1:30 p. m., special school children's program; 3:15, Joseph Lewis; A. G. Robyn, theory lessons; 6:30, Anzell's orchestra.

WGCP, New York, N. Y. (252m-1190kc), 3 p. m., Samuel Weber, pianist; 3:20, Sherman and Neal; 3:45, Charol de Thomee, pianist; 4:15, Ruby Cowan, songs; 4:30, Ora Welsh, pianist; 5:10, Clarence Profit, pianist; 7, orchestra; 7:30, studio program.

WGY, Schenectady, N. Y. (379.5m-790kc), 2 p. m., Asia Restaurant orchestra; 2:30, music, health notes; one-act play, "Sold," Kitty Cambridge, WGY matinee players; 6:30, International Sunday School lesson; 7, dinner program, Eastman theater; 7:30, health talk; 7:35, French lesson, Leon A. Huguemont; 8:15, "An Interpretation of Lincoln, the Great Emancipator," Rev. Lincoln Caswell; 9, Victor hour of music, WJZ; 10, melodrama, "For Love of Country," WGY players, Ten Eyck Clay, director.

WHAR, Atlanta City, N. J. (275m-1090kc), 2 p. m., Seaside hotel trio; 8, Seaside hotel trio; 11:15, Strand theater organ recital.

WHN, New York, N. Y. (361.2m-830kc), 6 p. m., Littman's dinner music; 6:30, Daddy Dingle and His Jingle Machine; 6:45, Littman's dinner music; 7, Harry Richman and his entertainers; 7:30, Lew Brown and Sidney Claire; 10, Roseland dance orchestra; 10:30, Anatol Friedland; 12-12:30, Silver Slipper orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:45 a. m., setting-up exercises; 7, setting-up exercises; 1 p. m., Gimbel tea room orchestra; 3, "The Determination of Celestial Distances," Dr. Samuel G. Barton; 6:05, Benjamin Franklin concert orchestra; 7, Uncle Wip's bedtime stories; songs by Mary and Helen Leedom.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Jean Goldkette's Petite symphony orchestra; 7:30, Arctic-Condon trio; 8, Jean Goldkette's serenaders.

WKAQ, San Juan, P. R. (340.7m-880kc), 6-8 p. m., talks, Porto Rican Atheneum.

WKAR, Lansing, Mich. (285.5m-1050kc), 7:15-8 p. m., farm crops course.

WLIT, Philadelphia, Pa. (394m-760kc), 12:02 p. m., daily almanac; Stanley theater organ recital; Arcadia cafe concert orchestra; 2, Arcadia cafe concert orchestra; 4:30, recital; 7:30, Dream Daddy's bedtime stories; Sunbeam party; 8, sports talk; 8:30, recital; 10, Morning Glory club concert; Arcadia cafe dance orchestra; 10:30, Rufus and Rastus; 11, continuation of Morning Glory club concert.

WMAK, Buffalo, N. Y. (266m-1130kc), 7:15 p. m., daily news.

WMBF Miami Beach, Fla. (384.4m-780kc), 7-9 p. m., Fleetwood Radio orchestra; Al Wohlman and Dave Bernie.

WMCA, New York, N. Y. (340.7m-880kc), 6-7 p. m., Olcott Vail and his Hotel McAlpin string ensemble; 7:30-8:30, Sach's Musical Monarchs; 8:50-9, Broadway association; 9-10, Hardman hour of music; 10-10:30, Donald Flamm, dramatic critic and Mr. Zero; 11:30-12, Jack Denny and his Frivolity orchestra.

WNYC, New York, N. Y. (526m-570kc), 6:20 p. m., piano selections; 6:30, French lessons; 8, Bernard Baslow, pianist; 8:30, Rudolph Joskowitz, violinist; 9, American composers' recital; 10:10, "Books That Everyone Should Know," Prof. Carter Tropp.

WOO, Philadelphia, Pa. (508.2m-590kc), 11 a. m., organ recital; 12:02 p. m., Golden's crystal tea room orchestra; 7:30, "Sir Hobgoblin," Blanche Elizabeth Wade; 7:45, address; 8, WOO concert orchestra; 9, concert; 9:30, Fox theater orchestra; 10, organ recital; 10:30, Sylvania dance orchestra.

WPG, Atlantic City, N. J. (299.8m-1000kc), 6:45 p. m., Arthur Scott Brook, organist; 7, Hotel Morton dinner music; 8, Lincoln's birthday address, Hon. Frank Smith; 8:15, Wildwood glee club; 9, Hotel Traymore concert orchestra; 10, James Salt Water Taffy Boys' dance orchestra; 11, Jean Wiener, organist.

WRC, Washington, D. C. (468.5m-640kc), 12 m., Otto F. Beck, organist; 1, Meyer Davis' New Willard hotel orchestra; 3:30, U. S. Marine band, WJZ; 5, W. Spencer Tupman's Hotel Mayflower orchestra; 5:45, book review, Alice Hutchins Drake.

WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., dinner concert, Speed-Wagon serenaders; Gold Standard ensemble.

WTAG, Worcester, Mass. (268m-1120kc), 10:30 a. m., musical selections; 12:05-2 p. m., noonday luncheon music, WTAG, Will Hardy, director; 3-5, Tea Dansant music; 7:10, Twinkle Twinkle story teller; 7:30-7:45, stories, Blanche Elizabeth Wade, WEAF; 7:45, "Mechanics of Speech," Meta B. Wade; 8, current events for the blind and shut-ins, Gwendoline Albee.

WTAM, Cleveland, Ohio (389.4m-770kc), 12:15-1:15 p. m., lunch hour music, Guy Lombardo and his Royal Canadians; 6-7, Austin Wylie's Vocalion Recording orchestra.

WTIC, Hartford, Conn. (475.9m-630kc), 12:05 p. m., Travelers club orchestra; 6:30, Hub trio; 7:45, Anita Bird, soloist; 8, "Dress of the Soldier," T. G. Blakeslee; 8:15, Anita Bird, soloist; 8:30, "Noah's Ark Follies," Junior league; 11, Le Bal Tabarin orchestra.

WWJ, Detroit, Mich. (352.7m-850kc), 12:05 p. m., Jules Klein's Hotel Statler orchestra; 3, Detroit News orchestra; 6, dinner concert; 8, News orchestra; 9, dance program.

Central Time Stations

KFAB, Lincoln, Nebr. (340.7-880kc), 8:30-10:30 p. m., Doane college school of music.

KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., discussion, Sunday school lesson; 7:30, patriotic program, Mr. Pearson, director.

KFRU, Columbia, Mo. (499.7m-600kc), 4:30-5:30 p. m., Bella Vista Quardrangle orchestra; 6:15, dinner program, students of the Stephens college conservatory; 7, Radio school; talk, E. M. Harmon; 12-2 a. m., musical program, faculty of the Stephens college of music; Bella Vista Quardrangle orchestra.

KLDS, Independence, Mo. (440.9m-680kc), 6:30 a. m., morning devotional service.

KMA, Shenandoah, Iowa (252m-1190kc), 6-7 p. m., How-do-you-do-Boys; 9-11, Maryville State Teachers' college.

KOIL, Council Bluffs, Iowa (278m-1080kc), 6:30 p. m., Fontenelle orchestra; 7:15, Jack Mellotone, poet; 7:30, Lincoln's birthday, Eleanor S. Smith, director; 11, organ recital; 11:30, entertainers.

KSAC, Manhattan, Kans. (340.7m-880kc), 9-9:25 a. m., music, inspirational talks, agricultural primer, calisthenics; 9:55-10:25, readings, backyard gossip, question box; planning today's meals; 12:35-1:05 p. m., readings, question box; 4:30-5, Lessons in Color and Design; 6:30-7:30, travelogue; Extension credit course, Vocational Education; Extension course, "The Return of the Towns"; "Types of Radio Receiving Sets."

KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., fur hour, Blanche Herrick Hopkins, contralto; 7:30, commerce hour, Dorothy Coates Coe, harpist; 8, Cities Service program, WEAF.

KSO, Clarinda, Iowa (242m-1240kc), 12:30-1:15 p. m., concert; music; garden club; Sunday school lesson; dinner concert; 7-7:30, music; 7:30-9, Bankers' music makers; 9-9:30, Baker and Anderson.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9-9:30 p. m., best loved ballads, Meyer Davis' orchestra; 9:30-10:30, Phil Baxter, Jack-o'-Lantern night club frolic; 10:30-10:45, Eastman hotel orchestra.

KYW, Chicago, Ill. (536m-560kc), 11:35 a. m., table talk, Mrs. Anna J. Peterson; 12:05-1 p. m., concert, Commonwealth Edison company; 1, Joska DeBabary and his orchestra; Coon-Sanders orchestra; 4-5, woman's hour, Mary Casey, director; 6, dinner hour, KDKA, WBZ, KYW, KFKX; 9, hour of music, Commonwealth Edison company; 10-12:30, midnight revue, Paul Ash and his orchestra; Coon-Sanders orchestra; Henri A. Keates, organist; 1, Insomnia club.

WAFD, Port Huron, Mich. (275m-1090kc), 8-10 p. m., old-time dance music.

WAMD, Minneapolis, Minn. (244m-1230kc), 12 m., musical program, Dorothy Vanesek, soprano; Hazel Stageberg, pianist; Cornelius Schwarbel, violinist; Joseph Rudoiff, accompanist; 7:10, music, Ruth Anderson; 8, Reception Five program; 11, Skyrocket frolic, G. Osborn and his orchestra.

WBBM, Chicago, Ill. (226m-1330kc), 4-6 p. m., Valentino Inn orchestra; artists; 8-10, Tip trio; Moulin Rouge orchestra; artists; Verdi trio.

WBCN, Chicago, Ill. (266m-1130kc), 10-10:30 a. m., Penny Wise, the shopper's ready helper, shopping talk; 5-5:15 p. m., police bulletins; 7-8, fireside hour, WBCN hobby club; George R. Cleveland, "Big Boy" Yagle, pianist; Will Rossiter, "Daddy of Song Publishers," tenor and songwriter; Harold Johnson, boy xylophonist; 11-12, request program; Midway Dancing Gardens orchestra; Eddie Matts and Billy Donovan, tenor and pianist; West End Harmony boys, instrumental duo; Ed Dempsey, "Silken-Voiced Tenor"; Alice McMahon, contralto; "Big Boy" Yagel, pianologist.

WCAL, Northfield, Minn. (336.9m-890kc), 8:30 p. m., "The Life of Abraham Lincoln." Dr. George Welda Spohn.

WCCO, Minneapolis-St. Paul, Minn. (416.4-720kc), 12 m., noon concert, Dick Long's Dayton trio; 2:30 p. m., afternoon concert, Dick Long's Nankin cafe orchestra; 4, readers' club, Mrs. Walter Stevens; 6:15, dinner concert, Wesley Barlow's Nicollet hotel orchestra; 8, health talk; 8:15, musical program; 10:05, dance program, Dick Long's Nankin cafe orchestra.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., The Tell-Me-a-Story lady; address; the Trianon ensemble; 8-9:30, Baker university founders' day program; 11:45-1 a. m., Ted Weem's Victor Recording orchestra; Eddie Kuhn's orchestra.

WDOD, Chattanooga, Tenn. (256m-1170kc), 6:30-7 p. m., organ music, Tivoli theater; 7-8, Hotel Patten orchestra; 8:15, special features and program; 11, popular request.

WEBH, Chicago, Ill. (370.2m-810kc), 7 p. m., Oriole orchestra; 8, Pauline Sachs, soprano; Eleanor Kaplan, violinist; 9-9:45, WEBH Light Opera company; 11, Oriole orchestra; 12:30, Irene Beasley, Jack Penewell, Fred Palmiter.

WFAA, Dallas, Tex. (475.9m-630kc), 3:30-4 p. m., program; 4:30-5, Joe Strother, pianist; 6:30-7:30, Ford's Texas trumpeters; 8:30-9:30, George T. Cobb.

WGES, Oak Park, Ill. (250m-1200kc), 5-7 p. m., duo, mezzo-soprano, quartet, organ; 8-9, orchestra, pipe organ, soprano, tenor, pianist; 11-1 a. m., banjo friends, organ, Coyne orchestra, comedian, "Uke Girl."

WGN, Chicago, Ill. (302.8m-990kc), 10-10:20 a. m., good health and training; 10:20-11, entertainment for shutins; 12:40-2:30 p. m., luncheon concert, Drake concert ensemble; 2:30-3, Lyon and Healy artists' series; 3:30-4:15, tea time music, Marshall Field's tea room orchestra; 5:30-5:57, Skeezix time; 6:30-7, dinner concert, Drake concert ensemble; 8-9, music hour; 9-10, popular program; 10-10:10, Sam 'n Henry; 10:10-10:20, old-time favorites; 10:20-11, dance program.

WHAD, Milwaukee, Wis. (275m-1090kc), 11 a. m., pianologue, Andy Hertel; 4 p. m., Ira Schnell, baritone; 6-7, Arthur Richter, organist; 7, Bill Juhre's Radio cartoon game; 8:30-10, Wisconsin theater revue; 35-piece Wisconsin theater concert orchestra; Dexter's Wisconsin roof orchestra.

WHAS, Louisville, Ky. (399.8m-750kc), 1-2 p. m., Royal Peacock orchestra; 3-3:30, Mrs. Myrtle Fulks Zahn, Jr., organist; 4-5, Music Box; 7:30-9, Louisville Music and Radio company.

WHO, Des Moines, Iowa (526m-570kc), 7:30-9 p. m., program, Des Moines Credit Men's association; 11-12, Bankers Life Corn Sugar orchestra.

WHT, Chicago, Ill. (399.8m-750kc), 6 p. m., Al Carney, organist; Grayling's string trio; Lillian Knowles, Ruth Rauh, pianist; 6:50, Ray-O-Vac program; 7:45-9:15 (238), musical features; 9:30 (399.8), Dutch Master entertainers; 10:05, Loftis half-hour of dance music; 12, Your hour league.

WIBO, Chicago, Ill. (226m-1330kc), 10-11 a. m., shopper's bureau; 2-4 p. m., popular program for shut-ins; 6-8, dinner concert, Walter Preston; WIBO trio; Rae McKay, Otis Pike, jester.

WJJD, Mooseheart, Ill. (370.2m-820kc), 4-5 p. m., Mooseheart hour; music, younger children; daily assembly of 1,256 children; faculty talks; 6-7, instrumental hour, Howard L. Peterson playing Geneva organ; Palmer symphonic players; Palmer House Victorians; 8-9, Mooseheart children's hour, music, children of all ages, solos, band, etc,; talk, Matthew P. Adams; 10-11, R. V. Thomas, bass; Jahn Rankel, tenor; 12:30-1:30 a. m., settin'-up hour, Garod studio, Palmer House; Palmer House Victorians.

WKAF, Milwaukee, Wis. (261m-1150kc), 10-11 p. m., Seventh Day Adventists' quartet; Mrs. E. A. Keppler, violinist; Mrs. A. J. Werner, pianist.

WLIB, Chicago, Ill. (302.8m-990kc), 7-8 p. m., dinner concert; 11-1, popular program, Correll and Gosden and the Drake hotel dance orchestra.

WLS, Chicago, Ill. (344.6m-870kc), 12 m., Ford and Glenn; 6, R. F. D. school program; Ford and Glenn; 7, Ford and Glenn lullaby time; 7:15, studio trio; 7:15, Wallace Bruce Amsbary in poems of "Lincoln"; 8, Rodeheavor presents chorus of 42 voices; 8:30, Ford and Glenn; 9, Ruth Etting; 9:15, Thurlow Lieurance, composer of Indian music, with assisting artists; 10, Ford and Glenn; music shop; 11, Paul Ash and his gang; 12, Ralph Emerson surprise program.

WLW, Cincinnati, Ohio (422.3m-700kc), 7:30 a. m., healthful exercises, Y. M. C. A.; 8, morning devotions, auspices of Parkway Y. M. C. A.; 12:05 p. m., organ concert, Lincoln's Birthday program; 12:30, Hotel Gibson orchestra.

WMAQ, Chicago, Ill. (447.5m-670kc), 12:25 p. m., Y. M. C. A. forum; 1, Radio farm school; 2, shut-in program; 4, "The Preschool Child;" 4:15, health talk, Charlotte Walls; 4:30, "Foibles of the Moment," Mrs. Graham Aldis; 4:45, Child-life stories; 5:15, Topsy-Turvy time; 6, organ; 6:20, Family Altar league; 6:30, Wide-Awake club; 8, "Drinkwater's play, "Lincoln," WMAQ players.

WMAZ, Macon, Ga. (261m-1150kc), 8-9 p. m., morning music club; 9-10, Pilot club; 10-11, Wesleyan college student night.

WMBB, Chicago, Ill. (250m-1200kc), 7-8 p. m., Trianon duo; Frank Bordner, baritone; "Old Virginia Colonel," Frank Chaplin; Preston Graves, pianist; 9-11, Trianon orchestra, Dell Lampe, conductor; Woodlawn theater orchestra, Armin F. Hund, conductor; Eddie Matts and Billie Donovan, William Lightfeld, Walter Duffy, Earl Smith, popular program.

WMC, Memphis, Tenn. (499.7m-600kc), 7:15 p. m., bedtime stories; 8:30, Cooper's Hawaiians; 11, midnight frolic, Bob Miller.

WOAI, San Antonio, Tex. (394.5m-760kc), 8:30 p. m., San Antonio Express-Evening News program.

WOAN, Lawrenceburg, Tenn. (282.8m-1060kc), 9-10 p. m., male quartet and orchestra, Y. M. Cornelius, director.

WOAW, Omaha, Nebr. (526-570kc), 6 p. m., music review, Hester Bronson Copper; 6:20, Francis Potter's banjo orchestra; 6:50, Gilbert Jaffy and his Little symphony; 9, classical; 10:15, Frank Hodek and his Nightingale orchestra.

WOC, Davenport, Iowa (483.6m-620kc), 8-9:30 p. m., Davenport Industrial commission program; 9:30-10:30, travel talk.

WOI, Ames, Iowa (270m-1110kc), 12:30 p. m., college chimes.

WOK, Chicago, Ill. (217.3m-1380kc), 4:30-7 p. m., Tearney's Town Club Twilight Dansant; Capitol theater organ; studio program; 10-1:30 a. m., Tearney's Town club orchestra; Carl Lorraine's Pershing Palace orchestra; Husk O'Hare's Cocoanut Grove orchestra; Capitol theater program; studio program.

WORD, Batavia, Ill. (275m-1090kc), 7 p. m., North Shore line; 7:45, Uncle Dan; 9, Glenn Dillard Gunn School of Music; 11, program, W. A. Sheaffer Pen company; 11:45, Golden Age.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Gardens orchestra; Henrietta Nolan, violinist; "Before Jehovah's Awful Throne," H. W. Bundy; Willard O. Johnson, accompanist; Margaret Cade, soprano; Madeline Ruff, accompanist; 10-1 a. m., Rainbo Skylarks; Dr. H. Lucille Long, harmonica player; Eleanor Terry, Marie Pollette; Melodians; Dean Terrill, baritone; Merrill Carder, baritone; Mary Wade, soprano; Roma Vincent, boy baritone; 1-2, Ginger hour.

WRR, Dallas, Tex. (246m-1220kc), 6-7 p. m., Jack Gardner's orchestra; 8-9, Mabel Bush, violinist; 11-12, George Perfect.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., concert; 10:45, Americus Georgia program.

WSM, Nashville, Tenn. (282.8m-1060kc), 6:30 p. m., concert, Francis Craig's orchestra; 7, bedtime story interlude; 8, Columbia Military Academy orchestra; 10, sextet of Tie Handlers.

WSUI, Iowa City, Iowa (483.6m-620kc), 12:30 p. m., Dr. Jacob Kwalwasser, pianist.

Mountain Time Stations

CFAC, Calgary, Can. (435.8m-688kc), 7-8 p. m., special salon program.

KFWA, Ogden, Utah (261m-1150kc), 4-5 p. m., organ recital, Paramount theater; 5-6, Ogden Radio dealers program; 9-10, musical program, J. G. Read and brothers.

KLX, Oakland, Calif. (508.2m590kc), 5-5:30 p. m., Aunt Elsie's sunset matinee; 7-7:30, news; 8-9:45, studio program; 9:45-10:30, Athens Athletic club orchestra.

KOA, Denver, Colo. (322.4m-930kc), 12:15 p. m., Rialto theater musicale; 3:15, relaxing and corrective exercises; 6:30, dinner concert, Brown Palace string orchestra, Howard Tillotson, director; 7:30, Sunday school lesson review; 8, instrumental program, Scheuerman's Colorado orchestra; 8:15, special program; organ selections, Royce H. Mintener; address, "Lincoln's Gettysburg Address," Stanley C. Warner; contralto solos, Lucile Fowler; address, "Abraham Lincoln," Rev. Loren M. Edwards; violin solos, Mrs. Della Hoover Francis; vocal quartet selections; vocal trio selections, Mrs. Agnes Clark Glaister, soprano; Mrs. Bessie Dade Hughes, contralto; Robert H. Edwards, tenor.

KOB, State College, N. Mex. (348.6m-860kc), 7:30-8:30 p. m., student recital.

KSL, Salt Lake City, Utah (299.8m-1000kc), 7:35 p. m., "The Story of Political Science and Lincoln," Prof. E. D. Thomas.

Pacific Time Stations

KFI, Los Angeles, Calif. (468.5m-640kc), 5:30-6 p. m., Kenneth Morse and his orchestra; 6, nightly doings; 6:15, KFI's Seeing California; 6:30, vest pocket program; 6:45, Radiotorial period; 7-8, Carlyle Stevenson's El Patio ballroom orchestra; 8-9, Aeolian residence pipe organ, Dan L. McFarland, organist; 9-10, Wm. MacDougal, Scotch comedian and Mutual Motors mirth contest; 10-11, Screen Artists string quartet.

KFOA, Seattle, Wash. (454.3m-660kc), 12:30-1:30 p. m., program; 4-5:15, Wm. F. Hoffman's orchestra; today's recipe; 6-6:45, Hoffman concert orchestra; 6:46-8:15, program; 8:30-10, Times studio program; 10-11, serenaders.

KFON, Long Beach, Calif. (233m-1290kc), 6-6:30 p. m., organ, Brayton's theater; 6:30-7, amusement information; 7-7:30, studio program; 7:30-8, Long Beach Municipal band; 8-9, Press-Telegram hour; 10-11, Long Beach Elks No. 888 frolic.

KFWB, Hollywood, Calif. (252m-1190kc), 7:10 p. m., safety first talk, Officer E. G. Brown; 7:20, Jack Boaz, hunting and fishing scout; 7:30, eye-o-logue, Dr. Marshutz; 7:45, microphone brevities; 8-9, Warner brothers syncopators; Lois Woody, soprano; Frank Stever, baritone; Estelle Shake, blues singer; 9-10, Mrs. Vivian Kidson, soprano; Tom Breneman, baritone; Geo. Wilson, popular songs; Jean Johnson, pianist; 10-11, Warner brothers frolic, direction Charlie Wellman.

KGO, Oakland, Calif. (361.2m-830kc), 3-4 p. m., "Lincoln in Literature," Joseph Henry Jackson; Dorothy Clute, mezzo-soprano; Mrs. Kleo Orand, mezzo-soprano; Anna Lucchesi, pianist; Alice Davies Endriss, violinist; 4-5:30, concert orchestra, Hotel St. Francis; 5:30-6, girls' half hour.

KGW, Portland, Ore. (491.5m-610kc), 7:15 a. m., Y. M. C. A. physical culture exercises; 12:30-1:30 p. m., concert, Oregon Radio Trades association; 6-7, dinner concert, Olds, Wortman and King company; 8-9, concert; 9-10:30, concert, Sherman, Clay and company; 10:30-12, Hoot Owl frolic.

KHJ, Los Angeles, Calif. (405.2m-740kc), 6-6:30 p. m., Leighton's Arcade cafeteria orchestra, Jack Cronshaw, leader; 6:30-7:30, history story, Prof. Hertzog; Richard Headrick, screen starlet, Vyola Von and Uncle John; 7:30, "Romance of Santa Fe Trail," Miss Gladys DeWitt; 8-10, program, Lincoln's birthday, Western Auto Supply company.

KLX, Oakland, Calif. (508.2m-590kc), 4-5 p. m., women's hour; 5-5:30, Aunt Elsie's Sunset matinee; 8-9:45, studio program; 9:45-10:30, Athens Athletic club orchestra.

KMTR, Hollywood, Calif. (238m-1260kc), 5-6 p. m., Peter Pan hour, Mammy Simmons and the naborhood children; 7, "Color Photography," Chas. W. Beam; 7:30, "Wonders of Nature," Prof. Alfred Cookman; 8-10, Turner orchestra, Loren Powell, director; Canadian male quartet; 10-11, Starr Piano company studio.

KNX, Hollywood, Calif. (336.9m-890kc), 5-5:30 p. m., Sunny Jim's talk; 5:30, First Presbyterian church; 5:55, Town Tattler; 6:15, travel talk, W. F. Alder; 6:30-7, Atwater Kent concert orchestra; 7-8, program, Jell-X-Cell company; 8-9, KNX feature program; 9-10, Order of Optimistic Donuts; 10-11, the fights from the Hollywood American Legion stadium; 11-12, Ambassador hotel dance orchestra.

KOAC, Corvallis, Ore. (280.2m-1070kc), 7:20 p. m., musical selections; 7:30, "An Advertising Talk to Purchasers"; 8-9, program of music.

KPO, San Francisco, Calif. (428.3m-700kc), 7, 7:30, 8 a. m., daily dozen exercises; 12:45, talk; 1:30-2, Rudy Seiger's Fairmont hotel orchestra; 5:30-6, Children's hour stories, Big Brothers; 6:30-7, Waldemar Lind and the States Restaurant orchestra; 7-7:10, Investment talk, J. C. Wilson; 7:10-7:30, Rudy Seiger's Fairmont hotel orchestra; 8-9, special Lincoln's birthday program, Lincoln Grammar school alumni; Charles Bulotti, tenor; Harry L. Perry, bass; 9-10, Palace hotel roseroom dance orchestra, Gene James, director; 10-11, Waldemar Lind and the States Restaurant orchestra.

KTAB, Oakland, Calif. (240m-1250kc), 9-9:30 a. m., prayer service, Rev. G. W. Phillips; 12-1 p. m., luncheon concert; 8-10, program, Breuner's.

KWSC, Pullman, Wash. (348.6m-860kc), 7:30-9 p. m., saxophone solos, Clarice Shattuck; Mrs. L. A. Kirtland, vocalist; Helen Hale, whistler and pianist; readings, Clelah Cooper; book reviews, Alice Lindsay Webb; "Geology of the Northwest—No. 2, The River That Went Out to the Sea," Dr. H. E. Culver.

Radio Digest Illustrated

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Vol. XVI **Saturday, February 6, 1926** **No. 5**

The "Piracy" Case of WJAZ

NEWS accounts throughout the country have carried vivid stories telling how WJAZ, the Zenith station in Chicago, has "taken" the wave length of 329.5 meters. The wave is reserved, without treaty, for Canadian use. Undoubtedly everyone by now has read about the matter, so there is no need to go into a detailed rehearsal of the news.

What can the U. S. government do about the matter? If unsuccessful, will the air be crowded to the point of pandemonium by others who strive to duplicate WJAZ's success?

We believe that no harm can result from the test case inaugurated by the Zenith station. E. F. McDonald, Jr., is placing his resources and his station in the balance to determine really just what the status of Radio is in the United States.

If the secretary of commerce is shown to have abused his discretionary powers by granting favors to certain firms and not to all, then we must remedy the situation.

Congress must take Radio away from Secretary Hoover and his successors in that event.

Perhaps the solution will be to form a non-partisan, representative body such as the interstate commerce commission, this body to handle with full discretionary powers (with the courts for appeal) all matters pertaining to Radio, the distribution of wave lengths, the division of time by broadcasters, etc. The new body might well be called the interstate communications commission, and besides Radio, it could handle wire telegraph and telephone affairs.

Other countries have such bodies, and have had them for some time. Witness the ministry of telephones and telegraph of France. This ministry also has charge of the administration of Radio. In Great Britain the post office department is the administrative head of all Radio and communication services.

Whether or not Mr. Hoover is shown to have abused his powers as chief of the Radio service, the commission suggested should be formed. No one man can assume, without being called partial, the responsibility that now rests upon the shoulders of the secretary of commerce.

The Radio bills now before the senate and house of representatives would give Mr. Hoover, or his successor, even more power. If these bills are passed unamended, the secretary of commerce will be czar of a vital means of propaganda.

Will this czar always be honest with this dangerous weapon in his hand?

The WJAZ case may bring much to light that will interest the senators and representatives now engaged in the study of bills which will determine the future method of Radio administration.

"Program Coming in Fine"

WE SPOKE recently concerning the cost of broadcasting. In our editorial we advised that the better class of broadcasters were worthy of our good will, or quoted, "It is our duty to support them with our good will."

As a result, one of our consistent readers begs to challenge.

"If my conception of the phrase is at fault," this reader remarks, "I offer my humble apologies, but nevertheless, the situation has actually assumed serious proportions. I have heard people remark that they do not care to buy a receiving set in order to hear nothing but telegrams and other messages."

He is quite right. We did not mean to say that people should telegraph and telephone stations to show their good will. A silent good will, or bad will, is more effective.

If a station violates good broadcasting ethics by making up its evening's entertainment of telegrams and letters received, it is our duty to quit writing and telegraphing that station. That is where the "silent bad will" will begin to take effect.

It is not our duty to list the numerous "telegram-program" stations. There are entirely too many, suffice to say.

We have recommended many means of clearing the air of its present congestion. Perhaps one very effective manner would be to cancel the license of every broadcaster found reading telegrams.

RADIO INDI-GEST

THE RADIO BUILDERS

Whether the light comes from the sun or incandescent glow,
We toil and think in factory bright to make your Radio.
No task is so world wide as ours—all craftsmen play a part
We make of Nature's giant powers the slaves of Radio art.

For us Montana miners toil the copper ore to dig,
That we may make the Mystic coils and all your "aerials" rig.
Steel workers grim with blast on blast, make up our sheets and bars,
Their furnace roars the whole night through, so bright it fades the stars.

Down south below the equator's line, in jungles of Brazil.
The Indians smoke the milky sap to feed our rubber mill.
No task is so world wide as ours, all craftsmen play a part,
For you we spend our working hours and search out every mart.

In China, worms on Mul'bry trees, the silk cocoons do spin;
In Singapore the coolies toil to send us precious tin.
For us a thousand ships now sail with metals, ores and gums,
Through seven seas in storms and calm, while our machinery hums.

For us a thousand freight trains roar, with felt and wood and glass,
And metallurgists make alloys of Tungsten, chromium or brass.

From trees in far off India, the Hindoo strips a wax
Which insects laid to hold their eggs—it makes our best shellacs.

For us from Georgia's trees of pine, the rosin gum is stealing,
For us the mills in Caroline, the cotton spools are reeling.

No task is so world wide as ours, all craftsmen play a part,
We tame electrons in the "lab" and use them in our art.
The miners, sailors, smelters, all who toil from morn till late,
Are listening to the Radio call, their labor helped create.
Is romance dead? From countless throats, we hear a mighty NO!
For all do either build or hear, our country's Radio.

By Charles M. Ripley and Frederick A. Hull
Schenectady, N. Y.

Should Have Been Harmonicas

Dear Indi: Ha! Zenith is right. Mr. Hoover and his department of commerce are attempting to put Radio on the fritz. The following headline, taken from the latest "Radio Service Bulletin" of the commerce department, proves our contention. Here 'tis:

BROADCASTING STATIONS EQUIPPED SO AS TO SUPPRESS HARMONIES.

GUM SHOE

Jah Wohl, Er Hat Narrheit

Dear Indi: I gott a ledder from Coussin John who iss inn Germany de odder day. He sez dey are macking Wernier controlls fawr gass stoffs and stoff pipe dahmphers.

HERR WALT

Was ist los mit Ihnen, meiner freund? Wissen sie nicht dass it is nach dem Deutschen law Wernier knobs und controls on den gas range auch stove pipes zu put? Deiner Freund hat ein screw loose in his kopf geworden sein, nicht wahr?

Paging King Tutt

Dear Old King Tutt: Had pleasant feeling reading your poem, "You Mean Hearing." There are no more cats fighting and panthers yelling in my set. I twist the dials of a good 8-tube super under a beautiful blue sky and Havana and Chicago come nicely like Heaven.
Yours sincerely, JUAN DEL RIO H.

There you are, King Tutt, a post card for you from Cuba. If you will send in your address to me I will deliver to you a beautiful picture of Parque Marti, Manzarillo Oriente, and a little more of the love note from Juan.

Might Grow Whiskers

Dear Indi: There is a Radio problem in our town. A local barber has a Radio receiver in his shop and when we want a shave, he turns on the set and starts jazzing to the music. We want to get a shave but are afraid to, and as he is the only barber in town, we are in a rotten fix. Can you help us out of this predicament?

One day this barber was listening to a prize fight and hit one of the customers on the jaw, putting him unconscious.

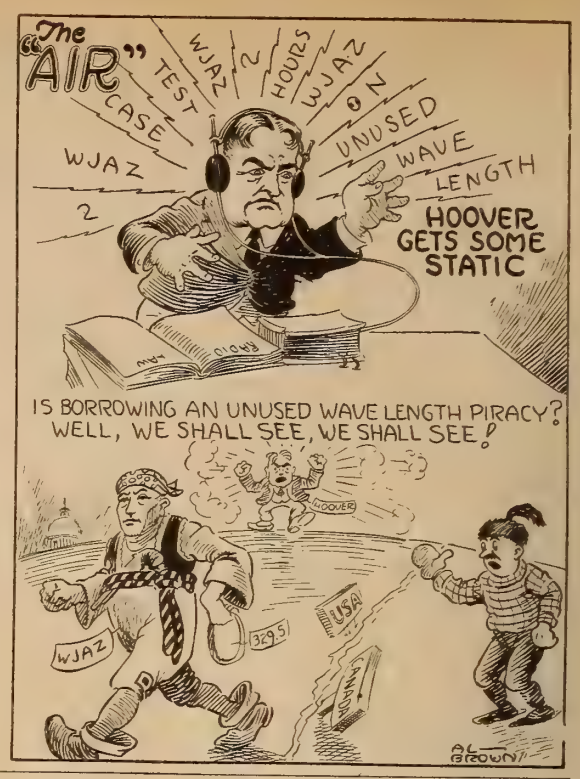
Hoping you are the same, yours truly,
JUSTIN TIME

It was really unfortunate, Walt, that Indi got your letter on pay day or you might have found him the same. Must be conscious on that occasion. Probably your tonsorial artist has been tuning in on "The Barber of Seville" and thinks he is like the chirurgeon who bled his customers as readily as he shaved them. Suggest he get Ford and Glenn or the Harmony Girls with their barber shop chords, or the Smith Brothers over WEAF. Anyway, whad'ya kickin' about? You want a close shave when you go in there, don't you?

Ours Broke Our Window

"Striking of clock hinders reception" is a headline on one of the stories in this week's Digest. Blooper says that's nothing compared to what the ringing of an alarm clock hinders.

Hoover Tunes in 329.5



Condensed

BY DIELECTRIC

They certainly do take to dancing in Florida, if the preponderance of dance numbers on the programs of broadcasters there are fairly indicative. And such playing! As listeners heard one after another of the modern selections played by an orchestra through WMBF, Miami Beach, their consensus of opinion would have been that those players attacked the music with all the enthusiasm of brand new works, with none of the faltering unfamiliarity might have produced. And the announcements are clear and sufficiently slow to be understood by all.

It is possible with some orators addressing us in a foreign tongue to catch the drift of their remarks, though this is less likely to happen than where the words are set to music. Given Norse songs, with their fire and adventure, sung by Norwegians with trained voices and an expert leader, no one stops to note the unintelligible words. This experience was had by those tuned to WOAW, Omaha, not long ago, and a repitition of such a program should prove popular.

Instances of broadcasting from the stage of some theater in the large cities of this country are becoming more numerous—possibly more entertaining. Few features of the kind excell in general interest the broadcasting by Station WEBH, Chicago, from the Uptown theater in that city, where one may listen to a very good little symphony orchestra in a variety of musical presentations. Transmission is good.

Station WCAU, Philadelphia, presented a quartet of male voices known as the Jolly Four which supplied as much entertainment as that station can be credited with for some time past. Not all of their numbers were selected from among those songs heard almost nightly, but included a few new ones. More particularly one feels inclined to commend the pleasing blending of the four voices, none of which predominated nor marred the uniform effect of unity—both tone and expression.

Once more we feel obliged to the Victor company for an evening of almost unalloyed pleasure; "almost" appears, due to rather poor modulation during the singing of the famous Prologue by Titto Ruffo. However, we have no regrets for having offered us such artists and especially the Flonzaley quartet, to which there is no equal. When one may listen to the playing of these four men there is nothing to wish further. Again I suggest our commendation would not be amiss.

These community concerts are attracting attention not only to the cities sponsoring them but to the possibilities within them of providing musical talent and entertainment well worth a hearing. It may develop a national contest of community choruses with the listening public as judges, thus promoting a friendly rivalry by Radio and at the same time increase knowledge of choral music. WSAI, Cincinnati, had one such concert with piano selections including some of the best musical literature for the instrument, as well as vocal solos chosen from such composers as Grieg, Rachmaninoff etc.

A midnight dance program fostered by Station KDKA, Pittsburgh, had little to make it stand out above a host of other dance features presented at the same time, yet many fans remained to imagine themselves a part of the interfraternity ball given under the auspices of the University of Pittsburgh. It's probably the audiences present and audible to listeners which make such an event attractive.

ABC Radio Fundamentals for Everybody

Chapter V—The Detector or Converter

By Milo Gurney

VERY often truly great inventions revert to the commonplace early in their life, through association with previous methods, which refuse to step aside, other than very slowly, because of a lack of understanding of the invention's inherent greatness. Such seems to be true of the triode or three-element vacuum tube, whose function in a Radio receiver detector or converter circuit will be the subject of this article.

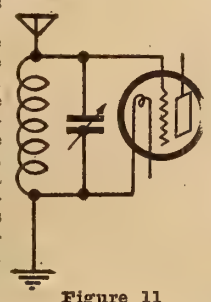


Figure 11

In order that the discussion may be made clear, figure 11 of last week's article is repeated, while figure 14 pictures the same arrangement, with the addition of a detector tube, together with the batteries and head phones required to complete an audible circuit.

Recall, if you will, the method of tuning outlined in last week's article and note with the addition of the vacuum tube, wires are connected to the coil which run to terminals G (or grid), and plus F (or filament). (The latter wire is also connected to minus filament, though never in a detector circuit.) The purpose of the wire connections is to act as conveyers to the detector tube for the radio frequency currents or inaudible frequencies of the station selected. At the detector they are to be converted into audible frequencies.

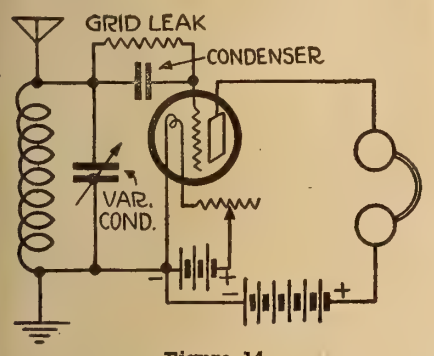


Figure 14

It is this conversion, which so mystifies those not versed in Radio technique, and which the author hopes will, following his explanation, create a profound respect for the inventors of the vacuum tube, Dr. J. A. Fleming, an English inventor, and our own Dr. Lee De Forest.

Structure of Tube

Figure 15 is diagrammatic of such a tube, comprising an evacuated glass bulb, together with its internal elements, and their respective locations within the bulb. —F and +F represent the terminals of a continuous wire, termed a filament, somewhat similar to the filament of an ordinary electric lamp; a plate (P), which as the name implies, is but a plate or sometimes a circular disc of metal, with its connecting terminal; and a grid (G), which is also of metal, but provided with several ladder-like openings in its structure. The grid is placed between the filament and the plate, the filament terminals are connected to a battery, with one arm directly connected and the other in series, with a resistance, to the opposed terminal of the battery.

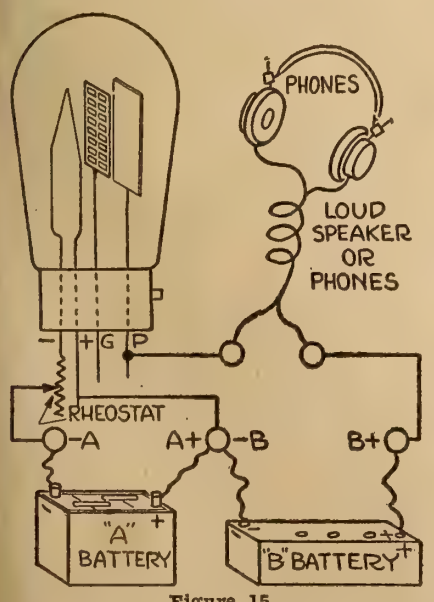


Figure 15

Since the function of this battery, which is known as the A battery, is to supply current to heat the filament, the resistance, or rheostat is made variable in order that the current from the battery may be so regulated as to heat the filament to the desired temperature.

For a great many years prior to the invention of the vacuum tube it was known that a metallic filament or wire, when heated within a vacuum, would give off minute particles, or negative charges of electricity. These negative charges are known as electrons, and are boiled out of the filament in much the same manner as water particles are shot out from boiling hot water.

It was discovered by Dr. Fleming that if a metallic plate, such as P in figure 15, was introduced into this vacuum and connected to a positive charge of electricity, then following the law that opposites attract, while likes repel, the negative electrons which were emitted from the filament under heat would be attracted to this positively charged plate. It was also found that the mass flow would be equivalent to a current passing over this space between filament and plate. It is this current flow which is known as the space charge. It was further noted that, while a considerable space charge would flow in the direction indicated, little if any could be made to flow in the opposite direction. Following this discovery, it was but a step in application, to realize that the final result was a true one-way valve which, if placed in series with an alternating current, one-half of the alternations would be suppressed, thus converting it into a pulsating direct current. Such converted current is analogous to the current explained in a previous article as being used in wire telephony. An example of the space charge is given in figure 16.

De Forest Invents Control

It is now apparent to the careful reader that the above result, of itself, would be of doubtful value, unless some means were provided to control the electron flow. Dr. Lee De Forest, America's wizard physicist, stepped into

(Continued on page 24)

The Best Radio Affords!

$1.00 down!

FREE

Hydrometer and Voltmeter

As an *extra special* offer to those who hurry their order for the Radiotone Loud Speaker offered below, we shall include absolutely free a highest grade *Hydrometer* to test your "A" battery and a guaranteed accurate *Voltmeter* to test your "B" batteries. You need these two accessories if you want to keep your radio always at its best efficiency. A genuine $3.00 value—and given *free* on this special sale, while it lasts. So act quick!

Radiotone Loud Speaker

Only $1.00 with the coupon below brings this Genuine Radiotone loud speaker to your home on approval for 30 days! No radio is complete without a *good* loud speaker. Here's a first class loud speaker at an astounding rock-bottom price, direct—and on easy, monthly payments besides! Special now—Hydrometer and Voltmeter, $3.00 value, included FREE, if you send at once.

Makes Your Radio Complete

The Radiotone is super-sensitive, brings in distant stations with full volume so every one in the room can hear distinctly and easily. Wonderful clearness and absolute purity of tone. No distortion.

The Radiotone has a 14-inch horn made of Thorite in one piece without seam or joint, accoustically correct. This eliminates the metallic clang you often hear in other loud speakers. The reproducing unit is entirely enclosed at the base of the horn. The well balanced construction does away with all vibrations. The Radiotone has a graceful shape with a beautiful black florduline finish. It stands 23 inches high and weighs only 15 lbs. No extra batteries needed for the Radiotone—just plug it in as you do your head set. Nothing to wear out or get out of order. Sent complete with cord and plug.

30 Days Trial—$3.00 a Month

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Enclosed find $1. Ship special advertised Radiotone Loud Speaker. I am to have 30 days free trial. If I keep the Radiotone, I will pay you $3.00 monthly, total price $25. The Radiotone is to become my property as soon as you receive the final payment. If not satisfied, I am to return it within 30 days and you are to refund my money and any express charges I paid.

Radiotone Loud Speaker No. Y8726A—$25.00. **Hydrometer and Voltmeter FREE**

My Name _____
(Head of the family must sign this order. If you are not of age, have your parent or guardian order for you.)

My Street Address
R. F. D. or Box No. _____

My Post Office _____ *My State* _____

My Shipping Point _____ *I have lived in this Town* _____ *years*

And before that I lived in _____ *for* _____ *years*
Town State

Occupation is _____ *Age* _____ *Married or Single* _____

Give names of merchants who know you personally

Name _____ *Town* _____ *State* _____

Name _____ *Town* _____ *State* _____

If you have ever bought goods on credit by mail, tell us from whom. If there is anything else you wish to tell us about yourself, write on a piece of paper and enclose it with this coupon. But the coupon alone, fully filled out will do.

That's all we want to know and we're ready to ship the goods at once. No formalities. No C.O.D. We trust rich and poor alike when they merely show us that they are honest.

When the Radiotone comes, there's nothing to pay. Use it freely at our risk, on trial for 30 days. See how loud, clear and distinct the Radiotone brings in all stations—better than any other loud speaker that you have ever heard, giving you the best that is in your set. After 30 days trial if you think you can get along without the Radiotone, return it to us and we will refund your dollar plus all transportation charges. No red tape. The trial costs you not a cent. But if you decide to keep the Radiotone, pay only $3.00 a month until you have paid the total rock-bottom direct price—only $25.00. See if you can equal this offer anywhere on such amazingly liberal terms. You'll scarcely feel those small monthly payments.

Send Coupon NOW!

Only $1.00 with the coupon brings the Radiotone on 30 days' trial, satisfaction guaranteed, your dollar refunded if not satisfied. Send the coupon now while this special offer lasts. **Hydrometer and Voltmeter FREE, if you act quick.**

STRAUS & SCHRAM

Dept. R9412 Chicago, Ill.

A B C'S OF RADIO SETS

(Continued from page 23)

the tube development at this stage, through discovering that if an additional valve, now known as the grid (G) was introduced into the tube and was placed between the plate and filament so that

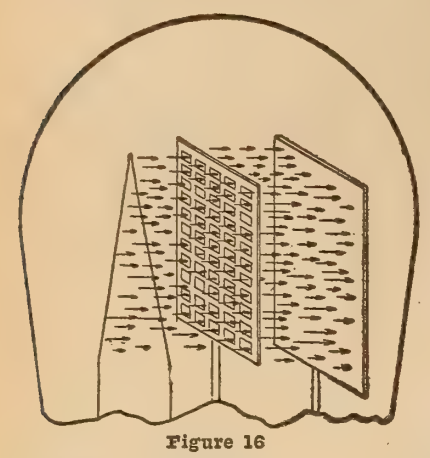

Figure 16

it would intercept and cause the electrons to pass through it on their journey to the filament, it could be made to function as an automatic gate to regulate the flow of electrons to the plate. This discovery and its application almost revolutionized the possibilities previously attributed to the vacuum tube and made ready a paved road to wonders of achievement.

The subject is much too important to pass over without a detailed explanation of the grid element and its associated grid leak and condenser, but space demands that it be taken up in next week's article.

Uses of Vacuum Tube

I desire, however, to impress upon the reader's mind that, while many consider the vacuum tube as a one purpose device, its total limitations are far from realization. Its principle uses at the present time may be enumerated as follows:

1. As a detector, to rectify high frequency oscillations.
2. As an audio frequency amplifier, to magnify the feeble voice currents after they have passed the detector output transformer.
3. As a radio frequency amplifier, to build up the weak antenna signals in order that they may be rectified.
4. As an oscillator, to generate high frequency currents for both receiving and transmitting.
5. As a modulator, to mould or modulate the voice currents impressed upon the high frequency currents.

And last, but surely not least, it plays a most important part in modern surgery, diagnostic surveys of heart murmurs and lung disorders. Transcontinental, or extreme long distance telephony would be impossible were tubes not used as boosters at intervals along the line to maintain voice volume.

When a device secures such universal application, one wonders how it can be considered by the populace as "but a bulb." Surely the world moves rapidly.

(Next week Mr. Gurney will explain the fundamentals of the grid leak and condenser, which should prove very interesting for those who do not know why or how their receiver functions.—Editor's Note.)

Radio Restores Hearing of Young Lady Who Knew World as Place of Silence

For Twenty-Two Years, Miss Elsie Hayes, Winnipeg Girl, Could Not Distinguish Sound Until Ear Phones Brought Music and Awakened the Aural Sense

WINNIPEG, Man.—For twenty-two years, Miss Elsie Hayes, 25-year-old book bindery worker of Winnipeg, knew the world as a place of silence. Today, due to Radio, she has begun to hear some of the things that are going on about her, and has hopes that gradually the nerves of her ears, long is disuse, will begin to function again.

Radio, the miracle science, is credited with responsibility for at least the beginning of Miss Hayes' return to hearing, for it was when induced to listen to music broadcast from Station CNRW, the Canadian National Railway's station at the Fort Garry hotel, Winnipeg, that Miss Hayes first was able to distinguish the sound of orchestral selections and later solo numbers which were on the program.

Sickness Caused Deafness

When 3 years old, Miss Hayes was stricken with bronchitis and pneumonia, followed by pleurisy. These attacks left in their wake paralysis of the nerves of the ear, and the little girl who had previously been "brimful of music," according to her mother, was found to be deaf. Gradually she lost also the power of speech, except for an occasional sound.

Distinguishes Program

Having read of many experiments wherein it was claimed Radio had assisted deaf persons in recovering their hearing, H. J. Metcalfe, a friend of the Hayes family, arranged for Miss Hayes and her mother to visit his home when Station CNRW was broadcasting a special program. As the broadcast proceeded, the deaf girl began to beat time and move with the rhythm of the numbers. It was obvious that Radio had penetrated the veil of silence which had hung over her life for two decades. Then, as the program closed, Mrs. Hayes spoke to her daughter. The girl turned at the sound of a human voice and nodded her recognition, then she uttered a sound which was very close to the word "mother."

On the following morning, as she left her home to go to work in the book bindery of a Winnipeg publishing establishment, Elsie Hayes heard the rumble of a passing street car for the first time.

Hope to Train Nerves

Her next sound of music came when friends played a phonograph with a loud needle and the girl was able to distinguish the sound of the records. After carrying on her conversations for twenty-two years by means of words written on a pad of paper, her friends have hopes that in time her aural nerves may be trained to function again; at least well enough that she may hear some of the things going on about her.

Scientists and local ear specialists say there is no reason why this should not have occurred, but to them it is no miracle; it is a combination of concentration and psychology. With the Radio headsets over her ears, Miss Hayes was concentrating on her hearing in a way that she had not done for years, and since the aural nerves had not gone, but hearing was really possible, she received the necessary vibrations to allow her to distinguish sounds again.

Second Case on Same Set

WINNIPEG, Man.—J. A. Bennett, a compositor, deaf since childhood, heard Radio for the first time recently when he listened in to CKY at the home of H. J. Metcalfe. This is the second experiment which has been tried by a deaf person on Mr. Metcalfe's Radio. Miss Elsie Hayes has had a similar experience, though she had been deaf since 3 years of age. Mr. Metcalfe is a photographer by profession and an amateur Radio fan. His set is a three-tube, one he assembled himself.

Learn to Play a Harmonica via Radio

To stimulate interest in good music by teaching people to *play* instead of merely *listen*, a series of harmonica programs and lessons, known as the "Hohner Harmony Hour," are being broadcast through Stations WEAF, New York; WJAR, Providence; WEEI, Boston; WOO, Philadelphia; WCAP, Washington; WGR, Buffalo; and WWJ, Detroit.

In addition to the musical numbers, ranging from the "bluest" of jazz selections to classical and operatic compositions, a series of harmonica lessons are broadcast by a well-known instructor.

If you want to enjoy one of the most popular features "on the air" and learn to play a harmonica for pleasure or profit, procure a copy of the Free Instruction Book and "tune in" for the "Hohner Harmony Hour." If your dealer cannot supply you Address M. Hohner, Inc., Dept. 233, 114 East 16th St., New York.

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BY SPECIAL arrangement, Radio Digest is able to offer its readers a great opportunity to secure fine photogravures of their favorite Radio stars at practically no cost.

Radio fans will be able now, by this very special offer, to have pictures of their favorite artists and announcers before them when they listen in.

All that is necessary to secure photogravures from the Gallery of Radio Stars is to send the coupon published each week in Radio Digest, accompanied by ten cents to cover the cost of mailing and postage. Where a series of three photogravures is desired, it will only be necessary to send twenty-five cents and three consecutively numbered coupons clipped from Radio Digest. Remittance must accompany the coupon. Cash at your risk. Add 5 cents to personal checks for exchange.

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Size Eleven by Fourteen Inches

Select Your Favorites from the Gallery of Radio Stars

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2 Graham McNamee, 1925 Gold Cup announcer
3 Jack Little, popular wandering balladist
4 Paul Small, who won fame through Radio
5 Coon-Sanders' "Nighthawks" at KYW
6 George Hay, 1924 Gold Cup announcer
7 Harmony Girls, Edith Carpenter, Grace Ingram
8 Ford and Glenn, Lullaby Boys of WLS
9 "Roxy" Rothafel of WEAF chain fame
10 The Hired Hand, famous "Substitute Announcer" of WBAP
11 Britt and Finch, popular songsters
12 Bob Emery, Big Brother of WEEI
13 "Bill" W. G. Hay, ex-KFKX, now of WLIB
14 Happiness Boys, jovial singers of WEAF
15 Lambdin Kay, "Little Colonel" of WSB
16 Leo Fitzpatrick, "Merry Old Chief," WJR
17 Henry Field, 1925 Gold Cup runner-up
18 Al Carney, organ favorite at WHT
19 Aunt Jane, ladies' adviser at WOC
20 Vincent Lopez, No. 1 Pennsylvania orchestra
21 E. L. Tyson, pleasing voice at WWJ
22 S. W. Barnett, ex-WOC, now WBAL
23 Art Gillham, "The Whispering Pianist"
24 Paul Greene, announcer at WSAI, "bridge voice"
25 Harry Ehrhart, "Dream Daddy" of WLIT
26 Correll and Gosden of "Kinky Kids Parade" fame, at WEBH and other stations.
27 Norman Brokenshire, popular at WRC, WJZ
28 Indiana Male Quartet, popular at WEBH
29 Jane Novak, Blues Singer of Twin Cities, WCCO
30 Jean Sargent, the original, now at WHT
31 Ralph Emerson, popular organist at WLS
32 Edna Adams, "Sweetheart of the Air" at KPRC
33 Pat Barnes, vaudeville announcer at WHT
34 R. V. Haller of KGW Hoot Owls fame
35 Henry L. Dixon, ukulele wizard of KYW
36 Quin Ryan, WGN's Uncle Walt and sports announcer
37 "Willie the Weeper," Ernest Rogers, WSB
38 Walter Wilson, "Uncle Bob" of KYW
39 Jack Chapman of Drake hotel repute
40 Ray-O-Vac Twins, known country-wide
41 Art Linick, KYW's Mrs. Schlagenhauer
42 Fred Hamm of WTAS, now WLIB, fame
43 Meyer Davis' Le Paradis orchestra of WRC
44 "Senator Schultz, WLW's illiterate comic
45 "Uncle John" Daggett of KHJ
46 D. R. P. Coats, 1925 Silver Cup announcer
47 Gene Rouse, WOAW's popular announcer
48 Freda Sanker, WKRC jazz orchestra director
49 Irish Ruth Pavey, KOA's invisible stage beauty
50 Queen Titania, star of KHJ Fairyland

If your favorites are not in this list, send in a request to have them included in the Gallery of Radio Stars.

COUPON Numbers 6 and 7

This coupon entitles the holder to one photogravure selected from the Radio Digest Gallery of Radio Stars when accompanied by ten cents to pay the cost of mailing and postage, or two photogravures when accompanied by 20 cents.

This coupon together with either coupon number 5 or 8 will entitle the holder to three photogravures when accompanied by 25 cents. Remittance must accompany the coupon. Cash at your risk. Add 5 cents to personal checks for exchange.

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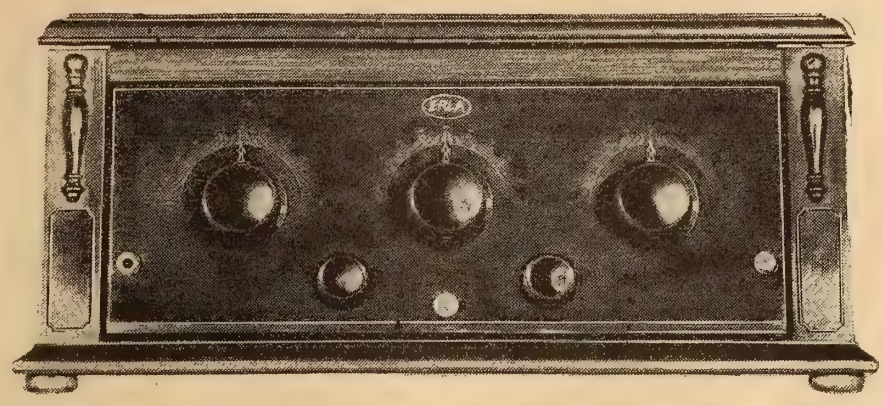
OPERATING AND TROUBLE SHOOTING

OPERATING and Trouble Shooting, is a Radio Digest feature, the purpose of which is to give practical information on the operation, care and cure of simple troubles in every kind of receiver. Standard Radio receivers of wide distribution and use are studied from the standpoint of instructions for installing and connecting, tuning and operating, and remedying little difficulties. The suggestions below, if executed faithfully, will make winter broadcast listening yield all there is to yield to the reader and give your set a fair chance to show its worth.

For the Owner of an Erla Circloid 5 Receiver

RADIO receivers of the present season portray in a marked degree manufacturers' realization that artistry in cabinet design is of equal importance with that of Radio reception efficiency as a graceful and appropriate fitting for the home beautiful. A most worthy example of such forethought is the cabinet housing the Erla Circloid 5 receiver.

There could not be any division of opinion regarding this point as the outstanding feature of this receiver, with its two-tone mahogany finish, ornamental carved panels and top, were it not that a glimpse of its interior reveals a striking example of the application of the now popular balloon type Circloid coils as the media for radio frequency amplification. This type of inductance has found



favor with several manufacturers, not only because of its efficiency in radio frequency amplifiers, but primarily because such amplifiers require no balancing for the elimination of coil interaction, and are practically immune toward the influence of nearby broadcast stations.

The Panel

One's attention is at once attracted to the symmetry and balance of the sloping front panel of etched bronze, upon an antique background, upon which is mounted the operating dials, together with the loud speaker and filament controls.

Many detail conveniences are provided within the cabinet to insure not only the avoidance of error in connecting the receiver, but to also insure its most efficient operation upon a variety of lengths of antenna. A commendable part of the interior assembly is the provision of a cable of wires connected to the proper binding posts, together with a blue print drawing which indicates the exact connections to the operating batteries.

Laboratory Test

Our laboratory test upon this receiver included a careful inspection of the total assembly, the quality of the materials used, and whether the workmanship indicated that repeated inspection tests had been made. In addition to the above, the usual tests for selectivity and quality of reproduction over the broadcast wave band were made. In each instance the high average which we expected, because of the well-known reputation of the manufacturer, was well maintained, as evidence of the apparent "team-work" idea in design, through building each part to work in harmony with the whole.

Antenna and Ground

As this receiver is provided with antenna posts for both short and long aerials, our experience indicated that a single copper wire not exceeding 80 feet in length should be used, and connected through its lead-in wire to either the post marked L— Ant or S— Ant, according to the degree of selectivity one desired. This antenna should be well insulated from the ground and surrounding objects, and placed as high above the earth as possible within the limits of 45 feet. The ground connecting wire should run as direct as is convenient and be fastened by a ground clamp to a cold water pipe, which has been thoroughly scraped. If this is not possible, a like connection to a six-foot length of galvanized pipe which has been driven in moist earth should be made. Both the antenna and ground wire used should be No. 14 copper wire, while the lead-in to the receiver from the antenna may be made with the same gauge wire but well insulated.

Tuning

Three dials are provided for tuning, the smaller knobs, just below, acting as radio frequency control and rheostat control for the detector filament. After connecting the batteries and placing the tubes in their respective sockets (five 201-A or 301-A being recommended), the battery switch at the bottom of the panel should be pushed in to light the filaments of the tubes. Set the lower right hand knob with the arrow in a vertical position if the A battery is new or a little beyond this point if not fully charged. Turn the three large operating dials to their zero position. Turn the detector rheostat, which is the small knob on the right, until a slight hissing noise is heard, then retard it just below this point, or until the hiss disappears. The receiver will then be ready for operation.

To tune in a station, first turn the lower left knob to the right until a rushing sound is heard, being careful not to turn this knob too far or this sound will stop and it will have to be retarded. Next, rotate each of the larger dials forward from their zero reading slowly and with each in step, or at approximately equal setting. When a station is heard, each dial should then be individually adjusted for volume. Very often one will find that after a station is tuned in, a slight readustment of the lower left knob will be of benefit. It doubtless is not necessary to caution the operator to shut off the receiver, by pulling the filament switch out when through operating. Failure to do this means but an added expenditure of battery current and shortening of the tube life.

Trouble Shooting

While this receiver is so designed as to be practically foolproof, there may, at times, occur minor troubles which are annoying, but which are not defects within the receiver. Assuming that your antenna is well insulated and strung tight enough that it does not swing, also that your ground connection is well made, and your batteries in good condition (the A battery should register between 1250 and 1300 with a hydrometer and each block of B battery should register not less than 38 with a reliable voltmeter), the incidental troubles and their remedy may be classified as follows:

(Continued on page 26)

Big Price Reduction

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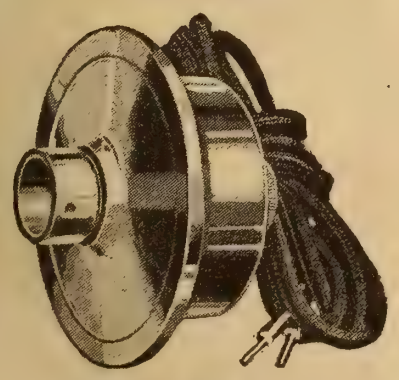

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This unit is the secret behind the unparalleled success of Fultone Speaker. Its large diaphragm and bobbins of fine wire are protected from injury by a heavy nickel-plated case through the back of which adjustment is made by means of a special key. The pole pieces are not made from a solid piece of iron but are assembled from 15 laminations of carefully chosen steel.

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Enclosed is $..... for which ship me..... ( ) Fultone Unit at once, my money to be refunded if I am not satisfied and return this merchandise within 5 days.

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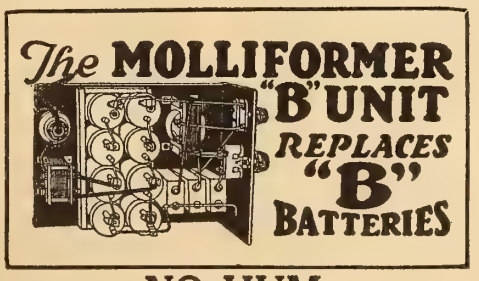

NO TUBES

NO HUM

BUILD YOUR OWN

Here is the B-ELIMINATOR your set needs and you can save money by building it yourself. The Molliformer B Unit is guaranteed to operate any set from one to ten tubes with a vast improvement in the quality and tone, and a big increase in volume.
It is absolutely noiseless—all A. C. hum being banished forever due to exceedingly high inductance. No expensive rectifying tubes are used —employs only improved electrolytic full wave rectifiers.

The MOLLIFORMER B UNIT will furnish you with ideal B-current for years to come.

Model FW4 is designed especially for 5 or 6 tube receivers, requiring no more than 100 volts on the amplifiers. This and model FW8 can be readily assembled by the home builder with every assurance of perfect results.

FREE—Write for Mr. Jacobs' complete description of the Molliformer B Unit

PRICES

The kits listed below include all the essential parts necessary to assemble the unit complete.

Model F W 4—complete kit, 60 cycle A C $17.00
Model F W 8—complete kit, 60 cycle A C 22.50
Model F W 4—Assembled complete 24.50

25 and 40 cycle transformers $2 additional
Kits include rectifiers. **Parts sold separately.**

DEALERS *write for* DISCOUNTS.

C. E. JACOBS, SOLE MFR. 2802 N. Kedzie Ave. CHICAGO

OPERATING THE ERLA

(Continued from page 25)

Have you closed the battery switch? Are the connections to your A and B batteries secure? Are these connections made correctly—that is, not reversed? Do all of the tubes light? If not, remove the offending one and bend up the socket springs slightly. If the receiver gives a sharp click in the head phones or loud speaker when the attachment plug is inserted in the jack, this indicates the B battery connections are correct. If not, their connections may be reversed, or one of the wires broken.

Noisy Reception

A continuous low-toned hum is usually due to your antenna running parallel rather than at right angles to a power line or electric light wires. Leaky transformers also will create this effect. After changing direction of antenna, if this hum still obtains, report your trouble to the lighting company.

If this hum is high pitched, the grid connection has become loose or the grid leak is not in its position. Also look for loose connections. In place of a high pitched note, this trouble is sometimes noted as a knocking or tapping sound.

A scraping sound when the large dials are turned as a rule indicates dust between the condenser plates, which may be removed with a pipe cleaner.

Howling and shrieking is usually caused because the rheostats are turned too high, while scratchy, rasping noises indicate a run down B battery, accumulation of dirt or moisture upon the surface of the batteries, or loose connections.

The Reader's View

Truly It's a Nuisance

Can't you impress every week that this cheap broadcasting is not listened to? Also this cheap singing; this cheap hollering to one another; this cheap banjo playing. Just as soon as we get a few notes of it, we all tune out and get some real music elsewhere. Further, after a few times we all avoid that station. Some of it is dreadful. Truly it's a nuisance.—A. S. B. Huntington, W. Va.

Speaking of Single Circuits, Wow!

I am a regular reader of the Digest and would like to express myself as to present day reception of the fine programs broadcast by most of our generous broadcast stations. I have been a B. C. L. for eight years and few are the stations to whom I have not sent a few lines of appreciation.

However, I have often wondered if all this effort and expense was not mostly a waste of time and money on the part of both the broadcaster and the B. C. L., for this reason: We all know what a tremendous effort is made to transmit and also to receive distortionless music and speech. Why should all this be offset by the contemptible dim-wits who still persist in using, and continually twisting the dials of, the disgusting squealer set, or single-circuit, for the reason that he has not the brains to construct a present day receiver of the non-radiating type nor the ability (or is to lazy) to accumulate enough money to buy one? Why does not our government, that displays so much interest in Radio in some respects, also show a little reason on this point and banish, into the discard, this type of would-be receiver along with other undesirables? I have heard the old gag about the heroic (?) place this hook-up deserves because of its usefulness in the early days. How about the old-time outhouse?

I must add that I consider a person a degenerate that would perfer to listen to nothing but squeals and howls (only reproduced this side of H—— by the d—— single-circuit) than to the beautiful musical and vocal selections that are the result of such painstaking effort on the part of station operators and lost to the majority of B. C. L.s because of a moron or two in every locality.—R. McB. M., Mansfield, Ohio.

Form For Announcers

I want to add my voice to the protest against unsatisfactory announcing. May I suggest the following as a model form for announcers to use?

"Radiophone XYZ, Chicago. You Have Heard So & So Play 'Normandy.' (*) The Next Number Will Be 'Roses of Picardy' By Whosis. XYZ, Chicago."

Now I will explain why I think the above is the ideal. I have often noticed that in cutting from the performers "mike" to that of the announcers the first letter and sometimes the first two letters of the call are lost. Hence the suggestion that the announcement be started with "radiophone" or some other suitable word. The asterisk (*) indicates the place in the announcement where it would be convenient to acknowledge requests and communications, if customary at the station. I have placed the station call letters both at the beginning and at the close because, very often a station is tuned in during the announcement, and if the following number is not cared for, the station is tuned out without its identity being disclosed.—R. W. L., Atchison, Kan.

Pleases Only One

In your issue of December 26, you published a letter from one, "W. A.," Covington, La., in which letter W. A. deplores the fact that WSMB at New Orleans, was handed the razz by one of your critics. More power and long life to this critic.

The announcer at any Radio station who reads into the microphone telegrams received from various listeners in, deserves to be hung, shot, electrocuted, razzed, or what have you.

It is my opinion that the only person who gets any kick out of hearing a telegram read from a broadcasting station is the person who sends that telegram. When one stops to consider the fact that out of the large audience of most any broadcasting station, only one or two persons are entertained when the announcer broadcasts a telegram received by the station, it is quite evident that the broadcasting station is serving only a fraction of a per cent of its listeners.—J. B. S. Florence, Ala.

Interference Troubles and Mr. V-63

On recently returning home from a trip, I found several copies of Radio Digest, including one of November 21, 1925, on page 24, of which appears a letter from one V-63 (evidently a "Cadillac owner") of Pittsburgh, Pa., which interested me.

It appears that Mr. V. has a very poor receiving set or he would experience absolutely no trouble from the high power short wave telegraph stations along the coast. I am only 100 miles farther, by airline distance, from WIR and WIZ than he is, yet on any receiver in this vicinity which makes any pretense towards selectivity, no trouble is had at all from this source. On the other hand, many local users of the famous "Eastingbarn Audiola 553" get not only these two stations, but KDKA's 62.5-meter transmitter, all over their dials at times. The only remedy for this is to substitute properly designed radio frequency input apparatus for the criminally inefficient and broad tuning equipment usually supplied on low priced receivers. Methods of adding tuned or untuned primary coils to this type of single circuit receiver have been described from time to time in Radio Digest.

Mr. V-63 also mentions the interfering (?) stations "mixing up" with harmonics of broadcasting stations. Well, broadcasting stations have no business smearing harmonics all over the short wave bands. To show you how bad these are, the first time I ever heard WHGP of Detroit, was one day when I picked up his 4th harmonic, coming in very strong. KDKA and some other stations use some mysterious harmonic suppressor circuits which seem quite effective. A broadcasting station is licensed to transmit on, say, 300 meters, but this license does not authorize the radiation of signals at the same time on 150, 75, 37.5 and 18.75 meters. Yet many stations are doing just this thing right now. Such harmonics not only "bring in" interference, but they are also liable to cause much trouble in commercial Radiotelegraph and relay broadcasting. About a week ago I was listening to KDKA's 62.5-meter wave and some other station on the broadcast band was radiating on a harmonic just a few kilocycles off KDKA's frequency, causing a bad heterodyne squeal, made worse by the fact that the interfering station's wave was "wabbling" badly. One can easily understand the effect that this would have on any attempt at retransmission from KDKA's short wave signal.

No. Mr. V-63, the remedy lies not in suppressing everything but broadcasting, it lies in cutting out some of these broadcasting stations which radiate on all harmonics, and also the elimination of the single circuit tuner and the crude and sloppy variety of super-heterodyne.—H. G., Kitchener, Ont., Can.

Popular Music for Majority

A reader of your publication almost since the birth of Radio broadcasting, I am influenced to write a word of indorsement to what a communication signed L. F. W. had to say in regard to popular music from the broadcasting stations. Classical music, for those who can appreciate it and who know enough of music to understand it, is no doubt a great thing.

But Radio, like a newspaper, must serve the majority—the masses of its listeners. And the great majority of those possessing Radio sets do not have the gift of talent with which to truly appreciate classical music.

A popular tune is enjoyed by nearly everyone. By this I do not mean, necessarily, "popular" in the sense of jazzy orchestral music, but the popular lyrics of both our own day and that just passed.—J. H., Waco, Texas.

We Are Trying to Help

At the Radio convention, called by Mr. Hoover, it was affirmed by the Radio interests present, that in future all rules concerning broadcasting were to be made for the benefit of the listener.

This being true, is there any chance that the air is to be cleared up by taking some of the stations off the congested wave lengths?

Has it been suggested that if each broadcasting station were restricted as to the time it might be on the air, and each assigned such periods of time as would not conflict with others on the same wave length, the listener might profit?

Why, we wonder, don't station owners and advertisers realize that when the air is a mess of conflicting programs no program comes through clearly and all are lost? And that when one powerful station on any wave length broadcasts almost continually, others on that wave length are practically never heard by listeners in the range of the powerful station mentioned?

My set brings in stations of 500-watt power as far as 2,500 miles away; yet, because nearer ones are never at rest, I get only a very limited number of stations with my good set, and many who would profit by presenting their advertising programs to me are never heard, while I regret not hearing them.

Poor announcing is an aggravation; power noises are worse; howling sets in the hands of careless owners are anathema, but of all the patience destroying woes of the Radio receiving mortal, the overcrowded spots in the air are the limit. The worst of it is that apparently the trouble could be remedied for the benefit of all concerned, and without great effort. Can the Radio Digest go into the matter and explain why it is not done?—E. A. C., Spokane, Wash.

Corrosion in aerial and lead-in contacts is a common cause of poor reception.

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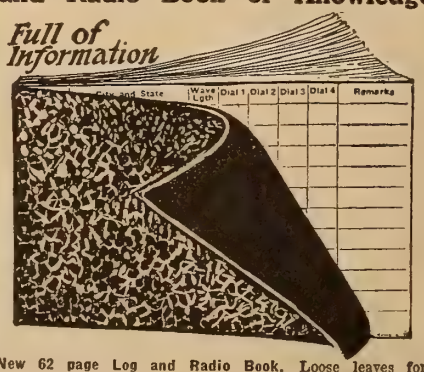

New 62 page Log and Radio Book. Loose leaves for inserting revised pages. We publish corrected sheets as changes in calls, wave lengths, owners and addresses, etc., occur and as new data comes out. 468 stations. 4 dial settings, remarks, etc. **Tuning suggestions.** Stations lists numerical by wave lengths (meters, also kilocycles)—alphabetical by states—by cities, etc. **Trouble aids.** Dictionary Radio Terms. Repair Hints. Trouble Preventers. Questions and Answers. Other valuable information **necessary to enjoy YOUR radio. 10 Radio volumes bound as 1.** Beautiful flexible cover (gold letters). So convenient. Get clearer programs. Increase your selectivity. Eliminate your troubles. Enjoy your radio more. For limited time, we will send latest $2 edition elaborate 62 page Log and Radio Information Book absolutely FREE to those ordering revision service till Jan. 1, 1927 only, $1.

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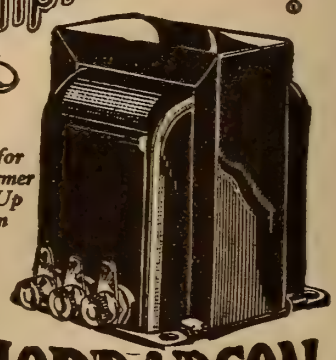

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Part II—Molliformer Chemical Type

By George Walters

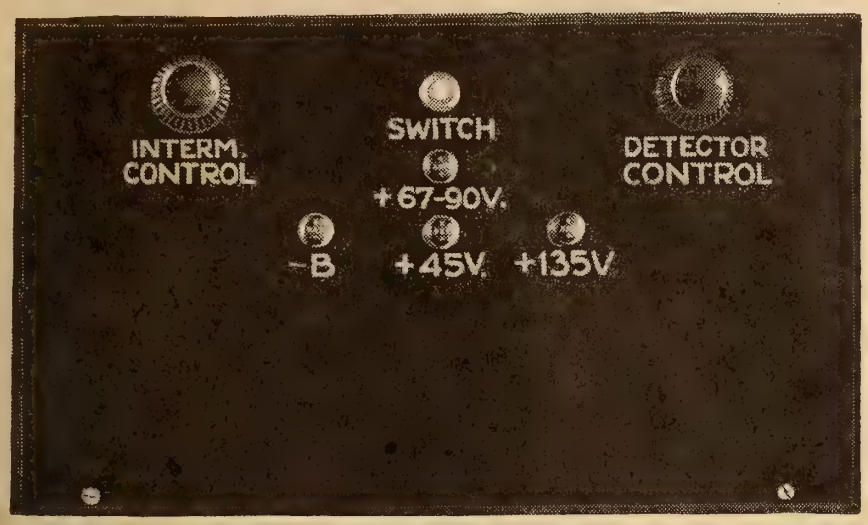

Figure 1. Front view of completed Molliformer B eliminator. The binding posts for the various voltages are indicated.

IN THE first article of this series, presented last week, the writer stated there were four types of rectifiers, and the construction of that using a no-filament tube was described. We will now consider that type which uses a chemical solution in jars to change alternating light current into direct current. This unit will supply current to the largest super-heterodyne as a four-jar model was used by the writer all last season on one of Jacques Fournier's four-filter supers, and the present model has eight jars. This second power supply is so arranged that three different B voltages are available, with the lower two variable. Thus if your super or tuned radio frequency must have 40 to 50 on the detector, 60 to 90 on the radio frequency amplifiers and 100 to 140 on the audio frequency stages you have these voltages.

Chemical Rectification

It has been found that if a jar is filled with a solution of water and any of several substances, one of which is borax, and in this jar we place a piece of aluminum and a piece of lead, current can pass through this solution in only one direction. If, therefore, alternating current is connected to such a jar and a device which requires direct current, every other alternation or one-half of each cycle will pass through, but the other half of each cycle will be cut off. This is called "half wave rectification" and there are several B power supplies available using this principle Some have a jar as described, some use a tube, but only half the cycle is made use of.

So that a large set of six to nine tubes can be supplied, it is, in the writer's opinion, essential that a B power supply be so constructed that both halves of the cycle are used and all the pieces of apparatus made large enough to pass 50 to 60 milliamperes of current. Accordingly, eight jars are used, with four on each side of the output leads of the transformer, and both halves of the cycle are put to work without overheating and with the ability to pass plenty of current. Each jar contains a solution made up from powder (supplied by the manufacturer of the Molliformer kit) which is dissolved in water, an aluminum rod and a rod made of either lead or graphite.

Filter

When the current leaves the jars it is direct current but pulsating to an extent that would produce a most undesirable hum in the loud speaker. To remove or smooth out this pulsating, or "ripple," as it is called, several pieces of apparatus are provided to form what is called a filter. A large coil on an iron core is provided with the kit which has a value of 125 henries, and three comparatively large fixed condensers are used with it. One is used before the choke coil, one immediately after it, and a third must be used across the detector supply output. Since the writer has added somewhat to the design intended by the maker of this outfit, we must have, also, a Tobe 2.0 mfd. condenser for use across the intermediate voltage output.

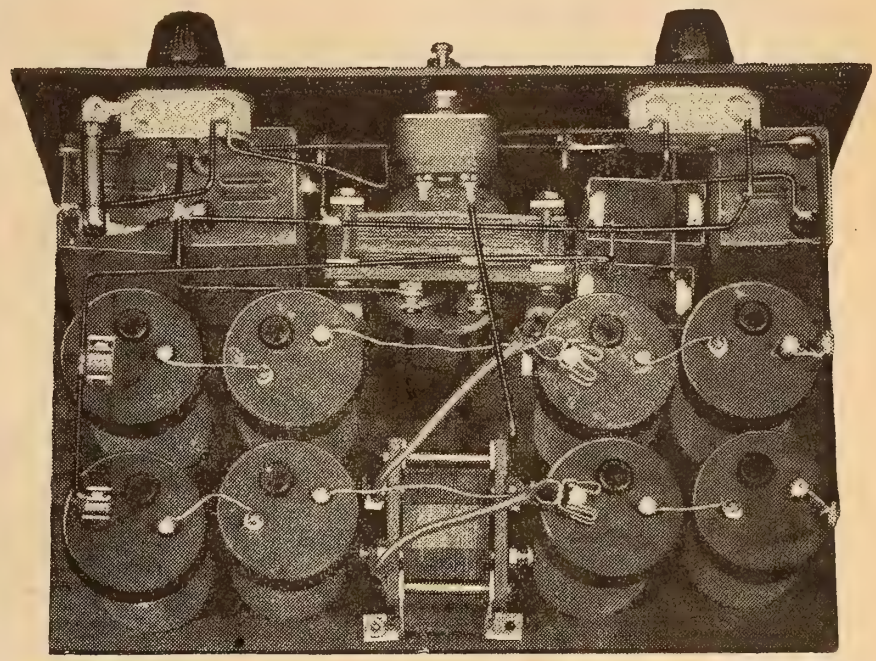

Figure 2. Rear of panel and baseboard view. The wiring and the arrangement of the various parts is clearly shown.

When assembling each jar it will be noted that each aluminum rod is provided with a rubber sleeve. This should be adjusted on the rod so that about 1 inch of the rod is exposed at the lower end and the upper end of the tube comes flush up against the underside of the rubber cap on each jar. The aluminum rod goes in the hole marked plus on each cap and the graphite or lead rod goes in the negative hole. In placing the jars as shown in the photograph, the last jar to the right in both the front and back rows is turned so that the aluminum rod is to the right. All jars are then placed this way so that the last jar to the left in each row has its lead plate to the left.

The transformer is set with primary terminals to the left and secondary to the right. The large choke coil is set

(Continued on page 28)

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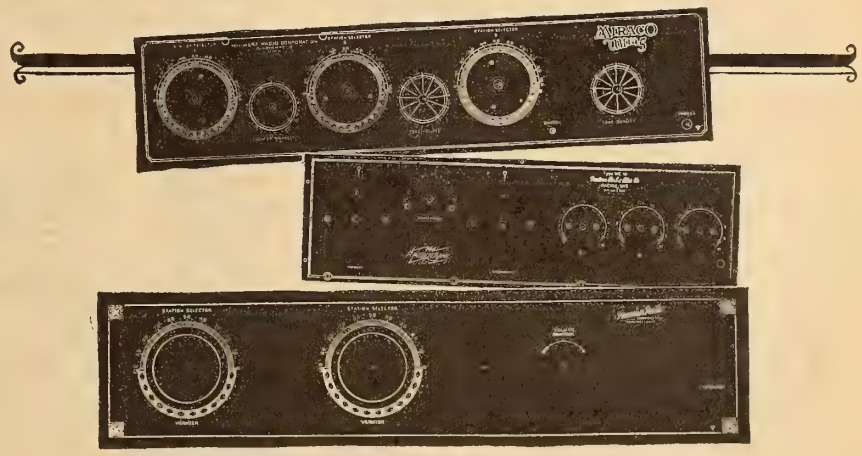

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MOLLIFORMER CHEMICAL TYPE B CURRENT UNIT

List of Parts

1 Molliformer B Unit	C. E. Jacobs, Chicago, Ill.	$17.00
1 Tobe Condenser, 2 mfd.	Tobe Deutschmann Co., Boston, Mass.	1.75
4 Ensign Binding Posts	H. H. Eby Mfg. Co., Philadelphia, Pa.	.60
1 C-H Filament Switch (110 v.)	Cutler-Hammer Mfg. Co., Milwaukee, Wis.	.60
1 Formica Panel 7" x 12"	Formica Insulation Co., Cincinnati, Ohio	1.70
4 Feet Twin Conductor	Any Electrical Dealer	.40
1 Light Socket Plug	Any Electrical Dealer	.25
1 Baseboard 7" x 11½"	Local Lumber Yard	.30
Screws, bus bar, solder, etc.		.60
Total Cost		$23.20

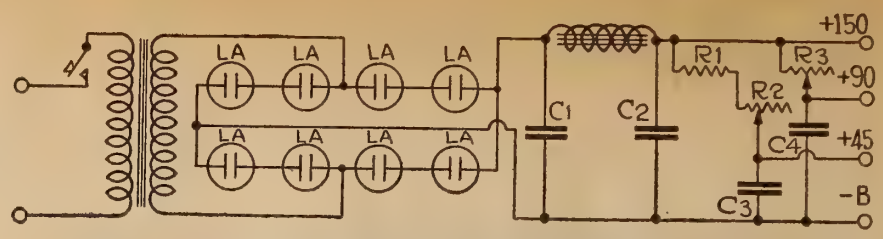

Figure 4. Circuit diagram for B eliminator.

CHEMICAL ELIMINATOR

(Continued from page 27)

with terminals to the rear and the Allen-Bradley resistors are turned so that terminals are upward. The number 10 Bradleyohm goes to the right. While the writer used two Tobe 1.0 mfd. condensers, only one condenser of 2.0 mfd. is preferable and specified; connections would be the same. Wiring is done with stiff bus bar at all points except between jars, which will support the upright fixed condensers and make a better looking job.

Wiring

The long wire which connects the lead rods at the left end of each row comes forward and then across the front terminals of all four of the condensers, can be put in first. Then the wire connecting the two aluminum rods at right end of each row is put in and bent to the left down to the rear terminal of the Tobe 2.0 mfd. condenser which is C1 in the diagram. An offshoot from this goes to the left terminal of the choke coil. A wire now connects the right terminal of choke coil to the rear terminal of the fixed condenser to right of choke which is C2.

This rear terminal of condenser C2 is a starting point for the three different voltages. From it we first run a wire across to left and up to left terminal of the special Bradleyohm in upper left corner of panel. An offshoot from this wire goes forward to the binding post at the right end of the row of three and this is the high voltage tap. From the right terminal of the special Bradleyohm, put

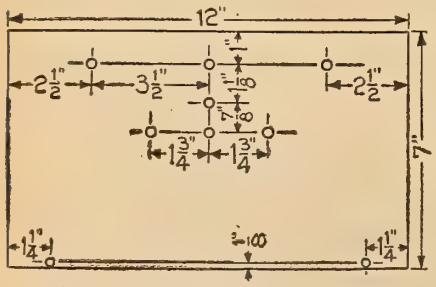

Figure 3. Panel drilling layout.

in one wire to rear terminal of fixed condenser at front left corner of baseboard, and from this same terminal of the Bradleyohm run a wire down to the single binding post just below the switch. This binding post will be the intermediate voltage tap if needed.

The fixed resistor which comes with the kit is supplied with two clips. Put a short 6-32 machine screw through the hole in each clip, slip on a long soldering lug and then a hex nut. Study of the photograph will show that the front clip is upside down with the soldering lug pointing to the left and secured under the right terminal of the number 10 Bradleyohm. The rear clip is right side up with its soldering lug also pointing to left and connected to the rear terminal of condenser C2. This leaves the left terminal of number 10 Bradleyohm open. Connect one wire from it, down to right to rear terminal of condenser in front right corner which is C3, and another wire from it to center binding post in row of three on panel. This gives us our detector voltage, around 45.

Mixing Solution

A wire about 1 inch long can now be inserted from the left binding post of the row of three up to the long wire connecting the front terminals of the four fixed condensers and this is negative B. At this point it would be a good idea to mix the solution and pour it into the jars. This should be done in a large, clean glass or earthenware bowl or dish and the solution should be stirred with a clean glass or rubber rod. Using one of the jars to measure with, put in 6½ full jars of cold distilled water. Then add the quantity of white powder furnished with the kit and stir well until all is dissolved. Each jar is to be filled three inches deep with solution.

Now place jars in position as shown and turn until rods are all in line, with lead to the left in each case. Then in each row connect aluminum of left jar to the lead of second from left jar and aluminum of second from right end jar to lead of right end jar. Now connect rear secondary terminal on transformer up to aluminum of second from left end jar in rear row and at same time bring over wire from lead rod in second from right end jar to this aluminum. Then the front secondary terminal is connected to the aluminum of second from left end jar in front row and wire from lead rod of second from right end jar in this row is brought over to that aluminum.

Connecting and Adjusting

The final connection is from the front primary terminal of transformer to left terminal of switch. If entire unit is to be placed in a cabinet, it should now be placed in cabinet and a hole drilled in rear of cabinet for the twin or twisted conductor from light socket. One of these two wires is connected to right terminal of switch and the other to rear primary terminal of transformer. The light socket plug is connected to the other ends of this twin cord and unit is ready for operation. Check over all connections once more and connect to your receiver. Then pull switch on front of B power panel and turn switch of receiver to on position. You will hear nothing for a few minutes, then a few snatches of music very ragged and "growly." This happens only on first installation as the rectifiers have to work up a gas film. Pretty soon, if you leave set tuned to a good program, the raggedness will disappear and then the hum. Remember, the Bradleyohm to left controls the intermediate voltage and that to the right, the detector voltage and these should now be adjusted for clearest reproduction. Slight change in the adjustment of the rheostats on your receiver may be necessary with this unit, from those settings to which you are accustomed when using B batteries.

At this point the writer wishes to give you an important fact in connection with all these B eliminators. The voltages from them cannot be measured with the ordinary B battery voltmeter. To get the exact voltage one should use a milliameter and known fixed resistances. By multiplying the reading of the milli-

(Continued on page 30)

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Unitrola: Single Dial Phonograph Receiver

Part IV—Adjusting and Tuning

By Carl Patterson

IN PART III, published last week, the Unitrola was taken through the wiring and final assembly and was ready for operation. We are now ready to slide it into the phonograph, connect it up and bring in stations. If you choose to rest this receiver on the bottom of the record compartment, nothing further is necessary, but if you prefer to have the batteries in with it a shelf will have to be figured out. The writer handled this situation by putting in ½-inch by ½-inch strips on each side of the compartment with the upper surface of each 8 inches from the top. A light wooden shelf was then made, just the width and depth of the compartment and the completed receiver was secured to it, so that the lower edge of the front panel was ½ inch in from the front edge. This ½ inch was allowed because the rheostat knobs protrude slighty and the doors on the front were to be closed when the set was not in use. A hole was then drilled through the shelf directly behind each of the battery binding posts so the wires could go down to their respective battery clips.

The Speaker Cord

This arrangement left room below the shelf for a Philco glass case storage battery, a Balkite trickle charger, a Benjamin series two-way plug with lamp, and two large Eveready B units. Since each machine is different in the dimensions of this compartment you will have to do a little figuring on this part yourself. The cord for the speaker unit to be used on the machine is the next point. Here the writer lifted out the top panel in the phonograph, complete with its mechanism, and drilled a hole through, back of the horn, into the record compartment. Then, replacing the mechanism panel, a hole was drilled, above the first, in this panel, for the cord. Thus the cord comes up through the thin board forming the top of the compartment and through the panel above the works to the unit. Neither hole has to be very large, 3/16 inch should be enough.

The speaker cord tips are connected with the tip which has the tracer thread going to the fourth binding post from the left and the unmarked tip to the third. Antenna and ground are brought in through two 3/16-inch holes drilled either in the bottom or the back, about two inches apart. Antenna goes to number 1 binding post and ground to number 2 post. All these accessory connections should be made with the panel slid half way out of the compartment with the front edge resting on a chair or other support. The storage battery, or one of the so-called eliminators on the market, is then connected with its plus terminal going to binding post number 6 and its negative post to number 5. If you are not familiar with these terms it may be explained that the plus post on your battery is usually marked with POS., a + sign, or with a touch of red paint. The negative is, of course, the other terminal, and is marked with a — sign or NEG.

The B battery units, whether dry or wet, each have a plus and negative terminal. The negative of one is now connected to the third binding post from the right end of the strip, the positive of the same unit goes to the second from the right and also by a short length of wire to the negative of the second B unit. The plus of this second unit goes to the last binding post to the right. The last step is the insertion of the tubes. These new UX bases may be a little confusing at first if one has been used to the old UV type. Once you get used to this new arrangement though, you find it much more convenient with no question of springs touching pins or bayonet pin sticking in the socket.

Considering the sockets in the order in which they were numbered for wiring, turn the tube to go in socket 1 so that the two large pins in the base are toward the inside of the set, with the smaller pins to the left. Tip the tube into a vertical position and push down firmly and the tube will click into security. With socket number 2 turn the large pins to the front, with socket number 3 the small pins are to the right or outside of the set. When putting the tubes in sockets 4 and 5, the large pins are, of course, to the rear. Now see that each Amperite is securely in its mounting and the 2-megohm grid leak is in the Daven mounting. In operation 35, the last of article III, the copy read that the lead common to the F terminals of the Bodine coils was to be connected to the plus terminal of the left C battery. This should have read to the negative 4½ of this C battery. This can be readily changed at this stage of the procedure.

Preliminary Adjustments

Now slide the set back into position with rear edge of shelf against rear wall of compartment. The Pilot switch to the right is then turned to the "on" position and red lamp will glow. Then turn Dialite to right so its rays can light up the dial. The rheostats at the bottom should be turned clear to right as far as they will go and then back about ¼ inch as a preliminary adjustment. Then turn left C-R-L unit to right to its limit and right C-R-L so that arrow is just to right of vertical. The small compensating knobs below and beside large dial are set so that each points outward. You are now ready to tune the set for initial tryout.

Turn the large dial, whether vernier or plain, through its complete scale and, if you are fairly near a large station operating at the time, it will be heard, though perhaps faintly at first. If nothing is heard, advance the right C-R-L and try it again. If still no results, advance both rheostats. The next suggestion, in case of no signals, is to set right compensator with arrow vertically and swing through scale. The next move would be to bring it back to horizontal, set left compensator at vertical and swing through range. One of these combinations will bring in signals if all work has been done correctly.

When program is heard, carefully set large dial for best results, then adjust each compensator, which will bring all three grid circuits into resonance. Then move the right rheostat back and forth until strongest and clearest reproduction is obtained but keep it no further to right than is necessary as this would burn up energy and shorten the life of the tube. The left rheostat can then come in for attention, after which adjust the left C-R-L. The left rheostat and left C-R-L may be adjusted together as they are interdependent on each other. For example, if the rheostat were turned back slightly and C-R-L adjusted to maximum, advancing rheostat would spill the tubes into oscillation, or tuning to a lower wave length would do the same. Find a position of the rheostat, probably just about ¼ inch back of the limit, at which oscillation could be effected at any setting of the large dial by means of the C-R-L.

With a program brought in to maximum efficiency by means of rheostat, compensator and left C-R-L adjustments, turn the right C-R-L to the right until program starts to blur or distort. If distortion creeps in before you reach satisfactory volume, try switching the tubes around in their sockets to get the two best suited for radio frequency amplification in sockets 1 and 2, the best detector in 3 and that best suited to handle a lot of energy in socket 4. There is not likely to be trouble with the tube in socket 5.

Trouble Shooting

There are two possibilities in connection with the operation of the compensators. In some cases, a position of each will be found that holds good throughout the tuning range of the large dial, while, in others there will have to be a slightly different position of each for the upper and lower range of the dial. This will depend, in the case of the right compensator, upon the antenna used. If by any chance you cannot bring this first grid circuit into resonance with the other two at some portion of the tuning range, it will be necessary to insert a .00025 mfd. condenser (fixed) in the antenna lead-in wire, or possibly even a .0005 mfd., due to the great length and consequent influence of the antenna system.

The grid leak may possibly be changed for better results although due to detector having an individual rheostat and individual control this is not likely to be the case. If you happen to have several resistors between 1 megohm and 5 megohms you might try them. You will probably find, as has the writer, on tuned radio frequency sets, that lower values permit greater volume with clearness on local stations while higher values give slightly better results on DX work. Values of 2, 3 or 4 are usually good.

If you get into trouble think over the possibilities of where it might be, logically and carefully. Do not be afraid to try one or two things and remember that 80% of all Radio set troubles are in battery connections and oversights on the part of the user. Is the storage battery charged? Make sure. Do the B units test 38 to 45—with a good high resistance voltmeter? Borrow one and try it if you haven't one. Try your tubes in someone else's set to be sure you aren't trying to get 100% results on a poor tube or one that is worn out and cannot possibly deliver. Then check your wiring. Be sure that the connection passing through the hole at right lower end of condenser is not touching. Look out for that extra soldering lug on the rear end of condenser at left side, on the last stator. It fooled this writer and had us tearing the set apart, because it had gotten bent down against the end plate.

Did one of the wires in the coils come unsoldered from a terminal when you were putting on a connection? It might easily happen despite all care in manufacture. It may be, too, that one of the nuts on a transformer is a little loose. If you find this so, carefully loosen the lock (knurled) nut on top, remove solder-

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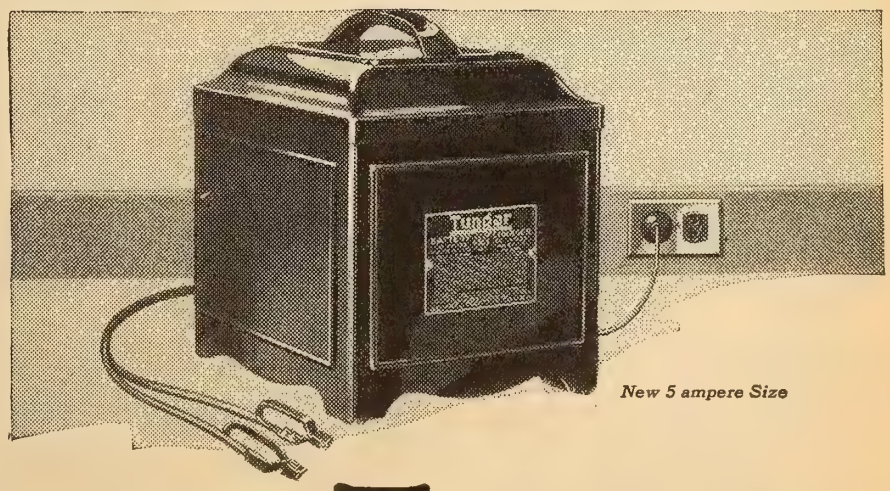

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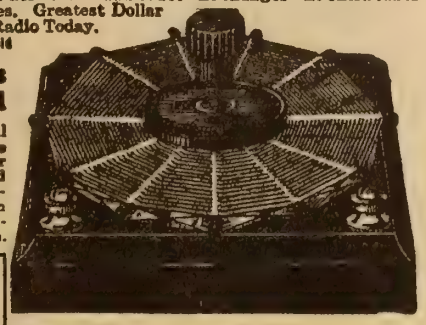

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SHORT WAVES

By Marcella

(Continued from page 11)

mits he is married and has a little boy 5 years old. Charlie is the fellow that barred sopranos from WBBM's microphones. As a result he is still receiving nasty letters from us ladies calling him on the carpet for his act. No, Mr. Garland is not the notorious Charles Garland of crime newspaper story fame. The latter is not even recognized as a relative.

* *

We, meaning Radio Digest, located Jack Little last week. He was down at WSAI, Cincinnati. Incidentally, here is the real, honest-to-goodness low-down on this famous character. His dad tipped me off, so here 'tis:

His real name is Jack Leonard. He is the son of Mr. and Mrs. James Leonard of Waterloo, Iowa. He is really quite small, measuring only five feet three inches in height. He is 25 years old.

* *

Those of you ladies who admire Henry Selinger, of the Drake concert ensemble heard over WGN, will be glad to know that he is handsome and unshackled. He started his career by reading a correspondence violin school ad, and graduated by going to the post office for his diploma. Since then he has become quite popular on the air, and he still uses the violin that came with his lessons.

* *

Wendell Hall's charming wife was in to tea with Marcella not so long ago. "Do you mind the ladies' love letters your husband receives?" I asked. "Not at all," she replied, "I answer all of them myself."

* *

What deep secret would you like to know about your favorite broadcast star? Drop me a note, girls and boys, and I'll do by best to answer here. MARCELLA.

CHEMICAL ELIMINATOR

(Continued from page 28)

ameter with the value of the resistance one will get the exact value of the voltage. The ordinary B battery voltmeter will not show more than about 15 volts.

Final Suggestions

If the unit is used on a super-heterodyne, and two detectors are connected to the 45-volt binding post, it may be necessary to short circuit the fixed resistor in the clips identified as R1. As a rule there will be absolutely no hum with this unit. If there is, the trouble is usually that the B unit is placed too close to the receiver or the light line comes too close to it, and the receiver will pick up the hum from the light wires. Another cause of hum is too high a plate voltage on the radio frequency tubes. This can be cut down by the left Bradleyohm and the use of C battery in the grid return leads of the radio frequency tubes. If unit is put in a cabinet, it would be well to drill holes for ventilation. The writer drilled six 3/8-inch holes in each end near the bottom and seven 3/8-inch holes across the back about 1¼ inch from the top. This permits circulation of air around the jars and transformer which is desirable in summer time.

Should you have trouble getting any of the material locally, the address of C. E. Jacobs, maker of the Molliformer kit, is 2802 North Kedzie avenue, Chicago, while that of Tobe Deutschmann, maker of the extra condenser is Cornhill, Boston, Mass. Molliformer kits for 25, 40 and 50-cycle current are $19.00. The other concerns can be reached from addresses given in list of parts.

(A third type of B power supply which incorporates a heated filament tube, the UX-213, will be described by Mr. Walters in next week's installment. A new Thordarson transformer, type R-197, supplies the filament current and also the high voltage plate current.—Editor's Note).

MAKING THE UNITROLA

(Continued from page 29)

ing lug and, with one pair of pliers hold the screw itself firmly. Then with another pair of pliers tighten the hex nut. If you do not hold the screw tightly, you may turn it and break off the connection inside. Do all these things, check all these things, no matter how sure you are or how silly they may seem, before you write in to the technical staff. They have a lot to do, answering essential questions by the hundred, working out new devices for you and writing them up.

AVOID FALSE ECONOMY

(Continued from page 11)

woman telling you how you should economize. I can only suggest that you take stock of your economies, pigeon hole them where they belong, and if they do turn out to be extravagances, make them over or put them down as commendable luxuries rather than to fool yourself into thinking they are economies.

OPEN "BLOOPER" WAR

(Continued from page 3)

interference, receiving conditions will be remarkably improved for everyone in the country.

Legislation, with penalties attached, is not believed by Radio Digest to be the way to solve the problem. Enforcement of such laws would be costly and almost impossible. It is the aim of Radio Digest to secure the cooperation, without legislation, of every listener.

Fill in and mail the pledge appearing on page three, TODAY.

To help pledging fans to carry out their promise, Radio Digest will begin, with the February 13 issue, a series of non-technical articles aimed to show if possible how one can make his receiver non-radiating.

Hints and suggestions for the improvement of one's receiver, together with general, basic lessons in operating receivers properly, will be contained in this series of articles.

Simple rules in using a set, if followed, will stop a set from radiating. If the majority of listeners sign the pledge to do their best to prevent radiation, the problem will be more than half solved.

Join, and get your neighbor to join, the Radio Digest I WON'T BLOOP CLUB. Mail your pledge today.

ADDRESSES WANTED

THE Technical Editor wishes the present addresses of the following readers: Mr. Charles Ackerman of Philadelphia, Mr. Fred Bradley of Ann Arbor, Mich., Mr. Robert Harrington of Dayton, Ohio, and Mr. Jack Lenox, somewhere on the Orpheum circuit. If you know any of the above please call this to their attention, or write the Technical Editor giving the information.

To Broadcast Frequencies

WASHINGTON. — Announcement is made by the Radio laboratory of the bureau of standards that standard frequency signals will be transmitted by the bureau laboratory (WWV) and 6XBM, Stanford University, Calif., on the fifth and twentieth day of each month for the next three months, between 10 and 11-32 p. m., Eastern and Pacific times respectively. The frequency range to be covered will be between fifty and 2400 meters.

CKAC Starts Own Capitol Hour

MONTREAL.—Canadian Radio fans will have their own Capitol theater hour from now on through the cooperation of CKAC, La Presse station here, and that of Harry Dahn, manager of the million dollar playhouse located in the heart of the Canadian metropolis. This new departure, in Montreal, took place on a recent Sunday when a de luxe program was given by CKAC direct from the stage of the Capitol.

This broadcast from CKAC takes place every Sunday afternoon at 2:45 eastern time.

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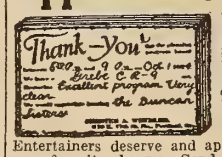

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Photos of Your Favorite Radio Stars. Ten cents and coupon appearing on another page of this issue will entitle you to one of the photos from Radio Digest gallery of stars. Radio Digest, 510 North Dearborn Street, Chicago.

BLUE PRINTS

Super-Het, Ryan's Simplest Possible 7-Tube Set. Complete instructions, actual size template. How to make a loop. All for 50 cents. Book Dept., Radio Digest, 510 North Dearborn Street, Chicago.

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United States

AT9, Fort Bragg, N. C. 434.5m-690kc. 750 watts. U. S. Government. Announcer, Lieut. James Y. LeGette. Slogan, "The Pioneer Broadcasting Station of the Army." Tues, Thurs, Sat, 8-9:55 pm, dance music, talks, bands, fights. Sun, 8-9:55 pm, service. Eastern.

KDKA, E. Pittsburgh, Pa. 309.1m-970kc. 1,000 watts. Westinghouse Elec. & Mfg. Co. Announcer George S. Ryan. Slogan, "The Pioneer Broadcasting Station of the World." Daily ex Sun, 9:45-10 am, 11:55, time, 12, market reports, weather; 2:30-5:30, music; 7, 9:55, time, daily except Sun, Sat; 12:15 pm; 7:45 pm, talks. Daily ex Sat, Sun, 8:30 pm; 8:45, concert; 9:55, time. Sat, 8:45 pm, concert; 9:55, time. Tues, Thurs, 10:30 pm. Sun, 9:45 am, 3 pm, 3:45, 6:45. Eastern.

KDLR, Devils Lake, N. Dak. 230.6m-1300kc. 5 watts. Radio Elec. Co.-Wilson Ins. Agency. Daily ex Sun, 12:10 pm, weather; 6:15, markets. Mon. 9:30-11:30 pm. Sun, 11 am, church. 4:30-6. Central.

KDYL, Salt Lake City, Utah. 245.8m-1220kc. 50 watts. Newhouse Hotel. Announcer, Gene Pack. Slogan, "Out on the Great Divide." Daily ex Sun, 3-4 pm, 6:30-8, news, music, entertainment. Sun, 11-1 am. Mountain.

KDZB, Bakersfield, Calif. 209.7m-1430kc. 100 watts. Frank Siefert. Daily ex Sun, 8-9 pm, zeports, music. Pacific.

KFAB, Lincoln, Nebr. 340.7m-880kc. 1,000 watts. Nebraska Buick Auto Co. Announcer, Gayle Grubb. Daily ex Sun, 9:30-9:55 am, weather reports; 3-4 pm, Mon, Tues, Wed, Fri, 10:30-11 am, home economics; 1:15-1:30 pm, talks; 3:30-4 pm, 5:30-6:30, 8:05-8:30, college of agriculture; 8:30-10:30, Tues, Sat, 3-4 pm Sat, 9:30-9:55 am; 5:30-6:30 pm, 8:30-9:30. Sun, 4-5 pm; 9-11. Central.

KFAD, Phoenix, Ariz. 272.6m-1100kc. 100 watts. Electrical Equip. Co.-McArthur Brothers Mercantile Co. Announcer, Arthur C. Anderson. Slogan, "The Voice of the Atwater Kent Radio." Daily ex Sun, Mon, 6-7 pm, 8-9. Daily ex Sun, Wed, 6-7 pm; 9-11, concerts, news, stocks. Mountain.

KFAF, San Jose, Calif. 217.3m-1380kc. 50 watts. Alfred Fowler.

KFAJ, Boulder, Colo. 260.7m-1150kc. 100 watts. Univ. of Colo. Announcer, F. M. Orsborn. Tues, Sat, 9 pm, time, music, addresses by faculty. Thurs, 7:30 pm; Sat, 2:30-5 pm, sports. Mountain.

KFAU, Boise, Idaho. 280.2m-1070kc. 750 watts. Boise H. S. Announcer, Hoyt Cooper. Slogan, "Idaho Station." Daily ex Sat, Sun, 4-4:45 pm, markets, weather, news. Mon, 7:30-9 pm, concert. Thurs, 8-10 pm, concert. Sat, 7:30-8:30 pm. Sun, 7:30-8:30 pm, church service. Mountain.

KFBB, Havre, Mont. 275.1m-1090kc. 50 watts. F. A. Buttrey Co. Announcer, C. O. Boettger. Daily ex Sun, 12:45 pm, music, markets, weather, reports. Mountain.

KFBC, San Diego, Calif. 244m-1230kc. 100 watts. W. K. Azbill. Sun, 9-10 am, Bible lesson, sermon. Tues, Thurs, 8-9 pm. Pacific.

KFBK, Sacramento, Calif. 247.8m-1210kc. 100 watts. Sacramento Bee. Mon, Thurs, Sat, 7:30-10 pm. Pacific.

KFBL, Everett, Wash. 223.7m-1340kc. 100 watts. Lesse Bros. Daily, 7:30-8:30 pm. Pacific.

KFBS, Trinidad, Colo. 238m-1260kc. 15 watts. School District No. One.

KFBU, Laramie, Wyo. 270.1m-1110kc. 500 watts. Bishop N. S. Thomas.

KFCB, Phoenix, Ariz. 238m-1260kc. 100 watts. Nielsen Radio Supply Co. Announcer, E. A. Nielsen. Slogan, "When It's Wintertime in Michigan, It's Summer Time Down Here." Daily 7-7:30 pm, bedtime stories. Mountain.

KOWW, Walla Walla, Wash. 256.3m-1170kc. 500 watts. Blue Mt. Radio Association. Slogan, "The Valley They Liked So Well They Named It Twice." Mon, Thurs, Fri, 7-7:30 pm, 8-12. Wed, 12-1 pm; 7-7:30, 9-12. Sat, 2-7:30 pm; 8-12. Pacific.

KFDD, Boise, Idaho. 278.6m-1080kc. 50 watts. St. Michael's Episcopal Cathedral. Announcer, E. Mark Hanford. Sun, 11:15-12:30 pm, 7:30-9:15. Mountain.

KFDM, Beaumont, Tex. 315.6m-950kc. 500 watts. Magnolia Petroleum Co. Announcer, Magnolene Mike. Slogan, "Kall for Dependable Magnolene." Tues, Fri, 12:30-12:55 pm, band concert; 7-7:30, children's hour; 8-10:30, concerts. Sun, 11-12 m, 8-9 pm. Central.

KFDX, Shreveport, La. 249.9m-1200kc. 100 watts. First Baptist church. Announcer, Hugh Claycomb. Sun, 10:50 am; 7:45 pm. Wed, 9-10 pm. Central.

KFDZ, Minneapolis, Minn. 230.6m-1300kc. 10 watts. Harry O. Iverson.

KFEC, Portland, Ore. 247.8m-1210kc. 50 watts. Meier & Frank Co., Inc. Daily ex Sun, 12 m, weather, reports; 4-5 pm, music; 6:30 pm, weather, crop, markets, reports. Sat, 11 am-12 m, children's hour. Pacific.

KFEL, Denver, Colo. 254.1m-1180kc. 50 watts. W. L. Winner, Inc. Announcer, Eugene P. O. Fallon. Daily ex Sun, 11 am, 2 pm, 4, 5. Tues, 9-10 pm; Thurs, 8-12 midnight. Mountain.

KFEQ, Oak, Nebr. 267.7m-1120kc. 500 watts. J. L. Scroggin. Announcer, G. G. Scroggin. Daily ex Sun, 2-3 pm, orchestra. Sun, 4:30-6 pm. Central.

KFEY, Kellogg, Idaho. 232.4m-1290kc. 10 watts. Bunker Hill & Sullivan Mining & Con. Co. Announcer, Walter C. Clark. Slogan, "Voice of the Coeur D'Alenes." Mon, Wed, 6-7 pm. Sat, 9-11 pm. Sun, 6-7 pm. Pacific.

KFFP, Moberly, Mo. 241.8m-1240kc. 50 watts. First Baptist Church. Announcer, Granville Ray. Slogan, "The Gospel Messenger of the Air."

KFGQ, Boone, Ia. 225.4m-1330kc. 10 watts. Crary Hardware Co. Announcer, Harold E. Wilcox. Slogan, "Daniel Boone Station." Wed, 8-9 pm. Sun, 3-4 pm. Central.

KFH, Wichita, Kan. 267.7m-1120kc. 500 watts. Hotel Lassen. Daily ex Sun, 9-11 am; 1-2 pm; 9-10. Tues, Thurs, Sat, 12:15-1:15 am. Sun, 9:45 am, church; 9-10, quartet. Central.

KFHA, Gunnison, Colo. 252m-1190kc. 50 watts. Western State College of Colorado. Announcer, E. Russel Wightman. "Where the Sun Shines Every Day." Tues, Fri, 6:30 pm, bedtime story; 8 pm, musicale; 10:30, orchestra. Mountain.

KFHL, Oskaloosa, Iowa. 239.9m-1250kc. 10 watts. Penn College.

KFI, Los Angeles, Calif. 468.5m-640kc. 5,000 watts. Earle C. Anthony, Inc. Announcer, Robert Hurd. Slogan, "The Radio Central Station." Daily ex Sat, Sun, 5:30-11 pm. Sun, 10-11 am, 4-5 pm, 6:30-11, 11-12:30 pm, first and third Sunday of month. Pacific.

KFIF, Portland, Ore. 247.8m-1210kc. 100 watts. Benson Tech. School.

KFIO, Spokane, Wash. 265.3m-1130kc. 100 watts. North Central High School.

KFIQ, Yakima, Wash. 256.3m-1170kc. 100 watts. First Methodist Church. Announcer, Dr. I. M. Miller. Wed, 7:30 pm, organ. Sat, 7 pm. Sun, 11 am, 7:30 pm. Pacific.

KFIU, Juneau, Alaska. 225.4m-1330kc. 10 watts. Alaska Elec. Light & Power Co. Announcer, O. E. Shoembell. Mon, Wed, Fri, 6-7 pm. Alaskan.

KFIZ, Fond du Lac, Wis. 272.6m-1100kc. 100 watts. Daily Commonwealth and Wisconsin Radio Sales, Inc. Announcer, Albert Mayer. Daily ex Sun, 5 pm, music, news, markets, weather. Central.

KFJB, Marshalltown, Iowa. 247.8m-1210kc. 10 watts. Marshall Elec. Co. Announcer, E. N. Peak. Slogan, "Marshalltown, the Heart of Iowa." Daily ex Sun, 10 am, markets. Tues, Fri, 8:30 pm. Central.

KFJC, Junction City, Kan. 218.8m-1370kc. 10 watts. R. B. Fegan.

KFJF, Oklahoma City, Okla. 260.7m-1150kc. 500 watts. National Radio Mfg. Co. Announcer, Hired Hand. Slogan, "Radio Headquarters." Daily ex Sun, 9:40 am, 12:15 pm, markets; 2:15, markets; 6:30, weather news, 6:30-7:30. Mon, Thurs, Fri, Sat, 8:15-10:45 pm. Wed, 11-12 midnight. Sun, 2:30-4 pm; 10-11:45. Central.

KFJI, Astoria, Ore. 245.8m-1220kc. 10 watts. E. E. Marsh and Liberty theater. Announcer, E. E. Marsh

Wed, 9-10 pm, organ. Sun, 12:30-1:30 pm. Sun, 10:30-11 pm. Pacific.

KFJM, Grand Forks, N. D. 277.6m-1080kc. 100 watts. University of North Dakota. Slogan, "Grand Forks, the Educational Center of the State." Daily ex Sun, Thurs, 6-7 pm. Central.

KFJR, Portland, Ore. 263m-1140kc. 50 watts. Ashley C. Dixon & Son. Mon, Tues, Wed, Thurs, 7:30-8 pm. Mon, 8-8:45 pm. Tues, Thurs, 9-10:30 pm. Wed, 8-8:30 pm. Sat, 1:30-3 pm. Pacific.

KFJY, Fort Dodge, Iowa. 245.8m-1220kc. 50 watts. Tunwall Radio Co. Announcer, Carl Tunwall. Daily, 5:30 pm, markets, news, weather, bulletins. Sun, 11 am, church; 8:15 pm, orchestra. Central.

KFJZ, Fort Worth, Texas. 254.1m-1180kc. 50 watts. Southwestern Baptist Theological Seminary.

KFKA, Greeley, Colo. 272.6m-1100kc. 50 watts. Colorado State Teachers' College. Announcer, Charles F. Valentine.

KFKU, Lawrence, Kan. 275.1m-1040kc. 500 watts. University of Kansas. Announcer, John F. Patt. Slogan, "Up at Lawrence on the Kaw." Mon, Thurs, 6:55-8 pm. Central.

KFKX, Hastings, Nebr. 288.3m-1040kc. 5,000 watts. Westinghouse Elec. & Mfg. Co. Slogans, "The Empress of the Air," "The Pioneer Re-Broadcasting Station of the World." Daily ex Sun, 5:15-6:15 pm, KDKA programs. Daily ex Sat, Sun, 9:30 am, 10:30, 12:30 pm, markets. Mon, Wed, Fri, 9-11 pm, music. Sat, 9:30 am, 10:30, 12:30 am. Central.

KFKZ, Kirksville, Mo. 225.4m-1330kc. 10 watts. F. M. Henry. Mon, 8-9 pm, dance music. 1st and 3rd Mon, Radio plays. Sun, 3:30-4:30 pm, classical music. Central.

KFLR, Albuquerque, N. M. 254.1m-1180kc. 100 watts. U. & N. M. Announcer, Phillip S. Donnell. Slogan, "The Sunshine Center of America."

KFLU, San Benito, Texas. 236.1m-1270kc. 10 watts. Benito Radio Club. Announcer, R. W. Thacker. Slogan, "Heart of the Magic Valley." Mon, Thurs, Sat, 8:30-10 pm, concert. Sat, 8:30 pm, Sunday school lesson. Central.

KFPM, Greenville, Texas 241.8m-1240kc. 10 watts. The New Furniture Co. Announcer, Dave Ablowich, Jr. Slogan, "The New Furniture Co., the Home of Good Furniture," Located at Greenville, Texas, Where You Find "The Blackest Land, the Whitest People." Daily ex Sun, 1 pm, music. Tues, Wed, Fri, 8 pm. Sun, 11 am, services; 7:30 pm, irregularly. Central.

KFPR, Los Angeles, Calif. 230.6m-1300kc. 500 watts. Los Angeles Co. Forestry Dept. Irregular schedule.

KFPW, Carterville, Mo. 258.5m-1160kc. 20 watts. St. John M. S. church, S. Slogan, "Keeping Pace with Christ Means Progress." Tues, Fri, 8-10 pm, popular program. Sun, 1-3 pm, chapel service. Central.

KFPY, Spokane, Wash. 265.3m-1130kc. 100 watts. Symons Investment Co. Announcer, E. B. Craney. Daily ex Sun, Tues, 7-7:45 pm. Wed, 9-12. Thurs, 10-11 pm. Sat, 11-12 midnight. Sun, 9:45-10:30 am; 9-10 pm. Pacific.

KFQA, St. Louis, Mo. 260.7m-1150kc. 1,500 watts. The Principia. Thurs, 8 pm. Sun, 8 pm, church service. Central.

KFQB, Fort Worth, Texas. 263m-1140kc. 1,000 watts. The Searchlight Pub. Co.

KFQD, Anchorage, Alaska. 227.1m-1320kc. 100 watts. Chovin Supply Co.

KFQP, Iowa City, Iowa. 223.7m-1340kc. 10 watts. George S. Carson, Jr. Wed, 8-9 pm. Central.

KFQU, Alma, Calif. 217.3m-1380kc. 100 watts. W. Riker. Announcer, Arthur J. Landstrom. Daily ex Mon, 9-10 pm. Sun, 11-12 m., 9-10 pm. Pacific.

KFQW, North Bend, Wash. 215.7m-1390kc. 50 watts. The Photo Radio and Elec. Shop. Announcer, Carl F. Knierim. Slogan, "At the Western Entrance of Snoqualmie Pass." Thurs, 8-9 pm. Sun, 8:45-10 pm. Pacific.

KFQZ, Hollywood, Calif. 225.4m-1330kc. 50 watts. Taft Radio Company. Tues, Fri, 9-11 pm. Pacific.

KFRB, Beeville, Texas. 247.8m-1210kc. 250 watts. Hall Brothers. Temporarily off the air.

KFRC, San Francisco, Calif. 267.7m-1120kc. 50 watts. City of Paris Dry Goods' Co.

KFRU, Columbia, Mo. 499.7m-600kc. 500 watts. Stephens college. Mon, Tues, Thurs, Fri, 6:15 pm. Fri, 12-2 am. Wed, 9-11 pm. Sun, 7:30 pm; 9:20, 7:30 pm. Central.

KFRW, Olympia, Wash. 218.8m-1370kc. 50 watts. "The Loy Memorial." United Churches of Olympia. Slogan, "Make the World a Brotherhood." Thurs, 9-10 pm. Sun, 11-12:15 pm. 7:30-9. Pacific.

KFSG, Los Angeles, Calif. 275.1m-1090kc. 500 watts. Angeles Temple. Tues, Thurs, Fri, Sat, 3:30-4:30 pm. Tues, 6:30-7:30 pm. Wed, 2:30-4:30 pm; 6:30-7:30. Thurs, Fri, Sat, 7:30-11 pm. Sun, 10:30-12:30 pm, 2:30-4:30, 7-9:30. Mon, silent. Pacific.

KFUL, Galveston, Texas. 258.5m-1160kc. 50 watts. Thomas Groggan & Bros.

KFUO, St. Louis, Mo. 545.1m-550kc. 500 watts. Concordia Theological Seminary (Lutheran). Announcer, Herm. H. Hohenstein. Mon, 8 pm. Wed, 9:15 pm. Sun, 4 pm, 9:15. Central.

KFUP, Denver, Colo. 234.2m-1280kc. 50 watts. Fitzsimons General Hospital, Educational and Recreational Dept.

KFUR, Ogden, Utah. 223.7m-1340kc. 100 watts. Peery Building Co. Tues, Thurs, Sat, 9:50-11:50 pm, dance music. Mountain.

KFUS, Oakland, Calif. 256.3m-1170kc. 50 watts. The Gospel Radio. Slogan, "The City of Opportunity."

KFUT, Salt Lake City, Utah. 260.7m-1150kc. 100 watts. University of Utah. Mon, Wed, Fri, 12-1 pm. Mon, 12 m. Wed, Fri, 12:20 pm. Mountain.

KFUU, Oakland, Calif. 220.4m-1360kc. 50 watts. Mathewson Motor Co. Announcer, H. C. Colburn. Slogan, "The Voice of Automobile Row." Daily ex Sun, 10:45-11:45 am; 6:30-7:15 pm. Tues, Thurs, 8-10 pm. Sat, 6:30-2 am. Sun, 8-9:30 pm. Pacific.

KFVD, San Pedro, Calif. 205.4m-1460kc. 50 watts. McWhinnie Elec. Co.

KFVE, University City, Mo. 239.9m-1250kc. 500 watts. Film Corp. of America. Daily ex Thurs, Sun, 9:15 pm. Central.

KFVG, Independence, Kan. 236.1m-1270kc. 10 watts. First Methodist Episcopal church. Sun, services.

KFVH, Manhattan, Kan. 218.8m-1370kc. 15 watts. Whan Radio Shop. Announcer, Herbert Wahn. Slogan, "Kansas Fans Very Happy." Daily ex Sun, 12 m, markets. Daily ex Sun. Central.

KFVI, Houston, Texas. 239.9m-1250kc. 10 watts. Headquarters Troop 56th Cavalry Brigade.

KFVN, Welcome, Minn. 227m-1320kc. 50 watts. Carl E. Bagley. Slogan, "The Voice of Martin County." Daily ex Sun, 9 pm. Sun, 3 pm. Central.

KFVR, Denver, Colo. 243.8m-1230kc. 50 watts. Moonlight Ranch Broadcasting Station. Mon, Fri, 10-12 midnight. Tues, Sat, 8-9 pm. Wed, Thurs, 12-1 am. Mountain.

KFVS, Cape Girardeau, Mo. 223.7m-1340kc. 50 watts. Cape Girardeau Battery Station. Announcer, W. W. Watkins. Slogan, "The City of Opportunity." Thurs, 7 pm. Sun, 11 am, church. Central.

KFVW, San Diego, Calif. 245.8m-1220kc. 500 watts. Airfan Radio Corp.

KFVY, Albuquerque, N. M. 249.9m-1200kc. 10 watts. Radio Supply Co. Announcer, J. F. Walsh. Slogan. "Center of the Sunshine State." Daily ex Sun, 5:30-6:30 pm, dinner concert; baseball. Tues, Fri, 8-9:30 pm, dance music. Mountain.

KFWA, Ogden, Utah. 260.7m-1150kc. 500 watts. Browning Brothers Co. Announcer, H. C. Mailander. Slogan, "Keeping Friends with All." Daily ex Sun, 4-5 pm, Zenith hour, stocks, markets, time. Mon, Wed, Fri, 9-10 pm, music. Mon, Wed, 10-11 pm. Sun, 9-12 midnight, music. Mountain.

KFWB, Hollywood, Calif. 252m-1190kc. 500 watts. Warner Brothers.

KFWC, San Bernardino, Calif. 211.1m-1420kc. 50 watts. L. E. Wall.

KFWF, St. Louis, Mo. 214.2m-1400kc. 250 watts. St. Louis Truth Center. Slogan, "The Voice of Truth." Announcer, Rev. Charles H. Hartmann. Tues, 8 pm. Thurs, 7 pm, 7:45. Sat, 10 pm. Sun, 10:45 am; 7:45 pm. Central.

KFWH, Chico, Calif. 254.1m-1180kc. 100 watts. F. Wellington Morse, Jr. Slogan, "Kind Friends We're Here." Daily ex Sun, 10:30-11:30 am, 6:15-6:30 pm, news, music. Mon, Wed, Fri, 8-10 pm, 12-1:30 am; Sun, 9:30 am. Pacific.

KFWI, South San Francisco, Calif. 225.4m-1330kc. 500 watts. Radio Entertainments, Inc.

KFWM, Oakland, Calif. 206.8m-1450kc. 500 watts. Oakland Educational Society.

KFWO, Avalon, Calif. 211.1m-1420kc. 250 watts. Major Lawrence Mott-Signal Corp. Slogan, "Katalina for Wonderful Outings." Daily, 12:30-1:30pm, 7:30-9. Tues, Fri, Sun, 5-6 pm. Pacific.

KFWU, Pineville, La. 238m-1260kc. 100 watts. Louisiana, La.

KFWV, Portland, Ore. 212.6m-1410kc. 50 watts. Wilbur Jerman. Daily ex Sun, 6-7 pm; 7-7:30; 8-11.

KFXB, Big Bear Lake, Calif. 202.6m-1480kc. 500 watts. Bertram O. Heller. Announcer, Charles Stillwell. Slogan, "Rim of World Super Station." Mon, 5-5:30 pm; 9-11. Daily ex Sun, 8-9 pm. Pacific.

KFXC, Santa Maria, Calif. 209.7m-1430kc. 100 watts. Santa Maria Valley Railroad Company.

KFXD, Logan, Utah. 205.4m-1460kc. 10 watts. Service Radio Co.

KFXF, Colorado Springs, Colo. 249.9m-1200kc. 500 watts. Pikes Peak Broadcasting Company. Announcer, W. D. Pyle. Slogan, "The Pikes Peak Station."

KFXH, El Paso, Texas. 241.8m-1240kc. 50 watts. Bledsoe Radio Company. Announcer, Chuck Swann. Slogan, "The Voice of the Rio Grande." Mon, Wed, Fri, 8-10 pm. Mountain.

KFXJ, Colorado. 215.7m-1390kc. 10 watts. Mountain States Radio Distributors, Inc. (Portable.)

KFXM, Beaumont, Texas. 227m-1320kc. 10 watts. Neches Elec. Co.

KFXR, Oklahoma, Okla. 214.2m-1400kc. 15 watts. Classen Film Finishing Company.

KFXY, Flagstaff, Ariz. 205.4m-1460kc. 50 watts. Mary M. Costigan.

KFYF, Oxnard, Calif. 205.4m-1460kc. 10 watts. Carl's Radio Den. Announcer, Carl Newcomb. Slogan, "The Radio Voice from the Radio Den." Daily ex Sun 5-6 pm, weather, crops, news, music. Pacific.

KFYJ, Houston, Texas. 238m-1260kc. 10 watts. Houston Chronicle Pub. Co.

KFYR, Bismarck, N. D. 247.8m-1210kc. 10 watts. Hoskins-Meyer, Inc.

KGO, Oakland, Calif. 361.2m-830kc. 4,000 watts. Gen. Elec. Co. Announcer, Howard I. Milholland. Daily ex Sun, 7:15-7:45, 8:15 am, exercises; 8:30, daily strength; 11:30 am, luncheon concert. Daily ex Sat, Sun, 1:30 pm; Sat, 12:30 pm, markets, weather. Mon, Wed, Fri, 3 pm, music. Daily ex Sun, Mon, 4-5:30 pm, concert orchestra. Mon, Tues, Wed, Fri, 6-7 pm, music. Mon, Tues, Thurs, Sat, 8-10 pm, lectures, music. Tues, Thurs, Sat, 8-12. Mon, 5:30-6 pm, Children's half hour. Mon, Tues, Wed, Thurs, Fri, 7 pm, stocks, markets, weather, news. Thurs, 5:30-6:30 pm, boys' hour. Fri, 5-5:30 pm, girl's half hour. Sun, 11-12 m, 8 pm, church services; 3:30-5 pm, Little Symphony orchestra. Pacific.

KGTT, San Francisco, Calif. 206.8m-1450kc. 50 watts. Glad Tidings Temple.

KGU, Honolulu, Hawaii. 270.1m-1110kc. 500 watts. Marion A. Mulrony, The Honolulu Advertiser. Announcer, William Hoser. Daily, 7:30-9 pm. Tues, Thurs, Sat, special program. Sun, 11 am; 7:30 pm. 150 meridian. 2½ hours earlier than Pacific.

KGW, Portland, Ore. 491.5m-610kc. 500 watts. Portland Morning Oregonian. Announcer, Dick Haller. Slogan, "KGW, Keep Growing Wiser." Daily ex Sun, 10-11:30 am, Town Crier; Mon, Wed, Fri, 7:15-7:30 am, exercises. Daily ex Sun, 12:30-1:30 pm Mon, Tues, Wed, Thurs, Fri 7:30-7:45 pm, utility service; Mon, Tues, Wed, Fri, 8-9 pm. Mon, Tues, 9-10 pm. Tues, Sat, 10-12. Wed, 9-11 pm. Fri, 9-10:30 pm; 10:30-12 Hoot Owls. Sun, 10:30-12 m, 7:30-9. Pacific.

KGY, Lacey Wash. 245.8m-1220kc. 50 watts. St. Martins College. Announcer, Sebastian Ruth. Slogan, "Out Where the Cedars Meet the Sea." Sun, Tues, Thurs, 8:30-9:30 pm. Pacific.

KHJ, Los Angeles, Calif. 405.2m-740kc. 500 watts. Los Angeles Times. Announcer, John S. Daggett. Slogan, "Kindness, Happiness, Joy." Daily ex Sun, Mon, 7 am, 7:30, 12 m, 1:30 pm, 2:30, 3:30, 5:30, 11. Mon, 7-7:30 am, 12-1:30 pm. Sun, 10-12:30 pm, 6-7:30, 8-11. Pacific.

KHQ, Spokane, Wash. 272.6m-1100kc. 500 watts. Louis Wasmer, Inc. Slogan, "In the Friendly City."

KIAF, Sihtepoc, Minn. 422.3m-710kc. 500 watts. Steele Co. Slogan. "Far from the Maddening Crowd." Mon, Wed, Fri, 7-8 pm. Sun, 2-3 pm. Central.

KJBS, San Francisco, Calif. 220.4m-1360kc. 5 watts. Julius Brunton & Sons Co. Announcer, Edward Ludes. Daily ex Sun, 9-10:40 am; 2-2:30 pm. Mon, Wed. 8-10 pm. Fri, 8-11:30 pm. "Royal Order of Smoked Herring." Pacific.

KJR, Seattle, Wash. 384.4m-780kc. 1,000 watts. Northwest Radio Service Co. Announcer, Ross W. Swift. Slogan, "Radio Headquarters." Daily ex Sun, 10:30-11:30 am, educational program; 1:30-3 pm, matinee; 3, time; 5-6 pm, stocks, time; 6, time; 7-8:30, 8:30-10, 11-12:30. Sun, 11-12:30 pm, service; 5-6 pm, 7-9, 9-10:30. Pacific.

KLDS, Independence, Mo. 440.9m-680kc. 1,000 watts. Reorganized Church of Jesus Christ of Latter Day Saints. Announcer, Arthur B. Church. Tues, 6:30 am, 11:59 pm. Tues, Thurs, Sat, 8 pm. Fri, 6:30 am. Sun, 11 am, 3 pm, 6:30, 9. Central.

KLS, Oakland, Calif. 249.9m-1200kc. 250 watts. Warner Bros. Radio Supplies. Announcer, S. Warner. Slogan, "The City of Golden Opportunity." Sun, 10-11 am. Pacific.

KLX, Oakland, Calif. 508.2m-590kc. 500 watts. Oakland Tribune. Announcer, Charles H. Gabriel, Jr. Slogan, "Where Rail and Water Meet." Mon, Fri, 4-7:30 pm; 8-10:30. Tues, Thurs, Sat, 7-7:30 pm. Wed, 8-11:30 pm. Pacific.

KLZ, Denver, Colo. 265.3m-1130kc. 250 watts. Reynolds Radio Co. Announcer, Mrs. William D. Reynolds. Slogan, "Its a Privilege to Live in Colorado." Wed, Sat, Sun, 9 pm. Mountain.

KMA, Shenandoah, Iowa. 252m-1190kc. 500 watts. May Seed & Nursery Co. Daily ex Sun, 11:30-12:30 pm, 6-7, 9-11. Sun, 4-6 pm. Central.

KMJ, Fresno, Calif. 234.2m-1280kc. 50 watts. Fresno Bee. Mon, Wed, Fri, 7:15-9:15 pm. Pacific.

KMMJ, Clay Center, Nebr. 228.9m-1310kc. 500 watts. M. M. Johnson Co. Daily ex Sun, Wed, 1:30 pm; 7:30. Central.

KMO, Tacoma, Wash. 249.9m-1200kc. 100 watts. Association Station. (Love Electric Co.) Mon, Wed, Fri, 6-7 pm, popular program; 9-10, artist's program. Pacific.

KMOX, St. Louis, Mo. 280.2m-1070kc. The Voice of St. Louis. Announcer, Nate Caldwell.

KMTR, Los Angeles, Calif. 238m-1260kc. 500 watts. K. M. Turner Radio Corp.

KNRC, Los Angeles, Calif. 208.2m-1441kc. 250 watts. Kieruff & Ravenscroft Co. Announcer, "Hastings." Daily ex Sun, 10 am. Mon, 1:30 pm. Tues, Wed, Thurs, Fri, 7-9 pm. Pacific.

(Note—The second part of the station data list will appear next week.)

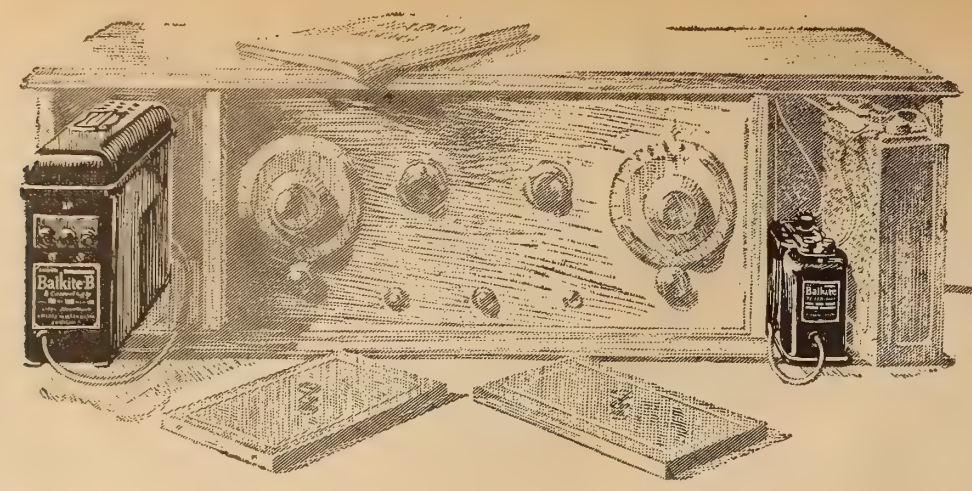
CHALLENGE!

ONE DOLLAR will be paid to the Radio fan submitting the most errors in any one station's listing in this directory. Letters must reach Radio Digest office not later than one week from date of issue corrected. Readers are not limited to correcting one station, but such corrections must be certified by the stations themselves, and NOT by comparison to other so-called accurate broadcasting directors and lists. Readers also must live in same state or province as stations corrected are located. Station verifications must accompany corrections.

That's just how sure Radio Digest is that this broadcasting station directory is correct! To make the challenge fair for everyone, broadcasting stations and their employes are barred from this offer. Why? Because the broadcasters are the source of all the data given herein. They are (or should be) interested enough to answer the inquiry sent them every time data on their station appears. This inquiry contains a proof of their last listing and must either be corrected or O K'd as correct and returned to the Digest. Nevertheless, sometimes the stations are careless and mistakes are made. But Radio Digest is so sure of the exactness of this directory that this challenge is made unconditionally.

With reference to the directory: It appears in six parts, serially continuously; the first four parts are station data listings, arranged alphabetically; the fifth part is a state, city index of stations; the sixth part is a wave length index. The information contained in each station data listing is given in the following order: Call letters, city, state, wave length used, watts antenna input, owner's name, announcer's name, slogan used if any, name of listener in "club," schedule of operating hours, and kind of time used, as "Central," "Mountain," etc.

Six successive issues of Radio Digest will give one the most complete and accurate list of broadcasting stations obtainable. This service is original with this publication, and has been maintained from the start. Right of reproduction without permission of any or all of the data contained herein is denied.



Convert your receiver into A LIGHT SOCKET SET *with* Balkite Radio Power Units

Now you need wait no longer for a light socket set. Balkite Radio Power Units—the Balkite Trickle Charger and Balkite "B"—enable you to make a light socket set of your present receiver.

The Balkite Trickle Charger converts your "A" battery into an automatic "A" power unit that furnishes full "A" current from the light socket at all times. Balkite "B" replaces "B" batteries entirely and furnishes "B" current from the light socket. As an added convenience you may purchase from your dealer an automatic switch that cuts out the charger and turns on Balkite "B" during operation.

This popular light socket installation is the last word in radio convenience. It is extremely simple to install, economical both in initial cost and in operation, and is so compact it will fit in practically all present battery compartments. Revolutionary in the convenience it gives, yet it is composed entirely of units that have demonstrated their success over a period of time.

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All Balkite Radio Power Units are entirely noiseless, have no bulbs, no moving parts, nothing to break or get out of order. All are permanent pieces of equipment. Their current consumption is ridiculously low. All operate from 110-120 volt AC current, with models for 50, 60 and other cycles. *All are tested and listed as standard by the Underwriters' Laboratories.* If you already own a receiver, equip it with Balkite Radio Power Units now. If you buy a new receiver, buy it Balkite equipped from your dealer.

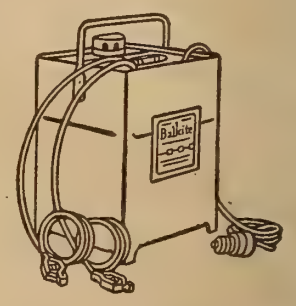
The Balkite Railway Signal Rectifier is now standard equipment on over 50 leading American and Canadian Railroads

FANSTEEL

Balkite *Radio Power Units*

Balkite *Trickle Charger*

Converts any 6-volt "A" battery of 30 ampere hours capacity or more into an automatic "A" power unit that furnishes "A" current from the light socket. With 4-volt and smaller 6-volt batteries may be used as an intermittent charger. Or as a trickle charger if a resistance is added to cut down the charging rate. $10. West of Rockies, $10.50. In Canada, $15.

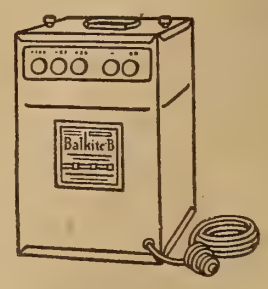


Balkite *Battery Charger*

The popular rapid charger for 6-volt "A" batteries. Noiseless. If your battery should be low you merely turn on the charger and operate the set. Special model for 25-40 cycles. $19.50. West of Rockies, $20. In Canada, $27.50.

Balkite "B"

Eliminates "B" batteries and supplies plate current from the light socket. Keeps the "B" cir cuit always at full power. For sets of 6 tubes and less. $35. In Canada, $49.50.



Balkite "B" II

Supplies plate current from the light socket. Will serve any standard set. Especially adapted to sets of 6 tubes or more. $55. In Canada, $75.

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Official Final Confirmation Programs

Radio Digest

EVERY WEEK — PROGRAMS Illustrated — TEN CENTS

REG. U. S. PAT. OFF. & DOM. OF CANADA

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Boy's Voice First Across Atlantic?; Old Fiddlers Win Fame; KGO Makes Radio Drama; New 15-130 Meter Receiver; Thordarson UX-213 B Eliminator; Open War on "Bloopers"

BEAUTY CONTEST IS FOR GRANDMOTHERS

STATION TO HOLD UNIQUE VALENTINE PARTY

Radio Voters Will Be Called Upon to Decide Between Old-Fashioned and Flapper Grandams

CINCINNATI.—Will the old-fashioned granny, of which the very mention conjures before our minds a picture of a lovable old lady seated low in a great rocking chair, be replaced by the modern flapper grandam? Will those strands of silver or snow-white hair, done up in a little knot, give way to a water-waved bob of henna hue? Will those wrinkled fingers that while away the eventide of life by knitting or stroking the curled-up family cat lose favor before manicured hands that strum a ukulele or pet a pekingese pup? Will the glowing fireplace that probably hold reflections of other years be replaced by a phonograph or Radio blaring forth the latest "hot-diggity" Charleston?

The answer to those questions will be decided by the Radio fans through the Crosley station WLW here on the eve of St. Valentine's Day, Saturday, February 13.

The third annual beauty contest to be conducted by Radio will be held on that date, but the contestants this year, however, will be grandmothers, instead of girls in their "teens." The contest will last two hours, from 8 to 10 p. m., Central time, and Radio voters will be asked to decide the winners. The event is unique in beauty contests because the voters will be called upon to not only judge beauty, but will also have an opportunity to voice their sentiments and decide an issue regarding the two types of grandmothers that will compete.

The contest has been open to all grandmothers sending their photographs or calling in person at the Crosley studio.

Prizes will be awarded to Radio listeners who send in their votes as well as to the winners of the contest. Complete rules of the contest and the manner in which it is to be conducted will be broadcast over the WLW microphone.

$25 GIVEN DAILY IN WGN CONTEST

Chicago Tribune Finding What Old-Time Melodies Linger After Being Laid on Shelf

CHICAGO.—Do you know the titles of old-time favorite musical compositions? Want to make money? WGN, Chicago Tribune station, here, is giving away $25 every day for just that information.

Of course, WGN knows what the names are, but it wants to learn if you likewise do. Three old-time songs are played each evening from WGN. Listeners are requested to name them and tell in a single sentence which one they liked best and why.

Send your letters to "Old-Time Favorites," care of the Chicago Tribune, Chicago.

Stations on Pacific Coast Unite by Wire

KFI and KPO Take First Step Toward Western Chain

LOS ANGELES.—KFI, Los Angeles, and KPO, San Francisco, are now linked by telephone wires, a program being broadcast simultaneously by the two stations each Monday night between the hours of 9 and 10 o'clock Pacific time.

Although there is little reason to believe it will come true, the lines may be extended to other Pacific coast and inland cities, expanding into a western network. The great distances separating western cities and conflicting policies of stations will materially interfere with the consummation of such a chain.

Station Changes

February brings back an old Radio favorite to the ether world. WCEE, of Elgin, Illinois, is now heard with the new call, WSWS, the S. W. Straus and company station. The old wave lengths, 275.8 meters, is used. This is a 1,000 watt transmitter.

WSSH, is the new call of the Tremont Temple Baptist church station in Boston, Mass. This plant originally had the call WDBR.

BET THAT YOU KNEW PATSY RUTH MILLER

IF YOU did not recognize the dark-eyed beauty on our cover at once it is quite obvious you have been neglecting your moving picture theater lately—perhaps too much interest in trying to snatch a song or a call from across the briny deep on your Radio.

Anyhow, the maiden is none other than the charming Miss Patsy Ruth Miller, star of the Warner Brothers moving picture productions. Miss Miller, besides performing for the screen, sometimes steps in and takes over the microphone of the KFWB broadcasting studio in Hollywood, Calif. She is a charming hostess as a screen announcer and the listeners are quick to recognize her voice as she comes on the air.

SAYS POMP NEEDED BY NATION'S HEADS

NEW YORK.—Speaking before the microphone at Station WJZ, Frank O. Salisbury, of the British Royal academy, recently made the statement that President Coolidge should be clothed in picturesque garments for the benefit of artists, and senators and judges should wear similar clothing. There is a spiritual value in pomp and pageants, which might be called the art of government, he continued.

Besides the robes of office, he suggested mace bearers and wands, so that "your artists could have a chance and inspiration for decorations for your public buildings." The display and pageantry of British state functions lend themselves to painting, he said.

Short Wave Experimenter Did Most to Advance Radio

NEW YORK.—The 1925 Morris Liebmann memorial prize, awarded annually by the American Institute of Radio Engineers for the most important contribution to Radio progress, has been presented to Frank Conrad, assistant chief engineer of the Westinghouse company in recognition of his work in short wave development. The prize, a check for $500, was presented to Mr. Conrad by Dr. J. H. Dellinger, president of the institute.

Will Continue Hearings on Charges of Radio Monopoly

WASHINGTON, D. C.—William C. Reeve, examiner of the federal trade commission, after having heard argument by attorneys for the Radio Corporation of America and others on a motion to dismiss the case, has overruled the motion and the case will proceed. Announcement has been made that the commission will continue the taking of testimony in this case in New York city, on February 15, this year.

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Looking Ahead

Dad and Ma Salter, both over 86 years old and married sixty-four years, sit at the head of the Radio table every noon at WJAG, Norfolk, Nebr., and 20,000 listeners gather around as members of the "family." It is just one of several novel stunts to make this wide-awake, small-town station one of the best in the world. Pictures and details in the next Radio Digest.

Sam Pickard, chief of Radio service of the United States Department of Agriculture, is working out a system whereby the government can increase its efficiency in serving rural listeners. Pictures and a story of how the plans are to be put in operation will be told by S. R. Winters of Washington, in Radio Digest next week.

Did you ever, on a frosty night, bring the indicators slowly up to 400 meters and suddenly hear the "tick-tock, tick-tock" of a clock? Then, "This is the Cuban Telephone company Radio Station PWX, Havana, Cuba." An interesting story about this broadcaster in a forthcoming issue of Radio Digest.

During the popular revival of the old-time fiddlers one of the "gangs" receiving most comment has been the "Hill Billies" of WRC, Washington. These boys get the atmosphere by putting on the clothes to fit the part and include Charlie Bowman, who claims the much-disputed championship of Tennessee. Story and pictures coming.

The campaign against blooping and man-made interference will be continued next week and the technical staff will do its share by describing and explaining preventive measures on different types of receivers.

Mr. John G. Ryan, the builder of the new Two Tube, Short Wave, 15-130 meter receiver, will outline the drilling and assembly for this extraordinary set in the next issue of Radio Digest.

In the A B C Fundamentals for Everybody, Milo Gurney will next week outline types of audio frequency amplification added to the detector to serve loud speakers.

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NEWS BRIEFS FROM THE BROADCASTERS

ALLEN McQUAHAE, TENOR, KPO SUNDAY FEATURE

WTIC Schedules Boy Scout Meet—"Around the World" with the Apollo Quartet at KYW

Allen McQuahae, who appeared recently over the WEAF chain, will give a program of Irish ballads Sunday, February 14, from KPO, San Francisco. Mr. McQuahae is often favorably compared with John McCormack, but is also considered one of the best of the oratorio singers.

* *

A program presented only by Boy Scouts, in recognition of the sixteenth anniversary of the foundation of the Boy Scout movement in the United States, will be broadcast from the studios of WTIC, Hartford, Saturday evening, February 13, at 8:30 p. m. Eastern time. The program will consist of selections by a bugle and drum corps of thirty members, several saxophone solos, and a talk, "Why I am a Boy Scout?"

* *

The Apollo quartet is taking fans "Around the World" musically through KYW, Chicago. Spain, Marseilles, Egypt, Turkey and Japan are a few of the ports included in the tour. These programs are given Sundays at 4 p. m. Central time.

* *

The Repertory Theater orchestra of Boston, under the direction of Daniel Kuntz will be heard at WBZ, Springfield, again Saturday, February 13, at 7:45 p. m. Eastern time. The programs presented over the Radio are arranged especially for broadcasting by Daniel Kuntz, and frequently include selections never heard on the air.

* *

"Olivette," a comic opera, specially revised for Radio by Charles Caldwell Dobie, is on the KGO program, Saturday night, February 20. The work will be presented by the Players Guild of San Francisco, under the direction of Reginald Travers and Harry Brown Wood.

* *

The Katinka Gypsy orchestra which has become a tri-weekly feature at WOR, Newark, is one of the most colorful organizations in New York. George Tcherban, director, is a well-known gypsy virtuoso. While playing in Constantinople he gathered together a group of musicians whose homes were in the Caucasus mountains. Their success in New York is due not only to their treatment of our dance music, but to their rendition of their own native Russian and Gypsy airs.

* *

George Olsen and his orchestra are to be featured regularly from Station WJZ, every Tuesday and Saturday night. The broadcasting is to be done from the grill of the Hotel Pennsylvania. Mr. Olsen has invented a novel introduction and signing off feature to supplant the "hello and goodbye" selections. His outfit imitates a railroad train. In opening, the train pulls into the station and stops. After the broadcast it roars off into the distance, the last sound being the blast of the whistle.

* *

Morton Bates and his Elks home orchestra will broadcast the 11 p. m. Eastern time program from WPG, Atlantic city, Saturday night. The merrymaking will jazz up even the most sedate of loud speakers.

* *

Incidental music by Grieg from the drama "Sigurd Jorsalfar" will be featured by the KGO Little symphony orchestra, Sunday afternoon, February 14, at 3:30 p. m. Pacific time. The program will be under the direction of Carl Rhodehamel.

* *

Admirers of Vice President Dawes had an opportunity last Saturday evening, to hear him via Radio from WIP. He was the guest of the Manufacturers' club of Philadelphia.

* *

Major Edward I. Bowie, senior forecaster of the United States weather bureau at San Francisco, will talk over KGO, Monday night, February 15, at 8:05 p. m. Pacific time. He will explain to listeners how the weather bureau conducts warfare upon frosts and the subject of his talk will be "Frost Fighting."

* *

Songs of the Sunny South which included real southern camp meeting songs and spirituals, were contributed by the Cotton Belt quartet to the Saturday program of WOR, Newark. Perry Bradford was the director.

* *

The Radio performance of "The Merchant of Venice," last Friday, marked the first presentation of the new weekly Shakespearian feature at WEAF. Well-known Shakespearian players appear before the microphone in this feature.

WELCOME STEP TO CLEAR ETHER

BUT LITTLE GAINED IN OVERSEAS TESTS

BLOOPERS AND WEATHER GREATEST OBSTACLES

Lax Cooperation of U. S. Stations Added to Poor Conditions Makes Reception Difficult

Bloopers, poor Radio weather made even worse by atmospheric conditions and the aurora borealis, steamship SOS calls and a few selfish American stations who persisted in going on the air during the silent hours, were responsible for the almost complete failure of the International Radio Week foreign reception tests. A final check-up by Radio Digest shows that probably 35,000 Radio listeners heard Europe or South America, but what they heard must have been very little and poor in quality in most cases.

No one will say that the 1926 international tests were an achievement worth boasting about. As one of the members of the International Radio week committee, Powell Crosley, Jr., put it:

"The committee arranged for the foreign transmissions and the silence periods in the United States, Canada and Mexico, but were unable to arrange the weather or insure climatic conditions."

Foreigners Have Poor Luck Too

Equal luck was shared by the English and Continental fans who attempted to hear the American, Canadian and Mexican stations. Cable messages from Radio Digest European staff correspondents were all the same. They reported, in brief:

"Almost total failure to receive American transmissions. This is attributed to the aurora borealis and damping by the full moon. Radiating sets also were annoying. At the best the reception could but be called moderately successful."

Lima, Peru, cabled that it was impossible to hear American or European stations on account of spark station interference. WAMD, Minneapolis, was logged.

American Broadcasters Disregard Tests

Reports from listeners from all sections of the country—only 16,794 letters and telegrams arrived at Radio Digest's offices—give a clear cross section of some of the difficulties. Chief among these were blooping or radiating receivers. Next in line were the stations who disregarded the test hours and broadcast to the great dismay of the trying listeners.

What hatred these stations brought upon themselves can only be shown by the letters from the fans. Transmitting during one or more silence periods was done by several stations. Among these were:

KTAB, Oakland, Calif., 240 meters; KFON, Long Beach, Calif., 233 meters; KPSN, Pasadena, Calif., 315.6 meters; WGHP, Clearwater, Fla., 266 meters; and KNX, Hollywood, Calif., 336 meters.

WEAF, New York, 491.5 meters, got in bad with its audience Wednesday night of the week, when "Roxy" and Graham McNamee were heard after the silence period had begun. The two famous personages did not help their popularity by continuing their broadcasting for fourteen and one-half minutes after they should have been off the air. Both the station and the impresario overestimated the degree of their popularity.

WNYC, another New York station, in fact, owned by the municipality of New York city, overstayed its welcome Thursday night, by remaining on seven minutes after the test silence period was supposed to have begun.

Conditions Bad; Best Foreign Stations

After all has been said and done, the European stations demonstrated their ability to get over, but conditions were bad. The foreign stations are better this year than ever before.

The official Radio Digest eastern listening post, located in the laboratory of E. K. "Jessie" James, Flushing, N. Y., reported best reception from OAX, Lima, Peru; 6BM, Bournemouth, England; 2LO, London, England; EAJ13, Barcelona, Spain; EAJ7, Madrid, Spain, and 5WA, Cardiff, Wales. Excellent quality and volume was reported by this post for 5XX, Daventry, which was received on a special long wave receiver.

Mistaken Fans Complain of WOC

On Friday, the various stations of the country were to transmit during four different fifteen-minute time periods according to the time band in which they are located Exceptions, however, were made to this rule. The tests committee, to put a few more stations in the Mountain time test period, asked all stations in Iowa, Nebraska, Kansas and the Dakotas to broadcast at the same time as KOA and the other Mountain time stations.

Fans hearing WOC, WOI and other stations from the five states listed as exceptions, sending when they thought they should not be, had their ire aroused on a false alarm. However, regardless of the fact that these broadcasters were in the right according to the wishes of the International Radio Week committee, thousands upon thousands of letters poured in to WOC and the other Central time stations, calling them all sorts of nasty names and threatening to tune them out forever and a day.

Bungles Didn't Help Tests

Little bungles such as these made the week trying not alone for the broadcasters and the listeners, but for the newspaper and magazine editors who were attempting to give the public the facts about the tests. Complete advance programs were not forthcoming from the committee. Those in charge did not get them in time.

When it was desired to know what stations would be on each night, no one knew for sure. The committee was beseeched for information. They knew very little, although they were supposed to have made all preliminary and final arrangements.

When it came to getting confirmation programs, even these were prepared in haphazard fashion. Radio Digest relied upon its foreign correspondents and the meager information available at Radio Week headquarters. Finally, the confirmation programs appearing on page eight, of this issue, were assembled after much effort.

It is to be hoped that the next foreign tests be arranged in a more business-like fashion.

The bloopers, aurora borealis, SOS signals, selfish-minded stations, etc., also are NOT invited to participate during silence periods next time.

STEPS ON IT AND WATCHES STEP

Miss Gladys Roy, Los Angeles daredevil aviatrix, provided the coast thrill lovers a treat recently when she Charlestoned on the wing of an airplane under flight. The noise of the machine made the use of ear phones necessary.

Winners of the Gold Award for Foreign Tests

WINNERS of the $100.00 in gold offered for best reports of foreign station reception during International Radio week tests, will be announced in the next issue of Radio Digest. Did you send in a program for verification? All reports were entered in the contest. You may have placed—you never can tell! Very few perfect reports were submitted. Watch for the winners in next week's issue.

STATIONS AND FANS JOIN IN BLOOPER WAR

Join I Won't Bloop Club

Response That Greets Campaign to Lessen Receiver Radiation Exceeds Expectations

Within one week after war was declared by the Radio Digest against the hundreds of thousands of bloopers who prevented reception of foreign programs during the international tests, the campaign is well under way. Thousands of Radio enthusiasts have pledged themselves to operate their sets so as to reduce radiation and limit interference and more than a score of broadcasting stations have offered their cooperation to help clear the air as individual chapters of the I WON'T BLOOP CLUB.

Situation Is Critical

The overseas tests plainly demonstrated that a situation exists that needs be corrected. Legislation cannot prevent blooping and a number of other forms of man-made static. It is the duty of each individual who considers the welfare of Radio to pledge himself to do what is within his power to keep his set from radiating; his share towards eliminating ether disturbances that could, with a little care, be prevented. With that end in view, the Radio Digest has inaugurated the I Won't Bloop club, believing the cooperation of listeners will accomplish more than legal commands with threatening penalties.

Stations Sending Aid

Radio fans throughout the United States and Canada have been asked to join the I Won't Bloop club, the pledge card of which appears on page 10 of this issue. The leading broadcasting stations have requested to become chapters of the club and will accept memberships from their listeners. Numerous newspapers have endorsed the move and united in the campaign, which will continue until an improvement is gained.

To those fans who sign the pledge of membership in the I Won't Bloop club, a certificate will be issued suitable for a billfold or framing. Fans wishing to enroll in the club may do so through the offices of the Radio Digest or through any of the stations which have secured chapters in the club. To enable the members to carry out their pledges, the Radio Digest will publish a series of articles of a non-technical nature for the purpose of enabling fans to operate their sets with the minimum of interference to neighboring receivers. The first of these articles appears on page 10. Others are being prepared, and if the information and suggestions given are followed, it is believed the greatest problem of Radio reception will be solved.

Need Individual Cooperation

The response to the I Won't Bloop club movement has far exceeded highest expectations. With the large numbers of fans, stations and newspapers joining the campaign with full enthusiasm, it is certain that the congestion of needless squeals, howls and whistles will be reduced considerably.

Have you filled out the pledge card? Are you willing to do your part? If you are a real Radio fan you will want to do what you can to clear the air for the enjoyment of all. Become a member of the I Won't Bloop club.

FILL OUT YOUR PLEDGE CARD TODAY.

At the time this issue goes to press, a large number of the broadcasting stations, both in the United States and Canada, have offered to lend their aid in the performance of this great service to listeners in.

The following stations have already been issued chapters and been placed on the honor roll: WLW, Cincinnati, Ohio; WSM, Nashville, Tenn.; WMC, Memphis, Tenn.; WBAP, Fort Worth, Texas; KFNF, Shenandoah, Iowa; WOAW, Omaha; CKNC, Toronto, Ont.; WAHG, Richmond Hill, N. Y.; KGW, Portland, Ore.; WJAG, Norfolk, Nebr.; WHO, Des Moines, Iowa; WFAA, Dallas, Texas; WHT, WJAZ, WGES and WBBM, Chicago.

Join the I Won't Bloop club. There are no dues, fees or restrictions—only a promise to help bring better enjoyment and greater happiness to the estimated 25,000,000 persons of the Radio audience.

KGO Leads with Radio Drama

WILDA WILSON CHURCH Relates Progress of Audio Play After Two Years Trial at San Francisco Studio. Predicts Future Greater Than the Stage. Requires Ability to Make Written Word Alive.

SCANNING the horizon of the future for Radio, the Radio Digest is alert to the signs and portents of forthcoming developements. Existing in wave impulses, the growth and magnitude of Radio seem to spread in the same element. Today there are restraints as there were in the early days of the moving pictures. Presently huge billows will swell through and overwhelm those restraints.

But aside from that there are forces gathering in certain salients which indicate specific trends. A short time ago there was printed in these columns an account of the impetus of the Radio drama. From the Pacific to the Atlantic various phases of the movement were described. Particularly was attention called to the work of Mrs. Wilda Wilson Church, director of the players at KGO, General Electric station, San Francisco.

In this issue we have an interview from a correspondent which gives a close-up view of Mrs. Church and her work.

* * *

"LET us consider Radio as a great, invisible channel into the homes of millions," said Mrs. Church, her head poised at a slight angle as she pointed with the tip of a pencil along a line that seemed entirely visible through her half-closed lids to her mind's eye.

"And through this channel," she continued, "flow the sounds that seem to emanate from actualities. That, in a few words, is the essence of Radio drama. Illusions, effects, situations must be fitted and floated through this stream of sound without visible substance. It is the work of the director to shape the material and guide it through this channel."

For a moment the deep, intelligent eyes of the silver-haired pioneer of this important phase of Radio burned with a fire that motivates those who have a mission, a big work ahead in life, a consuming ambition.

The interviewer beheld the embodiment of a living character in the very person of the one who imbues others with play characters. He asked concerning her own life. She smiled back at him indulgently, patiently, as though he had failed to grasp her vision.

"I always wanted to be an actress," said Mrs. Church. "And I had many offers to go on the stage. But I never did so because it took me away from a home and my two children. Now I have my opportunity, through the medium of sound, perhaps more comprehensive than the old theater ever could become."

* * *

"MY EXPERIENCE as a school teacher, head of my own private school, and as an instructor of the Williams Institute, in Berkeley, comes in good stead in my KGO Radio dramatic work.

"I will say without blushing that we owe our growth of Radio drama technique almost altogether to the help we have had from listeners. Thousands of letters have been sent to us. From this great pile of writing we have learned about our short-comings and have found the way to go for future development of the Radio drama.

"I know there are many people, particularly those who have had rich experiences on the stage, who believe the Radio drama to have serious limitations. But I believe, when better Radio ears are developed and possessed by the mass of our listeners, that the audio drama over Radio will surpass any other form.

"In the theater, or even the home, the spoken drama loses much of the word value of its line because of the necessity of projecting voice tones into the farthest corners. Fine inflections are not possible under the stress of such projection. But in Radio drama, we speak right into the ears of our listeners. The other day I read an article stating that Radio drama technique differed from stage technique in that words must be separated from each other by slight pauses to give the listener a chance. This is not true within a reasonable distance from a big broadcaster. Naturalness and spontaneity are the key words of our player's technique.

* * *

"YES, we have lots of fun giving our plays before the microphone. Not all the laughs are for our listeners. My whole company always feels a little nervous, and I do myself, when a new player comes with us. Among other things, we dread the terror of twisted phrases, or mispronounced words, which will distort their meaning.

"Not long ago, one of the men in my company, testifying in a murder case in the play, 'The Thirteenth Chair,' said: 'This girl was known to have taken tea with the man just half an hour after he was shot!' Many letters came in about it, and our Radio actor would not believe until the end of the play, that he had said it. The substitution of the word 'after' for 'before' did the trick.

"One of the women in the cast of another play, describing the simplicity and purity of an English home, said: 'There are pictures on the wall which no one could look at without blushing.' Poor girl, she was a little nervous, it being her first time before the microphone, and she slipped in the word 'no.'

"One of our pretty ingenues, just before the Eastertide, won the prize, however, for twisted phrases. She said: 'Immaculate conception' when it should have been 'Immaculate condition.'"

"NO ONE can doubt the way our audience listens in to our plays, after reading a few hundred letters, which we receive. Not long ago I read one from a family who had listened. Bert Horton, our leading man, said: 'Call the ambulance!' Just at that moment an

(*Continued on page 26*)

Wilda Wilson Church (upper left) as she appeared to an interviewer at the KGO Radio studio in San Francisco. Mrs. Church reads a script, then writes in the necessary alterations to make it most adaptable to the listening audience in the homes beyond the vision of the players. In the circle Mrs. Church is seen as she gives instructions to the players on the interpretation of their spoken lines. At the left, she is shown as she sits outside the studio following the script and listening to the rehearsal under the same conditions as the voices are transmitted to Radio listeners. She gives her instructions through the telephone.

Old Style Dances Win Favor

GRANDAD FIDDLERS
All the Rage As Colleges Join Movement to Displace Jazz. "Everybody's Doing It."

Henry Ford's Old Style Dance Orchestra playing over the WEAF chain at New York, seems to have stolen a march on jazz. (Left to right) W. Hallup, cymbalonist; C. A. Perry; Maurice Castle and Edwin Baxter, dulcimer.

HAS HENRY FORD reversed the dance pendulum?

Is the Charleston the last convulsion of the wild and furious jazz?

Are our feet already turning backward toward the old barn dance, the waltz, the square, polka, minuet—the gyrations of our fathers, grandfathers and still further back?

Whatever may come of it, Radio is bound to be the medium to wield the most potent influence. Which means, of course, that you have been reading about or tuning in on the old-style dance orchestra which Mr. Ford assembled and put on the air over the WEAF chain.

In a million or more homes this series of old-fashioned dance programs was heard—and, according to the applause letters, the old tunes must have held the dials very consistently throughout the series.

* *

"OH BUD! Listen! Don't turn it off—ain't it funny!" giggled the young flapper as the steady, vibrant fiddle song came galloping out of the loud speaker in strident measures.

Grandad, sitting in the big Turkish chair looked up from his reading, beamed a juvenile smirk, placed his paper on the bookstand at his elbow and got to his feet with a jig pose.

"Gee! That makes me feel young," he chortled, rubbing his palms together and working himself into a shuffle. Grandmom, who was embroidering a doily for Sue's hope chest, peered over her glasses with a slight shock of surprise. Grandad sidled over and pulled her out of her chair.

"Don't be silly," she said, but she smiled as she said it and joined with him.

"Swing your partners to the right," came the voice from the loud speaker.

And, ding bust it—away they went, granddad and grandmom!

"Come on, Bud," commanded Sue. "We don't know what it is but we'll soon find out." Bud surrendered just as Dad and Momsey entered the room.

"Look at the kids!"

"Which ones?" asked Mom.

"All four of 'em," said Dad.

And before Graham McNamee at WEAF had time to shift microphones there were six "kids" doing the barn dance on the parlor floor. Typical—it really happened just about like that in many homes!

* *

IF IT didn't happen during the Henry Ford recitals it may have been during one of the many other similar programs that have been growing in vogue over the Radio from one end of the country to the other for the past two years.

"Why don't you put on those old-time fiddlers for a novelty," suggested a friend to Dick Haller, director at the KGW station, Portland, Ore., along at the beginning. Nobody knew off hand just where to find them, for they had been disbanded for about five years—the particular ones to whom the speaker had referred. But at last the old chaps were brought together. They dusted off their old fiddles and felt a trifle nervous at the moment of their first appearance before the microphone.

But once they were tuned up and the announcer began calling the dances they felt as young and eager as ever. Listeners were enthusiastic and demanded more concert. Vaudeville managers sent for them. They were booked for a tour down through California. Business became so brisk for these old-time fiddlers that they opened an office in Portland and now have more bookings than they can fill.

The popularity of their style of music spread eastward. Old-time fiddlers were jerked out of the privacy of their rural communities and stood before the microphones of scores of stations. They fiddled many golden hours off the programs with the saxophones and jazz bands.

Go around the dial any Saturday night and you will find an old-time fiddler's contest at one studio or quite probably a barn dance at another. Big cities are following suit just as ardently as the country stations.

George Hay, when he was at WLS, Chicago, inaugurated the barn dance at that station. It became a rage with the WLS listeners. They still have it. When the Solemn Old Judge switched microphones from WLS and went to WSM, Nashville, he discovered Uncle Jimmy Thompson, 82 years old, who never yet has been defeated in more than one hundred fiddling contests and he has been fiddling for more than sixty years.

Then (*Continued on page 24*)

Uncle Jimmy Thompson (center) and George Hay at WSM microphone, Nashville. Contestants at old fiddler's contest University of Arkansas (left). Colleges are backing old style dance fad.

Boy's Voice First Across Atlantic?

Harold Robinson, New Jersey Boy Scout, Maintains He Was First to Be Heard in Europe by 'Phone Transmission and Submits Letter to Prove He Was Tricked Out of Credit

By ARMSTRONG PERRY

DID Paul Godley and Edwin H. Armstrong STEAL the credit for the first amateur transmission and reception across the Atlantic ocean? Harold Robinson, an American Boy Scout, first claimed the record with what we believe are authenticated proofs. His 'phone transmitter was heard in Aberdeen, Scotland, according to George W. G. Benzie, who listened in. This occurred on October 6, 1920. Armstrong, aided by others, discredited Robinson. Read the story as written by a man who has followed the case for years.

WITH the sixteenth anniversary of the Boy Scouts of America due early in February, it is a fitting time to clear the name of the Boy Scout, who, according to the evidence, was the first Radio amateur to make his voice and music heard across the Atlantic.

Harold Robinson, a scout living in Keyport, New Jersey, and his father, Hugh Robinson, superintendent of an airplane company, announced in November, 1920, that they had received a report from Aberdeen, Scotland, stating that George W. G. Benzie, also an amateur, had heard their music, voices and call letters on October 6, 1920. The first report was followed by others from Benzie and another amateur, James Miller. I was employed at the national headquarters of the Boy Scouts of America and was especially interested in the Radio activities of the scouts, so I visited the Robinsons at their station, 2QR. I discovered no reason for doubting their statements.

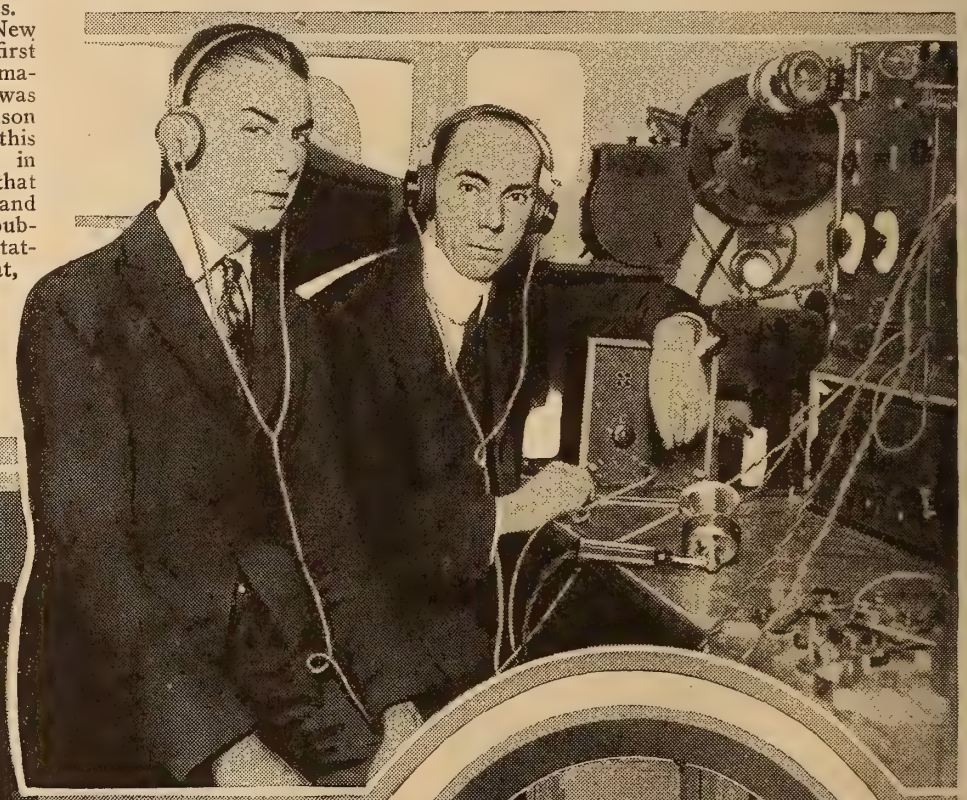
The Radio Club of America (New York) had offered a prize for the first transatlantic transmission by an amateur. An investigating committee was appointed to consider the Robinson record. After a year had passed, this committee presented its report, in which it was stated: "We find that Station 2QR was not heard in Scotland as reported." With the report was published a letter from the Robinsons stating that they were convinced that, **according to the evidence secured by the committee,** the Scotchmen were in error in believing that they had heard the station. It was apparent that if the Robinsons made their report knowing that their station was not transmitting when it was reported to have been heard, Harold had violated the first Scout law: "A Scout is trustworthy."

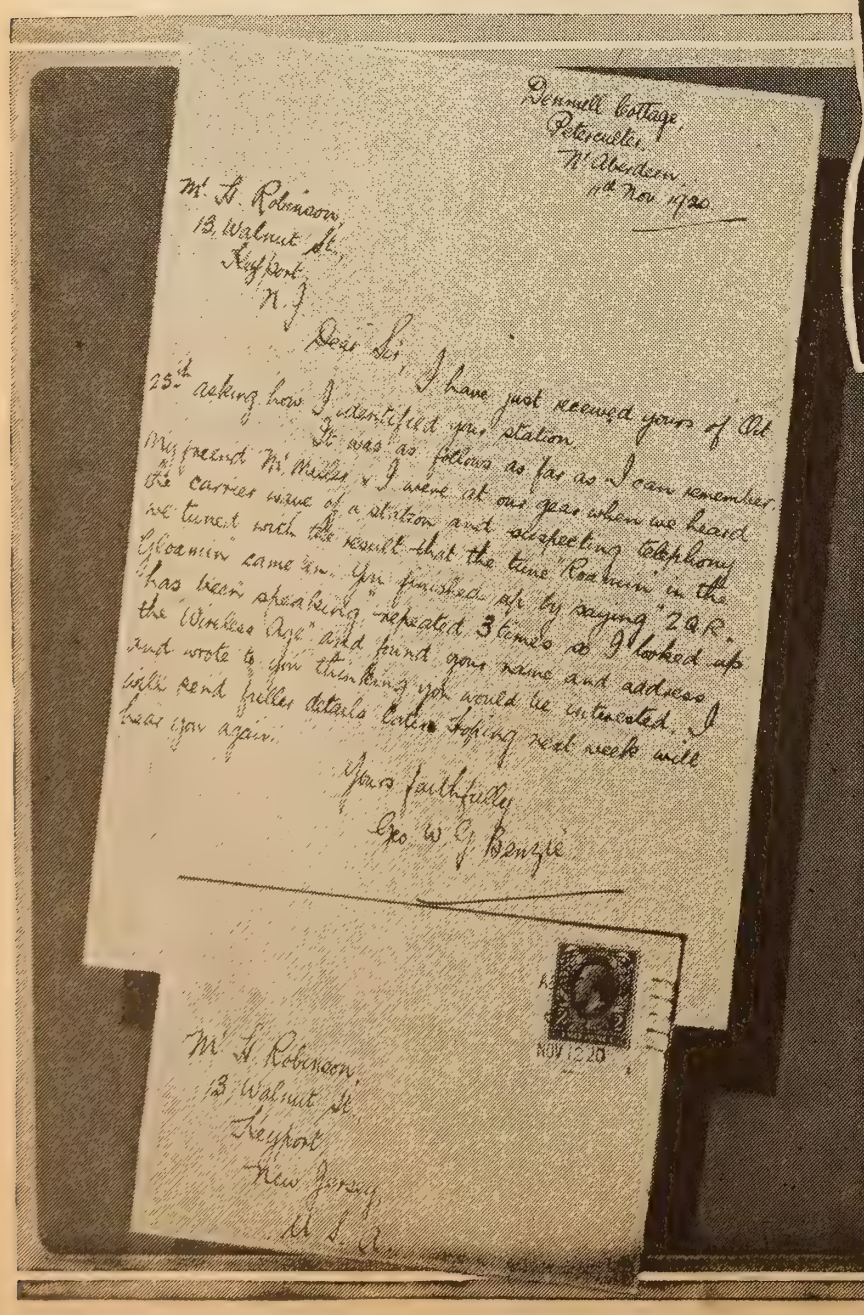
Wondering what evidence could be submitted to disprove their record, I asked a lawyer about it. He said the testimony of persons who were not at either station at the time of transmission would not have much weight, and that in a court action the testimony of the men who were at the stations, together with testimony concerning their character, reputation and probable motives would, no doubt, govern the verdict thus reached.

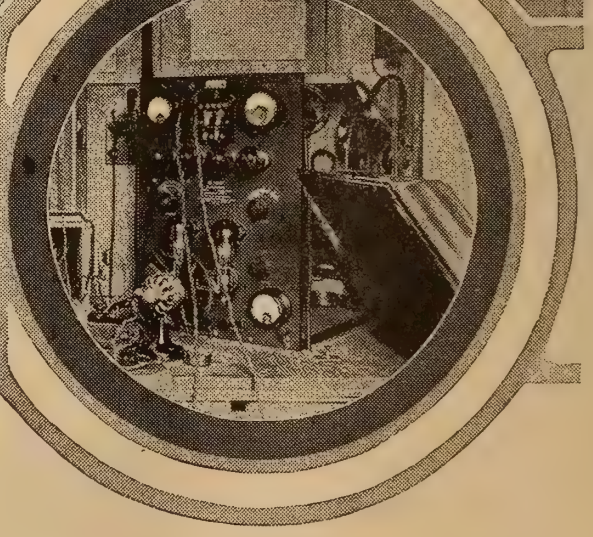
I asked the Robinsons what had changed their minds concerning the reports from Scotland. They said they had not changed their minds, but that they had been tricked into giving the letter to the committee. E. H. Armstrong and other members of the committee, they said, called on them the night before the American Radio Relay league transatlantic tests started, in 1921, and told them the committee had evidence, which **would be shown to them later,** disproving the record. They asked the Robinsons, in the interest of the amateur game, to give them a letter that would show that the opportunity was still open for some amateur to be the first to make his station heard across the Atlantic. Believing Mr. Armstrong and the others to be honest, they gave them the letter. They say they never saw the evidence Mr. Armstrong promised to show them.

The next day Mr. Armstrong and some colleagues entered the A. R. R. L. tests with a station erected especially for the purpose. There is evidence that a wave length was used that was extraordinary and illegal under the terms of their license and improper under the rules of the contest. I am told they were threatened with legal action because of their violation of regulations. Nevertheless, they were credited with being the first amateurs to make their signals heard across the Atlantic.

At the receiving station, in Scotland, was Paul Godley, representing the American Radio Relay league. To him went the credit of being the first amateur to receive amateur signals across the Atlantic. He stated in his report, published in QST, an amateur magazine and mouthpiece of the A. R. R. L., that he doubted whether he ever had his antenna properly adjusted for any wave length other than that of the Armstrong (*Continued on page 24*)







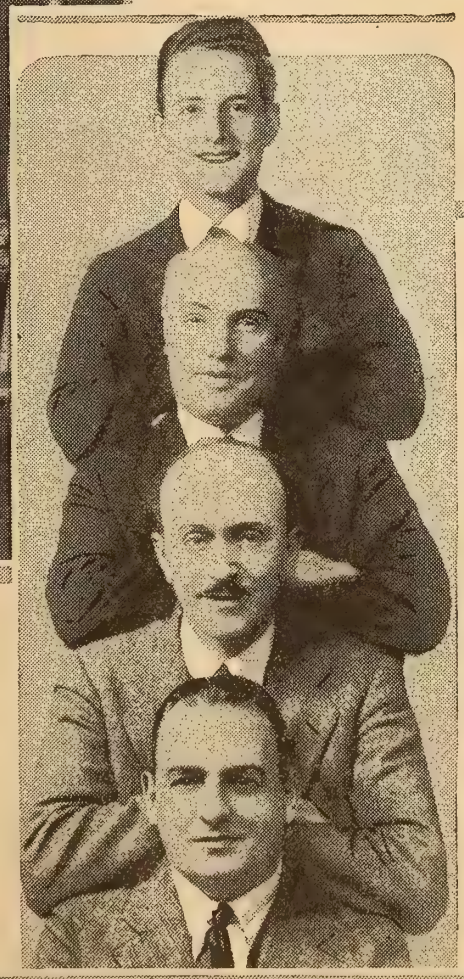
Above are shown Hugh Robinson and his son, Harold, the Boy Scout whose voice was heard in Aberdeenshire, Scotland, singing "Roamin' Thro the Gloamin'" in the fall of 1920. Photograph of letter (left) from Scotland which seems to uphold young Robinson's claim. At right is the transmitting set "guaranteed for 25 miles" which the Keyport youth developed to transmit 3,500 miles.

Organ Is Favorite at WEAR

VINCENT H. PERCY Takes Radio Listeners on World Tours via Music, Then Starts Second Jaunt into Realms of History. Cleveland Station Presents Programs of Interest to All Classes.

By MARSHAL TAYLOR

Vincent H. Percy (below) is the WEAR organist.



While one of the principal features of the WEAR station at Cleveland is its pipe organ concerts, there are plenty of other features to give the station general interest. Madam Suzanne Dreger (above) is one of them. She plays classical piano solos and sometimes accompanies the singers.

ORGAN recitals are becoming more popular over the Radio as receiving sets and loud speakers are improved. In trying out a new loud speaker in his home a few evenings ago the writer was overwhelmed with the faithfulness of the reproduction. Low notes that had hitherto been lost in the abysmal depths came floating into the room with gentle sweetness, exquisite in clarity and beauty.

In fact, the pipe organ had never before under any circumstances seemed so delightful, even in the studios and big auditoriums and we have heard some of the best of them from Salt Lake to New York. It was better than in the actual presence of the organ itself. We do not pretend to be an expert on acoustics, but it may have been that these particularly pleasing results were obtained not only because of the wider range in the timbre of the loudspeaker, but because in the studio the sounds coming from different points were blended together in the microphone and poured out at the terminal from one, small orifice that made each note equi-distant from the ear.

* * *

THIS, by way of organ prelude, brings us to Vincent H. Percy, organist at WEAR, Cleveland. Mr. Percy and his organ have made WEAR famous just as Al Carney at WHT, Chicago, also has made his station famous for its organ.

Mr. Percy started on his aerial road to fame last summer through a series of recitals he called a "Trip Around the World."

Listeners who tuned in at the beginning of the series were wafted on the mellow notes of the organ to foreign shores by a variety of folk songs and national classics. As the numbers were introduced, Mr. Percy, acting as the guide and conductor, interpolated short verbal sidelights which created the atmosphere of the country to which the listener was to be transported. Ireland with its music, Scotland and its characteristic music, England—merry old England; France, Germany, Russia, Spain, Italy, Turkey, Greece, China, Japan—all distinctive in musical characteristics, were visited through the talented fingers and the keys of the famous Metcalf Memorial organ, at which Mr. Percy presided.

Of course, Mr. Percy is proud of his "vehicle" and attributes much of his success to its unusual power and scope. The organ is located in the Euclid Avenue Congregational church and was dedicated in May, 1920, to members of the congregation who were in the military service during the World War. It was named for Leslie I. Metcalf, whose personal gift and effort made it possible. It is comprised of six complete organs in one, including the great, swell, choir, solo, echo and pedal organs.

Wingfoot male quartet (left) top, down; Fred True, Albert Downing, Floyd Campbell and Chas. Pottier. Goodyear concert orchestra (below), Ivan Francisci, director.

* * *

IN the construction of the Metcalf Memorial organ there are 100 miles of wire, 20,854 electrical connections and 3,505 pipes. Wind for the organ is supplied by the operation of a ten-horsepower electric motor.

These incidental details and many more are included in a pamphlet prepared by Mr. Percy for the listeners of WEAR, who frequently request information about the wonderful organ they hear from this station.

One thing about these organ tours, distance and time do not count. Mr. Percy would just as soon

(*Continued on page 24*)

OFFICIAL AND FINAL CONFIRMATION PROGRAMS

Sunday Evening, January 24

OAX, Lima, Peru, 380 meters, special international broadcast; band greetings to United States listeners; national music of the United States; orchestra; address; dance music.

LOW, Buenos Aires, Argentine, 300 meters, native music; announcements in Spanish, English and French.

LOX, Buenos Aires, Argentine, 375 meters, special program.

HA, "Norag," Hamburg, Germany, 292.5 meters, classical musical program.

2LO, London, England, 362 meters, Radio quartet; Charles Leggett, cornet solo; Clay Thomas, baritone.

6BM, Bournemouth, England, 385 meters, Wireless orchestra; Gerald Kaye, tenor; Philip Taylor, baritone; Winifred Scott, soprano.

EAJ13, Barcelona, Spain, 460 meters, program in Spanish music; "Las Corsarias," two-step; "Valencianas;" "The Night of Love;" "La Verbenade la Paloma;" "Servillanas;" "La Dolores."

5XX, Daventry, England, 1601 meters, same program this night as 2LO.

Monday Evening, January 25

HFF, "Vox Haus," Berlin, Germany, 505 meters, special program of German airs.

"Radio Wien," Vienna, Austria, 530 meters, recital of chamber of music by Sedlak Winkler; string quartet by Municipal Opera company, playing compositions of Haydn and Mozart.

EAJ7, Madrid, Spain, Radio Union, 373 meters, featuring Zacarias Arcas, tenor; sextet, "Goyescas" by Grandos; tenor, "Le Partida" by Alzarez; "Jota Del Trus De Los Tenorios" by Serrano; sextet, "Dona Fraisquitta"; "Grandinas" by Berrera; closing sextet, "Seville" by Alberrez.

EAJ13, Barcelona, Spain, 460 meters, program from famous operas; "Tosca;" "Sampson and Deliah;" "Faust;" "Carmen."

——, **Prague, Czechoslovakia, 368** meters, "My Homeland," by Frederic Smetana.

HA, Hamburg, Germany, 292.5 meters, concert program, selections by Weber; Kreisler; Strauss; Schumann, Brahms.

——, **Stuttgart, Germany, 450** meters, Wir Gehen In's theater, "from operetta Paganini;" "Glocken der Liebe;" "Boston Valse," by Lehar; "Ich Habe Nein Herz in Heidelberg Verloren," by Burke; "Der Schonnenschein," by Carl Struve; "Wenn der Liebe Nicht War," fox-trot, by King; "Teresina, Teresina," from the operetta by Strauss; "Die Kleine Pagode," by Benatzky; "Shanghai," by Nichols; "Hier Schlager War Dort," one and two ette-orchestra; "Im Prater Bluhn Wieder die Baume;" "Das Wiener Faikerlied," by Stolz; "Besuch mich mal in Korsica," from operetta "Teresina," by Strauss; "So'ne Landpartie," shimmy dance, by King.

MS, Muenster, Germany, 410 meters, Wagner Tannhauser overture; Lizst preludes; Beethoven Romance in G for violin solo and orchestra; Grieg Nordische Weisen, One, Im Volkston, Two; Kuhreigen and Bauertanz for string orchestra; Strauss Rosevkavalier waltz.

——, **Munich, Germany, 485** meters, concert, Anny Rosenbergers' Chamber music, quartet; "Eriksgang and Kormungmarsch," from Die "Folkunger," by Kretschmer; "Grosse Fantaisie" on Melodies," by Wagner; "Intermezzo" and "Barcarolle," from Tales of Hoffmann, by Offenbach; "Hungarian Dance" and songs.

OAX, Lima, Peru, 380 meters, "International Law and Radio," talk in English, by Dr. Oscar Miro Quezada; "My Old Love," Mexican song, Esparza Otero, soprano; Serenade, Widor, piano, harmonium, flute, violin, violincello; "Dance of the Witches," McDowell, piano; "E Ben do andro Lontano," Srta. Consuelo Paernio; Impressions of the Evening, violin; "Piropos Limenos," poems; "Ollanta," Peruvian opera, Maestro Vallerriestra, soprano, contralto; "El Llanto del Inca," characteristic native waltz, orchestra OAX; "Ritorna Vincitor," Verdi, soprano; waltz, Moskowsky, piano; Lima Girls, flirtation, orchestra OAX.

LOX, Buenos Aires, Argentine, Radio Yaitura, 375 meters, program of national Spanish music; announcements in Spanish, English and French.

LOW, Buenos Aires, Argentine, 300 meters, special musical program.

SBR, Brussels, Belgium, 263 meters, program unconfirmed.

——, **Breslau, Germany, 416** meters, program unconfirmed.

Tuesday Evening, January 26

5XX, Daventry, England, 1,601 meters, station trio; Paul Specht's Canadian band; Cavalliria Rusticana; Frederick Hall, harpist; Walter Glenn, tenor.

5WA, Cardiff, Wales, 351.6 meters, same program as 5XX, Daventry, England, given above.

2BD, Aberdeen, Scotland, 497.1 meters, wireless orchestra; Dorothy Froest, mezzo-soprano; Robert Anderson, baritone.

LOW, Buenos Aires, Argentine, 300 meters, special musical program.

LOX, Buenos Aires, Argentine, 375 meters, special musical program.

EAJ13, Catalana, Barcelona, 460 meters, program from opera "la Geisha" by Jones; three numbers by Lehar, Count of Luxumberg; La Viuda Agegre by Eva.

2LO, London, England, 365 meters, Paul Specht's Canadian dance orchestra, from the "Kit Kit Club," rendering "If You Care," "Arraby," "Brown Eyes," "Pretending," "Yes, Sir, That's My Baby;" "Oh! Boy What a Girl;" "Melody in F," by Rubenstein, and "Indian Dawn."

OAX, Lima, Peru, 380 meters, "The Plebiscite of Tacna and Arica," short dissertation by Ing. Carlos Jiminez Correa; "Variations," light soprano, piano; "Quenas," native waltz, orchestra OAX; "Pearls of Brazil," soprano, piano; "Granada," Albeniz, orchestra OAX; legend, opera "Iris," Mascagni, orchestra; "Serenade of the Kisses," De Micheli, orchestra OAX; "Unhappy Love," vocal and piano; "May," orchestra OAX; "A Furtive Tear," tenor, Marcial Calonge, piano; "The Wood on the River, piano; "A fose lui," Traviata, vocal and piano; Srta. Valentina Olin, piano; Sra. Ayarza de Morales Solar; "Rusticanela," fox-trot, orchestra OAX.

Wednesday Evening, January 27

HA, "Norag," Hamburg, Germany, 292.5 meters, concert of Puccini numbers; Norag orchestra under direction of Adolph Secker, Arna Krell-Lang, singing arias from "Butterfly" and "Mimi."

HFF, "Vox Haus," Berlin, Germany, 505 meters, march; talk; songs; four Kreisler numbers by Max Rostal, violinist; two duet numbers; song; Straus waltz by orchestra.

EAJ7, Madrid, Spain, 373 meters, jazz band and tango orchestra.

——, **Breslau, Germany, 416** meters, violin solo, Dr. Alfred Laserstein; caprice for flute and piano, Herman Zanke; tarantella for cello, Curt Hasemann; duet for flute and violin with piano accompaniment.

——, **Prague, Czechoslovakia, 368** meters, musical program.

"Radio Wien," Vienna, Austria, 530 meters, chamber of music, Schonorunner waltz by Lanner; second symphony by Schubert; Turkish March by Mozart; Peer Gynt suite 1 by Grieg; bits from opera by Strauss.

LOW, Buenos Aires, Argentine Republic, 300 meters, musical program.

LOX, Buenos Aires, Argentine Republic, 375 meters, special musical program and entertainment.

Wednesday Evening, January 27

OAX, Lima, Peru, 380 meters, group of poems recited by their author; "Dance Granados," piano; "In the Cloister," or-

(Continued on page 9)

No More "B" Batteries on Your Radio

At last, a practical reliable "B" battery eliminator for your radio. Does away with "B" batteries; no charging; no replacing. Always 100% efficiency in "B" current. The most revolutionary development in radio.

Genuine Fansteel
Balkite "B" Eliminator
Sent for Only
$1.00 Down

U.S.PAT. MAY 27, 1924

The Balkite "B" is connected to your radio just like "B" batteries and attached to an ordinary electric light socket. Replaces "B" batteries entirely and furnishes "B" current direct from regular house lighting current. Always gives current equal to four new and fresh 22½ Volt dry "B" batteries. For sets of five tubes or less. Simplifies radio receiving. More convenient, more economical and more efficient than dry or wet "B" batteries. Operates storage battery or dry cell tubes and gives tubes longer life. Entirely noiseless. Creates no disturbance in reception. Has no bulbs, nothing to break, wear out, replace or get out of order. Requires no change in your set, no extras to buy. Operates from 110-120 AC, 60 cycle current. Measures 8 3-16 inches by 8 inches by 3¼ inches. Current costs only 1-20 of a cent per hour.

$5.00 a Month, if satisfied after trial

Only $1.00 with the coupon below brings the Balkite "B" to your home on trial. Try it out thoroughly before you pay another penny. See how it improves reception. See how much more convenient than using batteries. Judge for yourself how it will save you money and make your radio set more enjoyable. Then, if not satisfied, send it back at our expense and we'll refund your $1.00 plus all transportation charges. If you decide to keep the Balkite "B," start paying only $5.00 a month until you have paid the total price of only $35.00. That's the price others ask for spot cash. We give you the lowest cash price on easy monthly payments you will never feel.

Send Coupon

Don't miss this opportunity to get the genuine Balkite "B" at the rock-bottom cash price on easy monthly payments. Send coupon now while this offer lasts. **Order by No. Y-8578A, $1.00 with coupon; $5.00 a month; total price $35.00.**

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Enclosed find $1.00. Ship special advertised Balkite "B" Battery Eliminator. I am to have 30 days free trial. If I keep it, I will pay you $5.00 monthly. If not satisfied, I am to return it within 30 days and you are to refund my money and any express charges I paid.

Balkite "B" Battery Eliminator, No. Y8578A, $35.00

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WAHG Great Organists Series Continues

ONE OF the outstanding contributions to the popularity of the broadcasting art has been the "Grebe Great Organists" series, given through Station WAHG, the A. H. Grebe Co., at Richmond Hill, N. Y. This excellent series has introduced the Radio audience to the most able and talented organists of the nation. The photographs herewith are of the famous artists who will give organ recitals on the next six Friday evenings, from 8 to 9 p. m. Eastern time, beginning February 19.

Above, Dr. Palmer Christian, organist of University of Michigan, and noted composer, appears March 26. In small circle is Hugh Porter, Chautauqua Institution organist, and director of organ department of Mannes School of Music, who appears March 12. Harold Gleason (right), organist of the Eastman School of Music, broadcasts March 19.

Harry Rogers Pratt, (below), organist of the University of Virginia, broadcasts his recital Feb. 26.

In large circle in exact center of layout is shown John Priest, organist of the Colony theater, New York city. He was formerly organist at Oxford university, England. His date of appearance at WAHG is February 19. Louis Potter (above), organist of Baptist Temple, Charleston, W. Va., broadcasts March 5.

FINAL CONFIRMATIONS

(Continued from page 8)

chestra OAX; "Voices of Spring," by Strauss, sung by Elvira Sanchez, twelve-year-old soprano; "Sorrow," Indian song on primitive instrument; "Yaravi," "Zana," and "Marinera y Tondero," native airs, voice, guitar, piano, bandurria and cajon; "When the Soul Is Lulled to Sleep," tenor solo; "The Little Black Girl and the Shoe Polish," native popular song, orchestra; contemporary Peruvian poetry, recitation; "Little Princess," Spanish song, soprano; "The Little Peruvian Girl," two-step, orchestra OAX.

——, **Munich, Germany, 485** meters, Professor Georg Baumgartner rendering "Schuberg One Las Wandern," "Wichin," "Halt," "Danksagung an den Bach," "Am Feierabend, der Neugierige," "Morgengruss," "Des Muellers Blumen," "Tranenregen," "Der Mueller Und Der Bach," piano accompaniment; "Description of My Life as a Ship's Operator," talk.

Thursday Evening, January 28

HA, "Norag," Hamburg, Germany, 292.5 meters, Wagner concert, soloists, Ferdinand Schneider, Bernhard Jakschtat; Norag orchestra under direction of Adolph Secker.

HFF, Vox Haus, Berlin, Germany, 505 meters, overture, Mozart number; overture by orchestra; song, Wagner's "Lohengrin"; Straus "Danube Waltz" by Frinkstude orchestra.

LOX, Buenos Aires, Argentine, 375 meters, musical program and entertainment.

LOW, Buenos Aires, Argentine, 300 meters, special musical program.

"Radio Wien," Vienna, Austria, 530 meters, Silving band playing six numbers; Gold and Silver waltz by Lehar; "Fledermauss" overture by Strauss; Narcissus by Nevin; Liebestod and Liebesfreud by Kreisler; second Hungarian rhapsody by Liszt; Night in Vienna by Komsak.

——, **Stuttgart, Germany, 446** meters, selections from Wagner's "Meistersinger"; overture to "Leonoren"; Aria No. 3 by Beethoven; selections from Mozart's "The Magic Flute"; "Melody" by Gluck; song, "Land so Wunderbar" from Meyerbeer's "Die Afrikanerin"; overture and aira from Mozart's "Figaro"; overture from Weber's "Freischuetz"; song from Flotow's "Martha"; "Invitation to the Dance" by Weber; aria from Nicholai's "The Merry Wives of Windsor"; "Rosenkavalier" waltz by Strauss.

——, **Breslau, Germany, 416** meters, Allego Molto of Mendelsshon's violin concerto in E minor; caprico for flute and piano by Lothar Kemptner; tarentello for cello by David Opper; duet for flute and violin with piano accompaniment by Caesar Qui.

——, **Prague, Czechoslovakia, 368** meters, "Slavische Tanza," by Dvorak.

EAJ7, Madrid, Spain, 373 meters, concert artists Nino De Los Lobitos and Domino Marin, with station sextet and barrel organ; "Sextet Susprios de Espana," by Alvarez; "Am Alborada Gallega," by Veiga; "Lobitos Song," by Soleares, entitled "Granadinas," guitar accompaniment by Domino Marin; organ recital, "Pasodoble," Lobitos song by Dulerias and Caracoles, accompaniment by Domingo Marin, guitar; barrel organ schottische; Lobitos song by Guajiras and Fandanguillos, accompanied by Domingo Marin on guitar; sextet tango and Zapatiadode, entitled "Ensefianza Libre," by Gimenez, and "La Dolores Jota," by Breton.

MS, Muenster, Germany, 410 meters, "Hoch Heidecksburg March," by Herzer Rosen; "Aus Dem Suden Waltz," by Strauss, "Jones," from the operetta "Die Geisha," "O Tanz Du Kleine Geisha," "Goldschlied"; soloist, Lisa Hillow; "Waldteufel Ganz Allerliebst," "A Merry Medly Willy Wittig," "Fall Dollarprinzessin;" Casa songs, sung by Anton Himkamp, "Lacrima Christo," by Bohn; "In Der Waldschenke," by Simon; "Der Schimme Zecher," by Reissiger; Strauss Radetsky march.

OAX, Lima, Peru, 380 meters, "The Problem of Tacna and Arica After the Decision of President Coolidge," address; "Take the Ring I Gave You," soprano-tenor duet; "El Condor Pasa," prelude, Orchestra OAX; "Eight Variations on an Inca Theme," Rev. Father Paulo C. Aguilar; Sacred music by mixed chorus of three voices; Nocturne No. 3, Chopin, piano; "Lorelei," Orchestra OAX; "Prelude and Allegro," Pugnani-Kreisler, violin; "Sad Little Sister," tenor solo; "The Lima Today Which Likes Radio," talk; "She Is My Love," fox-trot, and hymns of Peru and the United States, Orchestra OAX.

——, **Munich, Germany, 485** meters, orchestral concert, overture to "Die Beiden Nusaren," by Doppler, and "Der Schonen Blauen Danau Waltz," Strauss; intermezzo from "One Thousand and One Nights," by Strauss; Kunstler-Leben Waltz," by Strauss; overture from "Die Schone Galathee," by Von Suppe; "Die Schoubrunner Waltz;" "Lanner Germania March," by Kral.

8SC, Glasgow, Scotland, 422 meters, program unconfirmed.

5PY, Plymouth, England, 338 meters, program unconfirmed.

5IT, Birmingham, England, 479 meters, program unconfirmed.

2EH, Edinburgh, Scotland, 324 meters, program unconfirmed.

Sport Broadcasts

Track Meet
Saturday, February 13

WOI, Ames, Iowa (270m-1110kc) Drake-Grinnell-Ames, 7:30 p. m., Central time.

Hockey
Tuesday, February 16

WBZ, Boston (333.1m-900kc) Boston Bruins-Pittsburgh, 8 p. m., Eastern time.

Wrestling
Friday, February 19

WOI, Ames (270m-1110kc) Oklahoma Aggies-Ames, 7:30 p. m., Central time.

Basketball Games
Saturday, February 13

WSUI, Iowa City (483.6m-620kc) Michigan-Iowa, 7:30 p. m., Central time.

WIP, Philadelphia (508.2m-590kc) University of Pennsylvania-West Point, 8:15 p. m., Central time.

Monday, February 15

KWSC, Pullman, Wash. (348.6m-860kc) University of Idaho-W. S. C., 7:30 p. m., Pacific time.

Tuesday, February 16

WNAD, Norman, Okla. (254m-1180kc), University of Oklahoma-Oklahoma A. & M. College (time to be announced).

WREO, Lansing, Mich. (285.5m-1050kc) Notre Dame-Michigan College, 8 p. m., Eastern time.

KFRU, Lawrence, Kan. (275m-1090kc) K. U.-Iowa State College, 7:30 p. m., Central time.

Friday, February 19

KWSC, Pullman, Wash. (348.6m-860kc) University of Washington-W. S. C., 7:30 p. m., Pacific time.

KUOM, Missoula, Mont. (244m-1230kc) Montana State College-University of Montana (no time given).

WKAR, East Lansing, Mich. (285.5m-1050kc) Michigan State College-Carnegie Tech., 8-9:15 p. m., Eastern time.

Germany Is 'Pipe' If You Know How

In Which Mr. Canaday Puts One Over on Mr. McCulloch, His Rival DX Friend

By S. J. Doss

FORT WAYNE, Ind.—There may be two more "bitter" Radio rivals in Fort Wayne than O. P. Canaday, of the Canaday Manufacturing company, and Robert McCulloch, assistant postmaster, but if there are they haven't come forward to be recognized.

Both are extremely proud of their respective sets and rivalry in tuning in on difficult stations to get is at a high pitch. Just now, Mr. Canaday is enjoying a good laugh at his friend's expense and "here's the how."

European test week naturally provided both fruitful ground. On one of the nights Mr. McCulloch received an invitation from his rival to "come over and hear Germany." "I've been getting it over my Radio." Mr. McCullouch was skeptical but willing to be convinced. Accordingly, he was on hand at the appointed hour. Mr. Canaday "tuned in on Stuttgart, Germany."

Music unmistakably Teutonic came clearly through the loud speaker and a moment later, Mr. McCulloch and other hearers present were informed in German as to the station and the next selection.

"Wonderful, not a bit of static," grudgingly admitted Mr. McCulloch, reaching for his hat and coat with the words and almost dashing out of the Canaday home in his anxiety to tune in on Stuttgart with his own set.

He didn't get it, however. The answer was:

In order to hoax his friend and rival, Mr. Canaday had arranged a small talking machine in the basement of his home and had attached his loud speaker to it by means of a rubber hose running through a cold air duct near the receiver. Three wax records in German comprised the "foreign station's program" and Dr Walter Kruse, local German-speaking physician and accomplice in the hoax, played the part of the "German announcer."

A new insignia for United States naval Radio electricians, until recently classified as gunners Radio, in the form of "a jagged spark," has been adopted for uniform wear.

STOP Bloops and Human Static!

ARE You a Blooper and if so, Why? The Foreign Tests Showed the Evil of Blooping. You Can Prevent It Easily and Simply. This Article Tells How.

By the TECHNICAL STAFF

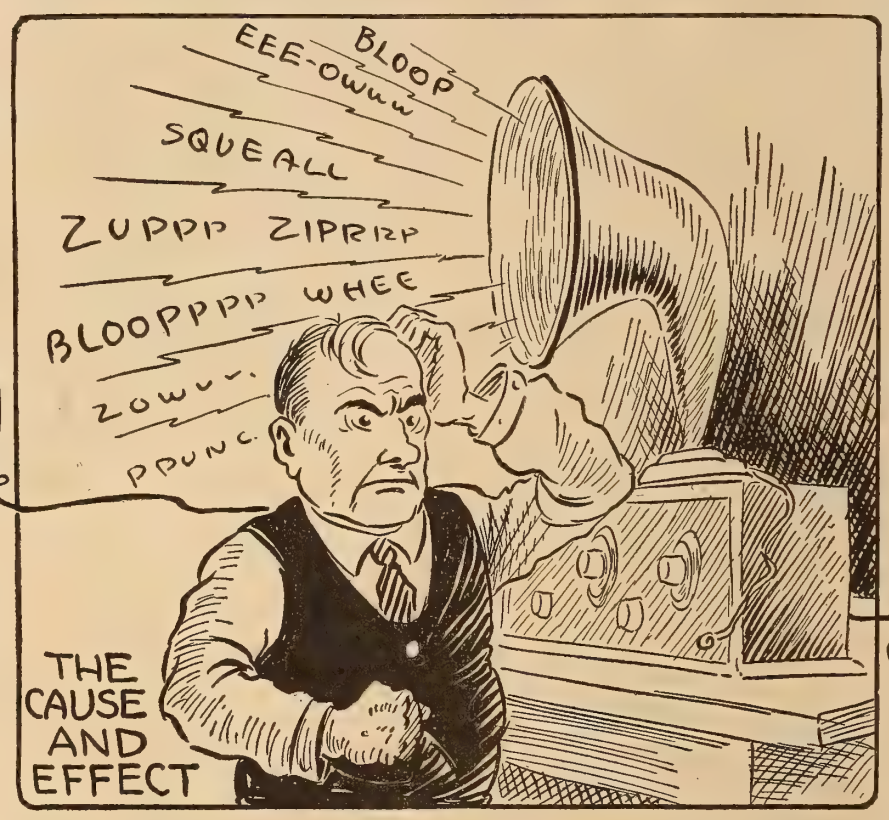
THE hour was that which occurs in every 24 known as 10 to 11 p. m. Central time. The day was the 26th of January—this year. Somewhere out in the darkness to the Eastward a score of European stations were shattering distance and atomic quiet with all the power available from great dynamos and acres of storage batteries, in the hope that some small part of their great power might reach American shores in the form of enjoyable entertainment. The tubes of three carefully adjusted super-heterodynes glowed dimly in the quiet of the laboratory. Each was attached to an antenna and the dials went relentlessly back and forth in patient search of fragments of the music and speech speeding Westward.

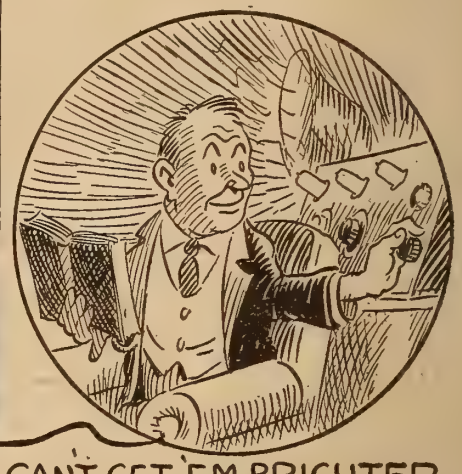
"Bloop, bloop, whur-r-r click, click, bloop," said the big special with the neutralized, honeycomb intermediates.

"Whistle, whistle, crash, bloop, bang and a coupla bongs," answered the shorter but fatter special with the resistance coupled intermediates.

The third, not to be outdone, retaliated with a siren whistle that started high, went down to a grumble and again soared to a piercing screech. Suddenly the big special landed on an orchestra. For a moment the melody poured forth, clear and pure with but a slight background of the ever present static. Then it died, with the grumble of a nearby blooper as its swan song. The search went on. At 200 meters, at 350, at 425, at 500, always the chorus of whistles, bloops, grumbles and clicks. Occasionally, the hum of vibrator or violet ray machine varied the monotony. One more snatch of music, one announcement was all the reward for the hours of building, the hours of search. Reports that trickled in during the rest of the week indicated that such was the result of the International tests for about 2,000,000 other set owners.

THE RACING DIALS





CAN'T GET 'EM BRIGHTER

Who Is to Blame?

Many were the invectives used to comment on the condition of the atmosphere. New words were coined to properly express disappointment and chagrin. The older words were run to death. All of which has lead to much speculation and argument on one technical staff as to who is to blame. Let's first take the stations. Surely, no one can logically lay the finger of blame on them; the Americans were quiet at the times requested, the Europeans and South Americans were on their waves and not heterodyning. Second, there are the makers of sets. You cannot blame them. The Radio public wants range, coast to coast reception and dance volume on everything from KFI to WEAF. To even approach such needs, regeneration must be possible on from one to three tubes. You people wanted it, you got it.

A recent survey made by the Department of Marine and Fisheries of Canada relative to Radio broadcast conditions in the more populated centers in the Dominion indicates that approximately fifty per cent of the "preventable interference" which prevails is caused through the incorrect operation of regenerative receiving sets by the broadcast listeners themselves. An article prepared by Mr. Andrew J. Allen, secretary of the National Broadcast Listeners' league, states that the most difficult sources of interference to overcome, and which create as much annoying and widespread interference to Radio reception in all cities at this time as any other cause, are the squeals, whines, whistles, squawks and howls of the radiating receivers.

"If the broadcast listeners would take effective steps to put a stop to the squealing of regenerative sets, probably 25 per cent of Radio interference would be removed in many localities," says the Interference Co-ordination committee's report of the National Electric Light association. On this subject, Radio Guide states, "Apparently every one cooperates except the Radio listeners themselves, just the people one would think would try the hardest to behave. Regenerative sets still hold all records for interference and practically every magazine and newspaper in the country has run articles warning about such outfits. Radio etiquette among broadcast listeners calls for the elimination of such interference. If each listener would remember that every time his set whistles coincidental with his tuning of it, he is sending out that same whistle to annoy all other listeners for a considerable area, it is believed that much of the trouble would soon be eliminated."

So there you are; no matter what agency investigates the complaints of the Radio public as to squeals and howls during International Test week, or any other time, the blame comes right back to the aforementioned Radio public's own door. Part of this interference is due to ignorance; much of it is wilful and in disregard of the rights of others. Do YOU know what causes squeals? Do YOU know what oscillation is? Do YOU know what regeneration is? If you do not, and you'd like to, so you can do your bit toward making the world safe for a self-respecting Radio set to operate in, then read on.

Principle of Regeneration

The principle of regeneration, as used in Radio receiving sets, is that part of the output of the detector, or a radio frequency amplifier, tube which feeds back into its own input and thus greatly increases the volume of the signal. The electric waves reaching the receiving set from the transmitting (broadcasting) station travel down the aerial and its lead-in, through the first coil in the set and so to earth through the ground wire. The energy set up in this first coil is transferred, either directly or by induction, into the grid of the first tube and influences it in such a way as to set it functioning.

The resulting output from the plate circuit of this tube is fed back in such a manner as to set up a "field" or influence, in the part of the circuit connected, as mentioned above, to the input or grid of the tube. This "field" induces in the input circuit a current of electricity of the same frequency as that of the received electric waves. The energy, therefore, which comes down the antenna wire is automatically strengthened by impulses from the output of the tube.

Unless properly controlled, this action will continue to build up until the saturation point or climax is reached, the tube being then said to be in a state of oscillation. When a receiving set is in oscillation, it causes howling and squealing in your own and your neighbor's receiving sets. Regeneration should therefore never be allowed to proceed to this point as it then constitutes a public nuisance.

Your Set Can Oscillate

You may be one of hundreds of thousands who can say, "But, my set is not a single circuit regenerative receiver. Mine is a five tube, so made that it cannot oscillate." That may be perfectly true, but if your set has tubes, anywhere from one to ten, it can cause interference. That may upset all your ideas on the subject; it may not agree with statements you've seen elsewhere, but it CAN cause interference. This brings us to the point that whether your set is to be classed as a "blooper" depends upon the amount of the interference. So far in this article one would gather that interference is caused only when the set breaks into oscillation, to be recognized by the yowl in one's own set. That is the extreme; any tube set radiates, causing interference, when the regeneration is advanced to the point where distortion creeps in.

Some sets are supposedly "balanced" or neutralized so that high amplification can be had in the radio frequency amplifier tubes without the possibility of oscillation. Such construction is designed to set up a reverse feeding back around the radio frequency stages so that any regenerative feeding back will be offset and cannot build up into the condition known as oscillation. That is all very well at the particular wavelength at which the neutralizing was carried out but the further away in the broadcasting wavelength band that one gets, the greater the regeneration, and in most cases this closely approaches actual oscillation. These sets certainly can and do radiate.

Can "Bloop" 1,000 Miles

You and many others may question the extent to which such radiation interferes with others. It is this which determines whether one is a blooper or not. A lighthouse keeper in New York harbor, who is located several miles from shore, finds that his only form of interference is caused by whistling receivers whose interference must travel at least five miles to enable him to hear it. In another case an amateur is reported to have experimented with such a device and was actually able to exchange signals with another station over a distance of five miles with only a WD-11 tube used as a detector. An oscillatory circuit can be built around a 199-tube, with only 140 volts B battery, and transmission accomplished, at times, over 1,000 miles.

In Cleveland two tests were conducted under joint auspices of the Cleveland Plain-Dealer and the Cleveland Radio association, to determine the extent of the area affected by oscillating Radio receivers. In one of these tests the oscillating set was heard clearly within a radius of 50 miles. An interesting incident is contained in Mr. A. J. Allen's article, mentioned before. "I was trying to locate a neighborhood blooper which was a source

(Continued on page 24)

PLEDGE CARD

Radio Digest PROGRAMS Illustrated

Reg. U. S. Pat. Off. & Dom. of Canada

I WON'T BLOOP CLUB

I pledge myself to operate my Radio set to reduce radiation or blooping. If I am unable to make my present set operate properly, I further pledge myself to replace it with a receiver that will create less interference.

Make of my set:

Number of tubes is:

Signature .....

Address .....

City and State.....

I am cooperating in this campaign with Station.....

Upon mailing this pledge to Radio Digest, "I Won't Bloop Club" membership card suitable for wallet or framing will be issued.

OYSTER DISHES ARE STRICTLY AMERICAN

BETTY CROCKER PRESENTS WAYS OF PREPARING

Food Expert Says We Should Perfect National Cookery Like People of Other Lands

Have you heard, and do you regularly listen for Betty Crocker's Radio talks? Miss Crocker is nationally known as a home food specialist who is broadcasting from a dozen of the country's largest stations. By special arrangement Radio Digest has secured a series of exclusive articles by Miss Crocker dealing with her current Radio talks. These broadcasts are made through WEEI, WEAF, WCAE, WGR, WEAR, WWJ, WDAF, WJAR, WHT, WFI, KSD, KFI, and WCCO, the Gold Medal station at Minneapolis-St. Paul. All of Miss Crocker's recipes and discussions are based upon actual investigations and work of herself and her assistants in model kitchens.—Editor's Note.

By Betty Crocker

WE IN the United States are constantly talking about the famous old German dishes, the roast beef of old England, Italian spaghetti, and the wonderful French sauces and pastry. I wonder how many of you realize that we have some very fine culinary productions that are distinctly American. If we would be 100 per cent American we should at least know the dishes for which our land is famous, and furthermore, we should endeavor to perfect our national cookery so that we can point to it with pride, as do the people of these other lands.

Oysters are distinctly American, largely due no doubt to the fact that we have such an enormous production in this country. Oyster stew, oyster cocktail, and oysters on the half shell, are no doubt the most popular oyster dishes.

Various Kinds of Oysters

This is the season when oysters are best, and so we should use them often. Any seasonable food is not only cheaper when in season, but is also much better in flavor than at any other time. For that reason it is always wise to use such food in its natural season as much as possible.

I wonder if you know that oysters come in different sizes. At large markets you may find as many as five sizes, and they usually vary in price, according to size. In smaller towns the dealers may carry only one size or grade. Local dealers sometimes use different terms to specify these different grades, but they are commonly called "standard," "extra standard" and "select." The small oysters are more tender and have a better flavor than the large ones, and are also more convenient to eat raw. The large oysters are good for frying. If you have any choice it will pay you to buy the size that is best for the particular use you wish to make of it.

Famous Oyster Stew

Oyster stew is especially good because it is so hot and stimulating. The combination of the oysters with milk and butter gives us a very wholesome and appetizing dish. There is nothing more welcome than a piping hot oyster stew after a sleigh ride, skating party, or a long automobile ride.

There is oyster stew, and then again

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"MISS KITTY" GIVES RECIPES FROM WMC

"Miss Kitty," otherwise Katherine Nelson, of WMC, Memphis, is making a furor in the Southlands with her Monday and Thursday morning home economics discussions. Eighteen years of experience are behind this pretty domestic science specialist, although she doesn't look that old, and her rapidly growing audience which tunes in her 9:50 a. m. talk twice each week speaks well for her knowledge.

Daily Women's Program Popular KFNF Feature

Afternoon Talks and Golden Rule Circle Winning Friends

SHENANDOAH, Iowa.—Although the Henry Field Seed company station, KFNF, here is regarded as the most popular farmers' station of America, its feminine friends are legion and the number is rapidly increasing. Every afternoon from 3 to 4 p. m., Central time, the program is known as the ladies' hour and features songs and talks of interest to housewives, with the musical numbers being mostly in answer to requests.

Every Wednesday afternoon a special talk on flowers is given by Mrs. Helen Fisher, sister of Mr. Field. Mrs. Fisher is a garden specialist and is capable of giving explanations and hints regarding the care of flowers.

Another feature of the station which the women have been especially interested in, is the Golden Rule Radio circle, which is an informal union of people who write in to the station that they are trying to live according to the Golden Rule. A certificate of membership is issued as an incentive to live such a life.

Woman Champ Set Builder

KANSAS CITY, Mo.—Mrs. J. R. Garrison, 1002 East Thirty-third street, here, has become a strong contender for honors among amateur set makers. She has just recently won second prize in a receiver building contest in the five and six-tube class. Mrs. Garrison's entry in the contest was a six-tube Bremer-Tully counterphase, and last year she constructed a five-tube set.

SHORT WAVES

By Marcella

Now, what ever prompted you, Ellen, to believe that "Tom Thumb" and Peter MacArthur, both of WOC, Davenport, are one and the same? Yes, the voices are very, very similar. But then, Mr. Twamley, the studio director of the Palmer station, asked me not to divulge "Tom Thumb's" identity—it's a mystery, you see. So a mystery it must remain.

* *

"Bill" W. G. Hay, ex-KFKX and ex-WOK, is now doing a full turn on WGN and WLIB. The Tribune tells me he is so popular they had to put special heavy railings in the studio to keep the ladies away. But why run after him? He's not a ladies' man. He's a Scoo-ootchman and his beloved is his bonnie wife (whose lemon fluff pies I reported on previously). But you can't help liking him, can you?

* *

Graham McNamee doesn't sing over the Radio to my knowledge, but I have written him just to be sure. Will let you know soon.

* *

E. L. Tyson is all wrought up over what I said about him recently. He says his wife will call me to account to explain why I said he was probably single. Well, the charming WWJ announcer didn't tell me whether he was matrimonially zero or not, and he didn't have that worried look, so I just thought he must be single—just like I am. But now the truth comes out.

* *

Speaking of benedicts, girl friends, here's another one to cross off the mash note list. To wit, one CBL, or C. B. Locke, announcer for WBAP, the Hired Hand-Star Telegram station at Fort Worth, Texas. Why he's so married, he has a brand new C. B. Jr., and the younger chip off the old block is broadcasting all night, thus getting in training to take over his daddy's job later on.

* *

Continuing along the popular WBAP strain, for the boy chums this time, let me tell you sheiks about a dandy, fine girl you must tune in. She's known at Fort Worth as the "Sunflower Girl from Kansas" and her home is Kansas City, Mo. Real name? It's Bessie Coldiron, but don't shy away from her harsh par-

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WOMEN'S PROGRAMS INDEX

Saturday, February 13

Eastern	Central	Mountain	Pacific
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.

WWJ (352.7m-850kc) Tonight's dinner.
11 10 9 8
WEAR (389.4m-770kc) Home service talk.
WHT (399.8m-750kc) Women's club, Jean Sargent.
12 n. 11 10 9
WGN (302.8m-990kc) Household hints.
WQJ (447.5m-670kc) "Character Analysis," F. E. Ormsby.
1 p. m. 12 n. 11 10
KMA (252m-1190kc) Domestic science topics.
12:30 11:30 10:30 9:30
WGN (302.8m-990kc) Discussion of fashions.
12:35 11:35 10:35 9:35
KYW (535.4m-560kc) Table talk.
4 3 2 1
KJR (384.4m-780kc) Tonight's dinner.

Monday, February 15

Eastern	Central	Mountain	Pacific
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.

WWJ (352.7m-850kc) Tonight's dinner.
10 9 8 7
WJZ (454.3m-660kc) Women's hour.
WRC (468.5m-640kc) Women's hour.
10:45 9:45 8:45 7:45
WEAF (491.5m-610kc) Home service talk, Betty Crocker.
WFI (394.5m-760kc) Gold Medal talk, Betty Crocker.
WTAG (268m-1120kc) Talk, Marjorie Woodman, nurse.
11 10 9 8
WEAR (389.4m-770kc) Home service talk.
WHT (399.8m-750kc) Women's club, Jean Sargent.
WNYC (526m-570kc) Women's program.
11:15 10:15 9:15 8:15
WTIC (475.9m-630kc) "Interior Decorating," Mrs. C. Barstow.
11:30 10:30 9:30 8:30
KFAB (370.7m-880kc "Why Girls Enjoy Clothing Clubs," Mary Borreson.
WTIC (475.9m-630kc Housewife's forum.
11:45 10:45 9:45 8:45
WCCO (416.4m-720kc) "For the Jam Pot," Betty Crocker.
WDAF (365.6m-820kc) "For the Jam Pot," Betty Crocker.
WHT (399.8m-750kc) Home Service talk, Betty Crocker.
12 11 10 9
WGN (302.8m-990kc) Household hints.
WQJ (447.5m-670c) "Baikng Talk," Cleve Carney. Starches the Tropics Send You," Maude B. Jacobs.
12:15 11:15 10:15 9:15
KYW (535.4m-560kc) Talk.
12:30 11:30 10:30 9:30
WEBH (370.2m-810kc) Fashion and Household talks.
12:35 p. m. 11:35 10:35 9:35
KYW (535.4m-560kc) Table talk.
2:30 1:30 p. m. 12:30 p. m. 11:30
KFNF (263m-1140kc) Mothers' hour.
WGY (379.5m-790kc) Cooking lesson; Household talks. "Simple Toys and Handwork for the Child Under Six," Pauline Parke.
3 2 1 12 n.
WCCO (416.4m-720kc) Women's hour.
WSOE (246m-1220kc) Cooking chats.
4 3 2 1 p. m.
WIP (508.2m-590kc) Market hints for housewives.
WOC (483.6m-620ko) Home Management schedule, Aunt Jane.
WQJ (447.5m-670kc) "Making Fritters," Helen Downing; "Chinese Fantastics," Thomas Steeg; "The Care of the Skin and Hair," Madame Huntingford.
5 p. m. 4 p. m. 3 p. m. 2 p. m.
KJR (384.4m-780kc) Home helps.
7:15 p. m. 6:15 p. m. 5:15 p. m. 4:15 p. m.
WKAR (285.5m-1000kc) "Improvised Equipment for Large Quantity Cookery," Elizabeth Bemis.
7:30 6:30 5:30 4:30
WKAR (285.5m-1000kc) "Hints on Selecting Domestic Floor Coverings," Winifred Gettemy.
7:45 6:45 5:45 4:45
WKAR (285.5m-1000kc) "Foods to Serve for 100 People," Louise Clemens.

Tuesday, February 16

Eastern	Central	Mountain	Pacific
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.

WWJ (352.7m-850kc) Tonight's dinner.
10 9 8 7
KDKA (309.1m-970kc) Domestic Science. Arts for the Housewife.
WIP (508.2m-590kc) Menu, Anna Scott.
WJZ (454.3m-660kc) Women's hour.
WRC (468.5m-640kc) Women's hour.
10:45 9:45 8:45 7:45
WTAG (268m-1120kc) Talks to Mothers, Rosebelle Jacobus.
11 10 9 8
WEAR (389.4m-770kc) Home service talk.
WHT (399.8m-750kc) Women's club, Jean Sargent.
WMCA (340.7m-880kc) Home makers' hour.
11:35 10:35 9:35 8:35
WOI (270m-1110kc) "What Every Woman Wants to Know," Misses Miller and Friant. "Still Some Questions," Winifred Tilden.
12 n. 11 10 9
WGN (302.8m-990kc) Household hints.
WQJ (447.5m-670kc) "How to Select a Becoming Hat," Mrs. Lillian Russell.
12:30 11:30 10:30 9:30
WEBH (370.2m-810kc) Fashion and Household talks.
12:35 p. m. 11:35 10:35 9:35
KYW (535.4m-560kc) Table talk.
1 12 noon 11 10
KPO (428.3m-700kc) Domestic science talk.
4 3 p. m. 2 p. m. 1 p. m.
WIP (508.2m-590kc) Menu talk.
WOC (483.6m-620kc) Home Management schedule.
WQJ (447.5m-670kc) "Cookies Every Week," Helen Downing; "Suggestions for a George Washington Party," Julia Deal.
4:30 3:30 2:30 1:30
WLIT (394.5m-760kc) Household helps and hints.
5 4 3 2
KJR (384.4m-780kc) Home helps.
5:30 4:30 3:30 2:30
KOA (322.4m-930kc) Housewives matinee.
6 5 4 3
KOA (322.4m-930kc) Culinary hints, Clara Hoover.
6:15 5:15 4:15 3:15
KOA (322.4m-930kc) Fashion review, Sally Dee.
7 6 5 4
KFOA (454.3m-660kc) Today's recipe.
8 7 6 5
WPG (299.8m-1006kc) Fashion Flashes.
8:30 7:30 6:30 5:30
KGO (361.2m-830kc) As a Woman Thinketh.

Wednesday, February 17

Eastern	Central	Mountain	Pacific
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.

WWJ (352.7m-850kc) Tonight's dinner.
10 9 8 7
WIP (508.2m-590kc) Menu.
WJZ (454.3m-660kc) Women's hour.
WRC (468.5m-640kc) Women's hour.
10:45 9:45 8:45 7:45
WEAF (491.5m-610kc) Home service talk, Betty Crocker.
WFI (394.5m-760kc) Gold Medal Service talk, Betty Crocker.
WTAG (268m-1120kc) Talk to Housewives, Mrs. Lydia Flanders.
11 a. m. 10 a. m. 9 a. m. 8 a.m.
WHT (399.8m-750kc) Women's club, Jean Sargent.
WNYC (526m-570kc) Women's program.
11:30 a. m. 10:30 a. m. 9:30 a. m. 8:30 a. m.
KFAB (340.7m-880kc) Spring Tonics.
11:45 10:45 9:45 8:45
WCCO (416.4m-720kc) "American Foods Served American Style," Betty Crocker.
WDAF (365.6m-820kc) "American Foods Served American Style," Betty Crocker.
WHT (399.8m-750kc) Home Service talk, Betty Crocker.
12 n. 11 10 9
WGN (302.8m-990kc) Household hints.
WQJ (447.5m-670kc) "Child Welfare," Dr. Lena Sadler.
12:30 p. m. 11:30 10:30 9:30
WEBH (370.2m-810kc) Fashion and Household Talks.
WGN (302.8m-990kc) Discussion of fashions.
12:35 11:35 10:35 9:35
KYW (535.4m-560kc) Table talk.
1 12 n. 11 10
KPO (428.3m-700kc) Sewing talk.
3 2 1 12 n.
WCCO (416.4m-720kc) Woman's hour. "Social Facts and the Indeterminate Sentence," Dr. Smiley Blanton.
4 3 p. m. 2 p. m. 1 p. m.
WLW (422.3m-710kc) Cooking school.
WOC (483.6m-620kc) Home Management schedule, Aunt Jane.
WQJ (447.5m-670kc) "Muffins That Are Popular," Helen Downing; "Foods Fasts Versus Fads," Kean K. Rich.
4:30 3:30 2:30 1:30
KFNF (263m-1140kc) Flower talk.
5 4 3 2
WMAQ (477.5m-670kc) Recipes.
7 6 5 4
KFOA (454.3m-660kc) Today's recipes.
KLX (508.2m-590kc) Women's hour.
KMA (252m-1190kc) Domestic science talk.
10:30 9:30 8:30 7:30
KOAC (280.2m-1070kc) "Renovation of Hats," Gladys Peterson. "Exercises for Reducing," Doris M. Thornely.

Thursday, February 18

Eastern	Central	Mountain	Pacific
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.

WWJ (352.7m-850kc) Tonight's dinner.
10 9 8 7
WIP (508.2m-590kc) Menu talk.
WJZ (454.3m-660kc) Women's hour.
WRC (468.5m-640kc) Women's hour.
10:45 9:45 8:45 7:45
WTAG (268m-1120kc) Talk, Marjorie Woodman, nurse.
11 10 9 8
WEAF (491.5m-610kc) Talks. Cookery lecture.
WEAR (389.4m-770kc) Home service talk.
WHT (399.8m-750kc) Women's club, Jean Sargent.
11:35 10:35 9:35 8:35
WOI (270m-1110kc) "George Washington Party," Miss Kelly; "What Refreshments Will We Have," Mrs. Minert.
12 n. 11 10 9
WGN (302.8m-990kc) Household hints.
WQJ (477.5m-670kc) "Cheese Offers Variety for Lenten Meals," Erna Bertrams.
12:30 11:30 10:30 9:30
WEBH (370.2m-810kc) Household and Fashion Talks.
12:35 p. m. 11:35 10:35 9:35
KYW (535.4m-560kc) Table talks.
1 12 n. 11 10
KPO (428.3m-700kc) Domestic science.
2 1 p. m. 12 n. 11
WGY (379.5m-790kc) "Stories for Children Under Six," Marjorie Cutler.
4 3 2 p. m. 1 p. m.
WOC (483.6m-620kc) Home Management schedule. Aunt Jane.
WQJ (447.5m-670ko) "Invite Your Neighbors to Afternoon Tea," Helen Downing; "Care of the Feet," Dr. Frank Furch; Golf lesson, Ralph Thorn.
5 p. m. 4 p. m. 3 p. m. 2 p. m.
KFOA (454.3m-660kc) Home helps.
KSD (545.1m-550kc) Women's hour.
5:30 p. m. 4:30 p. m. 3:30 p. m. 2:30 p. m.
KOA (322.4m-930kc) Housewives' matinee.
6 5 4 3
KOA (322.4m-930kc) Culinary hints, Clara Hoover.
6:15 5:15 4:15 3:15
KOA (322.4m-930kc) Fashion review, Sally Dee.
7 6 5 4
KFOA (454.3m-660kc) Today's recipe.
8 7 6 5
KFKU (275m-1090kc) Why Study Design.
KFMQ (299.8m-1000kc) "How Do Children Get Their Food Habits?" Emma Johnson; "Poetry for Children," E. Prunell Wilson.
8:15 7:15 6:15 5:15
KSAC (340.7m-880kc) "The Family Budget," Lucile O. Rust; "Food After Forty," Pearle Ruby.

Friday, February 19

Eastern	Central	Mountain	Pacific
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.

WWJ (352.7m-850kc) Tonight's dinner.
10 9 8 7
KDKA (309.1m-970kc) Domestic science and Arts for the Housewife.
WJZ (454.3m-640kc) Women's hour.
WRC (468.5m-640kc) Women's hour.
10:45 9:45 8:45 7:45
WTAG (268m-1120kc) Food hints, Mildred Thomas.
11 10 9 8
WHT (399.8m-750kc) Women's hour, Jean Sargent.
WTIC (475.9m-630kc) "Dental Hygiene for the Pre-School Child," Dr. C. R. Salmons.
11:30 10:30 9:30 8:30
KFAB (340.7m-880kc) "Good Manners Eventually —Why Not Now?" Mrs. True Colbert.
WTIC (475.9m-630kc) Housewives' forum.
11:45 10:45 9:45 8:45
WCCO (416.4m-720kc) "Gold Medal Foods That Satisfy," Betty Crocker.
WDAF (365.6m-820kc) "Gold Meal Foods That Satisfy," Betty Crocker.
WEAR (389.4m-770kc) Home service talk.
12 n. 11 10 9
WGN (302.8m-990kc) Household hints.
WQJ (447.5m-670kc) Sunday Dinner Menu, Ted Wilmes.
12:30 p. m. 11:30 10:30 9:30
WEBH (370.2m-810kc) Household and fashion talks.
WGN (302.8m-990kc) Discussion of fashions.
12:35 11:35 10:35 9:35
KYW (535.4m-560kc) Table talk.
1:45 12:45 11:45 10:45
WOAW (526m-570kc) Sunshine Sunday dinner menu.
3 2 p. m. 1 p. m. 12 n.
WCCO (416.4m-720kc) Women's hour.
4 3 2 1
WOC (483.6m-620kc) Home Management, Aunt Jane.
WQJ (447.5m-670kc) "Egg Dishes," Helen Downing; "Lunches for Lunchers," Mary Hale Martin.
4:30 3:30 2:30 1:30
WFAA (475.9m-630kc) Homemakers program.
WMAQ (447.5m-670kc) Foibles of the Moment.
5 4 3 2
KJR (384.4m-780kc) Home helps.
KYW (535.4m-560kc) Woman's hour.
5:15 4:15 3:15 2:15
WMAQ (477.5m-670kc)
5:30 4:30 3:30 2:30
KOA (322.4m-930kc) Housewives matinee.
6 5 4 3
KOA (322.4m-930kc) Culinary hints.
6:15 5:15 4:15 3:15
KOA (322.4m-930kc) Fashion review.

AN EVENING AT HOME WITH THE LISTENER IN
IN CENTRAL TIME

Call	Location	Met.	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday
AT9	Fort Bragg, N. C.	435	Silent	5:00- 6:00	Silent	Silent	Silent	7:00- 8:55	Silent
CFCA	Toronto, Ont.	356.9	Silent	6:00- 8:00	5:45- 6:45	Silent	6:00-11:00	Silent	Silent
CFCN	Calgary, Alta.	434.5	11:00- 1:00	Silent	Silent	Silent	Silent	9:00-10:00	Silent
CJCA	Edmonton, Can.	516.9	10:00-12:00	8:30- 9:30	8:30-10:30	8:30- 9:00	7:00- 9:00	10:00-12:00	9:00-12:00
CKAC	Montreal, Que.	410.7	6:00-10:30	1:45- 2:45	Silent	6:00-10:30	Silent	6:30- 8:30	Silent
CKNC	Toronto, Ont.	356.9	7:00- 9:00	Silent	7:00-10:00	Silent	Silent	Silent	Silent
CKY	Winnipeg, Man.	384.4	8:00-11:00	7:00-10:00	8:00-12:00	Silent	7:30-11:00	8:30-11:00	Silent
CNRO	Ottawa, Ont.	434.5	7:30-12:30	Silent	Silent	Silent	7:30-12:30	Silent	Silent
CYL	Mexico City, Mex.	480	Silent	9:24-10:54	Silent	9:24-10:54	Silent	Silent	9:24-10:54
CZE	Mexico City, Mex.	350	8:24- 9:24	Silent	8:24- 9:24	8:24- 9:24	8:24- 9:24	8:24- 9:24	8:24- 9:24
KDKA	Pittsburgh, Pa.	309.1	5:30- 8:55	3:00- 7:45	5:30- 8:55	5:30-11:35	5:30- 8:55	5:30-11:00	5:30- 8:55
KFAB	Lincoln, Nebr.	340.7	5:30- 9:30	4:00-11:00	5:30-10:30	5:30-10:30	5:30-10:30	Silent	5:30-10:30
KFDM	Beaumont, Texas	315.6	Silent	8:00- 9:00	Silent	8:00-10:30	Silent	Silent	8:00-10:30
KFI	Los Angeles, Calif.	467	8:00- 5:00	6:00- 1:00	8:00- 1:00	8:00- 1:00	8:00- 1:00	8:00- 1:00	8:00- 1:00
KFJF	Okla. City, Okla.	261	6:30-10:45	2:30-11:45	6:30-10:45	6:30- 7:30	6:30-12:00	6:30-10:45	6:30-10:45
KFKX	Hastings, Nebr.	288.3	5:30- 6:30	Silent	9:00-11:00	5:30- 6:30	9:00-11:00	7:00- 8:00	9:00-11:00
KFMQ	Fayetteville, Ark.	299.8	Silent	Silent	7:30- 8:30	8:00- 9:00	Silent	8:00- 9:00	Silent
KFMX	Northfield, Minn.	336.9	Silent	7:00- 8:00	Silent	9:30-10:00	9:00-10:00	Silent	10:00-11:00
KFNF	Shenandoah, Ia.	263	7:00- 9:00	7:30- 8:30	7:00- 9:00	7:00- 9:00	7:00- 9:00	7:00- 9:00	7:00- 9:00
KFOA	Seattle, Wash.	454.3	10:30- 1:30	Silent	8:45-12:00	10:30-12:00	8:45-12:00	Silent	8:45- 1:30
KFRU	Columbia, Mo.	499.7	Silent	7:30- 8:30	6:15- 7:15	6:15- 7:15	9:00-11:00	6:15- 7:15	12:00- 2:00
KFUO	St. Louis, Mo.	545.1	Silent	4:00-10:15	8:00- 9:00	Silent	9:15-10:15	Silent	Silent
KFVE	Univ'ty City, Mo.	240	9:15-10:15	Silent	9:15-10:15	9:15-10:15	9:15-10:15	Silent	9:15-10:15
KFWB	Hollywood, Calif.	252	9:45- 2:00	11:00- 1:00	9:00- 2:00	9:00- 2:00	9:00- 2:00	9:00- 2:00	9:00- 2:00
KFXF	Colorado Springs,	250	8:00-10:00	6:30- 8:00	7:30- 9:30	7:30- 9:30	Silent	8:00-10:00	Silent
KGO	Oakland, Calif.	361.2	10:30- 2:00	5:30-11:30	8:00-12:00	8:00- 1:00	8:00- 9:00	10:00- 1:00	8:00- 9:00
KGW	Portland, Ore.	491.5	8:00- 2:00	9:25-12:00	8:00-11:00	8:00- 2:00	8:00- 1:00	8:00-10:00	11:00-12:30
KHJ	Los Angeles, Calif.	405.2	8:00- 1:00	8:30-12:00	Silent	8:30- 1:00	8:00- 1:00	8:00- 3:00	8:00- 1:00
KIAF	Sihtipok, Minn.	421	Silent	4:00- 5:00	9:00-10:00	Silent	9:00-10:00	Silent	9:00-10:00
KJR	Seattle, Wash.	384.4	10:30-12:00	9:15-11:00	9:00- 1:00	10:30-12:00	9:00-12:00	10:30- 2:00	10:30- 1:00
KLDS	Independence, Mo.	440.9	8:00- 9:00	6:30-10:00	Silent	8:00-11:59	Silent	8:00- 9:00	Silent
KLX	Oakland, Calif.	508.2	Silent	Silent	6:00-12:30	Silent	6:00-12:00	Silent	6:00-12:30
KMA	Shenandoah, Ia.	252	6:00-11:00	4:00- 6:00	6:00-11:00	6:00-11:00	6:00-11:00	6:00-11:00	6:00-11:00
KNX	Hollywood, Calif.	336.9	8:15- 4:00	4:00-12:30	8:15- 2:00	8:15- 2:00	8:15- 1:00	8:15- 1:00	8:15- 2:00
KOA	Denver, Colo.	322.4	10:00-12:00	4:00- 9:45	7:30-11:30	7:30- 9:30	7:30- 1:00	7:30- 8:30	7:30-10:00
KOB	State College, N.M.	348.6	Silent	Silent	8:30- 9:30	Silent	Silent	Silent	8:30- 9:30
KOIL	Council Bluffs, Ia.	278	7:00- 3:00	7:00-12:00	6:00-12:00	6:00-12:00	6:00- 7:15	6:00-12:00	7:00-12:00
KPO	San Francisco, Cal.	428.3	8:35- 2:00	7:00- 1:00	8:40- 1:00	8:15- 1:00	8:15- 1:00	8:15- 1:00	8:30- 1:00
KPRC	Houston, Texas	296.9	7:30-12:00	7:30-10:30	7:30-10:00	7:30- 9:30	7:30-12:00	7:30-12:00	Silent
KPSN	Pasadena, Cal.	315.6	10:00-12:00	8:45-10:45	Silent	10:00-11:30	Silent	10:00-11:00	Silent
KSD	St. Louis, Mo.	545.1	7:00-10:00	6:15- 9:15	7:00-12:00	6:55-10:00	7:00- 9:00	6:55-10:00	7:00-10:00
KSL	Salt Lake City, Ut.	299.8	9:00-12:00	10:00-12:00	9:00-12:00	10:00-12:00	9:00-12:00	9:00-12:00	10:00-12:00
KTAB	Oakland, Calif.	240	Silent	9:45- 1:00	10:00-12:00	10:00-12:00	Silent	11:00- 2:00	10:00-12:00
KTBI	Los Angeles, Calif.	293.9	Silent	9:15-11:30	Silent	10:00-11:00	Silent	10:00-11:00	Silent
KTCL	Seattle, Wash.	305.9	Silent	8:10-11:10	9:00-10:00	10:00-11:00	Silent	Silent	9:00- 2:00
KTHS	Hot Springs, Ark.	374.8	9:00-11:00	9:00-11:30	9:00-11:00	9:00-11:00	9:00-11:00	9:00-11:00	9:00-11:00
KTW	Seattle, Wash.	455	Silent	9:00-11:30	Silent	Silent	Silent	Silent	Silent
KWKH	Shreveport, La.	261	9:00-12:00	7:00-11:00	10:00-11:30	9:00-12:00	Silent	8:00- 9:30	Silent
KWSC	Pullman, Wash.	348.6	Silent	Silent	9:30-11:00	Silent	9:30-11:00	Silent	9:30-11:00
KWWG	Brownsville, Tex.	278	6:00- 7:00	2:30- 3:30	8:30- 9:30	6:00- 7:00	6:00- 7:00	6:00- 7:00	6:00- 7:00
KYW	Chicago, Ill.	535.4	7:00-10:00	4:00- 8:00	Silent	7:00-12:30	7:00- 1:30	7:00-12:30	7:00- 1:30
NAA	Radio, Va.	434 5	Silent	Silent	6:45- 7:00	7:30- 8:30	Silent	Silent	Silent
PWX	Havana, Cuba	400	7:30-10:00	Silent	Silent	Silent	7:30-10:00	Silent	Silent
WADC	Akron, Ohio	258	5:30- 6:30	5:30- 6:30	5:30- 6:30	5:30-10:00	5:30- 6:30	5:30-10:00	5:30-10:00
WAHG	Richmond, N. Y.	315.6	11:00- 1:00	Silent	6:30- 1:00	Silent	6:30-11:00	Silent	7:00-10:00
WAMD	Minneapolis, Minn	244	6:15-12:00	7:00-10:00	7:00-12:00	8:45- 9:45	7:00-12:00	6:15-12:00	7:05-12:00
WBAL	Baltimore, Md.	246	Silent	5:30- 6:30	5:30- 9:00	5:30- 8:00	Silent	5:00- 9:00	5:30- 8:00
WBAP	Fort Worth, Tex.	475.9	9:30-11:00	9:30-11:00	7:30-12:00	7:30-11:00	Silent	7:30-12:00	7:30-12:00
WBAR	Sisiht, Wis.	406	Silent	10:00-11:00	9:00-10:00	Silent	8:00- 9:00	7:30- 8:30	Silent
WBBM	Chicago, Ill.	226	8:00- 1:00	8:00- 2:00	6:00- 7:00	8:00-12:00	8:00- 2:00	8:00-12:00	8:00-10:00
WBBR	Staten Island, N.Y.	272.6	7:00- 9:00	8:00- 9:15	7:00- 8:00	Silent	Silent	7:00- 8:00	Silent
WBCN	Chicago, Ill.	266	9:00- 1:00	5:00-12:00	Silent	9:00- 1:00	8:00-12:00	9:00- 2:00	9:00- 1:00
WBZ	Springfield, Mass.	333.1	5:30- 7:30	7:00- 8:00	5:00- 9:15	5:00- 9:15	5:00- 9:15	5.00- 9:15	5:00- 9:15
WCAE	Pittsburgh, Pa.	461.3	7:30-8:30	5:30- 7:20	7:30-11:00	7:00-10:00	7:30- 9:00	8:00-10:00	7:00- 8:30
WCAP	Washington, D. C.	468.5	Silent	3:00- 9:15	6:00-10:00	Silent	5:45-11:00	Silent	5:00-11:00
WCAU	Philadelphia, Pa.	278	Silent	4:00-10:30	7:00-10:30	5:45-11:00	5:45-12:00	5:30-11:00	6:30-10:30
WCBD	Zion, Ill.	344.6	Silent	8:00-10:30	Silent	8:00-10:30	Silent	8:00-10:30	Silent
WCCO	Minn-St. P., Minn.	416.4	6:15-11:05	4:10- 8:15	6:00-10:00	6:15-10:00	7:00-12:30	7:00-11:05	6:15-11:05
WCX	Detroit, Mich.	516.9	5:00- 6:00	6:15-7:15	5:00- 8:00	5:00- 1:00	5:00- 8:00	5:00- 8:00	5:00-10:00
WDAF	Kansas City, Mo.	365.6	6:00- 1:00	4:00- 4:45	6:00- 1:00	6:00- 1:00	6:00- 1:00	6:00- 1:00	6:00- 1:00
WDBO	Winter Park, Fla.	240	8:00- 9:30	4:00- 5:00	8:00- 9:30	8:30-10:00	8:00- 9:30	8:00- 9:30	8:00- 9:30
WDWF	Providence, R. I.	440.9	Silent	Silent	Silent	6:45- 7:00	6:25- 7:40	6:45- 7:00	6:45- 7:00
WEAF	New York, N. Y.	491.5	5:00-11:00	1:00- 9:15	5:00-11:00	5:00-11:00	5:00-11:00	5:00-11:00	5:00-11:00
WEAO	Columbus, Ohio	293.9	Silent	Silent	Silent	6:00- 8:00	7:00- 8:00	7:00-10:00	Silent
WEAR	Cleveland, Ohio	389.4	6:00-12:00	6:00- 9:15	7:00-11:00	6:00- 9:00	6:00- 7:00	6:00-10:00	6:00-10:00
WEBH	Chicago, Ill.	370.2	7:00- 2:00	5:00- 9:00	Silent	7:00-12:30	7:00-12:30	7:00-12:30	7:00-12:30
WEBJ	New York, N. Y.	272.6	Silent	Silent	Silent	7:00- 9:00	7:00- 9:00	Silent	6:00- 8:00
WEEI	Boston, Mass.	348.6	Silent	6:20- 9:20	7:30- 9:00	7:00-10:00	7:00-10:00	7:00-10:00	7:00- 8:00
WENR	Chicago, Ill.	266	6:00- 2:00	2:00-11:30	Silent	6:00-10:00	6:00- 2:00	6:00-10:00	6:00- 2:00
WFAA	Dallas, Tex.	475.9	6:30-11:00	6:30-11:00	6:30- 9:30	6:30-12:00	Silent	6:30-12:00	6:30- 9:30
WFBH	New York, N. Y.	272.6	10:30- 1:00	4:00- 7:00	10:30- 1:00	10:30- 1:00	10:30- 1:00	10:30- 1:00	10:30- 1:00
WFI	Philadelphia, Pa.	394.5	7:00- 8:30	6:30- 7:30	Silent	7:00-11:00	Silent	7:00-10:00	Silent
WGBS	New York, N. Y.	315.6	5:00-10:30	7:00-8:00	6:00- 6:15	5:00-10:30	5:00- 7:30	5:00- 7:45	Silent
WGBU	Fulford, Fla.	278	5:30-12:00	8:30-11:00	5:30-12:00	5:30-12:00	5:30-12:00	5:30-12:00	5:30-12:00
WGCP	New York, N. Y.	252	Silent	7:00-10:15	7:00-10:00	Silent	7:00-10:15	Silent	7:00-10:00
WGES	Oak Park, Ill.	250	8:00- 1:00	5:00- 7:00	5:00- 7:00	5:00- 1:00	5:00- 1:00	5:00- 1:00	5:00- 1:00
WGHB	Clearwater, Fla.	266	5:30-12:00	Silent	5:30-12:00	5:30-12:00	5:30-12:00	5:30-12:00	5:30-12:00
WGHP	Detroit, Mich.	270	Silent	Silent	6:00- 8:00	6:00- 8:00	6:00- 8:00	8:00-10:00	8:00-10:00
WGN	Chicago, Ill.	302.8	6:30-10:00	3:00- 9:15	6:30- 7:00	6:30-11:00	6:30-11:00	6:30-11:00	6:30-11:00
WGR	Buffalo, N. Y.	319	Silent	6:45- 9:15	7:30-12:00	7:00-10:00	7:00-12:00	7:00-10:00	7:45-12:00
WGY	Schenectady, N. Y.	379.5	8:00-11:00	5:30- 9:00	5:30- 7:30	6:00-10:00	Silent	5:45-10:30	6:15- 9:30
WHAD	Milwaukee, Wis.	275	Silent	3:15- 4:15	6:15-10:00	6:15- 7:00	6:15-12:30	6:15- 7:00	6:15-10:00
WHAR	Atlantic City, N. J.	275	6:30- 9:30	6:50-12:15	6:30- 9:00	6:50-12:15	Silent	6:30-10:00	6:30-12:15
WHAS	Louisville, Ky.	399.8	7:30- 9:00	4:00- 5:00	Silent	7:30- 9:30	7:30- 9:00	7:30- 9:00	7:30- 9:00
WHAZ	Troy, N. Y.	379.5	Silent	Silent	8:00-11:00	Silent	Silent	Silent	Silent
WHB	Kansas City, Mo.	365.6	Silent	8:00- 1:30	7:00- 8:00	7:00-10:00	7:00- 8:00	7:00-10:00	7:00- 8:00
WHN	New York, N. Y.	361.2	6:30- 9:00	4:00- 4:30	7:00-11:00	8:30- 9:00	9:00-10:30	7:00- 9:00	6:30-11:30
WHO	Des Moines, Ia.	526	Silent	4:00- 8:30	7:30-12:00	7:30-12:00	6:30-11:30	7:30-12:00	7:30-12:00
WHT	Chicago, Ill.	399.8	7:00- 1:00	12:00-10:30	Silent	7:00- 1:00	7:00- 1:00	7:00- 1:00	7:00- 1:00
WIBO	Chicago, Ill.	226	6:00- 8:00	6:00-12:00	Silent	6:00- 2:00	6:00-12:00	6:00- 2:00	6:00- 2:00
WIP	Philadelphia, Pa.	508.2	5:05-11:05	3:00- 4:00	5:05- 7:00	5:05-10:30	5:05- 7:00	5:05-11:00	5:05- 7:00
WJAR	Providence, R. I.	305.9	Silent	6:20- 9:15	7:00- 9:00	6:30- 9:00	6:30-10:00	7:00-10:00	7:00-11:00
WJAS	Pittsburgh, Pa.	275.3	6:00-11:00	Silent	6:00-11:00	6:00-11:00	6:00- 1:00	6:00-11:00	6:00-11:00
WJAZ	Chicago, Ill.	322.4	Silent	Silent	Silent	Silent	Silent	10:00-12:00	Silent
WJJD	Mooseheart, Ill.	370.2	6:00-12:00	7:45-11:00	Silent	6:00- 1:00	6:00-11:00	6:00- 1:00	6:00- 1:00
WJR	Pontiac, Mich.	516.9	6:00-11:30	Silent	6:00-11:30	6:00- 9:00	6:00-11:30	6:00-11:00	6:00-8:00
WJY	New York, N. Y.	405.2	Silent	7:15- 8:15	Silent	7:30-10:15	Silent	7:30- 9:00	7:45- 8:45
WJZ	New York, N. Y.	454.3	6:00-10:30	7:00-10:00	7:15- 8:15	7:10-10:30	8:30-10:30	7:30-10:30	7:15- 9:45
WKAQ	San Juan, P. R.	340.7	Silent	Silent	Silent	Silent	6:00- 8:00	6:00- 8:00	6:00- 8:00
WKAR	Lansing, Mich.	285.5	11:30- 1:00	Silent	6:15- 8:00	6:15- 7:00	6:15- 8:00	6:15- 7:00	6:15- 8:00
WKRC	Cincinnati, O.	422.3	10:00-12:45	6:45-12:30	6:00- 1:00	10:00-12:00	6:00- 1:00	10:00-12:15	Silent
WLIB	Chicago, Ill.	302.8	6:00- 1:00	5:00- 7:00	Silent	7:00- 1:00	7:00- 1:00	7:00- 1:00	7:00- 1:00
WLIT	Philadelphia, Pa.	394.5	6:30- 7:30	1:00- 2:00	6:30-10:45	6:30- 6:50	6:30-10:00	6:30- 7:30	6:30-10:00
WLS	Chicago, Ill.	344.6	7:45- 1:00	6:30- 7:55	Silent	7:00- 8:00	7:00-11:30	7:00- 8:55	7:00-11:30
WLW	Cincinnati, O.	422.3	7:00-10:30	3:00- 9:30	7:30- 9:00	6:30-10:00	7:00-12:00	7:00- 1:15	Silent
WLWL	New York, N. Y.	288.3	Silent	6:00- 7:00	7:00- 9:00	Silent	Silent	7:00- 9:00	Silent
WMAK	Lockport, N. Y.	265.5	5:15- 9:30	6:30- 7:30	6:30- 8:00	5:15- 6:15	6:30- 9:00	5:15- [illegible]:15	Silent
WMAQ	Chicago, Ill.	447.5	8:00-10:00	Silent	Silent	8:00-10:15	8:00- 9:45	7:00-11:00	8:00-10:15
WMAZ	Macon, Ga.	261	Silent	Silent	9:00-10:00	7:00- 8:00	10:00-11:00	9:00-10:00	7:00-10:00
WMBB	Chicago, Ill.	250	7:00-11:00	3:00-11:00	Silent	7:00-11:00	7:00-11:00	7:00-11:00	7:00-11:00
WMBF	Miami Beach, Fla.	384.4	6:00-12:00	6:00-12:00	6:00-12:00	6:00-12:00	6:00-12:00	6:00-12:00	6:00-12:00
WMC	Memphis, Tenn.	499.7	7:30- 9:30	Silent	7:30- 9:30	7:30-12:00	Silent	7:30- 9:30	7:30-12:00
WMCA	New York, N. Y.	340.7	8:00-12:00	6:00- 9:00	8:00-11:00	7:00-11:00	8:00-11:00	8:00-11:00	7:00-10:45
WNAC	Boston, Mass.	280.2	7:00- 9:00	2:00- 8:30	7:00- 9:00	7:00- 9:00	7:00- 9:00	7:00- 9:00	7:00- 9:00
WNYC	New York, N. Y.	526	6:00- 9:30	8:00-10:00	6:35- 9:30	6:10- 9:30	6:30-9:30	6:35- 9:30	6:30- 9:30
WOAI	San Antonio, Texas	394.5	Silent	7:45- 8:45	Silent	8:30-10:30	8:30- 9:30	Silent	8:30- 9:30
WOAN	Lawrenceb'g, Tenn.	282.8	Silent	9:00-10:00	9:00- 1:30	9:00-10:00	9:00-10:00	9:00-10:00	9:00-10:00
WOAW	Omaha, Nebr.	526	6:00-12:00	6:00- 9:00	6:00-11:00	6:00- 1:00	Silent	6:00- 1:00	6:00-11:15
WOAX	Trenton, N. J.	240	Silent	8:30-10:30	Silent	Silent	Silent	Silent	Silent
WOC	Davenport, Ia.	483.6	6:30-12:00	6:30-11:45	Silent	6:30-11:15	6:30-10:00	6:30-12:00	6:30- 9:45
WOK	Homewood, Ill.	217.3	10:00- 1:00	6:30- 8:30	Silent	10:00- 1:00	10:00- 1:00	10:00- 1:00	10:00- 1:00
WOO	Philadelphia, Pa.	508.2	6:30- 7:30	5:00- 6:00	6:30-11:00	6:30- 7:30	6:30-11:00	6:30- 7:30	6:30-11:00
WOQ	Kansas City, Mo.	278	8:00-11:00	7:00- 7:45	Silent	8:00- 9:00	Silent	7:00- 9:00	Silent
WOR	Newark, N. J.	405.2	5:15- 7:30	Silent	5:15- 8:30	5:15- 6:30	5:15-11:00	5:15- 6:30	5:15- 6:30
WORD	Batavia, Ill.	275	8:00- 9:00	2:30-10:00	Silent	7:00-12:45	7:00-10:00	8:00-10:30	7:00-12:45
WOS	Jefferson City, Mo.	440.9	Silent	8:00- 9:00	8:00-10:00	Silent	8:00-10:00	Silent	8:00-10:00
WPG	Atlantic City, N. J	299.8	6:00-11:00	3:15-11:00	6:00-11:00	7:00-11:00	Silent	7:00-11:00	6:00-11:00
WQJ	Chicago, Ill.	447.5	7:00- 3:00	7:00-10:00	Silent	7:00- 2:00	7:00- 2:00	7:00- 2:00	7:00- 2:00
WRC	Washington, D. C.	468.5	5:00-12:00	Silent	Silent	5:50-12:00	5:00- 6:00	6:00-10:00	Silent
WREO	Lansing, Mich.	285.5	5:00-11:00	6:00- 7:00	5:00- 6:00	5:00- 8:15	5:00- 6:00	5:00-11:30	Silent
WRVA	Richmond, Va.	256	Silent	Silent	7:10- 9:10	Silent	7:10-10:00	8:30-11:30	6:00-10:00
WRW	Tarrytown, N. Y.	273	8:00-10:30	7:00-10:30	8:00-10:30	8:00-10:30	8:00-10:30	8:00-10:30	8:00-10:30
WSAI	Cincinnati, O.	325.9	7:30- 9:15	7:45-10:15	10:00-12:00	6:30-10:30	10:00-12:00	7:00-10:00	Silent
WSB	Atlanta, Ga.	428.3	8:00-12:00	7:30- 9:15	8:00-12:00	8:00-12:00	10:45-12:00	8:00-12:00	8:00-12:00
WSM	Nashville, Tenn.	[illegible]	7:15-11:00	7:30- 8:30	7:00-11:00	Silent	7:00-11:00	Silent	Silent
WSMB	New Orleans, La.	282.8	8:30-10:30	Silent	8:30-11:30	Silent	8:30-10:30	8:30-11:00	Silent
WSUI	Iowa City, Ia.	483.6	Silent	9:15- 9:45	7:30- 8:30	Silent	7:45- 8:45	Silent	Silent
WTAG	Worcester, Mass.	268	Silent	3:00- 9:15	6:00-10:00	6:45-10:00	6:00-10:00	7:00-10:00	7:00- 8:00
WTAM	Cleveland, O.	389.4	5:00-11:00	Silent	5:00-11:00	5:00- 6:00	5:00-11:00	5:00- 6:00	5:00- 6:00
WTIC	Hartford, Conn.	475.9	5:30-11:00	4:00- 9:30	5:30-11:00	Silent	5:30- 9:00	5:30- 6:30	5:30-11:00
WWJ	Detroit, Mich.	352.7	Silent	5:20- 9:15	5:00- 8:00	5:00- 8:00	5:00- 9:00	5:00-11:30	5:00- 9:00

STATIONS IN ORDER OF WAVE LENGTHS

Meters	Call	Meters	Call	Meters	Call	Meters	Call	Meters	Call	Meters	Call
217.3	WOK	270	WGHP	299.8	KSL	348.6	KWSC	400	PWX	467	KFI
226	WBBM	272.6	WBBR	299.8	WPG	348.6	WEEI	405.2	KHJ	468.5	WCAP
226	WIBO	273	KWKH	302.8	WGN	350	CZE	405.2	WJY	468.5	WRC
240	KFVE	272.6	WEBJ	302.8	WLIB	352.7	WWJ	405.2	WOR	475.9	WBAP
240	KTAB	272.6	WFBH	305.9	KTCL	356.9	CFCA	406	WBAR	475.9	WTIC
240	WDBO	273	WRW	305.9	WJAR	356.9	CKNC	410.7	CKAC	475.9	WFAA
240	WOAX	275	WHAR	309.1	KDKA	361.2	KGO	416.4	WCCO	480	CYL
244	WAMD	275	WORD	315.6	KFDM	361.2	WHN	421	KIAF	483.6	WOC
246	WBAL	275.3	WJAS	315.6	KPSN	365.6	WDAF	422.3	WLW	483.6	WSUI
250	KFXF	278	KOIL	315.6	WAHG	365.6	WHB	422.3	WKRC	491.5	KGW
250	WGES	278	KWWG	315.6	WGBS	370.2	WEBH	428.3	WSB	491.5	WEAF
250	WMBB	278	WCAU	319	WGR	370.2	WJJD	428.3	KPO	499.7	KFRU
252	KFWB	278	WGBU	319	WSMB	374.8	KTHS	434.5	CNRO	499.7	WMC
252	KMA	278	WOQ	322.4	KOA	379.5	WGY	434.5	CFCN	508.2	KLX
252	WGCP	280.2	WNAC	322.4	WJAZ	379.5	WHAZ	434.5	NAA	508.2	WIP
256	WRVA	282.8	WOAN	325.9	WSAI	384.4	CKY	435	AT9	508.2	WOO
258	WADC	282.8	WSM	333.1	WBZ	384.4	KJR	440.9	KLDS	516.9	CJCA
261	KFJF	285.5	WKAR	336.9	KNX	384.4	WMBF	440.9	WDWF	516.9	WCX
261	KWKH	285.5	WREO	337	KFMX	389.4	WEAR	440.9	WOS	516.9	WJR
261	WMAZ	288.3	KFKX	340.7	KFAB	389.4	WTAM	447.5	WMAQ	526	WHO
263	KFNF	288.3	WLWL	340.7	WKAQ	394.5	WFI	447.5	WQJ	526	WNYC
265.6	WMAK	293.9	KTBI	340.7	WMCA	394.5	WLIT	454.3	KFOA	526	WOAW
266	WBCN	293.9	WEAO	344.6	WCBD	394.5	WOAI	454.3	WJZ	535.4	KYW
266	WGHB	296.9	KPRC	344.6	WLS	399.8	WHAS	455	KTW	545.1	KFUO
268	WTAG	299.8	KFMQ	348.6	KOB	399.8	WHT	461.3	WCAE	545.1	KSD

SHORT WAVES

By Marcella

(Continued from page 11)

ental name. She's a beauty—20 years old, bright red hair, all that a bachelor could desire. The Hired Hand heard her sing last fall and gave her a special course in microphone singing. She had never seen a mike before this winter at WBAP. Now her popularity is overwhelming—has been from the start—and her mail averages somewhere between 150 and 350 cards and letters a day. The postman bewilders her for she hasn't yet quite conceived that she is gaining fame continent-wide. The H. H. informs your special gossip pervader that she no doubt will return to Kansas City "when the robins bloom" as she is visiting Fort Worth for the mild winter climate (adv.) and to get away from the harsh winters up north (not adv.). Any Saturday night from 9:30 to 11 p. m., Central time, will bring her in on 475.9 meters.

* *

The Hired Hand told me about Bessie, the Sunflower Girl, in a letter explaining about his married life. He is married, it seems, and his wife "raises h——" (the H. H.'s own words) most of the time because he refers to his home as his boarding house. Hard lines, aren't they girls. Better write to him and sympathize.

* *

This is not a WBAP column, but I must add one more thought. That delightful orchestral marvel who leads the band at the Texas hotel, heard from Fort Worth, is not an Indian just because his name is Chief Gonzales. He's of Spanish decent, and dark—and HANDSOME.

* *

The "Oh Henry" Boy, Walter Preston, known to thousands of WIBO listeners, is married, Sarah. Sorry, my dear, but he's very happy. No chance at all. He directs WIBO now, having been recently promoted, and has a beautiful tenor voice, as you know. Besides being married, he proves himself a model husband by liking to play bridge and winning a prize now and then. Very good looking, slender, "built for speed," weighs about 140 pounds, is about five feet eight inches tall, and Charleston's modestly but admirably.

* *

You home-seeking fair ones, you experimental cooks, listen with Georgia to the facts regarding Wayne Meyers, the new announcer at WIBO. Wayne is single. I place that first because that is the first question Georgia asks. He is also one of the most even-tempered men I have had the good fortune to meet. His hobbies are his mother and music. He supports his mother for his dad is dead. Went overseas for the big fight and there got acquainted with another now popular announcer, Pat Barnes of WHT. Wayne Meyers is now 27 years old, stretches up five feet five inches, weighs 135 pounds, has hair "betwixt and between" and looks at you through gray eyes. He is persistent and careful, nice and pleasing. He sings if urged, and as an excellent matrimonial quality, I must add, he does not play golf.

* *

What deep secret would you like to know about your favorite broadcast star? Drop me a note, girls and boys, and I'll do by best to answer here. MARCELLA.

OYSTER AMERICAN DISH

(Continued from page 11)

there is oyster stew. It is all according to the way you make it. A certain chef in New York city is quite famous for his oyster stew. His secret is in the way he prepares the oysters. He cooks them in butter quite slowly for several minutes before adding to the milk. It is quite surprising what a difference that one thing makes in the flavor of the stew.

This is the way we prepare it in our model kitchen:

Model Kitchen: One pint of oysters, ¼ cup butter, 1 teaspoonful salt, 1 pint of milk, ½ cup of cream.

Method: Pick over the oysters, removing any pieces of shell. Melt butter in a sauce pan. Add the oysters and cook gently until the edges curl. Scald the milk and cream. Add to the oysters. Season with salt and pepper. Let stand hot several minutes, then serve. This stew may be made with all milk, or with a larger proportion of cream, according to how rich you wish it.

Scalloped Oysters

In preparing scalloped oysters, use equal parts of bread crumbs and cracker crumbs. If you use all bread crumbs the mixture will be too wet, and all cracker crumbs are objectionable because they soak up too much of the oyster liquor. Here is our recipe for scalloped oysters that has been very popular among our friends all over the country:

One pint oysters, 1½ cups crumbs, 1 teaspoonful salt, ¼ teaspoonful pepper, 1/3 cup butter, 4 teaspoonsful cream, 4 teaspoonsful oyster liquor.

Method: Be sure to use half bread crumbs and half cracker crumbs in this recipe. Place a layer of the mixed crumbs in a buttered baking dish. Add a layer of oysters. Season with salt and pepper and dot with butter. Add another layer of crumbs, then more oysters, and season as before. Pour over the cream and liquor. Cover with another layer of crumbs. Bake in a moderate oven thirty minutes (350° Fahrenheit).

Fried Oysters

I have discovered that many people think of fried oysters as a restaurant dish, and seldom, if ever, attempt to prepare them at home. Fried oysters are very easily prepared, and there is no reason why you cannot have a fried oyster supper at home whenever you wish. Drain off any liquor. Roll each oyster in flour so that it is entirely covered with a coating of flour; then dip in egg, roll in sifted bread crumbs and fry in deep fat.

The reason for rolling the oysters in flour first is that you must have a dry surface or else the egg will not stick. To prepare the egg, beat the whole egg slightly and add one tablespoon water or milk for each egg. Dry crumbs are better than the soft ones for crumbing, and they should be sifted. The coarse crumbs will not stick as well as the fine sifted crumbs.

The oysters may be fried in a kettle of deep fat or in fat at least an inch deep in the frying pan. As soon as they are a golden brown remove from the fat, and place on a brown paper in order to drain off any excess fat. For a fried oyster supper serve the oysters with catsup or chili sauce, pickles or olives, sandwiches or rolls, a hot beverage, and fruit salad for dessert.

ADVANCE PROGRAMS FOR THE WEEK

Saturday, February 13

Headliners Today

Eastern	Central	Mountain	Pacific
8 p. m.	7 p. m.	6 p. m.	5 p. m.

WFI (394.5m-760kc) Boosters' club.
WGR (319m-940kc) Allen's saxophone band.
WTAM (389.4m-770kc) Hollenden hour.
8:10 7:10 6:10 5:10
WAMD (244m-1230kc) Mailmen's musical quartet.
8:15 7:15 6:15 5:15
WNAC (280.2m-1070kc) Intercollegiate glee clubs.
8:30 7:30 6:30 5:30
WTIC (475.9m-630kc) Boy Scouts program.
9 8 7 6
KPRC (296.9m-1010kc) "Sunset Limited of 1926," musical comedy.
WLS (344.6m-870kc) National barn dance.
WTAM (389.4m-770kc) Novelty program.
9:10 8:10 7:10 6:10
WRVA (256m-1170kc) Shrine band.
9:15 8:15 7:15 6:15
KFVE (240m-1250kc) Harmonica duo.
10 9 8 7
KFI (467m-642kc) Gamut male quartet.
WGR (319m-940kc) Buffalo Arts club.
WOC (483.6m-620kc) Augustana college program.
11 10 9 8
KFWB (252m-1190kc) Lyric string trio.
11:10 10:10 9:10 8:10
KGO (361.2m-830kc) "The Geisha." Japanese musical comedy.
11:15 10:15 9:15 8:15
KTHS (374.8m-800kc) Big Four Hawaiians orchestra.

Saturday, silent night for: CFAC, CFCA, CNRA, CNRC, CNRE, CNRM, CNRR, CNRT, CNRV, CNRW, KFDM, KFEQ, KFKX, KFKU, KFMX, KFUO, KFXF, KLX, KMA, KOAC, KOB, KQP, KSAC, KSO, KTAB, KWSC, WABQ, WCX, WDOD, WEAO, WEBJ, WEBW, WEEI, WGCP, WGST, WHAD, WHAZ, WGR, WHN, WHO, WIP, WJAR, WJAZ, KKAQ, WKAR, WLIT, WLWL, WOAI, WOS, WRVA, WTAG, WTIC, WWJ.

Eastern Time Stations

CFCA, Toronto, Can. (356.9m-840kc), late news reports.
CKAC, Montreal, Can. (410.7m-730kc), 7:15 p. m., Windsor hotel dinner hour; 8:30, studio concert; 10:30, Harold Leonard's red jackets.
CKNC, Toronto, Can. (356.9m-840kc), 4 p. m., CKNC chamber orchestra; Arthur VanderVoort, bass; Hazel Hall-VanderVoort, soprano; 8-10, Charles E. Bodley and his dance orchestra; Elgar male quartet.
CNRO, Ottawa, Can. (434.5m-690kc), 8 p. m., Chateau Laurier concert orchestra; 8:45, Myrlah Kendall, pianist; Mrs. F. J. Horning, violinist; Mario Ricardi; Chateau Laurier dance orchestra.
KDKA, Pittsburgh, Pa. (309.1m-970kc), 7:15-8 a. m., exercises, O. Shannon, conductor; 5:45 p. m., Daddy Winkum; 6:30, dinner concert; 8:30, concert, Westinghouse band, T. J. Vastine, conductor.
WAHG, Richmond Hill, N. Y. (315.6m-950kc), 12:03 p. m., Joe Zimmerman, pianist; 12 midnight, Weinzoff's concert orchestra.
WBBR, New York, N. Y. (273m-1100kc), 8 p. m., Prof. Charles Rohner, violinist; 8:20, Fred Twaroschk, tenor; Bible discussion; 8:40, Fred Twaroschk, tenor; 8:50, Prof. Charles Rohner.
WBZ, Springfield, Mass. (333.1m-900kc), 6:30 p. m., Little Symphony orchestra, KDKA; 6:45, Hotel Lenox ensemble; 7:45, Daniel Kuntz's theater orchestra; 8:15, musical program, Hotel Brunswick; 9:15, C. H. Anthony, mandolinist; Frank Peters, tipple uke; 9:45, Leo Reisman's Hotel Brunswick orchestra.
WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., William Penn hotel; 7:30, Legion banquet; 8, Youngstown artists.
WEAF, New York, N. Y. (491.5m-610kc), 6:45-7, 7:20 a. m., health exercises; 4-5 p. m., dance program; 6-12 midnight, dinner music; Ross Gorman and his orchestra; Chamber musicale, Elvira Boni, soprano; Nino Ruisi, bass; American vocal quartet; Rosella Sheiner, violinist; Dora Gutentog and Sadie Zuckerman, piano duettists; Irvine Players, two one-act plays; Hughie Barrett and his orchestra; Vincent Lopez and his orchestra.
WEAR, Cleveland, Ohio (389.4m-770kc), 7 p. m., Hotel Statler concert orchestra, Maurice Spitalny, director.
WEEI, Boston, Mass. (348.6m-860kc), 6:45 a. m., Tower health exercises; 8 p. m., Boston symphony orchestra.
WFI, Philadelphia, Pa. (394.5m-760kc), 1 p. m., Tea room ensemble; 3, Mapleshade Country club dance orchestra; 6:30, Bellevue-Stratford concert orchestra; 7, Bellevue-Stratford dance orchestra; 8, Boosters' club; Howard Lanin's dance orchestra; double male quartet; harp ensemble; Goldy and Dusty; 11, Bellevue-Stratford dance orchestra.
WGBS, New York, N. Y. (315.6m-950kc), 1:35 p. m., Joseph Turkel, tenor; Leonard Garfunkel, pianist; 3, Ben Goldman and his Boy Scout entertainers; 6:30, Bill Hines' orchestra; 8:30, Comedy Four male quartet; 9, Jack Locascio juvenile syncopators; 9:10, Deborah Greenburg, soprano; 9:20, Juvenile syncopators; 9:30, Samuel Kurland, violinist; 10, Douglas Donaldson, baritone; 10:30, Arrowhead Inn dance orchestra.
WGCP, New York, N. Y. (252m-1190kc), 3 p. m., orchestra; 4:15, John Moriarty, ukulele soloists; Reta Redbood, soprano; 5:15, Joe Turkel, tenor; 8:30, Strickland's orchestra; 9, Hilda Deighton, contralto; 9:30, Ukulele Bob McDonald; 9:45, June Lee; 10, Yama Yama Boys; 10:30, Strickland's orchestra.
WGR, Buffalo, N. Y. (319m-940kc), 2:30 p. m., WGR's afternoon program.
WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., dinner program, Hotel Onondaga; 8:25, New York Philharmonic society student symphony series; 10:30, dance program, Porter E. Potts' Hotel Van Curler orchestra.
WHAR, Atlantic City, N. J. (275m-1090kc), 2 p. m., Seaside hotel trio; 7:30, lecture period; 8, Seaside hotel trio.
WIP, Philadelphia, Pa. (508.2m-590kc), 6:45 a. m., setting-up exercises; 7, setting-up exercises; 10, menu talk, Mrs. Anna B. Scott; 10:30, reducing exercises; 1 p. m., organ recital; 3, Dal Ruch and his Arcadians; 6:05, Benjamin Franklin concert orchestra; 7, Uncle Wip's bedtime stories; 9, sports concert, Dr. Francois D'Eliscu; 8:15, basketball game, University of Penn. vs. West Point; 10:05, dinner to Colonel George E. Kemp, Postmaster of Phila., speakers: Senator George Wharton Pepper, Senator David A. Reed, Hon. Harry S. New, Postmaster-General of U. S.; 11:15, organ recital, Germantown theater.
WJAR, Providence, R. I. (305.9m-980kc), 1:05 p. m., Zikes Bon Ton orchestra.
WLIT, Philadelphia, Pa. (394.5m-760kc), 12:02 daily almanac; Stanley theater organ recital; Arcadia cafe concert orchestra; 2, dance orchestra; 4:30, Cotton Pickers' dance orchestra; 7:30, Benjamin Franklin hotel concert orchestra.
WMAK, Buffalo, N. Y. (266m-1130kc), 6:15-7:15 p. m., dinner music, Hotel Lafayette orchestra; 7:30-8:30, musical program; 8:30-9, musical program, Wolff's furniture house; 9-9:30, musical program, Beaver Products company; 9:30-10:30, program, Sunrise Point Development company
WMBF, Miami Beach, Fla. (384.4m-780kc), 7-9 p. m., Fleetwood Radio orchestra; 10-1 a. m., Gene Fosdick and his orchestra; Fleetwood Radio orchestra.
WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Olcott Vail and his Hotel McAlpin ensemble; 6:30, Club Caprice orchestra; 7, Elite orchestra; 8:30, Henry Burgig and Henry Kaye; 9, Tracy Pearl musical program; 9:30, Five Messner Brothers; 10, Woodmanston Inn orchestra; 10:30, Norman Pearce, reader; 11, **Ernie Golden and his Hotel McAlpin orchestra.**

This beautiful actress is Miss Kay Hammond whose readings over WSMB, New Orleans, have charmed thousands. Miss Hammond is an athlete and enthusiastic sportswoman. She is also a lieutenant in the Ambulance Corps of America.

WNAC, Boston, Mass. (280.2m-1070kc), 6 p. m., Smilers; 6:30, Shepard Colonial dinner dance; 8:15, intercollegiate glee club concert; 10:30, Copley Plaza orchestra.
WNYC, New York, N. Y. (526m-570kc), 7 p. m., dance program; 7:35, dance program; 8, vocal and instrumental program; 9, novelty; 9:30, joint song recital.
WOO, Philadelphia, Pa. (508.2m-590kc), 11 a. m., organ recital; 12:02 p. m., Golden crystal tea room orchestra; 4:45, organ recital; 7:30, Ritz Carlton concert orchestra.
WOR, Newark, N. J. (405.2m-740kc), 2:30 p. m., Mildred Delma, soprano; 3:15, Zit's Central Park Casino orchestra; 6:45, Jacques Jacobs Hotel Shelton ensemble; 7:30, Van's Collegians; 8:45, Davens orchestra.
WPG, Atlantic City, N. J. (299.8m-1000kc), 1:30 p. m., Hotel Morton luncheon music, 6:45, organ recital, Arthur Scott Brook; 7, Hotel Traymore dinner music; 8:15, program; 9, Hotel Ambassador concert orchestra, Harry Loventhal, director; 10, Nick Nichols' dance orchestra; 11, dance orchestra, Morton Bates, director.

High Lights of the Week

"SUNSET LIMITED OF 1926" takes to the ether from KPRC, Houston, Saturday night. This is one of the latest vehicles of the year to carry light opera music. The crew is the Southern Pacific glee club. Another event of the evening is the intercollegiate glee club concert at WNAC, Boston. Colleges competing are Boston university, Clark, Holy Cross, Wesleyan, Williams, Boston college, Brown, Bowdoin, Middlebury and Trinity. Boy Scouts are meeting this same evening at WTIC to celebrate their sixteenth anniversary.

Hired hand, branchman, Klondyke miner, engine wiper, vaudeville and cabaret singer are a few of the past professions of Allen McQuhae, tenor, who sings from KPO, San Francisco, Sunday. Mr. McQuhae is now famous for his Irish songs. The twilight program of WBAL, composed entirely of Grieg music given by the WBAL concert orchestra, will also tempt fans to dial 246 meters. John Wilbourn is the tenor soloist.

The Cincinnati community committee will play a pretty compliment to the governor of Ohio Monday evening when all his favorite musical compositions are given by the community quartet. Slavonic music by the Zahpad trio is the Monday feature at KFI, Los Angeles.

CNRV of Vancouver will enter the dramatic world Tuesday when the three-act play, "Peg o' My Heart," is produced. This promises to be the Radio theatrical event of the CNR stations. An interesting series of lectures on points of peril in contemporary diplomacy is scheduled for Tuesday evenings at KFMX, Northfield. Prof. Keith Clark's talk this week will be on Mosul as a strategic point of the Near East. This city is located in Syria.

Historical glimpses of the West during the heroic struggle of Colorado trail blazers in 1858 and 1859 will be given Wednesday from KOA, Denver. "There Were Giants in Those Days" is the subject of the talk by Joseph Emerson Smith.

Madame Olga Samaroff, pianist, who was heard recently over the WEAF chain, will talk at 5 p. m., Eastern time, from WTIC Thursday. An airplane trip to the Big Ten universities will be taken by the Columbus men's quartet from WEAO this same evening. Snappy news items from each campus and university songs will entertain the listener.

Paul Ash and his merry-mad gang will invade the studio of KYW, Chicago, Friday evening for a frolic which will begin at 11 p. m., Central time. Paul Ash is as informal with his Radio audience as he is with his stage spectators. A merry time is always had by all.

WRC, Washington, D. C. (468.5m-640kc), 12 m., organ recital; 1 p. m., Hamilton hotel orchestra, Daniel Chwalow, director; 6, Lee House trio, Sam Udrin, director; 7, Irving Boernstein's Hotel Washington orchestra; 8:30, students' concert; 10:30, "Crandall's Saturday Nighters."
WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., dinner concert, Speed Wagon serenaders; Gold Standard ensemble; 10-12, Speed Wagon serenaders, Carl Hall Hewey, director.
WTAG, Worcester, Mass. (268m-1120kc), 12:05-2 p. m., WTAG orchestra; 3-5, WTAG orchestra.
WTAM, Cleveland, Ohio (389.4m-760kc), 12:30-1:30 p. m., Austin Wylie's Vocalion Recording orchestra; 6-7, Carl Rupp and his Hotel Hollenden orchestra; 8-9, Hollenden hour; 9-12, Ev Jones and his gang.
WTIC, Hartford, Conn. (475.9m-630kc), 6:30 p. m., children's period, "Skinny and his Gang"; 6:50, dinner music, Hotel Bond trio; 8, Sunday school period; 8:30, Boy Scouts; 10, dance music, Le Bal Tabarin orchestra.
WWJ, Detroit, Mich. (352.7m-850kc), 9:30 a. m., "Tonight's Dinner;" 12:05 p. m., Jules Klein's Hotel Statler orchestra; 3, Detroit News orchestra.

Central Time Stations

CKY, Winnipeg, Can. (384.4m-780kc), 9 p. m., concert, J. A. Banfield, Limited, Royal Alexandria hotel.
KFAB, Lincoln, Nebr. (340.7m-880kc), 8:30-9:30 p. m., Schmoller and Mueller musicale.
KFEQ, Oak, Nebr. (267.7m-1120kc), 2-3 p. m., program, Alton, Kan.; 8:30-10, Blue Bird Inn orchestra.
KFKX, Hastings, Nebr. (288.3m-1040kc), 5:30 p. m., dinner concert, KDKA.
KLDS, Independence, Mo. 441m-680kc), 8 p. m., Louise Mason, soprano; Francis Henser, tenor; Reid Hillyard, baritone; Otto Rothenberger, bass; Frank Towsley, organist; Amy E. Winning, accompanist.
KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., old-time music, Emerson Sisco, director; 11, old-time fiddling.
KMA, Shenandoah, Iowa (252m-1190kc), 6-7 p. m., popular musical program; 9-11, pipe organ recital, William Howle.
KOIL, Council Bluffs, Iowa (278m-1080kc), 5 p. m., Tea Dansant; Randall's Royal Fontenelle orchestra; 5:30, Leo Kearse; McCrory's popular music period; 6:15, Mona Motor Oil entertainers; 6:30, Randall's Royal Fontenelle orchestra; 7:15, educational period; 7:30, harmony chapter; 11, Hugo Heyn and his Happy Hollow club orchestra; 12, Indian pow-wow.
KPRC, Houston, Tex. (296.9m-1010kc), 12 m., Jack Willrich's orchestra, featuring Virginia Willrich, piano accordionist; Fred Simmons, blues trumpeter; 7:30 p. m., Bible class, Rev. M. M. Wolf, conductor; 8, "Sunset Limited of 1926," Southern Pacific glee club; 11, Alexander's ragtime band.
KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., Grand Central theater; 8:30, St. Louis symphony orchestra.
KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 12:30-1:15 p. m., Bible class, Rev. Chauncey Hickok; 9-9:25, classical selections; New Arlington hotel orchestra; 10:15-10:45, concert, Big Four Hawaiian orchestra; steel guitar solos, novelties; 10:45-11, dance selections, Meyer Davis artists.
KWWG, Brownsville, Texas (278m-1080kc), 6 p. m., dinner concert.
KYW, Chicago, Ill. (536m-560kc), 6:30-7 a. m., exercises, Paul A. Leonhardt, director; 7:30, morning family worship; 12:05 p. m., noonday concert; 1, luncheon concert, Congress hotel, Joska DeBarbary's orchestra; Coon-Sanders' Original Nighthawks; 4, Saturday frolic; 6, dinner music, KDKA; 7:05, bedtime story, Walter Wilson; 7:30, home-lovers' hour; 11:30, Congress carnival; 1 a. m., Insomnia club, Coon-Sanders' Original Nighthawks.
WAMD, Minneapolis, Minn. (244m-1230kc), 12 noon, Medley trio, George Sawyer, Maurine Heft, pianist; 6:15, dinner concert, George Osborn's orchestra; 7:10, popular program, Minneapolis post-office entertainers; Skyrocket frolic, George Osborn's orchestra; 11:12 midnight, organ recital, Jack Malerich.
WBAP, Fort Worth, Texas (475.9m-630kc), 7:30 p. m., Sunday school lesson; 9:30, Sunflower girl of Kansas.
WBBM, Chicago, Ill. (226m-1330kc), 4-6 p. m., Harry and Sandy; Valentino Inn orchestra; Court Banks, Johnny Black, Russell Meyers; Jack Pennewell and Freddy Palmiter; 8-9:30, musical comedy, "The Four Seasons;" 9:30-11, Sandy and Harry; Moulin Rouge orchestra; William E. Anderson, steel guitarist; Sy Berg; Fred Johnson; 11-2 a. m., Sunset male quartet; WBBM harmony four; George Thurn uke, and kazoo soloist; Two Jays; Charlie Garland; Spencer, Lavergne and Shayne, xylophonist; Joe Buck, uke and songs; Lew Russell, Romo Vincent, Nick Probst, Moulin Rouge orchestra; Vivian Sheffer, contralto; Claire Matthews and Jimmy Griffin.
WCAL, Northfield, Minn. (336.9m-890kc), 8:30 p. m., music, college music faculty.
WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 12:30 p. m., Emmet Long's Golden Pheasant orchestra; 2:30, afternoon concert; 6:15, Biley's St. Paul hotel concert orchestra; 8:15, musical program; 10:05, Arnold Frank's St. Paul hotel orchestra.
WDAF, Kansas City, Mo. (365.6m-820kc), 3:30-4:30 p. m., The Star's string trio; 6-7, organ music, Pantages theater; music, Trianon ensemble; 11:45-1 a. m., Ted Weem's Victor Recording orchestra; Billy Adair's Kansas City club orchestra; Eddie Kuhn's Kansas City Athletic club orchestra.
WEBH, Chicago, Ill. (370.2m-810kc), 3-4 p. m., special features; 7-8, Oriole orchestra; Howard Neumiller, pianist; 9, Oriole orchestra; 9:45, James Murray, tenor; Marie Kelly, reader; 11-12, Oriole orchestra; Wayne Myers, Frank Greif; 1-2 a. m., Marie Kelly, reader; Kay Ronayne, songs.
WENR, Chicago, Ill. (266m-1130kc), 6-7 p. m., dinner concert, Rauland-Lyric trio; instrumental solos; vocal selections; 8-10, popular program; Art Bilquist; saxophone and banjo duets; vocal selections; 12-2 a. m., frolics, Frank Westphal and his All-American Pioneers; Rita McFawn, Mary Bieber, vocal numbers; instrumental solos.
WFAA, Dallas, Tex. (475.9m-630kc), 3:30-4 p. m., Tom Fowler, violinist; 4:30-5, James G. Grimes, pianist; 6:30-7:30, Baker hotel orchestra; 8:30-9:30, J. Wesley Hubbell club, vocal and instrumental music recital; 11-12, Jack Gardner's orchestra.
WGES, Oak Park, Ill. (250m-1200kc), 5-7 p. m., basso, tenor, organ; 8-9, piano, organ, orchestra; 11-1, "Uke Girl," pipe organ, orchestra, violin, piano.
WGN, Chicago, Ill. (302.8m-990kc), 10-10:15 a. m., good health period; 10:15-10:45, entertainment for shut-ins; 11-11:30, morning organ concert, Chicago theater, Dean Fossler; 12:01-12:30 p. m., noon hour entertainment for children; 12:10-2:30, luncheon concert music; 2:30-3, Lyon and Healy artist recital; 3:25, Port o' Missing Men; 3:30-4:15, tea time music; 4:30-5, syncopation matinee, Edward Benedict, organist; 5:30-5:57, Skeezix time; 6:30-6:45, dinner concert music; 6:45-7, old-time favorite songs; 8-10, musical program; 10-10:10, "Sam n' Henry," Radio comic strip; 10:10-10:15, old-time favorite songs; 10:15-11, dance music; Correll and Gosden, Freda Leonard and Jewell Barnett, songs.
WHAD, Milwaukee, Wis. (275m-1090kc), 11 a. m., pianologue, Andy Hertel; story for children, Faye Mc Beath; Margaret Cunningham, pianist; Willard Kaleibe, tenor banjo soloist.
WHAS, Louisville, Ky. (399.8m-750kc), 1-2 p. m., concert, Benson trio; 2:45-3:30, concert, auspices of Madge Wright; 4-5, concert, Music Box of Harry Currie, readings, Martha Pope Robinson; 7:30-9, concert, Royal Peacock orchestra, Richard Kent, director; music from automobile show.
WIBO, Chicago, Ill. (226m-1330kc), 2-4 p. m., program for shut-ins; Ted Florito, pianist; Dan Russo, violinist; Marie Tully, soprano; Wayne Meyers, reader; Pearl Holzman, pianist; Lenore Friedman, soprano; 6-8, dinner concert; Walter Preston's open request night; WIBO string trio; Elsie Orr, soprano; Ruth Ford, contralto; Mr. Leonard, baritone.

IRISH TENOR GUEST ARTIST AT KPO

An Irish tenor rivaling John McCormack is Allen McQuhae, above. His songs of auld Erin will go out upon the ether Sunday from KPO. The operatic star scheduled to appear over the WEAF chain February 14 is Anna Case, soprano.

Saturday, February 13

WKAF, Milwaukee, Wis. (261m-1150kc), 10-11 p. m., Trixie Ann Troy and her Royal Hawaiians; Hi Coleman's dance orchestra.

WKRC, Cincinnati, Ohio (422.3m-710kc), 10 p. m., Marion McKay and his orchestra; Jack Tilson, singer; 11, Eugene Perazzo, violinist; 11:15, Marion McKay's orchestra; 11:45, request piano program.

WLIB, Chicago, Ill. (302.8m-990kc), 7-8 p. m., musical program; 11-1 a. m., dance music; Correll and Gosden, Freda Leonard and Jewell Barnett, songs.

WLS, Chicago, Ill. (344.6m-870kc), 12 noon, R. F. D. program; Doris Wittich; 7 p. m., Ford and Glenn; lullaby time; 7:20, Thurlou Lieurance and assisting artists; 8, national barn dance, with Ruth Etting; 11, Ford and Glenn; Ralph Emerson; WLS twin wheeze.

WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., popular organ concert, Johanna Grosse; 7:30, safety talk for children; 7:40, meeting of the Seckatary Hawkins Radio club; 8, St. Valentine's day feature; the third annual WLW beauty contest for grandmothers; 9, dance music, Castle farm.

WMAQ, Chicago, Ill. (447.5m-670kc), 5:15 p. m., Topsy-Turvy time; 6, Chicago theater organ; 6:30, Hotel La-Salle orchestra; 7, Frederick Daw and Russell Pratt; 9, Chicago theater revue.

WMBB, Chicago, Ill. (250m-1200kc), 7-8 p. m., Trianon duo; Edith Stonehouse, soprano; Vella Cook, contralto; Frank Bordner, baritone; 9-11, Trianon orchestra; Woodlawn theater orchestra; Maggie Murphy's home; Dollinger and Lycria; Fred Rose, Clinton Keithley.

WMC, Memphis, Tenn. (499.7m-600kc), 7:15 p. m., bedtime stories, Peter Pan and Tinker Bell; 8:30, concert, Walter Moore, sponsor.

WOAW, Omaha, Nebr. (526m-570kc), 6 p. m., orchestra, soloists; 7, after-dinner hour; speakers, musical program; 9, classical; 10:30, Frank Hodek and his Nightingale orchestra; 11, Arthur Hays and his organ jubilees; Dr. Appleseace announcing.

WOC, Davenport, Iowa (483.6m-620kc), 5:45-6 p. m., chime concert; 6:30-6:50, sandman, bedtime stories, L. Emory Wass; 9-10:30, musical program, Martin Johnson, director; Wennerberg chorus; Oriole chorus; Augustana quartet; Lutheran A. Capella choir; Augustana concert band; 11-12 a. m., orchestra program; LeClaire hotel orchestra; song numbers, Peter MacArthur, baritone.

WOI, Ames, Iowa (270m-1110kc), 12:30 p. m., chimes.

WQJ, Chicago, Ill. (447.5m-670kc), 11-12 m., character analysis on dates; 3-4 p. m., koffee klatsch, Jerry Sullivan, percolator; Rose Vanderbosch, soprano and pianist; Hal Lansing, ukulele; 7-8, dinner concert, Ralph Keim, pianologue; Anne Keim, mezzo-soprano; Otis Pike Jester, soprano; Mary Trash House, pianist, Ralph Keim, pianologues; Anna Keim, mezzo soprano; 10-3 a. m., Ralph Williams and his Rainbo Skylarks; Dr. Carl Bertschinger, pianist; Jerry Sullivan, singing "Whadd-a-ya-say?"; Rose Vanderbosch, soprano and pianist; Hal Lansing, ukulele; Everett George Opie, dramatic director and character reader; Clarence Theders, tenor; Joe Warner, character songs; The Oxford Girls, harmony singers, Juanita Swank and Loretta Cluman; Rita McFawn and Mary Bieber, harmony duo; George Thurn, kazoo and uke.

WOK, Chicago, Ill. (217.3m-1380kc), 4:30-7 p. m., Capitol theater organ; Howard Will, tenor; 10-1, Tearney's Town club orchestra; Carl Lorraine's Pershing Palace orchestra; Husk O'Hare's Cocoanut Grove orchestra; Capitol theater program.

WOQ, Kansas City, Mo. (278m-1080kc), 8-9 p. m., musical program; 10-11, musical healing service.

WORD, Batavia, Ill. (275m-1090kc), 8-10 p. m., Webster hotel orchestra and concert program; Webster hotel concert trio and solo artists.

WRR, Dallas, Texas (246m-1220kc), 12-1 p. m., "Pair of Jacks," Davis and Bell; 5:15, bedtime story; 6-7, dinner hour concert, Jack Gardner's orchestra; 8-9, program, auspices Cecilian music club; 12-1, organ recital, George Perfect and assisting musicians.

WSAI, Cincinnati, Ohio (325.9m-920kc), 6:30 p. m., Freda Sanker's orchestra; 7:30, children's stories, Mrs. Ethel Knapp Behrman; 7:50, chime concert, Robert Badgley; 8:15, Bicycle Playing Card sextet; 12, Freda Sanker's orchestra.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., Atlanta Atwater Kent; 10:45, Ernest Rogers Red-Head club.

WSM, Nashville, Tenn. (282.8m-1060kc), 6:30 p. m., concert, Francis Craig's orchestra; 7, bedtime story; 8, Uncle Jimmy Thompson; 9, J. P. Balle, pianist; 10, Chesterfield Four; 10:30, barn dance program.

WSMB, New Orleans, La. (319m-940kc), 9:30-11:30 p. m., Cotton Pickin' Twins, Ray McNamara, pianist.

Mountain Time Stations

KFXF, Colorado Springs, Colo. (250m-1200kc), 8:30-11 p. m., studio musicale.

KOA, Denver, Colo. (322.4m-930kc), 12:15 p. m., Rialto theater musicale; 9, Harmony Peerless orchestra; 10:30, Scheuerman's Colorado orchestra.

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 5:30-6 p. m., California serenaders; 6, Nightly doings; 6:15, KFI's Seeing California; 6:30, vest pocket program; 6:45, Radiotorial period; 7-8, Gamut male quartet; 8-9, Packard Six dance orchestra; 9-10, Louise Klos string trio; 10-11, Packard Radio club with usual favorites; 11-3 a. m., KFI's midnight frolic, Don Meaney, master of ceremonies.

KFOA, Seattle, Wash. (454.3m-660kc), 9:30-11 p. m., Jackie Souder's club.

KFON, Long Beach, Calif. (232.4m-1290kc), 6-6:30 p. m., organ, Brayton's theater; 6:30-7, Amusement information; 7-7:30, Investors' hour; 7:30-9, Long Beach Municipal band; 9-11, Echophone artists frolic.

KFWA, Ogden, Utah (261m-1150kc), 4-5 p. m., organ recital, Paramount theater; 5-6, Ogden Radio dealers' program; 9-10:30, music, Paramount theater; 10:30-12 midnight, dance music, Olie Reeves and his orchestra.

KFWB, Hollywood, Calif. (252m-1190kc), 8-9 p. m., Lyric string trio; Eunice Wynn, soprano; Bill Hatch and Ray Kellogg, the jazz twins; Ashley Sisters, vocal duets; 9-11, program, Reeve-Gartzmann, Inc., presenting the Oakland Six dance orchestra, Charlie Wellman, tenor.

KGO, Oakland, Calif. (361.2m-830kc), 8:45 a. m., songs, William H. Hancock; 4-5:30 p. m., concert orchestra, Hotel St. Francis; 8:10, "The Geisha," Japanese comedy, Carl Anderson, director; 10-12, Girvin-Deuel's Californian Collegians.

KGW, Portland, Ore. (491.5m-610kc), 10-11:30 a. m., the town crier; music; 12:30-1:30, concert, Oregon Radio Trades association; 6-7, dinner concert, Olds Wortman and King company; 9-12 midnight, dance music, Multnomah hotel; intermission piano solos, Curt Kremer.

KHJ, Los Angeles, Calif. (405.2m-740kc), 6-6:30 p. m., Leighton's Arcade cafeteria orchestra, Jack Cronshaw, leader; 6:30-7:30, history story, Prof. Hertzog; Dolly Wright, Henrietta Poland and Uncle John; 8-10, program, Broadway Department store.

KMTR, Hollywood, Calif. (238m-1260kc), 6-7 p. m., Starr Piano company studio; 8-10, The Turner orchestra in classical selections, Loren Powell director.

KNX, Hollywood, Calif. (336.9m-890kc), 5-5:30 p. m., Sunny Jim's story; 5:30, First Presbyterian church organ; 5:55, Town Tattler; 6:15, travel talk, W. F. Alder; 6:30-7, Atwater Kent Radio orchestra; 7, stories of insect life, H. W. McSpadden; 7:15, church announcements; 7:30-8, studio program; 8-11, KNX feature program; 11-2 a. m., Filmland Frolickers.

KOWW, Walla, Walla, Wash. (256m-1170kc), 8-12 midnight musicale.

KPO, San Francisco, Calif. (428.3m-700kc), 7, 7:30, 8 a. m., daily dozen exercises; 10:30, "Ye Towne Cryer"; 1-2 p. m., Rudy Seiger's Fairmont hotel orchestra; 2:30-3:30, popular music, Willard Ridings' orchestra; piano solos, Helen Heineman; 3:30-5:30, Cyrus Trobbe's Palace hotel concert orchestra; 6:30, "Ye Towne Cryer"; 6:35-7:30, Waldemar Lind and the States Restaurant orchestra; 8-12 midnight, Fairmont hotel dance orchestra, Red Code, director.

KPSN, Pasadena, Calif. (315.6m-950kc), 8-9 p. m., Star-News concert; 9-10, dance orchestra, Maryland hotel.

KTAB, Oakland, Calif. (240m-1250kc), 12-1 p. m., luncheon concert.

Sunday, silent night for: CFAC, CHIC, CKNC, CNRA, CNRC, CNRE, CNRM, CNRO, CNRR, CNRT, CNRV, CNRW, KFAB, KFAU, KFKX, KFKU, KFMQ, KFOA, KFVE, KFWA, KLX, KMA, KMTR, KOAC, KOB, KOWW, KSAC, KSO, KWSC, PWX, WABQ, WAHG, WCAD, WCX, WDAF, WEAO, WEBJ, WEBW, WGES, WGHB, WGST, WHAD, WHAS, WHAZ, WJAZ, WJJD, WKAF, WKAQ, WKAR, WMAQ, WMC, WNYC, WOI, WOO, WRC, WRVA, WSB, WTAM.

Eastern Time Stations

CFCA, Toronto, Can. (356.9m-840kc), 11 a. m., St. Paul's Angelican church services, Canon H. J. Cody, preacher; 7 p. m., Timothy Eaton Memorial church services, Dr. Trevor Davies, preacher.

CKAC, Montreal, Can. (410.7m-730kc), 2:45 p. m., Capitol theater symphony, Jerry Shea, director; organ selections, Buddy Payne; vocal and instrumental.

CHIC, Toronto, Can. (356.9m-840kc), 5 p. m., George H. Graham, organist.

KDKA, Pittsburgh, Pa. (309.1m-970kc), 11 a. m., church services; 4 p. m., organ recital, Dr. Charles Heinroth; 4:45, vesper services, Shadyside Presbyterian church, Rev. Hugh Thomson Kerr, pastor; 7:15, chimes, Calvary Episcopal church; 6:30, dinner concert; 7:45, services.

WBAL, Baltimore, Md. (246m-1220kc), 6:30-7:30 p. m., twilight program; "Al Grieg" program, WBAL concert orchestra; Gustav Klemm, conductor; John Wilbourn, tenor; George Bolek, pianist.

WBBR, New York, N. Y. (273m-1100kc), 10 a. m., violin-viola duets, Prof. Charles Rohner and Martin Hartman; 10:15, Sunday school lesson, W. N. Woodworth; 10:25, violin-viola duets; 10:35, I. B. S. A. choral singers; 11:30, I. B. S. A. choral singers; 11:40, violin-viola duets; 11:50, I. B. S. A. choral singers; 2 p. m., Watchtower orchestra; 2:30, Fred Twaroschk, tenor; 2:40, Bible study; 2:50, Fred Twaroschk, tenor; 3:30, Fred Twaroschk, tenor; 3:40, Watchtower orchestra; 9, Watchtower violin choir; 9:15, Bible questions and answers; 10, Watchtower violin choir.

WBZ, Boston, Mass. (333.1m-900kc), 10:45 a. m., church services, Trinity church; 7 p. m., Sunday evening dinner concert, Copley Plaza orchestra, W. Edward Boyle; 8, varied program, saxophone orchestra, 25 pieces; instrumental trio.

WCAU, Philadelphia, Pa. (278m-1080kc), 5 p. m., recital; 5:15, Undenominational church service; 5:25, "Humanizing Life as Taught in the Creation Story," talk, Rev. John W. Stockwell; 5:35, recital; 5:45, "Like the New Buds of Spring," Rev. John W. Stockwell; 6:45, Clarence Seaman and his Hotel Pennsylvania orchestra; 7:45, Cathay concert orchestra; 8:30, Bonwit Teller Light Opera company; 9, Potash and Perlmutter.

WEAF, New York, N. Y. (491.5m-610kc), 2-3 p. m., services, Federation of Churches; Rev. Herbert LaFlamme; Lotta Madden, soprano; Mildred Bryars, contralto; Albert Miller, tenor; Arthur Billings Hunt, baritone; George Shackley, pianist; 3-4, Young People's conference; 4-5:30, Men's conference; Gloria Trumpeters; George Betts, chime soloist; Mr. and Mrs. Howard Wade Kimsey, baritone; 7:20-9:15, musical program, Major Edward Bowes and the Capitol family; 9:15-10:15, Atwater Kent hour; Anna Case, soprano; Max Jaffe, accompanist.

WEAR, Cleveland, Ohio (389.4m-770kc), 3:30 p. m. Goodyear concert orchestra afternoon musicale; 7, Stillman theater orchestra, Maurice Spitalny, director; 7:45, Fireside hour; 8:30, Vincent Percy, organist; 9:15, Atwater-Kent hour, WEAF.

WEEI, Boston, Mass. (348.6m-860kc), 10:50 a. m., Old South church services; 2 p. m., Golden Rule hour of music; 3, Chamber of Commerce organ recital; 6:20, Portsmouth naval band and assisting soloists; 7:20, Major Bowes and his Capitol family; 9:15, Atwater Kent hour.

WFI, Philadelphia Pa. (394.5m-760kc), 4:30 p. m., talk, Hon. Walter M. Chandler; 7:30, services, Arch Street Presbyterian church, Dr. Clarence E. Macartney; 9:15, Atwater Kent hour, Anna Case, soprano; Max Jaffe.

WGBS, New York, N. Y. (315.6m-950kc), 3:30 p. m., Crystal Palace orchestra.

WGCP, New York, N. Y. (252m-1190kc), 3-5:30 p. m., Sunday afternoon concert.

WGY, Schenectady, N. Y. (379.5m-790kc), 10:30 a. m., services, Emmanuel Baptist church, Rev. A. W. Rogers, pastor; 12:30 p. m., symphony society concert, Walter Hampden theater; Josiah Zuro, conductor, WJZ; 3, musical program, Syracuse, N. Y.; 5, organ recital, Dr. Frank Sill Rogers, T. Roy Keefer, violinist; 7:30, services, Emmanuel Baptist church; 9, studio program; 10, Godfrey Ludlow, violinist, WJZ.

WGR, Buffalo, N. Y. (319m-940kc), 10:45 a. m., Westminster Presbyterian church; 7:45 p. m., Central Presbyterian church; 9:15, jointly with WEAF, Atwater-Kent program.

WHAR, Atlantic City, N. J. (275m-1090kc), 10:45 a. m., morning services, Chelsea Baptist church; 2:15 p. m., sacred recital, Seaside hotel trio; 2:45, sermon; 7:50, Chelsea Baptist church.

WHN, New York, N. Y. (361.2m-830kc), 11:30 a. m., Calvary Morning service; 12:30-1 p. m., Lexington organ recital; 2-3, Queen's County Christian Endeavor program; 3-4, Radio Bible class; 5-5:30, Roseland dance orchestra; 7:30-9:45, Calvary evening service; 10:15-10:45, Anatol Friedlans; 10:45-11:15, Janssen's Hofbrau orchestra; 11:30-12, Twin Oaks orchestra; 12-12:30, Harry Richman and his entertainers.

WIP, Philadelphia, Pa. (508.2m-590kc), 4 p. m., religious talk, Hon. Fletcher Stities; 7:15, services, Holy Trinity church; 10, Opera "Il Trovatore"; Ben Stad and his WIP Little Symphony orchestra.

WJAR, Providence, R. I. (305.9m-980kc), 7:20 p. m., Capitol theater family; 9:15, Atwater-Kent Radio hour.

WLIT, Philadelphia, Pa. (394.5m-760kc), 2:15 p. m., Arcadia café concert orchestra; 6:30, Benjamin Franklin organ recital; 7, Benjamin Franklin hotel concert orchestra.

WLWL, New York, N. Y. (288.3m-1040kc), 8 p. m., Paulist choristers.

WMAK, Buffalo, N. Y. (266m-1130kc), 10:25 a. m., morning service, First Presbyterian church, Rev. Stewart M. Robinson, pastor; 7:30 p. m., Churchill tabernacle evening services.

WMBF, Miami Beach, Fla. (384.4m-780kc), 7-9 p. m., Fleetwood Radio orchestra; 10-1 a. m., Gene Fosdick and his orchestra; Fleetwood Radio orchestra.

WMCA, New York, N. Y. (340.7m-880kc), 11 a. m., Fifth Church of Christ, Scientist; 3 p. m., readings from All Soul's church, Rev. Dr. Minot Simons; 5:30, Woodmansten Inn orchestra; 6, Roemer's Homers; 7, Hotel McAlpin orchestra; 7:30, Olcott Vail and his Hotel McAlpin string ensemble; 8, "Lacquer," Hugo Zeller; 9:30, Donald Flamm's Frolickers.

WOO, Philadelphia, Pa. (508.2m-590kc), 10:30 a. m., services, Bethany Presbyterian church; 2:30, Sunday school exercises, Bethany temple; 6, organ recital, Clarence K. Bawden.

WREO, Lansing, Mich. (285.5m-1050kc), 10 a. m., chimes, belfry Plymouth Congregational church; 10:30, services, First Baptist church, Rev. Ralph W. Hobbs, pastor; Mrs. Henry Chambers, organist; 7 p. m., services, Central M. E. church, Rev. Frank Kingdon, pastor; James Tillitson, organist.

WTAG, Worcester, Mass. (268m-1120kc), 4-5:30 p. m., Y. M. C. A. program; 7:20-9:15, Capitol theater; 9:15-10:15, Anna Case, soprano, Atwater Kent Radio hour.

WTIC, Hartford, Conn. (475.9m-630kc), 5 p. m., Newberry organ recital, Prof. Jepson; 9, concert, Church of the Good Shepherd choir.

WWJ, Detroit, Mich. (352.7m-850kc), 11 a. m., St. Paul's Episcopal Cathedral services; 2 p. m., Detroit News orchestra; 7:20, Capitol theater family, WEAF; 9:15, operatic stars.

Sunday, February 14

Headliners Today

Eastern	Central	Mountain	Pacific
6:30 p. m.	**5:30 p. m.**	**4:30 p. m.**	**3:30 p. m.**

WBAL (246m-1220kc) "All Greig" program.

8	7	6	5

WLWL (288.3m-1040kc) Paulist choristers.

8:30	7:30	6:30	5:30

WCAU (278m-1080kc) Bonwit-Teller light opera company.

9	8	7	6

WTIC (475.9m-630kc) Church of the Good Shepherd choir.

9:15	8:15	7:15	6:15

WEAF (491.5m-610kc), WEEI, WCAP, WJAR, WGR, WCAE, WSAI, WWJ, WOC, WCCO, WGN, WEAR, KSD, WTAG, WOO, Atwater Kent program.

10	9	8	7

WIP (508.2m-590kc) Opera, "Il Trovatore."

10:30	9:30	8:30	7:30

KTHS (374.8m-800kc) Best loved songs of the Southland.

11	10	9	8

KHJ (405.2m-740kc) Fifteenth Annual Orange Show program.

12	11	10	9

KFWB (252m-1190kc) Sunday night movie frolic.
KNX (336.9m-890kc) Russian string trio.
WFAA (475.9m-630kc) "A Pair of Jacks."

12:15 a. m.	**11:15**	**10:15**	**9:15**

KPO (428.3m-700kc) Allan McQuhae, tenor.

1	12	11	10

KFI (467m-642kc) Packard Six dance orchestra.

WBAL GIVES GREIG PROGRAM SUNDAY

Sunday, February 14

Central Time Stations

CKY, Winnipeg, Can. (384.4m-780kc), 7 p. m., church services; 9, Eveready hour, classical music, Earle C. Hill's Capitol theater orchestra.

KFAB, Lincoln, Nebr. (340.7m-880kc), 12-2 p. m., orchestra; 4-5:30, vesper service; 9-11, musicale.

KFDM, Beaumont, Texas (315.6m-950kc), 11 a. m., services, First Christian church; 7:30 p. m., services, First Christian church.

KFEQ, Oak, Nebr. (267.7m-1120kc), 4 p. m., Sutton, Nebr., old-time fiddlers; 8:30-10, Eddie Fales' dance orchestra.

KFKU, Lawrence, Kan. (275m-1040kc), 4 p. m., vespers, School of Finer Arts.

KFNF, Shenandoah, Iowa (263m-1140kc), 10:45 a. m., First M. E. church; 2:30 p. m., Golden Rule song service; 3, Free Methodist General Conference; 6:30, Golden Rule circle; 7:30, Christian church services.

KFRU, Columbia, Mo. (499.7m-600kc), 7:30 a. m., sunrise service, Nellie Lee Holt; 9:20, Burrall Bible class, Jessie Burrall; 7:30 p. m., First Baptist church, Rev. Luther Wesley Smith, pastor.

KFUO, St. Louis, Mo. (545.1m-550kc), 4 p. m., "Look Up and Lift Up Your Heads, For Your Redemption Draweth Nigh"—Comfort Against the Passing Away of the Present World and the Coming of Judgment; 9:15, "Be Thou Faithful Unto Death and I Will Give Thee a Crown of Life," Rev. P. E. Gose; songs and music.

KLDS, Independence, Mo. (441m-680kc), 11 a. m., Stone church service; chorus choir; Mrs. E. C. Harrington, soprano; Robert Miller, organist; 3 p. m., sacred program, Watson Memorial M. E. church; Mrs. R. W. Rucker, soprano; Mrs. C. E. Krimminger, soprano; Mrs. Anna Rued, contralto; Mrs. Ira Drymen, contralto; Hazel Cook, organist; Edward Schowengerdt, baritone; sermon, Rev. W. E. Brown; 6:30, vesper service, Walnut Park quartet; sermon, Elder U. W. Greene; 9:15, Walnut Park choir; Mrs. C. E. Haden, soprano.

KMA, Shenandoah, Iowa (252m-1190kc), 12:15-1:15 p. m., sacred songs, Mrs. May; 4-5, church choir music; 5-6, Bible study, G. H. Van Houten.

KOIL, Council Bluffs, Iowa (278m-1080kc), 11 a. m., First Congregational church services, Rev. J. R. Perkins, pastor; 1 p. m., dinner program; Randall's Royal Fontenelle orchestra; 7:15, "The Sleepy Time Girl," Bernice Clizbe; 7:30, popular program; Monarchs, Jerry McMillan, director; 11, college club orchestra.

KPRC, Houston, Tex. (296.9m-1010kc), 10:45 a. m., First Methodist church services, Rev. A. Frank Smith, pastor; Mrs. E. G. Rountree, organist; Mrs. John Wesley Graham, director; 7 p. m., St. Paul's chimes, rung by Edith Brown; 7:30, St. Paul Methodist church services, Rev. K. P. Barton, pastor; Mrs. Anna Clyde Plunkett, director; Edith Brown, organist; 9:30, concert.

KSD, St. Louis, Mo. (545.1m-550kc), 6:15 p. m., St. Louis Post-Dispatch concert orchestra; 8:15, Atwater Kent hour, WEAF.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 11-12:15 p. m., Saint Luke's Episcopal church services, Rev. Charles Collins, pastor; 9-9:15, tenor solo recital, Arthur Platz; 9:15-9:30, piano selections, Elizabeth Bowe; 9:30-10, songs, New Arlington hotel grand ensemble, Lon Chassy, conductor; 10-11:30, Arkansas Traveler Limited frolic, Benny Ford and his musical train crew.

KWWG, Brownsville, Texas (278m-1080kc), 2:30 p. m., church service.

KYW, Chicago, Ill. (535.4m-560kc), 11 a. m., Central church; 2:30 p. m., chapel service; 4:30, program, Edwin Harper, director; 7, Chicago Sunday evening club; Clifford W. Barnes, president; "Washington and Lincoln," Dr. Edgar DeWitt Jones; 9:30, classical program, Commonwealth Edison company.

WAMD, Minneapolis, Minn. (244m-1230kc), 10:30 a. m., First Unitarian church services, John Dietrich, pastor; 6:45, Arthur H. Faust, Leone Faust and WAMD Radio stock company; 9:30, Gayle Wood, pianist; Harmony hurricane.

WBAP, Fort Worth, Texas (475.9m-630kc), 9:30 p. m., Chief Gonzales' Texas hotel Royals.

WBBM, Chicago, Ill. (226m-1330kc), 12:30-2 p. m., classical program; William P. Zimmer, tenor; Harold Morava, lyric tenor; Kantor and Kritz; Sandy Meek and Harry Sosnik; Edna Wheeler Ballard, harpist; little Caruso and Moulin Rouge operatic quartet; 4-6, Larry Shay; Lew Russell; Spencer, Lavergne and Shayne, zylophonist; Pete Kules; Tip trio; Ziegler sisters; Two Jays; Harold Anderson; Charlie Garland; George Thurn, uke and kazzo; visualized Hawaiian guitar artists; Shaynes melody monarchs; Rudy Winter; Floyd Falch; 8-10, Sunset male quartet; WBBM string trio; Maurice Silverman; Moulin Rouge orchestra; Vivian Sheffer, contralto; Pauline Stiffler, violinist; Rudy Winter; Floyd Falch; 12-2, Nutty club; Moulin Rouge orchestra.

WCAL, Northfield, Minn. (336.9m-890kc), 8:30 a. m., Norwegian church services, Rev. K. O. Lundeberg; 8:15 p. m., Rev. Nils Kleven; Mrs. Edwin Brye, pianist; Alvin Martinson, tenor; Sylvina Sundal, soprano.

WCBD, Zion, Ill. (344.6m-870kc), 8 p. m., mixed quartet; Fred Faassen, organist; Mr. and Mrs. Steel, vocal duets; Mrs. Hill and Mrs. Wedekind, vocal duets; Daniel Mason, trombone solos; Alexander DePew, flute; Richard F. Hire, violinist; Mrs. Blanche Keeler, readings.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 10:50 a. m., Hennepin Avenue M. E. church; 4:10 p. m., House of Hope Presbyterian church; 6:20, Second Church of Christ, Scientist; 8:15, Atwater Kent program, Anna Case, soprano.

WDAF, Kansas City, Mo. (365.6m-820kc), 3-4 p. m., ladies' glee club, Missouri Wesleyan college; 4-4:45, Sabbath vespers.

WDOD, Chattanooga, Tenn. (256m-1170kc), 7:30-9 p. m., services.

WEBH, Chicago, Ill. (370.2m-810kc), 10:45 a. m., Seventh Church of Christ, Scientist; 7-8 p. m., artists' program.

WENR, Chicago, Ill. (266m-1130kc), 2-4 p. m., concert and sacred program; Rauland-Lyric trio; church music; John L. Baker, tenor; John A. MacFarland, basso; 9:30-12, popular program; All-American Pioneers; Cora Deacon; G. W. Voss, basso; Frank Westphal, pianist; Everett G. Mitchell, baritone.

WFAA, Dallas, Tex. (475.9m-630kc), 2:30-4 p. m., Sunday hour for farmers; music; 6-7, Radio Bible class, Dr. William M. Anderson, pastor First Presbyterian church; Bible study and Gospel song; 7:30-8:30, services, City Temple, Dr. B. P. Fullerton, pastor; 8:30-9:30, East Dallas Christian church quartet, Dan Rodgers, director; 11-12, Jack A. Davis, pianist; Jack Bell, tenor, "A Pair of Jacks."

WGES, Oak Park, Ill. (250m-1200kc), 10:15-2 a. m., Austin M. E. church services, Dr. James L. Gardiner, pastor; choir, organ; 5-7:40, Moody Bible institute program; 11-12, organ, sacred and classical.

WGN, Chicago, Ill. (302.8m-990kc), 10:45-11:45 a. m., Uncle Walt; 11:45-12:45 p. m., Sunday noon musical hour, Chicago theater; 12:45-1:45, Chicago theater complete performance; 2-3, Edwin Stanley Seder's organ concert; Lyon and Healy studio; 3-4, concert, Chicago Philharmonic orchestra; 4-5, musical program; 5-5:15, old time favorite songs; 7-7:30, musical program; 7:30-7:45, old time favorite songs; 7:45-8:15, musical program; 8:15-9:15, Atwater Kent concert; 9:15-10, musical program.

WHAD, Milwaukee, Wis. (275m-1090kc), 3:15 p. m., Turnverein symphony orchestra.

WHAS, Louisville, Ky. (399.8m-750kc), 9:57 a. m., organ prelude; 10, Broadway Baptist church services, Rev. Dr. Spencer Tunnel, pastor; choir music, H. U. Woodwin, director and organist; Mrs. O. W. Edinger, soprano; Angeline McCrocklin, contralto; Charles H. Barnes, Jr., tenor; William Cornwell, baritone; 4:30-5:30, evensong choral service, Christ church cathedral, Rev. Richard L. McCready, dean; Ernest Arthur Simon, organist and choirmaster; boys' choir.

WHB, Kansas City, Mo. (365.6m-820kc), 9:40-10:45 a. m., Linwood Blvd. Christian church services, Dr. Burris Jenkins, minister; Rev. Mr. E. A. Blackman, co-minister; 11:45-12:30 p. m., Independence Blvd. Christian church service, Dr. R. H. Miller, minister; 8-9:15, Westport M. E. church services, Rev. W. A. Tetley, minister; 11:15, Sunday evening organ concert, Linwood theater.

WHO, Des Moines, Iowa (526m-570kc), 11 a. m., B'Nai Yeshurum Congregational church services, Eugene Mannheimer, rabbi; 7:30-8:30, Bankers' Life trio, Helen Birmingham, director; Myrtle Williams, soprano; Stewart Watson, baritone.

WIBO, Chicago, Ill. (226m-1330kc), 2-4 p. m., Sunday afternoon concert; Mr. Bunte and quartet, song biographies; Charlotte Edwards, contralto; Bernice Taylor, soprano; Chester Newman, baritone; 6-8, dinner concert; sacred songs, Walter Preston; WIBO string trio; Laura Remer, contralto; Sydney Ellstrom, baritone; Helen Snyder, soprano; Earl Bigelow, pianist; 10-12, popular program; The Jordans, Irene Beasley, Everette G. Mitchell; Eugene Wallenius, tenor; Marie Tully, soprano.

WJJD, Mooseheart, Ill. (370.2m-810kc), 7:45-8:45 a. m., Catholic services; 9:40-10:30, Protestant services; 3-4 p. m., Mooseheart Sunday concert.

WKAF, Milwaukee, Wis. (261m-1150kc), 4-6 p. m., Jean Hammond and her Tune Tinkers; Olga Christiansen, mezzo-soprano; Anne Bauman, contralto.

WKRC, Cincinnati, Ohio (422.3m-710kc), 6:45 p. m., services, Walnut Hills Christian church, Rev. J. J. Castleberry; 10, classical program, vocal and instrumental numbers; 11:30, Marion McKay and his dance orchestra.

WLIB, Chicago, Ill. (302.8m-990kc), 5-7 p. m., musical program.

WLS, Chicago, Ill. (344.6m-870kc), 6:30 p. m., prelude to WLS Little Brown church; 7, Little Brown church.

WMBB, Chicago, Ill. (250m-1200kc), 3-5 p. m., Trianon orchestra; Woodlawn theater orchestra; Earle Smith, Lucile O'Hara; Bob Duffy; 7:40-9, Fifth Church of Christ, Scientist; 9-11, Trianon orchestra; Woodlawn theater orchestra; Jack Goodwin; Billie Allen Hoff, Bob Bennet.

WNAD, Norman, Okla. (254m-1180kc), 9:30 p. m., Mu Phi Epsilon.

WOAN, Lawrenceburg, Tenn. (282.8m-1060kc), 9-10 p. m., quartet, sacred songs.

One of the voices well loved at KHJ, Los Angeles, is that of Ruth Pitts, soprano, above. She is a coast favorite. The young artist to the left is Rosita Escalana, pianist, who appears this month when the New England Conservatory of Music gives a program at WBZ, Springfield.

WOAW, Omaha, Nebr. (526m-570kc), 9 a. m., chapel service, Rev. R. R. Brown; 1:30 p. m., matinee program; 6, Bible study period, Mrs. Carl R. Gray, director; 9, chapel service.

WOC, Davenport, Iowa (483.6m-620kc), 1-2 p. m., Palmer Little symphony; 2:30-3:45, Second Christian conference; 8:15-9:15, Atwater Kent Radio artist; 9:45-11:45, Palmer Little symphony.

WOI, Ames, Iowa (270m-1110kc), 10:45 a. m., chimes; 11, chapel service, Dr. George Irving; 3 p. m., "Rose Maiden," cantata, Prof. Tolbert MacRea, director.

WOK, Chicago, Ill. (217.3m-1380kc), 1-2 a. m., Tearney's Town club orchestra; Carl Lorraine's Pershing Palace orchestra; Husk O'Hare's Cocoanut Grove orchestra; 6-1 a. m., Tearney's Town club orchestra; Pershing Palace orchestra; Husk O'Hare's Cocoanut Grove orchestra; Capitol theater complete musicale.

WOQ, Kansas City, Mo. (278m-1080kc), 11-12:30 p. m., services; 7-7:45, services.

WORD, Batavia, Ill. (275m-1090kc), 10 a. m., sacred solos and duets, W. E. Page; 2:30-3:30, program, Chicago Rapid Transit company; 7-8, Evensong service; 9-10:30, I. B. S. A. choral singers; Howard Hanks; Phyllis Burton.

WOS, Jefferson City, Mo. (440.9m-680kc), 9:30 a. m., religious services, Christian church, Rev. Walter M. Haushalter, pastor; 4:30 p. m., vesper services, First Presbyterian church, Rev. A. B. Jackson.

WQJ, Chicago, Ill. (447.5m-670kc), 9:30-11:30 a. m., People's church services; 3-4 p. m., Sunday afternoon concert, Jerry Sullivan, director; Ballantine stringed trio, Kirste Gallen Kallella, cellist; Helen Leon, violinist; Sadie A. Ballantine, accompanist; Oscar Werner, flute solos; operatic trio; Luella Schwarz, soprano; Milton Cooper, tenor; Russell Stern, basso; Monita Caldwell, piano solos; 8-10, Ralph Williams and his Rainbo Gardens orchestra; Pierson Thal, pianist; Marvyl Larson, soprano; Everett G. Mitchell, baritone; Frederick Mueller, German tenor; Kathryn Diepenbrock, pianist and accompanist; Lorena Anderson, soprano; Fontella trio; Peggy Jewett, first soprano; Bertha McGrath, second soprano; Evelyn Hendricks, contralto; Lillian Melcher, pianist.

WSAI, Cincinnati, Ohio (325.9m-920kc), 3-4:30 p. m., men's conference, Walter Riland, presiding; music, Gloria Trumpeters; 7:45, WSAI Radio chime concert, Robert Badgley; 8, sermonet, Press Radio Bible service; 8:15-9:15, program, Atwater Kent Radio hour, featuring Anna Case, soprano, Max Jaffe, accompanist; 9:15, Union Central Life Insurance company orchestra, Sigmund Culp, director.

WSB, Atlanta, Ga. (428.3m-700kc), 5 p. m., First Baptist church choir.

WSM, Nashville, Tenn. (282.8m-1060kc), 7:30 p. m., First Presbyterian church, Dr. James I. Vance.

WSUI, Iowa City, Iowa (483.6m-620kc), 4 p. m., vesper service, University orchestra; 9:15, familiar hymns, Celeste Fuhrmann.

Mountain Time Stations

KFXF, Colorado Springs, Colo. (250m-1200kc), 11-1 p. m., First Presbyterian church; 7:30-9 p. m., First Methodist church.

KOA, Denver, Colo. (322.4m-930kc), 10:55 a. m., St. John's Episcopal cathedral; 3 p. m., Karl O. Staps, organist; 7:25, St. John's Episcopal cathedral.

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 4-5 p. m., vesper service; 6:30, Nightly doings; 7-8, program, A. H. Grebe & company, presenting the Synchrophase string ensemble; 8-9, Aeolian residence pipe organ, Dan L. McFarland, organist; 9-10, Mabelle Hein and Her Blue Bird band; 10-11, Packard Six dance orchestra.

KFON, Long Beach, Calif. (232.4m-1290kc), 6-6:30 p. m., Brayton's theater organ; 6:30-7, amusement information; 7-7:45, investment hour; 7:45-9, service, First Church of Christ, Scientist; 9-11, studio program.

KFWB, Hollywood, Calif. (252m-1190kc), 9-11 p. m., Warner Brothers' Sunday night movie frolic; Jack Smith's dance orchestra; Jack Kurtz, whistling pianist; Albert Keglovich, violinist; Dan Gridley, tenor.

KGO, Oakland, Calif. (361.2m-830kc), 11 a. m., service, St. Luke's Episcopal church; 3:30 p. m., KGO Little Symphony orchestra; Marjorie Sprague Stoner, contralto; 8, St. Luke's Episcopal church.

KGW, Portland, Ore. (491.5m-610kc), 10:25-12 noon, services, First Presbyterian church; 7:30-9 p. m., services, East Side Baptist church; 9-10, concert, Chevrolet symphony orchestra.

KHJ, Los Angeles, Calif. (405.2m-740kc), 4-5 p. m., Masonic service; 6:30-7, Leighton's Arcade cafeteria orchestra, Jack Cronshaw, leader; 7-7:30, First Methodist Episcopal church; 8-10:30, program, Fifteenth National Orange show at San Bernardino; Jose Arias' Mexican orchestra and entertainers; Arion quintet.

KNX, Hollywood, Calif. (336.9m-890kc), 6:30-7 p. m., Unitarian church service; 7-9, First Presbyterian church of Hollywood; 9-10:30, program, Beverly Hills Nurseries with Russian string trio; Calmon Luboviski, master violinist.

KPO, San Francisco, Calif. (428.3m-700kc), 9:45-10:45 a. m., undenominational and non-sectarian church service; contralto solos, Lillian Waddington; improvisation, Uda Waldrop; 10:45, "Ye Towne Cryer"; 5-6, p. m., organ recital, Marshall W. Giselman; 6-6:30, Waldemar Lind and the States Restaurant orchestra; 6:30, "Ye Towne Cryer"; 6:30-8:35, Palace hotel concert orchestra, Cyrus Trobbe, director; 8:35-9, Rudy Sieger's Fairmont hotel orchestra; 9:15-10:15, Atwater Kent artist program, Ernest Ingold, Inc.; Allan McQuehae, tenor; Mildred Marsh, pianist.

KPSN, Pasadena, Calif. (315.6m-950kc), 8:45-9:45 p. m., Maryland artists' ensemble, Henri J. Van Praag, director.

KTAB, Oakland, Calif. (240m-1250kc), 9:45-10:45 a. m., Bible lecture, Prof. E. G. Linsley; 11-12:30 p. m., church service; 7:45-9:15, church service; 9:30-11, concert.

Monday, February 15

Headliners Today

Eastern	Central	Mountain	Pacific
7:30 p. m.	**6:30 p. m.**	**5:30 p. m.**	**4:30 p. m.**

WMCA (340.7m-880kc) Kurtz Karnival Kings.

7:45	**6:45**	**5:45**	**4:45**

WGY (379.5m-790kc) Pittsfield mixed quartet.

8:15	**7:15**	**6:15**	**5:15**

WLIT (394.5m-760kc) Mrs. Snyder's quartet.

8:30	**7:30**	**6:30**	**5:30**

WNYC (526m-570kc) Friendly Sons of St. Patrick's glee club.

9	**8**	**7**	**6**

WLIT (394.5m-760kc) Stanley hour of music.

9:30	**8:30**	**7:30**	**6:30**

WCAU (278m-1080kc) Monday Nighters.

10	**9**	**8**	**7**

KSD (545.1m-550kc) Scotch program.
KYW (535.4m-560kc) An hour of music.
WEAF (491.5m-610kc), WOO, WJAR, WCAP, WTAG, WCAE, WSAI, Grand opera, "La Sonnambula."

10:30	**9:30**	**8:30**	**7:30**

KFXF (250m-1200kc) Musicale.
KTHS (374.8m-800kc) Semi-classic hits.

10:50	**9:50**	**8:50**	**7:50**

WTIC (475.9m-630kc) Works of Franz Schubert. Travelers' symphonic ensemble.

"SUNSET LIMITED OF 1926" AT KPRC;

POPULAR CONCERTS INDEX

Saturday, February 13

Eastern	Central	Mountain	Pacific
7:30 p. m.	6:30 p. m.	5:30 p. m.	4:30 p. m.
WFAA.			
8	7	6	5
WAMD, WLS.			
9	8	7	6
WBBM, WEAF, WENR, WGBS, WLS, WMAQ, WNYC.			
10	9	8	7
KFAB, KPRC, WBBM, WEBH, WENR, WGN, WLS, WMBB, WREO.			
11	10	9	8
KFVE, KFWB, KNX, KTHS, WBBM, WMBB, WOK, WQJ, WRC.			
12	11	10	9
KNX, KOIL, KPO, KPRC, WBBM, WEBH, WLS, WOAW, WOK, WQJ.			
1 a. m.	12 m.	11	10
KFWB, WDAF, WBBM, WEBH, WENR, WOK, WQJ, WSAI.			
2	1 a. m.	12 m.	11
KNX, WBBM, WEBH, WENR, WQJ.			

Sunday, February 14

Eastern	Central	Mountain	Pacific
9 p. m.	8 p. m.	7 p. m.	6 p. m.
WBBM.			
10	9	8	7
WBBM, WMBB.			
11	10	9	8
WMBB.			
12	11	10	9
KNX, KTHS.			
1 a. m.	12 m.	11 p. m.	10
KFWB, WBBM.			
2	1 a. m.	12 m.	11
KFWB.			

Monday, February 15

Eastern	Central	Mountain	Pacific
7 p. m.	6 p. m.	5 p. m.	4 p. m.
WBBM, WFAA, WOAW.			
8	7	6	5
WGBS.			
9	8	7	6
WCAU, WEAF, WGR, WKRC, WOK.			
10	9	8	7
KFAB, WEBH, WGR, WKRC, WMCA, WOAW, WOK, WSOE.			
11	10	9	8
KFAB, KFVE, WOK.			
12 m.	11	10	9
KLX, KNX, KOIL, WAMD, WEBH, WHO, WOK.			
1 a. m.	12 m.	11	10
KFWB, KLX, WAHG, WDAF, WHT, WKBC, WOK.			
2 a. m.	1 a. m.	12 m.	11
KFWB.			

Tuesday, February 16

Eastern	Central	Mountain	Pacific
7 p. m.	6 p. m.	5 p. m.	4 p. m.
WMCA, WOAW.			
8	7	6	5
WBBM, WEAR.			
9	8	7	6
WBBM, WEAR, WBZ, WSB.			
10 p. m.	9 p. m.	8 p. m.	7 p. m.
WBBM, WEBH, WMMB, WOAW.			
11	10	9	8
WSAI (325.9m-920kc) Community night.			
12	11	10	9
KFI (467m-642kc) Slavonic music, Zahpad trio. KNX (336.9m-890kc) Glassmobile minstrels.			

Monday, silent night for: CNRA, CNRC, CNRE, CNRM, CNRO, CNRR, CNRT, CNRV, CNRW, KFAU, KFDM, KFEQ, KFMQ, KFMX, KFWA, KHJ, KLDS, KYW, PWX, WBBM, WBCN, WCAD, WCBD, WEAO, WEBH, WEBJ, WEBW, WENR, WGBS, WGES, WGN, WHAS, WHT, WIBO, WIP, WJAZ, WJJD, WKAQ, WLIB, WLS, WMAQ, WMBB, WOAI, WOC, WOK, WORD, WQJ, WRC, WREO.

Eastern Time Stations

CKAC, Montreal, Can. (410.7m-730kc), 1:45 p. m. luncheon music.

CKNC, Toronto, Can. (356.9m-840kc), 8-10 p. m., CKNC Little Symphony orchestra; Aeolian male quartet; Hazel Hall-VanderVoort, soprano.

KDKA, Pittsburgh, Pa. (309.1m-970kc), 7:15, 8 a. m., morning services, O. Shannon; 5:15 p. m., children's period; 6:30, dinner concert; 9, Ruud light opera hour.

WABQ, Haverford, Pa. (261m-1150kc), 11 p. m., Horace Hustler, organist; William Stewart, pianist.

WAHG, Richmond Hill, N. Y. (315.6m-950kc), 12:03 p. m., Grebe matinee trio; 7:30, Brooklyn Technical high school glee club; 8, Synchrophase hour; 9-9:45, Alvah Nichols' quartet; 10:03, program; 10:20, Joe Zimmerman's orchestra; 12, midnight popular program.

WBAL, Baltimore, Md. (246m-1220kc), 6-6:30 p. m., children's program; 6:30-7:30, dinner program, WBAL dinner orchestra, Robert P. Iula, director; 7:30-8, organ program, Frederick D. Weaver; 8-9, musical program, Melva Forsyth, contralto; Conner Turner, baritone; Arthur Morgan, violinist; 9-9:10, Hans Schuler, director Maryland Institute; 9:10-10, musical program, Rose Gaither, soprano; Phillip Jeffreys and Josef Pritette, pianists.

WBBR, New York, N. Y. (273m-1100kc), 8 p. m., Irene Kleinpeter, soprano; 8:20, Josephine Locke, violinist; 8:30, Bible instruction; 8:40, Irene Kleinpeter, soprano; 8:50, Josephine Locke, violinist.

WBZ, Boston, Mass. (333.1m-900kc), 6:30 p. m., Little symphony orchestra; 7:30, organ recital, Irene Dagenais; 8, Capitol theater orchestra, J. Fred Turgeon, director; 8:30, Rollstone male quartet; 9, concert, Aleppo drum corps of Shriners' band; 9:30, Movie club, George Reese, director; vaudeville attractions, Loew's State theater.

WCAU, Philadelphia, Pa. (278m-1080kc), 7:30 p. m., recital, N. Snellenburg and company; 8, Carolyn Thomas, soprano, Ella Jaquette Kratz, pianist; 8:45, recital; 9, Al Wing and his Sugar Cane orchestra; 9:30, Carl Smith's Monday Nighters; 10, Arline R. Smith, soprano, Sarah Snyder, pianist; Kathryn Elgthorne, contralto, Virginia Klein, pianist; 10:30, Parodians orchestra.

WEAF, New York, N. Y. (491.5m-610kc), 6:45, 7, 7:20 a. m., health exercises; 7:35-8, prayer service; 11:05, Regina Besser, pianist; 4 p. m., Henri Beaugard, tenor; 6, dinner music; 7:20, Dorothy Chancellor Curry, pianist; 7:30, lullaby lady; 8, "Pop" concert; 8:30, Coal Miners' trio, Burns Brothers; 9, A. and P. Gypsies; 10, grand opera, "La Sonnambula," Cesare Sodero, director; 11-12, Ben Bernie and his orchestra.

WEAO, Columbus, Ohio (293.9m-1020kc), 1:30 p. m., music.

WEAR, Cleveland, Ohio (389.4m-770kc), 7 p. m., Allen theater orchestra.

WEEI, Boston, Mass. (348.6m-860kc), 6:45 a. m., health exercises; 7:30 p. m., Rainbow Rambler of Salem; 6:30, Joe Rines and his Hunters' Cabin orchestra; 7, Big Brother club; 7:45, Pearl Bates Morton, soprano; 8:15, Black Iron Shiners; 9, A. and P. Gypsies; 10, Scotty Holmes and his orchestra, Imperial marimba band.

WFI, Philadelphia, Pa. (394.5m-760kc), 1 p. m., tea room ensemble; 3, O'Henry stories, Emily Newland Eastland; talk, "Rome," Mrs. W. Ellis Groben; 6:30, Bellevue-Stratford concert orchestra; 7, Bellevue-Stratford dance orchestra.

WGBS, New York, N. Y. (315.6m-950kc), 1:30 p. m., Daniel Goedvile, baritone; Jeanne O'Daire, songs; 3:15, Blanche Waters, soprano; 6:30, Premier club orchestra.

WGCP, New York, N. Y. (252m-1190kc), 3 p. m., Eva Rothenberg, pianist; 3:20, Le Roy Montesanto, tenor; 3:35, studio program; 4:15, Uncle Robert's Pals; 5:10, Pallack and Dorn; 8:30, Strickland's orchestra; 9:10, Perry Bradford's Cotton Belt quartet; 9:30, Barnett Ginsberg, violinist; 10, Strickland's orchestra.

WGR, Buffalo, N. Y. (319m-940kc), 2:30 p. m., WGR's afternoon program; 6:30, Clef Dwellers orchestra; 8, Allen's Saxophone band; 9, popular program by Wheat's division, General Ice Cream corporation; 10, Buffalo Arts club program; 11, Vincent Lopez Hotel Statler dance orchestra, Harold Gieser, director; John F. Gunderman, Jr., at the organ.

WGY, Schenectady, N. Y. (379.5m-790kc), 2 p. m., Asia Restaurant orchestra; 2:30, music; 6:30, dinner program, Porter E. Potts' Hotel Van Curler orchestra; 7:45, old songs, Pittsfield mixed quartet.

WHAR, Atlantic City, N. J. (275m-1090kc), 2 p. m., Seaside hotel trio; 7:30, talk; dance orchestra; 8, Seaside hotel trio; 11:30, orchestra.

WHN, New York, N. Y. (361.2m-830kc), 6 p. m., Littman's dinner music; 7, Twin Oaks orchestra; 7:30, Joe Ward's Swanee entertainers; 8, "Storage Batteries." H. B. Shontz; 8:05, Roseland dance orchestra; 11, Cotton club orchestra; 11:30, Silver Slipper revue and orchestra; 12-12:30 a. m., Parody club orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 1 p. m., Gimbel tea room orchestra; 3, Philadelphia Conservatory of Music recital, assisted by Anna Speck, soprano, Flora Ripka, pianist; 6:05, Benjamin Franklin hotel concert orchestra; 7, Uncle Wip's bedtime stories; dancing lessons, Miller Conservatory of Dancing.

WJAR, Providence, R. I. (305.9m-980kc), 7:45 p. m., Providence Dairy Grade "A" entertainers; 8:15, Fairlawn entertainers; 9, A. & P. Gypsies; 10, Grand opera.

WKAR, East Lansing, Mich. (285.5m-1050kc), 8-9 p. m., dance program.

WLIT, Philadelphia, Pa. (394.5m-760kc), 12:02 p. m., daily almanac; Stanley theater organ recital; Arcadia cafe concert orchestra; 2, Arcadia cafe concert orchestra; 4:30, recital; 7:30, Dream Daddy's bedtime stories; 8:15, Mrs. Snyder's ladies' quartet; 9, Stanley hour of music; 10, Arcadia cafe dance orchestra; 10:30, vaudeville features, Fay's Knickerbocker theater; 10:45, Benjamin Franklin El Patio orchestra.

WLWL, New York, N. Y. (288.3m-1040kc), 9:20 p. m., music; 10:30, music; 10:45, music.

WMAK, Buffalo, N. Y. (266m-1130kc), 7:30-8:30 p. m., Murray Whiteman and his serenaders; 8:30-9, Olympic theater program.

WMBF, Miami Beach, Fla. (384.4m-780kc), 7-9 p. m., Fleetwood Radio orchestra; 10-1 a. m., Gene Fosdick and his orchestra; Fleetwood Radio orchestra.

WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Hotel McAlpin string ensemble; 6:30, Hotel McAlpin orchestra; 7:30, Kurtz Karnival Kings; 8, Terminal music hour; 9, lecture, Christian Science, Algernon Hervey-Bathurst; 10:45, Barclay Radio program; 11:30, Denny's orchestra.

WNYC, New York, N. Y. (526m-570kc), 6:20 p. m., piano selections; 8:30, Friendly Sons of St. Patrick glee club; 10:35, Richmond Versatile orchestra.

WOO, Philadelphia, Pa. (508.2m-590kc), 11 a. m., organ recital; 12:02 p. m., Golden's crystal tea room orchestra; 4:45, organ recital; 7:30, A. Candelori's French Room orchestra; 8, "Pop" concert; 9, A. and P. Gypsies; 10, grand opera, WEAF Grand Opera company; 11, Sylvania dance orchestra.

WOR, New York, N. Y. (405.2m-740kc), 6:45 p. m., Hotel Shelton ensemble; 7:30, Zit's Central Park Casino; 8:30, Al Reid's hour; 11, Crusaders orchestra.

WRC, Washington, D. C. (469.5m-640kc), 12 m., Henri Scott-Gregor, organist; 1 p. m., Shoreham hotel orchestra; 4:30, music.

WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., dinner concert, Speed-Wagon serenaders; Gold Standard ensemble.

WRVA, Richmond, Va. (256m-1170kc), 8:10 p. m., male chorus, J. Lamont Galbraith, director; 9:10, Acca Temple Shrine band, Nobel G. E. Mountcastle, director; 11, signing off.

WTAG, Worcester, Mass. (268m-1120kc), 12:05-2 p. m., WTAG orchestra; 9-10, Robin Hood hour of music; 10-11, "La Sonnambula," WEAF grand opera company.

WTAM, Cleveland, Ohio (389.4m-760kc), 6-7 p. m., Guy Lombardo and his Royal Canadians; 8-11, Patrick Henry high school band, St. Ann's boys' choir; 11-12, Austin Wylie's Vocalion Recording orchestra; 12-1 a. m., Royal Canadians.

WTIC, Hartford, Conn. (475.9m-630kc), 11:25 a. m., Beatrice Torgan, violinist; 12:05 p. m., luncheon music, Travelers' club orchestra; 6:30, Mother Goose, kiddies' entertainer, Bessie Taft; 6:50, Hub trio; 9, popular period; banjo and mandolin solos, Mr. and Mrs. F. C. Bradbury; 9:30, dance program, Emil Heimberger's Hotel Bond orchestra; 10:30, studio program, Franz Peter Schubert compositions; Travelers' symphonic ensemble.

WWJ, Detroit, Mich. (352.7m-850kc), 7:30-8 a. m., setting-up exercises, R. J. Horton; 9:30, "Tonight's Dinner;" 12:05, Jules Klein's Hotel Statler orchestra; 3 p. m., Detroit News orchestra; 6, dinner concert; 8, Ford Motor band; 9, A. & P. Gypsies.

Central Time Stations

CKY, Winnipeg, Can. (384.4m-780kc), 9 p. m., studio program; 11, revue, Metropolitan theater.

KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., dinner concert; 8:05-2 a. m., Univ. of Nebraska charter day program.

KFEQ, Oak, Nebr. (267.7m-1120kc), 2-3 p. m., Oak talent; 8:10, Edgar high school program.

KFKU, Lawrence, Kan. (275m-1040kc), 7:15 p. m., musical numbers, School of Fine Arts; Elise Arbuthnot, soprano.

KFKX, Hastings, Nebr. (288.3m-1040kc), 5:30 p. m., dinner concert, KDKA; 8:05-2 a. m., annual charter day program, Alumni association, Univ. of Nebraska.

KFMQ, Fayetteville, Ark. (299.8m-1000kc), 8 p. m., musical numbers, "Hearts Up," Owen Mitchel and his S. S. McKinley orchestra.

KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., concert, Henry Field Seed company.

KFRU, Columbia, Mo. (499.7m-600kc), 5:30 p. m., Bella Vista Quadrangle orchestra; 6:15, dinner program.

KFUO, St. Louis, Mo. (545.1m-550kc), 8 p. m., "The Young People and Their Work," Rev. W. Dietze; songs and music.

KFVE, University City, Mo. (240m-1250kc), 9:15 p. m., woman's hour, National Exposition; talks for amateur Radio enthusiasts, T. B. Gibbs; studio entertainers; Orchestra Romaine; Solan Nealy, organist.

KMA, Shenandoah, Iowa (252m-1190kc), 11:30-12:30 p. m., musical saw, J. A. Showers; 6-7, music; 9-11, Farnham trio.

KOIL, Council Bluffs, Iowa (278m-1080kc), 6:30 p. m., Ron's collegians; 7:30, Creighton dramatic club, Charles S. Costello, director; 9, Woodson's collegians; 10, Mona Motor Oil entertainers; 11, Al Reese and his Broadway orchestra.

KPRC, Houston, Tex. (296.9m-1010kc), 12 m., Frank Tilton, totally blind wonder boy pianist; 5:30 p. m., Uncle Judd's kiddies' hour; 7:30, Malon Gunn's dance orchestra; 8:30, Humble Oil and Refining company band, Charles Parker, director.

KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., fur hour, Alga Hambuechen, contralto; 9, Scotch program, Blanche MacGregor.

KSO, Clarinda, Iowa (242m-1240kc), 7-7:30 p. m., music; 7:30-9, G. W. Cain; Hay Mow Five; old-time contest.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9-9:30 p. m., Eastman eight orchestra, Jack Lube, director; 9:30-9:55, Arlington stringed quartet; Lon Chassy, violinist; Edward Richter, cellist; Henry Haynes, bass, and John Heyn, pianist; 10-11, Brick English's 10-piece novelty orchestra; 11-12, Firestone frolic.

KWWG, Brownsville, Texas (278m-1080kc), 8:30 p. m., military orchestra.

KYW, Chicago, Ill. (535.4m-560kc), 1-2 p. m., luncheon concert, Congress hotel; 6-7, KDKA symphony.

WAMD, Minneapolis, Minn. (244m-1230kc), 12 m., musical program, Colila Dare, contralto; Roy Nowack, banjoist; Jack Leeman, clarinetist; Chuck Johnson, uke; 5:45 p. m., WAMD Boys' A. C.; 6:15, WAMD "Traffic Squad"; 7:01, Garrick theater symphony orchestra, Fred Heiseke, director; 7:20, classical program; 11, Skyrocket frolic, George Osborn's orchestra.

WBAP, Fort Worth, Tex. (475.9m-630kc), 7:30 p. m., Harrison's Texans; 9:30, Ward's Trail Blazers; 11, Majestic theater.

WBBM, Chicago, Ill. (226m-1330kc), 4-6 p. m., Valentino Inn orchestra; Harry Sosnik, Sandy Meek; Irene Beasley; Jack Pennewell and Freddy Palmitter; Court Banks; Joe McManus; Edna Wheeler Ballard, harpist; 6-7, Beulah Mowers, pianist; Two Jays; Charlie Garland; Lew Russell; George Marbach; Floyd Fulch, Fair and Warmer, pianists; Dave Handler, violinist.

WCAL, Northfield, Minn. (336.9m-890kc), 8:30 p. m., St. Olaf concert band; Mrs. Gertrude Boe Overby, soprano; Raymond Reinholtzen, cornetist.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 12 m., Donaldson's orchestra; 2:30 p. m., concert; 4, readers' club, Mrs. Walter Stevens; 6:30, Gordon Cooke ensemble, Meta Ashwin Birnbach, soprano; 8, Univ. of Minnesota program; 9, classical concert.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., Trianon ensemble; 11:45-1 a. m., Ted Weem's Victor Recording orchestra.

WDOD, Chattanooga, Tenn. (256m-1170kc), 6:30-7 p. m., organ music, Tivoli theater; 7-8, Hotel Patten orchestra; 8:15, special features and program.

WFAA, Dallas, Tex. (475.9m-630kc), 12:30-1 p. m., Edmund Boettcher, tenor; Viola Cassidy, pianist; 4:30-5, Cyrus Barcus, cornetist; 6:30-7:30, Lone Star Five's orchestra; 8:30-9:30, Sears-Roebuck Agricultural Foundation program.

WGES, Oak Park, Ill. (250m-1200kc), 5-7 p. m., Coyne serenaders; organ, basso; pianist.

WGN, Chicago, Ill. (302.8m-990kc), 10-10:15 a. m., good health period; 10:15-10:45, entertainment for shut-ins; 12:01-12:30 p. m., noon hour entertainment for children; 12:40-2:30, luncheon concert, Drake concert ensemble 2:30-3, Lyon and Healy artists' recital; 3:25, Port o' Missing Men; 3:30-4:15, tea time music, Marshall Field and company tea room orchestra; 4:30-5, organ recital, Edward Benedict; 5:30-5:57, Skeezix time; 6:30-7, dinner concert music.

WHAD, Milwaukee, Wis. (275m-1090kc), 11 a. m., pianologue, Andy Hertel; 4 p. m., Trixy Ann Troy, ukulele; 6:15-7, Bill Benning's Milwaukee Athletic club orchestra; 8-10, Marquette university studio program.

WHAS, Louisville, Ky. (399.8m-750kc), 1-2 p. m., concert, Royal Peacock orchestra; 3-3:30, organ recital, Mrs. Myrtle Fulks Zahn, Jr.; 4-5, concert, Harry S. Currie's Music Box; readings.

WHB, Kansas City, Mo. (365.6m-820kc), 2-3 p. m., Sweeney trio; 7-8, popular music, Sweeney Radio orchestra, Glen Durrell, director; readings, Lyra Ferguson; popular songs, Bert Bueder, Zelma Maddox, accompanist.

WHO, Des Moines, Iowa (526m-570kc), 7:30-8:30 p. m., Paul Stoye, pianist and composer; Joseph Gifford, reader; 8:30-9, program, Rhena Hayward, director; 11-12, Bankers Life Little Symphonic orchestra, Leon A. Dashoff, director.

WIBO, Chicago, Ill. (226m-1330kc), 2-4 p. m., program for shut-ins; Ted Fiorito, pianist; Dan Russo, violinist; Marie Tully, soprano; Wayne Meyers, reader; Hicky and Johnson; Connie Corwin, soprano.

WJAD, Waco, Tex. (352.7m-850kc), 8:30-10 p. m., Mrs. Alexander Dollins, director.

WKAF, Milwaukee, Wis. (261m-1150kc), 10-11 p. m., Helen Osmundsen, soprano; Leon Grieb, tenor; Viola Sontag, pianist.

WKRC, Cincinnati, Ohio (422.3m-710kc), 6 p. m., dinner music, Alvin Roehr and his Hotel Alms orchestra; 8, vocal and instrumental program, Eugene Perazzo; 9, program, American Legion; 12, frolic.

WLS, Chicago, Ill. (344.6m-870kc), 12 noon, R. F. D. noon program; WLS trio; 6 p. m., R. F. D. school program; WLS trio; 6:40, Ralph Emerson's organ recital.

WMAQ, Chicago, Ill. (447.5m-670kc), 2 p. m., program for shut-ins; 4:35, Glenn Dillard Gunn School of Music; 5, children's games, Glenn Adams; 5:15, Topsy-Turvy time; 6, Chicago theater organ recital; 6:30, Hotel La Salle orchestra; 6:40, Family Altar league.

WMAZ, Macon, Ga. (261m-1150kc), 10-11 p. m., orchestra music, Glee club orchestra.

WNAD, Norman, Okla. (254m-1180kc), 8:10 p. m., Sonner Girls quartet; ukulele ensemble; University choral club; Jessie Griffiths, vocalist; 9, Phi Mu Alpha, compositions; 10:30, Delta Pi serenaders.

WOAN, Lawrenceburg, Tenn. (282.8m-1060kc), 9-10 p. m., male quartet, orchestra; 11:30-1:30 a. m., special program.

Here is Dr. Thatcher Clark, right, gi class at WEAF, New York. The la pianist. Her classical interpretation

Esther Cutchin, above, is a widely known concert-pianist at WRC. Billy Spears, upper left, is the famous traveler at WBBM, Chicago.

Monday, February 15

11 p. m. WSAI (325.9m-920kc) Community night.

12 KFI (467m-642kc) Slavonic music, Zahpad trio. KNX (336.9m-890kc) Glassmobile minstrels.

10 p. m. KFVE, KFWB, KNX, WBBM, WHT, WMBB, WOK, WQJ.

12 m. KNX, KOIL, KPO, WAMD, WBBM, WEBH, WEBH, WKRC, WMC, WOK, WQJ.

1 a. m. KFWB, KNX, WFAA, WHT, WOAW, WOK, WQJ.

2 KFWB, WQJ.

9 p. m. WBBM, WEAF, WENR, WGBS, WLS, WMAQ, WNYC.

8 p. m. KFAB, KPRC, WBBM, WEBH, WENR, WGN, WLS, WMBB, WREO.

7 p. m. WFAA.

6 WAMD, WLS.

5 WSAI, WBBM, WEBH, WENR, WQJ.

4 p. m. WBBM, WFAA, WOAW.

3 WGBS.

2 WCAU, WEAF, WGR, WKRC, WOK.

1 KFAB, WEBH, WGR, WKRC, WMCA, WOAW, WOK, WSOE.

12 m. KFAB, KFVE, WOK.

11 a. m. KLX, KNX, KOIL, WAMD, WEBH, WHO, WOK.

10 KFWB, KLX, WAHG, WDAF, WHT, WKBC, WOK.

2 a. m. KFWB.

1 a. m. KFWB, KNX, WBBM, WEBH, WENR, WOK, WQJ, WSAI.

12 m. KNX, WBBM, WEBH, WENR, WQJ.

11 p. m. WBBM.

10 WBBM, WMBB.

9 WMBB.

8 KNX, KTHS.

7 KFWB, WBBM.

6 KFWB.

5 WBBM, WFAA, WOAW.

4 WBBM, WEAR.

3 WBBM, WEAR, WBZ, WSB.

2 WMCA, WOAW.

1 WFAA.

WSAI PLAYS GOVERNOR'S FAVORITES

his regular Tuesday evening French
eated below is Mrs. Kenneth Rose,
well liked by fans listening to WSM.

WOAW, Omaha, Nebr. (526m-570kc), 12:45 p. m., Randall's Royal Fontenelle orchestra; 6, entertainment; 6:20, popular song period; 6:50, Randall's Royal Fontenelle orchestra; 9, classical.

WOC, Davenport, Iowa (483.6m-620kc), 5:45-6 p. m., chimes.

WOI, Ames, Iowa (270m-1110kc), 7:50 p. m., "The Perfect Tribute," Florence McComb.

WOS, Jefferson City, Mo. (440.9m-680kc), 8 p. m., concert, WOS; Franklin B. Launer, pianist; Helen Meyers, violinist; Alma Gray Hill, expressionist.

WSAI, Cincinnati, Ohio (325.9m-920kc), 8 p. m., A. and P. Gypsies, WEAF; 9, grand opera, "La Sonnambula," WEAF, Cesare Sodero, director; 10-12, Cincinnati community program, Dan Beddoe, tenor; community quartet; Governors' favorite musical compositions; 12, Freda Sanker's orchestra.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., Biltmore hotel orchestra; 10:45, Vick Myers' orchestra.

WSM, Nashville, Tenn. (282.8m-1060kc), 6:30 p. m., Francis Craig's orchestra; 7, bedtime story interlude; 8, Frank School of Music; 10, Vito Pellettieri and his orchestra.

WSMB, New Orleans, La. (319m-940kc), 9:30 p. m.-12:30 a. m., Dixola Novelty orchestra; St. Charles orchestra; Strand theater orchestra, details of "Comus Parade," Mardi Gras eve.

WSUI, Iowa City, Iowa (483.6m-620kc), 12:30 p. m., Harry Thatcher, pianist; 7:30, music.

Mountain Time Stations

KFXF, Colorado Springs, Colo. (250m-1200kc), 8:30-10:30 p. m., Colorado State School for Deaf and Blind Students.

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra; 8:30, Scheuerman's Colorado orchestra; 8:45, KOA orchestra; 9, voice culture, John C. Wilcox; 9:30, KOA orchestra.

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 5:30-6 p. m., Owen Fallon's Californians; 6, Nightly Doings; 6:15, KFI's Seeing California; 6:30, vest pocket program; 6:45, Radiotorial period, "The Romance of Radio"; 7-8, Chinese Garden's dance orchestra; 8-9, Screen Artists' string quartet; 9-10, program, Walter M. Murphy Motors company broadcast simultaneously from KFI and KPO; Zahpad trio in Slavonic music; 10-11, popular program by Meiklejohn brothers.

KFOA, Seattle, Wash. (454.3m-660kc), 7-8:15 p. m., Sherman Clay and company; 8:15-8:30, industrial news; 8:30-10, Times studio program.

KFON, Long Beach, Calif. (232.4m-1290kc), 6-6:30 p. m., Brayton's theater organ; 6:30-7, amusement information; 7-8, investors' hour; 8-9, Press-Telegram program; 9-11, KFON artists' frolic.

KFWA, Ogden, Utah (261m-1150kc), 4-5 p. m., organ recital, Paramount theater; 5-6, Ogden Radio dealers' program.

KFWB, Hollywood, Calif. (252m-1190kc), 7-7:30 p. m., program, Osborne, Kelsey company, featuring Sol Hoopii's Hawaiians, Esther White, blues singer; 7:30, program, Dr. Ralph Mitchell and the Friendly Dentists; 8-9, Bill Hatch's Oakmont Country club dance orchestra; 9-10, program, Star Motor Car company Million Dollar Four orchestra; Tom Breneman, baritone; Sol Hoopii's Hawaiians; 10-11, Warner Brothers' frolic with a famous movie star as guest announcer.

KGO, Oakland, Calif. (361.2m-830kc), 11:30-1 p. m., Pacific States Electric company luncheon concert; 3-4, musical program; 6-6:55, Baldwin Piano company dinner concert; Knickerbocker trio; 8, Arion trio.

KGW, Portland, Ore. (491.5m-610kc), 7:15 a. m., physical culture exercises; 12:30-1:30 p. m., concert; 6-7, dinner concert; 8-9, concert; 9-10, concert.

KLX, Oakland, Calif. (508.2m-590kc), 4-5 p. m., women's hour; 5-5:30, Aunt Elsie's sunset matinee; 6:30-7, Athens Athletic club orchestra; 8-9, studio program; 9-10:30, meeting of the Protective Order of Lake Merritt Ducks.

KMTR, Hollywood, Calif. (238m-1260kc), 7:15 p. m., K. M. T. R. musical program; 8-10, Turner orchestra in classical selections, Loren Powell, director; 10-11, Starr Piano company studio.

KNX, Hollywood, Calif. (336.9m-890kc), 5-5:30 p. m., Sunny Jim's talk; 5:30, First Presbyterian church organ; 5:55, Town Tattler; 6:15, travel talk, W. F. Alder; 6:30-7, Atwater Kent orchestra; 7-7:30, Mutual Motors mirth contest; 7:30-8, studio program; 8-9, program, L. W. Stockwell company; 9-10, Glassmobile Minstrels; 10-11, Goodrich Silvertown Cord dance orchestra, Lilyan May Challenger, contralto.

KOWW, Walla Walla, Wash. (256m-1170kc), 8-10 p. m., Walla Walla college; 10-12, dance music.

KPO, San Francisco, Calif. (428.3m-700kc), 7, 7:30, 8 a. m., daily dozen; 10:30, "Ye Towne Cryer"; 12 m., Scripture reading; 1-2 p. m., Rudy Seiger's Fairmont hotel orchestra; 2:30-3:30, matinee program; 5:15-6:15, children's hour; 6:30, "Ye Towne Cryer"; 6:40-7, Waldemar Lind and the States Restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel orchestra; 8-9, organ recital, Uda Waldrop; 9-10, simultaneously broadcasting for Walter M. Murphy Motor company; 10-11, Jack Coakley's Cabirians.

KTAB, Oakland, Calif. (240m-1250kc), 12-1 p. m., luncheon concert; 8-10, program, Western States Life Insurance company.

KWSC, Pullman, Wash. (348.6m-860kc), 7:30-9 p. m., Glow Williamson, vocalist; Margery Segessenmann, pianist; Gladys Fraser, violinist.

Tuesday, February 16

Headliners Today

Eastern	Central	Mountain	Pacific
8 p. m.	7 p. m.	6 p. m.	5 p. m.

KFNF (263m-1140kc) Papillion.
8:15 7:15 6:15 5:15
WIP (508.2m-590kc) Civic symphony orchestra.
8:30 7:30 6:30 5:30
WHAS (399.8m-750kc) Zoeller's Melodists.
WJZ (454.3m-660kc), WGY (379.5m-790kc), WRC (468.5m-640kc) Edison hour.
9 8 7 6
WMAQ (447.5m-670kc) Kent-Oklahoma debate.
9:30 8:30 7:30 6:30
KPRC (296.9m-1010kc) Edna Adams, Sweetheart of the Air.
10:30 9:30 8:30 7:30
KFMX (315.6m-950kc) "Mosul," Prof. Clark.
11 10 9 8
KGO (361.2m-830kc) Eveready program.
KTHS (374.8m-800kc) College night.
11:30 10:30 9:30 8:30
CNRV (291.1m-1030kc) "Peg o' My Heart."
WOC (483.6m-620kc) Orpheus club.
11:45 10:45 9:45 8:45
WSB (428.3m-700kc) Suwanee glee club.

Tuesday, silent night for: CFCA, CHIC, CKNC, CKY, CNRC, CNRE, CNRM, CNRO, CNRW, CNRT, KFKX, KFKU, KFMQ, KFUO, KFWA, KYX, KOA, KOAC, KOB, KOWW, KUOM, KWSC, PWZ, WABQ, WAHG, WAMD, WBBR, WCAD, WCAP, WGCP, WGST, WHAD, WHAZ, WJAD, WJAZ, WKAF, WKAQ, WLWL, WOI, WRVA, WSUI, WTAM, WTIC.

Eastern Time Stations

CKAC, Montreal, Can. (410.7m-730kc), 7:15 p. m., Wing's hotel dinner concert; 10:30, Windsor hotel dance program.

CNRA, Moncton, Can. (291.1m-1030kc), 7 p. m., juvenile program, Prof. C. M. Wright, director; 8, Hiram Ball, organist; Mrs. Harold J. Cole, soprano; Alice Lea, contralto; Walter Neale, tenor; 10, CNRA orchestra.

KDKA, Pittsburgh, Pa. (309.1m-970kc), 7:15, 8 a. m., services, O. Shannon; 5:45 p. m., Daddy Winkum; 6:30, dinner concert; 8:30, sacred song period; 9, American program, Tuesday musical choral club, Charles N. Boyd, director; 10:10, Little symphony orchestra concert, Victor Saudek, director; Clara Huhn, soprano; Sara Logan, contralto; Roy Strayer, tenor; 11:35, concert, Grand theater.

WAHG, Richmond Hill, N. Y. (315.6m-950kc), 12:03 p. m., musical.

WBAL, Baltimore, Md. (246m-1220kc), 6:30-7:30 p. m., dinner program, WBAL dinner orchestra, Robert P. Iula, conductor; 7:30-8, WBAL quartet; 8-9, musical program; Marie Buddy, soprano; George Bolek, pianist; James Wilkinson, baritone; 9-10, WBAL string trio; Philip Jeffreys, pianist.

WBZ, Boston, Mass. (333.1m-900kc), 6:30 p. m., Little symphony orchestra, KDKA; 6:45, Hotel Lenox ensemble; 8, professional hockey game, Boston Bruins vs. Pittsburghs.

WCAU, Philadelphia, Pa. (278m-1080kc), 7:30 p. m., concert, N. Snellenburg and company; 8, building and loan talk; 8:10, Three Brothers; 8:25, theater digest; 9:05, WCAU players; 9, Rutgers Preset, blind Gospel

FARMERS' PROGRAMS INDEX

Farmer Dinner Concerts

Daily Except Sunday

CENTRAL TIME

KFNF, 12:15-1:35 p. m.
KMA, 12:30-1:30 p. m.
KSO, 12:30-1:30 p. m.
WLS, 12 noon.

Saturday, February 13

Eastern	Central	Mountain	Pacific
1:45 p. m.	12:45 p. m.	11:45 a. m.	10:45 a. m.

WOI (270m-1110kc) Soils, questions and answers.
8 7 6 5
KDKA (309.1m-970kc) Farm program.

Sunday, February 14

Eastern	Central	Mountain	Pacific
3:30 p. m.	2:30 p. m.	1:30 p. m.	12:30 p. m.

WFAA (475.9m-630kc) Sunday hour for farmers.

Monday, February 15

Eastern	Central	Mountain	Pacific
1:15 p. m.	12:15 p. m.	11:15 a. m.	10:15 a. m.

WEAO, (293.9m-1020kc) Timely Economic Information for the Farmer, C. J. West.
WOC (483.6m-620kc) "Alfalfa Meal in the Brood Sows Ration."
1:35 12:35 11:35 10:35
KSAC (340.7m-880kc) "Register Your Winter Calf Crop," J. W. Linn. "Cedar Apple Rust," D. R. Porter.
1:45 12:45 11:45 10:45
WOI (270m-1110kc) Dairy Production.
WMAQ (447.5m-670kc) Radio farm school.
1:50 12:50 11:50 10:50
KFKX (288.3m-1040kc) "Alfalfa Meal in the Brood Sows Ration," Prof. John Evvard.
7 6 5 4
WGY (379.5m-790kc) Agricultural program.
7:45 6:45 5:45 4:45
WSOE (246m-1220kc) Hog Raising.
8 7 6 5
KSO (242m-1240kc) Farm talk.
8:15 7:15 6:15 5:15
KSAC (340.7m-880kc) "Industrial Wages and Farm Prices," W. Grimes. "Growing Sorghums for Syrup," J. W. Zahnley.
8:30 7:30 6:30 5:30
KFMQ (299.8m-1000kc) Farmers' night. "Temporary Spring Pastures," Dr. J. Burleson; "Hogs in Northwest Arkansas," O. L. McMurray; "Keeping Young Farm Folks Busy," W. J. Jernigan; "Rice as an Industry in Arkansas," W. D. Ezell.
WMC (499.7m-600kc) Talk.
WOI (270m-1110kc) "Care of Transmission, Differential and Running Gear of the Automobile," Prof. Virgil Gunder.
8:45 7:45 6:45 5:45
WCCO (416.4m-720kc) The Farm Vegetable Garden, "Planting and Care of Crops," F. Krantz.
9:05 8:05 7:05 6:05
KFAB (340.7m-880kc) "The Value of Pure Viable Seed and Ways and Means of Obtaining It," F. D. Keim; "Planning for Summer and Fall Blooms," C. Wiggans.
9:30 8:30 7:30 6:30
KOB (348.6m-860kc) "Mating and Breeding," L. N. Berry. "Weeds," R. Crawford.
10 9 8 7
KOAC (280.2m-1070kc) Agricultural question box. "Preparing Lambs for Market," H. A. Lindgren.
10:30 9:30 8:30 7:30
KOAC (280.2m-1070kc) "Factors in Growing Spring Vegetables," A. G. Bouquet.
10:45 9:45 8:45 7:45
KOAC (280.2m-1070kc) "Oregon's Agricultural Situation," R. S. Besse.
12:15 a. m. 11:15 10:15 9:15
KSWC (348.6m-860kc) "Hints on Feeding Young Chicks," W. D. Buchanan.

Tuesday, February 16

Eastern	Central	Mountain	Pacific
11:30 a. m.	10:30 a. m.	9:30 a. m.	8:30 a. m.

KFAB (340.7m-880kc) "Brooding the Chicks," S. Marsden.
1:15 p. m. 12:15 p. m. 11:15 10:15
WOC (483.6m-620kc) "Factors in Successful Poultry Management."
1:35 12:35 11:35 10:35
KSAC (340.7m-880kc) "Potato Prospects for Kansas Growers," E. A. Stokdyk. "Boy Champions," H. Coe.
1:45 12:45 11:45 10:45
WMAQ (447.5m-670kc) Radio farm school.
1:50 12:50 11:50 10:50
KFKX (288.3m-1040kc) "Why Do Chicks Die in the Shell?" A. G. Philips.
7:10 6:10 5:10 p. m. 4:10 p. m.
WEAO (293.9m-1020kc) Poultry—"Brooding Problems of the Poultry Man," E. L. Dakan.
7:15 6:15 5:15 4:15
WKAR (285.5m-1050kc) "The Care of the Pleasure Horse," J. P. Hutton. "A Review of the Results of Three Years of the International Laying Contest," C. M. Ferguson.
7:45 6:45 5:45 4:45
WEAO (293.9m-1020kc) "Making New Friends Among Vegetables," L. M. Montgomery.
WKAR (285.5m-1050kc) "Draft Horse Types," R. Hudson.
8 7 6 5
KFRU (499.7m-600kc) "Horses and Mules as Farm Power," D. Chittenden.
KSAC (340.7m-880kc) "Feeding Fall Pigs," A. D. Weber. "Feeding for Economical Milk Production," H. W. Cave.
KSO (242m-1240kc) Farm talk.
WOC (483.6m-620kc) "What Does It Cost to Raise a Pig to Weaning Time?"
8:33 7:33 6:33 5:33
KYW (535.4m-560kc) "Forests and Life," Edward Hines. "Value of Foreign Red Clovers."

Wednesday, February 17

Eastern	Central	Mountain	Pacific
1:15 p. m.	12:15 p. m.	11:15 a. m.	10:15 a. m.

WOC (483.6m-620kc) The A B C's of Dairying.
1:35 12:35 11:35 10:35
KSAC (340.7m-880kc) "Supplementing the Rainfall," Claude K. Shedd. "Rhubarb Culture," A. J. Stokdyk.
1:45 12:45 11:45 10:45
WMAQ (447.5m-670kc) Radio Farm school.
WOI (270m-1110kc) Poultry husbandry.
1:50 12:50 11:50 10:50
KFKX (288.3m-1040kc) "A B C's of Dairying," C. Long.
7:15 6:15 5:15 p. m. 4:15 p. m.
WKAR (285.5m-1050kc) "The Newer Fruit Varieties," S. J. Johnston. "Winter Injury and Winter Killing," F. C. Bradford.
9:05 8:05 7:05 6:05
KFAB (340.7m-880kc) "How to Choose a Tractor," H. L. Wallace. "Getting Horses Ready for Spring Work," W. W. Derrick.

Thursday, February 18

Eastern	Central	Mountain	Pacific
1:15 p. m.	12:15 p. m.	11:15 a. m.	10:15 a. m.

WOC (483.6m-620kc) "The Soy Bean—Its Place in Corn Belt Agriculture."
1:35 12:35 11:35 10:35
KSAC (340.7m-880kc) "Buy Baby Chicks from Tested Flocks," J. W. Lumb. "Control of Poultry Coccidiosis," D. J. Taylor.
1:45 12:45 11:45 10:45
WMAQ (447.5m-670kc) Radio farm school.
WOI (270m-1110kc) Farm crops.
1:50 12:50 11:50 10:50
KFKX (288.3m-1040kc) "The Soy Bean—Its Place in Corn Belt Agriculture," J. Hackleman.
7:15 6:15 5:15 p. m. 4:15 p. m.
WKAR (285.5m-1050kc) "Cow Testing Associations," A. Baltzer. "Importance of Minerals in the Dairy Ration," C. Huffman; "History and Development of Cheese Industry," O. Reed.
8 7 6 p. m. 5:00 p. m.
KSO (242m-1240kc) Farm talk.
WEAO (293.9m-1020kc) "Poultry—Feeding Baby Chicks," Prof. E. L. Dakan.
8:30 7:30 6:30 5:30
WOI (270m-1110kc) "Increasing the Return from Oats," Prof. L. C. Burnett.
8:33 7:33 6:33 5:33
KYW (535.4m-560kc) "Future Cattle Kings in the Making," W. Tomhave.
9:30 8:30 7:30 6:30
KOA (322.4m-930kc) Farm question box.

Friday, February 19

Eastern	Central	Mountain	Pacific
1:15 p. m.	12:15 p. m.	11:15 a. m.	10:15 a. m.

WOC (483.6m-620kc) Special farm service day.
1:35 12:35 11:35 10:35
KSAC (340.7m-880kc) "Kansas Three Billion Dollar Manure Pile," E. B. Wells. "Keeping Down the New Prairie Dog Crop," Roy Moore.
1:45 12:45 11:45 10:45
WOI (270m-1110kc Agricultural Economics.
2 1 12 n. 11
KFKX (288.3m-1040kc) Special Farm Service day.
WMAQ (447.5m-670kc) Radio farm talk.
7:15 6:15 5:15 p. m. 4:15 p. m.
WKAR (285.5m-1050kc) Wheat and Chaff. "Lincoln's Agricultural Vision," H. C. Rather. "Experiments with Beans at the Michigan Experiment Station," H. R. Pettigrove. "Bean Growing," Brown Brothers.
8 7 6 5
KSO (242m-1240kc) Farm talk.
WCCO (416.4m-720kc) Flower Growing—Perennials, H. R. Mackintosh.
10:45 9:45 8:45 7:45
KOAC (280.2m-1070kc) "Inspection of the Auto's Electrical Wiring System," K. F. Coulson.

Markets and Weather

Daily Except Sunday

Eastern	Central	Mountain	Pacific
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.

WFAA (475.9m-630kc) Markets.
WOAW (526m-570kc) Markets.
9:45 8:45 7:45 6:45
KDKA (309.1m-970kc) Livestock, grain.
10 9 8 7
WLS (344.6m-870kc) Livestock, markets, fruit.
WOS (440.9m-680kc) Hogs.
10:30 9:30 8:30 7:30
KFKX (288.3m-1040kc) Weather, hog market, local produce, hay, Chicago Board of Trade futures.
WFAA (475.9m-630kc) Markets.
10:45 9:45 8:45 7:45
WCCO (416.4m-720kc) Markets.
WMC (499.7m-600kc) Weather, markets.
11 10 9 8
WOS (440.9m-680kc) Weather, hogs.
11:15 10:15 9:15 8:15
WTAG (268m-1120kc) Markets, weather.
11:30 10:30 9:30 8:30
KFKX (288.3m-1040kc) Weather, Chicago Board of Trade, livestock, Chicago and New York butter and egg market, local produce.
WCCO (416.4m-720kc) Markets.
WEAR (389.4m-770kc) Markets, weather.
11:45 10:45 9:45 8:45
WAAW (384.4m-780kc) Livestock, butter, eggs.
12 n. 11 10 9
KDKA (309.1m-970kc) Weather, livestock, grain.
WBAP (475.9m-630kc) Weather, cattle, grain.
WLS (344.6m-870kc) Poultry, dairy, hogs, sheep.
WOS (440.9m-680kc) Livestock, poultry, eggs, grain.
12:30 p. m. 11:30 10:30 9:30
KFKX (288.3m-1040kc) Livestock, fruit, vegetables, dairy.
WEAR (389.4m-780kc) Markets, weather.
WFAA (475.9m-630kc) Markets.
1 12 n. 11 10
WBAP (475.9m-630kc) Markets.
WHT (238m-1260kc) Fruit, weather.
WOS (440.9m680kc) Livestock, weather.
1:30 12:30 11:30 10:30
KTHS (374.8m-800kc) Markets, weather.
KFKX (288.3m-1040kc) Weather, livestock, patato market, apples.
WOAW (526m-570kc) Markets.
1:35 12:35 11:35 10:35
KPO (428.3m-700kc) Butter, eggs, cheese, poultry.
1:45 12:45 11:45 10:45
KOA (322.4m-930kc) Weather, roads, livestock, poultry.
2 1 12 n. 11
WOC (483.6m-620kc) Weather, grain, livestock, dairy.
WOS (440.9m-680kc) Grain.
2:15 1:15 12:15 p. m. 11:15
WAAW (384.4m-780kc) Grain markets.
WFAA (475.9m-630kc) Markets.
3 2 1 12 n.
WLS (344.6m-870kc) Livestock, grain, dairy, fruit, vegetables.
WOS (440.9m-680kc) Livestock, markets, grain
3:30 2:30 1:30 12:30 p. m.
WFAA (475.9m-630kc) Markets.
WMC (499.7m-600kc) Markets, weather.
3:50 2:50 1:50 12:50
WWJ (352.7m-850kc) Weather, markets.
4 3 2 1
KFKX (288.3m-1040kc) Weather, Chicago Board of Trade futures, Kansas City cash grain report, Omaha grain, livestock.
WCCO (416.4m-720kc) Markets.
WCX (516m-580kc) Stocks and grain.
WFAA (475.9m-630kc) Markets.
5:50 4:50 3:50 2:50
WHAS (399.8m-750kc) Markets.
6:30 5:30 4:30 3:30
KSAC (340.7m-880kc) Markets.
6:45 5:45 4:45 3:45
WIP (508.2m-590kc) Livestock, markets.
7:30 6:30 5:30 4:30
KMA (252m-1190kc) Markets and weather.
KSAC (340.7m-880kc) Market review.
7:45 6:45 5:45 4:45
KFWA (261m-1150kc) Market reports.
8 7 6 5
KFKX (288.3m-1040kc) Weather, livestock, Boston wool, Omaha grain.
KOA (322.4m-930kc) Sheep, markets, livestock, poultry.
11 10 9 8
WCCO (416.4m-720kc) Weather, grain.

"SUNSET LIMITED OF 1926" A

POPU

Saturday, Feb

Eastern Central
7:30 p. m. 6:30 p. m. 5:
WFAA.
8 7 6
WAMD, WLS.
9 8 7
WBBM, WEAF, WENR, W
WNYC.
10 9 8
KFAB, KPRC, WBRM, W
WLS, WMBB, WREO.
11 10 9
KFVE, KFWB, KNX, KTH
WOK, WQJ, WRC.
12 11 10
KNX, KOIL, KPO, KPRC, W
WOAW, WOK, WQJ.
1 a. m. 12 m. 11
KFWB, WDAF, WBBM, W
WQJ, WSAI.
2 1 a. m. 12
KNX, WBBM, WEBH, WE

Sunday, Febr

Eastern Central M
9 p. m. 8 p. m. 7
WBBM.
10 9 8
WBBM, WMBB.
11 10 9
WMBB.
12 11 10
KNX, KTHS.
1 a. m. 12 m. 11
KFWB, WBBM.
2 1 a. m. 12
KFWB.

Monday, Febr

Eastern Central M
7 p. m. 6 p. m. 5
WBBM, WFAA, WOAW.
8 7 6
WGBS.
9 8 7
WCAU, WEAF, WGR, WKB
10 9 8
KFAB, WEBH, WGR, WKB
WOK, WSOE.
11 10 9
KFAB, KFVE, WOK.
12 m. 11 10
KLX, KNX, KOIL, WAMD,
1 a. m. 12 m. 11
KFWB, KLX, WAHG, WD
WOK.
2 a. m. 1 a. m. 12
KFWB.

Tuesday, Febr

Eastern Central M
7 p. m. 6 p. m. 5
WMCA, WOAW.
8 7 6
WBBM, WEAR.
9 8 7
WBBM, WEAR, WBZ, WSB
10 p. m. 9 p. m. 8
WBBM, WEBH, WMMB, W

Monday, Febr

11 10 9
WSAI (325.9m-920kc) Communit
12 11 10
KFI (467m-642kc) Slavonic mus
KNX (336.9m-890kc) Glassmobil

Monday, silent night for: CN, CNRM, CNRO, CNRR, CNRT, CNRV, KFDM, KFEQ, KFMQ, KFMX, KFWA, K, KYW, PWX, WBBM, WBCN, WCAD, WCBD, WEBH, WEBJ, WEBW, WENR, WGBS, WGE, WHAS, WHT, WIBO, WIP, WJAZ, WJJD, WLIB, WLS, WMAQ, WMBB, WOAI, WOC WORD, WQJ, WRC, WREO.

Eastern Time Stations

CKAC, Montreal, Can. (410.7m-730kc), 1:45 luncheon music.

CKNC, Toronto, Can. (356.9m-840kc), 8-10 p. m Little Symphony orchestra; Aeolian male quarte Hall-VanderVoort, soprano.

KDKA, Pittsburgh, Pa. (309.1m-970kc), 7:15, morning services, O. Shannon; 5:45 p. m., c period; 6:30, dinner concert; 9, Ruud light op

WABQ, Haverford, Pa. (261m-1150kc), 11 p. m. Hostler, organist; William Stewart, pianist.

WAHG, Richmond Hill, N. Y. (315.6m-950kc p. m., Grebe matinee trio; 7:30, Brooklyn high school glee club; 8, Synchrophase hour; Alvah Nichols' quartet; 10:03, program; 10 Zimmerman's orchestra; 12, midnight popular

WBAL, Baltimore, Md. (246m-1220kc), 6-6:30 children's program; 6:30-7:30, dinner program, dinner orchestra, Robert P. Iula, director; organ program, Frederick D. Weaver; 8-9, mus gram, Melva Forsyth, contralto; Conner Turne tone; Arthur Morgan, violinist; 9-9:10, Hans director Maryland Institute; 9:10-10, musical Rose Ousbner, soprano; Philip Jeffreys and Jo retti, pianists.

WBBR, New York, N. Y. (273m-1100kc), 8 p. m Kleinpeter, soprano; 8:20, Josephine Locke, 8:30, Bible instruction; 8:40, Irene Kleinpe prano; 8:50, Josephine Locke, violinist.

WBZ, Boston, Mass. (333.1m-900kc), 6:30 p. m symphony orchestra; 7:30, organ recital, Rene D 8, Capitol theater orchestra, J. Fred Turgeon, 8:30, Rollstone male quartet; 9, concert, Alep corps or Shriners' band; 9:30, Movie club, Fosse, director; vaudeville attractions, Loew' theater.

WCAU, Philadelphia, Pa. (278m-1080kc), 7:30 recital, N. Snellenburg and company; 8, Thomas, soprano, Ella Jaquette Kratz, pianis. recital; 9, Al Wing and his Sugar Cane orch 9:30, Carl Smith's Monday Nighters; 10, Arline Smith, soprano, Sarah Snyder, pianist; Kathryn Fitzthorne, contralto, Virginia Klein, pianist; 10:30, Parodians, orchestra.

WEAF, New York, N. Y. (491.5m-610kc), 6:45, 7, 7:20 a. m., health exercises; 7:45-8, prayer service; 11:05, Regina Resner, pianist; 4 p. m., Henri Beaugard, tenor; 6, dinner music; 7:20, Dorothy Chancellor Curry, pianist; 7:30, lullaby lady; 8, "Pop" concert; 8:30, Coal Miner's trio, Burns Brothers; 9, A. and P. Gypsies; 10, grand opera, "La Sonnambula," Cesare Sodero, director; 11:32, Ben Bernie and his orchestra.

WEAO, Columbus, Ohio (293.9m-1020kc), 1:30 p. m., music.

WEAR, Cleveland, Ohio (389.4m-770kc), 7 p. m., Allen theater orchestra

WEEI, Boston, Mass. (348.6m-860kc), 6:45 a. m., health exercises; 7:20 p. m., Rainbow Rambler of Salem; 6:30, Joe Rines and his Hunters' Cabin orchestra; 7, Big Brother club; 7:45, Pearl Bates Morton, soprano; 8:15, Black Iron Shiners; 9, A. and P. Gypsies; 10, Boston-Brooklyn string ensemble; 6:30, Hotel McAlpin orchestra; 7:30, Kurtz Karnival Kings; 8, Terminal music hour; 9, lecture, Christian Science, Algernon Hervey-Bathurst; 10:45, Barclay Radio program; 11:30, Denny's orchestra.

WNYC, New York, N. Y. (526m-570kc), 6:20 p. m., piano selections; 8:30, Friendly Sons of St. Patrick glee club; 10:35, Richmond Versatile orchestra.

WOO, Philadelphia, Pa. (508.2m-590kc), 11 a. m., organ recital; 12:02 p. m., Golden's crystal tea room orchestra; 4:45, organ recital; 7:30, A. Candelori's French Room orchestra; 8, "Pop" concert; 9, A. and P. Gypsies; 10, grand opera, WEAF Grand Opera company; 11, Sylvania dance orchestra.

WOR, New York, N. Y. (405.2m-740kc), 6:45 p. m., Hotel Shelton ensemble; 7:30, Ziv's Central Park Casino; 8:30, Al Reid's hour; 11, Crusaders orchestra.

WRC, Washington, D. C. (468.5m-640kc), 12 m., Henri Weyl, Hotel Willard trio; 1, Hotel Mayflower orchestra; 2, Hotel Washington orchestra; 3, Hotel Raleigh orchestra; 4, Hotel Ambassador orchestra; 5, Hotel Lafayette orchestra; 6, Hotel Roosevelt orchestra; 7, Hotel Mayflower orchestra; 8, Hotel Washington orchestra; 9, Hotel Raleigh orchestra; 10, Hotel Ambassador orchestra; 11, Hotel Lafayette orchestra; 12, Hotel Roosevelt orchestra.

WREO, Lansing, Mich. (285.5m-1050kc), 12 m., Ken Waltzer's orchestra; 1, Hotel Olds orchestra; 2, Hotel Kerns orchestra; 3, Hotel Olds orchestra; 4, Hotel Kerns orchestra; 5, Hotel Olds orchestra; 6, Hotel Kerns orchestra; 7, Hotel Olds orchestra; 8, Hotel Kerns orchestra; 9, Hotel Olds orchestra; 10, Hotel Kerns orchestra; 11, Hotel Olds orchestra; 12, Hotel Kerns orchestra.

KYW, Chicago, Ill. (535.4m-560kc), 1-2 p. m., luncheon concert, Congress hotel; 6-7, KDKA symphony.

WAMD, Minneapolis, Minn. (244m-1230kc), 12 m., musical program, Colla Dare, contralto; Roy Nowack, banjoist; Jack Leeman, clarinetist; Chuck Johnson, uke; 5:45 p. m., WAMD Boys' A. C.; 6:15, WAMD "Traffic Squad"; 7:01, Garrick theater symphony orchestra, Fred Heiseke, director; 7:20, classical program; 11, Skyrocket frolic, George Osborn's orchestra.

WBAP, Fort Worth, Tex. (475.9m-630kc), 7:30 p. m., Harrison's Texans; 9:30, Ward's Trail Blazers; 11, Majestic theater.

WBBM, Chicago, Ill. (226m-1330kc), 4-6 p. m., Valentino Inn orchestra; Harry Sosnik, Sandy Meek; Irene Beasley; Jack Pennewell and Freddy Palmitter; Court Banks; Joe McManus; Edna Wheeler Ballard, harpist; 6-7, Beulah Mowers, pianist; Two Jays; Charlie Garland; Lew Russell; George Marbach; Floyd Falch.

WLS, Chicago, Ill. (344.6m-870kc), 12 noon, R. F. D. noon program; WLS trio; 6 p. m., R. F. D. school program; WLS trio; 6:40, Ralph Emerson's organ recital.

WMAQ, Chicago, Ill. (447.5m-670kc), 2 p. m., program for shut-ins; 4:35, Glenn Dillard Gunn School of Music; 5, children's games, Glenn Adams; 5:15, Topsy-Turvy time; 6, Chicago theater organ recital; 6:30, Hotel La Salle orchestra; 6:40, Family Altar league.

WMAZ, Macon, Ga. (261m-1150kc), 10-11 p. m., orchestra music, Glee club orchestra.

WNAD, Norman, Okla. (254m-1180kc), 8:10 p. m., Sonner Girls quartet; ukulele ensemble; University choral club; Jessie Griffiths, vocalist; 9, Phi Mu Alpha, compositions; 10:30, Delta Pi serenaders.

WOAN, Lawrenceburg, Tenn. (282.8m-1060kc), 9-10 p. m., male quartet, orchestra; 11:30-1:30 a. m., special program.

Wbz, W
Wgy, W
10, Kths
Wgbu, W
WQJ; 10
Webh, W
11:45, W
Khj, Knx
Friday
Wwj; 9,
Weei,
Wmbb; 9
Weau, W
Kpo, Kth
Whn, W
Wcco; 10
11, Kfw

"SUNSET LIMITED OF 1926" AT KPRC; WSAI PLAYS GOVERNOR'S FAVORITES

POPULAR CONCERTS INDEX

Saturday, February 13

Eastern	Central	Mountain	Pacific	Stations
7:30 p. m.	6:30 p. m.	5:30 p. m.	4:30 p. m.	WFAA.
8	7	6	5	WAMD, WLS.
9	8	7	6	WBBM, WEAF, WENR, WGBS, WLS, WMAQ, WNYC.
10	9	8	7	KFAB, KPRC, WBBM, WEBH, WENR, WGN, WLS, WMBB, WREO.
11	10	9	8	KFVE, KFWB, KNX, KTHS, WBBM, WMBB, WOK, WQJ, WRC.
12	11	10	9	KNX, KOIL, KPO, KPRC, WBBM, WEBH, WLS, WOAW, WOK, WQJ.
1 a. m.	12 m.	11	10	KFWB, WDAF, WBBM, WEBH, WENR, WOK, WQJ, WSAI.
2	1 a. m.	12 m	11	KNX, WBBM, WEBH, WENR, WQJ.

Sunday, February 14

Eastern	Central	Mountain	Pacific	Stations
9 p. m.	8 p. m.	7 p. m.	6 p. m.	WBBM
10	9	8	7	WBBM, WMBB.
11	10	9	8	WMBB
12	11	10	9	KNX, KTHS.
1 a. m.	12 m.	11 p. m.	10	KFWB, WBBM.
2	1 a. m.	12 m.	11	KFWB.

Monday, February 15

Eastern	Central	Mountain	Pacific	Stations
7 p. m.	6 p. m.	5 p. m.	4 p. m.	WBBM, WFAA, WOAW.
8	7	6	5	WGBS.
9	8	7	6	WCAU, WEAF, WGR, WKRC, WOK
10	9	8	7	KFAB, WEBH, WGR, WKRC, WMCA, WOAW, WOK, WSOE.
11	10	9	8	KFAB, KFVE, WOK
12 m.	11	10	9	KLX, KNX, KOIL, WAMD, WEBH, WHO, WOK.
1 a. m.	12 m.	11	10	KFWB, KLX, WAHG, WDAF, WHT, WKRC, WOK.
2 a. m.	1 a. m.	12 m.	11	KFWB.

Tuesday, February 16

Eastern	Central	Mountain	Pacific	Stations
7 p. m.	6 p. m.	5 p. m.	4 p. m.	WMCA, WOAW.
8	7	6	5	WBBM, WEAR.
9	8	7	6	WBBM, WEAR, WBZ, WSB
10 p. m.	9 p. m.	8 p. m.	7 p. m.	WBBM, WEBH, WMMB, WOAW.
11 p. m.	10 p. m.	9 p. m.	8 p. m.	KFVE, KFWB, KNX, WBBM, WHT, WMBB, WOK, WQJ
12 m.	11	10	9	KNX, KOIL, KPO, WAMD, WBBM, WEBH, WEBH, WKRC, WMC, WOK, WQJ.
1 a. m.	12 m.	11	10	KFWB, KNX, WFAA, WHT, WOAW, WOK, WQJ.
2	1	12 m.	11	KFWB, WQJ.

Wednesday, February 17

Eastern	Central	Mountain	Pacific	Stations
8 p. m.	7 p. m.	6 p. m.	5 p. m.	KFNF, WAHG, WEBJ, WEEI, WMCA.
9	8	7	6	WBBM, WEBJ, WGCP, WNYC
10	9	8	7	KFAB, KPRC, WBBM, WEBH, WGCP, WHO, WMBB.
11	10	9	8	KFAB, KFVE, KGW, KPO, KWSC, KYW, WBBM, WHN, WMBB, WOK, WQJ.
12 m.	11	10	9	KFWA, KFWB, KNX, KYW, WAMD, WEBH, WOK, WQJ, WSAI.
1 a. m.	12 m.	11	10	KNX, KYW, WBBM, WHT, WOK, WQJ.
2	1 a. m.	12 m.	11	KFWB, KNX, WBBM, WOK, WQJ.

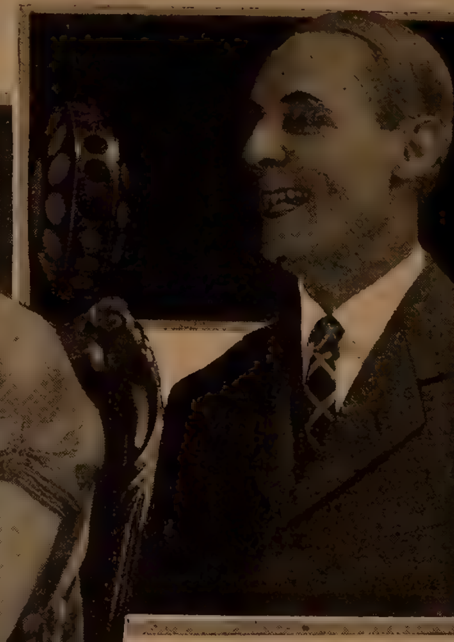
Thursday, February 18

Eastern	Central	Mountain	Pacific	Stations
8 p. m.	7 p. m.	6 p. m.	5 p. m.	WCAE, WEAF, WJAR, WMC, WOC, WSAI.
9	8	7	6	WBBM, WHAD.
10	9	8	7	KMA, WBBM, WEBH, WEEI, WHAD, WHN, WMBB, WMC, WNYC, WOAW, WSOE
11	10	9	8	KHJ, KMA, KYW, WBBM, WMBB, WOK, WQJ.
12 m.	11	10	9	KHJ, KTAB, KOIL, WBBM, WDAF, WEBH, WFAA, WKRC, WOC, WOK, WQJ.
1 a. m.	12 m.	11	10	KFWB, KHJ, WHT, WOK, WQJ.
2	1 a. m.	12 m.	11	KNX, WQJ.

Friday, February 19

Eastern	Central	Mountain	Pacific	Stations
8 p. m.	7 p. m.	6 p. m.	5 p. m.	WGCP, WJR.
9	8	7	6	WAMD, WBBM, WGR, WLS
10	9	8	7	KFAB, WBBM, WEBH, WMC, WDAF, WHAD, WMBB, WOAW, WSOE
11	10	9	8	KFVE, KFWA, KHJ, KLX, KYW, WMBB, WOK, WQJ
12 m.	11	10	9	KFWB, KHJ, KNX, KOIL, WAMD, WEBH, WMC, WOK, WQJ.
1 a. m.	12 m.	11	10	KFWB, KHJ, WDAF, WHT, WOK, WQJ.
2	1 a. m.	12 m.	11	KNX, WQJ.

Here is Dr. Thatcher Clark, right, giving his regular Tuesday evening French class at WEAF, New York. The lady seated below is Mrs. Kenneth Rose, pianist. Her classical interpretations are well liked by fans listening to WSM.



Esther Cutchin, above, is a widely known concert-pianist at WRC. Billy Spears, upper left, is the famous traveler at WBBM, Chicago.

Monday, February 15

Eastern	Central	Mountain	Pacific	Station
11	10	9	8	WSAI (325.9m-920kc) Community night.
12	11	10	9	KFI (467m-642kc) Slavonic music, Zahpad trio. KNX (336.9m-890kc) Glassmobile minstrels.

Monday, silent night for: CNRA, CNRC, CNRE, CNRM, CNRO, CNRR, CNRT, CNRV, CNRW, KFAU, KFDM, KFEQ, KFMQ, KFMX, KFWA, KHJ, KLDS, KYW, PWX, WBBM, WBCN, WCAD, WCBD, WEAO, WEBH, WEBJ, WEBW, WENR, WGBS, WGES, WGN, WHAS, WHT, WIBO, WIP, WJAZ, WJJD, WKAQ, WLIB, WLS, WMAQ, WMBB, WOAI, WOC, WOK, WORD, WQJ, WRC, WREO.

Eastern Time Stations

CKAC, Montreal, Can. (410.7m-730kc), 1:45 p. m., luncheon music.

CKNC, Toronto, Can. (356.9m-840kc), 8-10 p. m., CKNC Little Symphony orchestra; Aeolian male quartet; Bazel Hall VanderVoort, soprano.

KDKA, Pittsburgh, Pa. (309.1m-970kc), 7:15, 8 a. m., morning services, O. Shannon; 5:15 p. m., children's period; 6:30, dinner concert; 9, Round Right opera hour.

WABQ, Haverford, Pa. (261m-1150kc), 11 p. m., Horace Hostler, organist; William Stewart, pianist.

WAHG, Richmond Hill, N. Y. (315.6m-950kc), 12:03 p. m., Grebe matinee trio; 7:30, Brooklyn Technical high school glee club; 8, Synchrophase hour; 9-9:15, Alyah Nichols' quartet; 10:03, program; 10:20, Joe Zimmerman's orchestra; 12, midnight popular program.

WBAL, Baltimore, Md. (246m-1220kc), 6-6:30 p. m., children's program; 6:30-7:30, dinner program, WBAL dinner orchestra, Robert P. Iula, director; 7:30-8, organ program, Frederick D. Weaver; 8-9, musical program, Melva Forsyth, contralto, Conner Turner, baritone; Arthur Morgan, violinist; 9-9:10, Hans Schuler, director Maryland Institute; 9:10-10, musical program, Rose Cushner, soprano; Philip Jeffreys and Josef Privette, pianists.

WBBR, New York, N. Y. (273m-1100kc), 8 p. m., Irene Kleinpeter, soprano; 8:20, Josephine Locke, violinist; 8:40, Bible instruction; 8:40, Irene Kleinpeter, soprano; 8:50, Josephine Locke, violinist.

WBZ, Boston, Mass. (333.1m-900kc), 6:30 p. m., Little symphony orchestra; 7:30, organ recital, Rene Dagenais; 8, Capitol theater orchestra, J. Fred Turcelon, director; 8:30, Rollstone male quartet; 9, concert, Aleppo drum corps or Shriners' band; 9:30, Movie club, George Locke, director; vaudeville attractions, Loew's State theater.

WCAU, Philadelphia, Pa. (278m-1080kc), 7:30 p. m., recital, N. Snellenburg and company; 8, Carolyn Thomas, soprano, Ella Jaquette Kratz, pianist; 8:15, recital; 9, Al Wing and his Surat Cane orchestra; 9:30, Carl Smith's Monday Nighters; 10, Arline R. Smith, soprano, Sarah Snyder, pianist; Kathryn Figthorne, contralto, Virginia Klein, pianist; 10:30, Parodians orchestra.

WEAF, New York, N. Y. (491.5m-610kc), 6:45, 7, 7:20 a. m., health exercises; 7:45-8, prayer service; 11:05, Regina Besner, pianist; 4 p. m., Henri Beaurand, tenor; 6, dinner music; 7:20, Dorothy Chancellor Curry, pianist; 7:30, lullaby lady; 8, "Pop" concert; 8:30, Coal Miner's trio, Burns Brothers; 9, A and P Gypsies; 10, grand opera, "La Sonnambula," Cesare Sodero, director; 11-12, Ben Bernie and his orchestra.

WEAO, Columbus, Ohio (293.9m-1020kc), 1:30 p. m., music.

WEAR, Cleveland, Ohio (389.4m-770kc), 7 p. m., Allen theater orchestra.

WEEI, Boston, Mass. (348.6m-860kc), 6:45 a. m., health exercises; 7:20 p. m., Rainbow Ramblers of Salem; 6:0, Joe Rines and his Hunters' Cabin orchestra; 7, Big Brother club; 7:45, Pearl Bates Morton, soprano; 8:15, Black Iron Shiners; 9, A and P Gypsies; 10, Scotty Holmes and his orchestra, Imperial marimba band.

WFI, Philadelphia, Pa. (394.5m-760kc), 1 p. m., tea room ensemble; 3, O'Henry stories, Emily Newland Eastland; talk, "Rome," Mrs. W. Ellis Groben; 6:30, Bellevue-Stratford concert orchestra; 7, Bellevue-Stratford dance orchestra.

WGBS, New York, N. Y. (315.6m-950kc), 1:30 p. m., Daniel Goedville, baritone; Jeanne O'Daire, songs; 3:15, Blanche Waters, soprano; 8:30, Premier club orchestra.

WGCP, New York, N. Y. (252m-1190kc), 3 p. m., Eva Rothenberg, pianist; 3:20, Le Roy Montesanto, tenor; 5:45, studio program; 4:15, Uncle Robert's Pals; 5:10, Pallock and Dorn; 8:30, Strickland's orchestra; 9-10, Perry Bradford's Cotton Belt quartet; 9:30, Barnett Olnberg, violinist; 10, Strickland's orchestra.

WGR, Buffalo, N. Y. (319m-940kc), 2:30 p. m., WGR's afternoon program; 6:30, Cliff Dwellers orchestra; 8, Allen's Saxophone band; 9, popular program by Wheat's division, General Ice Cream corporation; 10, Buffalo Arts club program; 11, Vincent Lopez Hotel Statler dance orchestra, Harold Gleser, director; John F. Gunderman, Jr., at the organ.

WGY, Schenectady, N. Y. (379.5m-790kc), 2 p. m., Ada Restaurant orchestra; 2:30, music; 6:30, dinner program, Porter E. Potts' Hotel Van Curler orchestra; 7:45, old songs, Pittsfield mixed quartet.

WHAR, Atlantic City, N. J. (275m-1090kc), 2 p. m., Seaside hotel trio; 7:30, talk, dance orchestra; 8, Seaside hotel trio; 11:30, orchestra.

WHN, New York, N. Y. (361.2m-830kc), 6 p. m., Littman's dinner music; 7, Twin Oaks orchestra; 7:30, Joe Ward's Swanee entertainers; 8, "Storage Batteries," H. B. Shontz; 8:05, Roseland dance orchestra; 11, Cotton club orchestra; 11:30, Silver Slipper revue and orchestra; 12-12:30 a. m., Parody club orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 1 p. m., Gimbel tea room orchestra; 3, Philadelphia Conservatory of Music recital, assisted by Anna Speck, soprano, Flora Ripka, pianist; 6:05, Benjamin Franklin hotel concert orchestra; 7, Uncle Wip's bedtime stories; dancing lessons, Miller Conservatory of Dancing.

WJAR, Providence, R. I. (305.9m-980kc), 7:45 p. m., Providence Dairy Grade "A" entertainers; 8:15, Fairlawn entertainers; 9, A. & P. Gypsies; 10, Grand opera.

WKAR, East Lansing, Mich. (285.5m-1050kc), 8-9 p. m., dance program.

WLIT, Philadelphia, Pa. (394.5m-760kc), 12:02 p. m., daily almanac; Stanley theater organ recital; Arcadia cafe concert orchestra; 2, Arcadia cafe concert orchestra; 4:30, recital; 7:30, Dream Daddy's bedtime stories; 8:15, Mrs. Snyder's ladies' quartet; 9, Stanley hour of music; 10, Arcadia cafe dance orchestra; 10:30, vaudeville features, Fay's Knickerbocker theater; 10:45, Benjamin Franklin El Patio orchestra.

WLWL, New York, N. Y. (288.3m-1040kc), 9:20 p. m., music; 10:30, music; 10:45, music.

WMAK, Buffalo, N. Y. (266m-1130kc), 7:30-8:30 p. m., Murray Whiteman and his serenaders; 8:30-9, Olympic theater program.

WMBF, Miami Beach, Fla. (384.4m-780kc), 7-9 p. m., Fleetwood Radio orchestra; 10-1 a. m., Gene Fosdick and his orchestra; Fleetwood Radio orchestra.

WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Hotel McAlpin string ensemble; 6:30, Hotel McAlpin orchestra; 7:30, Kurtz Karnival Kings; 8, Terminal music hour; 9, lecture, Christian Science, Algernon Hervey-Bathurst; 10:15, Barclay Radio program; 11:30, Denny's orchestra.

WNYC, New York, N. Y. (526m-570kc), 6:20 p. m., piano selections; 8:30, Friendly Sons of St. Patrick glee club; 10:35, Richmond Ver[illegible] orchestra.

WOO, Philadelphia, Pa. (508.2m-590kc), 11 a. m., organ recital; 12:02 p. m., Golden's crystal tea room orchestra; 4:45, organ recital; 7:30, A. Candelori's French Room orchestra; 8, "Pop" concert; 9, A and P Gypsies; 10, grand opera, WEAF Grand Opera company; 11, Sylvania dance orchestra.

WOR, New York, N. Y. (405.2m-740kc), 6:15 p. m., Hotel Shelton ensemble; 7:40, Central Park Casino; 8:30, Al Reid's hour; 11, Crusaders orchestra.

WRC, Washington, D. C. (468.5m-640kc), 12 m., Henri Smidt-Gregor, organist; 1 p. m., Shoreham hotel orchestra; 4:30, music.

WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., dinner concert, Speed-Wagon serenaders; Gold Standard ensemble.

WRVA, Richmond, Va. (256m-1170kc), 8:10 p. m., male chorus, J. Lamont Galbraith, director; 9:10, Acca Temple Shrine band, Nobel G. E. Mountcastle, director; 11, signing off.

WTAG, Worcester, Mass. (268m-1120kc), 12:05-2 p. m., WTAG orchestra; 9-10, Robin Hood hour of music; 10-11, "La Sonnambula," WEAF grand opera company.

WTAM, Cleveland, Ohio (389.4m-760kc), 6-7 p. m., Guy Lombardo and his Royal Canadians; 8-11, Patrick Henry high school band, St. Ann's boys' choir; 11-12, Austin Wylie's Vocalion Recording orchestra, 12-1 a. m., Royal Canadians.

WTIC, Hartford, Conn. (475.9m-630kc), 11:25 a. m., Beatrice Tougau, violinist; 12:05 p. m., luncheon music, Travelers' club orchestra; 6:30, Mother Goose, kiddies' entertainer, Bessie Taft; 6:50, Hub trio; 9, popular period; banjo and mandolin solos, Mr. and Mrs. F. C. Bradbury; 9:30, dance program, Emil Heimberger's Hotel Bond orchestra; 10:30, studio program, Franz Peter Schubert compositions; Travelers' symphonic ensemble.

WWJ, Detroit, Mich. (352.7m-850kc), 7:30-8 a. m., setting-up exercises, R. J. Horton; 9:30, "Tonight's Dinner;" 12:05, Jules Klein's Hotel Statler orchestra; 3 p. m., Detroit News orchestra; 6, dinner concert; 8, Ford Motor band; 9, A. & P. Gypsies.

Central Time Stations

CKY, Winnipeg, Can. (384.4m-780kc), 9 p. m., studio program; 11, revue, Metropolitan theater.

KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., dinner concert; 8:05-2 a. m., Univ. of Nebraska charter day program.

KFEQ, Oak, Nebr. (267.7m-1120kc), 2-3 p. m., Oak talent; 8:10, Edgar high school program.

KFKU, Lawrence, Kan. (275m-1040kc), 7:15 p. m., musical numbers, School of Fine Arts; Elise Arbuthnot, soprano.

KFKX, Hastings, Nebr. (288.3m-1040kc), 5:30 p. m., dinner concert, KDKA; 8:05-2 a. m., annual charter day program, Alumni association, Univ. of Nebraska.

KFMQ, Fayetteville, Ark. (299.8m-1000kc), 8 p. m., musical numbers, "Hearts Up," Owen Mitchel and his S. S. McKinley orchestra.

KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., concert, Henry Field Seed company.

KFRU, Columbia, Mo. (499.7m-600kc), 5:30 p. m., Bella Vista Quadrangle orchestra; 6:15, dinner program.

KFUO, St. Louis, Mo. (545.1m-550kc), 8 p. m., "The Young People and Their Work," Rev. W. Dietze; songs and music.

KFVE, University City, Mo. (240m-1250kc), 9:15 p. m., woman's hour, National Exposition; talks for amateur Radio enthusiast, T. B. Gibbs, studio entertainers; Orchestra Romaine; Nolan Nealy, organist.

KMA, Shenandoah, Iowa (252m-1190kc), 11:30-12:30 p. m., musical saw, J. A. Showers; 6-7, music; 9-11, Farnham trio.

KOIL, Council Bluffs, Iowa (278m-1080kc), 6:30 p. m., R. n. collegians; 7:30, Creighton dramatic club, Charles S. Costello, director; 9, Woodson's collegians; 10, Mona Motor Oil entertainers; 11, Al Reese and his Broadway orchestra.

KPRC, Houston, Tex. (296.9m-1010kc), 12 m., Frank Tilton, totally blind wonder boy pianist; 5:30 p. m., Uncle Judd's kiddies' hour; 7:30, Malon Gunn's dance orchestra; 8:30, Humble Oil and Refining company band, Charles Parker, director.

KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., fur hour, Alga Rambuechen, contralto; 9, Scotch program, Blanche MacGregor.

KSO, Clarinda, Iowa (242m-1240kc), 7-7:30 p. m., music, 7:30-9, G. W. Cain; Hay Mow Five; old-time contest.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9-9:30 p. m., Eastman eight orchestra, Jack Lube, director; 9:30-9:55, Arlington stringed quartet; Lou Chassy, violinist, Edward Richter, cellist; Henry Haynes, bass, and John Heyn, pianist; 10-11, Brick English's 10-piece novelty orchestra; 11-12, Firestone frolic.

KWWG, Brownsville, Texas (278m-1080kc), 8:30 p. m., military orchestra.

KYW, Chicago, Ill. (535.4m-560kc), 1-2 p. m., luncheon concert, Congress hotel; 6-7, KDKA symphony.

WAMD, Minneapolis, Minn. (244m-1230kc), 12 m., musical program, Collia Dare, contralto; Roy Nowack, banjoist; Jack Leeman, clarinetist; Chuck Johnson, uke; 5:45 p. m., WAMD Boys' A. C.; 6:15, WAMD "Traffic Squad"; 7:01, Garrick theater symphony orchestra, Fred Helseke, director; 7:20, classical program; 11, Skyrocket frolic, George Osborn's orchestra.

WBAP, Fort Worth, Tex. (475.9m-630kc), 7:30 p. m., Hart's Texans; 9:30, Ward's Trail Blazers; 11, Majestic theater.

WBBM, Chicago, Ill. (226m-1330kc), 4-6 p. m., Valentine Inn orchestra, Harry Sosnik, Sandy Meek; Irene Beasley, Jack P[illegible], Freddie Palmitter; Court Bank, Joe McMahon; Edna Wheeler Ballard, harpist; 6-7, Beulah Mowers, pianist; Two Jays, Charlie Garland; Lew Russell; George Marbach; Floyd Falch, Fair and Warmer, pianists; Dave Handler, violinist.

WCAL, Northfield, Minn. (336.9m-890kc), 8:30 p. m., St. Olaf concert band; Mrs. Gertrude Boe Overby, soprano; Raymond Reinholtzen, cornetist.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 12 m., Donaldson's orchestra; 2:30 p. m., concert; 4, readers' club, Mrs. Walter Stevens; 6:30, Gordon Cooke ensemble, Meta Ashwin Birnbach, soprano; 8, Univ. of Minnesota program; 9, classical concert.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., Trianon ensemble; 11:45-1 a. m., Ted Weem's Victor Recording orchestra.

WDOD, Chattanooga, Tenn. (256m-1170kc), 6:30-7 p. m., organ music, Tivoli theater; 7-8, Hotel Patten orchestra; 8:15, special features and program.

WFAA, Dallas, Tex. (475.9m-630kc), 12:30-1 p. m., Edmund Boettcher, tenor; Viola Cassidy, pianist; 4:30-5, Cyrus Barcus, cornetist; 6:30-7:30, Lone Star Five's orchestra; 8:30-9:30, Sears-Roebuck Agricultural Foundation program.

WGES, Oak Park, Ill. (250m-1200kc), 5-7 p. m., Coyne serenaders; organ, basso; pianist.

WGN, Chicago, Ill. (302.8m-990kc), 10-10:15 a. m., good health period; 10:15-10:45, entertainment for shut-ins; 12:01-12:30 p. m., noon hour entertainment for children, 12:40-2:30, luncheon concert, Drake concert ensemble; 2:30-3, Lyon and Healy artists' recital; 3:25, Port o' Missing Men; 3:30-4:15, tea time music, Marshall Field and company tea room orchestra; 4:30-5, organ recital, Edward Benedict; 5:30-5:57, Skeezix time; 6:30-7, dinner concert music.

WHAD, Milwaukee, Wis. (275m-1090kc), 11 a. m., pianologue, Andy Hertel; 1 p. m., Trixy Ann Troy, ukulele; 6:15-7, Bill Benning's Milwaukee Athletic club orchestra; 8-10, Marquette university studio program.

WHAS, Louisville, Ky. (399.8m-750kc), 1-2 p. m., concert, Royal Peacock orchestra; 3-3:30, organ recital, Mrs. Myrtle Fulks Zahn, Jr.; 4-5, concert, Harry S. Currie's Music Box; readings.

WHB, Kansas City, Mo. (365.6m-820kc), 2-3 p. m., Sweeney trio; 7-8, popular music, Sweeney Radio orchestra, Glen Durrell, director; readings, Lyra Ferguson; popular songs, Bert Bueder, Zelma Maddox, accompanist.

WHO, Des Moines, Iowa (526m-570kc), 7:30-8:30 p. m., Paul Stoye, pianist and composer; Joseph Gifford, reader; 8:30-9, program, Rhena Hayward, director; 11-12, Bankers Life Little Symphonic orchestra, Leon A. Dashoff, director.

WIBO, Chicago, Ill. (226m-1330kc), 2-4 p. m., program for shut-ins; Ted Fiorito, pianist; Dan Russo, violinist; Martie Tully, soprano; Wayne Meyers, reader, Hicky and Johnson; Connie Corwin, soprano.

WJAD, Waco, Tex. (352.7m-850kc), 8:30-10 p. m., Mrs. Alexander Dollins, director.

WKAF, Milwaukee, Wis. (261m-1150kc), 10-11 p. m., Helen Osmundsen, soprano; Leon Grieb, tenor; Viola Sontag, pianist.

WKRC, Cincinnati, Ohio (422.3m-710kc), 6 p. m., dinner music, Alvin Roehr and his Hotel Alms orchestra; 8, vocal and instrumental program, Eugene Perazzo; 9, program, American Legion; 12, frolic.

WLS, Chicago, Ill. (344.6m-870kc), 12 noon, R. F. D. noon program; WLS trio; 6 p. m., R. F. D. school program; WLS trio; 6:10, Ralph Emerson's organ recital.

WMAQ, Chicago, Ill. (447.5m-670kc), 2 p. m., program for shut-ins; 4:30, Glenn Dillard Gunn School of Music; 5, children's games, Glenn Adams; 5:15, Topsy Turvy time; 6, Chicago theater organ recital; 6:30, Hotel La Salle orchestra; 6:40, Family Altar league.

WMAZ, Macon, Ga. (261m-1150kc), 10-11 p. m., orchestra music, Glee club orchestra.

WNAD, Norman, Okla. (254m-1180kc), 8:10 p. m., Senior Girls quartet; ukulele ensemble; University choral club; Leslie Griffith, vocalist; 9, Phi Mu Alpha, compositions; 10:30, Delta Pi serenaders.

WOAN, Lawrenceburg, Tenn. (282.8m-1060kc), 9-10 p. m., male quartet, orchestra; 11:30-1:30 a. m., special program.

DANCING

Central Time

Saturday, February 13: 8, Wjr, Wsmb, Wpg; 8:30, Wfaa; 8:35, Wgy; 9, Webh, Weei, Wmbb, Wnyc, Wreo; 9:10, Kths, Wip; 9:30, Kths, Wgbs, Wor, Wrc; 10, Kfve, Kfwa, Koa, Kpo, Weaf, Wgn, Wjr, Whn, Wmca, Wnyc, Wor, Wqj, Wreo, Wtam; 10:05, Weco; 10:30, Wamd; 10:45, Wis; 11, Kfoa, Kfwa, Kfwb, Kpo, Webh, Wfaa, Wgbu, Who, Woc; 11:30, Kfoa; 11:45, Wdaf; 12, Kfwa, Kgo, Kgw, Knx, Wgbu, Wjjd.

Monday, February 15: 8, Wgcp; 9, Weei, Wgbu, Wjar, Wor; 9:15, Wahg; 10, Kths, Wgbu, Wgcp, Wgr, Wnyc, Wpg; 10:15, Wor; 10:30, Koa, Wgcp, Whn; 11, Kgw, Koil, Wgbu, Wgr, Who, Who; 11:45, Wdaf; 12, Knx, Kpo.

Tuesday, February 16: 9, Webh, Wgbu, Wmbb; 9:30, Weau, Webh, Wgy, Wip; 9:35, Wnyc; 10, Kfve, Webh, Wbbm, Weaf, Webh, Wgbu, Wgn, Whn, Wmca, Wnyc, Wpg; 10:15, Kths; 10:30, Kths, Whn; 10:45, Wsb; 11, Kgw, Koil, Wgbu, Whn; 11:30, Kfoa; 11:45, Wdaf; 12, Kgw, Khj, Knx, Kpo, Wdaf; 1, Wqj.

Wednesday, February 17: 9, Weei, Webh, Wgbu, Wgcp, Whn, Who, Wmbb, Wmca, Wlc; 9:15, Wahg; 9:30, Wbap; 10, Kfve, Whn, Wor, Wbap, Weaf, Wgcp, Wqj; 10:05, Weco; 10:30, Wbap, Whn; 11, Koil, Kpo, Webh, Wgbu, Wgcp, Wgr, Whn; 11:45, Wdaf; 12, Kfwa, Knx, Kpo, Wjjd.

Thursday, February 18: 8, Wjr; 9, Webh, Weei, Wgbu, Whn, Wjr, Wmbb, Wsai; 9:30, Wbz, Wip; 9:45, Wgbu, Wgy, Whn; 10, Kths, Wbbm, Weaf, Wgbu, Whn, Wnyc, Wqj; 10:30, Wbbm, Whn, Woc; 11, Webh, Wgbu, Wdaf; 11:45, Kgo, Khj, Knx, Kpo, Wjjd.

Friday, February 19: 9, Wwj, Weei, Webh, Wgbu, Wgcp, Wmbb; 9:15, Wahg; 9:30, Wbbm; 9:45, Wean, Wgbu; 10, Kpo, Kths, Wip, Wgr, Whn, Whn, Wrc; 10:30, Wmbb; 11, Kfwb, Kgo, Kpo.

WOAW, Omaha, Nebr. (526m-570kc), 12:45 p. m., Randall's Royal Fontenelle orchestra; 6, entertainment; 6:20, popular song period; 6:50, Randall's Royal Fontenelle orchestra; 9, classical.

WOC, Davenport, Iowa (483.6m-620kc), 5:45-6 p. m., chimes.

WOI, Ames, Iowa (270m-1110kc), 7:50 p. m., "The Perfect Tribute," Florence McComb.

WOS, Jefferson City, Mo. (440.9m-680kc), 8 p. m., concert, WOS; Franklin B. Launer, pianist; Helen Meyers, violinist; Alma Gray Hill, expressionist.

WSAI, Cincinnati, Ohio (325.9m-920kc), 8 p. m., A. and P. Gypsies, WEAF; 9, grand opera, "La Sonnambula," WEAF, Cesare Sodero, director; 10-12, Cincinnati community program, Dan Beddoe, tenor; community quartet; Governors' favorite musical compositions; 12, Freda Sanker's orchestra.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., Biltmore hotel orchestra; 10:45, Vick Myers' orchestra.

WSM, Nashville, Tenn. (282.8m-1060kc), 6:30 p. m., Francis Craig's orchestra; 7, bedtime story interlude; 8, Frank School of Music; 10, Vito Pellettieri and his orchestra.

WSMB, New Orleans, La. (319m-940kc), 9:30 p. m.-12:30 a. m., Dixola Novelty orchestra; St. Charles orchestra; Strand theater orchestra, details of "Comus Parade," Mardi Gras eve.

WSUI, Iowa City, Iowa (483.6m-620kc), 12:30 p. m., Harry Thatcher, pianist; 7:30, music.

Mountain Time Stations

KFXF, Colorado Springs, Colo. (250m-1200kc), 8:30-10:30 p. m., Colorado State School for Deaf and Blind Students.

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra; 8:30, Scheuerman's Colorado orchestra; 8:45, KOA orchestra; 9, voice culture, John C. Wilcox; 9:30, KOA orchestra.

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 5:30-6 p. m., Owen Fallon's Californians; 6, Nightly Doings; 6:15, KFI's Seeing California; 6:30, vest pocket program; 6:45, Radiotorial period, "The Romance of Radio"; 7-8, Chinese Garden's dance orchestra; 8-9, Screen Artists' string quartet; 9-10, program, Walter M. Murphy Motors company broadcast simultaneously from KFI and KPO; Zahpad trio in Slavonic music; 10-11, popular program by Meiklejohn brothers.

KFOA, Seattle, Wash. (454.3m-660kc), 7-8:15 p. m., Sherman Clay and company; 8:15-8:30, industrial news; 8:30-10, Times studio program.

KFON, Long Beach, Calif. (232.4m-1290kc), 6-6:30 p. m., Brayton's theater organ; 6:30-7, amusement information; 7-8, investors' hour; 8-9, Press-Telegram program; 9-11, KFON artists' frolic.

KFWA, Ogden, Utah (261m-1150kc), 4-5 p. m., organ recital, Paramount theater; 5-6, Ogden Radio dealers' program.

KFWB, Hollywood, Calif. (252m-1190kc), 7-7:30 p. m., program, Osborne, Kelsey company, featuring Sol Hoopii's Hawaiians, Esther White, blues singer; 7:30, program, Dr. Ralph Mitchell and the Friendly Dentists; 8-9, Bill Hatch's Oakmont Country club dance orchestra; 9-10, program, Star Motor Car company Million Dollar Four orchestra; Tom Breneman, baritone; Sol Hoopii's Hawaiians; 10-11, Warner Brothers' frolic with a famous movie star as guest announcer.

KGO, Oakland, Calif. (361.2m-830kc), 11:30-1 p. m., Pacific States Electric company luncheon concert; 3-4, musical program; 6-6:55, Baldwin Piano company dinner concert; Knickerbocker trio; 8, Arion trio.

KGW, Portland, Ore. (491.5m-610kc), 7:15 a. m., physical culture exercises; 12:30-1:30 p. m., concert; 6-7, dinner concert; 8-9, concert; 9-10, concert.

KLX, Oakland, Calif. (508.2m-590kc), 4-5 p. m., women's hour; 5-5:30, Aunt Elsie's sunset matinee; 6:30-7, Athens Athletic club orchestra; 8-9, studio program; 9-10, meeting of the Protective Order of Lake Merritt Ducks.

KMTR, Hollywood, Calif. (238m-1260kc), 7:15 p. m., Y. M. C. A. musical program; 8-10, Turner [illegible]tra in classical selections, Loren Powell, director; 10-11, Starr Piano company studio.

KNX, Hollywood, Calif. (336.9m-890kc), 5-5:30 p. m., Sunny Jim's talk; 5:30, First Presbyterian church organ; 5:55, Town Tattler; 6:15, travel talk, W. F. Alder; 6:30-7, Atwater Kent orchestra; 7-7:30, Mutual Motors mirth contest; 7:30-8, studio program; 8-9, program, L. W. Stockwell company; 9-10, Glassmobile Minstrels; 10-11, Goodrich Silvertown Cord dance orchestra, Lilyan May Challenger, contralto.

KOWW, Walla Walla, Wash. (256m-1170kc), 8-10 p. m., Walla Walla college; 10-12, dance music.

KPO, San Francisco, Calif. (428.3m-700kc), 7, 7:30, 8 a. m., daily dozen; 10:30, "Ye Towne Cryer"; 12 m., Scripture reading; 1-2 p. m., Rudy Seiger's Fairmont hotel orchestra; 2:30-3:30, matinee program; 5:15-6:15, children's hour; 6:30, "Ye Towne Cryer"; 6:40-7, Waldemar Lind and the States Restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel orchestra; 8-9, organ recital, Uda Waldrop; 9-10, simultaneously broadcasting for Walter M. Murphy Motor company; 10-11, Jack Coakley's Cabirians.

KTAB, Oakland, Calif. (240m-1250kc), 12-1 p. m., luncheon concert; 8-10, program, Western States Life Insurance company.

KWSC, Pullman, Wash. (348.6m-860kc), 7:30-9 p. m., Glow Williamson, vocalist; Margery Segessenmann, pianist; Gladys Fraser, violinist.

Tuesday, February 16

Headliners Today

Eastern	Central	Mountain	Pacific	Station
8 p. m.	7 p. m.	6 p. m.	5 p. m.	KFNF (263m-1140kc) Papillion.
8:15	7:15	6:15	5:15	WIP (508.2m-590kc) Civic symphony orchestra.
8:30	7:30	6:30	5:30	WHAS (399.8m-750kc) Zoeller's Melodists. WJZ (454.3m-660kc), WGY (379.5m-790kc), WRC (468.5m-640kc) Edison hour.
9	8	7	6	WMAQ (447.5m-670kc) Kent-Oklahoma debate
9:30	8:30	7:30	6:30	KPRC (296.9m-1010kc) Edna Adams, Sweetheart of the Air.
10:30	9:30	8:30	7:30	KFMX (315.6m-950kc) "Mosul," Prof. Clark.
11	10	9	8	KGO (361.2m-830kc) Eveready program. KTHS (374.8m-800kc) College night.
11:30	10:30	9:30	8:30	CNRV (291.1m-1030kc) "Peg o' My Heart." WOC (483.6m-620kc) Orpheus club.
11:45	10:45	9:45	8:45	WSB (428.3m-700kc) Suwanee glee club.

Tuesday, silent night for: CFCA, CHIC, CKNC, CKY, CNRC, CNRE, CNRM, CNRO, CNRW, CNRT, KFKX, KFKU, KFMQ, KFUO, KFWA, KYX, KOA, KOAC, KOB, KOWW, KUOM, KWSC, PWZ, WABQ, WAHG, WAMD, WBBR, WCAD, WCAP, WGCP, WGST, WHAD, WHAZ, WJAD, WJAZ, WKAF, WKAQ, WLWL, WOI, WRVA, WSUI, WTAM, WTIC.

Eastern Time Stations

CKAC, Montreal, Can. (410.7m-730kc), 7:15 p. m., Windsor hotel dinner concert; 10:30, Windsor hotel dance program.

CNRA, Moncton, Can. (291.1m-1030kc), 7 p. m., juvenile program, Prof. C. M. Wright, director; 8, Hiram Ball, organist; Mrs. Harold J. Cole, soprano; Alice Lea, contralto; Walter Neale, tenor; 10, CNRA orchestra.

KDKA, Pittsburgh, Pa. (309.1m-970kc), 7:15, 8 a. m., services, O. Shannon; 5:15 p. m., Daddy Winkum; 6:30, dinner concert; 8:30, sacred song period; 9, American program, Tuesday musical choral club, Charles N. Boyd, director; 10:10, Little symphony orchestra concert, Victor Saudek, director; Clara Huhn, soprano; Sara Logan, contralto; Roy Strayer, tenor; 11:35, concert, Grand theater.

WAHG, Richmond Hill, N. Y. (315.6m-950kc), 12:05 p. m., musical.

WBAL, Baltimore, Md. (246m-1220kc), 6:30-7:30 p. m., dinner program, WBAL dinner orchestra, Robert P. Iula, conductor; 7:30-8, WBAL quartet; 8-9, musical program; Marie Buddy, soprano; George Bolek, pianist; James Wilkinson, baritone; 9-10, WBAL string trio; Philip Jeffreys, pianist.

WBZ, Boston, Mass. (333.1m-900kc), 6:30 p. m., Little symphony orchestra, KDKA; 6:45, Hotel Lenox ensemble; 8, professional hockey game, Boston Bruins vs. Pittsburgh.

WCAU, Philadelphia, Pa. (278m-1080kc), 7:30 p. m., concert, N. Snellenburg and company; 8, building and loan talk; 8:10, Three Brothers; 8:25, theater digest; 8:05, WCAU players; 9, Robert Fraser, blind Gospel

FARMERS' PROGRAMS INDEX

Farmer Dinner Concerts

Daily Except Sunday

CENTRAL TIME

KFNF, 12:15-1:35 p. m.
KMA, 12:30-1:30 p. m.
KSO, 12:30-1:30 p. m.
WLS, 12 noon.

Saturday, February 13

Eastern	Central	Mountain	Pacific	Program
1:45 p. m.	12:45 p. m.	11:45 a. m.	10:45 a. m.	WOI (270m-1110kc) Soils, questions and answers.
8	7	6	5	KDKA (309.1m-970kc) Farm program.

Sunday, February 14

Eastern	Central	Mountain	Pacific	Program
3:30 p. m.	2:30 p. m.	1:30 p. m.	12:30 p. m.	WFAA (475.9m-630kc) Sunday hour for farmers.

Monday, February 15

Eastern	Central	Mountain	Pacific	Program
1:15 p. m.	12:15 p. m.	11:15 a. m.	10:15 a. m.	WEAO (293.9m-1020kc) Timely Economic Information for the Farmer, C. J. West. WOC (483.6m-620kc) "Alfalfa Meal in the Brood Sows Ration."
1:35	12:35	11:35	10:35	KSAC (340.7m-880kc) "Register Your Winter Calf Crop," J. W. Linn. "Cedar Apple Rust," D. R. Porter.
1:45	12:45	11:45	10:45	WOI (270m-1110kc) Dairy Production. WMAQ (447.5m-670kc) Radio farm school
1:50	12:50	11:50	10:50	KFKX (288.3m-1040kc) "Alfalfa Meal in the Brood Sows Ration," Prof. John Ervard.
7	6	5	4	WGY (379.5m-790kc) Agricultural program.
7:45	6:45	5:45	4:45	WSOE (246m-1220kc) Hog Raising.
8	7	6	5	KSO (242m-1240kc) Farm talk.
8:15	7:15	6:15	5:15	KSAC (340.7m-880kc) "Industrial Wages and Farm Prices," W. Grimes. "Growing Sorghums for Syrup," J. W. Zahnley.
8:30	7:30	6:30	5:30	KFMQ (299.8m-1000kc) Farmers' night. "Temporary Spring Pastures," Dr. J. Burleson; "Hogs in Northwest Arkansas," O. L. McMurray; "Keeping Young Farm Folks Busy," W. J. Jernigan; "Rice as an Industry in Arkansas," W. D. Ezell. WMC (499.7m-600kc) Talk. WOI (270m-1110kc) "Care of Transmission, Differential and Running Gear of the Automobile," Prof. Virgil Gunder.
8:45	7:45	6:45	5:45	WCCO (416.4m-720kc) The Farm Vegetable Garden, "Planting and Care of Crops," F. Krantz.
9:05	8:05	7:05	6:05	KFAB (340.7m-880kc) "The Value of Pure Viable Seed and Ways and Means of Obtaining It," F. D. Keim; "Planning for Summer and Fall Blooms," C. Wiggans.
9:30	8:30	7:30	6:30	KOB (348.6m-860kc) "Mating and Breeding," L. N. Berry. "Weeds," R. Crawford.
10	9	8	7	KOAC (280.2m-1070kc) Agricultural question box "Preparing Lambs for Market," H. A. Lindgren.
10:30	9:30	8:30	7:30	KOAC (280.2m-1070kc) "Factors in Growing Spring Vegetables," A. G. Bouquet.
10:45	9:45	8:45	7:45	KOAC (280.2m-1070kc) "Oregon's Agricultural Situation," R. S. Besse.
12:15 a. m.	11:15	10:15	9:15	KSWC (348.6m-860kc) "Hints on Feeding Young Chicks," W. D. Buchanan.

Tuesday, February 16

Eastern	Central	Mountain	Pacific	Program
11:30 a. m.	10:30 a. m.	9:30 a. m.	8:30 a. m.	KFAB (340.7m-880kc) "Brooding the Chicks," S. Marsden.
1:15 p. m.	12:15 p. m.	11:15	10:15	WOC (483.6m-620kc) "Factors in Successful Poultry Management."
1:35	12:35	11:35	10:35	KSAC (340.7m-880kc) "Potato Prospects for Kansas Growers," E. A. Stokdyk. "Boy Champions," H. Coe.
1:45	12:45	11:45	10:45	WMAQ (447.5m-670kc) Radio farm school.
1:50	12:50	11:50	10:50	KFKX (288.3m-1040kc) "Why Do Chicks Die in the Shell?" A. G. Philips.
7:10	6:10	5:10 p. m.	4:10 p. m.	WEAO (293.9m-1020kc) Poultry—"Brooding Problems of the Poultry Man," E. L. Dakan.
7:15	6:15	5:15	4:15	WKAR (285.5m-1050kc) "The Care of the Pleasure Horse," J. P. Hutton. "A Review of the Results of Three Years of the International Laying Contest," C. M. Ferguson.
7:45	6:45	5:45	4:45	WEAO (293.9m-1020kc) "Making New Friends Among Vegetables," L. M. Montgomery. WKAR (285.5m-1050kc) "Draft Horse Types," R. Hudson.
8	7	6	5	KPRU (499.7m-600kc) "Horses and Mules as Farm Power," D. Chittenden. KSAC (340.7m-880kc) "Feeding Fall Pigs," A. D. Weber. "Feeding for Economical Milk Production," H. W. Cave. KSO (242m-1240kc) Farm talk. WOC (483.6m-620kc) "What Does It Cost to Raise a Pig to Weaning Time?"
8:33	7:33	6:33	5:33	KYW (535.4m-560kc) "Forests and Life," Edward Hines. "Value of Foreign Red Clovers."

Wednesday, February 17

Eastern	Central	Mountain	Pacific	Program
1:15 p. m.	12:15 p. m.	11:15 a. m.	10:15 a. m.	WOC (483.6m-620kc) The A B C's of Dairying.
1:35	12:35	11:35	10:35	KSAC (340.7m-880kc) "Supplementing the Rainfall," Claude K. Shedd. "Rhubarb Culture," A. J. Stokdyk.
1:45	12:45	11:45	10:45	WMAQ (447.5m-670kc) Radio Farm school. WOI (270m-1110kc) Poultry husbandry.
1:50	12:50	11:50	10:50	KFKX (288.3m-1040kc) "A B C's of Dairying," C. Long.
7:15	6:15	5:15 p. m.	4:15 p. m.	WKAR (285.5m-1050kc) "The Newer Fruit Varieties," S. J. Johnston. "Winter Injury and Winter Killing," F. C. Bradford.
9:05	8:05	7:05	6:05	KFAB (340.7m-880kc) "How to Choose a Tractor," H. L. Wallace. "Getting Horses Ready for Spring Work," W. W. Derrick.

Thursday, February 18

Eastern	Central	Mountain	Pacific	Program
1:15 p. m.	12:15 p. m.	11:15 a. m.	10:15 a. m.	WOC (483.6m-620kc) "The Soy Bean—Its Place in Corn Belt Agriculture."
1:35	12:35	11:35	10:35	KSAC (340.7m-880kc) "Buy Baby Chicks from Tested Flocks," J. W. Lumb. "Control of Poultry Coccidiosis," D. J. Taylor.
1:45	12:45	11:45	10:45	WMAQ (447.5m-670kc) Radio farm school. WOI (270m-1110kc) Farm crops.
1:50	12:50	11:50	10:50	KFKX (288.3m-1040kc) "The Soy Bean—Its Place in Corn Belt Agriculture," J. Hackleman
7:15	6:15	5:15 p. m.	4:15 p. m.	WKAR (285.5m-1050kc) "Cow Testing Associations," A. Baltzer. "Importance of Minerals in the Dairy Ration," C. Huffman; "History and Development of Cheese Industry," O. Reed.
8	7	6 p. m.	5:00 p. m.	KSO (242m-1240kc) Farm talk. WEAO (293.9m-1020kc) "Poultry—Feeding Baby Chicks," Prof. E. L. Dakan.
8:30	7:30	6:30	5:30	WOI (270m-1110kc) "Increasing the Return from Oats," Prof. L. C. Burnett.
8:33	7:33	6:33	5:33	KYW (535.4m-560kc) "Future Cattle Kings in the Making," W. Tomhave.
9:30	8:30	7:30	6:30	KOA (322.4m-930kc) Farm question box.

Friday, February 19

Eastern	Central	Mountain	Pacific	Program
1:15 p. m.	12:15 p. m.	11:15 a. m.	10:15 a. m.	WOC (483.6m-620kc) Special farm service day.
1:35	12:35	11:35	10:35	KSAC (340.7m-880kc) "Kansas Three Billion Dollar Manure Pile," E. B. Wells. "Keeping Down the New Prairie Dog Crop," Roy Moore.
1:45	12:45	11:45	10:45	WOI (270m-1110kc) Agricultural Economics.
2	1	12 n.	11	KFKX (288.3m-1040kc) Special Farm Service day. WMAQ (447.5m-670kc) Radio farm talk.
7:15	6:15	5:15 p. m.	4:15 p. m.	WKAR (285.5m-1050kc) Wheat and Chaff. "Lincoln's Agricultural Vision," H. C. Rather. "Experiments with Beans at the Michigan Experiment Station," H. R. Pettigrove. "Bean Growing," Brown Brothers.
8	7	6	5	KSO (242m-1240kc) Farm talk.
8:45	7:45	6:45	5:45	WCCO (416.4m-720kc) Flower Growing—Perennials, H. R. Mackintosh.
10:45	9:45	8:45	7:45	KOAC (280.2m-1070kc) "Inspection of the Auto's Electrical Wiring System," K. F. Coulson.

Markets and Weather

Daily Except Sunday

Eastern	Central	Mountain	Pacific	Program
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.	WFAA (475.9m-630kc) Markets. WOAW (526m-570kc) Markets.
9:45	8:45	7:45	6:45	KDKA (309.1m-970kc) Livestock, grain.
10	9	8	7	WLS (344.6m-870kc) Livestock, markets, fruit. WOS (440.9m-680kc) Hogs.
10:30	9:30	8:30	7:30	KFKX (288.3m-1040kc) Weather, hog market, local produce, hay, Chicago Board of Trade futures. WFAA (475.9m-630kc) Markets.
10:45	9:45	8:45	7:45	WCCO (416.4m-720kc) Markets. WMC (499.7m-600kc) Weather, markets.
11	10	9	8	WOS (440.9m-680kc) Weather, hogs.
11:15	10:15	9:15	8:15	WTAG (268m-1120kc) Markets, weather.
11:30	10:30	9:30	8:30	KFKX (288.3m-1040kc) Weather, Chicago Board of Trade, livestock, Chicago and New York butter and egg market, local produce. WCCO (416.4m-720kc) Markets. WEAR (389.4m-770kc) Markets, weather.
11:45	10:45	9:45	8:45	WAAW (384.4m-780kc) Livestock, butter, eggs.
12 n.	11	10	9	KDKA (309.1m-970kc) Weather, livestock, grain. WBAP (475.9m-630kc) Weather, cattle, grain. WLS (344.6m-870kc) Poultry, dairy, hogs, sheep. WOS (440.9m-680kc) Livestock, poultry, eggs, grain.
12:30 p. m.	11:30	10:30	9:30	KFKX (288.3m-1040kc) Livestock, fruit, vegetables, dairy. WEAR (384.4m-780kc) Markets, weather. WFAA (475.9m-630kc) Markets.
1	12 n.	11	10	WBAP (475.9m-630kc) Markets. WHT (238m-1260kc) Fruit, weather. WOS (440.9m-680kc) Livestock, weather.
1:30	12:30	11:30	10:30	KTHS (374.8m-800kc) Markets, weather. KFKX (288.3m-1040kc) Weather, livestock, potato market, apples. WOAW (526m-570kc) Markets.
1:35	12:35	11:35	10:35	KPO (428.3m-700kc) Butter, eggs, cheese, poultry
1:45	12:45	11:45	10:45	KOA (322.4m-930kc) Weather, roads, livestock, poultry.
2	1	12 n.	11	WOC (483.6m-620kc) Weather, grain, livestock, dairy. WOS (440.9m-680kc) Grain.
2:15	1:15	12:15 p. m.	11:15	WAAW (384.4m-780kc) Grain markets. WFAA (475.9m-630kc) Markets.
3	2	1	12 n.	WLS (344.6m-870kc) Livestock, grain, dairy, fruit, vegetables. WOS (440.9m-680kc) Livestock, markets, grain.
3:30	2:30	1:30	12:30 p. m.	WFAA (475.9m-630kc) Markets. WMC (499.7m-600kc) Markets, weather.
3:50	2:50	1:50	12:50	WWJ (352.7m-850kc) Weather, markets.
4	3	2	1	KFKX (288.3m-1040kc) Weather, Chicago Board of Trade futures, Kansas City cash grain report, Omaha grain, livestock. WCCO (416.4m-720kc) Markets. WCX (516m-580kc) Stocks and grain. WFAA (475.9m-630kc) Markets.
5:50	4:50	3:50	2:50	WHAS (399.8m-750kc) Markets.
6:30	5:30	4:30	3:30	KSAC (340.7m-880kc) Markets.
6:45	5:45	4:45	3:45	WIP (508.2m-590kc) Livestock, markets.
7:30	6:30	5:30	4:30	KMA (252m-1190kc) Markets and weather. KSAC (340.7m-880kc) Market review.
7:45	6:45	5:45	4:45	KFWA (261m-1150kc) Market reports.
8	7	6	5	KFKX (288.3m-1040kc) Weather, livestock, Boston wool, Omaha grain. KOA (322.4m-930kc) Sheep, markets, livestock, poultry.
11	10	9	8	WCCO (416.4m-720kc) Weather, grain.

"PEG O' MY HEART" COMEDY AT CNRV

Tuesday, February 16

singer, Elizabeth Holtz, accompanist; 9:30, Sea Gulls; 10, Ed McCauley and his Pals; 10:30, Billy Hayes and his orchestra.

WEAF, New York, N. Y. (491.5m-610kc), 6:45, 7, 7:20 a. m., health exercises; 7:45-8, prayer service; 11, Louise Lawrence trio; 11:25, 11:50, Louise Lawrence trio; 4 p. m., Sonia Troiano, soprano; 4:15, Harry Planten, pianist; 6, dinner music; 7, James Blauvelt, tenor; 8, Blue Ribbon quartet; 8:30, Gold Dust Twins; 9, Eveready hour; 10, auction bridge game; 10:30, Vincent Lopez and his orchestra; 11-12, Ross Gorman and his orchestra.

WEAO, Columbus, Ohio (293.9m-1020kc), 1:15 p. m., Robert Coleman, pianist; 4:10, Mrs. Harvard Vallance, soprano; Charlotte Vallance, pianist; 8:50, music; 10, Hotel Fort Hayes hour of music.

WEAR, Cleveland, Ohio (387.4m-770kc), 7 p. m., State theater vaudeville and music; 8, studio program, instrumental ensemble; 8:30, Gold Dust Twins, WEAF; 9, Eveready entertainers, WEAF; 10, program; 10:30, Vincent Lopez and his orchestra, WEAF; 11, Wormack's singing syncopators.

WEEI, Boston, Mass. (348.6m-860kc), 6:45 a. m., health exercises; 3 p. m., Eugene's singing orchestra; 5, Joe Herlihy's Collegians; 6, George Joy and Nell Cantor, popular songsters; 7, Big Brother club; 7:30, Salem Chamber of Commerce program; 8, Blue Ribbon quartet, WEAF; 8:30, Gold Dust Twins, WEAF; 9, Eveready hour, WEAF; 10, Radio auction bridge game, WEAF; 10:30, Vincent Lopez and his orchestra, WEAF.

WFI, Philadelphia, Pa. (394.5m-760kc), 1 p. m., tea room ensemble; 6:30, Bellevue-Stratford concert orchestra; 7, Bellevue-Stratford dance orchestra; 8, concert from WEAF; 8:30, Gold Dust Twins; 9, Eveready hour; 10, concert from WEAF.

WGBS, New York, N. Y. (315.6m-950kc), 1:30 p. m., Landau's serenaders; 3, Inez Quick, soprano; Rex Benware, reader; 7, Arrowhead Inn concert orchestra; 8:15, New York Newspaper Women's club; 10:30, Arrowhead Inn orchestra.

WGCP, New York, N. Y. (252m-1190kc), 3 p. m., Ona Welsh, pianist; 3:20, Paul Hogan, tenor; Isabelle Henderson, soprano; Max Heitt, violinist; 4:10, Leslie McLeod, tenor; 4:25, studio program; 4:45, Ukulele Bob McDonald.

WGR, Buffalo, N. Y. (319m-940kc), 2:30 p. m., WGR's afternoon program; 6:30, Vincent Lopez Hotel Statler dance orchestra, Harold Gieser, director; 8, jointly with WEAF, including Blue Ribbon male quartet, the Gold Dust Twins, Eveready hour, auction bridge players, and Vincent Lopez and his Casa Lopez orchestra.

WGY, Schenectady, N. Y. (379.5m-790kc), 2 p. m., music; 2:30, organ recital, Stephen Boisclair; 6:30, dinner program, Porter E. Potts' Hotel Van Curler orchestra; 7:45, Marine band, WRC; 8:30, Edison hour, WJZ; 9:30, WGY orchestra; 10:30, dance program.

WHAR, Atlantic City, N. J. (275m-1090kc), 2 p. m., Seaside hotel trio; 7:30, talk; 8, Seaside hotel trio; 11:15, Strand theater organ recital.

WHN, New York, N. Y. (361.2m-830kc), 12:30-1 p. m., organ; 2-3:15, vaudeville; 3:15, Lexington orchestra; 6, Treasureland Neighbors; 6:30, Everglades orchestra; 7, Vincent Lopez's Ireland orchestra; 7:30, Will Oakland Chateau Shanley; 11:30, Charles King's Fifty-fourth Street club orchestra; 12:30-1 a. m., Bob Murphy's orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 1 p. m., organ recital, Germantown theater; 3, Carolyn Schimminger, soprano; Elizabeth Gear, pianist; Babette Gerhab, contralto; Flora Ripka, pianist; 6:05, Al Lentz and his Versatile entertainers; 7, Uncle Wip's bedtime stories; songs, Naomi Walsh; 8, dramatic review, Elliott Lester; 8:15, Civic symphony orchestra of Camden, Raymond Vetter, conductor, Helen Buchanan Hitner, soloist; 10:05, movie talk, Eli M. Orowitz; 10:30, Pagoda cafe orchestra.

WJAR, Providence, R. I. (305.9m-980kc), 1:05 p. m., Providence Biltmore concert orchestra; 7:30, Novelty Park club program; 8:05, Novelty Park club; 8:30, Gold Dust Twins; 9, Eveready hour.

WLIT, Philadelphia, Pa. (394.5m-760kc), 11 a. m., organ recital; 12:02 p. m., daily almanac; Arcadia cafe concert orchestra; 2, Arcadia cafe concert orchestra; 7:30, Dream Daddy's bedtime stories.

WMAK, Buffalo, N. Y. (266m-1130kc), 6:15-7:15 p. m., dinner music program.

WMBF, Miami, Beach, Fla. (384.4m-780kc), 7-9 p. m., Fleetwood Radio orchestra; 10-1 a. m., Gene Fosdick and his orchestra; Fleetwood Radio orchestra.

WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., American School association; 8:15, Landay hour; 9:25, Insurance Square club dinner; 11, Hotel McAlpin orchestra.

WNYC, New York, N. Y. (526m-570kc), 7:10 p. m., Canadians; 8, concert; 10, Harry Ash's orchestra; 10:05, Harry Ash's orchestra.

WOO, Philadelphia, Pa. (508.2m-590kc), 11 a. m., organ recital; 12:02 p. m., Golden's crystal tea room orchestra; 3:15, organ recital; 7:30, A. Candelori's concert orchestra.

WOR, New York, N. Y. (405.2m-740kc), 7:15 p. m., Jacques Jacobs' Hotel Shelton ensemble.

WRC, Washington, D. C. (468.5m-640kc), 12 m., George F. Ross, organist; 1 p. m., Hotel Washington orchestra; 7, "Show Shopping," Leonard Hall; 7:30, U. S. Marine band; 8:30, New York Edison hour, WJZ, WGY; 10:30, W. Spencer and his Hotel Mayflower orchestra.

WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., dinner concert, Speed-Wagon serenaders; Gold Standard ensemble; 8, Univ. of Notre Dame vs. Michigan State college basketball game; 9:15, Reo Motor Car company band, Carl Hall Dewey, conductor; Reo Motor Car company glee club, Fred Killeen, director; Werner Tapio, xylophonist.

WTAG, Worcester, Mass. (268m-1120kc), 12:05-2 p. m., WTAG orchestra; 9-10, Eveready hour; 10:30-11, Vincent Lopez and his orchestra.

WTAM, Cleveland, Ohio (389.4m-760kc), 6-7 p. m., Hotel Hollenden orchestra.

WWJ, Detroit, Mich. (352.7m-850kc), 9:30 a. m., "Tonight's Dinner"; 12:05 p. m., Jules Klein's Hotel Statler orchestra; 3, Detroit News orchestra; 6, dinner concert; 8, concert, WEAF.

Central Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., Cow Bell boys; 8:05-10:30, musicale, Univ. of Nebraska.

KFDM, Beaumont, Tex. (315.6m-950kc), 12:30-1 p. m., band concert; 7-7:30, children's program; 8-10, musical program, South Park Junior college.

KFEQ, Oak, Nebr. (267.7m-1120kc), 2-3 p. m., Nelson Church program; 8:10, concert, Superior, Nebr.

KFKX, Hastings, Nebr. (288.3m-1040kc), 5:30 p. m., dinner concert, KDKA.

KFMQ, Fayetteville, Ark. (299.8m-1000kc), 8 p. m., David C. Hazzard, violinist.

KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., Papillion, Nebr., concert.

KFRU, Columbia, Mo. (499.7m-600kc), 8:45 a. m., public school convocation; music, students of Stephens College Conservatory of Music; 6:15 p. m., dinner program; 6:45, children's hour.

KFVE, University City, Mo. (240m-1250kc), 9:15 p. m., piano selections; entertainers; Solan Nealy, organist.

KLDS, Independence, Mo. (441m-680kc), 6:30 a. m., morning devotional program; 8 p. m., program, William Jewell college, Liberty, Mo.; 11:59, midnight program; organ requests, Herbert Johnson.

KMA, Shenandoah, Iowa (252m-1190kc), 11:30-12:30 p. m., request songs, Mrs. May; 6-7, May Flower trio; 9-11, May's mandolin musicians.

KPRC, Houston, Tex. (296.9m-1010kc), 12 m., educational programs; 5:30 p. m., Uncle Judd's kiddies' hour; 7:30, Ralph Park's dance orchestra; 8:30, Circle H glee club, Prof. C. A. Hammond, director; 9, Edna Adams, assisted by Mrs. E. E. Sawyer, pianist.

KSD, St. Louis, Mo. (545.1m-550kc), 6:55 p. m., WEAF chain.

KSO, Clarinda, Iowa (242m-1240kc), 7-7:30 p. m., music; 7:30-8:30, Snappy Seven; 8:30-9:30, Roy Wilson's orchestra.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9-9:15 p. m., organ recital; 9:15-10, dance concert; 10-11, college night.

KWWG, Brownsville, Texas (278m-1080kc), 6 p. m., songs.

WGES, Oak Park, Ill. (250m-1200kc), 5-7 p. m., flute duo; organ basso; 8-9, piano; orchestra; organ; tenor; 11-1 a. m., piano; tenor; soprano; organ features.

WGN, Chicago, Ill. (302.8m-990kc), 10-10:15 a. m., good health period; 10:15-10:45, entertainment for shut-ins; 11-11:30, morning organ concert, Chicago theater, Dean Fossler; 12:01-12:30 p. m., noon hour entertainment for children; 12:40-2:30, luncheon concert music; 2:30-3, Lyon and Healy artists' recital; 3:25, Port o' Missing Men; 3:30-4:15, tea time music; 4:30-5, organ recital, Edward Benedict; 5:30-5:57, Skeezix time; 6:30-6:45, dinner concert music; 6:45-7, old-time favorite songs; 8-9, Eveready hour; 9-10, musical program; 10-10:10, "Sam 'n' Henry," Radio comic strip; 10:10-10:15, old-time favorite songs; 10:15-11, dance music; songs, Correll and Gosden, Freda Leonard and Jewell Barnett.

WHAD, Milwaukee, Wis. (275m-1090kc), 11 a. m., pianologue, Andy Hertel; "Getting the First Thousand," Carl Skinrood; 4 p. m., musical numbers; 6:15-7, Bill Benning's Milwaukee Athletic club orchestra.

WHAS, Louisville, Ky. (399.8m-750kc), 12-1 p. m., noonday service, Trinity Methodist church, Rev. Dr. John Lowe Fort, pastor; Mrs. Madge Terry Lewis, music director; 1-2, concert, Benson trio; 3-3:30, organ recital, Mrs. Myrtle Fulks Zahn, Jr.; 4-5, concert, Campus Cracks; Wallace Wilson, saxophone; Walter Haynes, banjo; Charles O'Connell, pianist; concert, Harry S. Currie's Music Box; readings; 7:30-9, concert, Carl Zoeller's Melodists, Carl Zoeller, drums, director; H. C. Lampe, pianist; Ed Reichmuth, saxophone; Cliff Eblen, saxophone; Charles Albus, trumpet; Gordon Switzer, violinist; William Talamini, banjo.

WHB, Kansas City, Mo. (365.6m-820kc), 7-7:30 p. m., organ selections, Morrill Moore; 8-10, feature program; Otts Boys' band; men's chorus of twenty voices; Helen Seckler, violinist; Sarah Burns, pianist; old-time music, Frank Johnson and Earl Garret, violinist and pianist.

WHO, Des Moines, Iowa (526m-570kc), 7:30-8 p. m., Raleigh quintet; 8-9, Bankers Life trio, Helen Birmingham, director; 11-12 midnight, Bankers Life "Corn Sugar" orchestra.

WIBO, Chicago, Ill. (226m-1330kc), 2-4 p. m., program for shut-ins; Ted Fiorito, pianist; Dan Russo, violinist; Marie Tully, soprano; Wayne Meyers, reader; Mr. Wallace, singer; Dorothy Davie Dillow, soprano; 6-8, dinner concert; American ballads, Walter Preston; WIBO string trio; 3, Bernice Taylor, soprano; Charlotte Edwards, contralto; Eugene Wallenius, tenor; Ruth Goll, pianist; 12, midnight jamboree; Dan Russo, violinist; Ted Fiorito, pianist; Wayne Meyers, reader; Marie Tully, soprano; Harry Davis.

WJJD, Mooseheart, Ill. (370.2m-810kc), 12-1 p. m., Palmer House symphonic players; Palmer House trio; 2-3:30, organ hour; 4-5, child artists; children's assembly; 5:30-7, instrumental hour; Palmer House symphonic players; Howard L. Peterson, organist; Palmer House Victorians; 8-9, children's hour; 10-11, feature hour; Rushmore ensemble singers; Palmer House Victorians; 12:30 a. m., Knights of the Burning Candle.

WKRC, Cincinnati, Ohio (422.3m-710kc), 10 p. m., Alvin Roehr and his Hotel Alms dance orchestra; 11, Doc Howard and his Cuvier quartet, orchestra and entertainers, Reine Gau, Phil Pavy, Ollie Grimm and Jimmie Schuh, pianist.

WLIB, Chicago, Ill. (302.8m-990kc), 7-7:30 p. m., musical program; 7:30-8, Gold Dust Twins; 11-1 a. m., dance music; songs, Correll and Gosden, Freda Leonard and Jewell Barnett.

WLS, Chicago, Ill. (344.6m-870kc), 12 noon, R. F. D. noon program; Ford and Glenn; 6 p. m., R. F. D. school program; Ford and Glenn; 6:40, Ralph Emerson's organ recital; 7, Ford and Glenn, lullaby time; 7:20, group ladies voices of Apollo club, violin soloist.

WMAQ, Chicago, Ill. (447.5m-670kc), 2 p. m., program for shut-ins; 4:15, Chicago High School Teachers' council; 4:45, pupils of Columbia School of Music; 5:15, Topsy Turvy time; 6, Chicago theater organ recital; 6:30, Hotel La Salle orchestra; 9:30, Mary Bowen, violinist.

WMAZ, Macon, Ga. (261m-1150kc), 8-9 p. m., religious services, Bishop Ainsworth.

WMBB, Chicago, Ill. (250m-1200kc), 7-8 p. m., Trianon duo; Genevieve Barry Burnham, soprano; Edwin House, bass; Preston Graves, pianist; short talk on finance; 9-11, Trianon orchestra; Woodlawn theater orchestra; Oxford girls; Harmony duo; Eddie Matts; Billie Donovan; Bob Duffy.

WNAD, Norman, Okla. (254m-1180kc), 7 p. m., Billy Thompson, baritone; Rothwell Stephens, pianist; Tiny Mary Gaylord, violinist; Ada Nye, violinist; Pi Kappa Phi quartet; 10:30, Boomers.

WOAN, Lawrenceburg, Tenn. (282.8m-1060kc), 9-9:30 p. m., Walter B. Seale and orchestra; 9:30-10, quartet, orchestra.

WOAW, Omaha, Nebr. (526m-570kc), 12:45 p. m., Gilbert Jaffy and his Little Symphony; 6, entertainment; 6:50, orchestra; 9, classical program; 10:30, Herb Feierman and his Omadala orchestra; 12, Rialto alarm.

WOC, Davenport, Iowa (483.6m-620kc), 7:30-8 p. m., Gold Dust Twins, WEAF; 8-9, Eveready hour, WEAF; 9-9:30, bridge game; 10:30-11:30, Orpheus club.

WOI, Ames, Iowa (270m-1110kc), 12:30 p. m., chimes.

WOK, Chicago, Ill. (217.3m-1380kc), 4:30-7 p. m., Capitol theater organ program; 10-1:30 a. m., Tearney's town club orchestra; Carl Lorraine's Pershing Palace orchestra; Husk O'Hare's Cocoanut Grove orchestra; Capitol theater program; program.

WOQ, Kansas City, Mo. (278m-1080kc), 8-9 p. m., devotional musical program.

WORD, Batavia, Ill. (275m-1090kc), 7-7:45 p. m., musical program; 7:45-8, Bible questions and answers; 9-9:45, program, W. A. Sheaffer Pen company; 9:45, readings; 11-11:45, program, Public Service Company of Northern Illinois.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Ralph Williams and his Rainbo Gardens orchestra; Fontenelle duo, Harmony singers, Peggy Jewett, first soprano, Bertha McGrath, second soprano; Kenneth Sterling, baritone; Everett George Opie, dramatic director and character reader; 10-1, Jerry Sullivan, singing "Whadd-a-ya-say?"; Rose Vanderbosch, soprano and pianist; Hal Lansing, ukulele; Merrill Carder, baritone; Ila Shannabrook, soprano; Will Rossiter; Hollingsworth and Altamoore, guitars; Romo Vincent, boy baritone; 1-2 a. m., Ginger hour, Ralph Williams, the Ginger man and Little Skylarks.

WSAI, Cincinnati, Ohio (325.9m-920kc), 5:30 p. m., twilight musicale, WSAI concert studio; 6:30, musical program, WSAI; 7, Mabley and Carew orchestra, Reuben Lawson, director; 8, Eveready hour, WEAF; 9-9:30, auction bridge, WEAF; 9:30-10, musical program; 12, Freda Sander's orchestra.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., Lyon and King de luxe concert; 10:45, Swanee glee club.

WSM, Nashville, Tenn. (282.8m-1060kc), 10 p. m., Beasley Smith's orchestra.

WSUI, Iowa City, Iowa (483.6m-620kc), 12:30 p. m., Jeanette Rothschild, soprano.

Mountain Time Stations

CNRR, Regina, Can. (476m-640kc), 8 p. m., Al Johnston's Arcadians orchestra.

KFXF, Colorado Springs, Colo. (250m-1200kc), 8:30-10:30 p. m., musicale.

KOA, Denver, Colo. (322.4m-930kc), 12:15 p. m., Rialto theater musicale; 3:30, matinee; 6:30, Brown Palace string orchestra.

Pacific Time Stations

CNRV, Vancouver, Can. (291.1m-1030kc), 7:30 p. m., health talk, Dr. O. S. Parrett; 8:30, "Peg o' My Heart," comedy; incidental music, Marky Galetti; 10:30, Cabaret Belmont orchestra; Bebe Mullar.

KFI, Los Angeles, Calif. (467m-642kc), 5:30-6 p. m., California serenaders; 6, nightly doings; 6:15, KFI's Seeing California; 6:30, vest pocket program; 6:45, Radiotorial period; 7-8, program arranged by Clara Belle Patten-Wallace; 8-9, program arranged by Frank Barry, tenor; 9-10, Packard Eight dance orchestra; 10-11, Packard ballad hour with Marion Boogar, Paul Roberts, Jackie Lucas and other favorites.

KFOA, Seattle, Wash. (454.3m-660kc), 6-6:30 p. m., Atwater Kent boys; 7-8:15, Olympic Calpet Refining company; 8:30-10, entertainers; 10-11, Jackie Souder's Club Lido serenaders.

KFON, Long Beach, Calif. (232.4m-1290kc), 6-6:30 p. m., Brayton's theater organ; 6:30-7, amusement information; 7-8, Footwarner's dance orchestra; 8-9, Press-Telegram program; 9-11, Long Beach Aero club weekly Hi-Jinks.

KFWA, Ogden, Utah (261m-1150kc), 4-5 p. m., organ recital, Paramount theater; 5-6, Ogden Radio dealers' program.

KFWB, Hollywood, Calif. (252m-1190kc), 5-6 p. m., children's hour, Big Brother of KFWB; 7:45, microphone brevities; 8-9, Jack Smith's dance orchestra, Esther Horowitz, violinist, Hazel Thomas, soprano; 9-10, Mosley brothers, banjo duets; Henry Kaplan, pianist; Bill Blake, tenor; 10-11, Warner Brothers' frolic, direction Charlie Wellman.

KGO, Oakland, Calif. (361.2m-830kc), 4-5:30 p. m., concert orchestra, Hotel St. Francis; 6-6:55, Baldwin Piano company dinner concert; Knickerbocker trio; 8-9, Eveready program, Eva Gruninger Atkinson, contralto; Easton Kent, tenor; Marion Nicholson, violinist; 9-9:30, Marjorie Sprague Stoner, contralto; Beatrice L. Sherwood, accompanist; 10-12, Girvin-Deuel's California Collegians.

KGW, Portland, Ore. (491.5m-610kc), 12:30-1:30 p. m., concert; 6-7, dinner concert; 8-10, educational program; auction bridge lesson; McElroy quartet; 10-12, dance music; Curt Kremer, pianist.

KHJ, Los Angeles, Calif. (405.2m-740kc), 6-6:30 p. m., Leighton's Arcade cafeteria orchestra, Jack Cronshaw, leader; 6:30-7:30, history story, Prof. Hertzog; weekly visit of Queen Titania and the Radio Fairies; Charles Leslie Hill, readings; Lenore Killian, contralto; 8-10, program, Builders' Finance association.

KMTR, Hollywood, Calif. (238m-1260kc), 6-7, p. m., Starr Piano company studio; 8-10, Turner concert orchestra, Loren Powell directing.

KNX, Hollywood, Calif. (336.9m-890kc), 5-5:30 p. m., Sunny Jim's talk; 5:30, First Presbyterian church organ; 5:55, Town Tattler; 6:15, travel talk, W. F. Alder; 6:30-7, Atwater Kent concert orchestra; 7-7:45, program by Overell's; 7:45, health talk, Dr. Robert T. Williams; 8-9, program, Globe Ice Cream and Weber Bread companies; 9-10, program, Western Auto Supply company; Optimist male quartet; Marcia Obuchon, concert pianist; 10-11, dance music.

KPO, San Francisco, Calif. (428.3m-700kc), 7, 7:30, 8 a. m., daily dozen; 10:30, "Ye Towne Cryer"; 1-2 p. m., Rudy Seiger's Fairmont hotel orchestra; 2:30-3:30, matinee program; 3:30-4:30, Cyrus Trobbe's Palace hotel concert orchestra; 5:15-6:15, children's hour; 6:30, "Ye Towne Cryer"; 6:40-7, Waldemar Lind and the States Restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel orchestra; 8-9, program, Harry Bluitman, baritone, featuring piano and violin solos, tenor and baritone duets; 9-10, program, Mona Motor Oil trio and Gypsy and Marta, close harmony team; 10-11, Palace hotel dance orchestra, Gene James, director.

KPSN, Pasadena, Calif. (315.6m-950kc), 8-9 p. m., Star-News concert.

KTAB, Oakland, Calif. (240m-1250kc), 12-1 p. m., luncheon concert; 8-10, studio program.

CLASSICAL CONCERTS INDEX

Saturday, February 13

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.
WCX, WEAF, WMCA, WREO.			
7	6	5	4
KGO, KYW, WEAR, WENR, WMAQ, WOAW, WOK, WRC.			
8	7	6	5
KDKA, KFNF, KOIL, KSD, KYW, WGN, WMBB, WNYC, WOAW, WQJ.			
9	8	7	6
KFOA, KPRC, KHJ, KYW, WLW, WORD, WSAI, WSOE			WHAS, WIP,
10	9	8	7
KNX, KYW, WEAF, WOC, WORD.	WMAQ, WMC,		WOAW,
11	10	9	8
KGO.			
12 m	11	10	9
WOAW.			

Sunday, February 14

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.
WCAU.			
7:20	6:20	5:20	4:20
WCAE, WCAU, WEAF, WEAR, WEEI, WJAR, WTAG, WWJ.			
8	7	6	5
KYW, WAMD, WBZ, WEAR, WGBS, WGCP, WKAQ, WLS, WORD.			
9	8	7	6
KFDM, KPRC, KSD, WBZ, WCAU, WCBD, WCCO, WEAR, WGY, WHAR, WHT, WNYC, WQJ.			
9:15	8:15	7:15	6:15
WEEI, WJAR, WTAG.			
10	9	8	7
KHJ, KNX, KTHS, KYW, WCCO, WNYC, WOC, WQJ, WSOE.		WFAA,	
11	10	9	8
KFVE, KHJ, KNX, KPO, KTHS, KYW, WHN, WKRC, WOC.			
12 m	11	10	9
KHJ, KNX, WOC.			
1 a. m.	12 m	11	10
KNX.			

Monday, February 15

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.
KGO, WCX, WEAF, WMCA, WREO, WWJ.			
7	6	5	4
KMA, WCCO, WEAF, WEAR, WHAD, WJR, WOAW, WOK.			
8	7	6	5
KFNF, KSD, WBBR, WBZ, WCAU, WCX, WHAR, WHT, WJAR, WLW, WMBB, WTAG, WTIC.			
9	8	7	6
KFOA, KGO, KHJ, KPRC, WBBR, WCCO, WBZ, WCAE, WEEI, WHAD, WHO, WJAR, WLW, WORD, WOS.			
10	9	8	7
KMA, KPO, KPRC, KSD, KTHS, WAMD, WCCO, WEAF, WHAD, WJAR, WOAW, WSUI, WTAG.			
11	10	9	8
KGW, KHJ, KMA, KSD, KTHS, KWSC, WHN, WSAI.			
12 m	11	10	9
KGW, WBAP, WSAI.			
1 a. m.	12 m	11	10
KHJ.			

Tuesday, February 16

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.
WBZ, WCX, WEAF, WMCA, WREO, WWJ.			
7	6	5	4
KGO, KMA, WEAR, WEBJ, WGBS, WHAD, WJR, WMAQ, WOAW, WOK, WOR, WTIC, WWJ.			
8	7	6	5
KFNF, KSD, KYW, WBZ, WCAE, WCAU, WCX, WEAR, WEEI, WGR, WHAR, WHT, WLS, WMBB, WQJ, WRC, WTIC.			

Wednesday, February 17

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.
WCX, WEAF, WMCA, WREO, WWJ.			
7	6	5	4
KGO, WEAR, WHAD, WJR, WMAQ, WOK, WTIC.			
8	7	6	5
KFNF, KPRC, KSD, KYW, WAMD, WBZ, WCX, WEAF, WEEI, WHT, WLW, WMBB, WMCA, WQJ, WTAG, WWJ.			
9	8	7	6
KFOA, KGO, KPRC, KSD, KYW, WBZ, WCCO, WDAF, WEEI, WGR, WHAD, WHAS, WJAR, WMAQ, WOR, WOS, WORD.			
10	9	8	7
KFMX, KMA, KNX, KTHS, WAMD, WCCO, WEAF, WEEI, WGR, WHAD, WJAR, WLS, WMAQ, WNYC, WOC, WSOE.			
11	10	9	8
KGO, KGW, KMA, KPO, KTHS, WCAE, WLS, WLW, WOC, WSAI.			
12 m	11	10	9
KGW, KPO, WHAD, WLW.			
1 a. m.	12 m	11	10
WLW.			

Thursday, February 18

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.
WBZ, WCX, WEAF, WIP, WMCA, WREO, WWJ.			
7	6	5	4
KGO, KSD, WEAF, WEAR, WGBS, WHAD, WJR, WMAQ, WOAW, WOK, WWJ.			
8	7	6	5
KYW, WBBR, WBZ, WCAU, WCCO, WCX, WEAR, WEEI, WGR, WGY, WHAR, WHT, WLS, WLW, WMBB, WOAW, WQJ, WTAG, WTIC.			
9	8	7	6
KHJ, KLDS, WBAP, WCAE, WCAU, WCBD, WCCO, WEAF, WEEI, WGR, WHAR, WHAS, WJAR, WNYC, WOC, WORD, WRC, WASI, WSB, WTAG.			
10	9	8	7
KNX, KPRC, KTHS, KYW, WAMD, WGR, WGY, WHAD, WMC, WOAW, WOC, WSAI.			
11	10	9	8
KGO, KPO, KTHS, WBAP, WKRC.			
12 m	11	10	9
KGW, KPO, WHO, WKRC.			

Friday, February 19

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.
KGO, WCX, WMCA, WREO, WWJ.			
7	6	5	4
KGO, WEBJ, WGY, WHAD, WJR, WMAQ, WOAW, WOK, WOR, WTIC.			
8	7	6	5
KYW, WAHG, WAMD, WBZ, WCAU, WCX, WEBJ, WEEI, WHT, WLS, WQJ, WWJ.			
9	8	7	6
KFDM, KFNF, KFOA, KGO, KHJ, KSD, KYW, WBAP, WBZ, WCAU, WDAF, WEEI, WHAD, WJAR, WMAQ, WMCA, WSAI.			
10	9	8	7
KFAB, KFDM, KOA, WCCO, WHAD, WMAQ.			
11	10	9	8
KFMX, KHJ, KNX, KPO.			
12 m	11	10	9
KPO.			

COLUMBUS MEN'S QUARTET AT WEAO

Wednesday, February 17

Headliners Today

Eastern	Central	Mountain	Pacific
8 p. m.	7 p. m.	6 p. m.	5 p. m.

WBZ (333.1m-900kc) Liberty drum corps, ancient and modern music.
WGR (319m-940kc) Audubon Terrace entertainers.
9 8 7 6
WCAE (461.3m-650kc) Ohio Ramblers.
WDAF (365.6m-820kc) American Legion program.
WOO (508.2m-590kc) American male quartet.
WSB (428.3m-700kc) Atlanta and West Point Route band.
10:15 9:15 8:15 7:15
KOA (322.4m-930kc) Mirado concert trio.
KTHS (374.8m-800kc) Victor Herbert selections.
11 10 9 8
WSM (282.8m-1060kc) University quartet.
12 11 10 9
KPRC (296.9m-1010kc) Queen theater orchestra.

Wednesday, silent night for: CHIC, CKNC, CNRA, CNRC, CNRE, CNRM, CNRR, CNRT, CNRV, KFAU, KFDM, KFEQ, KFKU, KFMQ, KFXF, KGO, KLDS, KOB, KTAB, WABQ, WBAL, WBBR, WCAD, WCBD, WEBW, WFAA, WGBS, WGCP, WGST, WHAR, WHAZ, WIP, WJAD, WJAZ, WLWL, WMC, WOAI, WOAW, WOI, WPG, WRC, WREO.

Eastern Time Stations

CKAC, Montreal, Can. (410.7m-730kc), 1:45 p. m., luncheon trio.

CNRO, Ottawa, Can. (434.5m-690kc), 8 p. m., Chateau Laurier concert orchestra; Ottawa male quartet; Mrs. W. G. Fraser, violinist; Gladys Ewart, pianist; Chateau Laurier dance orchestra.

KDKA, Pittsburgh, Pa. (309.1m-970kc), 7:15-8 a. m., exercises, O. Shannon; 12:20 p. m., Trinity church Lenten service; 5:45, Postman Dan; 6:30, dinner concert; 5:30, Independent Wall Paper Pierrots; 9, barn dance program.

WAHG, Richmond Hill, N. Y. (315.6m-950kc), 12:03 p. m., musicale; 7:30-7:45, Ballner string ensemble; 8, Mischa Tulin, pianist; 8:15, Viola Scherer, soprano; 8:30-9, Serenaders Plectrum quintet; 9:15-9:45, Royal male quartet; 10:03, Raymond Maher, baritone; 10:20, Frank Lapeire's collegians.

WBZ, Boston, Mass. (333.1m-900kc), 6:30 p. m., Little symphony orchestra, KDKA; 6:45, Hotel Kimball dance orchestra, Bob Patterson; 7:30, Radio Nature league, Thornton W. Burgess, director; 8, Liberty drum corps, ancient and modern music; drum solos; 8:20, concert, Hazel Farrar, pianist; Clare Chalmers, lyric soprano; Eileen Kennedy, violinist; Arthur Thouin, baritone; Gladys Kiefer, pianist; 9:15, Anna Eichorn ensemble; Anna Eichhorn, violinist; Marion Harlow Watson, harpist; Eulalia Snyder Buttelman, pianist; Claramond Thompson, contralto; 10:20, fiddlers' contest, Cooks' Butterfly ballroom.

WCAU, Philadelphia, Pa. (278m-1080kc), 6:45 p. m., Parodians dance orchestra; 7:30, concert, N. Snellenburg & Co.; 8, talk; 8:10, Jeff Kame's musical adventures; 9, Rigo's Royal Gypsy band; 9:30, Jones' Jolly Four; 10, Lew Chapman's Inter-Fraternity dance orchestra; 10:45, Frank Cook, songs; 11, Artie Bittong's Cheer-up club.

WEAF, New York, N. Y. (491.5m-610kc), 6:45-7-7:20 a. m., health exercises; 7:45-8, prayer service; 11:05, Rev. Michael Magidson, tenor; 12, chapel services; 4 p. m., Ray Nichols Recording orchestra; 4:30, John Allegra, baritone; 6, dinner music; 7, synagogue services; 7:30, Chamber musicale; Elvira Boni, soprano; Nino Ruisi, bass and symphonic instrumental quartet; 8:30, Davis saxophone octet; 9, Ipana Troubadours; 10, Roxy and his gang; 11-12, Hughie Barrett and his orchestra.

WEAO, Columbus, Ohio (293.9m-1020kc), 8:15 p. m., Chillicother ladies quartet; 8:45, quartet.

WEAR, Cleveland, Ohio (389.4m-770kc), 7 p. m., Hotel Cleveland orchestra, Frederick Jaussen, director.

WEEI, Boston, Mass. (348.6m-860kc), 6:45 a. m., health exercises; 5:20 p. m., Hughie Connor and his Black and White orchestra; 6:30, Joe Rines and his Hunters' Cabin orchestra; 7, Big Brother club; 7:30, Aiden Redmond, baritone; 7:45, Peerless tours, Joe Toye; 8, musical skit, R. V. Pettingell Electric company; 8:30, Davis saxophone octet, WEAF, Ipana Troubadours, WEAF; 10, Roxy and his gang, WEAF.

WFI, Philadelphia, Pa. (394.5m-760kc), 10:30 a. m., Betty Crocker; 1 p. m., Tea Room ensemble; 3, Martha Krips, soprano; Maude Justice, contralto; 6:30, Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra.

WGBS, New York, N. Y. (315.6m-950kc), 1:30 p. m., Samuel Kirkland, violinist; Albertine Babst, soprano; 3, shut-ins at Hushwick hospital; 6:30, Jersey Collegians.

WGCP, New York, N. Y. (252m-1190kc), 3 p. m., Lillian Rubin; 3:45, Tracey and Mohr; 4:10, Joseph Peoney; Haines Good News Party; 4:35, Jeane A'Dair; 5:10, Charlotte Trystman, pianist; 7, orchestra; 7:30, Clarence Williams' trio 7:50, Kennedy harmony group; 8:15, Charol de Thomee, pianist.

WGR, Buffalo, N. Y. (319m-940kc), 2:30 p. m., WGR's afternoon program; 6:30, Joe Armbruster's orchestra; 8, Audubon Terrace entertainers; 8:30, jointly with WEAF, including Davis saxophone octet, and Ipana troubadours; 10, concert by Ethyol McMullen; 11, Vincent Lopez Hotel Statler dance orchestra, Harold Gieser, director, John F. Gunderman, Jr., at the piano.

WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., children's program; 7, dinner program, Eastman theater orchestra, WHAM; 7:30, Book of Knowledge program; 8:05, musical program, Rochester, N. Y., WHAM.

WHN, New York, N. Y. (361.2m-830kc), 7 p. m., Parody club orchestra; 7:30, Akradyne entertainers; 10, Roseland dance orchestra; 10:30, Anatol Friedland; 11, Silver Slipper orchestra; 11:30, Lew Brown, Sidney Claire; 12, Cotton club orchestra; 12:30, Harry Richman and his entertainers.

WIP, Philadelphia, Pa. (508.2m-590kc), 1 p. m., Gimbel tea room orchestra; 3:15, Shapp Instrumental trio; 7, Uncle Wip's bedtime stories.

WJAR, Providence, R. I. (305.9m-980kc), 1:05 p. m., Green Acre Lodge orchestra; 7:30, musicale; 10, Roxy and his gang.

WKAR, East Lansing, Mich. (285.5m-1050kc), 8-9 p. m., musical program.

WKAQ, San Juan, P. R. (340.7m-880kc), 6-8 p. m., municipal band.

WLIT, Philadelphia, Pa. (394.5m-760kc), 12:02 p. m., daily almanac; Stanley theater organ recital; Arcadia cafe concert orchestra; 2, Arcadia cafe concert orchestra; 7:30, Dream Daddy's bedtime stories; 8, Arcadia cafe concert orchestra; 8:20, Wincopp quartet; 10, Arcadia cafe dance orchestra.

WLWL, New York, N. Y. (288.3m-1040kc), 9:15 p. m., entertainers; 9:45, McEvoy concert.

WMAK, Buffalo, N. Y. (266m-1130kc), 7:45-8 p. m., Y. M. C. A. program; 8-8:30, song recital, Ester Thorp Throop and Grace Sandel; 8:30-9, musicale; 9-10, dance program, Knell's Tokio orchestra.

WMBF, Miami Beach, Fla. (384.4m-780kc), 7-9 p. m., Fleetwood Radio orchestra; 10-1 a. m., Gene Fosdick and his orchestra; Fleetwood Radio orchestra.

WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Hotel McAlpin string ensemble; 6:30, Hotel McAlpin orchestra; 11, Hofbrau Haus entertainers; 11:30, Jack Denny's orchestra.

WNYC, New York, N. Y. (526m-570kc), 7:35 p. m., song recital; 8, dance program; 9, concert.

WOO, Philadelphia, Pa. (508.2m-590kc), 11 a. m., organ recital; 12:02 p. m., Golden's crystal tea room orchestra; 4:45, organ recital; 7:30, Slyvania dance orchestra; 8, concert from WEAF; 8:30, Davis saxophone octet; 9, WOO American male quartet; 9:25, talk, Rev. Forrest Fager; 10, Fox theater studio program; 10:30, Hotel Slyvania dance orchestra.

WOR, New York, N. Y. (405.2m-740kc), 6:19 p. m., Hotel Shelton ensemble; 8:30, Hevre sisters; 9:45, Sam Siegel, mandolinist; 10, Ballin and Race, piano duo.

WRC, Washington, D. C. (468.5m-640kc), 12 noon, Gertrude Smallwood, organist; 1 p. m., Lee House trio; 4:15, Meyer Davis Le Paradis band; 5, music.

WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., dinner concert; Speed Wagon Serenaders; Gold Standard ensemble.

WRVA, Richmond, Va. (256m-1170kc), 8:10 p. m., Prof. Ernest H. Cosby, organist; 9, orchestra concert.

WTAG, Worcester, Mass. (268m-1120kc), 12:05-2 p. m., WTAG orchestra; 3-5, WTAG orchestra; 8:30-9, Davis saxophone octet; 9-10, program; 10-11, Roxy and his gang.

WTAM, Cleveland, Ohio (389.4m-760kc), Royal Canadians; 8-11, city of Cleveland program; 11-1, Royal Canadians.

WTIC, Hartford, Conn. (475.9m-630kc), 6:30 p. m., Hotel Bond trio; 8, concert, Hartford hospital nurses' glee club, Moshe Paranov, director; 8:30, Katherine Horahan, soprano; Elizabeth Flagg, pianist; 9:15, piano recital, Laura Gaudet; 9:30, organ recital, Esther A. Nelson.

WWJ, Detroit, Mich. (352.7m-850kc), 7:30-8 a. m., setting-up exercises, R. J. Horton; 9:30, "Tonight's Dinner"; 12:05, Jules Klein's Hotel Statler orchestra; 3 p. m., Detroit News orchestra; 6, dinner concert; 8, News orchestra and soloists; 9, dance program; 10, Roxy and his gang.

Central Time Stations

CKY, Winnipeg, Can. (384.4m-780kc), 7:30 p. m., Canadian National Railway's program, Ft. Garry hotel.

CNRW, Winnipeg, Can. (384.4m-780kc), 7:50 p. m., Fort Garry Hotel, Irvine Plumm and his Fort Garry hotel orchestra; 8:45, Lily Clatworthy, soprano; Syd Barnes, reader; Mrs. J. V. Dillabough, pianist; 10, Irvine Plumm and his Garry hotel orchestra; Al Kilgour.

KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., dinner concert; 8:30-10:30, American Legion State program.

KFEQ, Oak, Nebr. (267.7m-1120kc), 2-3 p. m., Oak talent; 8:30-10, Fairbury (Nebr.) concert.

KFKX, Hastings, Nebr. (288.3m-1040kc), 5:30 p. m., dinner concert, KDKA; 9, musical program.

KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., concert.

KFRU, Columbus, Mo. (499.7m-600kc), 5:30 p. m., Bella Vista Quadrangle orchestra; 9-11, musical program, faculty and students of Stephens College Conservatory of Music.

KFVE, University City, Mo. (240m-1250kc), 9:15 p. m., woman's hour, Woman's National exposition; Romaine Fielding, reader; Solan Nealy, organist; Paul and Jack Snyder.

KMA, Shenandoah, Iowa (252m-1190kc), 11:30-12:30 p. m., Charles Skinner, banjoist; 9-11, Bobbie and Babe Riddle; William Cunningham, farmer Scotchman.

KPRC, Houston, Texas (296.9m-1010kc), 12 m., Lions' club luncheon program, I. C. Timmins, president; 5:30, Uncle Judd's kiddies' hour; 7:30, MacFarland-Cochran trio; violin, cello and piano, presenting Marjorie and Jean MacFarland, Mrs. J. Earl Cochran; 8:30, E. J. Katzmark, tenor, Mabel Lewis, pianist; 11, Queen theater orchestra, Joseph E. LeBlanc, conductor.

KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., Fur hour, Hotel Statler orchestra; 8, Ipana Troubadours.

KSO, Clarinda, Ia. (242m-1240kc), 7-7:30 p. m., music; 7:30-9, Duo Art trio.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9-9:15 p. m., violin recital, Lon Chassy, John G. Heyn, accompanist; 9:15-9:30, Victor Herbert selections, Meyer Davis ensemble; 9:30-10, concert, Mrs. Hubert A. Craig, vocalist; Immanuel quartet; 10-10:45, frolic.

KWWG, Brownsville, Texas (278m-1080kc), 6 p. m., frolic.

KYW, Chicago, Ill. (535.4m-560kc), 12:05-1 p. m., concert; 1-2, Joska DeBabary and his orchestra; 6-7, KDKA symphony; 7:30-8, half-hour of music; 10-12-30, midnight revue; Paul Ash and his orchestra; Coon-Sanders; 1-2, Insomnia club.

WAMD, Minneapolis, Minn. (244m-1230kc), 12 m., classical program, James Harper, violinist; Bell Jones, accompanist; Rose Feiker Asplen, soprano; Ella Sundstrom Pendleton, accompanist; 6:15, dinner concert, George Osborn's orchestra; 7:10, classical program, Edna Weese, soprano; Donald Mensing, violinist; Martin Friedman, pianist; 11, Skyrocket frolic, George Osborn and his orchestra.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 7 p. m., midweek church service, Rev. C. E. Bergquist, pastor; 8, Ipana Troubadours, WEAF; 9, Nash-Finch concert orchestra; 10:05, Dick Long's Nankin cafe orchestra; 11:30, Eddie Dunstedter, organist.

WBBM, Chicago, Ill. (226m-1330kc), 4-6 p. m., Harry and Sandy; Valentino Inn orchestra; Edna Wheeler Ballard, harpist; Harold Morava, lyric tenor; Johnny Black; court banks; Ralph Botthof; 8-10, WBBM string trio; Moulin Rouge orchestra; Phillip Nilles, tenor; Sunset quartet; Rudy Winter; Floyd Falch; 12-2, Lew Russell; Charlie Garland; Two Jays, Jeske and Jordan; Harold Anderson, accordianist; Moulin Rouge orchestra; Spencer, Lavergne and Shayne, xylophone trio; Joe Buck, uke and banjo; Claire Matthews; visualized Hawaiian quartet; Floyd Falch; Ariston trio.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., Trianon ensemble; 8-10, American Legion; 11:45-1, Ted Weem's Recording orchestra; Eddie Kuhn's orchestra.

WDOD, Chattanooga, Tenn. (256m-1170kc), 6:30-7 p. m., organ music, Tivoli theater; 7-8, Hotel Platten orchestra; 8:15, special features and program.

WEBH, Chicago, Ill. (370.2m-810kc), 7-8 p. m., Emer-son Military band; 9, Oriole orchestra; 9:45, Florence Behrend, soprano; Eugenia Dolberg, pianist; 11, Oriole orchestra; Irene Beasley; Frank Bordner, revue.

WENR, Chicago, Ill. (266m-1130kc), 6-7 p. m., dinner concert; Rauland-Lyric trio; instrumental solos; vocal; 8-10, popular program; All-American Pioneers; Claire Gorska Geis, soprano; J. E. Peterson, basso; Dorothy Cutler, pianist; Archie Rawls, tenor; Art Bliquist, singer; 12-2 a. m., frolics, Frank Westphal and his All-American Pioneers; Hal Laige, saxophone; James Beaumont, banjo; vocal.

WFAA, Dallas, Texas (475.9m-630kc), 12:30-1 p. m., Sears-Roebuck Agricultural Foundation program.

WGES, Oak Park, Ill. (250m-1200kc), 5-7 p. m., basso; pipe organ; tenor; 8-9, orchestra; contralto; 11-1 a. m., Coyne serenaders; comedian; organ; tenor; piano; orchestra.

WGN, Chicago, Ill. (302.8m-990kc), 10-10:15 a. m., good health period; 10:15-10:45, entertainment for shut-ins; 11-11:30, organ concert, Chicago theater, Dean Fossler; 12:01-12:30, noon hour entertainment for children; 12:40-2:30, luncheon concert music; 2:30-3, Lyon and Healy artist recital; 3:25, Port o' Missing Men; 3:30-4:15, tea time music; 4:30-5, Skeezix time; 6:30-6:45, dinner concert music; 6:45-7, old-time favorite songs; 8-9, musical program; 9-10, "Roxy" and his gang; 10-10:10, "Sam 'n Henry," Radio comic strip; 10:10-10:15, old-time favorite songs; 10:15-11, dance music, songs, Correll and Gosden, Freda Leonard and Jewell Barnett; Hawaiian guitar music, Langdon brothers.

WHAD, Milwaukee, Wis. (275m-1090kc), 11 a. m., pianologue, Andy Hertel; the Housewife; 4 p. m., "With the Humorists," John R. Wolfe; Mrs. Marie Weiss, pianist; Linda Hering, saxophone; 6:15-7, Arthur Richter, organist; 10:30-11:30, popular dance hits, Dexter's Wisconsin and Elger's Creole roof orchestras; 11:30-12:30 a. m., Edmund Fitch, organist.

WHAS, Louisville, Ky. (399.8m-750kc), 1-2 p. m., concert, Barney Rapp's orchestra; 3-3:30, organ recital, Mrs. Myrtle Fulks Zahn, Jr.; 4-5, concert, Harry Currie's music box; readings; 7:30-9, concert, auspices of Liberty Insurance bank, Joseph J. Eisenbeis, director.

This pretty senorita is Helen Bacigalupi, soprano, will be heard from KGO, Oakland, Thursday night.

WHB, Kansas City, Mo. (365.6m-820kc), 2-3 p. m., program, Linwood theater, assisting artists and Morrill Moore, organist; 7-8, selections, Milo Finley string trio; girls' banjo orchestra, Alma Nash, director; selected popular solos.

WHO, Des Moines, Iowa (526m-570kc), 6-7 p. m., Bankers Life Little Symphonic orchestra, Leon A. Dashoff, director; 7-7:15, "Uncle Dutch"; 7:15-7:30, program, Bankers Life Little Symphonic orchestra; 7:30-9, Harry Lewis, soloist; Kate Miller, whistler; Maude Hughes, accompanist; artists, Capitol theater; Sam Soodhalter, Ben Jordan, popular harmony numbers; 9-12, dance programs.

WIBO, Chicago, Ill. (226m-1330kc), 2-4 p. m., Shut-in program; Ted Fiorito, pianist; Dan Russo, violinist; Marie Tully, soprano; Wayne Meyers, reader; Connie Corwin, soprano; Russell Duke, singer; 6-8, dinner concert; old-fashioned songs; Walter Preston; WIBO string trio; Dorothy Rae, soprano; Florence Osterman, contralto; Joe North, baritone; Earl Bigelow, pianist; 10-12, popular program; open request night; Prof. Black, cryptologist; Marie Tully, soprano; Hicky and Johnson; William Molnaire, tenor; Erwin Cornelius, uke soloist; Lenore Friedman, soprano; Pearl Holzman, pianist; Irene Beasley, the Jordans.

WJAD, Waco, Texas (352.7m-850kc), 8:30-9:30 p. m., program, Methodist Home entertainers.

WJJD, Mooseheart, Ill. (370.2m-810kc), 12-1 p. m., Palmer House symphonic players; Palmer House trio; 2-3, organ hour, Howard L. Peterson; 4-5, music, Mooseheart children; assembly of 1250 children; 5:30-7, instrumental hour; Palmer House symphonic players; Howard L. Peterson, organist; Jack Nelson; Palmer House Victorians; 8-9, children's hour; 10-11, feature hour; Palmer House Victorians; R. V. Thomas, John Rankel, John Norton; 12:30, Settin' up hour; Palmer House Victorians, Jack Nelson.

WKAF, Milwaukee, Wis. (261m-1150kc), 10-11 p. m., Campus Skylarks; Harry Steffel, banjo-soloist.

WKRC, Cincinnati, Ohio (422.3m-710kc), 6 p. m., dinner program, Alvin Roehr and his Hotel Alms orchestra; 8, book review; Oliver Plunkett, tenor; xylophonist; 9, Everfresh hour; concert orchestra, R. Visconti, director; 9:30, Ben Alley, tenor; 12, Wesley Helvey and his LaVista Clubhouse orchestra.

WLIB, Chicago, Ill. (302.8m-990kc), 7-8 p. m., musical program; 11-1 a. m., dance music, songs, Correll and Gosden; Hawaiian guitar music, Langdon brothers.

WLS, Chicago, Ill. (344.6m-870kc), 12 noon, R. F. D. noon program; Ford and Glenn; 6 p. m., R. F. D. school program; Ford and Glenn; 6:40, Ralph Emerson's organ recital; 7, Ford and Glenn's lullaby time; 7:20, WLS studio presentation, "Songs of the American Negro"; 7:50, Rhodeheaver program; 8:20, University of Chicago, campus program; 8:35, Ford and Glenn, "Shamrocks and Blarney"; 9:05, Central Trust company chorus; 10, Tony Corcoran, baritone; 10:20, Triangle entertainers; 11, WLS circus, George Goforth's Gold band; Ruth Etting; Ford and Glenn.

WMAQ, Chicago, Ill. (447.5m-670kc), 1 p. m., Chicago Association of Commerce luncheon; 2, shut-in program; 4:30, pupils of Cosmopolitan school of music; 5:15, Georgene Faulkner, story lady; 6, Chicago theater organ recital; 6:30, Hotel LaSalle orchestra; 8:30, Townsend sisters; 9, WMAQ players; 9:55, University of Chicago chimes.

WMAZ, Macon, Ga. (261m-1150kc), 11-12 p. m., fraternity musicale, Sigma Nu.

WMBB, Chicago, Ill. (250m-1200kc), 7-8 p.m., Trianon duo; Veronica Krebs, contralto; Eleanor Kaplan, violinist Hernes Brothers; 9-11, Trianon orchestra; Woodlawn theater orchestra; Billie Allen Hoff; Cecil and Esther Ward; Bob Bennett.

WNAD, Norman, Okla. (254m-1180kc), 8:10 p. m., Louis Mosley, pianist; Hettie Maloy, vocalist; Minnie Harris, violinist; Mabel Thompson, vocalist; Fletcher Ward, violinist; Elizabeth Campbell, pianist; 8:30, Leo Garner, pianist; 9, WNAD miniature symphony; 10, Collegians; 11, Sooners.

WOAN, Lawrenceburg, Tenn. (282.8m-1060kc), 9-10 p. m., quartet, orchestra.

WOAW, Omaha, Nebr (526m-570kc), 12:45 p. m., Phyllis Griswold, organist; 4:10, Feierman and Abbott.

WOC, Davenport, Iowa (483.6m-620kc), 4-4:45 p. m., Amphion quartet; A. E. Edwards, baritone; Ann Bradfield, reader; 9-9:30, Erwin Swindell, organist; 9:30-10:30, program, Augustana college.

WORD, Batavia, Ill. (275m-1090kc), 7-7:45 p. m., program, the North Shore Line; 7:45, reading, "The Harp of God;" 9, Webster hotel trio, I. B. S. A. choral singers; 11-12, musical program.

WOI, Ames, Iowa (270m-1110kc), 12:30 p. m., chimes.

WOK, Chicago, Ill. (217.3m-1380kc), 4:30-7 p. m., Capitol theater organ; Lillian Knowles, contralto; 10-1:30 a. m., Tearney's town club orchestra; Carl Lorraine's Pershing Palace orchestra; Husk O'Hare's Cocoanut Grove orchestra; Capitol theater program; program.

WOS, Jefferson City, Mo. (440.9m-680kc), 8:15 p. m., program, State Bureau of Labor, Roy E. Hinkle, commissioner; Nell Harrawood, readings.

WQJ, Chicago, Ill. (447.5m-670kc), 3-4 p. m., Lavina Price, pianist; 7-8, dinner concert, Ralph Williams and his Rainbo Gardens orchestra; Herman J. Techentine and his artists; 10-1 a. m., Ralph Williams and his Rainbo Skylarks; Laurie, Eddie, Bernie, melodians; Clarence Theders, tenor; Joe Warner, character songs; George Thurn, kazoo and uke; The Oxford Girls, Juanita Sank and Loretta Clusman, harmony singers; J. Edwin Peterson, basso; 1-2 a. m., Ralph Williams, the Ginger Man, Little Skylarks.

WSAI, Cincinnati, Ohio (325.9m-920kc), 7 p. m., chime concert, Robert Badgley; 7:30, Davis saxophone octet, WEAF; 8, Ipana Troubadours, WEAF; 10:15, Congress playing card string quartet.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., Atlanta and West Point Route band.

WSM, Nashville, Tenn. (282.8m-1060kc), 6:30 p. m., Francis Craig's orchestra; 7, WSM bedtime story interlude; 8, Mrs. Louis Sperry, soprano; 10, Roger Williams' University senior quartet.

WSMB, New Orleans, La. (319m-940kc), 9:30-11:30 p. m., Roy Aultman and his Dixieland orchestra; Cotton Pickin' twins.

WSUI, Iowa City, Iowa (483.6m-620kc), 9 a. m., high school assembly program; 12:30 p. m., Helen Schutzbank, violinist.

Mountain Time Stations

KOA, Denver, Colo. (322.4m-930kc), 12:15 p. m., Rialto theater musicale; 6:30, Brown Palace string orchestra; 8, Scheuerman's Colorado orchestra; 8:15, Mirado concert trio; Ada Marie Castor, soprano; Jane Ballantyne, contralto; KOA orchestra; 10-12, Broadmoor Rhythm Rustlers.

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 5:30-6 p. m., Norman Harvey and his orchestra; 6, Nightly doings; 6:15, KFI's Seeing California; 6:30, vest pocket program; 6:45, Radiotorial period; 7-7:30, program, A. H. Grebe and company, Synchrophase trio; 7:30, Nick Harris, detective stories; 8-9, program, Ventura Refining company; Ventura string quartet; 9-10, program, Chevrolet Motor company of California; Chevrolet ensemble; 10-11, Patrick-Marsh dance orchestra, Betty Patrick, soloist.

KFOA, Seattle, Wash. (454.3m-660kc), 7-8:15 p. m., Hopper Kelly company studio program; 8:30-10, program.

KFON, Long Beach, Calif. (232.4m-1290kc), 6-6:30 p. m., Brayton's theater organ; 6:30-7, amusement information; 7-8, Investors' musical hour; 8-9, Press-Telegram program; 9-10, program, Sam Abrams, the tailor; 10-11 KFON artists' frolic.

KFWA, Ogden, Utah (261m-1150kc), 4-5 p. m., organ recital, Paramount theater; 5-6, Ogden Radio dealers' program; 9-10:30, music, Paramount theater; 10:30-12 midnight, dance music, Olie Reeves and his orchestra.

KFWB, Hollywood, Calif. (252m-1190kc), 5-6 p. m., children's hour, Big Brother club of KFWB; 8-9, California serenaders' dance orchestra; Paul Ford, baritone; Esther White, blues singer; 9-10, Bill Hatch and his Oakmont Country club dance orchestra; 10-11, Warner Brothers' frolic, direction Charlie Wellman.

KGO, Oakland, Calif. (361.2m-830kc), 11:30-1 p. m., Pacific States Electric company luncheon concert; 3-4, Edna Linkowski, Russian pianist; George Briscoe, Chester Ginther; Jack Manley, violinist; Frank Clark, pianist; 4-5:30, concert orchestra, Hotel St. Francis; 6-6:55, Knickerbocker trio.

KGW, Portland, Ore. (491.5m-610kc), 12:30-1:30 p. m., concert; 6-7, dinner concert; 8-9, concert, Seventh United States Infantry band; 9-10, concert; 10-11, concert.

KHJ, Los Angeles, Calif. (405.2m-740kc), 6-6:30 p. m., Arcade cafeteria orchestra, Jack Cronshaw, leader; 6:30-7:30, history story, Prof. Hertzog; Dick Winslow, juvenile reporter; Mickey McBan, Vivian Marple; 8, Dr. Mars Baumgardt, scientific lecturer; 8:30-10:30, program, Architects and Engineers association.

KLX, Oakland, Calif. (508.2m-590kc), 5-5:30 p. m., Aunt Elsie's sunset matinee; 6:30-7, Athens Athletic club orchestra; 7-7:30, news; 8-9, educational program; Roy Harrison Danforth, Ad Schuster, Harry Noyes Pratt, Nadine Shephard, Prof. E. R. de Ong and others; 9-10, program.

KMTR, Hollywood, Calif. (238m-1260kc), 8-10 p. m., the Turner orchestra in request selections, Edmund Foerstel, guest conductor; Dan Gridley, tenor; 10-11, Starr Piano company studio.

KNX, Hollywood, Calif. (336.9m-890kc), 5-5:30 p. m., Sunny Jim's talk; 5:30, First Presbyterian church organ; 5:55, Town Tattler; 6:15, travel talk; W. F. Alder; 6:30-7, Atwater-Kent concert orchestra; 7-8 p. m., studio program; 8-9, program, Security Trust and Savings bank with talk by Sarah Ellen Barnes on the Philharmonic; 9-10, program, John A. Vaughn corporation; 10-12, Ruth Roland and G. Allison Phelps frolic.

KPO, San Francisco, Calif. (428.3m-700kc), 7-7:30 a. m., daily dozen; 10:30, "Ye Town Cryer"; 12 m., Scripture reading; 1-2, Rudy Seiger's Fairmont hotel orchestra; 2:39-3:30, matinee program; 5:15-6:15, children's hour; 6:30, "Ye Town Cryer;" 6:40-7, Waldemar Lind and the States Restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel orchestra; 8-9, program, Atwater Kent artists, Ernest Ingold, director, orchestral numbers and vocal solos; 9-10, program, Goodrich Silvertown Cord orchestra, Reg Code, director; 10-11, Waldemar Lind and the States Restaurant orchestra.

KTAB, Oakland, Calif. (240m-1250kc), 12-1 p. m., luncheon concert.

KWSC, Pullman, Wash. (348.6m-860kc), 7:30-9 p. m., Treadwell's dance orchestra; Rich Whitman, violinist; Dorothea Allen, reader.

Thursday, February 18

Headliners Today

Eastern	Central	Mountain	Pacific
5 p. m.	4 p. m.	3 p. m.	2 p. m.

WTIC (475.9m-630kc) Olga Samaroff.
8:10 7:10 6:10 5:10
WRVA (256m-1170kc) College night, pep songs.
8:30 7:30 6:30 5:30
WEAO (293.9m-1020kc) Columbus quartet.
WHAS (399.8m-750kc) Keith Mannard and Kentucky Ramblers.
WOC (483.6m-620kc) Ploy Boys quartet.
WSM (282.8m-1060kc) College Anniversary program.
10 9 8 7
KPRC (296.9m-1010kc) Operatic excerpts.
KTHS (374.8m-800kc) Folk songs.
10:15 9:15 8:15 7:15
WJZ (454.3m-660kc), WRC (468.5m-640kc) Record boys.
10:30 9:30 8:30 7:30
WRVA (256m-1170kc) Negro chorus.
11 10 9 8
WJAZ (322.4m-930kc) Male chorus, 70 voices.
12 11 10 9
KGO (361.2m-830kc) 159th Infantry band.

Thursday, silent night for: CHIC, CKNC, CNRA, CNRE, CNRO, CNRR, CNRT, CNRV, CNRW, KFAB, KFAU, KFDM, KFEQ, KFMX, KFOA, KFUO, KFVE, KFWA, KGW, KLX, KOA, KOAC, KOB, KWSC, PWX, WABQ, WAFD, WAHG, WCAP, WCEE, WDOD, WEAO, WEBJ, WEBW, WHAD, WHAZ, WJJD, WOAI, WOR, WSM, WSUI, WTAM.

Eastern Time Stations

CKAC, Montreal, Can. (410.7m-730kc), 4:45 p. m., musical tea; 7:30, Canadian National railways.

CKY, Winnipeg, Can. (384.4m-780kc), 10 p. m., dance program, Venetian Gardens, Cliff Menzies and his Collegians.

PIONEER PROGRAM THROUGH KOA

Thursday, February 18

CNRM, Montreal, Can. (410.7m-730kc), 8:30 p. m., Hart House string quartet.

KDKA, Pittsburgh, Pa. (309.1m-970kc), 7:15-8 a. m., exercises, O. Shannon; 12:20 p. m., Lenten service, Trinity church; 5:45, Uncle Ed; 6:30, dinner concert, Little symphony orchestra, Victor Saudek, conductor; 8:15, farm program; 8:30, with famous composers,—Edward William Elgar, Little symphony orchestra, Victor Saudek; 9, Little symphony, Victor Saudek, director; Walter Earnest, tenor; 11, concert, Post studio.

WAHG, Richmond Hill, N. Y. (315.6m-950kc), 12:03 p. m., Grebe matinee trio.

WBAL, Baltimore, Md. (246m-1220kc), 6-6:30 p. m., children's program, "Aladdin, the Boy With the Wonderful Lamp," Hazel Knox; 6:30-7:30, dinner program, WBAL dinner orchestra, Robert P. Iula, conductor; 7:30-8, organ program, recital, Peabody Conservatory of Music; Frederick D. Weaver, organist; 8-10, musical program; Mary Mitchell, pianist; Hilda Hopkins Burke, soprano; Adele Schaefer, contralto; William Miller, tenor; Edgar R. Bobson, baritone; Frederick H. Gottlieb, flutist; Hendrick Essers, violinist.

WBBR, New York, N. Y. (273m-1100kc), 8 p. m., Watchtower string quartet; 8:40, Watchtower string quartet.

WBZ, Boston, Mass. (333.1m-900kc), 6:30 p. m., Little symphony orchestra, KDKA; 7, Hotel Kimball dance orchestra, Bob Patterson, director; 8, musical program, Noyes Buick company; Leo Reisman's orchestra; 9, Humbert Tos's program; Philharmonic trio, vocal soloist; 9:30, concert, Prof. Charles A. Wilhelm, violinist; Nina Mae Forde, soprano; Edith Wilkins, violinist; Dorothy Wilkins, pianist; Lillian Walther, cellist; 10:05, Edwin J. McEnelly and his orchestra.

WCAU, Philadelphia, Pa. (278m-1080kc), 6:30 p. m., Billy Hayes and his dance orchestra; 7:30, Snellenburg symphony orchestra; 8, Mitchell Gondlier; 8:15, Elizabeth Papetina, coloratura soprano; Michael Fonticeli, operatic tenor; Virginia Klein, pianist; 8:45, Kandy Kids; 9, Barry O'Moore, Irish tenor; 9:30, Musical Chefs; 9:45, burlesque lesson, Prof. Doolittle; 10, Sesqui Centennial hour; 11, Parodians orchestra; 11:30, Club Cadix revue.

WEAF, New York, N. Y. (491.5m-610kc), 6:45-7-7:20 a. m., health exercises; 7:45-8, prayer service; 11, Einar Hansen, violinist; 11:25, Einar Hansen, violinist; 4 p. m., Thelma Van Norden, pianist; 4:15, Dixie Brand and F. W. Hultquist, songsters; 4:30, Pauline Watson, violinist; 6, dinner music; 7, mid-week hymn sing; 7:30, Smith Brothers; 8, Larkinites; 8:30, Hires Harvesters; 9, Clicquot Club Eskimos; 10, Silvertown Cord orchestra, Joseph Knecht, director; 11-12, Vincent Lopez and his orchestra.

WEAO, Columbus, Ohio (293.3m-1020kc), 1:30 p. m., Robert Coleman, pianist; 8:15, music; 10, Hotel Fort Hayes hour of music.

WEAR, Cleveland, Ohio (389.4m-770kc), 7 p. m., Hotel Statler concert orchestra, Maurice Spitalny, director; 8, Larkinite Four, WEAF; 8:30, program, Workrite Radio artists; 9, Clicquot club, WEAF; 10, Vincent Percy, organist, assisting artists.

WEEI, Boston, Mass. (348.6m-860kc), 6:45 a. m., health exercises; 3 p. m., Lou Klayman and his orchestra; 6, Dok Eisenbourg and His Sinfonians; 7, Big Brother club; 7:40, musicale; 8, Larkinites, WEAF; 8:30, Hire's Harvesters, WEAF; 9, Clicquot club entertainers, WEAF; 10, Silvertown Cord orchestra.

WFI, Philadelphia, Pa. (394.5m-760kc), 1 p. m., Tea Room ensemble; 3, Twentieth Century Club of Lansdowne; 4, Kathleen Mary Quinlan, beauty specialist; 6:30, Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra; 8, Larkinites; 8:30, Hire's Harvesters; 9, Clicquot Club Eskimos; 10, Silvertown Cord orchestra.

WGBS, New York, N. Y. (315.6m-950kc), 1:30 p. m., Ramblers' trio; 3, women in the home hour; 7:45, Crystal Palace orchestra; 9, Helvetia Mannechor quartet; 9:30, Litta Grimm, contralto.

WGCP, New York, N. Y. (252m-1190kc), 3 p. m., Elvira Rosa Geigler, pianist; 3:20, Osborne Tucker; 4:15, Twentieth Century entertainers; 5:10, Sylvia Schatz, pianist; 10:30, Irving Ferstenberg, pianist; 10:45, Judith Roth, soprano; 11:30, Strickland's orchestra.

WGR, Buffalo, N. Y. (319m-940kc), 2:30 p. m., WGR's afternoon program; 6:30, Vincent Lopez' Hotel Statler dance orchestra, Harold Gieser, director; 8, jointly with WEAF, the Larkinites, Clicquot Club Eskimos, Goodrich Silvertown Cord orchestra, direction of Joseph Knecht.

WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., dinner program, Ten Eyck concert trio; 7:30, book chat, L. L. Hopkins; 7:45, Syracuse University program; 9, Royal hour, WJZ; 10, Elizabeth Joyce, soprano; Anthony Reese, baritone; 11:30, organ recital, Stephen E. Bolsclair.

WHAR, Atlantic City, N. J. (275m-1090kc), 2 p. m., Seaside hotel trio; 7:30, lecture period; 8, Seaside hotel trio; 9, studio concert; 11:30, dance orchestra.

WHN, New York, N. Y. (361.2m-830kc), 12:30-1 p. m., Lexington organ recital; 3:15-4:30, Lexington orchestra; 6, Treasureland Neighbors; 6:30, Charles King and his Fifty-fourth street club orchestra; 7, Vincent Lopez Iceland orchestra; 7:30, musicale; 8, Will Oakland's Chateau Shanley; 10:30, Club Kentucky entertainers; 11, Joe Ward's Swanee entertainers; 11:30, Everglade orchestra; 12, Parody club orchestra.

WJAR, Providence, R. I. (305.9m-980kc), 8 p. m., Hudson-Essex orchestra; 9, Clicquot Club Eskimos; 10, Goodrich Silvertown Cord orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 1 p. m., Gimbel tea room orchestra; 3, recital, Students Combs Conservatory of Music; 6:05, Pagoda cafe orchestra; 7, Uncle Wip's bedtime stories; 8, "The Sesqui-Centennial," Hon. Harry A. Mackey; 8:15, Arline Smith, soprano; Margaret Souder, contralto; Theodore H. Morris, tenor; Aubrey Cummings, baritone; Henry Meyer, accompanist; 9:15, Esther Louise Binker, contralto; Tom Burke, Irish tenor; 10:05, real estate talk; 10:15, Al and his Versatile entertainers.

WKAQ, San Juan, P. R. (340.7m-880kc), 6-8 p. m., Rialto theater musicale.

WLIT, Philadelphia, Pa. (394.5m-760kc), 12:02 p. m., daily almanac; Stanley theater organ recital; Arcadia cafe concert orchestra; 2, Arcadia cafe concert orchestra; 4:30, Harry Connelly, baritone; Anna E. Speck, soprano, and Alice Wightman, accompanist; 7:30, Dream Daddy's bedtime stories.

WMAK, Buffalo, N. Y. (266m-1130kc), 6:15-7:15 p. m., dinner music, Hotel Lafayette trio.

WRC, Washington, D. C. (468.5m-640kc), 12 noon, organ; 1 p. m., Hotel Mayflower orchestra; 7, New Willard hotel orchestra; 8, U. S. Army band; 8:50, Radio-Movie presentation; 9, Royal Salon orchestra, WJZ, WGY, WCAD; 10:15, "The Record Boys," WJZ; 10:30, Meyer Davis Swanee orchestra; 11:30, Otto F. Beck, organist.

WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., dinner concert, Speed Wagon Serenaders; Gold Standard ensemble; 8:15, varied musical program, Reo Broadcasting orchestra, Carl Hall Dewey, director; Thomas E. Metzger, flutist; Walter Sayo, clarinetist; Radiator male quartet; vocal and instrumental solos.

WRVA, Richmond, Va. (256m-1170kc), 8:10 p. m., Randolph-Macon college night; 10:30, Negro chorus.

WTAG, Worcester, Mass. (268m-1120kc), 12:05-2 p. m., WTAG orchestra; 8-8:30, Larkinites; 9-10, Clicquot Club Eskimos; 10, Silvertown Cord orchestra.

WWJ, Detroit, Mich. (352.7m-850kc), 9:30 a. m., "Tonight's Dinner"; 12:05, Jules Klein's Hotel Statler orchestra; 3, Detroit News orchestra; 6, dinner concert; 8, concert, WEAF.

Central Time Stations

KFEQ, Oak, Nebr. (267.7m-1120kc), 2-3 p. m., Haddam Hans.

KFKU, Lawrence, Kan. (275m-1040kc), 7:15 p. m., Alice Fearing, soprano; Virginia Arnold, pianist; 8, Esther Ott, soprano.

KFKX, Hastings, Nebr. (288.3m-1040kc), 5:30 p. m., dinner concert, KDKA.

KFMQ, Fayetteville, Ark. (299.8m-1000kc), 8:45 p. m., Lorraine Allen, Queen of the Ivories.

KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., concert, Bartlett H. S.

KFRU, Columbia, Mo. (499.7m-600kc), 8:45 a. m., public school convocation; music, students of Stephen's College Conservatory of Music; 4:30 p. m., Bella Vista quadrangle orchestra; 6:15, dinner music; 6:45, children's hour; 7, playlet, dramatic club.

KLDS, Independence, Mo. (441m-680kc), 8:15 p. m., orchestra.

KMA, Shenandoah, Iowa (252m-1190kc), 11:30-12:30 p. m., Farnham trio; 6-7, Iowa Federation of Women's Clubs; 9-11, Delmonico Dreamers.

KPRC, Houston, Texas (296.9m-1010kc), 12 m., optimists' club luncheon, Jerry Mitchell, president; 5:30, Judd's kiddies' hour; 7:30, Blanchard's dance orchestra; 8:30, Silverstring players; Mrs. Clarence L. Brock, director; 9, Mr. and Mrs. H. T. Huffmaster, artist baritone and dramatic soprano.

KSD, St. Louis, Mo. (545.1m-550kc), 6:55 p. m., WEAF chain; 7:30, Esmeralda Berry Mayes, pianist; 8, WEAF chain.

KSO, Clarinda, Iowa (242m-1240kc), 7-7:30 p. m., music; 7:30-9:30, band concert, A. Mitchell.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9-9:30 p. m., folk songs, Eastman hotel eight, Jack Lube, director; 9:30-9:40, organ selections; 9:40-10, New Arlington hotel orchestra, Lon Chassy, director; 10-11, Kiwanis club.

KWWG, Brownsville, Texas (278m-1080kc), 6 p. m., violin solos; 8:30, classical program.

KYW, Chicago, Ill. (535.4m-560kc), 1-2 p. m., Congress hotel orchestra; 2:30-4, frolic; 6-7, dinner music, KDKA; 8:20-9, music; 9, an hour of music; 10-11:30, evening at home; 1, Insomnia club.

WAMD, Minneapolis, Minn. (244m-1230kc), 12 m., popular program, Ray Covert, tenor; Norvy Mulligan, pianist; Roy Nowack, banjoist; Jack Leeman, clarinetist; Katherine Grill, contralto; 6:15, dinner concert, George Osborn and his orchestra; 11, Skyrocket frolic, George Osborn and his orchestra.

WBAP, Ft. Worth, Texas (475.9m-630kc), 7:30 p. m., mixed program; 9:30, vocal and piano selections, Pantages theater.

WBBM, Chicago, Ill. (226m-1330kc), 4-6 p. m., Sandy and Harry; Valentino Inn orchestra; William Dalton, baritone; Irene Beasley; Sidney Nireman; Russell Meyers; Jack Pennewell and Freddy Palmiter; 8-10, Ziegler sisters; Moulin Rouge orchestra; Two Jays; Charlie Garland; Brewers' Zig Zag trio; Maurice Silverman; Pauline Stiffler Atlass, violinist; Floyd Falch; 10-12, Harry and Sandy; Moulin Rouge orchestra; Harry Brailsford, mandolin; Pearl Jarrett, pianologues; Fred Jacobson; Dolly Sterling, stars from Moulin Rouge cafe.

WCAL, Northfield, Minn. (336.9m-890kc), 9 p. m., program, Norwegian Lutheran church, Rev. N. M. Ylvisaker; Comfort Hinderlie, pianist; Ella Hjertaas, contralto.

WCBD, Zion, Ill. (344.6m-870kc), 8 p. m., Hire trio; Mixed quartet; brass quartet; Carl Newcomer, saxophone; George Beem, marimba solos; P. B. and Carl Newcomer, cornet and saxophone; Mrs. Isabelle Nelson, soprano; Mrs. Nelson and Mrs. Harwood, vocal duets; Mrs. Thomas and Mr. Barton, vocal duets; Lillian Detienne, reading.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 12 m., Donaldson's orchestra; 7, Larkinites, WEAF; 7:30, program; 8, Clicquot Eskimos; Silvertown Cord orchestra; 10:20, Arnold Frank's St. Paul hotel orchestra.

WDAF, Kansas City, Mo. (365.6m-820kc), 3:30-4:30 p. m., Star's string orchestra; 6-7, Trianon ensemble; 11:45-1, Ted Weem's Recording orchestra; Ted Meyn, organist; Pantages theater; Billy Adair's orchestra.

WEBH, Chicago, Ill. (370.2m-810kc), 7 p. m., Oriole orchestra; 8, special recital; 9, Oriole orchestra; 9:45, Belle Forbes Cutter, soprano; Ruth Buhl Flick, reader; 11, Oriole orchestra; 12:30, Belle Forbes Cutter, soprano; Ruth Buhl Flick, reader; Rita McFawn, Mary Bieber.

WENR, Chicago, Ill. (266m-1130kc), 6-7 p. m., dinner concert; Rauland-Lyric trio; vocal selections; instrumental solos; 8-10, popular program; All-American Pioneers; Mid-West quartet; Rosa Kutta, soprano; Ray Hibbler, popular songs; Frank Westphal.

WFAA, Dallas, Texas (475.9m-630kc), 12:30-1 p. m., Johnye Davis, pianist; 4:30-5, Edgar Norris, pianist and singer; 6:30-7:30, Baker hotel orchestra; 8:30-9:30, Virginia Wiley, pianist; Jack Andrews, marimbaphonist; 11-12, Martha Morna Whitaker, pianist.

WGES, Oak Park, Ill. (250m-1200kc), 5-7 p. m., pipe organ; classical program; 8-9, orchestra; pipe organ; 11-1 a. m., mezzo-soprano; violin; orchestra; Evans Lloyd, composer; Tiffin organ; pianist.

WGN, Chicago, Ill. (302.8m-990kc), 10-10:15 a. m., good health period; 10:15-10:45, entertainment for shut-ins; 11-11:30, morning organ concert, Chicago theater, Dean Fossler; 12:01-12:30 p. m., noon hour entertainment for children; 12:40-2:30, luncheon concert music; 2:30-3, Lyon & Healy artist recital; 3:25, Port o'Missing Men; 3:30-4:15, tea time music; 4:30-5, organ recital, Edward Benedict; 5:30-5:57, Skeezix time; 6:30-6:45, dinner concert music; 6:45-7, old-time favorite songs; 8-9, Clicquot Club Eskimos; 9-10, Silvertown Cord orchestra; 10-10:10, "Sam 'n Henry," Radio comic strip; 10:10-10:15, old-time favorite songs; 10:15-11, dance music; songs, Correll and Gosden, Freela Leonard and Jewell Barnett.

WHAD, Milwaukee, Wis. (275m-1090kc), 11 a. m., pianologue, Andy Merrel; 1 p. m., Mrs. Ferne Medley Hanson, vocalist; L. E. Clayton, baritone; 6:15-7, Bill Benning's Milwaukee Athletic club orchestra.

WHAS, Louisville, Ky. (399.8m-750kc), 1-2 p. m., concert, Benson trio; 3:30, Mrs. Myrtle Fulks Zahn, Jr., organist; 4-5, concert, Harry S. Currie's music box; readings; 7:30-9, concert, Keith Kannard and his Kentucky Ramblers; Keith Kannard, saxophone, clarinet, trumpet, director; Marty Mennen, saxophone, clarinet; Gus French, banjo; Bill Lippy, pianist; Bim Wilder, drummer; Francis Wathen, saxophone, clarinet; Warren Lane, trombone; J. J. Humble, sousaphone.

WHB, Kansas City, Mo. (365.6m-820kc), 7-7:30 p. m., organ concert, Linwood theater, Morrill Moore, organist; 7:30-7:15, aeronautical question box; 8-9, accordion solos, Clem Cupka; vocal solos, C. Arthur Rugg, baritone; Zelma Waite, accompanist; Hawaiian music, Honolulu Strummers; 9-10, program, ukulele Songsters, Harry Taylor and Sam Martin, assisted by Mrs. Harry Taylor.

WHO, Des Moines, Iowa (526m-570kc), 7:30-8 p. m., Raleigh quintet; 8-9, Bankers Life trio, Helen Birmingham, director; 11-12, Bankers Life "Corn Sugar" orchestra.

WIBO, Chicago, Ill. (226m-1330kc), 2-4 p. m., Shut-in program; Ted Fiorito, pianist; Dan Russo, violinist; Marie Tully, soprano; Wayne Meyers, reader; Hicky and Johnson, guitarists; Dorothy Davie Dillow, soprano; 6-8, dinner concert; songs made famous by John McCormack, Walter Preston; Helen Snyder, soprano; Harriet Hebert, contralto; William Molnaire, tenor; string trio; Chester Newman, baritone; Swedish program; 12, jamboree; Ted Fiorito, pianist; Dan Russo, violinist; Marie Tully, soprano; Wayne Meyers, reader; Henry Davis; Erwin Cornelius, uke soloist; Jack Goodman.

WJJD, Mooseheart, Ill. (370.2m-810kc), 12-1 p. m., Palmer House symphonic players; Palmer House trio; 2-3, organ hour, Howard L. Peterson; 4-5, child artists; assembly of 1250 children; 5:30-7, instrumental hour; Palmer House symphonic players; Howard L. Peterson, organist; Jack Nelson; Palmer House Victorians; 8-9, children's hour; 10-11, feature hour; Palmer House Victorians; Ruth Allanson; 12:30, Settin' up hour; Palmer House Victorians; Jack Nelson.

WJAZ, Chicago, Ill. (322.4m-930kc), 10 p. m., chimes; Swift & Co. male chorus; E. Arthur Schlamp, baritone; Swift & Co. male chorus; Adalbert Huguelet, pianist; Swift & Co., male chorus; 11, chimes; Aldo del Mesier, violinist; Doris Irene Berry, contralto; Ethel Garbutt Dodge, contralto; Aldo del Mesier, violinist; Doris Irene Berry, contralto; Ethel Garbutt Dodge, contralto; Aldo del Mesier, violinist; 12, midnight chimes.

WKAF, Milwaukee, Wis. (261m-1150kc), 8:30 p. m., Trixie Ann Troy and her Royal Hawaiians; Ted Osmundsen, baritone.

WKRC, Cincinnati, Ohio (422.3m-710kc), 10 p. m., Marion McKay and his orchestra; 11, popular song review; Bert Lindsey, Merrill Schwartz, Kern Alyward, Abe Farb; 11:15, Marion McKay and his orchestra.

WLIB, Chicago, Ill. (302.8m-990kc), 7-7:30 p. m., musical program; 7:30-8, Hire's Harvesters; 11-1 a. m., dance music; songs, Correll and Gosden, Hawaiian guitar music, Langdon Brothers.

WLS, Chicago, Ill. (344.6m-870kc), 12 noon, R. F. D. noon program; WLS trio; 6 p. m., R. F. D. school program; WLS trio; 6:40, Ralph Emerson's organ recital; 7, Ford and Glen, lullaby time; 7:20, WLS studio trio concert; Ford Rush, baritone; Glenn Rowell, accompanist.

WLWL, New York, N. Y. (288.3m-1040kc), 9:15 p. m., musicale; 10:35, musicale.

WMAQ, Chicago, Ill. (447.5m-670kc), 2 p. m., shut-in program; 4:45, pupils of Maclean college; 5:15, Topsy-Turvy time; 6, Chicago theater organ recital; 6:30, Hotel LaSalle orchestra; 8, program, Grant Hadley; 8:40, Vincenzo Gullotta, violinist; 9:20, Chicago Heights woman's club chorus; 9:55, University of Chicago chimes.

WMAZ, Macon, Ga. (261m-1150kc), 10-11 p. m., Wesleyan Conservatory of Music.

WMBB, Chicago, Ill. (250m-1200kc), 7-8 p. m., Hebrew music; 9-11, Woodlawn theater orchestra; Trianon orchestra; Martin and Baker; Lucile O'Hara, soprano; Tommie Hughes, baritone; Billie Lightfeldt, tenor.

WMBF, Miami Beach, Fla. (384.4m-780kc), 7-9 p. m., Fleetwood Radio orchestra; 10-1 a. m., Gene Fosdick and his orchestra; Fleetwood Radio orchestra.

WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Hotel Alpin string ensemble; 6:30, Club Caprice orchestra; 11, Ernie Golden and his Hotel McAlpin orchestra.

WNAD, Norman, Okla., 8:10 p. m., Ernest Sharpe, vocalist; Helen Rubin, violinist; 10:30, O. U. Troubadours.

WOAN, Lawrenceburg, Tenn. (282.8m-1060kc), 9-10 p. m. gospel songs.

WOAW, Omaha, Nebr. (526m-570kc), 12:45 p. m., Gilbert Jaffy and his Little Symphony; 6, entertainment; 6:20, Manna Kea trio; 6:50, Randall's Royal Fontenelle orchestra; 9, classical; 10:30, Herb Feierman and his Omadala orchestra; 12, Night Watchmen jubilee.

WOC, Davenport, Iowa (483.6m-620kc), 7:30-8 p. m., Plow Boys' quartet; 8-9, Clicquot Club Eskimos, WEAF; 9-10, Goodrich Silvertown Cord orchestra; 11-12, LeClaire hotel orchestra; Peter MacArthur, baritone.

WOI, Ames, Ia. (270m-1110kc), 12:30 p. m., chimes; 7:30, music.

WOK, Chicago, Ill. (217.3m-1380kc), 4:30-7 p. m., Capitol theater organ; program; 10-1:30 a. m., Tearney's Town Club orchestra; Carl Lorraine's Pershing Palace orchestra; Husk O'Hare's Cocoanut Grove orchestra; Capitol theater program; program.

WNYC, New York, N. Y. (526m-570kc), 7:10 p. m., dance orchestra; 7:35, dance orchestra; 9, instrumental novelty; 9:30, male quartet.

WOO, Philadelphia, Pa. (508.2m-590kc), 11 a. m., organ recital; 12:02 p. m., Golden's crystal tea room orchestra; 4:45, organ recital; 7:30, A. Candelori's concert orchestra.

WOQ, Kansas City, Mo. (278m-1080kc), 7-8 p. m., Unity educational program; 8-9, concert.

WOR, Newark, N. J. (405.2m-740kc), 6:19 p. m., Jacque Jacobs Shelton ensemble.

WORD, Batavia, Ill. (275m-1090kc), 8 p. m., Webster hotel concert trio; 8:15, international Sunday school lesson, M. E. Woodley; 8:30, program, Cosmopolitan school of music; 9:30-10, world news digest.

WQJ, Chicago, Ill. (447.5m-670kc), 3-4 p. m., lessons in golf; 7-8, dinner concert, Ralph Williams and his Rainbo Gardens orchestra; Clement Laskowski, tenor; Boston store concert trio, violin, cello and piano; 10-1, Ralph Williams and his Rainbo Skylarks; Otis Pike Jester, soprano; Mary Thrash House, accompanist; Lena Auer Kick, soprano; Jerry Sullivan, singing, "Whadd-a-ya-say?"; Hal Vanderbosch, soprano and pianist; Lew Butler; Sidney Lachman, tenor; Bert Davis, clown; Marie Pollitt; 1-2 a. m., Ralph Williams, Ginger Man; Little Skylarks.

WSAI, Cincinnati, Ohio (325.9m-920kc), 7 p. m., program; 7:30, Hires Harvesters, WEAF; 8, Clicquot club program; 9, Silvertown Cord orchestra.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., Alfred Hollins, organist; 10:45, Dr. Charles A. Sheldon, Jr., organist.

WSM, Nashville, Tenn. (282.8m-1060kc), 7:30 p. m., George Peabody college special anniversary program.

WSMB, New Orleans, La. (319m-940kc), 9:30-12 p. m., Owls' orchestra, Radio Revelers' orchestra; Liberty theater orchestra.

WSUI, Iowa City, Iowa (483.6m-620kc), 12:30 p. m., Mrs. Preston C. Coast, organist.

WTAM, Cleveland, Ohio (389.4m-760kc), 6-7 p. m., Hotel Hollenden orchestra.

WTIC, Hartford, Conn. (475.9m-630kc), 6:30 p. m., "Twenty Minutes in Happyland;" 6:50, Hotel Bond trio.

Mountain Time Stations

KFXF, Colorado Springs, Colo. (250m-1200kc), 8:30 p. m., choir, First Baptist church.

KOA, Denver, Colo. (322.4m-930kc), 12:15 p. m., Rialto theater musicale; 6:30, Brown Palace string orchestra.

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 5:30-6 p. m., Bamboo Gardens orchestra; 6, Nightly doings; 6:15, KFI's Seeing California; 6:30, vest pocket program; 6:45, Radiotorial period; 7-8, program, students University of Southern California; 8-9, program, Associated Motor Car Dealers of Los Angeles; 9-10, program, Chickering Hall; 10-11, program arranged by William McDougall.

KFON, Long Beach, Calif. (232.4m-1290kc), 6-6:30 p. m., Brayton's theater organ; 6:30-7, amusement information; 7-7:30, investors' hour; 7:30-8, Long Beach Municipal band, Herbert L. Clark, director; 8, Booklovers' chat; 8:15-9, Long Beach Municipal band; 9-11, studio program.

KFWA, Ogden, Utah (261m-1150kc), 4-5 p. m., organ recital, Paramount theater; 5-6, Ogden Radio dealers' program.

KFWB, Hollywwood, Calif. (252m-1190kc), 8-9 p. m., Hy Kasch and his dance orchestra, Lou Parker, ballad singer; Frances St. George, the jazzmania girl, and Bill Blake, tenor; 9-10, program, Don P. Smith, Inc., Diana-Moon orchestra, Sol Hoopii's Hawaiians; Ashley sisters, vocal duets; 10-11, Warner Brothers' frolic with Chaley Ilch and his Sunset Canyon Country club dance orchestra.

KGO, Oakland, Calif. (361.2m-830kc), 4-5:30 p. m., concert orchestra, Hotel St. Francis; 8-9, William E. Chamberlain, baritone; Helen Bacigalupi, soprano; Mary Acella Chamberlain, violinist; Hugo Carver, tenor; Blair Manchester, tenor; 9-10, 159th Infantry band; 10-1 a. m., Brokaw and his orchestra.

KTAB, Oakland, Calif. (240m-1250kc), 12-1 p. m., luncheon concert; 8-10, studio program.

KGW, Portland, Ore. (491.5m-610kc), 12:30-1:30 p. m., concert; 6-7, dinner concert.

KHJ, Los Angeles, Calif. (405.2m-740kc), 6-6:30 p. m., Leighton's Arcade cafeteria orchestra, Jack Cronshaw, leader; 6:30-7:30, history story, Prof. Hertzog; Dickie Brandon and Baby Jeanne de Bard, screen starlets; Uncle John; 8-10, program, Cochran Brothers with Caswell Coffee orchestra.

KMTR, Hollywood, Calif. (238m-1260kc), 6-7 p. m., Starr Piano company studio; 7:30, auction bridge game, Bertie D. Hilands; 8-10, the Turner orchestra, Loren Powell, director.

KNX, Hollywood, Calif. (336.9m-890kc), 5-5:30 p. m., Sunny Jim's talk; 5:30, First Presbyterian church organ; 5:55, Town Tattler; 6:15, travel talk, W. F. Alder; 6:30-7, Atwater Kent concert orchestra; 7-8, program, H. L. Crockett; Ilya Bronson, concert cellist; May McDonald Hope, pianist, Corrine Redd, soprano; 8-9, Willys-Overland dealers of southern California; 9-10, KNX feature program.

KPO, San Francisco, Calif. (428.3m-700kc), 7-7:30 a. m., daily dozen; 10:30, "Ye Towne Cryer;" 12 m., Scripture reading; 1-2, Rudy Seiger's Fairmont hotel orchestra; 2:30-3:30, matinee program; 3:40-4:30, Cyrus Trobbe's Palace hotel concert orchestra; 5:15-6:15, children's hour; 6:30, "Ye Towne Cryer;" 6:40-7, Waldemar Lind and the States Restaurant orchestra; 7-7:30, Rudy Sieger's Fairmont hotel orchestra; 8-9, program; 9-10, James Todd, violinist; Edna Walbert, mezzo soprano; Amerigo Frediani, tenor; 10-11, Jack Coakley's Cabirians.

Friday, February 19

Headliners Today

Eastern	Central	Mountain	Pacific
8 p. m.	7 p. m.	6 p. m.	5 p. m.
KSD (545.1m-550kc) Hungarian music.			
8:15	7:15	6:15	5:15
WGY (379.5m-790kc) "Take a Chance," comedy.			
8:30	7:30	6:30	5:30
WCAE (461.3m-650kc) Choir.			
9	8	7	6
KDKA (309.1m-970kc) War songs.			
WBZ (333.1m-900kc) Opening of Radio ball.			
WMCA (340.7m-880kc) Hardman hour of music.			
9:20	8:20	7:20	6:20
WOS (440.9m-680kc) Old fiddlin' contest.			
9:30	8:30	7:30	6:30
KFAB (340.7m-880kc) Dwight community orchestra.			
10	9	8	7
KFI (468.5m-640kc) Forty piece high school band.			
WGR (319m-940kc) Two piano recital.			
11	10	9	8
KYW (535.4m-560kc) Paul Ash and his orchestra.			
WLIT (394.5m-760kc) Morning Glory club.			
11:30	10:30	9:30	8:30
KTHS (374.8m-800kc) Special request selections.			
12	11	10	9
KNX (336.9m-890kc) Optimistic Order of Donuts.			

Friday, silent night for: CFAC, CHIC, CKNC, CKY, CNRC, CNRM, CNRO, CNRR, CNRW, KFAU, KFEQ, KFKU, KFMQ, KFWA, KFXF, KGO, KFAU, KLDS, KPRC, KUOM, PWX, WBBR, WCAD, WCBD, WEAO, WEBW, WGBS, WGST, WHAZ, WIP, WJAZ, WKRC, WLW, WLWL, WNAD, WRC, WREO, WRVA, WSAI, WSUI, WSMB, WTAM.

Eastern Time Stations

CKAC, Montreal, Can. (410.7m-730kc), 1:45 p. m., luncheon concert.

KDKA, Pittsburgh, Pa. (309.1m-970kc), 7:15-8 a. m., exercises, O. Shannon; 12:20 p. m., Sunday school lesson, James Mace; 5:45, Auntie Jim's letter from across the sea; 9, Colonial and Civil War songs, Marjory Stewart, director; 10:10, Teaberry time.

WABQ, Haverford, Pa. (261m-1150kc), 11 p. m., Horace Hustler, organist; William Stewart, pianist.

WAHG, Richmond Hill, N. Y. (315.6m-950kc), 12:03 p. m., Sidney Raphael, pianist; 7:30, Prof. R. E. Mayne; 8-8:45, "Great Artist" organ recital, Skinner Organ company, John Priest, soloist; 9-9:15, Frank Gerrold, baritone; 9:20, Shell Beach trio; 10:03, Ulrich and Schmidt; 10:20, Bernie Fletcher's orchestra.

WBAL, Baltimore, Md. (246m-1220kc), 6:30-7:30 p. m., dinner program, WBAL dinner orchestra; 7:30-9, musical scenario; vocal and instrumental soloists; 9-10, musical program, WBAL string trio, John Wilbourn, tenor.

WBZ, Boston, Mass. (333.1m-900kc), 6:30 p. m., Little symphony orchestra, KDKA; 7, Music story hour, Helen S. Leavitt; 8, concert, Edwin McEnelly and his orchestra; 8:30, Hotel Vendome concert, Samuel Seiniger, director; 9, opening of Radio ball; 9:30, "Whatdoyoucallit club;" Copley Plaza orchestra; 9:15, Ray Stewartson and his symphonic jazz band; 11:15, Wittstein's orchestra; 12, Bill Tasilo and his orchestra; 12:30, Edwin J. McEnelly and his orchestra.

WCAU, Philadelphia, Pa. (278m-1080kc), 7:30, recital, M. Snellenburg and company; 8:15, chiropractic talk; 8:30, Singing Groundhog; 8:45, The Bryan Girl; 9, novelty songs; 9:15, Dwight Strickland, "poetician;" 9:30, Sea Gulls; 10, Willie Horowitz, songs and jests; 10:30, Jack Myers' Musical Architects.

WEAF, New York, N. Y. (491.5m-610kc), 6:45-7:20 a. m., health exercises; 7:45-8, prayer service; 4-5, Mrs. William Nolan, soprano; 6-12, dinner music; Edward Morris, pianist; Irva Giles, coloratura soprano; Blanche Elizabeth Wade, story teller; Eagle Neutrodyne trio; Hohner Harmony hour; Shakespearean hour with music; Chamber musicale, Genia Zielinska, soprano; Giuseppe di Benedetto, tenor; Len Bernie and his orchestra.

WEAR, Cleveland, Ohio (389.4m-770kc), 7 p. m., Wormack's singing syncopators; 7:30, children's program, WEAF; 8:15, founders' day, Case school; 9:30, Cities Service program, WEAF; 10, Dutch Master artists.

WEEI, Boston, Mass. (348.6m-860kc), 6:45 a. m., health exercises; 3:15 p. m., popular songs, George Joy and Hell Cantor; 5:20, Frankie Ward and his orchestra; 6:30, Joe Rines and his Hunters' Cabin orchestra; 7, Big Brother club; 7:30, Whiting Milk company program; 8, Sager's half-hour of hospitality; 8:30, Neapolitan Ice Cream company program; 9, Hohner Harmony hour; 9:30, Carter's Incas; 10, Scotty Holmes and his orchestra, Imperial marimba band.

WFI, Philadelphia, Pa. (394.5m-760kc), 1 p. m., Tea Room ensemble; 3, recital; 6:30, Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra.

WGBS, New York, N. Y. (315.6m-950kc), 1:45 p. m., school children's program; 3, Ernest Hahn, violinist; 6:30, Anzell's orchestra.

WGCP, New York, N. Y. (252m-1190kc), 3 p. m., Carmel Weber, pianist; 3:30, Sherman and Neal; 4:15, studio program; 4:45, Ruby Cowan; 5:10, Clarence Profit, pianist; 7, orchestra.

WGR, Buffalo, N. Y. (319m-940kc), 2:30 p. m., WGR's afternoon program; 6:30, Clef trio; 7:30, jointly with WEAF, Blanche Elizabeth Wade, story teller for G. R. Kinney Co.; 9, Winger's Crescent Park entertainers; 9:30, George W. Houck, reader, with Leonard Adams at the piano in Longfellow's "King Robert of Sicily"; 10, two-piano recital, Marion Healy and Grace Jolley; 10:30, Hewitt Humorists; 11, Vincent

PAUL ASH'S MERRY-MAD GANG AT KYW

Friday, February 19

Lopez' Hotel Statler dance orchestra, Harold Gleser, director, John F. Gunderman, Jr., at the organ.

WGY, Schenectady, N. Y. (379.5m-790kc), 2 p. m., Asia Restaurant orchestra; 6:30, International Sunday school lesson; 7, dinner program, Eastman theater; 8:15, comedy, "Take a Chance," WGY players, Ten Eyck Clay; 10:30, WGY orchestra; George Chute, banjoist.

WHAR, Atlantic City, N. J. (275m-1090kc), 2 p. m., Seaside hotel trio; 8, Seaside hotel trio; 11:15, Strand theater organ recital.

WHN, New York, N. Y. (361.2m-830kc), 6 p. m., Littman's dinner music; 7, Harry Richman and his entertainers; 7:30, Lew Brown and Sidney Claire; 10, Roseland dance orchestra; 10:30, Anatol Friedland; 11, Twin Oaks orchestra; 11:30, Bert Dagmar and his 33 club orchestra; 12, Silver Slipper orchestra; 12:30, Bob Murphy's orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:45 a. m., setting-up exercises; 7, setting-up exercises; 1 p. m., Gimbel tea room orchestra; 6:05, Benjamin Franklin concert orchestra; 7, Uncle Wip's bedtime stories; Harry Feingold, 10-year-old violinist.

WJAR, Providence, R. I. (305.9m-980kc), 1:05 p. m., Howard and Harris; 7:45, musicale; 8:30, Gorman's Jolly Bakers; 11, Providence-Biltmore dance orchestra.

WKAQ, San Juan, P. R. (340.7m-880kc), 6-8 p. m., talks, Porto Rican Atheneum.

WLIT, Philadelphia, Pa. (394.5m-760kc), 12:02 p. m., daily almanac; Stanley theater organ recital; Arcadia cafe concert orchestra; 2, Arcadia cafe concert orchestra; 4:30, dance orchestra; 7:30, Dream Daddy's bedtime stories; kiddies' party; 8:30, recital; 10, Morning Glory club concert; Arcadia cafe dance orchestra; 10:30, Rufus and Rastus; 11, Morning Glory club concert.

WMBF, Miami Beach, Fla. (384.4m-780kc), 7-9 p. m., Fleetwood Radio orchestra; Al Wohlman and Dave Bernie.

WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Hotel McAlpin string ensemble; 6:30, Hotel McAlpin orchestra; 7:30, Sach's Musical Monarchs; 8:50, Broadway association; 9, Hardman hour of music; 10, Donald Flamm and Mr. Zero; 11:30, Jack Denny's orchestra.

WNYC, New York, N. Y. (526m-570kc), 6:20 p. m., piano selections; 8, concert; 9, stringed trio; 9:30, novelty entertainers.

WOO, Philadelphia, Pa. (908.2m-590kc), 11 a. m., organ recital; 12:02 p. m., Golden's crystal tea room orchestra; 4:45, organ recital; 7:30, Ritz-Carlton dance orchestra; 9, WOO orchestra; 9:25, Fox theater symphony orchestra; features from Fox theater; 10, organ recital; 10:30, Ritz-Carlton dance orchestra.

WOR, Newark, N. J. (405.2m-740kc), 6:17 p. m., Jacques Jacobs' Hotel Shelton ensemble.

WRC, Washington, D. C. (468.5m-640kc), 12 noon, organ; 1 p. m., Meyer Davis' New Willard hotel orchestra; 3:30, U. S. Marine band orchestra; 5, W. Spencer Tupman's Hotel Mayflower orchestra.

WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., dinner concert; Speed-Wagon serenaders; Gold Standard ensemble.

WRVA, Richmond, Va. (256m-1170kc), 7 p. m., Hotel Richmond orchestra; 8:10, choral club; 9:30, Hotel Richmond Winter Garden orchestra.

WTAG, Worcester, Mass. (268m-1120kc), 12:05-2 p. m., WTAG orchestra; 3-5, WTAG orchestra; 8:15, concert program.

WTAM, Cleveland, Ohio (389.4m-760kc), 6-7 p. m., Austin Wylie's Vocalion Recording orchestra.

WTIC, Hartford, Conn. (475.9m-630kc), 11:25 a. m., Laura Gaudet, pianist; 12:05 p. m., luncheon music, Travelers' club orchestra; 6:30, Hub trio; 8:15, program, A. Y. Cornell and pupils; 9, Salvation Army band, Manchester, Conn.; 11, Le Bal Tabarin orchestra.

WWJ, Detroit, Mich. (352.7m-850kc), 7:30-8 a. m., setting-up exercises; 9:30, "Tonight's Dinner"; 12:05, p. m., Jules Klein's Hotel Statler orchestra; 3, Detroit News orchestra; 6, dinner concert; 8, News orchestra and soloists; 9, WEAF; 9:30, dance program.

Central Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., dinner concert; 8:30-10:30, Dwight Community orchestra.

KFDM, Beaumont, Tex. (315.6m-950kc), 12:30-1 p. m., Refinery band concert; 7-7:30, children's program; 8-10, Refinery band concert.

KFEQ, Oak, Nebr. (267.7m-1120kc), 2-3 p. m., Oak talent; 8:30-10, Hebron College and Academy.

KFKX, Hastings, Nebr. (288.3m-1040kc), 5:30 p. m., dinner concert, KDKA; 9, varied musical program.

KFNF, Shenandoah, Iowa (263m-1140kc), 7:30 p. m., concert, Widney Sisters.

KFRU, Columbia, Mo. (499.7m-600kc), 4:30-5:30 p. m., Bella Vista Quadrangle orchestra; 6:15, dinner music; 12-2 a. m., music, Stephens college musical faculty and Bella Vista quadrangle.

KFVE, University City, Mo. (240m-1250kc), 9:15 p. m., Solan Nealy, organist; Mae Miller, soprano; Mrs. Gertrude Watson, accompanist.

KLDS, Independence, Mo. (441m-680kc), 6:30 a. m., morning devotional program.

KMA, Shenandoah, Iowa (252m-1190kc), 11:30-12:30 p. m., Walter Nixon, popular pianist; 9-11, Maryville program.

KPRC, Houston, Texas (296.9m-1010kc), 12 m., Frank Tilton, totally blind wonder boy pianist.

KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., Hungarian music, Kotana Brothers; 7:30, commerce hour, Dr. Charles Schumacher, tenor.

KSO, Clarinda, Iowa (242m-1240kc), 7-7:30 p. m., music; 7:30-9, B. P. Mayhew entertainers; 9-9:30, Baker and Anderson.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9-9:30 p. m., Meyer Davis' New Arlington ensemble; vocal numbers, Toni Cochard; 9:30-10:30, Phil Baxter and his Jack-o'-Lantern Knight club orchestra; 10:30-11, special requests, Elmer Menard, pianist.

KWWG, Brownsville, Texas (278m-1080kc), 6 p. m., dinner music.

KYW, Chicago, Ill. (535.4m-560kc), 12:05-1 p. m., noonday concert; 1-2, Joska De Babary and his orchestra; 6-7, KDKA symphony; 9, an hour of music; 10-12:30 a. m., Paul Ash and his orchestra; Coon-Sanders' orchestra; 1, Insomnia club.

WAMD, Minneapolis, Minn. (244m-1230kc), 12 m., classical program; 6:15, dinner concert; 7:10, public school hour, T. P. Giddings, supervisor of music, assisted by Ruth Anderson; 8, Reception Five program; 11, Skyrocket frolic, George Osborn and his orchestra.

WBAP, Fort Worth, Tex. (475.9m-630kc), 7:30 p. m., Texas Christian university; 9:30, Arlington Heights high school orchestra; 11, Panther Hawaiian trio.

WBBM, Chicago, Ill. (226m-1330kc), 4-6 p. m., Harry and Sandy; Valentino Inn orchestra; Harold Morava, lyric tenor; William Dalton, baritone; Joe McManus; Ralph Bottof; 8-10, Moulin Rouge orchestra; Two Jays; Brewers' Zig Zag trio; Verdi trio; Dave Handler, violinist; Floyd Falch.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 12 m., Dick Long's Dayton trio; 2:30 p. m., Dick Long's Nankin cafe orchestra; 6:15, Dick Long's Nankin cafe orchestra; 8:15, Husky Gardner's dance band supreme; 10:05, Marigold Garden orchestras.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., Trianon ensemble; 8-9:30, program, Missouri Pacific Boosters' club; 11:45-1 a. m., Ted Weem's Victor Recording orchestra; Eddie Kuhn's orchestra.

WDOD, Chattanooga, Tenn. (256m-1170kc), 6:30-7 p. m., organ music, Tivoli theater; 7-8, Hotel Patten orchestra; 8:15, special features and program; 11, popular request.

WEBH, Chicago, Ill. (370.2m-810kc), 7 p. m., Oriole orchestra; 8, Pauline Sachs, soprano; Eleanor Kaplan, violinist; 9-9:45, WEBH Light Opera company; 11, Oriole orchestra; 12:30, Irene Beasley, Jack Penewell, Fred Palmiter.

WENR, Chicago, Ill. (286m-1130kc), 6-7 p. m., dinner concert; Rauland-Lyric trio; violin and vocal solos; 8:10, popular program; Frank Westphal and his All-American Pioneers; harmony four; George Moran and Bill Alt, Hawaiian guitars; Jack Todd, baritone; 12-2 a. m., frolics; All-American Pioneers; G. W. Voss, basso; James Beaumont, banjo.

WFAA, Dallas, Texas (475.9m-630kc), 12:30-1 p. m., Sunday school lesson, Dr. Horace M. Whaling; 3:30-4, Sears-Roebuck Agricultural Foundation homemakers' program; 4:30-5, piano recital, Gertrude Day; 6:30-7:30, Hauulea School of Hawaiian Music; 8:30-9:30, Mrs. Robert H. Morton, singer; musicians.

WGES, Oak Park, Ill. (250m-1200kc), 5-7 p. m., duo; mezzo-soprano; quartet; organ; 8-9, orchestra; pipe organ; soprano; tenor; pianist; 11-1 a. m., banjo fiends; organ; Coyne orchestra; comedian; "Uke Girl."

WGN, Chicago, Ill. (302.8m-990kc), 10-10:15 a. m., good health period; 10:15-11, entertainment for shutins; 11-11:30, morning organ concert, Chicago theater, Dean Fossler; 12:01-12:30 p. m., noon-hour entertainment for children; 12:40-2:30, luncheon concert music; 2:30-4, Lyon and Healy artists' recital; 3:25, Port o' Missing Men; 3:30-4:15, tea time music; 4:30-5, organ recital, Edward Benedict; 5:30-5:57, Skeezix time for children; 6:30-6:45, dinner concert music; 6:45-7, old-time favorite songs; 8-8:30, Cities Service quartet; 10-10:10, "Sam 'n Henry," Radio comic strip; 10:10-10:15, old-time favorite songs; 10:15-11, dance music; songs, Correll and Gosden, Freda Leonard and Jewell Barnett; Hawaiian guitar music, Langdon brothers.

WHAD, Milwaukee, Wis. (275m-1090kc), 11 a. m., pianologue, Andy Hertel; 4 p. m., Ira Schnell, baritone; 6-7, Arthur Richter, organist; 7, Bill Juhre's Radio cartoon game; 8:30-10, Wisconsin theater revue; 35-piece Wisconsin theater concert orchestra; Dexter's Wisconsin roof orchestra.

WHAS, Louisville, Ky. (399.8m-750kc), 1-2 p. m., concert, Royal Peacock orchestra; 3-3:30, Mrs. Myrtle Fulks Zahn, Jr., organist; 4-5, concert, Harry S. Currie's music box; readings; 7:30-9, concert, glee club, Grace Deppe, director.

WHB, Kansas City, Mo. (365.6m-820kc), 2-3 p. m., Sweeney request string trio; 7-8, selections, Milo Finley string trio; popular songs, Harry Kessel, Lola Cook, pianist; dance music, Sweeney Radio orchestra.

WHO, Des Moines, Iowa (526m-570kc), 7:30-8 p. m., colored ladies' quartet; 8-9, Hapac Grotto band; 11-12, Bankers Life "Corn Sugar" orchestra.

WIBO, Chicago, Ill. (226m-1330kc), 2-4 p. m., Shutin program; 1, Dan Russo, violinist; Ted Fiorito, pianist; Marie Tully, soprano; Wayne Meyers, reader; Connie Corwin, soprano; Irene Beasley; 6-8, dinner concert; Walter Preston, songster; Evelyn Nelson, pianist; string trio; Elsie Orr, soprano; Florence Osterman, contralto; Joe North, baritone; 10-2 a. m., special feature, Walter Preston, director.

WJAD, Waco, Texas (352.7m-850kc), 8:30-10 p. m., program, Temple Chamber of Commerce.

WJJD, Mooseheart, Ill. (370.2m-810kc), 12-1 p. m., Palmer House symphonic players; trio; 2-3, organ hour, Howard L. Peterson; child artists; assembly of 1,250 children; 5:30-7, instrumental hour; Palmer House symphonic players; Jack Nelson; Victorians; 8-9, children's hour; 10-11, feature hour; Senator Harold C. Kessinger; Palmer House Victorians; 12:30 a. m., Knights of the Burning Candle.

WKAF, Milwaukee, Wis. (261m-1150kc), 10-11 p. m., studio program; S. D. A. quartet.

WLIB, Chicago, Ill. (302.8m-990kc), 7-8 p. m., musical program; 11-1 a. m., dance music; songs, Correll and Gosden; Freda Leonard and Jewell Barnett.

WLS, Chicago, Ill. (344.6m-870kc), 12 noon R. F. D. noon program; Ford and Glenn; 6 p. m., R. F. D. school program; Ford and Glenn; 6:40, Ralph Emerson's organ recital; 7, Ford and Glenn, lullaby time; 7:20, WLS studio trio, presenting "Musical Pictures of F. Stantons Poems"; 7:50, Wallace Bruce Amsbary, "Poems of Edgar A. Guest"; 8:05, Westminister quartet; 8:35, Ford and Glenn; 9, Nash brass band; 9:40, Jimmy Westbrook, tenor; 10, Metropolitan choir, Prof. J. Wesley Jones, director; 11, Ralph Emerson, surprise program.

WMAQ, Chicago, Ill. (447.5m-670kc), 2 p. m., program for shut-ins; 4:45, child-life stories; 5:15, Topsy-Turvy time; 6, organ; 6:20, Family Altar league; 6:30, Wide-Awake club.

WMAZ, Macon, Ga. (261m-1150kc), 8-9 p. m., A. L. Glasco's colored choir; 9-10, Lions' club; 10-11, Ethel West, soprano.

WMBB, Chicago, Ill. (250m-1200kc), 7-8 p. m., Trianon duo; Frank Bordner, baritone; Frank Chaplin, tenor; Edith Stonehouse, soprano; old home songs; 9-11, Trianon orchestra; Woodlawn theater orchestra; Nina Smiley, soprano; Eddie Matts, Billie Donovan; Jack Goodwin.

WOAN, Lawrenceburg, Tenn. (282.8m-1060kc), 9-10 p. m., quartet, orchestra.

WOAW, Omaha, Nebr. (526m-570kc), 1 p. m., Randall's Royal Fontenelle orchestra; 6:20, Francis Potter's banjo orchestra, soloists; 6:50, Gilbert Jaffy and his Little Symphony; 9, classical program; 10:15, Frank Hodek and his Nightingale orchestra.

WOC, Davenport, Iowa (483.6m-620kc), 8-9 p. m., Rathjen's orchestra.

WOK, Chicago, Ill. (217.3m-1380kc), 4:30-7 p. m., Capitol theater organ; Pat Hoster, tenor; 10-1:30 a. m., Tearney's town club orchestra; Carl Lorraine's Pershing Palace orchestra; Husk O'Hare's Cocoanut Grove orchestra; Capitol theater program; program.

WORD, Batavia, Ill. (275m-1090kc), 7 p. m., program, North Shore line; 7:45, Uncle Dan and WORD study club; 9-9:45, recital, Glenn Dillard Gunn School of Music; 9:45, readings; 11-11:45, program, W. A. Sheaffer Pen company; 11:45, readings, "The Golden Age."

WOS, Jefferson City, Mo. (440.9m-680kc), 8:20 p. m., old-time fiddling contest.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., dinner concert, Ralph Williams and his Rainbo Gardens orchestra; Henrietta Nolan, violinist; H. W. Bundy, song biography; Margaret Cade, soprano; Madeline Cade, soprano; Madeline Ruff, accompanist; 10-1 a. m., Ralph Williams and his Rainbo Skylarks; Dr. H. Lucille Long, harmonica; Eleanor Terry; Laurie, Eddie, Bennie, melodians; Dean Terrill, baritone; Romo Vincent, boy baritone; Merrill Carder, baritone; 1-2 a. m., Ralph Williams, Ginger Man; Little Skylarks.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., program, Susie Reese Kennedy, director; 10:45, entertainment.

WSM, Nashville, Tenn. (282.8m-1060kc), 6:30 p. m., Francis Craig's orchestra; 7, WSM bedtime story interlude; 8, program, Mrs. Thomas Pinkerton; 10, Ward-Belmont college program; Florence Boyer, vocalist; Louise Betts, pianist.

Mountain Time Stations

KOA, Denver, Colo. (322.4m-930kc), 12:15 p. m., Rialto theater musicale; 6:30, Brown Palace string orchestra; 8, Scheuerman's Colorado orchestra; 8:15, Risola Arnold, soprano; Continental Oil Company's Girls' glee club.

KOB, State College, N. M. (348.6m-860kc), 7:30-8:30 p. m., music, college band.

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 5:30-6 p. m., program arranged by Under-Sheriff Eugene Biscailuz; 6, nightly doings; 6:15, KFI's Seeing California; 6:30, vest pocket program; 6:45, Radiotorial period; 7-8, Sweetwater high school band of 40 pieces; 8-9, Aeolian residence pipe organ, Dan L. McFarland, organist; 9-10, Frank Barry, tenor; Ysabel Bowen, soprano; Mutual Motors mirth contest; 10-11, Al Wesson's dance orchestra.

KFOA, Seattle, Wash. (454.3m-660kc), 6-6:30 p. m., Atwater Kent boys; 7-8:15, Sherman Clay and company; 8:30-10, Times studio program; 10-11, Jack Souder's Club Lido serenaders.

KFON, Long Beach, Calif. (232.4m-1290kc), 6:30-7 p. m., Brayton's theater organ; 6:30-7, amusement information; 7-7:30, courtesy program; 7:30-8, investors' hour; 8-9, Press-Telegram program; 9-10, studio program; 10-12, Long Beach Elks No. 888 frolic.

KFWA, Ogden, Utah (261m-1150kc), 4-5 p. m., organ recital, Paramount theater; 5-6, Ogden Radio dealers' program.

KFWB, Hollywood, Calif. (252m-1190kc), 7:20 p. m., Jack Boaz, hunting and fishing scout; 7:30, eye-ologue, Dr. Marshutz; 7:45, microphone brevities; 8-9, program, John Wright, the right tailor; John Wright orchestra, Dan Gridley, tenor, Sol Hoopii's Hawaiians; 9-10, Warner Brothers syncopators, Jean Johnson, pianist; George Wilson, popular songs, Mrs. Vivian Kidson, soprano; 10-11, Warner Brothers frolic, direction Charlie Wellman.

KGO, Oakland, Calif. (361.2m-830kc), 3-4 p. m., Rose Florence, director; Emily Beal, soprano; Mrs. Arthur Ford, mezzo-soprano; Irma Harris Vogt, accompanist; Duke Kamoki's Royal Hawaiians; Ruth Linrud, soprano; Joseph George Jacobson, pianist; 4-5:30, concert orchestra, Hotel St. Francis; 6-6:55, Knickerbocker trio.

KGW, Portland, Ore. (491.5m-610kc), 7:15 a. m., physical culture exercises; 6-7 p. m., dinner concert; 8-9, concert; 9-10:30, concert; 10:30-12, Hoot Owl frolic.

KHJ, Los Angeles, Calif. (405.2m-740kc), 6-6:30 p. m., Leighton's Arcade cafeteria orchestra, Jack Cronshaw, leader; 6:30-7:30, history story, Prof. Hertzog; Richard Headrick, screen juvenile, and Uncle John; 8-10, program, Western Auto Supply company.

KLX, Oakland, Calif. (508.2m-590kc), 4-5 p. m., women's hour; 5-5:30, Aunt Elsie's sunset matinee; 8-9:45, studio program; 9:45-10:30, Athens Athletic club orchestra.

KMTR, Hollywood, Calif. (238m-1260kc), 8-10 p. m., Turner orchestra in classical selections, Loren Powell, director.

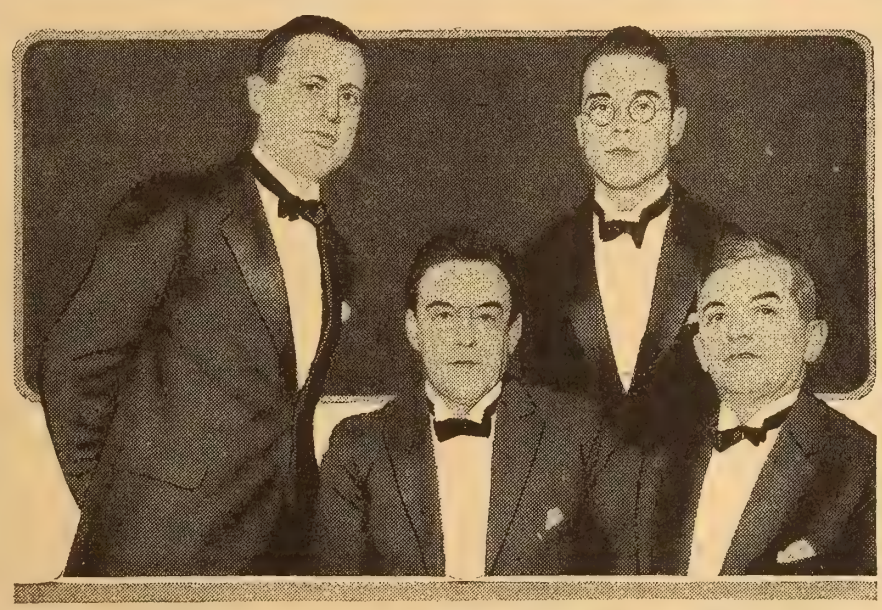
KNX, Hollywood, Calif. (336.9m-890kc), 5-5:30 p. m., Sunny Jim's story; 5:30, First Presbyterian church organ; 5:55, Town Tattler; 6:15, travel talk, W. F. Alder; 6:30-7, Atwater Kent concert orchestra; 7-8, program, Jell-X-Cell company; 8-9, studio program; 9-10, Order of Optimistic Donuts; 10-11, dance music program.

KOAC, Corvallis, Ore. (280.2m-1070kc), 8:15-9:15 p. m., program of music.

KPO, San Francisco, Calif. (428.3m-700kc), 7, 7:30, 8 a. m., daily dozen; 10:30, "Ye Towne Cryer"; 1:30-2 p. m., Rudy Seiger's Fairmont hotel orchestra; 5:30-6, Big Brother; 6:30-7, Waldemar Lind and the States Restaurant orchestra; 8-9, program; 9-10, Palace hotel dance orchestra, Gene James, director; 10-11, Waldemar Lind and the States Restaurant orchestra.

KTAB, Oakland, Calif. (240m-1250kc), 12-1 p. m., luncheon concert; 8-10, program, Breuner's.

KWSC, Pullman, Wash. (348.6m-860kc), 7:30-9 p. m., Ingvald Henneberg, Eric Danielson, banjoists; Helen Dunlap, pianist.



"Around the World with the Apollo Quartet" is the monthly feature at KYW, Chicago. The four gentlemen above are visiting with the listeners many distant places in the world.

Taps of Gong Are from Spanish Bell

Station WJZ, Mexico City, Sounds Relic of Seventeenth Century Design

THREE taps of the gong and talks in a foreign language have set Radio fans in the United States to wondering whether they were hearing the Far East or Europe. The old gong whose mellow tones have entered so many homes through loud speakers is an ancient Spanish bell of the seventeenth century imported by earlier colonizers in Mexico and now has its resting place in the studio of the 500-watt Westinghouse equipped station CZE at Mexico City, where it begins and ends each program.

What will probably interest the fans more than anything else is that this powerful station which has been heard in more than one distant part of the United States is a government station, owned and operated for but one reason—education.

The possibilities of Radio are regarded in this neighboring republic not chiefly for amusement but for the serious purpose of extending education. Dr. Jose Manuel Puig Casauranc, secretary of education, includes in his progressive program the installation of Radio receivers in every public school in the Mexican republic so that eventually broadcasting will play an important part in every classroom, no matter how remote.

The talks which fans have been hearing on a 350-meter wave length are educational lectures given in Spanish.

Christian Science Radio Service Cures Headache

Although Not Believing in Faith Lady Receives Relief

AUSTIN, Minn.—One of the strangest happenings accredited to Radio was experienced here recently when a case of cure was reported to a local paper.

A well-known lady of the city was suffering from a severe headache, which was most inconvenient, as she was entertaining guests. None of the simpler methods brought relief, but during the evening the Radio was tuned in to the Christian Science service being broadcast from the Gold Medal Station, WCCO, Minneapolis-St. Paul. Before the end of the service, her headache had entirely disappeared. The lady is not a Christian Scientist, but the relief of her headache being coincident with the service made a deep impression on her mind and was reported.

TO BASE ARTISTS' PAY ON REQUESTS

Popularity of Radio Stars Will Determine Entertainers' Remuneration at Station WSBC

CHICAGO.—Paying the artist in a record of his popularity, by means of a bulletin board of requests, is the novel idea of "Dynamo" Dave Edelson, director-announcer of the World Battery station here, WSBC, located in the New Southern hotel.

Mr. Edelson has been a favorer of the artist himself, throughout his Radio career, from his pioneer days in Radio advertising to his present position as director of his own station. He feels the inadequacy, in most cases the absence, of remuneration to the entertainers that give the station its name, and seeks to pay them in some equitable way.

A record of popularity is the only way to show the appreciation felt by the invisible audience.

Licence New Cuban Station But State No Wave Length

WASHINGTON.—A new Cuban station, 7SR, at Elia, is now broadcasting every Tuesday and Thursday night at 8:30 p. m., according to a report to the department of commerce. The station is licensed in the name of Salvador C. Rionda and uses 500 watts power. No definite wave length has been assigned, but the station has the authority to use any wave length between 200 and 360 meters.

Listeners are requested to suggest a wave length that will not interfere with their local stations. Those hearing the station may cooperate by writing direct to Mr. Rionda.

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Join the "I Won't Bloop Club"

LAST week marked the beginning by Radio Digest of a country-wide organization that will mean much to the future of Radio broadcast reception. It has been named the "I Won't Bloop Club" and its purpose is just what its name implies. There are no fees—it is absolutely free.

Have you joined? Do it today, and get your neighbor to do it likewise. Sign his name on the dotted line of the pledge card—either one clipped from page three of Radio Digest or obtained direct from your favorite broadcasting station.

Broadcasting stations are helping the club's campaign along by telling their respective audiences of the club and asking for memberships. Sign a pledge card, send it to Radio Digest, and receive a membership card. Simple as this arrangement may seem, many people may doubt the ability of this campaign to clarify the air of a few hundred thousand radiating receivers that are unnecessarily punctuating perfectly good broadcast programs with bothersome bloops and squeals.

But it will be effective, however, simple it seems. All we ask is that every listener sign the pledge and abide by the rules. After that the air will be better for broadcasting. You can depend on a man's word, and we are willing to wager that many an "I Won't Bloop Club" member will take steps to stop his radiation. He will either learn how to make his present set non-radiating or will buy a non-radiating receiver.

SIGN THAT PLEDGE NOW!

World Court Debate Makes Epoch

THE Chicago Tribune deserves credit for its enterprise in bringing the World Court controversy directly before the people through Radio. A debate on the question was staged in Washington by the leaders of the opposing factions before a microphone not far from the capitol itself.

People were enabled to hear both sides of the controversy by their respective strongest adherents. Afterward they were assisted in making a decision of their own by writing their vote on blanks printed in the Tribune.

It was a distinct step in advance both for newspaper enterprise and Radio service. It opens a new field of endeavor on the part of all newspapers. It was the logical sequence of Radio reports of the football games and other sports.

Why shouldn't the more momentous games that concern our national life be presented as directly and vividly?

It brought our statesmen who are on the firing line of our national front clearly and distinctly before their constituents. They became real. Their voices were physical and not third person reports in cold type. There was no opportunity of intentional or unintentional reportorial bias. They presented their own minds with their own voices directly into the ears of the voters.

This fine stroke on the part of the Tribune was a good thing for Radio. It cultivated a new class of listeners. Business leaders, too busy to take time to listen to the average Radio musical program, take keenly to this sort of service.

Internal problems such as the farmers' financial crisis could be placed vividly and directly before the people by the keenest thinkers and speakers. This, of course, has been done and is becoming more and more common but usually as an incidental talk to some public gathering infinitesimally small compared with the Radio audience.

The Tribune has seized the Radio possibilities with both hands—and strong hands they are. Col. R. R. McCormick, associate publisher, himself assisted in making this Washington enterprise a success. He even visited the president in the White House and the success of his mission there was manifest by the ensuing results.

This event of a direct personal debate between the strongest men in the United States senate specifically (not incidentally) into a microphone for the benefit of hundreds of thousands of listeners, might truthfully be said to mark an epoch—a new troth between the Radio broadcast and the daily press.

RADIO INDI-GEST

Consternations

Last week when all the nations
Were exchanging oscillations,
I sat beside this superset of mine.
All I got was radiations
Instead of foreign stations,
While the bloopers played the opera "Heterodyne."

There have often been occasions
When our European relations
Were muddled up and in a manner strained.
But ethereal gyrations,
Caused by DX animations,
Made the greatest foreign rumpus ever gained.

THE NIGHT HERD

Get Out the Gold Award

Dear Indy: A dear friend o' mine said you was checking up on them there International Radio tests. I got a one and ½ tube (the ½ is a Radiotron) receiver what can't be beat, and the tests proved I was right. Please confirm the following what I tuned in:

A—10:00 to 10:25 p. m. Central time, Sunday. Nothing. I didn't have the set turned on. Please confirm.

B—10:25 to 10:26 p. m. Still nothing. Aerial disconnected. Please confirm.

E—10:26 to 10:30 p. m. Whizzz—wheee, s-s-cr-eeetch. Wave length variable. Believed to be Canary Islands. Please confirm.

G—10:30 to 10:45 p. m. More howls, shrieks, bloops, blams, zowies, bings, biffs and crashes. Believed to be static. Didn't have to tune set. Any wave worked. Please confirm.

O—10:45 to 10:50 p. m. 233 meters. Sermon, faint, but if you talked to yourself fast enough you could convince yourself it was loud. Finally worked up courage to tell wife. Please confirm.

R—10:50 to 10:55 p. m. Went to tell wife and get her back to the phones so she could hear Europe "over the loud speaker." Please confirm.

X—10:55 to denouement. Wife shrieks with laughter; "Hah, hah, you poor sap," says she, "This is KFON, the First Church of Christ, Scientist, at Long Beach, California. They haven't learned yet that the tests are on, acct. of being kinda slow out there." Please confirm.

GUM SHOE

Such an easy way to make money! If you don't get the Gold Award we'll sign a bill of complaint. We've been asked to confirm so many things we are beginning to feel like a bishop. Anyway, here's what you got: A-sia; B-muddled; E-gypt; G-whizz; O-he-ll; R-menia; X-cited.

Lost, Strayed or Stolen

Oh, Indi, I'm unhappy,
My eyes with tears are wet—
Tell me what has happened to
That Red-Head Gal, Bobette.

SHOBIE

Well, Shobie, we're sorry but just last week a letter mailed through Indi-Gest to Bobette was returned. Hope she comes back some day.

Or Put House on a Turn-Table

I have changed the direction of my aerial and now cannot tune in several of my old stations, although I have received many new ones. As I cannot change back to the old direction on account of lack of space, what would you suggest as a remedy? D. X. HUNTER

As the technical department couldn't solve that one, it was turned over to us. Our correspondence course, that made us wealthy, didn't think that an important question, but you might try to have the stations moved.

(In next week's issue, Indi will describe and explain his first hook-up since becoming a member of the technical staff. It will show how to connect a player piano to a set with more or less tubes.—Editor's Note.)

There Is Blood in the Moon

It looks too bad for pesty announcers. Last week Blooper got three lines of a poem and couldn't get the last one, so asked Indi to get the gang to help him. Here are the first three lines:

I Know of An Announcer
Who's a Pest Upon the Air—
If I Can Get a Bouncer

.....

And here are some of the suggestions that have come into the office. Have you any? You know the prize is an autographed heterodyne squeal.

"I think murder would be fair."

J. A. C.

* * *

"He'll want to say a prayer."

PETE

* * *

"He'll be minus hide and hair."

HANK

Be a Cake-Eater

Dear Indi: Please send some Radio Digests to me. My wife has been trying out recipes until, I'm sorry to confess, I have the Radio Indigest. So hurry please before I die from eating her pesky old Radio pie.

A. MICHIGANDER

Englishman Loses Control?!

Hump: "Jones carries his loyalty a bit too far."
Bump: "How's that?"
Hump: "He smashed his new five-valve set by jumping to his feet when, at the end of the program, the band played 'God Save the King.'" LONDON BOBBY

Two Kinds of Radio Bills

Condensed

BY DIELECTRIC

Radio dramas may still require touching up, or toning down, here and there to meet the requirements of unseen action, yet there have been examples of such entertainment quite complete. The latest of these came through Station WJZ, New York, with the "screenless Radio drama" called "Just Suppose." It was not difficult to follow the action of the plot as seasoned artists spoke their parts with good diction and histrionic ability; however, this could have been done more easily had the male voices sounded less alike. Listeners were confused at times to know if Prince Ruppert or Tony spoke.

In some of the correspondence addressed to the editor of Radio Digest, there have been decided preferences for jazz and dance music generally. It doesn't seem to me that programs are overbalanced with classical music, although the trend is toward more of the classics. Most stations devote a part of each evening to dance music alone. Improvement in broadcasting ballroom music is noticeable in that less time is consumed than formerly with announcements between numbers. Many stations have received comment to that effect in these columns and I wish to add another: WHT, Chicago, which seldom interjects more than the station call and possibly title of the succeeding selection.

Station WSM, Nashville, Tenn., conducted a special test night with evident success. Smith's dance orchestra furnished the main attraction with a full portfolio of popular hits rendered in an approved fashion. Such announcements as were made were given with pep, terse and interesting. It should be remarked, in fairness to both listener and broadcaster, that the call letters of this station should receive less speedy dispatch in order that one may be sure of the station to which he is tuned. This is an easy matter to correct and ranks as one of the most important items to receive attention.

Splendid organ recitals are heard now and then from the high school auditorium in Atlantic City, N. J., broadcast through Station WPG. A number of complaints have reached me from devotees of this instrument who were tuned to the World's Playground during a recent recital, stating their exasperation over a thirty-minute broadcast with no reference to the station's location. This is not habitual, I wish to say, and probably will not occur again. In the course of groups of musical numbers, it sometimes happens that no announcement is heard between selections in a group, but only at the beginning and end. In classical programs, the continuity of a symphony may be seriously interrupted by applause between movements; call letters can hardly be classed with that, and they should be announced slowly and often.

If you were tuned to Station KSD, St. Louis, while the Bankers Choral club was broadcasting, no need of my mentioning how profitable was the time spent listening to their harmonies. Choral singing should entertain as many people as any other feature broadcast and no one can truthfully deny the presence of exceptionally well trained choruses in the country. More of them should be on the air than are now heard.

These community concerts grow on one and cause wonder that we had to wait so long for them to join Radio entertainment. Another such program through Station WSAI, Cincinnati, gave opportunity for music lovers to rejoice in the artistic work of Miss Vreeland, Mr. Beddoe and the Cincinnati symphony orchestra.

ABC Radio Fundamentals for Everybody

Chapter VI—How Grid Functions

By Milo Gurney

BEFORE explaining the action of the third or grid element of a vacuum tube, and its associated essentials, the grid leak, grid condenser and C battery, it appears important that both the mechanical construction and electrical details of the Radio head phone or loud speaker be first explained. This is to enable one to more fully realize the commanding part which the grid element assumes within the vacuum tube.

Without attempting to picture a particular make of apparatus, figure 17 is shown as typical of the interior and exterior mechanism of a head telephone. It is of interest to know that in general the head phones used in Radio resemble in every detail (but one), the receiver common to those used in wire telephony as a part of the universally used telephone. Electrically, Radio phones use much smaller magnets, while the turns of wire upon the pole pieces of the magnets are vastly greater in number.

Construction of Ear Phones

A-A in figure 18 is a bi-polar magnet, having both a positive and a negative pole. These poles represent the terminals of the magnet and are designated as B-B in the drawing. C-C pictures insulated spools which are slipped over the pole pieces B-B and upon which the wire used within the head phone is wound. D-D usually comprises a stamped, non-magnetic, metal cup which serves as a mounting support for the magnets A-A and their associated parts. E-E is a soft iron metal disk or diaphragm which is supported around its outer edge by the metal cup D-D, with its center directly above, but not in contact with the pole pieces B-B. Entrance openings are pierced through the metal cup D-D, to admit passage of the battery wires from the B battery to the coil windings upon the spools at B-B.

As the head phones are a part of the circuit through which battery current passes over the space charge, or electron flow within the tube. It is then obvious that as it flows through the wires upon the magnet spools, it will energize the magnets and direct a steady magnetic pull upon the receiver diaphragm. Unless the value of this current flow can be automatically varied vibration of the diaphragm cannot occur and sound cannot be produced.

Importance of Grid

By this slow process of reasoning, we arrive at the importance of the grid, whose function is to vary the value of the current flow, through automatically varying the volume of the electron flow from the filament to the plate.

This valve-like action of the grid is little understood, and only about five per cent of those constructing Radio re-

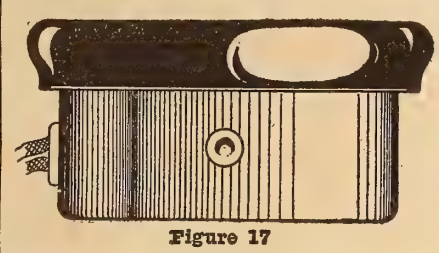

Figure 17

ceivers, outside of the engineering fraternity, have the slightest conception of what it is all about. Surely Radio suffers through having too many cooks to spoil the broth. Radio reception suffers, while the B battery manufacturers are doing quite well thank you, because of the heavy drain upon B batteries, although they are spending a lot of money trying to get designers to cut this uncalled for drain down, through the insertion of C batteries.

Getting back to our subject, you will recall, earlier in the articles, that the current which reaches the tube is alternating, or two-way in character, and is guided on one side to the grid terminal of the tube socket, and on the other to the filament terminal. In action, it is then evident that in each cycle or period the grid is alternately charged negative and positive. Thus, as the grid receives its negative charge, the flow of electrons which would normally be attracted to the plate are in part arrested, or interrupted in this travel and attach themselves to the grid. This effect reduces the plate space charge, and offers a resistance to the normal flow of current, or in effect, varies its value. This varying value, in turn, creates a varying pull upon the phone diaphragm, and it is this varying pull which causes the sound to be reproduced in unison with the modulated received signal.

The Grid Leak

The electrons thus stored upon the grid are, in part, neutralized when the current swings to positive, while the surplus are returned home to the filament through passing over the grid leak. The grid leak is, as the name implies, but a resistance of a sufficient value to admit a predetermined volume of negative electrons to pass through it to filament. Were it not of a correct value, the grid would not retain the electrons, but would permit them to flow uninterruptedly to the filament and thus destroy the automatic grid control or valve action so important for successful operation.

It is apparent that the grid valve action is created through the alternate positive and negative value of the current reaching it. However, these alternate charges are not sufficient to furnish the nicety of control which is desired. Therefore, a negative booster, or C battery is placed in series with the grid circuit, and just ahead of the grid leak. This is usually of a 4-volt value, with the negative pole of the battery connecting to the grid leak. The purpose of this applied voltage is to counteract the effect of the positive alternating signal voltage, in order that the grid may be maintained at a predetermined negative bias, consistent with securing the best operating point on the curve of the tube. As a discussion of this point involves much that is foreign to an article of this type, it will not be gone into for fear of adding complications.

A Simpler Explanation

The above then is how the grid functions, and I quite realize that it is as meaningless to you as it was to me when first explained in a similar manner—so I won't let it go at that. I will give you, in a very few words, my boy Jack's explanation, as all fathers of boys have "very bright" boys. One evening, after drawing numerous diagrams picturing grid action, and exhausting every known means for the conveyance of intelligence to him, with side remarks which included "dumb," "no brains" etc., etc., he piped up with "Oh, yes, I've got it, and under-

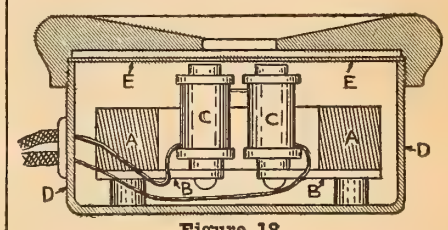

Figure 18

stand it better than you do. Now, listen, here is the way a grid works. The little electrons which leave the filament can't jump as far as the big ones, so they make just half a jump and land on the grid. Then old man positive sees a bunch of them on there, and cracking his whip says: 'Get outta here,' and they being scared almost stiff, take another jump to the plate. So you see, daddy, part of the time the little and the big ones are jumping and part of the time they ain't, and that's why the current varies." Which explanation after all is pretty close to the truth and surely utterly devoid of technical verbage. So I take it back—Jack's explanation is the one to believe.

Without doubt, any attempt to explain the action of the grid must of necessity

(Continued on page 24)

BIG PRICE REDUCTION

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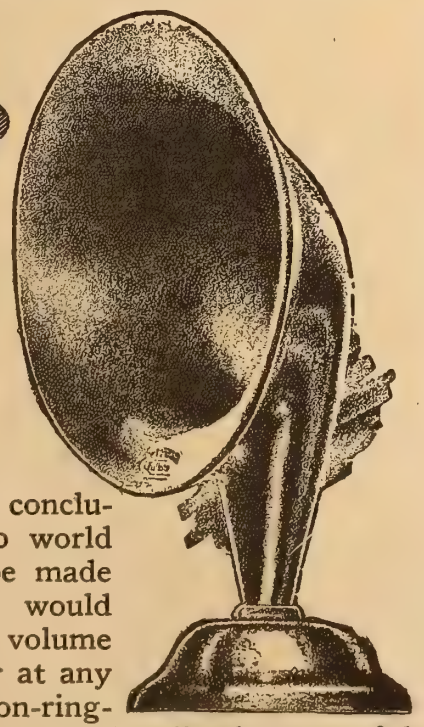
THE FORD of LOUD SPEAKERS



$6.50

Fultone Loud Speaker has conclusively proven to the radio world that a reproducer could be made and sold at $6.50 which would handle music or speech in volume as perfectly as any speaker at any price. The horn is solid, non-ringing and wide-throated enough to handle the powerful reproduction from super-heterodyne or reflex. The adjustable diaphragm permits matching Fultone to any receiver and "B" battery voltage.

The Fultone speaker will be shipped on a satisfaction or money back basis on receipt of price in money order or currency. The coupon is provided for your convenience in ordering if your dealer cannot supply you.

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Tear Off, Fill in, Mail Now

HALL & WELLS, Inc., 4600 Lincoln Avenue, CHICAGO, ILL.

Enclosed is $.....for which ship me ( )

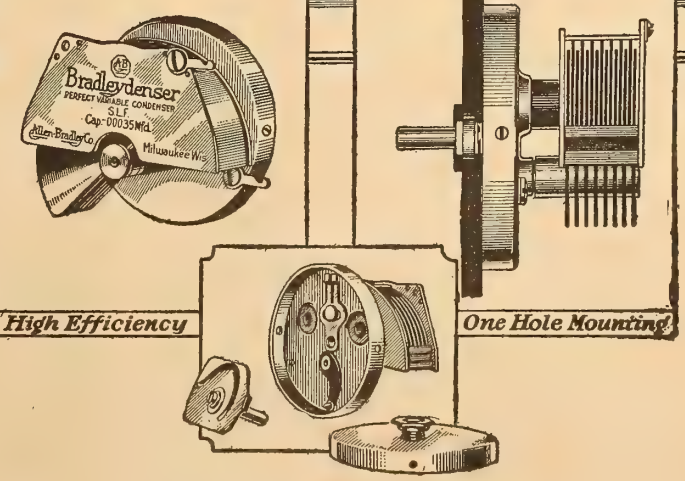
Fultone Speaker.....( ) Fultone Unit at once, my money to be refunded if I am not satisfied and return this merchandise within 5 days.

NAME .....

ADDRESS .....

CITY AND STATE.....

The New **S.L.F. Bradleydenser**



A Compact Straight-Line-Frequency Condenser

THE new S. L. F. Bradleydenser is the outcome of long, careful research in condenser design. It provides straight-line-frequency tuning over the entire circumference of a 360-degree dial. Stations are widely and evenly spaced over twice the dial-spacing of ordinary condensers. This unique control is obtained by using a special cam on the condenser shaft which provides the straight-line-frequency tuning now demanded by all set builders.

ANOTHER feature of the new S. L. F. Bradleydenser is the compact design which eliminates the long eccentric rotor plates. The Bradleydenser can be substituted for any condenser on a set without interfering with other parts on the panel. The one-hole mounting also simplifies installation. Be sure to bring your set up-to-date by getting a set of S. L. F. Bradleydensers from your nearest dealer.

Use Allen-Bradley Radio Devices in your radio sets

Mail the Coupon

Allen-Bradley Company,
290 Greenfield Ave.,
Milwaukee, Wisconsin

Please send us your latest literature on the new S.L.F. Bradleydenser and other items of the Allen-Bradley line.

Name.....

Address.....

.....

WAS BOY SCOUT FIRST?

(Continued from page 6)

station. After letting Armstrong in for the record, he acknowledged receiving signals from others.

Mr. Godley reported that he had interviewed Benzie and Miller about their record and that they had taken the matter in a sportsmanlike manner, but I have been unable to find that either he or they ever stated that they contradicted the reports sent to the Robinsons.

I have investigated the Robinsons and the Scotchmen. They all have excellent reputations for truthfulness and honesty, as I can prove by letters from unprejudiced persons. Benzie's father states that the Robinson station was heard as reported. I have investigated Armstrong and Godley. They are, and were at the time of the 1921 A. R. R. L. tests, professional Radio men. They made good use of the publicity gained by their "record," for their own benefit.

Armstrong was engaged in litigation against Dr. Lee DeForest, who manufactured the transmitter used by the Robinsons. Armstrong won, and some years later, after it was reported that he had received a million dollars for his regenerative circuit patent, another court decided in favor of Dr. DeForest. I wrote to Armstrong, telling him what the Robinsons said about the way in which he obtained the letter from them. I received no reply.

I have asked all the members of the investigating committee that discredited the Robinson record, including Mr. Armstrong, A. A. Hebert and L. G. Pacent, where the evidence might be seen on which their decision was based. I also asked President Burghardt (presiding at that time) of the Radio Club of America.

The evidence has not been made available. President Maxim of the American Radio Relay league says he never saw it. Mr. Armstrong said that Benzie and Miller made a mistake in reporting the time the Robinson station was heard.

The evidence in my possession has been submitted to the editor of Radio Digest and he states that it appears to be conclusive in establishing the Robinson record. Their station succeeded in getting across again in later A. R. R. L. tests. Benzie, now in India, where he became an engineer on a tea plantation, has verified the reception of broadcasts from the British Isles, and his reception has been confirmed.

Did Armstrong and Godley steal the Robinson record?

Has the Radio Club of America the evidence that Armstrong promised to show the Robinsons? Is it conclusive? Will it be made public?

If not? You say it!

"BLOOPER" WAR OPENS

(Continued from page 10)

of terrific annoyance and interference to myself and many other listeners. I tuned my set to the station the other fellow was trying to receive that night, and then I shut off my set and went calling. At a neighbor's house a square away, I found him sitting there toying with the dials while his highly oscillating set with brightly lighted tubes, was squealing all over 'Kingdom Come.' He was trying to get the station for which I had left my set tuned, and I said to him: 'Let your dials remain as they are, don't turn off your set, and come up to my house.' My friend did as I suggested and when I turned on my set in his presence, in came his squealing interference. Then I said: 'Now call your wife on the telephone and tell her to move the dials back and forth, and let's see what happens.' Every time she turned the dials past the point of resonance for the station we both had tuned in, you can imagine the terrific howls, yelps, whistles, squawks and squeals that surged in through my loud-speaker, since my set has enough volume to fill an auditorium.

"My friend was convinced that he was a 'Radio disturber,' and promised to get a non-radiating receiver, but he still uses that interfering 'blooper' although the occurrence happened some time ago, and he goes on disturbing other listeners within a radius of many miles. He is not a member of the Broadcast Listeners association of our city, but should be for his own good as well as that of other listeners whose enjoyment he spoils."

Such situations as this are retarding the use of Radio. The sooner a compulsory remedy is found to prevent "radiated regenerative interferences" of this character from interfering with broadcast reception, the sooner will the art of Radio come into general favor for all around usefulness as an indispensable scientific utility for social and economic advancement, in furtherance of private and public education, entertainment and human progress.

(Having shown where the blame lies for this unfortunate condition of the atmosphere and the extent to which a few can spoil the pleasure of hundreds of others, this discussion will be continued next week and for several issues to come and will take in preventive measures on various types of receivers.—Editor's Note).

ORGAN WEAR FAVORITE

(Continued from page 7)

take you back to the trumpets of King Tut and can do it just as easily as he can to the Oriental fantasias of modern Arabia. At present he is on the air with a tour into the historical past. He has organized an historical society for those who accompany him—membership cards are issued to those who write for them. They travel each Thursday evening back to music of past generations.

* * *

AT WEAR it seems that sincere effort has been made to plan programs which will, in their general course, please all classes of listeners. The regular weekly features include classical, semi-classical, jazz and talks by prominent speakers. New York relays, including the Atwater Kent hour on Sunday evenings, also are broadcast from WEAR.

The Goodyear concert orchestra entertains during Sunday afternoons, under the direction of Ivan Francisci.

Sunday evenings from 7:50 to 8:30, the WEAR quartet, which is composed of Leona Brown Woodcock, soprano and accompanist; Edith McArt, contralto; Albert Downing, tenor and director, and Gay Donaldson, baritone, offer songs and song cycles particularly suited to this Fireside hour.

The dinner concerts from 7 to 8 every evening are furnished by the well-known orchestras from the Hotel Cleveland and Hotel Statler, under the direction of Friederick Jansen and Maurice Spitalny, respectively.

The jazz music of the station is furnished by Warmack's singing syncopators. This orchestra offers a program late each Tuesday and Friday, along with a half hour dinner concert from 7:00 to 7:30, on this latter evening. They also offer a program on the first and third Saturdays of the month from midnight to 1:30 a. m.

The WEAR studio instrumental ensemble, which just recently made its debut before the Radio audience, is composed of Leona Brown Woodcock, staff pianist and director; Howard DeGant, violin; F. E. Sommer, cello; Bruce McAdoo, viola, and Herman Walter, flute. This ensemble is to be one of the regular features on the WEAR programs.

A B C'S OF RADIO SETS

(Continued from page 23)

be clouded as it involves so much of the technical in order to treat the subject fairly. I trust that those of you who are sufficiently interested seek out the public library. A most fruitful evening can be spent in learning more about this wonder of Radio.

(In the article on A B C fundamentals next week Mr. Gurney will explain the different types of audio frequency amplification, which when added to the detector serve the loud speaker.—Editor's Note.)

OLD DANCES WIN FAVOR

(Continued from page 5)

Henry Ford produced Mellie Dunham of Maine, and Mellie, at the foot of the flivver king's throne in Detroit, challenged the world to take away his claim as the grand champion fiddler. Uncle Jimmy heard about it and was shocked.

"You tell that up-Maine feller," said Uncle Jimmy to Hizzoner the S. O. J. "that any time he wants to meet a real fiddlin' champeen I'll be listenin' to proposals. But it ain't fair for a youngster like him to hope for to beat a real ol' timer like me whose been fiddlin' at the dances since he was a baby on his mother's knee. Why he's only seventy-two. I was plowin' a field 'fore he was born."

Latest advices from the front fail to state whether Mellie and Uncle Jimmy have signed up for a match with Mike as the referee.

* * *

WHEN the honors have been decided between Mellie and Uncle Jimmy the winner will doubtless be confronted by a score of new challengers. For instance there will be Mr. John Baltzell who, according to a letter signed by Wm. L. Baltzell, 502 E. Ohio avenue, Mt. Vernon, O., is the "champion old-time fiddler of Ohio, Indiana and Kentucky; also Edison and Okeh artist and very well-known as a Radio entertainer. He plays every Friday, 1 p. m., at WEAO, Ohio State University, Columbus, and has played at WBAM, WLW, WTAM and WHR."

It is probable the winner will have to settle with the champion of Connecticut, declared at the finals of a state contest for old-timers, over fifty years old, at Hartford, January 28, sponsored by the Hartford Courant and the Capitol theater.

And Michigan will have to be reckoned with, according to a letter from the Michigan State college at East Lansing. It says:

"One hundred letters in one day as the result of a single program is the record made at WKAR, the college Radio station. An old-time dance program played by an

(Continued on page 26)

The Eveready Hour

LIKE the fabled ship in which Jason brought home the enchanted fleece of gold, the Eveready Hour brings a rich treasure of entertainment to charm the harbor-homes of its hearers.

Inaugurated two years ago, the Eveready Hour was an adventure in broadcasting—an hour of connected entertainment, uninterrupted by the frequent injection of the name of the broadcaster.

Many of these programs have become famous. Thousands of letters voice the appreciation of our audience and ask for repetition of favorites. We make no requests for these letters, but they mean much to our artists and to us, and are of great value in helping us in our efforts to arrange programs of a distinctive nature and pleasing to the vast audience.

Radio has already become a highly specialized art worthy of the most scrupulous code of ethics, and the Eveready Hour represents a sincere effort to pioneer in providing the most acceptable form of radio entertainment.

Eveready programs cover a wide range of entertainment and human interest, transporting us to periods of wholesome simplicity; to barren islands where marooned sailors meet adventure, starvation and death; to battle-scarred France with singing doughboys; to emotional heights by telling with music the stories of the seasons; and to memories of yesteryear aroused by old ballad and musical comedy favorites.

Eveready Hour begins at 9 p. m. each Tuesday night, Eastern Standard Time.

NATIONAL CARBON CO., Inc., New York — San Francisco
Canadian National Carbon Co., Limited, Toronto, Ontario

Tuesday night means Eveready Hour—9 p. m., Eastern Standard Time, through the following stations:

WEAF—*New York*
WJAR—*Providence*
WEEI—*Boston*
WTAG—*Worcester*
WFI—*Philadelphia*
WGR—*Buffalo*
WCAE—*Pittsburgh*
WSAI—*Cincinnati*
WWJ—*Detroit*
WOC—*Davenport*
WEAR—*Cleveland*
WCCO—*Minneapolis* / *St. Paul*
WGN—*Chicago*
KSD—*St. Louis*

EVEREADY
Radio Batteries
-they last longer

OPERATING AND TROUBLE SHOOTING

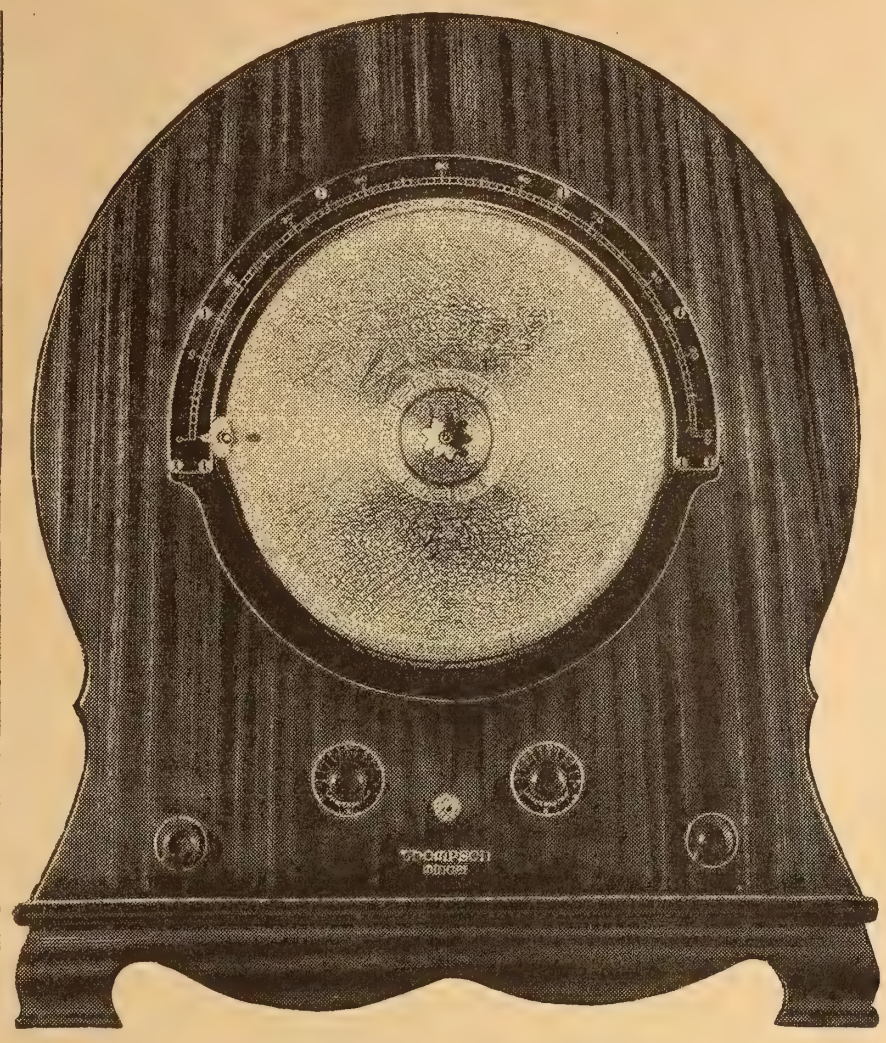
OPERATING and Trouble Shooting, is a Radio Digest feature, the purpose of which is to give practical information on the operation, care and cure of simple troubles in every kind of receiver. Standard Radio receivers of wide distribution and use are studied from the standpoint of instructions for installing and connecting, tuning and operating, and remedying little difficulties. The suggestions below, if executed faithfully, will make winter broadcast listening yield all there is to yield to the reader and give your set a fair chance to show its worth.

For the Owner of a Thompson Minuet Receiver

THIS is a five tube tuned radio frequency receiver of unique design both as to external appearance and internal mechanical assembly. It employs a straight circuit (non-reflex) which includes two tubes operated as radio frequency amplifiers, a detector and two stages of audio frequency amplification. In appearance, the Minuet is distinctly unlike any other receiver and its compact construction and simple operation represent a most successful combination of two goals long sought for by engineers. A cone type speaker is built into the front of the cabinet and internal compartments are provided for the necessary batteries. The tuning arrangement is about as close to single control as one can get at this stage of Radio's development and the major tuning is accomplished with the Station Selector Pointer which travels around the upper edge of the speaker diaphragm.

Uses New Power Tubes

This is one of the first sets on the market to use tubes of the UX type and the new power tubes. The user has two choices as to tubes and batteries although in either case dry cells furnish the filament power. When this receiver is operated at what the manufacturers choose to call "Regular Volume," five UX-199 tubes are to be used and this combination will provide ample volume for all practical purposes. To meet special conditions, a combination of tubes is possible which gives "Extra Volume" and here the user inserts four UX-199s and one UX-120. As we tried out the set in the laboratory, the "Extra Volume" combination was used which makes necessary the following batteries: 6 Columbia Ignitor dry cells, 3 Eveready No. 772 B battery units and 1



Eveready No. 766 B battery used as a C battery.

To connect the Eveready Ignitor dry cells use the short wires provided with the set. The center terminal of one is connected to the edge terminal of a second and the center terminal of this second one is connected to the edge terminal of a third. This makes up one series group. The other three cells are connected this way to form another series group. Place the two rows of three close together so that the open edge terminals of each group are at the same end and the open center terminals at the other. Now connect the center terminal of one group to the center terminal of the other and likewise the edge terminals. With a heavy cord or tape tie the six cells together and place them in the bottom compartment at the right side (looking at the set from the rear).

Connecting Batteries

Wires are provided coming down from the set into the battery compartment and the wire with black and yellow covering is to be connected to one of the edge terminals at the ends of your two series groups. The solid yellow covered wire connects to one of the center terminals at the other end of the series. The three number 772 B units are placed flat one on top of the other at the left side of the compartment with negative terminals to the left and plus terminals to the right. The bright red wire from the set goes to the bottom plus post, a short connector goes from the bottom negative post to the center battery's plus post and to this same plus post connect the maroon and red lead. The center negative post must be connected with a short connector to the top plus and to this top plus post we also connect the maroon lead. This leaves only the minus of the top battery open and the lead which is black and red connects to that.

The C battery, which in this case is an Eveready B unit, is placed on the shelf in the very top of the set with minus to the left. Three leads come up through from the set to this shelf and the solid black one goes to the negative battery terminal. The black and green goes to the plus 18 post and the pure green lead is connected to the plus 22½ post of the battery.

Rigging the Aerial

Binding posts for the connection of aerial and ground are directly behind the set proper. The ground connection is made as usual, to a water pipe and with a ground clamp. About two inches of the pipe are to be scraped shiny and the ground clamp secured at this point with a wire from the set, run to it as directly as possible, fastened to the clamp. The antenna can be erected either indoors or outdoors but the latter is preferable. The total length of the ground wire, the lead-in and the antenna proper should not exceed 125 feet. A single wire stretched between two chimneys, two trees or the house and the garage, and insulated from the supports at each end by a small Pyrex or porcelain insulator will give the best results. If, for example, the ground wire is 10 feet long and the lead-in from aerial to set will be 35 feet long, the wire between insulators should be about 65 feet long. Should the supports be further apart than this, the remainder of the distance can be filled in with rope or wire between the insulator and the further support.

(Continued on page 26)

Fred W. Stein.

Steinite Low Loss

Interference Eliminator

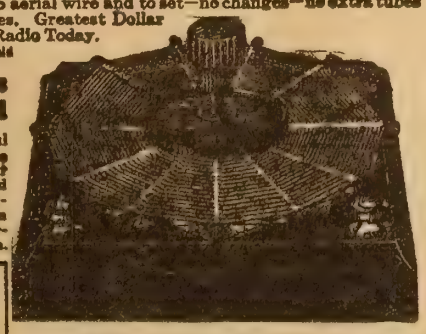
No Radio Set Complete Without It

Select stations at will. With music and voices crowding the air the average set fails to bring in the desired stations properly. The *Steinite Interference Eliminator* shuts out local and other interference. You get one station at a time, the one you want, and tune in loud and clear. Operates on any set—attach to aerial wire and to set—no changes—no extra tubes or batteries. Greatest Dollar Value in Radio Today.

Over 150,000 Sold

Improved Results with Tube or Crystal

Try entirely at my risk the wonderful improvement this inexpensive little device will make in the reception of your set. Improves results on both crystal and tube sets that use any kind of aerial except loop antenna. Clears up reception wonderfully, increases volume, and partially absorbs static. Money-Back Guarantee.



Mfrs. Famous 1,500 Mi. Steinite 1-Tube Set, $6; Long Distance Crystal Set, $3; Steinite Crystal 50¢ — Three for $1.

Steinite 5-Tube Set $29.75

FREE Descriptive Literature on request.

$1 Postpaid If you are not delighted with results you get your dollar back

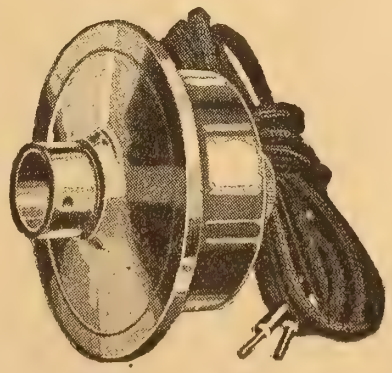
Put this interference eliminator on your set and note amazing improvement. No tools needed—install in a moments time. Connect with set and follow simple instructions. Money back promptly if not delighted. $1.00 postpaid anywhere in U. S. when cash with order.

References: Exchange National Bank, Atchison Savings Bank. Order today—a dollar bill will do.

STEINITE LABORATORIES, 161 Radio Bldg., ATCHISON, KANSAS

Big Price Reduction

FULTONE LOUD SPEAKER FOR YOUR PHONOGRAPH



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Now Only

$3.00

Fultone

TRADE MARK

LOUD SPEAKER UNIT

$3.00

The unit will be shipped on a satisfaction or money back basis on receipt of price in money order or currency.

This unit is the secret behind the unparalleled success of Fultone Speaker. Its large diaphragm and bobbins of fine wire are protected from injury by a heavy nickel-plated case through the back of which adjustment is made by means of a special key. The pole pieces are not made from a solid piece of iron but are assembled from 15 laminations of carefully chosen steel.

Use on Your Phonograph

Edison Adapter.....25c
Columbia or Pathe.....20c
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Tear Off, Fill in, Mail Now

HALL & WELLS, Inc., 4600 Lincoln Avenue, CHICAGO, ILL.

Enclosed is $..... for which ship me..... ( ) Fultone Unit at once, my money to be refunded if I am not satisfied and return this merchandise within 5 days.

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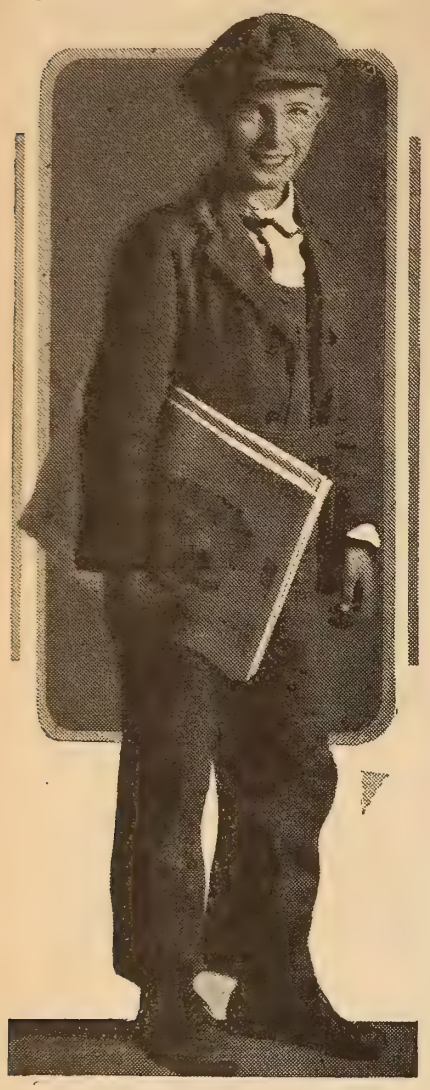
REAL NEWSBOY ADDS REALISM TO DRAMAS



Mrs. Wilda Wilson Church wanted a real newsboy to take the part of "Puffy" in "Just Boys," which was broadcast over Radio Station KGO, San Francisco, so she picked Reginald Wood (above), who was selling papers on the corner near the studio. All Reggie had to do before the microphone was be himself and act natural.

KGO AND RADIO DRAMA

(Continued from page 4)

ambulance whizzed past the house where the family was gathered. The mother ran to the door crying—'My! That ambulance certainly got here quick!'

"The KGO players have given a drama each week for almost two years. Our repertoire has included almost all kinds of plays, but mostly those written for the stage—farce, comedy, melodrama, and the more serious heavy dramas.

"Every time we broadcast we are sure to get letters from entirely opposite reactions. Some will say, 'This is the best play you have put on yet!' Others will say, 'It was all bunk!' Between these two extremes range the variety of opinions and appreciations of this multiple-minded ear, into which we pour our audio dramas every Thursday night. Letters have come from hospitals, shut-ins, ninety-year-olders, from San Quentin penitentiary, from men working on the roads in the mountains of the west, and from children just learning to write.

* * *

"IN time, I believe, dramas will be written just for the Radio. In fact, it is being done to a certain extent today; although no one, to my knowledge, has been able to establish a veritable Radio technique.

"The person who cannot enunciate clearly, phrase correctly, make the printed word come ALIVE—who cannot make stories LIVE by the spoken word—will soon have no public voice. I believe the Radio audience wants sincerity and naturalness. In other words, the Radio drama must seem like life itself, coming out of ear-phones and loud-speakers. For all the listeners know, it may be real life itself, instead of a spoken play in a studio before a microphone."

A newsboy on the streets of San Francisco, yelling out his wares, was recently selected by Mrs. Church to take the star part in the Radio drama. The boy made good, created a sensation among listeners for his newsboy talk and realism, and is now one of the regular members of the cast of KGO players.

The boy's name is Reginald Wood, and he took the part of "Puffy" in the drama, "The Delinquents," written by Catherine Browning Miller, was produced on the New York stage under the name "Just Boys." In the stage production of the play the part of "Puffy" was taken by Ernest Truex.

According to Mrs. Church, listeners are becoming more and more insistent on realism in the play over the air. Her experience with Reginald Wood has convinced her that the way to get realism is to go out and select people in real life to take the parts in plays produced before the microphone.

OPERATING THE MINUET

(Continued from page 25)

One can now install the tubes and care should be taken to see that the UX-120 is placed in the proper socket. Being in a hurry, the writer did not watch this point carefully and looked for the resulting distortion for half an hour before finding that the UX-120 was in a radio frequency socket. Looking at the set from the rear and reading from left to right, the first three tubes are UX-199, the fourth is the UX-120 and the last is another UX-199. It will be found that two of the holes in the sockets are larger than the other two and that two of the pins in the bottoms of the tubes are somewhat larger. Turn the tube until the proper pins are just above the proper holes and then a firm, steady push downward will set the tube firmly.

Behind the fifth socket mentioned above, there is a coil with three binding posts marked 1, 2 and 3 with a flexible lead coming up to them which may be secured to any one. If your antenna and ground system is close to 125 feet overall, slip this lead on post number 1; if the length is about 75 to 90 feet use post number 2 and, if an indoor aerial or very short outdoor aerial is employed, use post 3. The back can now be replaced on the cabinet and we are ready to put the set into operation.

Operating the Minuet

Below the speaker on the front of the set are four small knobs; the two in the center are called "Compensators," while that at the extreme left is a volume control and that at the right is the filament control. Turn the two end knobs toward the right so the small pointers are about horizontal and to the right. Set the Compensator knobs at 0 position. Insert the small key provided in the battery switch (between the Compensator knobs) and push it inward until it stops, then lock in position with a slight turn either left or right. This operation lights the filaments of the tubes and must be done each time the set is put into operation.

Slowly move the Station Selector Pointer over the tuning scale from 0 to 100 and back, until a broadcast station is heard. Adjust position of this pointer as closely as possible for maximum volume. The small Compensator knobs are then adjusted separately for maximum strength—and that's all there is to tuning in a station. On this first trial, however, it will be necessary to adjust the Volume and Filament Controls for best results. If these knobs are turned unnecessarily far to the right, the life of both the batteries and tubes will be considerably shortened. With a distant station tuned in with Station Selector and Compensators, turn the Volume and Flament knobs back to the left until a diminution of volume is noticed, then back to the right just a bit. At this adjustment the tubes are giving maximum possible results and increase in filament brilliancy resulting from turning the knobs to right would do no good.

To Shift Antenna Lead

While presumably the Compensator knobs would have to be readjusted slightly for each station we did not find this the case. With the left Compensator at 0 and that at the right at 2 to the left, all stations were brought in at maximum and no adjusting of the Compensators from these positions did any good. If excessive interference is encountered from powerful locals and no amount of fine tuning will completely separate them, open the back of the set and shift the antenna lead, on the coil, from post 3 to post 2 or from post 2 to 1 as the case may be. More range and volume may be secured on 3 but the selectivity will be increased, making reception more pleasant and tuning easier with this wire on post 1. The set is turned off by turning key to point where it springs out and it can either be left partly out or entirely withdrawn as you prefer.

OLD DANCES WIN FAVOR

(Continued from page 24)

orchestra composed of employes at the college brought forth this deluge.

"With the beginning of Henry Ford's old-time dance music fad, the "Power House Gang" at the college decided to form an orchestra. Fred Sherman, sixty-eight years old, claims the local championship, which he has held for the past forty years. He has been challenged by Jep Bisbee. Ten states were represented in the letters received."

Station KFMQ of the University of Arkansas considers its program incomplete without an occasional contest between old-time fiddlers.

So it seems that Mr. Ford is in a fair way to claim immortal fame for reasons

(Continued on page 28)

Tower

Wherever There Are Ears to Hear—

There's a Tower Speaker or Headset to fit every taste, every pocketbook.

The Meistersinger Speakers, the Scientific Speaker and the famous Tower Phonograph Attachment are equipped with the wonderful new double diaphragm—the greatest single contribution to sound reproduction since Bell invented the telephone receiver. These Tower Units re-create *all* the instruments of the orchestra—as well as choral singing and the spoken word—in their original, living vividness with full resonance, color and shading. Before you buy — Hear a Tower Speaker.

On Sale by Good Dealers From Coast to Coast

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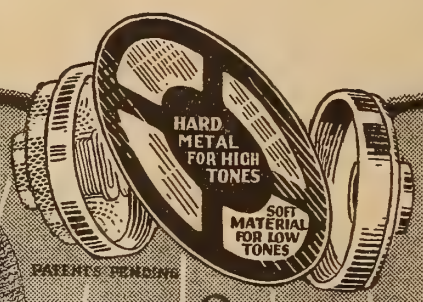
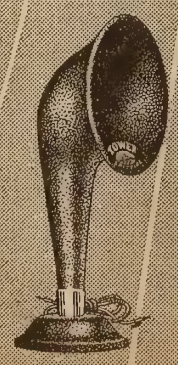


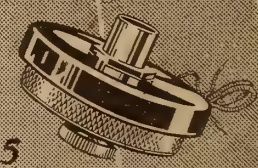
* *Only Tower Products are equipped with this new Diaphragm*

* *Scientific* $8.50

* *Meistersinger* $15.00



Tower Scientific $2.95



Little Spitfire $4.25

* *Phonograph Attachment* $3.25

WORLD'S GREATEST SPEAKER VALUES

Construction of B Current Power Supplies

Part III—Thordarson UX-213 Tube Type

By George Walters

IN PRESENTING this series of B power supply units the writer presented the most popular but the largest in size first, then the next most widely used type constructed along more compact lines, and we have saved for the last a type of which very few have as yet been made, but having the advantage of extremely small size and absolutely no hum. This combination about to be described measures but 6 inches from the tip of its UX-213 tube to underside of baseboard, 8 inches in depth and 10¼ inches in width. Not much bigger than a large capacity B battery. Tested on the Unitrola receiver, recently described in Radio Digest, not a trace of hum could be found, even with the head receivers connected after the second stage.

Price Correction

IN THE list of parts presented in the last issue with the Molliformer B Power Unit, the price of the kit from C. E. Jacobs was given as $17. This is the price of FW4 kit, a four jar assembly, while the kit used was the FW8, containing eight jars and listing at $22.50. The total cost of parts is therefore $27.70.

The Special Transformer

This type has not been widely constructed chiefly because few transformer makers have brought out suitable transformers for use with this new RCA tube. There are plenty of transformers for the Raytheon tube, but this one was ignored. Requests began to come in to Thordarson, however, so the transformer and chokes used in this third unit were designed and are now available. The transformer is known as type R197 and comes complete with twisted cord and light plug as input and six binding posts for output. There are two secondaries needed, one to light the filament and one to supply the high voltage. The filament secondary develops 5 volts between the outer terminals and has a center tap which is the positive output point. The large secondary develops 200 volts between each outer terminal and the center point, this last point being the negative output connection.

The chokes are both compact and neat in appearance with an inductance value each of 30 Henries. They are known as type R196 and two are necessary. The filter used in this layout is the same as that provided for the Raytheon-Acme combination, which was the first type described. Again we use some of the most excellent high voltage condensers marketed by Tobe Deutschmann, neatly encased, easily mounted and available in the desired sizes. Allen-Bradley's line is called upon for a number 10 Bradleyohm and a 10,000 ohm Bradleyunit. Daven at Newark supplies the mounting, available everywhere now, for mounting the Bradleyunit. The socket is Benjamin's justly well-known spring-cushioned Clera-tone, while the binding posts can be either Walnart or Eby Ensign.

The front panel size will depend largely upon whether you intend placing this equipment in a cabinet. If you are going to, use a 7x12x3/16 piece of Formica, but if it will be left in the open you can do as the writer did and use a 6x7 scrap. It should be remembered that this tube is going to get pretty warm in operation, so, if the unit is enclosed, provide plenty of holes around top and bottom for circulation of air.

Getting down to actual construction, the layout of the apparatus can be seen clearly from study of the top view photograph. No matter what size front panel is used, the hole for the Bradleyohm is 4½ inches from the bottom and centered, while the binding posts are 3¼ inches from the bottom and 1½ inches apart. The writer's baseboard is 5/8 inch thick, so the holes for the three screws holding panel to baseboard are 5/16 inch from bottom. It is advisable to carefully place all parts on baseboard, mark where each wood screw is going, then drill a fine hole at each point but do not screw down each part as yet. For the transformer, the left rear and front right mounting holes are used, for the first choke to right, the rear right and front left holes are used and for second choke the rear left and front right holes take screws.

For the rear 4 mfd. condenser use the rear right and front left lugs and for the front 4 mfd. condenser use the rear left and front right lugs. The reason for all this will be seen when you get to grounding cases. The wiring of the transformer and the four .1 mfd. condensers is handled before securing transformer. Place two .1 units face down and side by side on transformer, then two more face down squarely on top of them. For the time being hold them in place with a large rubber band or string. Two soldering lugs are placed on each of the six transformer posts. In the rear row of three posts turn one lug on each toward the rear, which will bring the lug on each outer post against the outer lug on each of the lower condensers; solder to these. A short piece of wire can connect the inner lug on each lower .1 condenser and this wire will touch the soldering lug on center rear row post of transformer.

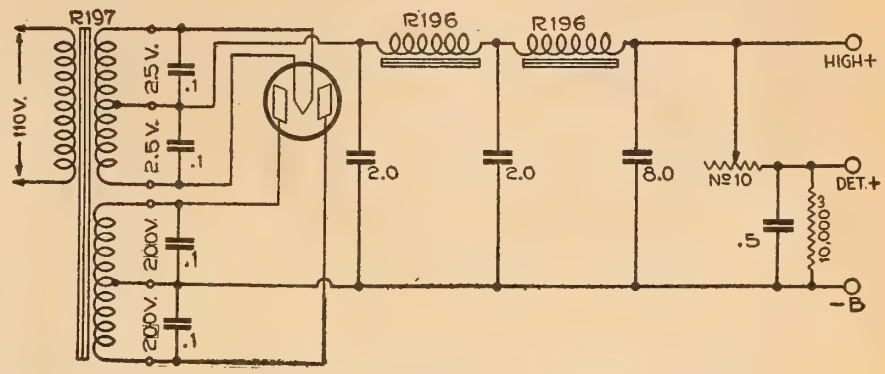


Figure 3. Wiring diagram of Thordarson UX-213 B unit.

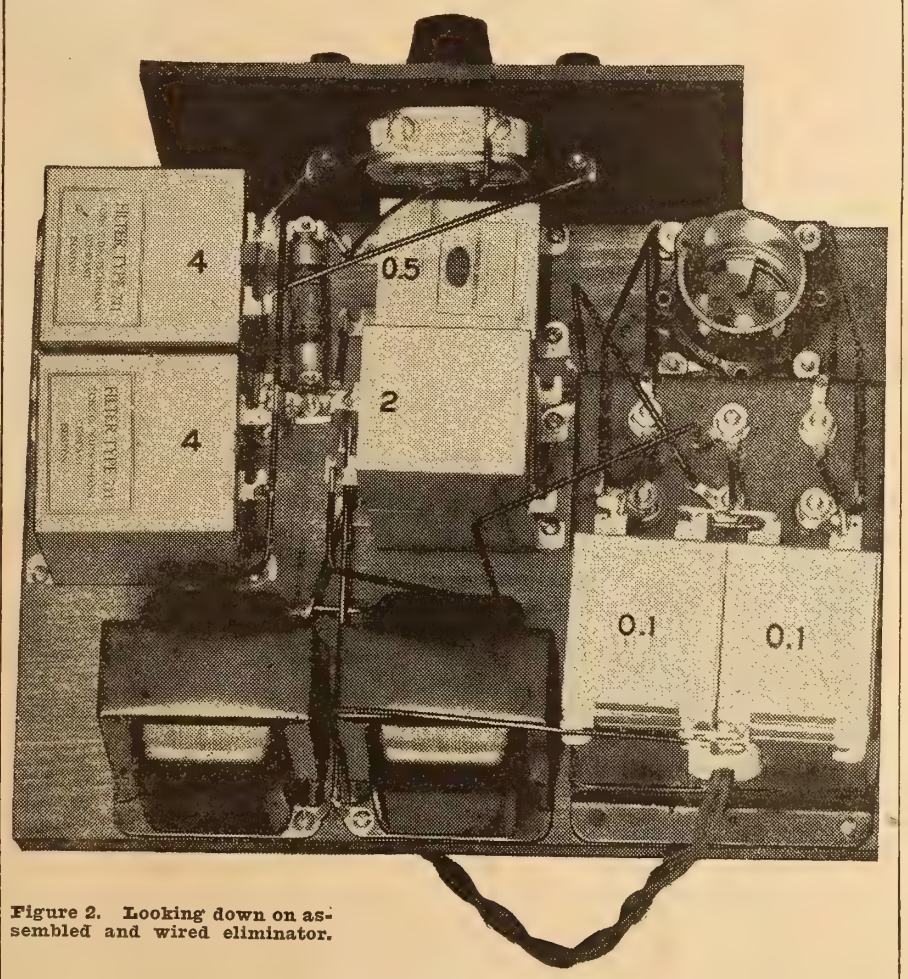


Figure 2. Looking down on assembled and wired eliminator.

The same connection scheme is followed between the upper pair of condensers and the front three binding posts, except that short leads will be necessary to reach from lugs on posts to lugs on condensers. Transformer can now be screwed down and the band or string removed. A soldering lug should be slipped on the screw holding front right corner of transformer. Now screw down the choke coils placing a soldering lug on rear right screw of the first, and rear left screw of second, adjusted so they touch.

The socket is screwed down with P and G terminals to the front. The extra soldering lug on each outer front transformer binding post is now turned to front and nut tightened. Connect front row outer left post to rear left post of socket and front row outer right post to rear right post on socket. The second soldering lug on each outer rear transformer binding post is now turned outward and nut tightened. A wire is put in from rear outer left post to front left post on socket and another from rear outer right post on transformer to front right post on socket.

The soldering lug on left terminal of first choke is to point upward and is connected, by wire going up and over, to front center post on transformer. The lower 2 mfd. condenser is now screwed down in center of board with terminals to right. A soldering lug is placed on the front mounting lug pointing toward transformer. Put in a wire from the rear connecting lug to the left post on second choke. The second 2 mfd. condenser is then placed on the first and a wire is put in from front lug of one down to front connecting lug of the other. The rear connecting lug of the upper one is then conected back to the left terminal of first choke. Connect the right terminal of first choke to left terminal of second. Now put in a wire, passing between the chokes, from the mounting screw soldering lugs at rear of chokes to the front terminal of the lower 2 mfd. condenser.

Then place the two 4 mfd. condensers in position with a soldering lug on the front left screw of the rear one and the rear left screw of the front one. These should touch. Run a wire up from right terminal of second choke to rear connection lug of rear condenser, then up and forward to front connection lug on front 4 mfd. condenser. The Daven mounting goes in next with two soldering lugs on the rear terminal. One should point to right and touch the two on the mounting screws of the 4 mfd. condensers while the other points to left to make contact with the front terminal on the lower 2 mfd. condenser. The .5 mfd. condenser is then set in place with terminals to the right and a soldering lug on the rear mounting screw pointing toward transformer. The mounting

(Continued on page 28)

Figure 1. Front view of completed Thordarson UX-213 B eliminator.

R. F. Heinrich, an artist of international reputation, created the exquisite panel decoration that lifts the new Crosley RFL sets into the realm of the truly beautiful—and makes them objects of art in addition to instruments of marked technical superiority.

Two RFL models, $60 and $75 without accessories

Add 10 per cent to all prices west of the Rockies

THE CROSLEY RADIO CORPORATION, Cincinnati, Ohio

CROSLEY·RADIO

BETTER · COSTS LESS

THORDARSON—UX-213 TUBE B UNIT

List of Parts

1 Thordarson Transformer R197	Thordarson Elec. Mfg. Co., Chicago	$ 7.00
2 Thordarson Choke Coils R196	Thordarson Elec. Mfg. Co., Chicago	10.00
2 Tobe 4 mfd. Condensers	Tobe Deutschmann Co., Boston, Mass.	7.50
2 Tobe 2 mfd. Condensers	Tobe Deutschmann Co., Boston, Mass.	3.50
4 Tobe .1 mfd. Condensers	Tobe Deutschmann Co., Boston, Mass.	2.80
1 Tobe .5 mfd. Condenser	Tobe Deutschmann Co., Boston, Mass.	.90
1 Cler-a-tone Tube Socket	Benjamin Elec. Mfg. Co., Chicago	1.00
1 Bradleyohm No. 10	Allen-Bradley Co., Milwaukee, Wis.	2.00
1 Bradleyunit 10,000 ohms	Allen-Bradley Co., Milwaukee, Wis.	.75
1 Daven Mounting No. 50	Daven Radio Corp., Newark, N. J.	.35
3 Ensign Binding Posts	H. H. Eby Mfg. Co., Philadelphia	.45
1 Baseboard 7¾" by 10¼"	Local lumber yard	.35
1 Piece bakelite 7" by 6" min.	Formica Insulation Co., Indianapolis	.75
1 Radiotron UX-213 tube	Radio Corp. of America, New York City	7.00
Miscellaneous, such as screws, wire, etc.		1.50
Total cost		$45.95

THORDARSON B POWER

(Continued from page 27)

screw soldering lug on the lower 2 mfd. condenser, on the .5 mfd. condenser and on the transformer can now all three be connected together.

A short wire is then put in connecting the rear connection lug on the .5 mfd. condenser with the rear terminal of the Daven mounting and the front terminal of the 2 mfd. condensers. Another wire connects from front terminal of the lower 2 mfd. condenser, across to left to the three soldering lugs on the case of the 2 mfd., the case of the .5 mfd. and the case of the transformer. From these three grouped soldering lugs run a wire straight up, and then back, to the center rear terminal of the transformer.

Connect the rear connection lug of front 4 mfd. condenser with the front connection lug of the rear 4 mfd. condenser and connect this last named point to the front lug on the upper 2 mfd. condenser. We now go to the back of the four .1 mfd. condensers on the transformer. The inner mounting lugs on the two upper condensers are connected together with a short piece of wire. Now put in a long piece from the grouped soldering lugs on the adjacent mounting screws of the chokes, up to, and soldered to, the inner mounting lugs on the two lower .1 mfd. condensers. A very short piece can now connect these two inner lugs of the lower two with the connected inner lugs of the upper two.

Connections to Panel

A wire is now bent to touch, at its lower end, the front connection lug on the .5 mfd. condenser and the front terminal on the Daven mounting touch the center panel binding post soldering lug, then around to upper side of the Bradleyohm to the left terminal. Now bend a wire so it will connect from the right terminal of the Bradleyohm down to the soldering lug on the right panel binding post, then across to the front connection lug on the front 4 mfd. condenser. The last wire to be put in goes from the rear connection lug of the front 4 mfd. condenser over to the left binding post in the row of three on panel.

If the above connections have been carefully followed the posts are negative B, plus detector and plus amplifiers, reading from left to right. The Bradleyohm adjusts the detector voltage smoothly and evenly over a wide range.

OLD DANCES WIN FAVOR

(Continued from page 26)

other than the manufacture of a universal gadster. With the collegians themselves joining in the movement, "back to normalcy with the dance," jazz seems to have received a severe kick in the corns.

Perhaps the next step will be a national contest for an Old-Time Fiddler's championship. Would the readers of Radio Digest like to see such a contest organized between leading broadcast stations? Let's have a vote on it.

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JUST OUT! New Wonder Radio! At Lowest Factory Prices.

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Receiving sets, from simplest kind to thousand mile receiver, included to help you learn. AN UNEQUALLED OFFER. Other special features for limited time only, so ACT QUICK!

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Photogravures of Your Favorite Artists

GALLERY of RADIO STARS

Suitable for Framing or Placing in Your Album

BY SPECIAL arrangement, Radio Digest is able to offer its readers a great opportunity to secure fine photogravures of their favorite Radio stars at practically no cost.

Radio fans will be able now, by this very special offer, to have pictures of their favorite artists and announcers before them when they listen in.

All that is necessary to secure photogravures from the Gallery of Radio Stars is to send the coupon published each week in Radio Digest, accompanied by ten cents to cover the cost of mailing and postage. Where a series of three photogravures is desired, it will only be necessary to send twenty-five cents and three consecutively numbered coupons clipped from Radio Digest. Remittance must accompany the coupon. Cash at your risk. Add 5 cents to personal checks for exchange.

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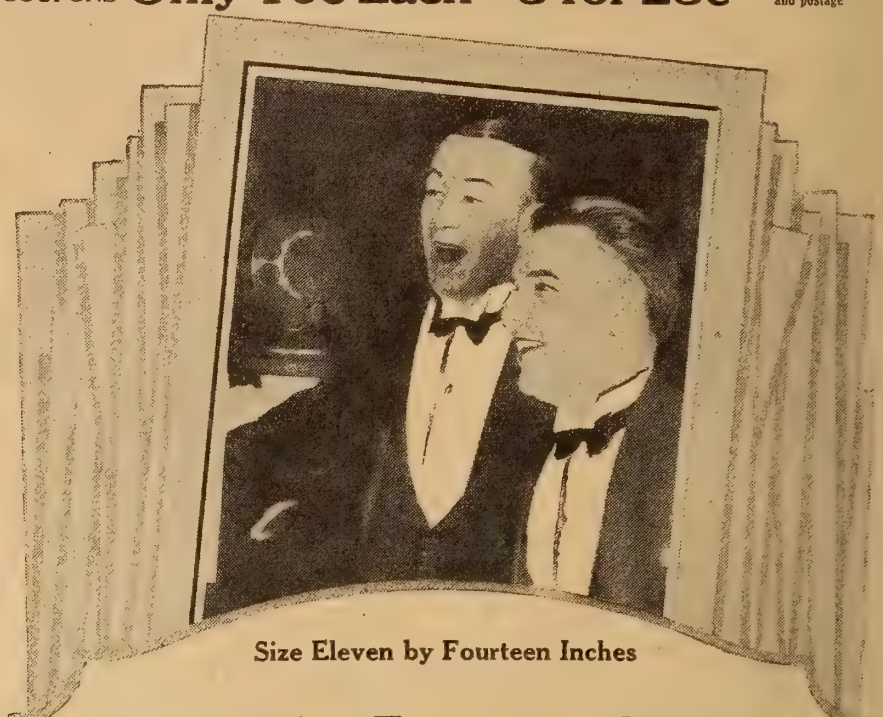

Size Eleven by Fourteen Inches

Select Your Favorites from the Gallery of Radio Stars

1 Wendell Hall, king of ukulele ditties
2 Graham McNamee, 1925 Gold Cup announcer
3 Jack Little, popular wandering balladist
4 Paul Small, who won fame through Radio
5 Coon-Sanders' "Nighthawks" at KYW
6 George Hay, 1924 Gold Cup announcer
7 Harmony Girls, Edith Carpenter, Grace Ingram
8 Ford and Glenn, Lullaby Boys of WLS
9 "Roxy" Rothafel of WEAF chain fame
10 The Hired Hand, famous "Substitute Announcer" of WBAP
11 Britt and Finch, popular songsters
12 Bob Emery, Big Brother of WEEI
13 "Bill" W. G. Hay, ex-KFKX, now of WLIB
14 Happiness Boys, jovial singers of WEAF
15 Lambdin Kay, "Little Colonel" of WSB
16 Leo Fitzpatrick, "Merry Old Chief," WJR
17 Henry Field, 1925 Gold Cup runner-up
18 Al Carney, organ favorite at WHT
19 Aunt Jane, ladies' adviser at WOC
20 Vincent Lopez, No. 1 Pennsylvania orchestra
21 E. L. Tyson, pleasing voice at WWJ
22 S. W. Barnett, ex-WOC, now WBAL
23 Art Gillham, "The Whispering Pianist"
24 Paul Greene, announcer at WSAI, "bridge voice"
25 Harry Ehrhart, "Dream Daddy" of WLIT
26 Correll and Gosden of "Kinky Kids Parade" fame, at WEBH and other stations.
27 Norman Brokenshire, popular at WRC, WJZ
28 Indiana Male Quartet, popular at WEBH
29 Jane Novak, Blues Singer of Twin Cities, WCCO
30 Jean Sargent, the original, now at WHT
31 Ralph Emerson, popular organist at WLS
32 Edna Adams, "Sweetheart of the Air" at KPRC
33 Pat Barnes, vaudeville announcer at WHT
34 R. V. Haller of KGW Hoot Owls fame
35 Henry L. Dixon, ukulele wizard of KYW
36 Quin Ryan, WGN's Uncle Walt and sports announcer
37 "Willie the Weeper," Ernest Rogers, WSB
38 Walter Wilson, "Uncle Bob" of KYW
39 Jack Chapman of Drake hotel repute
40 Ray-O-Vac Twins, known country-wide
41 Art Linick, KYW's Mrs. Schlagenhauer
42 Fred Hamm of WTAS, now WLIB, fame
43 Meyer Davis' Le Paradis orchestra of WRC
44 "Senator Schultz, WLW's illiterate comic
45 "Uncle John" Daggett of KHJ
46 D. R. P. Coats, 1925 Silver Cup announcer
47 Gene Rouse, WOAW's popular announcer
48 Freda Sanker, WKRC jazz orchestra director
49 Irish Ruth Pavey, KOA's invisible stage beauty
50 Queen Titania, star of KHJ Fairyland
51 Ipana Troubadours, on the WEAF Chain.

If your favorites are not in this list, send in a request to have them included in the Gallery of Radio Stars.

COUPON NO. 8

This coupon entitles the holder to one photogravure selected from the Radio Digest Gallery of Radio Stars when accompanied by ten cents to pay the cost of mailing and postage.

Three consecutively numbered coupons entitle the holder to three photogravures when accompanied by 25 cents. Remittance must accompany the coupon. Cash at your risk. Add 5 cents to personal checks for exchange.

Order by Number.....

Radio Digest Publishing Co., 510 N. Dearborn St., Chicago

Two-Tube Short Wave 15-130 Meter Receiver

Part I—The Parts Required

By John G. Ryan

SHORT WAVE RECEIVER
List of Parts

1 Short Wave Coil System	Aero Products, Inc., Chicago	$12.50
1 Karas Variable Condenser, .00014	Karas Electric Co., Chicago	6.50
1 Karas Variable Condenser, .00025	Karas Electric Co., Chicago	6.50
1 Karas Audio Transformer	Karas Electric Co., Chicago	7.00
2 Eby Cushion Sockets	H. H. Eby Mfg. Co., Philadelphia	1.20
4 Ensign Binding Posts	H. H. Eby Mfg. Co., Philadelphia	.60
1 Bradleystat	Allen-Bradley Co., Milwaukee	1.85
1 Leakandenser, 7 megohms	Daven Radio Corp., Newark, N. J.	1.00
1 Pair Brackets	Benjamin Elec. Mfg. Co., Chicago	.70
1 Amperite Unit, 1-A	The Radiall Co., New York City	1.10
2 Mar-co Dials, Nickel Plated	Martin-Copeland Co., Providence, R. I.	5.00
1 Formica Panel 7"x18"x3/16"	Formica Insulation Co., Indianapolis	3.15
1 Formica Panel 5¾ x17 x3/16	Formica Insulation Co., Indianapolis	2.05
Miscellaneous, such as screws, bus bar, solder lugs, etc.		2.00
Total cost		$51.15

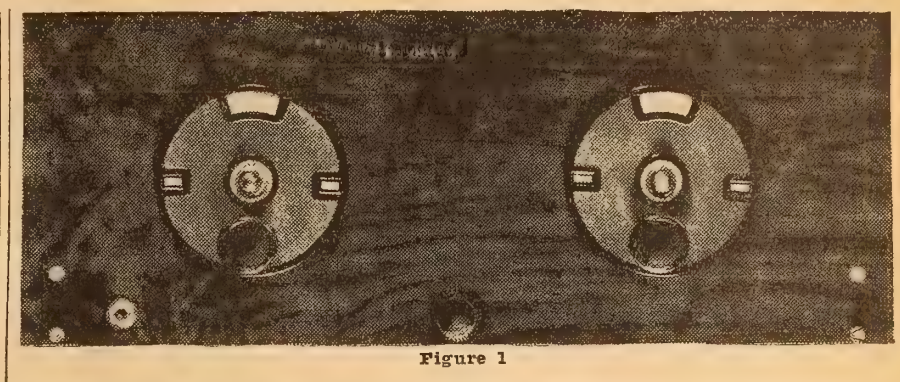

Figure 1

TO THE average broadcast listener, the voices of the air are confined to that territory bounded, at one end, by 200 meters, and at the other, by 550 meters. There we find the efforts at entertainment of over 600 broadcasters, some of them clear and sharp, others blurred and fuzzy with the overlap in carrier wave from other stations. Did it ever occur to you that in other wave length ranges below or above this band there might be other voices spreading out without interference and with far better carrying power than those you hear?

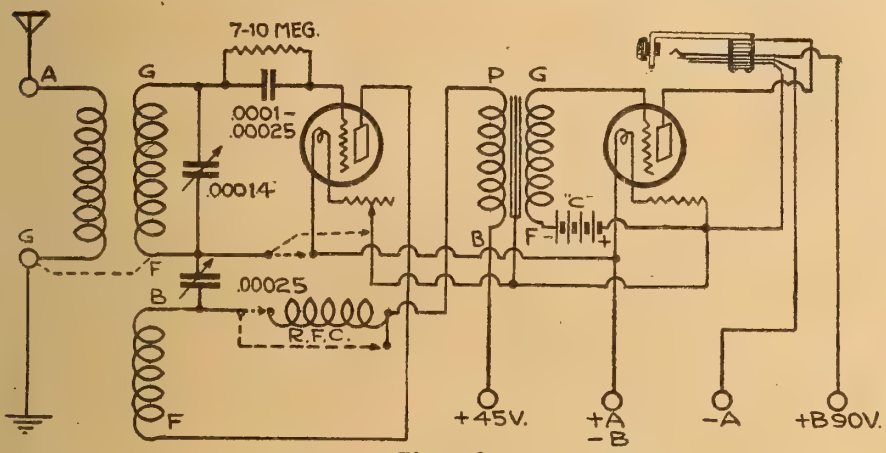

Figure 2

Below 200 meters there is an interesting land well worth exploring, full of voices in several languages including French, Spanish, code and "ham amateur." The harmonics of scores of broadcasters wander in this short wave territory, frequently coming through in much better shape than the fundamental it is intended one should receive. The mighty KDKA that one usually finds on 309.1 meters has an equally mighty twin brother on 64 meters that spreads out over the country in great shape. The well-known WGY that talks on 379.5 meters for your broadcast receiver has a whole family of brothers that are found on half a dozen waves between 15 meters and 105 meters. There is 2YT at Poldhu, Ireland, G2NM at London and LPZ at Buenos Aires.

Receiving these short wave stations is not quite the simple act that one might first think of, namely, putting different coils in your present set or different condensers. Smaller coils must be used, of course, and smaller capacity condensers, but, in addition, there must be a different circuit and a different arrangement of parts. The Radio amateurs, who are really responsible for most of Radio's progress, and who have been confined to these shorter waves for years, long since found that a regenerative circuit devised by Roy Weagant, now engineer for De Forest, best fitted their needs. The "hams," to use their own name for themselves, developed coils of their own, using all the forms of winding known such as Lorenze, spiderweb, honeycomb, diamond-weave, banked turns and spaced turns.

For those who do not care to wind their own, or do not know how, it was necessary for some manufacturer to develop an efficient inductance that could be made commercially, yet be sold at a reasonable price. Mr. F. J. Marco has developed for Aero Products a most excellent set of coils for use in the Weagant hook-up that are now available in all territories. This is really an interchangeable coil system which, with a variable condenser of .00014 mfd. capacity, will cover the range between 15 and 130 meters. A small base is provided on one end of which there is an adjustable primary. Into this base, by means of a clever plug-in arrangement, three different sets of secondaries and feedback coils are plugged.

Three Channels Bunched

It would be possible to design and construct a single coil that could be used with a variable condenser of correct size, which would operate over the range mentioned above but the tuning would be so critical and the three most popular channels would be so bunched together that the result would be very disappointing. It was decided to use plug-in coils so designed that there would be slight overlap in the ranges each would cover. As the set of coils is now made, there are 19 turns on the largest grid coil and, with the Karas .00014 mfd. condenser, it covers 57 to 133 meters. On the intermediate coil there are 8 turns to cover 31.5 to 68 meters and, on the smallest coil, there are 3 turns covering 15 to 33.5 meters. The plate coils have 6, 4 and 2 turns, respectively.

In order that the tuning sensitivity would be equally critical from end to end of the dial, no matter which coil was used, a straight line frequency condenser is to be used with this system and, naturally, it must be of rugged mechanical strength, with electrical losses as low as possible. The Karas construction meets all these requirements perfectly and the .00014 mfd. size is made especially for this work. In addition, there is required one of Karas standard .00025 mfd. condensers. The writer advises the use of

(Continued on page 30)

Gets Everything But Noise!

Read this convincing letter from a man who has "listened and marvelled":

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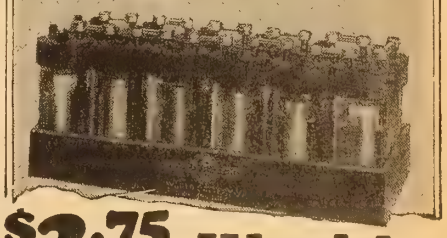

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OVER sixteen thousand readers of Radio Digest responded to our request to send in evidence of international Radio reception. To be exact, during the course of the week we received 15,332 letters and 1,462 telegrams asking verification of reception. All telegrams were promptly answered and we endeavored to reply to letters as quickly as possible. In many instances, however, readers did not give us sufficient information to enable our International Test department to determine definitely the stations received.

All communications are being acknowledged, and a staff of experts have been at work during the past ten days verifying reports of reception and preparing official verifications of international reception.

If your communication was not handled as promptly as you might expect, please be lenient with us and bear in mind that nearly seventeen thousand other readers responded to our request. If your evidence of reception justifies, an Official Certificate of International Reception will be mailed in due course.

SHORT WAVE RECEIVER

(Continued from page 29)

these, even though you may have others on hand, since the kit was designed by Marco especially for them and those you have may not meet the minimum and maximum capacity requirements. The audio transformer is a Karas also; it was one of the very first to come out with large primary and large iron core giving the improved, and now accepted standard, reproduction.

Spring Type Sockets

The sockets chosen are the new spring type made by H. H. Eby company and they are picked for three very good reasons. First, they have a three point wiping contact that gives a positive contact regardless of the prong diameter or amount of solder on the prong. Second, the tube floats, reducing microphonic noises in much the same way as the Benjamin socket. Third, you have a choice of three types of tubes possible since the UV-201A, the UX-201A or the UX-199 can be used in this socket. The UV-199 cannot be employed in these sockets. The binding posts also are Eby's, and a Minus A, Plus 45 and Plus 90 are used. The fourth is lettered Plus A and Minus B.

Detector filament voltage is regulated by a Bradleystat on the front panel, while the single stage amplifier voltage is governed by an Amperite. If your dealer has no Amperites, see if he hasn't Daven ballast resistors, which are similar. The grid leak and condenser specified are the Daven Leakandenser, the condenser being .00025 mfd. and the resistor part, 7 megohms. On this set the matter of grid leak and condenser values is very critical. To quote Marco, "The smallest capacity possible on the highest resistance leak should be used, providing howling can be avoided. The writer has used 20 micro-microfarads and 12 megohms to good advantage with an ordinary 201A tube, but such values usually cause the tube to snap into oscillation with a long drawn howl. . . . . You will usually end up with a positive grid return, about .0001 to .0002 mfd. grid condenser and a 7 to 10 megohm leak."

Try Different Resistances

The Daven Leakandensers come in several sizes, with 7 megohms as the likely size. If you wish to experiment further on this, however, connect a .0001 or .00015 mfd. fixed condenser across the clips under sub base and try different cartridges of straight resistance in the clips.

The choke coil may or may not prove necessary. The receiver pictured here works very well without a choke as the impedance of the primary of the Karas transformer seems sufficient to force the radio frequency current into the feedback coil, rather than permit it to pass through the transformer. If you find that such a choke is desirable it can be readily made. A wooden rod or cardboard tube from ¾ inch to 1 inch in diameter is wound with 200 turns of fine wire, preferably double silk covered of any size such as numbers 36, 38 or 40. On this model the choke was number 38.

(In this article, Mr. Ryan has covered the circuit and his choice of parts. Next week, the assembly and drilling will be covered as is usual with the Digest system of presentation.—Editor's Note.)

ADDRESSES WANTED

THE Technical Editor wishes the present addresses of the following readers: Mr. Charles Ackerman of Philadelphia, Mr. Fred Bradley of Ann Arbor, Mich., Mr. Robert Harrington of Dayton, Ohio, and Mr. Jack Lenox, somewhere on the Orpheum circuit. If you know any of the above please call this to their attention, or write the Technical Editor giving the information.

Hundreds of Recipes Mailed Each Week by Station WLW

CINCINNATI.—Mrs. Judith Anderson, expert dietician and culinary teacher, provides the Crosley WLW Radio listeners with excellent recipes every Wednesday at 3:30 p. m., Central time. Copies of her recipes are mailed to hundreds of women who send letters to her every week.

English Journalists Fight News Broadcasting System

LONDON, Eng.—The Institute of Journalists here has decided to make representation to the government committee inquiring into broadcasting that no further material extension of the system of broadcasting news should be sanctioned.

The institute has decided the essential supply of news to the public is adequately covered by the newspapers, and that the continuance and efficiency of the newspaper industry would be seriously affected by a general broadcast distribution of news.

Spliced wires should be soldered to insure a permanently good electrical contact.

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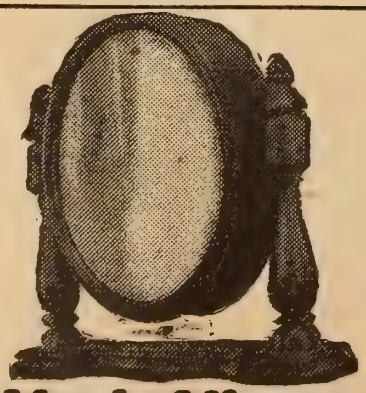

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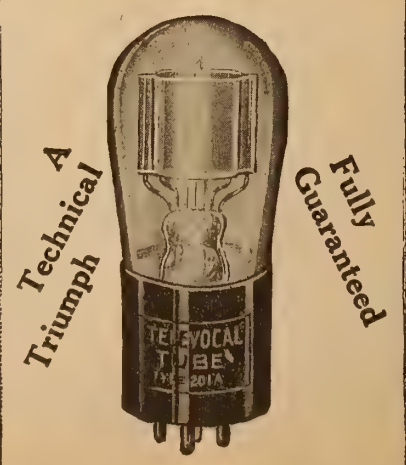

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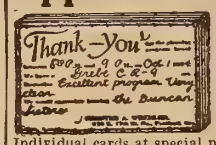

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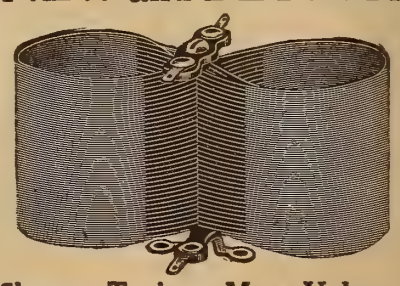

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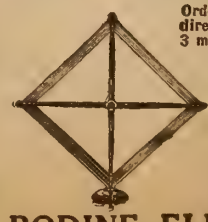

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Radiophone Broadcasting Stations

Corrected Every Week—Part II

FIND MISTAKES AND YOU'LL GET DOLLAR

ONE DOLLAR will be paid to the Radio fan reader of Radio Digest submitting the most errors in any one station's listing in the Directory of Radiophone Stations, which appears in six parts, serially continuously on the next to last page. Letters must reach Radio Digest's office not later than one week from date of issue corrected. Readers are not limited to correcting one station, but such corrections must be verified by the stations themselves, and NOT by comparison to other so-called accurate Radio directories or lists. Verifications must accompany corrections. Turn in corrections for as many stations as you can find—if you can find errors! Use separate sheet of paper for each station submitted and place name and address on each sheet. In case of tie, duplicate awards will be made.

(Note—The second part of the schedule list appears below. The first appeared last week.)

KNX, Hollywood, Calif. 336.9m-890kc. 500 watts. Los Angeles Evening Express. Announcer, "Town Crier." Daily ex Sun, 7:30 am, exercises; 8, prayer; 9, time; 9:05, news; 10, Town Crier; 10:30, economics; 1:30 pm, book talk; 2-4, 4:55, markets; 5, children's half-hour; 5:30, organ; 5:55, Town Tattler; 6:15, travel talk; 6:30, dinner music. Mon, Wed, Fri, 7-12 mid. Tues, Thurs, 7-11 pm. Sat, 7-2 am. Sun, 10-12:30 pm. church service; 12:45-1:45, 2-4, 6::30-7, 8-9, 9-10:30. Pacific.

KOA, Denver, Colo. 322.4m-930kc. 5,000 watts. General Elec. Co. Daily ex. Sun, 11:45 am, weather, road reports, markets; Daily ex Sat, Sun, produce. Daily ex Sun, 12:15 pm, organ. Tues, Thurs, Fri, 3:15 pm, relaxing exercises, matinee for housewives, culinary hints, fashion review. Daily ex Sat, Sun, 6 pm, stocks, markets, produce, news bulletins; 6:30 pm, dinner concert. Mon, 7:30 pm, Sandman's hour. Tues, farm question box. Wed, Book of Knowledge. Thurs, dinner concert. Fri, Sunday school lesson. Mon, 8 pm, Spanish lesson; 9 pm, vocal lesson. Wed, Fri, 8 pm, orchestra; 8:15 pm, regular program. Wed, 10 pm, dance program. Sat, 9 pm. Sun, 10:30 am, and 7:30 pm, service; 4 pm, music. Mountain.

KOAC, Corvallis, Ore. 280.2m-1070kc. 500 watts. Oregon Agricultural College.

KOB, State College, N. M. 348.6m-860kc. 1,000 watts. N. M. College of Agri. & Mech. Arts. Announcer, Robert Stewart. Slogan, "The Sunshine State of America." Daily 11:55-12:30 pm, time, weather, road reports, news; 9:55-10:10, time; weather, road reports. Mon, Fri, 7:30-8:30 pm. Mountain.

KOCH, Omaha, Nebr. 258.5m-1160kc. 250 watts. Central H. S. Announcer, Norwood Woerner. Mon, Tues, Thurs, 7:30-9 pm. Sat, 12 noon. Sun, 3:30 pm. Central.

KOCW, Chickasha, Okla. 252m-1190kc. 200 watts. Okla. College for Women. Tues, Thurs, 8 pm, music. Wed, 10 am, chapel. Central.

KOIL, Council Bluffs, Iowa. 277.6m-1080kc. 500 watts. Mona Motor Oil Co. Announcer, Howard Martin. Mon, 6-12 mid. Tues, Thurs, Fri, 6-9 pm; 11-12. Wed, 6-7:15 pm. Sat, 5-9 pm; 11-1 am. Sun, 11-12 noon; 1-2 pm, 7-9, 11-12. Central.

KPO, San Francisco, Calif. 428.3m-700kc. 1,000 watts. Hale Bros., and the Chronicle. Announcer, Clair E. Morrison. Slogan, "The City by the Golden Gate." Daily ex Sun, 7-7:30 am, 8 daily dozen; 10:30 am, amusement service; 12 noon, time, scriptures. Daily ex Sun, Fri, 1-7:30, music, markets. Mon, Tues, Wed, Thurs, Fri, 8-11 pm, entertainment. Tues, Thurs, 10 am, household hour. Tues, Wed, Thurs, 10:35 am, markets. Wed, 3:30 pm, style talk. Fri, 12:45 pm, luncheon; 5:30-7:30 pm. Sat, 8-12 midnight. Sun, 9:45 am, service; 5-6 pm, organ; 6-6:30, orchestra; 6:35-10, music. Pacific.

KPPC, Pasadena, Calif. 228.9m-1310kc. 50 watts. Pasadena Presbyterian church. Announcer, G. Anton Pohlman. Wed, 7:30-9 pm; Sun, 10:30-12:30 pm; 6:45-9. Pacific.

KPRC, Houston, Texas. 296.9m-1010kc. 750 watts. Houston Post-Dispatch. Slogan, "Kotton Port Rail Center." Announcer, Alfred P. Daniel. Daily ex Sun, 10:55 am, time; 11, weather; 12 noon, entertainment. Daily ex Sat, Sun, Fri, 5:30 pm, Uncle Judd's Kiddies' hour; 7:30-9:30, concert. Sat, Wed, 11-12 midnight. Sun, 10:45 am, 8 pm, services; 10-11 pm, music. Central.

KPSN, Pasadena, Calif. 315.6m-950kc. 1,000 watts. Pasadena Star-News. Tues, Thurs, 8-9 pm. Sat, 8-9 pm. 9-10. Sun, 11-12:30 am; 6:45-8:45; 8:45-9:45. Pacific.

KQP, Portland, Ore. 230.6m-1300kc. 500 watts. H. B. Read Incorp. Announcer, H. B. Read. Slogan, "Hood River Apples from Portland, Ore." Daily ex Sun, 5:30-6 pm. Mon, Wed, Thurs, Fri, 8-9 pm. Sun, 9-10 pm. Pacific.

KQV, Pittsburgh, Pa. 275.1m-1090kc. 500 watts. Doubleday-Hill Elec. Co. Daily ex Sat, Sun, 10:30 am, music; 11, 3, music. Eastern.

KQW, San Jose, Calif. 230.6m-1300kc. 500 watts. First Baptist church.

KRE, Berkeley, Calif. 256.3m-1170kc. 150 watts. Daily Gazette. Announcer, Harrold Kirby. Daily ex Sun, 7:30 am, 11:15, 7 pm. Mon, 8-10 pm. Tues, 9-11 pm. Wed, 5-6 pm, Kiddies' hour; 9-12, dance program. Thurs, 8-10 pm, 10-11. Fri, 9-12 midnight. Sat, 8-1 am, dance program. Sun, 10-11 am, church; 6:30-7:30 pm; 8-9, 9-10. Pacific.

KSAC, Manhattan, Kan. 340.7m-880kc. 500 watts. Kansas State Agricultural College. Announcer, George Gemmell. Daily ex Sat, Sun, 9-10 am, 9:55, 12:35 pm, 4:30, 6:30. Sat, 12:35 pm. Central.

KSD, St. Louis, Mo. 545.1m-550kc. 500 watts. St. Louis Post-Dispatch. Daily ex Sun, 9:40 am, 10:40, 11:40, 12:40 pm, 1:40, 2:40, 3:40. Mon, 7 pm, 7:30, 9, 10, 10:30, 11. Tues, 6:55 pm, 7, 8, 9, 10. Wed 7 pm, 8. Fri, 7 pm, 7:30, 8, 9, 10. Sat, 7 pm, 8:30, 9:30. Thurs, 4 pm, 6:55-10. Sun, 6:15 pm, 8:15. Central.

KSL, Salt Lake City, Utah. 299.8m-1000kc. 1,000 watts. Radio Service Corp. of Utah. Announcer, Charles H. Hays. Mon, Wed, Fri, 7-11 pm. Tues, Thurs, Sat, 7:30-11 pm. Sun, 3-10 pm. Mountain.

KSO, Clarinda, Iowa. 241.8m-1240kc. 500 watts. A. A. Berry Seed Co. Announcer, Joe Fassen. Slogan, "Keep Serving Others." Daily ex Sat, Sun, 7-9 pm. Central.

KTAB, Oakland, Calif. 239.9m-1250kc. 1,000 watts. Tenth Ave. Baptist church. Daily ex Sun, 9-9:30 am, prayer service; 12-1 pm. Mon, Tues, Thurs, Fri, 8-10 pm. Wed, 9-10:30 pm. Sun, 10 am, 11; 7:45 pm, 9:30-11. Pacific.

KTBI, Los Angeles, Calif. 293.9m-1020kc. 750 watts. Bible Inst. of Los Angeles. Announcer, M. E. Carrier. Mon, 8-9:30 pm. Tues, Wed, Thurs, 8-9 pm. Fri, 7-9 pm. Sun, 10:45-12:30 pm, 6-6:45, 7:15-9:30, church services. Pacific.

KTBR, Portland, Ore. 263m-1140kc. 50 watts. Brown's Radio Shop. Pacific.

KTCL, Seattle, Wash. 305.9m-980kc. 1,000 watts. KTCL Broadcasting Co. "Know the Charmed Land." Tues, 7-8 pm, 8-9. Wed, 8-9 pm, 9-10. Fri, 7-8 pm, 9-10, 10:15-12. Sun, 1-2 pm, 9:10-10:10, church service. Pacific.

KTHS, Hot Springs National Park, Ark. 374.8m-800kc. 750 watts. The New Arlington hotel. Announcer, G. C. Arnoux. Slogan, "Kum to Hot Springs." Mon, Wed, Thurs, 12:30-1 pm, markets, weather, music. Fri, 12:30-1:30 pm, Farmers' Radio Chautauqua. Sat, 12:30-1:20 pm, boy's talk, Bible class, music, weather, markets. Daily, 9-11 pm, concerts. Sun, 11-12:15 pm, church services; 9-10 pm, classics; 10-11:30 pm, Arkansas Traveler frolic. Mountain.

KTNT, Muscatine, Iowa 256m-1170kc. 500 watts. Norman Baker. Daily ex Sun, Sat, 8:30-10 pm. Sun, 9-10 pm. Mon, Wed, Fri, 7:30-8 pm. Central.

KTW, Seattle, Wash. 454.3m-660kc). 1,000 watts. First Presbyterian church. Announcer, J. G. Priestly. Slogan, "Hear Ye, Hear Ye, the Gospel." Sun, 11-12:30 pm, 3-4:30, 7-9:30, church service. Pacific.

KUO, San Francisco, Calif. 249.9m-1200kc. 150 watts. San Francisco Examiner. Slogan, "The Voice of the West." Limited marine service.

KUOM, Missoula, Mont. 243.8m-1230kc. 500 watts. University of Montana. Mon, Thurs, 8 pm. Sun, 9:15 pm. Mountain.

KUSD, Vermillion, S. D. 277.6m-1080kc. 100 watts. University of South Dakota. Announcer, Sidney Lawton. Slogan, "South Dakota University for South Dakotans." Wed, 8-9:30 pm. Central.

KUT, Austin, Texas. 230.6m-1300kc. 500 watts. University of Texas.

KVOO, Bristow, Okla. 374.8m-800kc. 500 watts. Slogan, "Voice of Oklahoma."

KWCR, Cedar Rapids, Iowa. 277.6m-1080kc. 500 watts. Announcer, H. F. Paar. Slogan, "The Voice of Cedar Rapids. Mon, Wed, Fri, 4-5 pm, 8:30-10:30. Sun, 11 am, 5 pm, church service. Central.

KWG, Stockton, Calif. 247.8m-1210kc. 50 watts. Portable Wireless Telephone Co. Announcer, Paul C. Schulz. Slogan, "Voice of the San Joaquin Valley." Daily ex Sun, 4-5 pm, news, concert, markets. Tues and Fri, 8-9 pm, concert. Sun, 2-3 pm, concert. Pacific.

KWKC, Kansas City, Mo. 236.1m-1270kc. 100 watts. Wilson Duncan studio. Slogan, "Keep Watching Kansas City." Tues, Wed, Thurs, Fri, 7 pm, 9:15. Central.

KWKH, Shreveport, La. 260.1m-1150kc. 500 watts. W. G. Patterson, Henderson Iron Works & Supply Co. Announcer, W. G. Patterson. Mon, 8-9:30 pm, music. Tues, Sat, 9-12 midnight. Thurs, 8-9:30 pm. Sat, 9-12, dance. Sun, 9:30-10:30 am, music; 11-12 m, 5-6 pm, 7:30-9. Central.

KWSC, Pullman, Wash. 348.6m-860kc. 500 watts. State College of Washington. Announcer, Phil Hitchcock. Mon, Wed, Fri, 7:30-9 pm, music. Pacific.

KWUC, Le Mars, Iowa. 252m-1190kc. 50 watts. Western Union College. Announcer, D. O. Kime. Slogan, "Voice of Western Union College." Thurs, 10:40 am. Fri, 10 pm. Sun, 4 pm. Central.

KWWG, Brownsville, Texas. 277.6m-1080kc. 500 watts. Brownsville Municipal Broadcasting Station. Slogan, "Kum to the World's Winter Garden." Daily ex Sun, 12 m, 6 pm. Mon, Thurs, 8:30-11:59 pm. Sun, 2:30 pm. Central.

KYW, Chicago, Ill. 535.4m-560kc. 3,500 watts. Westinghouse Elec. & Mfg. Co. Announcer, Edward Borroff. Daily ex Sun, Sat, 5:30 am, exercises; 6:30, church; 10:55-11, time; 10, markets; 10:35, table talk; 11, weather; 12:30 pm, reports; 1:15, reports; 5:02-5:18, markets; 9:55-10, time. Tues, Wed, Thurs, Fri, 5:35 pm, children's hour; 6-6:30, dinner. Tues, 9:30 am, farm hour; 7-8:15 pm, 9-10:30. Tues, Wed, Thurs, Sat, 1 pm, motor club, talks. Mon, 1:30 pm, markets. Tues, Thurs, 1:35-3 pm, frolic. Wed, 6:33 pm, 6:45; 7-9, 9-11:30. Thurs, 9:30 am, 6:30-6:50 pm, farm bureau; 7-8:15, 8:20, talk; 9-10:30. Fri, 7-7:30 pm, 9-11:30. Sat, 5:30 am, 6:30, 8:30, 10:35, 11, 12:30 pm, 1, 1:15, 1:35-3, 5:02-5:18, 6-6:30, 7-8, 8:35-10:30. Sun, 10 am, 3-4 pm. World Crier every half hour. Central.

KZKZ, Manila, P. I. 272.6m-1100kc. 500 watts. Radio Corporation of the Philippines.

KZM, Oakland, Calif. 241.8m-1240kc. 100 watts. Western Radio Institute (Hotel Oakland). Announcer, Elbert Cowan. Daily ex Sun, 6-7 pm, orchestra. Pacific.

KZRQ, Manila, P. I. 374.8m-800kc. 500 watts. Radio Corporation of the Philippines. Slogan, "Radio Manila."

KZUY, Baguio, P. I. 360m-833kc. 500 watts. F. Johnson slser.

NAA, Radio, Va. 434.5m-690kc. 1,000 watts. United States Navy Dept. Daily ex Sun, 10:05-10:20 am, 3:45-4 pm, 10:05-10:20. Tues, 7:30 pm. Wed, 7:25-7:40 pm, civil service lecture. Mon, 7:45-8 pm, lecture, War Dept. Tues, Thurs, 7:45-8 pm, Dept. of Commerce. Fri, 7:45-8 pm, Treasury Dept.

WAAB, New Orleans, La. 272.6m-1100kc. 100 watts. Valdemar Jensen. Sun, 2-4 pm. Central.

WAAD, Cincinnati, Ohio. 258.5m-1160kc. 25 watts. Ohio Mechanics Institute. No regular schedule.

WAAF, Chicago, Ill. 277.6m-1080kc. 200 watts. Chicago Daily Drovers Journal. Announcer, Carl Ulrich. Daily ex Sun, 8:45 am, 10:50, 11, 12:50 pm. Daily ex Sun, Sat, 3 pm, 4:30, live stock and weather reports. Central.

WBPI, Newark, N. J. 263m-11140kc. 500 watts. Warner Theater. Announcer, H. E. Beaver. Daily ex Thurs, Sun, 6-11 pm. Eastern.

WAAW, Omaha, Nebr. 384.4m-780kc. 500 watts. Omaha Grain Exchange. Slogan, "Where Agriculture Accumulates Wealth." Daily ex Sun, 9:30 am, 9:45, 10:15, 10:45, 11:15, 11:45, 12:15 pm, 12:45, 1:15, markets; 8-8:30 pm, marketgrams talk. Central.

WABC, Asheville, N. C. 254.1m-1180kc. 20 watts. Asheville Battery Co., Inc.

WABI, Bangor, Me. 239.9m-1250kc. 100 watts. First Universalist church.

WABO, Rochester, N. Y. 277.6m-1080kc. 100 watts. Lake Avenue Baptist church. Announcer, Morse Clark. Sun, 10:15-12 noon, 7:15-9 pm. Eastern.

WABQ, Haverford, Pa. 260.7m-1150kc. 750 watts. Haverford College Radio club. Announcer, William S. Halstead. Mon, Fri, 11-12:30 am, organ. Fri, 9-10 pm, lectures. Eastern.

WABR, Toledo, Ohio. 263m-1140kc. 50 watts. Scott High School.

WABW, Wooster, Ohio. 206.8m-1450kc. 50 watts. The College of Wooster, Dept. of Physics. Announcer, Frank C. Isely. Irregular schedule.

WABX, Mt. Clemens, Mich. 245.8m-1220kc. 500 watts. Henry B. Joy.

WABY, Philadelphia, Pa. 241.8m-1240kc. 50 watts. John Magaldi, Jr. Slogan, "Quaker City Sleep Dodgers." Club, "The American Broadcasting Club." Sun, 9 pm, music; 10:30, "Sleep Dodgers' Session." Eastern.

WABZ, New Orleans, La. 275.1m-1090kc. 50 watts. The Coliseum Place Baptist church. Announcer, V. W. Bradbury. Slogan, "The Station with a Message." Sun, 11-12:15 pm, 7:30-8:45, church service. Central.

WADC, Akron, Ohio. 258.5m-1160kc. 500 watts. Allen Theater Broadcasting station. Mon, 8:15-12 midnight. Wed, 7:15-11 pm, 12-1. Tues, Wed, Thurs, Fri, 12 noon. Eastern.

WAFD, Port Huron, Mich. 275.1m-1090kc. 500 watts. Albert B. Parfet Co. Announcer, Stanley G. Smith. Slogan, "Gateway to the Great Lakes." Mon, Wed, 9-11 pm. Sat, 11-1 am. Sun, 10-11:30 am, 7:30 pm. Eastern.

WAGM, Royal Oak, Mich. 225.4m-1330kc. 50 watts. Robert L. Miller. Mon, 8-12:30 am. Wed, Fri, 8-10:30 pm. Central.

WAHG, Richmond Hill, N. Y. 315.6m-950kc. 500 watts. A. H. Grebe & Co. Slogan, "Wait and Hear Grebe." Daily ex Sun, 12:30-1:15 pm. Mon, Wed, Fri, 7:30-11:30 pm. Sat, 12-2 am. Eastern.

WAIT, Taunton, Mass. 228.9m-1310kc. 10 watts. A. H. Waite & Co., Inc.

WAIU, Columbus, Ohio. 293.9m-1020kc. American Insurance Union. Announcer, Roy Snouffer. Daily ex Sun, Sat, 10-11 am, 3-4 pm, 6-7. Mon, Fri, 8-9:30 pm. Sun, 3-4 pm, vespers. Sat, 9-11 pm. Eastern.

WAMD, Minneapolis, Minn. 243.8m-1230kc. 1,000 watts. Hubbard Co. Hotel Radisson. Slogan, "The Voice of the Great Northwest." Daily ex Sun, 12-1 pm, organ; 6-7, orchestra; 7-8, popular farm hour; 9-10, popular program; 11-12:30, Skyrocket frolic. Sun, 7, program. Central.

WAPI, Auburn, Ala. 247.8m-1210kc. 500 watts. Alabama Polytechnic Institute.

WBAA, W. Lafayette, Ind. 272.6m-1100kc. 250 watts. Purdue university. Daily ex Sun, 9:50 am, stocks, markets, weather. Mon, Fri, 7:15 pm, special program. Central.

WBAK, Harrisburg, Pa. 275.1m-1090kc. 500 watts. Pennsylvania State Police. Announcer, A. E. Poorman. Daily ex Sun, 10 am, 1 pm, 5:45, police reports, fire protection, markets; 12 midnight, police reports. Mon, Tues, Wed, 7:30 pm, special. Eastern.

WBAL, Baltimore, Md. 245.8m-1220kc. 1,000 watts. Consolidated Gas, Elec. Light & Power Co. Daily ex Wed, Sat, 6:30-7:30 pm. Mon, 6-6:30 pm; 7:30-8; 8-10. Tues, 7:30-8 pm, 8-9. Thurs, 6-6:30 pm; 7:30-8, 8-10. Fri, 7:30-8 pm, 8-9. Eastern.

WBAO, Decatur, Ill. 270.1m-1110kc. 100 watts. James Millikin University. University activities. No definite schedule.

WBAP, Fort Worth, Tex. 475.9m-630kc. 1,500 watts. Fort Worth Star-Telegram. Announcer, "The Hired Hand." Club, "Radio Truth League." Daily ex Sun, 10, 11, 12 m, 1 pm, 2, market reports, weather; 4, "Port of Missing Men." Mon, Tues, Thurs, Fri, Sat, 12:05-12:30 pm, 7:30-8:30, 9:30-11, concert. Mon, Thurs, Fri, 11-12 midnight. Sun, 11 am, church; 4 pm, concert; 9:30-12. Central.

WBAR, Sisiht, Wis. 270.1m-1110kc. 500 watts. Kopp Radio Co. Slogan, "The Station of Northern Wisconsin." Mon, 9-10 pm. Wed, 8-9 pm. Thurs, 7:30-8:30. Sun, 10-11 pm. Central.

WBAX, Wilkes-Barre, Pa. 256.3m-1170kc. 100 watts. John H. Stenger, Jr. Slogan, "In Wyoming Valley, Home of the Anthracite."

WBBL, Richmond, Va. 228.9m-1310kc. 100 watts. Grace Covenant Presbyterian church. Announcer, Herbert C. Taylor. Tues, 8 pm. Sun, 11 am, 7:45 pm. Eastern.

WBBM, Chicago, Ill. 225.4m-1330kc. 1,500 watts. Atlas Investment Co. Slogan, "World's Best Broadcast Medium." Daily and Sun, 4-6 pm. Mon, 6-7 pm. Tues, Thurs, Sat, 8-12 midnight. Wed, Fri, Sat, 12-2 am. Sun, 8-10 pm, 12-3 am. Central.

WBBP, Petoskey, Mich. 238m-1260kc. 200 watts. Petoskey High School. Announcer, Carl Bowman. Tues, 9-10:30 pm. Fri, 8-9:30 pm. Sun, 10:30 am, church services; 3 pm, sacred concert. Central.

WBBR, Staten Island, N. Y. City, N. Y. 272.6m-1100kc. 500 watts. International Bible Students' Association. Mon, Thurs, Sat, 8-9 pm, lectures, music. Sun, 10-12 m, 2-4 pm, 9-10:30. Eastern.

WBBS, New Orleans, La. 252m-1190kc. 50 watts. First Baptist church. Slogan, "The Gospel Wave." Sun, 11 am, 7:30 pm, service. Central.

WBBW, Norfolk, Va. 222.1m-1350kc. 50 watts. Ruffner Junior High School. Announcer, Lee M. Klinefelter. Slogan, "The School You'd Like to Go To." Mon, 6:45-7:15 pm. Wed, 10:30-11:15 am. Thurs, 9:30-10:30 pm. Eastern.

WBBY, Charleston, S. C. 267.7m-1120kc. 10 watts. Washington Light Infantry. Announcer, Hugh Easterly. Eastern.

WBBZ, Chicago, Ill. 215.7m-1390kc. 50 watts. C. L. Carrell.

WBCN, Chicago, Ill. 225.4m-1330kc. 500 watts. Southtown Economist. Announcer, Harry A. Zook, Jr. Slogan, "World's Best Community Newspaper." Daily ex Sun, 5-5:15 pm, police. Daily ex Sun, Mon, 7-8 pm. Mon, Wed, Sat, 3-5 pm. Tues, 10-12 midnight; 12-2:30 am, pirate ship. Wed, Fri, Sat, 10-12 midnight. Thurs, 10-1 am. Sun, 10:30-12:15 pm, church service; 4-6 pm, 7:45-9:15 pm, church service. Central.

WBDC, Grand Rapids, Mich. 256.3m-1170kc. 500 watts. Baxter Laundry and Dry Cleaning Co. Announcer, Richard Smith.

WBES, Takoma Park, Md. 222.1m-1350kc. 100 watts. Bliss Elec. School. Fri, 6-7 pm. Eastern.

WBNY, New York, N. Y. 209.7m-1430kc. 500 watts. Warner's Theater. Announcer, S. N. Baruch. Daily ex Sun, 4-5 pm, 7-10. Eastern.

WBOQ, Richmond Hill, N. Y. 236.1m-1270kc. 100 watts. A. H. Grebe & Co., Inc.

WBRC, Birmingham, Ala. 247.8m-1210kc. 50 watts. Bell Radio Corporation. Mon, Wed, 8 pm. Sat, 9-12 midnight. Central.

WBRE, Wilkes-Barre, Pa. 230.6m-1300kc. 100 watts. Baltimore Radio Exchange. Wed, Fri, Sun, 8:30-11:30 pm. Eastern.

WBT, Charlotte, N. C. 275.1m-1090kc. 250 watts. Charlotte Chamber of Commerce.

WBZ, Springfield, Mass. 333.1m-900kc. 2,000 watts. Westinghouse Elec. & Mfg. Co. Announcer, A. E. Bach. Daily ex Sun, 6-8 pm, music, markets; 8-10:15, music. Sun, 8 pm, organ; 8:30, concert. Eastern.

WCAC, Storrs, Conn. 275.1m-1090kc. 500 watts. Connecticut Agricultural College. Announcer, Daniel E. Noble. Slogan, "From the Nutmeg State." Mon, Wed, Fri, 7:20-8:30 pm. Eastern.

WCAD, Canton, N. Y. 263m-1140kc. 250 watts. St. Lawrence University. Announcer, Ward C. Priest. Slogan, "The Voice of the North Country." Daily, 11 am, weather, reports, time. Thurs, 7:30-12 m, from WGY on 1,560 meters. Wed, 8 pm. Eastern.

WCAE, Pittsburgh, Pa. 461.3m-650kc. 500 watts. Kaufman & Baer Co., Pittsburgh Press. Announcer, Joseph Sartory. Daily ex Sun, 12:30 pm, news; 4:30, reports; 6:30, music; 7:30, Sunshine Girl. Mon, 7:45 pm, police reports; 8:30, 9, 11. Tues, 7:45 pm, 8, 8:30, 9, 10, 11. Wed, 7:45 pm, 8:30, 9. Thurs, 8 pm, 9, 10. Fri, 7:50 pm, 8:30, 10. Sat, 7:45 pm, 8, 8:15, 8:30. Sun, 10:45 am, 3:45 pm, 6:30, 7:20, 9:15. Eastern.

WCAJ, University Place, Nebr. 254.1m-1180kc. 500 watts. Nebraska Wesleyan University. Announcer, J. C. Jensen. Daily, 4:30 pm, weather, news. Wed, 9 pm. Thurs, 5 pm. Central.

WCAL, Northfield, Minn. 336.9m-890kc. 500 watts. Dept. of Physics, St. Olaf College. Announcer, Hector Skifter. Slogan, "The College on the Hill." Daily ex Sun, Thurs, 9:45 am, chapel. Mon, Fri, 8:30 pm. Thurs, 9 pm, music. Sun, 8:30 am, sermon, music; 9:15 pm. Central.

WCAO, Baltimore, Md. 275.1m-1090kc. 100 watts. Albert A. and A. Stanley Brager. Announcer, R. E. Brunner. Slogan, "The People's Store." Mon, Wed, Fri, 6:30-8 pm, dinner music; 8-9:30, 9:30-11. Eastern.

WCAP, Washington, D. C. 468.5m-640kc. 500 watts. Chesapeake & Potomac Tel. Co. Announcer, O. P. Gascoigne. Mon, 7-11:30 pm. Wed, 6-11 pm. Fri, 6-12 pm. Sun, 11 am, 4 pm, 6:20, vespers; 7:20-10:15. Eastern.

WCAR, San Antonio, Tex. 263m-1140kc. 500 watts. Southern Radio Corporation of Texas. Announcer, L. Tatom. Club, "Royal Order of Prevaricators." Mon, Thurs, Sat, 8:30-9:30 pm, concert. Wed, Sat, 11 pm. Central.

WCAT, Rapid City, S. D. 239.9m-1250kc. 50 watts. South Dakota State School of Mines. Announcer, J. O. Kammerman. Daily ex Sun, 9:30 am, 12:30 pm, weather, reports. Thurs, 7:30 pm, concert. Mountain.

WCAU, Philadelphia, Pa. 277.6m-1080kc. 500 watts. Universal Broadcasting Co. Announcer, Stan Lee. Slogan, "Where Cheer Awaits U." Mon, 8-12 pm. Tues, 6:45-12 midnight. Wed, 6:45-1 am. Thurs, 6:30-12 midnight. Fri, 7:45-12:30 am. Sun, 5-9:30 pm. Eastern.

WCAX, Burlington, Vt. 252m-1190kc. 100 watts. University of Vermont. Slogan, "The Voice of the Green Mountains." Mon, 8-9:30 pm. Closed after August 16 for rest of summer. Eastern.

WCBA, Allentown, Pa. 254.1m-1180kc. 15 watts. Queen City Radio station. Wed, 8:15-11 pm. Fri, 6:45-7:45 pm, bedtime stories, Bible lessons. Sat, 9:30-11 pm, dance music. Sun, 10 am, 5:30 pm, 7, church service. Eastern.

WCBD, Zion, Ill. 344.6m-870kc. 5,000 watts. Wilbur Glenn Voliva. Announcer, J. H. DePew. Slogan, "Where God Rules, Man Prospers." Tues, Thurs, 8-10:30 pm, concert. Wed, 12:30-1 pm, organ. Thurs, 2:30-3:45 pm, service. Sun, 9-10:45 am, Bible school; 2:30-6 pm, church services; 8-10:30 pm. Central.

WCBE, New Orleans, La. 263m-1140kc. 5 watts. Uhalt Brothers Radio Co. Announcer, Joe Uhalt. Slogan, "Second Port U. S. A." Daily ex Sun, 10:30-11:30 am. Daily, 7:30-8:30 pm, dance. Sun, 12:30-2 pm, dinner concert; 9, dance music. Central.

WCBH, Oxford, Miss. 241.8m-1240kc. 50 watts. University of Mississippi. Announcer, W. L. Kennon. Tues, Fri, 6:30 pm. Central.

WCBM, Baltimore, Md. 228.9m-1310kc. 50 watts. Hotel Chateau. Announcer, Harry J. Dobe. Mon, 10-1 am. Thurs, 10-1 am. Sun, 9:45-11:30 pm. Eastern.

WCBQ, Nashville, Tenn. 241.8m-1240kc. 100 watts. First Baptist church. Announcer, Harry Stone. Sun, 7:30 pm. Central.

WCBR, Providence, R. I. 205.4m-1460kc. 30 watts. Charles H. Messter. (Portable.)

WCCO, Minneapolis-St. Paul, Minn. 416.4m-720kc. 5,000 watts. Washburn-Crosby Co. Announcer, Paul Johnson. Slogan, "Service to the Northwest." Daily ex Sun, Sat, 9:30 am, program; 9:35, news; 9:45, 10:30, 11:30, markets; 2 pm, woman's hour; 3, markets. Mon, Wed, Fri, Sat, 10:45 am, home service. Wed, Thurs, Fri, 10:05 pm, dance music. Daily ex Sat, Sun, 5:30 pm, children's hour. Mon, 6:30 pm, 7:45, 8, 9. Tues, 6:15 pm, 7:30, 8, 9. Wed, 6:30 pm, reports; 7, 10:05, 11:30. Thurs, 7-10 pm, 10, weather. Fri, 6:15 pm, music; 7:45, 8, 8:15, 10. Sat, 9:30 am, 9:35, 10:30, 11:30, news, markets; 6:15 pm, 8, 8:15, 9, 10. Daily ex Wed, Sun, 12 m. Daily ex Sun, Thurs, 2:30 pm, concert. Sun, 10:20 am, church; 4:10 pm, service; 8:15, music; 9:15, weather. Central.

WCLO, Camp Lake, Wis. 230.6m-1300kc. 50 watts. C. E. Whitmore.

WCLS, Joliet, Ill. 214.2m-1400kc. 150 watts. Harold M. Couch. Slogan, "Will County's Largest Store." Tues, 7-9 pm. Wed, Fri, Sat, 9-12 midnight. Thurs, 7-8:30 pm. Sun, 11-12:30 pm. Central.

WCSH, Portland, Me. 256.3m-1170kc. 500 watts. Congress Square hotel.

WCSO, Springfield, Ohio. 247.8m-1210kc. 100 watts. Wittenberg College. Announcer, Lester Crowl.

WCUW, Worcester, Mass. 238m-1260kc. 500 watts. Clark University, Collegiate dept. Fri, 8-11 pm, concert. Eastern.

WCWS, Providence, R. I. 209.7m-1430kc. 100 watts. Charles William Selen.

WCX, Detroit, Mich. 516.9m-580kc. 5,000 watts. The Detroit Free Press. Club, "Red Apple Club." Daily ex Sun, 4 pm, news, stock reports, weather, markets; 6, dinner concert; 8. Tues, 10-2 pm, club. Fri, 10-11 pm, dance. Sun, 7:15 pm, M. E. church. Eastern.

WDAD, Nashville, Tenn. 225.4m-1330kc. 150 watts. Dad's Auto Accessories, Inc. Announcer, L. N. Smith. Slogan, "The Athens of the South." Daily ex Sun, 3:30-5 pm, 8-10. Sun, 3-5 pm. Central.

WDAE, Tampa, Fla. 272.6m-1100kc. 250 watts. Tampa Daily Times. Announcer, Tod H. Megargle. Slogan, "Away Down South in the Sunshine State." Mon, Fri, 7:30-8:45 pm, 9-11. Tues, Thurs, Sat, 7:30-9 pm. Wed, 7:30-11 pm. Eastern.

WDAF, Kansas City, Mo. 365.6m-820kc. 1,000 watts. Kansas City Star. Announcer, H. Dean Fitzer. Club, "Nighthawks." Tues, Thurs, Sat, 3:30-4:30 pm, music. Daily ex Sun, 6-7 pm, markets, weather, music; 11:45, Nighthawks. Mon, Wed, Fri, 8-10 pm. Mon, Wed, Fri, 10:45 am, home service talk. Central.

WDAG, Amarillo, Tex. 263m-1140kc. 100 watts. J. Laurence Martin. Slogan, "Where Dollars Always Grow." Daily ex Sun, 2:15 pm, 9. Sun, 2:15 pm. Central.

WDAH, El Paso, Tex. 267.7m-1120kc. 10 watts. Trinity Methodist church.

WDAY, Fargo, N. D. 260.7m-1150kc. 50 watts. Radio Equipment Corporation. Announcer, K. M. Hance. Slogan, "The Biggest Little City in the World." Daily ex Sun, 10 am, markets, weather, news; 11, markets; 12:30 pm, music; 1, Radio farm school; 1:10, markets; 2, 5, music; 5:30, news. Daily ex Sat, Sun, 10:15 am, chapel. Daily ex Mon, Sun, 10 pm. Tues, Thurs, Sat, 7:30 pm, musical. Sun, 10:30 am, church services. Sun, 4 pm, music; 7:30 pm, church. Central.

WDBC, Lancaster, Pa. 258.3m-1170kc. 50 watts. Kirk Johnson & Co., Inc.

WDBE, Atlanta, Ga. 270.1m-1110kc. 100 watts. Gilham-Schoen Elec. Co. Announcer, E. E. Floyd. Slogan, "We Distribute Better Equipment." Tues, Sat, 9-10 pm, music. Central.

WDBJ, Roanoke, Va. 228.9m-1310kc. 50 watts. Richardson Wayland Elec. Corp. Announcer, Glen Baylor. Slogan, "Roanoke Down in Old Virginia." Daily ex Sun, 12-1 pm, music; 5:30-6:45, music, news, weather, baseball. Wed, Sat, 9 pm, concert. Sun, 7:45 pm, church. Eastern.

WDBK, Cleveland, Ohio. 227m-1320kc. 100 watts. M. F. Broz Furniture Co. Tues, Sat, 8:30-11:30 pm. Eastern.

WDBO, Winter Park, Fla. 239.9m-1250kc. 500 watts. Rollins College, Inc. Announcer, Edwin D. McConnell. Slogan, "Way Down by Orlando." Daily ex Sun, Tues, 7:30-7:45 pm, citrus markets; 9-10:30. Tues, 9:30-11 pm. Sun, 11 am, 5 pm. Eastern.

WSSH, Boston, Mass. 260.7m-1150kc. 100 watts. Tremont Temple Baptist church. Announcer, Raymond B. Meader. Fri, 7:30-8:30 pm. Sun, 10:30 am; 6:30 pm, church services. Eastern.

WDBZ, Kingston, N. Y. 232.4m-1290kc. 10 watts. Boy Scouts of America. Announcer, G. Henry Nesslage.

WDCH, Hanover, N. H. 256.3m-1170kc. 100 watts. Dartmouth College.

WDOD, Chattanooga, Tenn. 256.3m-1170kc. 500 watts. Chattanooga Radio Co., Inc. Announcer, Dick L. Park. Slogan, "Wonderful Dynamo of Dixie." Mon, 7-8 pm, 8:15, 8:30-10:30. Tues, 2 and 4 of each month, 9-10 pm. Wed, 7-8 pm, 8:30-10:30. Fri, 7-8 pm, 8:30-11:30. Sun, 7:30 pm. Central.

WDRC, New Haven, Conn. 267.7m-1120kc. 100 watts. Doolittle Radio Corp. Mon, Wed, Fri, 6:45-7:15 pm, news. Mon, 8-9:30 pm. Wed, 8-9 pm. Sun, 11 am. Eastern.

WDWF, Providence, R. I. 440.9m-680kc. 500 watts. Dutee W. Flint, Inc. Slogan, "Quality First." Tues, 8:30 pm. Thurs, 6:30-8 pm, talks. Sun, 10 am, 5 pm. Eastern.

WDZ, Tuscola, Ill. 277.6m-1080kc. 100 watts. James L. Bush. Daily ex Sun, 9:30 am, 10, 10:30, 11, 11:30, 12 m, 12:30 pm, 1, 1:15, Chicago Board of Trade quotations. Central.

WEAF, New York, N. Y. 491.5m-610kc. 5,000 watts. A. T. & T. Co. Slogan, "The Voice to the Millions." Daily ex Sun, 6:45-8 am. Mon, Wed, Fri, 10:45-12:20 pm. Tues, Thurs, 11-12:20 pm. Daily ex Sun, 4-5 pm. Daily ex Sun, 6-12 midnight. Sun, 2-5:30 pm, 7:20-10:15. Eastern.

(The third part of the directory of station schedules will appear next week.)

New and better

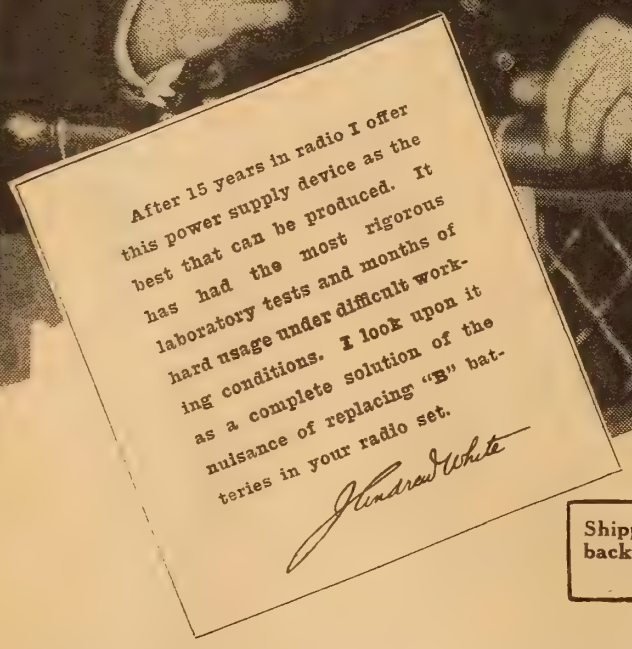
Uses No tube

Ends "B" battery troubles

Andrew White "B" Radio Power Supply

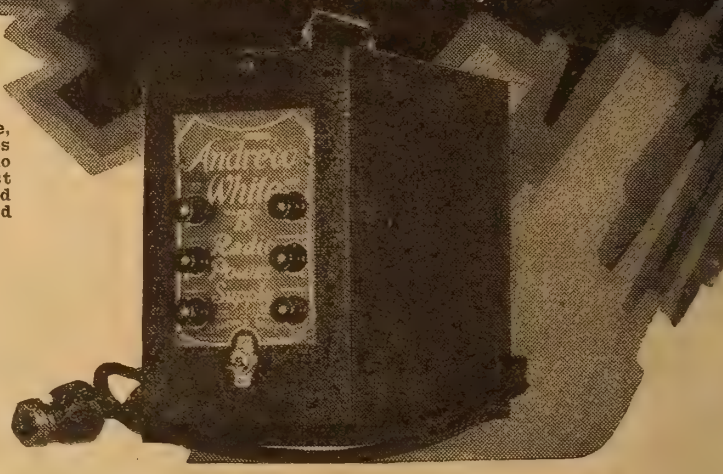
for Alternating Current only

110 Volts 60 Cycle



Major J. Andrew White, America's famous sports broadcaster, pioneer radio editor, the country's first broadcast director and veteran radio dealer and manufacturer.

Shipped on a satisfaction or money-back basis on receipt of price in money order or currency.



Ready for use at all times, 135 volts of "B" battery current, all you need, now or in the future. It delivers steady supply, operating perfectly at all times all sets using up to 9 tubes. The new tubes and modern sets require 135 volts—don't buy less!

No Hum There is no hum. No noise at all. The current is delivered from EIGHT electrolytic cells. NO TUBES TO FLUCTUATE OR TO REPLACE.

Economical Takes so little current you will notice no difference on your electric light bill.

Durable Will deliver the full voltages you require for detector, radio frequency and amplifier tubes, strong and steady year after year, just as if you had brand new batteries all the time.

Convenient Plugs into electric light socket—nothing to get out of order at any time.

Improves Broadcast Reception

Large size condensers and steady current supply improve the performance of your radio set. You will have better quality of speech and music and greater volume.

No Parts Requiring Replacement or Renewal

A few territories now open for established dealers.

J. ANDREW WHITE, 37 West 43rd Street, New York

135 Volts!! Only $38

There is a great demand

Your dealer may not be able to supply you

MAIL THIS COUPON TODAY

J. Andrew White, 37 West 43rd Street, New York.

Enclosed is $38, for which ship me your new and better "B" Radio Power Supply at once, my money to be refunded if I am not satisfied and return the unit in 10 days.

Name .....

Street, RFD or Box No. .....

Shipping Point .....

Post Office ..... State .....

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MAR-1'26

$500 Gold for Solution of Mystery

Radio Digest

EVERY WEEK — Illustrated PROGRAMS — TEN CENTS

Vol. XVI No. 7 Copyright 1926 by Radio Digest Publishing Co Title Reg. U. S. Pat. Off & Dom. of Canada

FEBRUARY 20, 1926

"The Voice of Porto Rico" Tells a Story; WJAG Birthday Party; Women's Programs; Uncle Sam Aids Rural Radio; Announce Foreign Test Winners; How to Stop Blooping

DEMANDS STATIONS LABEL ADVERTISING

WOULD AVOID FOISTING OF PUBLICITY ON PUBLIC

Rep. Emmanuel Celler Asks for Same Regulations of Ether as Those Governing Newspapers

WASHINGTON.—"This is BLAA, broadcasting station of the Giant Peanut company, Newark, N. J. You will now have the pleasure of listening to the Walk-Up-One-Flight Clothing company's orchestra. Their first number will be, 'You Don't Wear Them Out If You Don't Sit Down.' Should any of our Radio fans desire to communicate with the Walk-Up-One-Flight Clothing company's orchestra they can do so by communicating with Station BLAA.

"This is SPOOF station, Chicago, Ill. You have just listened to Mr. B. Fuddled, of the Lone Star Ham company, in his interesting talk on 'Tid-bits and Why Delicious Lone Star Ham Should Be on Every Table.'

"Those of you who relish a good cigar will be delighted to hear that our next number will be a song, 'Rings of Smoke,' to be rendered by Mr. Jack A. Napes, general sales manager of the Amalgamated Cigar Stores company. We ask our Radio fans to remember the Amalgamated Cigar Stores company because it will have one of its employes perform for us every Monday night.'

Congressman Indicts Advertising

"You have just heard Mr. Jack A. Napes. SPOOF now signs off for the night after announcing that at 3:45 tomorrow afternoon every housewife will welcome Mrs. Laura New of the Durable Pancake company, who will give helpful lessons on 'How to Make Flapdoodles Out of Sawdust.'"

The above is merely a reproduction of what Representative Emmanuel Celler of New York has caused recently to be published in the Congressional Record. Representative Celler's tirade is most interesting. He does not believe in advertising broadcasts as they are done today, and he frankly says so.

Newspapers Must Label Ads

"It is illegal for newspapers or magazines to publish advertising without letting their readers know that the matter is paid for and is advertising. The reason for this was to avoid the foisting of disguised advertising matter 'as reading notices' or news. The law was adopted to avoid this public imposition and deception.

"Broadcasting of paid-for or indirect advertising without a statement that the matter has been paid for, is no less deceptive and an imposition. Those of you who are familiar with Radio activties or are listeners often have recognized this scheme of deceptive advertising.

"The Radio bill introduced by Mr. White, the gentleman from Maine, and which is now being considered by the committee on the merchant marine and fisheries, in section 5 very rightfully provides as follows:

White Bill Protects Listeners

"'All matters broadcast by any Radio station for which service, money or any other valuable consideration is directly or indirectly paid or promised to or charged or accepted by, the station so broadcasting shall be announced as 'advertising' at the time the same is so broadcast: Provided, that when the advertisement or publicity sought consists solely of the announcement of the name, business, and address of the person, firm, company, or corporation paying for the feature broadcast, it shall be sufficient to announce that such feature broadcast is "paid for or furnished by" such person, firm, company or corporation.'"

Station Changes

Here is Florida with another broadcaster, the new municipal station of Pensacola, WCOA. On a wave length of 222 meters, the first program from this studio went out over the ether for the first time Wednesday evening, February 3. The announcer is John E. Frenkel.

The thud of boxing gloves, the scraping of skates on the ice during hockey matches and other familiar sounds from Madison Square Garden preceded by the call WMSG, will be heard the first part of this week. A low wave length of 212.6 meters prevents any interference with New York stations already on the air.

The following stations were deleted last month: WGBK, Johnstown, Pa.; WDCH, Hanover, N. H.; KFGH, Stanford University, Calif.; KFOJ, Moberly, Mo.; WTAC, Johnstown, Pa.; WJBN, Sycamore, Ill.; WIBC, St. Petersburg, Fla.

WILSON WETHERBEE IS VETERAN OF KYW

CHICAGO.—Saturday, February 20, marks the completion of four years of Radio service of Wilson Wetherbee, director of Westinghouse Station KYW. Having come to the station when KYW was barely four months old, he has witnessed its growth practically from its cradle days.

Wilson Wetherbee

Born in Elkhart, Ind., in 1900, educated in its schools and later taking studies pursuant to a literary career, Mr. Wetherbee soon after found himself on the staff of the Elkhart Daily Review.

The world was treating "Scoop" Wetherbee fairly well. The South Bend Tribune felt the need of the services of an enterprising young man, so to South Bend he went. From the South Bend Tribune "Scoop" went to the South Bend Times, shortly after which he went back to school to study at the University of Chicago. However, campus rules did not agree entirely and the call of the press brought him to the editorial staff of the Chicago Daily News. He remained there just about a year when the wild idea of "Radio" brought him to KYW to take the position of assistant director. On May 1, 1922, "Scoop" was appointed director of the station which position he still holds.

Imagine Chicago's pioneer station four years ago. A personnel of only three or four members; one studio; the technique of Radio fairly unknown and little thought of. If artists did not appear, they just pushed a convenient phonograph up to the "mike." Those were only a few of the griefs of Radio life four years ago. The director had to not only conduct the activities of the station, but he had to seek talent, answer kicks, do the announcing, look happy and when no one was looking, sweep the floor.

WAMPAS BEAUTY IS GIRL ON OUR COVER

FAY WRAY—sounds almost like "Fairy," doesn't it?

That's the name of the exquisite maiden on the Radio Digest cover this week. And, of course, she just naturally lives in Hollywood, Calif., with the rest of the 1926 crop of WAMPAS beauties who made their grand debut at the frolic in the new Al Malikah shrine temple in Los Angeles on February 4.

There were thirteen of these little "Wampsies" and from a picture in our last week's issue it seems Miss Fay is the only one who didn't have the heart to snip the wandering tendrils from her crown of glory.

All the Wampas stars were presented to Radio listeners over KNX, during a special Radio reception.

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Looking Ahead

Mystery, Murder, Undying Love—the special Radio mystery story by a world-famous author, Robert J. Casey, begins with the next issue. $500 awaits the winning solutions. Don't miss the important announcements and the beginning chapter of this thriller.

February Twentieth Is a Big Day in the Regions of the Arctic Circle. Old Sol peeps over the horizon for the first time after an absence of 135 days. The Canadian "Mounties" and other human beings celebrate. Superpower stations of the United States broadcast special programs. Story and pictures here next week.

Dizzy Izzy, Musing Over a Bowl of Loco Weed Soup and a dish of purple berries from the wild asparagus, decided that the one thing Station WOAW, Omaha, needed was a "Blah Club." Whereupon he called together certain members of the staff and a directorate was selected. You should hear Izzy tell about it in the next issue.

The Campaign Against Blooping, having fixed the blame, rubbed it in and shown how nearly all sets bloop, will next week tell of better operation of sets for more DX and less squealing. Come on, do more thinking about your own blooping and less tirading about the other fellow's!

Those Interested in Short Waves, and who are building the two tube 15-130 meter set, will find its construction carried into the wiring next week.

Operation of the King 5-Tube Tuned R.F. Set is now being studied by the technical staff and an article on it will appear next in the Operating and Trouble Shooting series.

Newsstands Don't Always Have One Left

WHEN YOU WANT

Radio Digest

YOU WANT IT!

BE SURE OF YOUR WEEKLY COPY BY SUBSCRIBING NOW

SEND IN THE BLANK TODAY

Publisher Radio Digest,
510 N. Dearborn St.,
Chicago, Illinois.

Please find enclosed check M. O. for Five Dollars (Six, Foreign) for One Year's Subscription to Radio Digest, Illustrated.

Name .....

Address .....

City ..... State .....

NEWS BRIEFS FROM THE BROADCASTERS

PARTY NIGHT ONCE EACH MONTH FOR WRVA FANS

Famous Violinist at KGO—Learn Charleston at WMBB—Canadian Broadcasters Meet at Toronto

The first Thursday of each month will be party night at WRVA, Richmond. For three hours this southern broadcaster will give a program of dance music, so that fans can plan parties ahead of time for this night. The music will be furnished by the Richmond Hotel Winter Garden orchestra, under the direction of Billy Boyle, and will begin at 9:30 p. m., Eastern time.

* *

One of the greatest violinists, Mishel Piastro, concertmaster of the San Francisco Symphony orchestra, will give a recital over KGO, Oakland, Tuesday night, February 23. Altogether he will play ten numbers. His accompanist will be Lev Shorr, brilliant Russian pianist.

* *

Instructions in the "Charleston" by Prof. Thomas Sheehy are going out over the ether every Wednesday evening from WMBB, Chicago.

* *

The first meeting of the Canadian Association of Broadcasters was held last month in Toronto. Jacques N. Cartier, director of CKAC, La Presse, Montreal, was elected president of the organization.

* *

A new series of classical concerts will be given weekly at KYW called the Federal Master artists program. These programs will be broadcast from the Commonwealth-Edison studio every Friday night at 9 p. m. Central time. Margery Maxwell, soprano member of the Chicago Civic Opera company, was one of the artists participating in the first musicale.

* *

Children's stories, told with an orchestral accompaniment, have been introduced to the Radio audience of the Capital by Daniel Chwalow, conductor of the Hotel Hamilton orchestra, through Station WRC, of Washington. The stories are told by Madge Tucker and are given suitable musical background by orchestral arrangement of folk songs.

* *

O. H. Becker, the senior announcer at WGR, Buffalo, has resigned and Kenneth Fickett, who has become well known during the last two years to WGR fans, is now senior announcer. George C. Hardy is now associated with Mr. Fickett as assistant announcer.

* *

Bulwer Lytton's powerful drama, "Richelieu," will be broadcast by the KGO players Thursday night, February 25. Wilda Wilson Church will direct sixteen players in the technique of the audio drama defore the microphones.

* *

Thousands of old-time songs have been received from all parts of the country by the Crosley Burnt Corkers, an organization of minstrels which broadcasts Tuesday evenings through the WLW station. Many of these songs are used in the hour program.

* *

A junior Radio club is the latest feature at WBAL, Baltimore. Hazel Knox, who has charge of the children's programs broadcast every Monday and Thursday, will direct the activities.

* *

Rev. John Edwin Price of the First Universalist church will give a series of ethical studies of the modern drama every Thursday afternoon at 2 p. m. Central time, through WLW, Cincinnati.

* *

Captain Daddy Long Legs will be in command Friday of the WGP Ship o' Dreams with a wealth of instructive songs and stories for the kiddies. The children of the American Revolution will be passengers to help celebrate Washington's Birthday. At 8 p. m. Eastern time, the Hon. William H. Smathers of Atlantic City will give a patriotic address.

* *

A departure from the usual dinner concert program introduced by Daniel Chwalow, conductor of the Hotel Hamilton orchestra, is the presentation of movements of the world's greatest symphonies during the dinner hour. The playing recently of Haydn's "Surprise Symphony" as a part of a dinner program brought a greater number of applause cards and letters than any dinner concert program ever broadcast from the capital.

* *

Parents and teachers will be interested in the lecture, "Poetry in Relation to Childhood," to be given Friday by Mrs. Austin S. Basten, publicity chairman of the Connecticut Congress of Parents and Teachers. This talk is one of a series of educational lectures.

$500 FOR FANS SOLVING MYSTERY

I WON'T BLOOP CLUB MAKING BIG STRIDES

CAMPAIGN TO CLEAR ETHER IS PROVING POPULAR

Listeners, Stations, Clubs and Newspapers Joining Radio Digest to Lessen Radio Interference

"I Won't Bloop" will be the motto of a nation of Radio listeners in short order if the popularity of the I Won't Bloop club continues to grow in the next six weeks as it has in the past three. Broadcasting stations, newspapers, and Radio clubs are taking up the cudgel to exterminate the Viper Bloop.

The idea of the club, as stated previously, is simply to obtain members, the sole requirement for membership being the taking of a pledge to refrain from blooping one's set, or so equip or renew it so as to prevent its blooping. That the idea is a righteous one, is evident from the furor the club is creating.

Thousands upon thousands of pledges already have been made. An accurate count is impossible as yet. The membership roll is, however, several times ten thousand. These members each possess a membership card. Ask your friend to show his card. Get his pledge if he hasn't one.

Opinion Favors Club Idea

That the press and broadcasters have joined hands with Radio Digest in its campaign to eliminate or at least reduce the bothersome blooping evil, speaks well for the timeliness of the great movement.

The broadcasting station chapter roll of the I Won't Bloop club, now includes:

CKNC, Canadian National Carbon Co., Toronto, Ont.; WDAF, Kansas City Star, Kansas City, Mo.; KSL, Radio Service Corp. of Utah, Salt Lake City, Utah; WHO, Bankers Life Co., Des Moines, Ia.; WHA, University of Wisconsin, Madison, Wis.; WLW, Crosley Radio Corp., Cincinnati, Ohio; WJAZ, Zenith Radio Corp., Chicago; WOC, Palmer School of Chiropractic, Davenport, Ia.; KTHS, New Arlington hotel, Hot Springs National Park, Ark.; WBAP, Fort Worth Star-Telegram, Fort Worth, Texas; WMBB, Trianon Ballroom, Chicago; WJJD, Loyal Order of Moose, Mooseheart, Ill.; KQV, Doubleday-Hill Elec. Co., Pittsburgh, Pa.; WAMD, Hotel Radisson, Minneapolis, Minn.; WRK, Doron Bros. Elec. Co., Hamilton, Ohio; WSKC, World's Star Knitting Co., Bay City, Mich.; KFYR, Hoskins-Meyer, Bismarck, N. D.; WJAG, Norfolk Daily News, Norfolk, Nebr.; KFWC, L. E. Wall, San Bernardino, Calif.; KFKZ, F. M. Henry, Kirksville, Mo.; WBBY, Washington Light Infantry, Charleston, S. C.; WFDF, F. D. Fallain, Flint, Mich.

Cities Organize Local Clubs

Broadcasting stations who are aiding the campaign, or who wish to become chapters of the I Won't Bloop club, are requested to communicate with Radio Digest. The club wishes to enlist every station in the country in its warfare against blooping receivers.

Word has been received from E. M. Rait telling of the formation of a local chapter of the I Won't Bloop club at Rochester, Minn. One hundred members were enrolled at the first meeting. Other localities are likewise organizing.

The Broadcast Listeners association of Chicago, has promised full cooperation. This organization has already been pioneering in a movement against bloopers.

The various local chapters are, for the most part, discussing ways and means of preventing blooping. Excellent articles are available. At this time the technical staff of Radio Digest is publishing a series of articles dealing with this subject. The location and suppression by "force or kindness" of vicious bloopers who will not cooperate otherwise is the avowed purpose of one local chapter.

Remember—in all this campaign—that so-called "regenerative" sets are not more to blame than other receivers. So far as can be determined, ALL sets regenerate, and regeneration is more the act of God than a patent.

Have you joined yet? SIGN AND MAIL THE PLEDGE TODAY.

Sport Broadcasts

Hockey Game

Tuesday, February 23

WBZ, Boston, Mass. (333.1m-900kc), Boston Bruins-St. Patricks, 8 p. m. Eastern time.

Basketball Games

Saturday, February 20

WSUI, Iowa City, Iowa (483.6m-620kc), Northwestern-Iowa, 7:30 p. m. Central time.

WEAO, Columbus, Ohio (293.9m-1020kc), Michigan-Ohio State, 8 p. m. Eastern time.

WIP, Philadelphia, Pa. (508.2m-590kc), University of Pennsylvania-Cornell, 8:30 p. m. Eastern time.

Monday, February 22

KUOM, Missoula, Mont. (244m-1230kc), University of Washington-University of Montana, (no time given).

Tuesday, February 23

KLDS, Independence, Mo. (441m-680kc), William Jewell college-Westminister college, 7:30 p. m. Central time.

Thursday, February 24

KWSC, Pullman, Wash. (348.6m-860kc), Oregon Agricultural college-Washington State college, 7:30 p. m. Pacific time.

Friday, February 26

KFMQ, Fayetteville, Ark. (299.8m-1000kc), University of Arkansas-Texas Christian university, 7:30 p. m. Central time.

WOI, Ames, Iowa (270m-1110kc) Missouri-Ames, 7:30 p. m. Central time.

LADY STAR OF CHANTICLEER COURT

Jean Grissom is a member of the Chanticleer Players of Kansas City whose series of comedies and specialties from WDAF, the Kansas City Star, is a rather new feature for the station's listeners. The players have grown from a group of persons interested in theatricals largely for their personal diversion. They now present and broadcast regular monthly programs in a rustic frame building they call "theater," and is really a transformed garage. Their material usually consists of one-act comedies, satires and dramas with musical numbers occasonally interspersed.

PLEDGE CARD **Radio Digest** PROGRAMS *Illustrated* I WON'T BLOOP CLUB

Reg. U. S. Pat. Off. & Dom. of Canada

I pledge myself to operate my Radio set to reduce radiation or blooping. If I am unable to make my present set operate properly, I further pledge myself to replace it with a receiver that will create less interference.

Make of my set:

Number of tubes is:

Signature .....

Address .....

City and State.....

I am cooperating in this campaign with Station.....

Upon mailing this pledge to Radio Digest, "I Won't Bloop Club" membership card suitable for wallet or framing will be issued.

SPECIAL RADIO SERIAL NEEDS RIGHT ENDING

R. J. Casey Writes Story

First Chapter Next Issue—Important Announcement—Contest to Develop Radio Play

Solve the mystery, if you can, and win part of the $500.00 in gold, Radio Digest will pay for the best solution!

Beginning next issue, there will appear the first installment of a great, thrilling, inspiring story of love and mystery, written by Robert J. Casey, the world-famous author. He has prepared a story especially for Radio. It is so written that it will go down in history as a pioneering effort of the first order.

Readers of the story will come in for their share by unraveling the tangled plot and pointing out how the story must end. The guilty party or parties should be indicted. All clews should be as correctly followed as possible.

The correctness of the solutions submitted will form the basis for the decision of the judges. Writing ability will not be the main consideration.

Story Begins Next Issue

The first chapter of this supreme work by Robert J. Casey will appear in the February 27 issue of Radio Digest. Other important announcements are also to be made next week.

The full details of the competition, the rules, names of judges, the closing date by which the solutions must be received—all will be told in the next issue of this publication.

Watch for it. Thousands of people are expected to participate in this first All-Radio mystery story competition, and may the best man, or woman, win. Read the first chapter. Don't miss it!

On page eight, this week, the preliminary announcement appears. Emphasis cannot be placed too heavily upon further announcements to be made next issue.

Seventeen Prizes in All

Seventeen prizes await their winners. The first will be $250 in gold. Second will with $100 in gold. Fifteen bags of gold containing ten dollars each, will be presented to the persons submitting the next fifteen best solutions to the mystery.

Robert J. Casey, novelist and short story writer of repute, has contracted to write the manuscript. He was directed to prepare a mystery story, replete with thrilling suspense, which was Radio in character. He was told that one of the principal objects of the story was to have it so arranged that it could be dramatized for Radio presentation. The story must have the necessary requisites of a Radario or drama of the air.

Contests Will Develop Radio Play

To foster the development of Stories which can be broadcast in Radario form, Radio Digest has launched this new enterprise. It is believed that among the contestants who submit their solutions to the mystery will be found people who have the talents to qualify for further writing of stories designed especially for broadcast presentation.

Mr. Casey's story will show these people how it is done. He not only knows the ordinary school of the novel and stage drama, but is experienced in the limitations of Radio and knows what the broadcast drama needs as a means of expression.

Just as the legitimate stage and motion pictures use thousands of stories each year, the majority of which are especially prepared either for the stage or the screen, broadcasting stations are now looking for available manuscripts for Radario presentations. The number of writers supplying this market is small. The field for Radarios, too, is still small but is potentially great.

It is the hope of this publication to enlarge both the field for, and the number of writers of Radarios.

New Studio for Boston

BOSTON.—Houghton & Dutton, one of the largest department stores in New England, have announced that they are to open a broadcasting studio the latter part of February in their store, co-operating with WEEI, the Edison station here.

Uncle Sam Aids Rural Radio

"Fifty Farm Flashes" to Be Subject of Weekly Broadcast Under Auspices of Department of Agriculture

By S. R. WINTERS

***PICKARD** Will Operate Through Washington Bureau to Answer Important Inquires from Farmers over the Representative Stations in Scattered Districts. Will Cooperate with State Colleges.*

FARMER JONES upon observing that his flock of chickens has symptoms of roup addresses a letter to the United States Department of Agriculture in search of a treatment! Farmer Brown inquires of Uncle Sam as to what months should cows freshen in order to insure a maximum production of milk! Farmer Smith upon detecting that his soil is sour, wants to know if a portable lime crusher is practical!

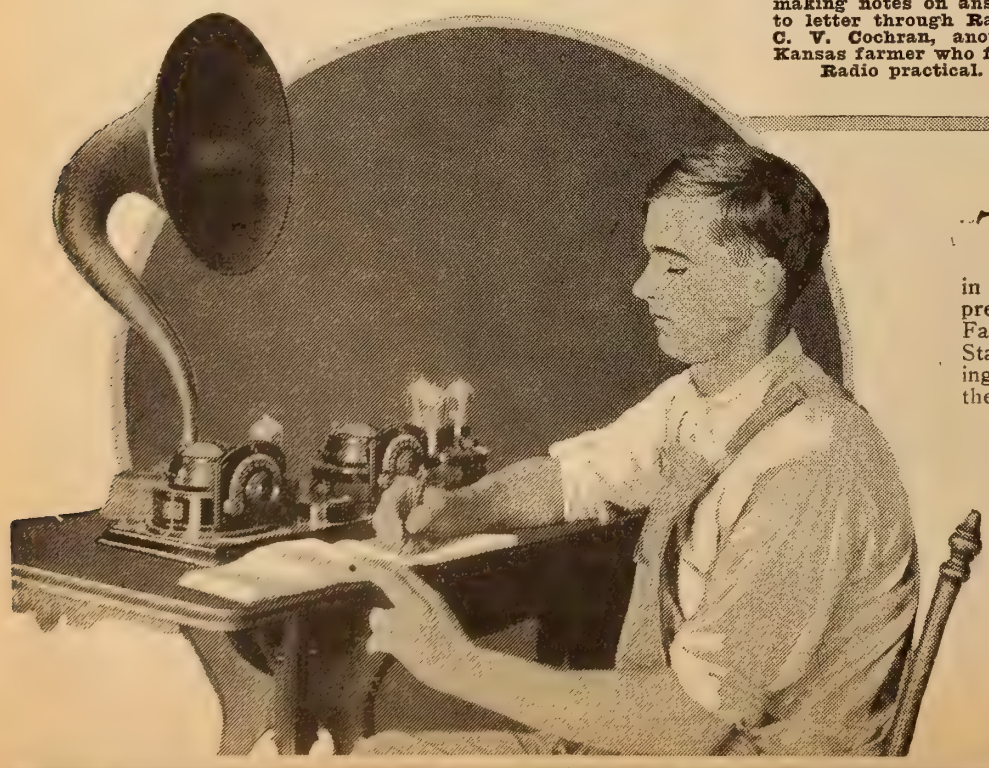
These inquiries, when received by the United States Department of Agriculture, are answered by letter mail in which a farmer's bulletin discussing the particular farm problem is enclosed. Now, farmers will not have to depend upon a tardy R. F. D. service for such general and insistent information where timeliness is an important factor. Instead, Radio, traveling with the speed of light or at a rate of 186,300 miles per second, will act as a hurry-up messenger between farmers and Uncle Sam's national farming bureau.

Sam Pickard, newly appointed Chief of Radio Service of the United States Department of Agriculture, has labelled this novel and informative service with the alliterative and pleasing designation, "Fifty Farm Flashes." As implied by this descriptive phrase, brevity and speed of delivery will characterize this service and if a sufficient number of broadcasting stations are enlisted in diffusing this timely and useful knowledge it will be blanketed over the agricultural areas of the nation. Each "Farm Flash" will be limited to fifty words and the broadcasting of the complete weekly service should not exceed twenty minutes.

* * *

THE Department of Agriculture in Washington, receives approximately 4,000 letters daily, a major portion of which concerns farm problems or direct questions seeking solutions to the difficult things confronting the farmers. From this "question box" will be selected each week about twenty-five of the more general and pressing subjects or problems as a basis for the "Farm Flashes"—or, to employ the term of Mr. Pickard, Uncle Sam's mail will serve as a sort of barometer in the preparation of this national Radio service. The other twenty-five topics included in the "Fifty Farm Flashes" will be of a local nature—that is, solutions to problems peculiar to a particular farming community, which is served by a certain broadcasting station. Thus, Uncle Sam's farm Radio service will not be a rubber-stamp or mimeographed affair but an exclusive feature to the respective broadcasting stations cooperating in this significant and far-reaching step in annihilatng distance between the rural areas and the fountain sources of scientific agricultural information.

Tentative plans of Mr. Pickard call for a division of agricultural America roughly into zones with respect to the major crops grown in the different farming regions. These classifications will include such dominant crops as cotton, corn and meat, hay and pasture, and such types of farming as dry land, range, and irrigation. Thus, for instance, a farmer making inquiry about methods of producing corn would receive a reply in the form of a "Farm Flash"—say, through a Chicago broadcasting station—that would be applicable throughout the Corn Belt. Similarly, a cotton grower of Texas, seeking information as to an effective method for combatting the boll weevil would elicit a reply—broadcast through a Texas station—of value to the cotton producers of the South and Southwest. Or, to continue this trend of thought, wheat growers in Kansas could, through the magic of the invisible Radio waves, learn of the most effective method for arresting the fecundity of grasshoppers.



Sam Pickard (top) with one day's letters from farmers to U. S. Department of Agriculture. Tom Peterson, Kansas farmer, making notes on answer to letter through Radio. C. V. Cochran, another Kansas farmer who finds Radio practical.

* * *

THIS Radio service to farmers will be a radical departure from the present practice of preparing lectures and having them read into the microphone," declared Mr. Pickard, in an exclusive interview given this writer, in which he stressed the twofold factor of brevity and popular appeal in the presentation of "Fifty Farm Flashes." Moreover, the Chief of Uncle Sam's Farm Radio Service desires to avoid the erroneous impression that the United States Department of Agriculture will dominate this instantaneous and sweeping means of disseminating information relating to better farm practices. To the contrary, the agricultural colleges and other agencies cooperating will be tapped as sources for much of the material that is to be broadcast, the Department of Agriculture at Washington, serving as a clearing house or central agency for supplying any needed information which may not be accessible to state and local agencies. Then, too, Uncle Sam has his own representatives afield and their services will be constantly in demand in making effectual this far-reaching program of speeding up the process whereby the searchers of information and the source may be brought together within the twinkling of an eye.

"Fifty Farm Flashes," an alluring phrase that will live because it is dedicated to service, will be inaugurated as a weekly program from hundreds of broadcasting stations—if the latter are quick to appraise its popularity and value. The air mail and other prompt postal facilities will speed the delivery of these "Farm Flashes" to the respective broadcasting stations, scattered as they are in widely separated sections of the country, assuring prompt answers to inquiries. (*Continued on page 29*)

Let's Go! WJAG Throws a Party!

ALL Listeners Are Invited to Attend Big Celebration Around "Family" Table in Norfolk, Nebraska. "Printer's Devil" to Be There.

"MR AND MRS. G. R. SALTER cordially invite you to be present at the Fourth Anniversary of the Norfolk, Nebraska, WJAG Family Lunch Club during the Noon Hour of February Twentieth, Nineteen Hundred and Twenty-six, at your own Receiving Set."

* * *

Of course you will have a lovely time at Mr. and Mrs. Salter's party. They are counting on a very unusual number of guests from all parts of the country. It will be one of the big events of their lives and that covers a very considerable period. Both are over 86 years old. They have been married sixty-four years. Since the Norfolk Daily News installed its Radio broadcasting station and Announcer Karl Stefan organized the Family Lunch club Mr. and Mrs. Salter have been sitting at the "head of the table" as the grand patriarchs of the family, which consists of 20,000 persons.

Forecasts of proposed offerings are "flashed" to members of the family for approval. The mail man and the messenger boys and the telephone bring to the studio the answer as to what shall be used and what not used. Now Grandfather Salter believes he knows just what his family wants for this big birthday dinner of February 20.

* * *

NEBRASKA stands out among the pioneer states in the Radio world. Several broadcasting stations became famous within its borders while Radio was still quite young as a general amusement. Gene Huse, editor and publisher of the Norfolk Daily News, was among the first to put in his order for a station and then discovered that he didn't have, and there was small chance of getting, an operator.

Determined to have his station even if he had to become an expert himself, he began a study of Radio transmission. He learned the codes, both Morse and Continental. He mastered a thorough knowledge of the technical theory and finally came to Chicago for his examination. He successfully passed the test submitted by Inspector Beane and was granted an operator's license. He is one of the few owner-operators of a broadcasting station in the United States.

Mr. Stefan was on the staff of the News when WJAG went on the air. He had been around the world, could speak several languages, understood telegraphy and Radio technique. It was logical that he should become the chief announcer and this position he has held since the beginning.

Station WJAG was launched as an avenue of service by the Daily News which has for its slogan, "World's Greatest Country Daily Newspaper." Old people, invalids and other shut-ins soon discovered that "service" was more than a catch-word. They were the first to feel the results, which came shortly after the end of the World's Series baseball games.

* * *

THERE was a particularly keen interest in the series that year and Announcer Stefan moved the microphone from the "Printer's Devil's Den" (as the studio is called) to the telegraph desk where the clicks of the telegraph instrument were instantly translated by Mr. Stefan into word pictures of the game. An appeal was then sent out to members of the Radio family for nickels and pennies with which to buy receiving sets for the shut-ins who never could participate or even see athletic games of any sort.

Contributions rolled in to such an extent that there was soon enough money to buy a dozen good sets for those who could not afford them and were confined to the dull monotony of the four walls of their rooms. The first one went to a little crippled girl for whom the initial appeal was made, little expecting there would be enough returns for a dozen sets.

As the family grew from a score to 20,000 other appeals have been sent out at intervals until now there are 100 sets bringing cheer and happiness. Sometimes the sets change hands where the original beneficiary has recovered and is no longer an invalid. Six sets have been returned from those who have passed beyond the pale of early joys.

Then the service of WJAG was (*Continued on page 24*)

Karl Stefan (top) chief announcer at WJAG who started the big "family" that gathers around Radio lunch table each noon. Frances Colton Warner (left), pianist and entertainer.

Old-fashioned melodies are the favorite songs of Miss Marjorie Beeler (left), lyric soprano at WJAG. Below may be seen the Printer's Devil and his Imps. They ring the dinner bell that calls everybody around the big family Radio lunch table presided over by the patriarchs, Mr. and Mrs. G. B. Salter, both 86 years old. At lower left is staff of the Norfolk Daily News translating the telegraph code of a world's series game into a word picture for WJAG listeners.

KMA Is Heard Across Pacific

"KEEPS Millions Advised" Is Slogan Selected from 4,000 Suggested for Shenandoah, Ia., Station. Listeners Write from Yokohama, Australia and Alaska.

By H. P. BROWN

At left is Miss Ormah Carmean, soloist and associate program director, KMA. Below are Mrs. E. E. May (left) and Mrs. Henry Read, duet singers. George Van Houtte (lower circle), 79, traveler and lecturer. Beside him, Lina Ferguson, "May Flower Lady," who chats of gardens.

Above is Mr. Earl E. May, himself, owner of the KMA broadcasting station at Shenandoah, Ia., who usually mans the microphone to introduce the artists. His "contagious laugh" ripples through the ether making thousands smile.

LOOK at the Radio map of the United States and you will find the state of Iowa thickly dotted with little red stars where broadcasting stations are located.

In the galleries of the air, Iowa's calls may be heard at almost any hour of the day or night. The entire populace seems to be swept off its feet with Radio enthusiasm. No farm is complete without its receiving set. In some places the loud speakers are installed in the barns where the "cornhuskers" can hear while milking the cows and there is a theory that the music smooths the cows into yielding, not only more, but better milk.

Shenandoah, close to the Missouri border, was comparatively little known a few years ago. Two of the main industries of the town are seed and nursery companies. Both of them installed Radio broadcasting stations and the Shenandoah post office had to put on a night shift to handle the extra mail that resulted.

Earl E. May, president of the May Seed and Nursery company, at Shenandoah, is the rotund, good natured papa of KMA. When one talks to him a little while it is hard to tell which he loves the most, the seed business or Radio.

* * *

PART of the time he is all tomatoes and radishes and the rest of the time he is all studio and listeners. So much enthusiasm backed by a vigorous constitution and an artistic appreciation has produced the inevitable success it deserves with both enterprises.

"Why," said Mr. May in the course of a recent interview, "we have the most wonderful talks on horticulture, agriculture and gardening and when we put o na contest for a slogan a short time ago, we received 4,000 letters offering suggestions. We picked fourteen quarts of the most luscious—I mean we picked a slogan that I think fits our station to a T."

"K-M-A—it couldn't have been 'Kiss Me Again?'"

"Don't be absurd. This is really serious."

"Well, what could it be? Knights of Modern Agriculture?"

"More foolishness. Here it is—"KEEPS MILLIONS ADVISED."

"That's not so bad only—"

"Only what?"

"Well, 'millions' might seem a little exaggerated."

"Exaggerated nothing! Wait 'till I show you a letter, here."

Mr. May fished a letter out of his pocket. At the top was the business head, "N. D. Sheppard, General Merchandise and Raw Furs, Andreafsky, Alaska, Oct. 31, 1925." The letter read in part as follows:

* * *

"I WISH to report that we heard your station the night of October 30, you signing off 10:12 p. m. our time, which was 3:12 a. m. October 31, your time. The program came in fine just as clear as a bell in spite of the fact that one of the tubes was broken so the built-in loud speaker would not work and we had to attach the ear phones to the talking machine. We all enjoyed the program which was plenty loud in a room seventeen by twenty-seven feet.

"At 11 p. m., our time, we picked you up again and heard the Midnight waltz and Three O'Clock in the Morning, on the Steinway. This program we enjoyed until 2:15 a. m. our time, when it faded away so we do not know just what time you signed off.

"We are two weeks from a cable office by dog team or we would have sent a cable. We are 163 degrees west and 62 degrees north on the Yukon river."

The letter was signed by N. D. Sheppard.

"Don't worry about the 'millions' part of it," added Mr. May, as he folded the letter back in its envelope. "KMA is not only heard all over the United States with its many millions of Radio listeners, but we have letters from Australia, Yokohama, Japan; the Hawaiian Islands and other places to the north and south. Don't ever think that 'millions' is exaggerated."

It was stated that the KMA station prepared its programs with enough diversity to please all classes of listeners. Reports on the weather and markets are given three times (*Continued on page 24*)

These four (left) should be called the "Apple-o-Quartet." They are Jonathan and Ben Davis, Auntie Blossom (Mrs. Fort, who conducts the Slumber Boat) and Miss Lavone Hamilton, pianist, the Pippin.

WKAQ—"Voice of Porto Rico"

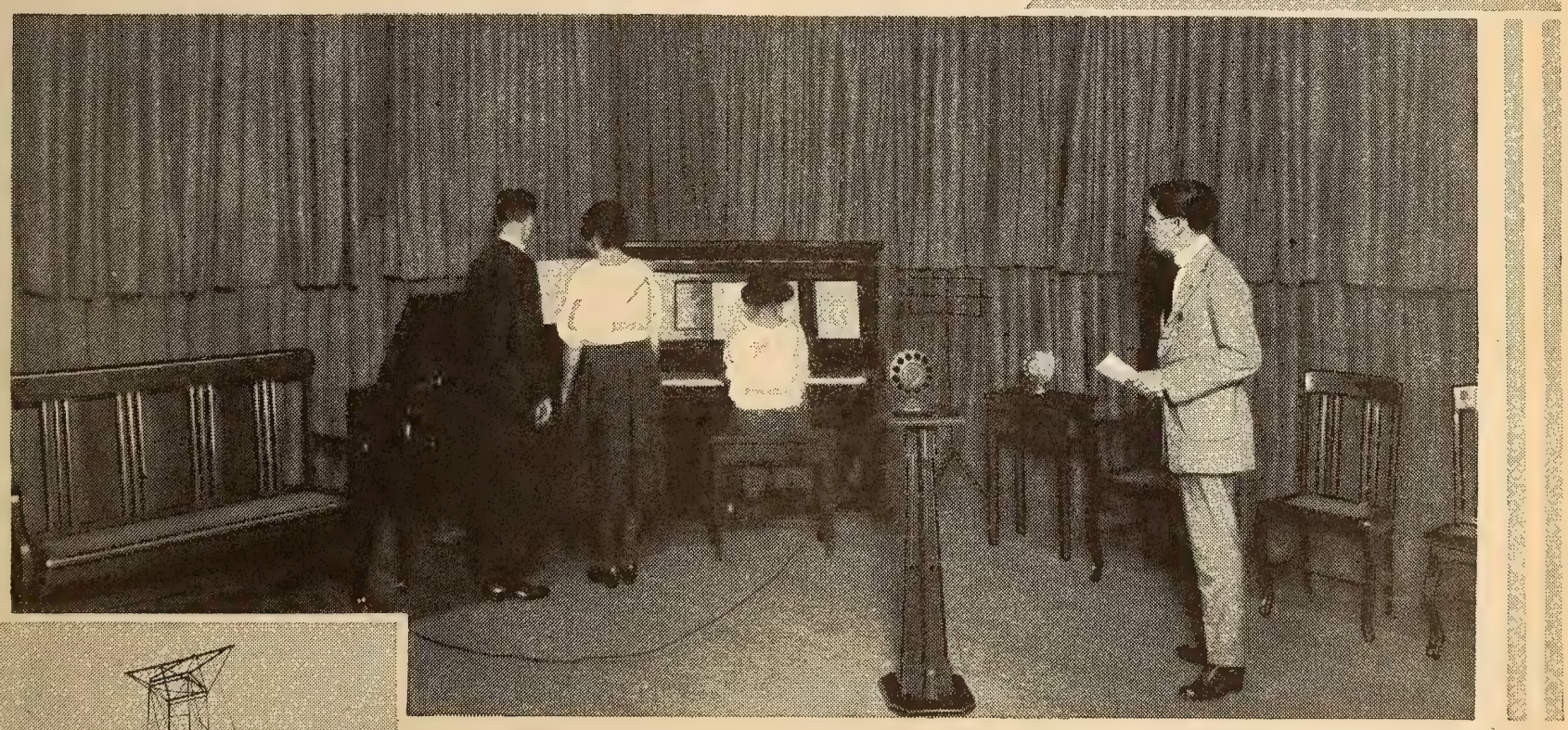
ISLAND Territory in Antilles Entertains Listeners on Both Sides of Atlantic. Announcer Is Spokesman for the Isle.

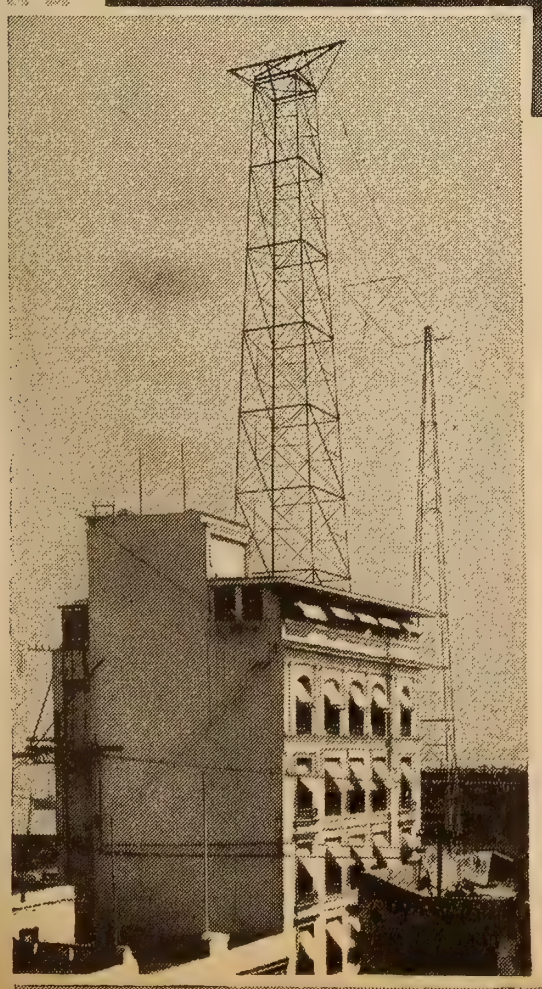
AS THE Florida stampede grows and it begins to look as though the swarms of tropical tourists are going to be crowded off the edges of the peninsula into the ocean, it is possible part of the traffic stream may detour to Porto Rico—"The Island of Enchantment."

Here the snow dodgers should find complete happiness for it NEVER, NEVER snows in Porto Rico. The average daily temperature is 80 degrees. The island is 100 miles long and 36 miles wide and was ceded to the United States by Spain after the Spanish-American war. There are over a million inhabitants on the island and all loyal Americans, adopted by act of congress in 1917. Each year has found a new increase of visitors and permanent inhabitants from the States. The country is verdant and hilly; the highest peak is over 3,600 feet.

Along the coast are crystal clear lagoons. Coral reefs bend into the sea and there are plentiful sandy beaches. San Juan, the capital and metropolis, is quite modern—a fact acknowledged by Radio listeners on both sides of the Atlantic for programs broadcast from WKAQ have been heard in Spain as well as on both American continents.

"Whose is the voice with the Spanish accent?" has been a frequent query of American fans after listening to WKAQ, an American call signal. The voice is the author of the following story, Joaquin Agusty.





At the top is Joaquin Agusty, announcer at WKAQ, San Juan, Porto Rico, the "announcer with the Spanish accent." Mr. Agusty is a young Radio enthusiast and takes his responsibilities in the Radio world with proper seriousness. He writes that he feels his voice is the voice of Porto Rico itself and he tries to make it the most friendly voice of all. Above is a scene in the WKAQ studio during an evening's program. Below is the antenna of the WKAQ station.

By JOAQUIN AGUSTY

SINCE December, 1922, the voice of WKAQ has been heard through the crowded ether by the Radio fans of the world.

It is a powerful voice, quite different from the more delicate tones that come from those familiar friends, KDKA, WGY, WGN, KGO and their sister stations in the United States. But of all the voices speaking it tries to be the friendliest and most cordial because it is the voice of Porto Rico, itself, "The Island of Enchantment," speaking for a people, a country surrounded by a boundless ocean.

And not only is WKAQ speaking to its own island but it is sending the voice of Porto Rico to make friends in hundreds of cities and lonely farm houses in America, Cuba, England and Spain.

It is as though our beautiful island were suddenly made personal and articulate and endowed with a voice capable of disregarding the handicap of distances of oceans.

What do you know about Porto Rico and its broadcasting station? It will be of particular interest to the real Radio enthusiast to describe somewhat in detail this WKAQ which, in a sense, belongs to us all. Especially is it of interest to citizens of the United States for over our microphone floats the Stars and Stripes at its most eastern outpost.

WKAQ is the Radiophone station of the Radio Corporation of Porto Rico, affiliated with the International Telephone and Telegraph corporation of 41 Broad Street, New York. It is installed in the top floor of the Telephone building, in the center of the city of San Juan, and its geographical position is Lat. North 18°, 25′, 4″, Long. West 66°, 6′, 57″. The station occupies four rooms. The transmitter is the standard Western Electric 500-watt output.

Actual radiation on 834 kilocycles is 6¾ amperes. The antenna is 3 wires 90′ long with 4′ separation between them. Two Milliken steel towers, one 167′ high and the other 87′ on top of the Telephone building, support the antenna, the direction of which is north-south.

The studio walls are covered with a layer of blanket material under curtains to deaden echo, and the floor is heavily carpeted. After some experiments it was found that the ceiling did not require covering. The studio is furnished in contrasting tints of blue.

The reception room is right under the steel tower on top of the building. Artists wait here for their turns at the microphone.

The Radio room is the place for the operator, Mr. E. Camunas and contains all the apparatus except the motor generator and batteries. The power room is in one corner of the building and well separated from the studio. This permits good working conditions without noises.

(*Continued on page 24*)

Radio Mystery

In Bags of Gold **$500.00** **In Cash Prizes**

Will Be Awarded for the Best Solutions

Mystery - Adventure - Murder - Love

The Thrill of Intense Suspense. The Surging Flow of Life's Emotions. Uncanny Cleverness. Overwhelming Love.

Radio Digest
PROGRAMS Illustrated
REG. U. S. PAT. OFF. & DOM. OF CAN.

First Radio Serial Competition in which all will have an opportunity to win fame, honor and

Bags of Gold!

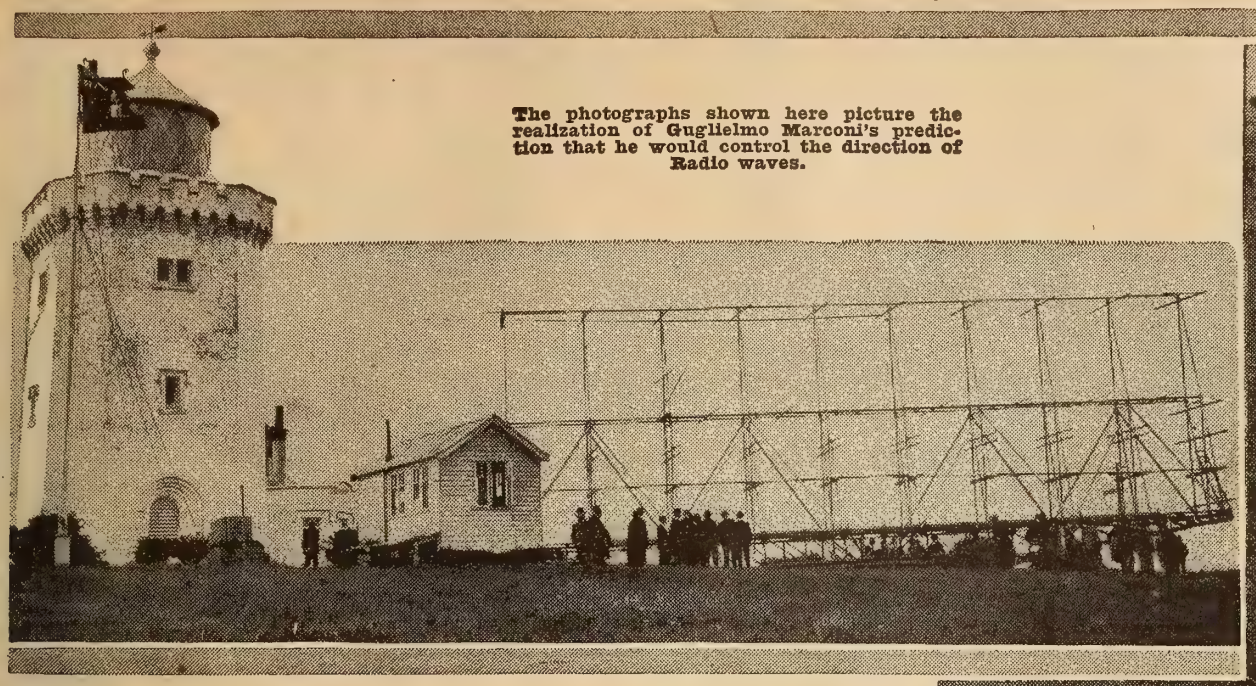
Robert J. Casey

THE Story is by Robert J. Casey, world famed author of "Brothers of the Gun," "Long Arm of Andy Irons," "Vest Pocket Anthology," and over two hundred creepy, mystery stories. He is easily the peer of climax builders; the master mind of imaginative intrigue; the apex of creators of thrilling episodes and unforgetable complexities.

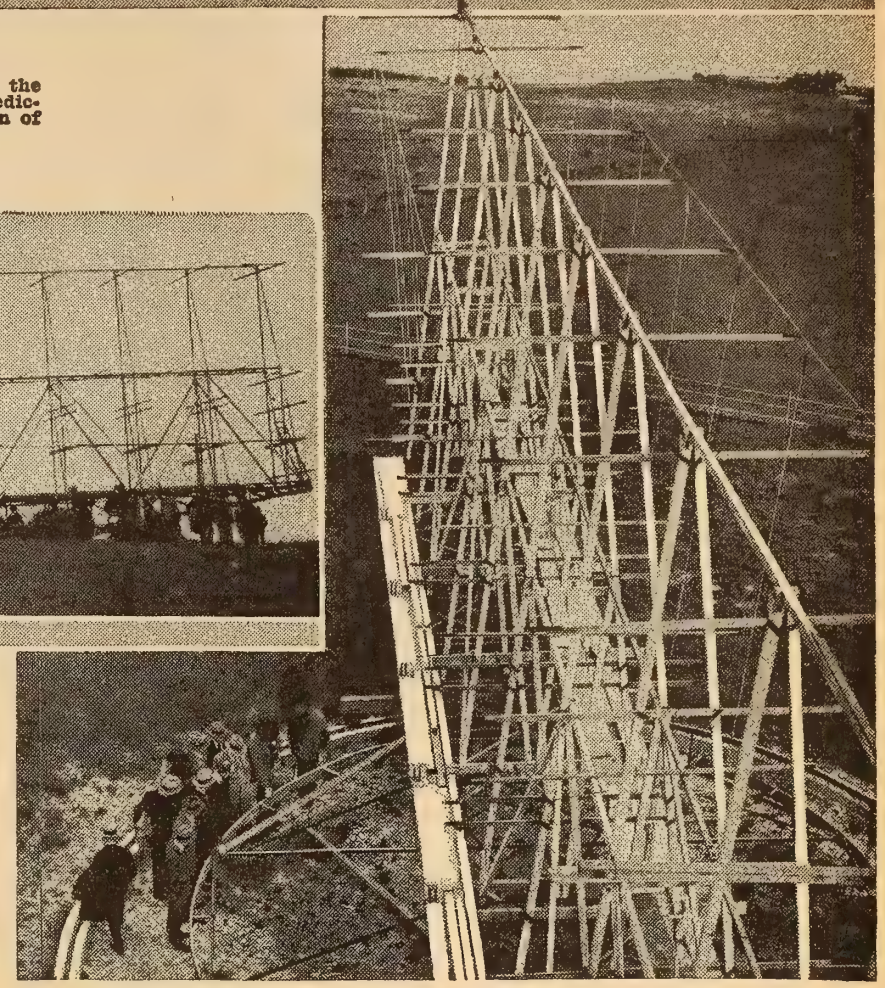
In this story, written especially for Radio Digest, Mr. Casey has risen to new heights in creative fiction. The lust of Gold—unwavering Love—and the mimicry of make-believe, are each pictured in a dialogue and action that will hold you spellbound to the end.

Complete Details of this Amazing Contest Will Appear Next Week

MARCONI ERECTS BIG BEAM STATION



The photographs shown here picture the realization of Guglielmo Marconi's prediction that he would control the direction of Radio waves.



SEARCHLIGHT BEAM Radio transmission was announced several years ago by Marconi to the surprise of everyone interested in Radio and its future. Before that time it was thought that Radio waves would never be controlled. Guglielmo Marconi, who first made wireless telegraph possible, after years of further research told the public that he could direct Radio waves in whatever direction he wished, and that listeners living in other directions would be unable to receive his waves.

Here is his answer to the practicability of his "searchlight beam" Radio invention. In England at the South Foreland lighthouse, he has erected and installed a high-powered beam transmitter and rotating uni-directional antenna.

Besides adding to the secrecy of Radio messages, Mr. Marconi's invention is said to permit a saving of power and dissipated energy. Using much less power than is ordinarily used by transatlantic stations, his beam transmitter at South Foreland has been heard in Australia, equally as strong as the high-power stations.

SIX WIN PRIZES FOR FOREIGN DX REPORT

RADIO DIGEST ANNOUNCES TEST WEEK WINNERS

Iowa Physician Takes $50 First Award for Twenty Overseas Broadcasters —New Yorker Second

Winners of the six prizes, totaling one hundred dollars, offered by Radio Digest for proofs of best reception of foreign stations during the International Radio Week tests are:

First, $50, Dr. J. D. Hullinger, 108 The Weston, Clinton, Iowa. Dr. Hullinger received twenty foreign stations during the first five nights of the tests, exclusive of Mexico. Of the twenty, fourteen were different. His receiver was a nine tube super-heterodyne, home built, coupled to an outside aerial.

Second, $25, Harry Leadbetter, 208 West 103rd street, New York city. Mr. Leadbetter received fourteen different foreign stations, eight of which were different. Mexico was not included. His receiver was a five tube manufactured radio frequency set.

Third, $10, H. Livingston, West Plains, Mo. Although some of the other prize winners received more stations than Mr. Livingston, his distance west of Europe was considered as a handicap. He picked up, exclusive of Mexico, eight foreign stations during four out of the first five nights. Five of these were different. His set was an eight tube super-heterodyne of the four filter type, similar to one described a year ago in these columns.

Fourth, $5, James L. Snyder, Patton, Cambria County, Pa. Mr. Snyder received nine different foreign stations, one of which was only partly verified. Six different foreign stations were among the nine. His set was a manufactured five tube radio frequency receiver.

Fifth, $5, Paul H. Davis, of Chicago, whose receiving post was located at the hunting lodge of Joseph Crum, on the broadwaters near Oyster, Va. In but two nights, Mr. Davis succeeded in bringing in seven different foreign broadcasters. Fourteen stations in all were heard, but confirmable proof was submitted for but seven. His receiver was a manufactured six tube portable radio frequency set.

Sixth, $5, Master Sergeant Louis Hahn, of the 212th coast artillery, 120 West Sixty-second street, New York city. Sergeant Hahn, who submitted his report with unusual military neatness, did not do so well as many other contenders who were less careful, but his record was above the ordinary. He received five foreign stations, four of which were different.

According to the many letters from listeners who entered the International reception contest, over 200 clergymen, many lawyers, doctors and teachers, and a great many women attempted to win the prizes offered. The women's reports were invariably complete with detail. They did not overlook description of what they heard.

However, men still seem to rank as best dial manipulators, so far as DX is concerned. A growing interest on the part of the weaker sex is noted, regardless of its absence of the prize winning list.

Every state in the Union was heard from, but the western states, on the whole, received but few of the European or South American broadcasters. Mexico, most provinces in Canada, and the Bermudas also entered the tilt.

Why Many Contestants Failed

Many excellent reports of reception were passed aside by the judges because some requirement was not met. Some omitted to describe the equipment used. Others were illegible. Still other reports were miserably organized and difficult to check.

It is surprising to note the illegibility of many adults. All of the many thousands of reports of reception were replied to by the International Tests department of Radio Digest, and Confirmation Certificates—if earned—were mailed to fortunate fans, except in cases where legibility was so poor as to prevent proper addressing.

Some listeners evidently received extraordinary well, but did not give sufficient key information to allow checking for confirmation.

Dr. Horace B. Fenton, of Portland, Ore., deserves at least honorable mention. It is therefore awarded to this Westerner for his fourteen-page report, and his constructive criticisms so carefully made. Several hundreds of others contestants, too many by far to list here, are also deserving of honorable mention, but space forbids.

One error in the confirmation programs, published last issue in Radio Digest, must be noted. The wave length of HA, Hamburg was listed as 292.5 meters. The figure should have been 392.5.

260 DIFFERENT KINDS OF SETS HEAR KFNF

SHENANDOAH, Iowa.—Are you planning to buy a new receiving set? Then you'll be interested to learn that KFNF, Henry Field station here, has 260 different makes of sets represented in its audience.

Buy your pick after looking over the few.

The figure was obtained recently when an old-time fiddling contest was broadcast. Thirteen aged fiddlers participated. The listeners were to pick the best of the thirteen, the only condition being that in mailing one's vote the listener must mention the manufacture of his or her receiver.

The total number of votes cast was 23,343, and among the number a variety of 260 different makes of sets picked up the program.

Legion Notes

The Iowa department of the American Legion will broadcast its official program Tuesday evening, February 23, 7:30 to 9:00 p. m. Central time, over Station WHO (526m-570kc). Addresses will be made by National Commander John R. McQuigg; Hanford MacNider, assistant secretary of war and past commander of the Legion; National Adjutant James F. Barton and Governor John Hammill.

A musical program and addresses by the department officers will be broadcast by the Wyoming department of the American Legion over Station KFBU, Laramie, Wyo., (270m-1110kc), Friday, February 26, 9:00 to 11:00 p. m. Mountain time.

The Wisconsin department of the American Legion will broadcast its 1926 barrage, February 22, from Station WKAF, Kesselman-O'Driscoll, Hotel Antlers, Milwaukee, Wis. The program will run from 8:00 p. m. until 2 a. m. Central time, with the exception of an hour between 11 and 12 o'clock.

Station Gives Program for Staunch Listener in Alaska

BUFFALO, N. Y.—WMAK, with studio here, has been heard repeatedly during the last few months by a man who signs himself S. Sheldon, at Haines, Alaska. Buffalo is his native city and he has been so enthusiastic about the WMAK programs that "Al" Erisman, manager of WMAK, put on a complimentary program for S. Sheldon after midnight recently. Among the great variety of musical and other numbers was one in which Walter T. Sheldon, a brother, participated. A telegram of greeting from the father of the brothers who lives in Ohio, was also read for it was the father's birthday.

ZENITH CASE SHOWS NEED OF RADIO LAW

PRESENT SYSTEM UNABLE TO REGULATE ETHER

Acting Secretary Davis Visits Chicago to Discuss Controversy with Radio Supervisor

WASHINGTON.—The urgent need for legislation which would give the secretary of commerce authority to regulate Radio has been stressed by the failure of the district attorney at Chicago to take immediate action against E. F .McDonald, Jr., president of the Zenith Radio Corp., owners of WJAZ. This is the opinion of Senator C. C. Dill and Representative Wallace White, Jr., authors of Radio bills in their respective branches of congress.

In the absence of definite action on the part of the Chicago district attorney against Mr. McDonald for broadcasting on a wave length which he was not authorized to use, officials of the department of commerce refuse to comment on the case.

Davis Visits Chicago

Acting Secretary of Commerce Stephen Davis recently kept a speaking engagement in the Middle West. While there Judge Davis stopped off in Chicago to confer with the district attorney and the local Radio supervisor regarding the case.

Judge Davis refused to disclose his plans before leaving, but it is believed he intends to point out that in his opinion the present law provides sufficient authority for legal action against Mr. McDonald.

Progress of Legislation

There has been no definite action in congress on Radio legislation since the public hearings in the house merchant marine and fisheries committee were concluded. An executive meeting was held in the house regarding the final form the bill should take. Mr. White expects the bill will be reported to the house substantially as drafted before this issue reaches its subscribers.

Indications are that further hearings in the senate on Radio legislation may be deferred until the White bill passes the house.

Receiving sets are to be distributed by a British missionary to natives in the South Sea Islands. Cocoanut palms, 80 to 90 feet high, are to be used for aerial masts.

New and better

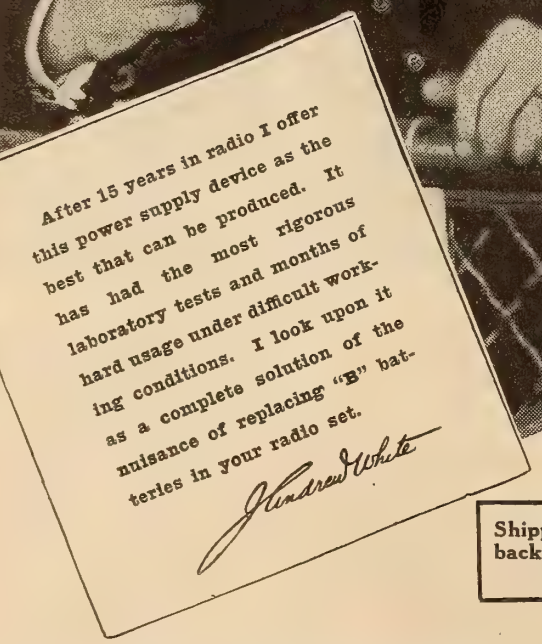
Uses No tube

Ends "B" battery troubles

Andrew White "B" Radio Power Supply

for Alternating Current only

110 Volts 60 Cycle



Major J. Andrew White, America's famous sports broadcaster, pioneer radio editor, the country's first broadcast director and veteran radio dealer and manufacturer.

Shipped on a satisfaction or money-back basis on receipt of price in money order or currency.

Ready for use at all times, 135 volts of "B" battery current, all you need, now or in the future. It delivers steady supply, operating perfectly at all times all sets using up to 9 tubes. The new tubes and modern sets require 135 volts—don't buy less!

No Hum There is no hum. No noise at all. The current is delivered from EIGHT electrolytic cells. NO TUBES TO FLUCTUATE OR TO REPLACE.

Economical Takes so little current you will notice no difference on your electric light bill.

Durable Will deliver the full voltages you require for detector, radio frequency and amplifier tubes, strong and steady year after year, just as if you had brand new batteries all the time.

Convenient Plugs into electric light socket—nothing to get out of order at any time.

Improves Broadcast Reception

Large size condensers and steady current supply improve the performance of your radio set. You will have better quality of speech and music and greater volume.

No Parts Requiring Replacement or Renewal

A few territories now open for established dealers.

J. ANDREW WHITE, 37 West 43rd Street, New York

135 Volts!! Only $38

There is a great demand

Your dealer may not be able to supply you

MAIL THIS COUPON TODAY

J. Andrew White, 37 West 43rd Street, New York.

Enclosed is $38, for which ship me your new and better "B" Radio Power Supply at once, my money to be refunded if I am not satisfied and return the unit in 10 days.

Name .....

Street, RFD or Box No. .....

Shipping Point .....

Post Office ..... **State** .....

HOW TO COOK MEAT TO GET FULL VALUE

BETTY CROCKER PREPARES POT ROAST RECIPE

Food Expert Tells Importance of Selecting Right Cuts for Satisfaction and Economy

Have you heard, and do you regularly listen for Betty Crocker's Radio talks? Miss Crocker is nationally known as a home food specialist who is broadcasting from a dozen of the country's largest stations. By special arrangement Radio Digest has secured a series of exclusive articles by Miss Crocker dealing with her current Radio talks. These broadcasts are made through WEEI, WEAF, WCAE, WGR, WEAR, WWJ, WDAF, WJAR, WHT, WFI, KSD, KFI, and WCCO, the Gold Medal station at Minneapolis-St. Paul. All of Miss Crocker's recipes and discussions are based upon actual investigations and work of herself and her assistants in model kitchens.—Editor's Note.

By Betty Crocker.

MEAT is one of the most important items on our food bill, so every woman should know how to select the best cut for any particular use, and also how to prepare and serve it so as to give the greatest satisfaction to the family, as well as to secure the most for her money. In order to do this, every housewife should make a careful study of the different cuts of meats and their uses.

It is always easy to remember that meat, that is, lean meat, is muscle. The muscles which the animal uses most are more developed. Consequently, the meat from those cuts are much tougher than from the other parts of the animal not used so much. That is why a shank or a shoulder cut is much tougher than a loin or a rib cut.

To understand the cookery of meat, you should know the structure of it. Lean meat is made up of bundles of tiny fibers. These fibers are so small that they cannot be seen without the aid of the microscope. Each little fiber is a tube filled with the juices of the meat, and the fibers are held together by what we call connective tissue.

The difference between tough and tender cuts of meat is that the tough cuts have long coarse fibers and more connective tissue and the tender cuts have shorter fibers and every little tissue.

(Continued on page 12)

TWO LEADERS IN RADIO FIELDS

Three months ago, Ruth Warren, (below) knew nothing of Radio. Today she is head of the Radio department of a large store in Asheville, N. C., and is regarded as an expert in building receivers.

Mrs. Helen Fisher, (above), conducts "Mothers' Hour" every Monday afternoon and a flower talk every Wednesday afternoon as special features of KFNF, the Henry Field station at Shenandoah, Iowa. Mrs. Fisher receives thousands of letters each week attesting the popularity of her broadcasts. She is considered a flower and garden authority.

SHORT WAVES

By Marcella

Why S. V. L., don't you know that the "Red-Headed Music Maker" you recently heard at WSAI, Cincinnati, is none other than Wendell Hall? Paging Lou Ferris and Herb Beerman. I am not sure just where these gentlemen are, but I'll find out for you. Anybody knowing them real intimately are welcome to write.

* *

Ford and Glen, and Ralph Emerson, al of WLS, come in for many inquiries. Here's to dispel all doubts regarding Ford and Glen for Anna, who is "just a middle-aged" fan and probably won't worry over their matrimonial inabilities. I say the latter, for, first of all, both boys are married. Each has a boy. The boys are about eight years old each. Both Ford and Glen drive cars. In fact motoring is the hobby of the team, individually and collectively.

How did they meet? Through Radio and Edgar Bill, director of WLS. He heard Glen playing an organ in Chicago. He knew of Ford's ability. He matched the two together. When they met, it turned out to be a reunion, much to the surprise of Mr. Bill. Ford and Glen knew one another some years ago in St. Louis.

Ford (Rush) was born in New Orleans, which is properly pronounced "N'Awlins." Age about thirty-two, weight about 175 pounds, height six feet. Glen (Rowell) was born in Pontiac, Ill., where they feed 'em corn, hence his 218 pounds. Has lived about twenty-eight years, likes pie and cake, stands five feet eight inches tall. Next?

* *

Oh yes, while speaking of Ford and Glen, one cannot forget Ralph Emerson, also of WLS. None of my inquirers do, either. They always ask about the three. Well, Ralph is a hard-working organist without a wife. His age is about thirty, weight about 185, height five feet ten. No, he doesn't drive a car. Too busy. His eyes are blue and his hair is inclined to be blonde. No mustache, sorry. What

(Continued on page 12)

WOMEN'S PROGRAMS INDEX

Saturday, February 20

Eastern	Central	Mountain	Pacific
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.

WWJ (352.7m-850kc) Tonight's dinner.
11 10 9 8
WEAR (389.4m-770kc) Home service talk.
WHT (399.8m-750kc) Women's club, Jean Sargent.
12 n. 11 10 9
WGN (302.8m-990kc) Household hints.
WQJ (447.5m-670kc) "Stories About Famous Pictures," Marjorie Curry.
1 p. m. 12 n. 11 10
KMA (252m-1190kc) Domestic science topics.
12:30 11:30 10:30 9:30
WGN (302.8m-990kc) Discussion of fashions.
12:35 11:35 10:35 9:35
KYW (535.4m-560kc) Table talk.
4 3 p. m. 2 p. m. 1 p. m.
KJR (384.4m-780kc) Tonight's dinner.

Monday, February 22

Eastern	Central	Mountain	Pacific
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.

WWJ (352.7m-850kc) Tonight's dinner.
10 9 8 7
WJZ (454.3m-660kc) Women's hour.
WRC (468.5m-640kc) Women's hour.
10:45 9:45 8:45 7:45
WEAF (491.5m-610kc) Home service talk, Betty Crocker.
WFI (394.5m-760kc) Gold Medal talk, Betty Crocker.
WTAG (268m-1120kc) Talk, Marjorie Woodman, nurse.
10:50 9:50 8:50 7:50
WMC (499.7m-600kc) Home economics discussion, Miss Kitty.
11 10 9 8
WEAR (389.4m-770kc) Home service talk.
WHT (399.8m-750kc) Women's club, Jean Sargent.
WNYC (526m-570kc) Women's program.
WTIC (475.9m-630kc) "Professional Candy Making," Dorit Weigert.
11:15 10:15 9:15 8:15
WTIC (475.9m-630kc) Fashion talks, Marion Down.
11:30 10:45 9:30 8:30
KFAB (370.7m-880kc) "Four-H Club Recipes That Please Dad," Jessie Greene.
WTIC (475.9m-630kc) Housewife's forum.
11:45 10:45 9:45 8:45
WCCO (416.4m-720kc) "Sunday Dinner Made Easy," Betty Crocker.
WDAF (365.6m-820kc) "Sunday Dinner Made Easy," Betty Crocker.
WHT (399.8m-750kc) Home service talk, Betty Crocker.
12 11 10 9
WGN (302.8m-990kc) Household hints.
WQJ (447.5m-670kc) "Tropical Woods From Which Your Furniture Is Made," Maud Jacobs.
12:15 p. m. 11:15 10:15 9:15
KYW (535.4m-560kc) Meat talk.
12:30 11:30 10:30 9:30
WEBH (370.2m-810kc) Fashion and household talks.
12:35 11:35 10:35 9:35
KYW (535.4m-560kc) Table talk.
2:15 1:15 p. m. 12:15 p. m. 11:15
WQJ (447.5m-670kc) "Questions Women Are Asking," "What Shall I Have for Dinner," "Today's Pick-Up Recipes."
2:30 1:30 12:30 11:30
KFNF (263m-1140kc) Mothers' hour.
3 2 1 12 n.
WCCO (416.4m-720kc) Women's hour.
WSOE (246m-1220kc) Cooking chats.
4 3 2 1 p. m.
WIP (508.2m-500kc) Market hints for housewives.
WOC (483.6m-620kc) Home management schedule, Aunt Jane.
WQJ (447.5m-670kc) "Biscuit Variations," Helen Downing; "Home Dressmaking," Millian Krauter.
5 4 3 2
KJR (384.4m-780kc) Home helps.
7:15 6:15 5:15 4:15
WKAR (285.5m-1000kc) "Democracy in Family Life," Irma Cross; "Women's Work of Yesterday and Today," Minnie Irons.
7:30 6:30 5:30 4:30
WKAR (285.5m-1000kc) "Color in Wall Treatment," Audrey Hickman; "How Proteins Preserve Efficiency," Martha Hunter.
7:45 p. m. 6:45 p. m. 5:45 p. m. 4:45 p. m.
WKAR (285.5m-1000kc) "Selecting the Accessories of a Costume," Ethel Webb; "Checking Up on Individual Efficiency," Martha Hunter.
8 7 6 5
KFRU (499.7m-600kc) "What, Why and How in Regard to Color," Helen Anderson.

Tuesday, February 23

Eastern	Central	Mountain	Pacific
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.

WWJ (352.7m-850kc) Tonight's dinner.
10 9 8 7
KDKA (309.1m-970kc) Domestic Science. Arts for the Housewife.
WIP (508.2m-590kc) Menu, Anna Scott.
WJZ (454.3m-660kc) Women's hour.
WRC (468.5m-640kc) Women's hour.
10:45 9:45 8:45 7:45
WTAG (268m-1120kc) Talks to Mothers, Rosebelle Jacobus.
11 10 9 8
WEAR (389.4m-770kc) Home service talk.
WHT (399.8m-750kc) Women's club, Jean Sargent.
WMCA (340.7m-880kc) Home makers' hour.
11:35 10:35 9:35 8:35
WOI (270m-1110kc) "We Still Want to Know," Winifred Tilden; home makers period, "When Shall We Send for the Doctor?" L. Lancaster.
12 n. 11 10 9
WGN (302.8m-990kc) Household hints.
WQJ (447.5m-670kc) "The Utility Hat," Lillian Russell.
12:30 p. m. 11:30 10:30 9:30
WEBH (370.2m-810kc) Fashion and household talks.
12:35 11:35 10:35 9:35
KYW (535.4m-560kc) Table talk.
1 12 n. 11 10
KPO (428.3m-700kc) Domestic science talk.
2 1 p. m. 12 n. 11
WGY (379.5m-790kc) Talks.
3:15 2:15 1:15 12:15 p. m.
WHO (526m-570kc) Recipes, household hints.
4 3 2 1
WIP (508.2m-590kc) Menu talk.
WOC (483.6m-620kc) Home management schedule.
WQJ (447.5m-670kc) "Fruits Daily," Helen Downing.
4:30 3:30 2:30 1:30
WLIT (394.5m-760kc) Household helps and hints.
5 4 3 2
KJR (384.4m-780kc) Home helps.
5:30 4:30 3:30 2:30
KOA (322.4m-930kc) Housewives matinee.
6 5 4 3
KOA (322.4m-930kc) Culinary hints, Clara Hoover.
6:15 5:15 4:15 3:15
KOA (322.4m-930kc) Fashion review, Sally Dee.
7 6 5 4
KFOA (454.3m-660kc) Today's recipe.
8 7 6 5
WPG (299.8m-1000kc) Fashion Flashes.
8:30 7:30 6:30 5:30
KGO (361.2m-830kc) As a Woman Thinketh.

Wednesday, February 24

Eastern	Central	Mountain	Pacific
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.

WWJ (352.7m-850kc) Tonight's dinner.
10 9 8 7
WIP (508.2m-590kc) Menu.
WJZ (454.3m-660kc) Women's hour.
WRC (468.5m-640kc) Women's hour.
10:45 9:45 8:45 7:45
WEAF (491.5m-610kc) Home service talk, Betty Crocker.
WFI (394.5m-760kc) Gold Medal Service talk, Betty Crocker.
WTAG (268m-1120kc) Talk to Housewives, Mrs. Lydia Flanders.
11 10 9 8
WHT (399.8m-750kc) Women's club, Jean Sargent.
WNYC (526m-570kc) Women's program.
11:30 10:30 9:30 8:30
KFAB (340.7m-880kc) "Meal Planning an Important Factor in the Home," Maude Vedder.
11:45 10:45 9:45 8:45
WCCO (416.4m-720kc) "Kitchen Economics," Betty Crocker.
WDAF (365.6m-820kc) "Kitchen Economics," Betty Crocker.
WHT (399.8m-750kc) Home service talk, Betty Crocker.
12 n. 11 a. m. 10 a. m. 9 a. m.
WGN (302.8m-990kc) Household hints.
WQJ (447.5m-670kc) "Reducing," Dr. Alice Conklin; "Milk—It Adds to Your Face Value," Aubyn Chin.
12:30 p. m. 11:30 10:30 9:30
WEBH (370.2m-810kc) Fashion and household talks.
WGN (302.8m-990kc) Discussion of fashions.
12:35 11:35 10:35 9:35
KYW (535.4m-560kc) Table talk.
1 12 n. 11 10
KPO (428.3m-700kc) Sewing talk.
3 2 p. m. 1 p. m. 12 n.
WCCO (416.4m-720kc) Woman's hour.
4 3 2 1 p. m.
WLW (422.3m-710kc) Cooking school.
WOC (483.6m-620kc) Home management schedule, Aunt Jane.
WQJ (447.5m-670kc) "Pastry Baking," Helen Downing; "Desserts That Are Different," Jean Rich; "Business Opportunities That Are Different," May Brown.
4:30 3:30 2:30 1:30
KFNF (263m-1140kc) Flower talk.
5 4 3 2
WMAQ (447.5m-670kc) Recipes.
7 6 5 4
KFOA (454.3m-660kc) Today's recipes.
KLX (508.2m-590kc) Woman's hour.
KMA (252m-1190kc) Domestic science talk.
10:30 9:30 8:30 7:30
KOAC (280.2m-1070kc) "Furs," Blanche Stevens; "The Magic House—What Is It Made Of," Jessamine Williams.

Thursday, February 25

Eastern	Central	Mountain	Pacific
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.

WWJ (352.7m-850kc) Tonight's dinner.
10 9 8 7
KFRU (499.7m-600kc), "Think Your Problems Through," Jessie Burrall.
WIP (508.2m-590kc) Menu talk.
WJZ (454.3m-660kc) Women's hour.
WRC (468.5m-640kc) Women's hour.
10:45 9:45 8:45 7:45
WTAG (268m-1120kc) Talk, Marjorie Woodman, nurse.
10:50 9:50 8:50 7:50
WMC (499.7m-600kc) Home economics discussion, Miss Kitty.
11 10 9 8
WEAF (491.5m-610kc) Talks, cookery lecture.
WEAR (389.4m-770kc) Home service talk.
WHT (399.8m-750kc) Women's club, Jean Sargent.
11:35 10:35 9:35 8:35
WOI (270m-1110kc) "The House Dress—What, When and Where," "Give the House an Impartial Appraising," Joanna Hansen.
12 n. 11 10 9
WGN (302.8m-990kc) Household hints.
WQJ (447.5m-670kc) "Food Facts the Homemaker Should Know," Erna Bertrams; "Balanced Meals," Beatrice Cary.
12:30 p. m. 11:30 10:30 9:30
WEBH (370.2m-810kc) Household and fashion talks.
12:35 11:35 10:35 9:35
KYW (535.4m-560kc) Table talks.
1 12 n. 11 10
KPO (428.3m-700kc) Domestic science.
1:35 12:35 p. m. 11:35 10:35
KSAC (340.7m-880kc) "Modern Pied Piper," A. E. Oman; "New Floors for Old," W. G. Ward.
2 1 12 n. 11
WGY (379.9m-790kc) "Music and Games for Children Under School Age," Marjorie Cutler.
4 3 2 p. m. 1 p. m.
WOC (483.6m-620kc) House management schedule, Aunt Jane.
WQJ (447.5m-670kc) "Entertaining the Children," Helen Downing; "Care of the Feet—the Foot Specialist," Dr. Frank Furch; golf lesson, Ralph Thorn.
5 4 3 2
KFOA (454.3m-660kc) Home helps.
KSD (545.1m-550kc) Women's hour.
5:30 4:30 3:30 2:30
KOA (322.4m-930kc) Housewives' matinee.
6 5 4 3
KOA (322.4m-930kc) Culinary hints, Clara Hoover.
6:15 5:15 4:15 3:15
KOA (322.4m-930kc) Fashion review, Sally Dee.
7 p. m. 6 p. m. 5 p. m. 4 p. m.
KFOA (454.3m-660kc) Today's recipe.
KFRU (499.7m-600kc) "Hints on Personal Grooming," Dorothy Logan.
8:15 7:15 6:15 5:15
KSAC (340.7m-880kc) "Old Houses for New," Marie Morris; "The Government and the Rural Home," Amy Kelly.
8:30 7:30 6:30 5:30
WEAO (293.9m-1020kc) "Shopping ofr Early Vegetables," E. Montgomery.
8:50 7:50 6:50 5:50
WOI (270m-1110kc) "What Every Husband Knows," home economics vaudeville program, Margaret Hassart.
9 8 7 6
KFMQ (299.8m-1000kc) "Safety in the Household," D. G. Carter; Women's club talks.

Friday, February 26

Eastern	Central	Mountain	Pacific
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.

WWJ (352.7m-850kc) Tonight's dinner.
10 9 8 7
KDKA (309.1m-970kc) Domestic science and Arts for the Housewife.
WJZ (454.3m-660kc) Women's hour.
WRC (468.5m-640kc) Women's hour.
10:45 9:45 8:45 7:45
WTAG (268m-1120kc) Food hints, Mildred Thomas.
11 10 9 8
WHT (399.8m-750kc) Women's hour, Jean Sargent.
WTIC (475.9m-630kc) "Tuberculosis," Dr. M. Knowlton.
11:15 10:15 9:15 8:15
WEAF (491.5m-610kc) Sunday night suppers, Marie Sellers.
WTIC (475.9m-630kc) "Poetry in Relation to Childhood," Mrs. A. Basten.
11:30 10:30 9:30 8:30
KFAB (340.7m-880kc) "Hints on Household Linens," Elizabeth Rutherford.
WEAF (491.5m-610kc) "Practical Home Management."
WTIC (475.9m-630kc) Housewives' forum.
11:45 10:45 9:45 8:45
WCCO (416.4m-720kc) "Gold Medal Salad Secrets."
WDAF (365.6m-820kc) "Gold Medal Salad Secrets."
WEAR (389.4m-770kc) Home service talk.
12 n. 11 10 9
WGN (302.8m-990kc) Household hints.
WQJ (447.5m-670kc) Sunday Dinner Menu, Ted Wilmes.
12:15 11:15 10:15 9:15
KYW (535.4m-560kc) "Phon Phor Phood," John Cutting."
12:30 p. m. 11:30 10:30 9:30
WEBH (370.2m-810kc) Household and fashion talks.
WGN (302.8m-990kc) Discussion of fashions.
12:35 11:35 10:35 9:35
KYW (535.4m-560kc) Table talk.
1:45 12:45 11:45 10:45
WOAW (526m-570kc) Sunshine Sunday dinner menu.
3 2 p. m. 1 p. m. 12 n.
WCCO (416.4m-720kc) Women's hour.
3:15 2:15 1:15 12:15 p. m.
WHO (526m-570kc) Recipes, household hints.
4 3 2 1
WOC (483.6m-620kc) Home Management, Aunt Jane.
WQJ (447.5m-670kc) "Seventh Domestic Science Lesson—Invalid Cookery," Helen Downing; "Pineapple—a Hawaiian Rhapsody," Mary Martin.
4:30 3:30 2:30 1:30
WFAA (475.9m-630kc) Homemakers program.
WMAQ (447.5m-670kc) Foibles of the Moment.
5 4 3 2
KJR (384.4m-780kc) Home helps.
KYW (535.4m-560kc) Woman's hour.
5:15 4:15 3:15 2:15
WMAQ (477.5m-670kc)
5:30 4:30 3:30 2:30
KOA (322.4m-930kc) Housewives matinee.
6 5 4 3
KOA (322.4m-930kc) Culinary hints
6:15 5:15 4:15 3:15
KOA (322.4m-930kc) Fashion review.

AN EVENING AT HOME WITH THE LISTENER IN
IN EASTERN TIME

Call	Location	Met.	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday
AT9	Fort Bragg, N. C.	435	Silent	6:00- 7:00	Silent	Silent	Silent	8:00- 9:55	Silent
CFCA	Toronto, Ont.	356.9	Silent	7:00- 9:00	6:45- 7:45	Silent	7:00-12:00	Silent	Silent
CFCN	Calgary, Alta.	434.5	12:00- 2:00	Silent	Silent	Silent	Silent	10:00-11:00	Silent
CJCA	Edmonton, Can.	516.9	11:00- 1:00	9:30-10:30	9:30-11:30	9:30-10:00	8:00-10:00	11:00- 1:00	10:00- 1:00
CKAC	Montreal, Que.	410.7	7:00-11:30	2:45- 3:45	Silent	7:00-11:30	Silent	7:30- 9:30	Silent
CKNC	Toronto, Ont.	356.9	8:00-10:00	Silent	8:00-11:00	Silent	Silent	Silent	Silent
CKY	Winnipeg, Man.	384.4	9:00-12:00	8:00-11:00	9:00- 1:00	Silent	8:30-12:00	9:30-12:00	Silent
CNRO	Ottawa, Ont.	434.5	8:30- 1:30	Silent	Silent	Silent	8:30- 1:30	Silent	Silent
CYL	Mexico City, Mex.	480	Silent	10:24-11:54	Silent	10:24-11:54	Silent	Silent	10:24-11:54
CZE	Mexico City, Mex.	350	9:24-10:24	Silent	9:24-10:24	9:24-10:24	9:24-10:24	9:24-10:24	9:24-10:24
KDKA	Pittsburgh, Pa.	309.1	6:30- 9:55	4:00- 8:45	6:30- 9:55	6:30-12:35	6:30- 9:55	6:30-12:00	6:30- 9:55
KFAB	Lincoln, Nebr.	340.7	6:30-10:30	5:00-12:00	6:30-11:30	6:30-11:30	6:30-11:30	Silent	6:30-11:30
KFDM	Beaumont, Texas	315.6	Silent	9:00-10:00	Silent	9:00-11:30	Silent	Silent	9:00-11:30
KFI	Los Angeles, Calif.	467	9:00: 6:00	7:00- 2:00	9:00- 2:00	9:00- 2:00	9:00- 2:00	9:00- 2:00	9:00- 2:00
KFJF	Okla. City, Okla.	261	7:30-11:45	3:30-12:45	7:30-11:45	7:30- 8:30	7:30- 1:00	7:30-11:45	7:30-11:45
KFKX	Hastings, Nebr.	288.3	6:30- 7:30	Silent	10:00-12:00	6:30- 7:30	10:00-12:00	8:00- 9:00	10:00-12:00
KFMQ	Fayetteville, Ark.	299.8	Silent	Silent	Silent	8:30- 9:30	9:00-10:00	Silent	Silent
KFMX	Northfield, Minn.	336.9	Silent	8:00- 9:00	Silent	10:30-11:00	10:00-11:00	Silent	11:00-12:00
KFNF	Shenandoah, Ia.	263	8:00-10:00	8:30- 9:30	8:00-10:00	8:00-10:00	8:00-10:00	8:00-10:00	8:00-10:00
KFOA	Seattle, Wash.	454.3	11:30- 2:30	Silent	9:45- 1:00	9:45- 1:00	9:45- 1:00	Silent	9:45- 2:30
KFRU	Columbia, Mo.	499.7	Silent	8:30- 9:30	7:15- 8:15	7:15- 8:15	10:00-12:00	7:15- 8:15	7:00- 3:00
KFUO	St. Louis, Mo.	545.1	Silent	5:00-11:15	9:00-10:00	Silent	10:15-11:15	Silent	Silent
KFVE	Univ'ty City, Mo.	240	10:15-11:15	Silent	10:15-11:15	10:15-11:15	10:15-11:15	Silent	10:15-11:15
KFWB	Hollywood, Calif.	252	10:45- 3:00	12:00- 2:00	10:00- 3:00	10:00- 3:00	10:00- 3:00	10:00- 3:00	10:10- 3:00
KFXF	Colorado Springs,	250	9:00-11:00	7:30- 9:00	8:30-10:30	8:30-10:30	Silent	9:00-11:00	Silent
KGO	Oakland, Calif.	361.2	11:30- 3:00	6:30-12:30	9:00- 1:00	9:00- 2:00	9:00-10:00	11:00- 2:00	9:00-10:00
KGW	Portland, Ore.	491.5	9:00- 3:00	10:25- 1:00	9:00-12:00	9:00- 3:00	9:00- 2:00	9:00-11:00	12:00- 1:30
KHJ	Los Angeles, Calif.	405.2	9:00- 2:00	9:30- 1:00	Silent	9:30- 2:00	9:00- 2:00	9:00- 4:00	9:30- 2:00
KIAF	Sihtipok, Minn.	421	Silent	3:00- 4:00	8:00- 9:00	Silent	8:00- 9:00	Silent	8:00- 9:00
KJR	Seattle, Wash.	384.4	11:30- 1:00	10:15-12:00	10:00- 2:00	11:30- 1:00	10:00- 1:00	11:30- 3:00	11:30- 2:00
KLDS	Independence, Mo.	440.9	9:00-10:00	7:30-11:00	Silent	9:00-12:59	Silent	9:00-10:00	Silent
KLX	Oakland, Calif.	508.2	Silent	Silent	7:00- 1:30	Silent	7:00- 1:00	Silent	7:00- 1:30
KMA	Shenandoah, Iowa	252	7:00-12:00	5:00- 7:00	7:00-12:00	7:00-12:00	7:00-12:00	7:00-12:00	7:00-12:00
KNX	Hollywood, Calif.	336.9	9:15- 5:00	5:00- 1:30	9:15- 3:00	9:15- 2:00	9:15- 3:00	9:15- 2:00	9:15- 3:00
KOA	Denver, Colo.	322.4	11:00- 1:00	5:00-10:45	8:30-12:30	8:30-10:30	8:30- 2:00	8:30- 9:30	8:30-11:00
KOB	State College, N.M.	348.6	Silent	Silent	9:30-10:30	Silent	Silent	Silent	9:30-10:30
KOIL	Council Bluffs, Ia.	278	8:00- 4:00	8:00- 1:00	7:00- 1:00	7:00- 1:00	7:00- 8:15	7:00- 1:00	7:00- 1:00
KPO	San Francisco, Cal.	428.3	9:35- 3:00	8:00- 2:00	9:40- 2:00	9:15- 2:00	9:15- 2:00	9:15- 2:00	9:30- 2:00
KPRC	Houston, Texas	296.9	8:30- 1:00	8:30-11:30	8:30-11:00	8:30-10:30	8:30- 1:00	8:30- 1:00	Silent
KPSN	Pasadena, Cal.	315.6	11:00- 1:00	9:45-11:45	Silent	11:00-12:30	Silent	11:00-12:00	Silent
KSD	St. Louis, Mo.	545.1	7:45-11:00	7:15-10:15	7:55-12:00	7:55-11:00	8:00-10:00	7:55-11:00	8:30-10:00
KSL	Salt Lake City, Ut.	299.8	10:00- 1:00	11:00- 1:00	10:00- 1:00	11:00- 1:00	10:00- 1:00	10:00- 1:00	11:00- 1:00
KTAB	Oakland, Calif.	240	Silent	10:45- 2:00	11:00- 1:00	11:00- 1:00	Silent	12:00- 3:00	11:00- 1:00
KTBI	Los Angeles, Calif.	293.9	Silent	10:15-12:30	Silent	11:00-12:00	Silent	11:00-12:00	Silent
KTCL	Seattle, Wash.	305.9	Silent	12:10- 9:10	10:00-11:00	11:00-12:00	Silent	Silent	10:00- 3:00
KTHS	Hot Springs, Ark.	374.8	10:00-12:00	10:00-12:30	10:00-12:00	10:00-12:00	10:00-12:00	10:00-12:00	10:00-12:00
KTW	Seattle, Wash.	455	9:30-10:30	Silent	Silent	9:30-10:30	Silent	9:30-10:30	Silent
KWKH	Shreveport, La.	261	10:00- 1:00	8:00-12:00	10:00-12:30	10:00- 1:00	Silent	9:00-10:30	Silent
KWSC	Pullman, Wash.	348.6	Silent	Silent	10:30-12:00	Silent	10:30-12:00	Silent	10:30-12:00
KWWG	Brownsville, Tex.	278	7:00- 8:00	3:30- 4:30	9:30-10:30	7:00- 8:00	7:00- 8:00	7:00- 8:00	7:00- 8:00
KYW	Chicago, Ill.	535.4	8:00-11:00	5:00- 9:00	Silent	8:00- 1:30	8:00- 2:30	8:00- 1:30	8:00- 2:30
NAA	Radio, Va.	434.5	Silent	Silent	7:45- 8:00	7:45- 8:00	7:25- 8:40	7:45- 8:00	7:45- 8:00
PWX	Havana, Cuba	400	8:30-11:00	Silent	8:30-11:00	8:30-11:00	8:30-11:00	Silent	Silent
WADC	Akron, Ohio	258	6:30- 7:30	6:30- 7:30	6:30- 7:00	6:30-11:30	6:30- 7:30	6:30-11:00	6:30-11:00
WAHG	Richmond, N. Y.	315.6	12:00- 2:00	Silent	8:00- 2:00	Silent	7:30-12:00	Silent	8:00-11:00
WAMD	Minneapolis, Minn	244	7:15- 1:00	8:00-11:00	8:00- 1:00	9:45-10:45	8:00- 1:00	7:15- 1:00	8:05- 1:00
WBAL	Baltimore, Md.	246	Silent	6:30- 7:30	6:30-10:00	6:30- 9:00	Silent	6:00-10:00	6:30- 9:00
WBAP	Fort Worth, Tex.	475.9	10:30-12:00	10:30-12:00	8:30- 1:00	8:30-12:00	Silent	8:30- 1:00	8:30- 1:00
WBAR	Sisiht, Wis.	406	Silent	11:00-12:00	10:00-11:00	Silent	9:00-10:00	8:30- 9:30	Silent
WBBM	Chicago, Ill.	226	9:00- 2:00	9:00- 3:00	7:00- 8:00	9:00- 1:00	9:00- 3:00	9:00- 1:00	9:00-11:00
WBBR	Staten Island, N.Y.	272.6	8:00-10:00	9:00-10:15	8:00- 9:00	Silent	Silent	8:00- 9:00	Silent
WBCN	Chicago, Ill.	266	10:00- 2:00	6:00- 1:00	Silent	10:00- 2:00	9:00- 1:00	10:00- 3:00	10:00- 2:00
WBZ	Springfield, Mass.	333.1	6:30- 8:30	8:00- 9:00	6:30-11:05	6:30-10:02	6:30- 9:45	6:30-10:00	6:30-11:05
WCAE	Pittsburgh, Pa.	461.3	8:30- 9:30	6:30- 8:20	6:30-12:00	8:00-11:00	8:30-10:00	9:00-11:00	8:00- 9:30
WCAP	Washington, D. C.	468.5	Silent	4:00-10:15	7:00-11:00	Silent	6:45-12:00	Silent	6:00-12:00
WCAU	Philadelphia, Pa.	278	Silent	5:00-11:30	8:00-11:30	6:45-12:00	6:45- 1:00	6:30-12:00	7:30-11:30
WCBD	Zion, Ill.	344.6	Silent	9:00-11:30	Silent	9:00-11:30	Silent	9:00-11:30	Silent
WCCO	Minn-St. P., Minn.	416.4	7:15-12:05	5:10- 9:15	7:00-11:00	7:15-11:00	8:00- 1:30	8:00-12:05	7:15-12:05
WCX	Detroit, Mich.	516.9	6:00- 7:00	7:15- 8:15	6:00- 9:00	6:00-11:00	6:00- 9:00	6:00- 9:00	6:00-11:00
WDAF	Kansas City, Mo.	365.6	7:00- 2:00	5:00- 5:45	7:00- 2:00	7:00- 2:00	7:00- 2:00	7:00- 2:00	7:00- 2:00
WDBO	Winter Park, Fla.	240	9:00-10:30	5:00- 6:00	9:00-10:30	9:30-11:00	9:00-10:30	9:00-10:30	9:00-10:30
WDWF	Providence, R. I.	440.9	Silent	Silent	Silent	8:30- 9:30	Silent	Silent	Silent
WEAF	New York, N. Y.	491.5	6:00-12:00	2:00-10:15	6:00-12:00	6:00-12:00	6:00-12:00	6:00-12:00	6:00-12:00
WEAO	Columbus, Ohio	293.9	Silent	Silent	Silent	7:00- 9:00	8:00- 9:00	8:00-11:00	Silent
WEAR	Cleveland, Ohio	389.4	7:00- 1:00	7:00-10:15	8:00-12:00	7:00-10:00	7:00- 8:00	7:00-11:00	7:00-11:00
WEBH	Chicago, Ill.	370.2	8:00- 3:00	6:00-10:00	Silent	8:00- 1:30	8:00- 1:30	8:00- 1:30	8:00- 1:30
WEBJ	New York, N. Y.	272.6	Silent	Silent	Silent	8:00- 9:00	8:00-10:00	Silent	7:00- 9:00
WEEI	Boston, Mass.	348.6	Silent	7:20-10:20	8:30-10:00	8:00-11:00	8:00-10:00	8:00-11:00	8:30-11:00
WENR	Chicago, Ill.	266	7:00- 3:00	3:00-12:30	Silent	7:00-11:00	7:00- 3:00	7:00-11:00	7:00- 3:00
WFAA	Dallas, Tex.	475.9	9:30- 1:00	7:30-12:00	7:30-10:30	7:30- 1:00	Silent	7:30- 1:00	7:30-10:30
WFBH	New York, N. Y.	272.6	11:30- 2:00	5:00- 8:00	11:30- 2:00	11:30- 2:00	11:30- 2:00	11:30- 2:00	11:30- 2:00
WFI	Philadelphia, Pa.	394.5	8:00- 9:30	7:30- 8:30	Silent	8:00-12:00	Silent	8:00-11:00	Silent
WGBS	New York, N. Y.	315.6	6:00-11:30	8:00- 9:00	7:00- 7:15	6:30-11:30	6:00- 8:30	6:00- 8:45	Silent
WGBU	Fulford, Fla.	278	6:30- 1:00	9:30-12:00	6:30- 1:00	6:30- 1:00	6:30- 1:00	6:30- 1:00	6:30- 1:00
WGCP	New York, N. Y.	252	Silent	8:00-11:15	8:00-11:00	Silent	8:00-11:15	Silent	8:00-11:00
WGES	Oak Park, Ill.	250	11:30- 3:00	11:30- 3:00	Silent	11:30- 3:00	11:30- 3:00	11:30- 3:00	11:30- 3:00
WGHB	Clearwater, Fla.	266	6:30- 1:00	Silent	6:30- 1:00	6:30- 1:00	6:30- 1:00	6:30- 1:00	6:30- 1:00
WGHP	Detroit, Mich.	270	Silent	Silent	7:00- 9:00	7:00- 9:00	7:00- 9:00	9:00-11:00	9:00-11:00
WGN	Chicago, Ill.	302.8	7:30-11:00	4:00-10:15	Silent	7:30-12:00	7:30-12:00	7:30-12:00	7:30-12:00
WGR	Buffalo, N. Y.	319	Silent	7:45-10:15	8:30- 1:00	8:00-11:00	8:00- 1:00	8:00-11:00	8:45- 1:00
WGY	Schenectady, N. Y.	379.5	9:00-12:00	6:30-10:00	6:30- 8:30	7:00-11:00	Silent	6:45-11:30	7:15-10:30
WHAD	Milwaukee, Wis.	275	Silent	4:15- 5:15	7:15-11:00	7:15- 8:00	7:15- 1:30	7:15- 8:00	7:15-11:00
WHAR	Atlantic City, N. J.	275	7:30-10:30	7:50- 1:15	7:30-10:00	7:30- 1:15	Silent	7:30-11:00	7:30- 1:15
WHAS	Louisville, Ky.	399.8	8:30-10:00	5:00- 6:00	Silent	8:30-10:30	8:30-10:00	8:30-10:00	8:30-10:00
WHAZ	Troy, N. Y.	379.5	Silent	Silent	9:00-12:00	Silent	Silent	Silent	Silent
WHB	Kansas City, Mo.	365.6	Silent	9:00- 2:30	8:00- 9:00	8:00-11:00	8:00- 9:00	8:00-11:00	8:00- 9:00
WHN	New York, N. Y.	361.2	7:30-10:00	5:00- 5:30	8:00-12:00	9:30-10:00	10:00-11:30	8:00-10:00	7:30-12:30
WHO	Des Moines, Ia.	526	Silent	5:00- 9:30	8:30- 1:00	8:30- 1:00	7:30- 1:00	8:30- 1:00	8:30- 1:00
WHT	Chicago, Ill.	399.8	8:00- 2:00	1:00-11:30	Silent	8:00- 2:00	8:00- 2:00	8:00- 2:00	8:00- 2:00
WIBO	Chicago, Ill.	226	7:00- 9:00	7:00- 1:00	Silent	7:00- 4:00	7:00- 4:00	7:00- 4:00	7:00- 3:00
WIP	Philadelphia, Pa.	508.2	8:00-12:05	Silent	Silent	8:00- 1:00	Silent	8:00- 1:00	Silent
WJAR	Providence, R. I.	305.9	Silent	7:20-10:15	8:00-10:00	7:30-10:00	7:30-11:00	8:00-11:00	8:00-12:00
WJAS	Pittsburgh, Pa.	275.3	7:00-12:00	Silent	7:00-12:00	7:00-12:00	7:00-12:00	7:00-12:00	7:00-12:00
WJAX	Jacksonville, Fla.	336.9	8:00-10:00	7:30- 8:30	8:00-10:00	8:00-12:00	8:00-10:00	8:00-12:00	8:00-10:00
WJAZ	Chicago, Ill.	322.4	Silent	Silent	Silent	Silent	Silent	11:00- 1:00	Silent
WJJD	Mooseheart, Ill.	370.2	7:00- 1:00	9:45-11:00	Silent	7:00- 2:00	7:00- 2:00	7:00- 2:00	7:00- 2:00
WJR	Pontiac, Mich.	516.9	7:00-12:30	Silent	7:00-12:30	7:00-10:00	7:00-12:30	7:00-12:00	7:00- 9:00
WJZ	New York, N. Y.	454.3	7:00-11:30	8:00-11:00	8:15- 9:15	8:10-11:30	9:30-11:30	8:30-11:00	8:15-10:45
WKAQ	San Juan, P. R.	340.7	Silent	Silent	Silent	Silent	7:00- 9:00	7:00- 9:00	7:00- 9:00
WKAR	Lansing, Mich.	285.5	12:30- 2:00	Silent	7:00- 8:00	Silent	8:00- 9:15	Silent	7:00- 8:00
WKRC	Cincinnati, O.	422.3	11:00- 1:45	6:45- 1:30	7:00- 2:00	11:00- 1:00	7:00- 2:00	11:00- 1:15	Silent
WLIB	Chicago, Ill.	302.8	7:00- 2:00	6:00- 8:00	Silent	8:00- 2:00	8:00- 2:00	8:00- 2:00	8:00- 2:00
WLIT	Philadelphia, Pa.	394.5	Silent	Silent	7:30-11:00	Silent	7:30-11:00	Silent	7:30-11:00
WLS	Chicago, Ill.	344.6	8:45- 2:00	7:30- 8:55	Silent	8:00- 9:00	8:00-12:30	8:00- 9:55	8:00-12:30
WLW	Cincinnati, O.	422.3	8:00-11:30	4:00-10:30	8:30-10:00	7:30-11:00	8:00- 1:00	8:00- 2:15	Silent
WLWL	New York, N. Y.	288.3	Silent	7:00- 8:00	8:00-10:00	8:00- 9:00	Silent	8:00-10:00	Silent
WMAK	Lockport, N. Y.	265.5	6:15-10:30	7:30- 8:30	7:30- 9:00	6:15- 7:15	7:30-10:00	6:15- 7:15	Silent
WMAQ	Chicago, Ill.	447.5	9:00-11:00	Silent	Silent	9:00-11:15	9:00-10:45	8:00-12:00	9:00-11:15
WMAZ	Macon, Ga.	261	Silent	Silent	10:00-11:00	8:00- 9:00	11:00-12:00	10:00-11:00	8:00-11:00
WMBB	Chicago, Ill.	250	8:00-12:00	4:00-12:00	Silent	8:00-12:00	8:00-12:00	8:00-12:00	8:00-12:00
WMBF	Miami Beach, Fla.	384.4	7:00- 1:00	7:00- 1:00	7:00- 1:00	7:00- 1:00	7:00- 1:00	7:00- 1:00	7:00- 1:00
WMC	Memphis, Tenn.	499.7	8:30-10:30	Silent	8:30-10:30	8:30- 1:00	Silent	8:30-10:30	8:30- 1:00
WMCA	New York, N. Y.	340.7	9:00- 1:00	7:00-10:00	9:00-12:00	8:00-12:00	9:00-12:00	9:00-12:00	8:00-11:45
WNAC	Boston, Mass.	280.2	8:00-10:00	3:00- 9:30	8:00-10:00	8:00-10:00	8:00-10:00	8:00-10:00	8:00-10:00
WNYC	New York, N. Y.	526	7:00-10:30	9:00-11:00	7:35-10:30	7:10-10:30	7:30-10:30	7:35-10:30	7:30-10:30
WOAI	San Antonio, Texas	394.5	Silent	8:45- 9:45	Silent	9:30-10:30	9:30-10:30	Silent	9:30-10:30
WOAN	Lawrenceb'g, Tenn.	282.8	Silent	10:00-11:00	10:00- 2:30	10:00-11:00	10:00-11:00	10:00-11:00	10:00-11:00
WOAW	Omaha, Nebr.	526	7:00- 1:00	7:00-10:00	7:00-11:00	7:00- 2:00	Silent	7:00- 2:00	7:00-12:15
WOAX	Trenton, N. J.	240	Silent	9:30-11:30	Silent	Silent	Silent	Silent	Silent
WOC	Davenport, Ia.	483.6	10:00- 1:00	7:30-12:45	Silent	7:30-12:15	7:30-11:00	7:30- 1:00	7:30-10:45
WOK	Homewood, Ill.	217.3	11:00- 2:00	7:30-9:30	7:00- 2:00	11:00- 2:00	11:00- 2:00	11:00- 2:00	11:00- 2:00
WOO	Philadelphia, Pa.	508.2	Silent	7:30- 8:30	6:00- 7:00	7:30- 8:30	7:30-12:00	7:30- 8:30	7:30-12:00
WOQ	Kansas City, Mo.	278	9:00-12:00	9:00-10:15	Silent	9:00-10:00	Silent	8:00-10:00	Silent
WOR	Newark, N. J.	405.2	6:15- 8:30	Silent	6:15- 9:30	6:15- 7:30	6:15-10:00	6:15- 7:30	6:15- 7:30
WORD	Batavia, Ill.	275	9:00-10:00	3:30-11:00	Silent	8:00- 1:45	8:00-11:00	9:00-11:30	8:00- 1:45
WOS	Jefferson City, Mo.	440.9	Silent	9:00-10:00	9:00-11:00	Silent	9:00-11:00	Silent	9:00-11:00
WPG	Atlantic City, N. J	299.8	7:00-12:00	4:15-12:00	7:00-12:00	8:00-12:00	Silent	7:00-12:00	7:00-12:00
WQJ	Chicago, Ill.	447.5	8:00- 4:00	8:00-11:00	Silent	8:00- 3:00	8:00- 3:00	8:00- 3:00	8:00- 3:00
WRC	Washington, D. C.	468.5	7:00-11:30	Silent	Silent	7:00-11:00	Silent	7:00-11:00	Silent

Call	Location	Met.	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday
WREO	Lansing, Mich.	285.5	10:00-12:00	Silent	Silent	8:15-10:00	Silent	8:15-10:00	Silent
WRVA	Richmond, Va.	256	Silent	Silent	8:10-10:10	Silent	8:10-11:00	9:30-12:30	7:00-11:00
WRW	Tarrytown, N. Y.	273	9:00-11:30	8:00-11:30	9:00-11:30	9:00-11:30	9:00-11:30	9:00-11:30	9:00-11:30
WSAI	Cincinnati, O.	325.9	8:30-10:15	8:45-11:15	11:00- 1:00	7:30-11:30	11:00- 1:00	8:00-11:00	Silent
WSB	Atlanta, Ga.	428.3	9:00- 1:00	8:30-10:15	9:00- 1:00	9:00- 1:00	11:45- 1:00	9:00- 1:00	9:00- 1:00
WSM	Nashville, Tenn.	[illegible]	8:15-12:00	8:30- 9:30	8:00-12:00	Silent	8:00-12:00	Silent	Silent
WSMB	New Orleans, La.	282.8	9:30-11:30	Silent	9:30-12:30	Silent	9:30-11:30	9:30-12:00	Silent
WSUI	Iowa City, Ia.	483.6	Silent	10:15-10:45	8:30-10:00	Silent	Silent	Silent	Silent
WTAG	Worcester, Mass.	268	Silent	4:00-10:15	7:00-11:00	7:45-11:00	7:00-11:00	8:00-11:00	8:00- 9:00
WTAM	Cleveland, O.	389.4	6:00-12:00	Silent	6:00-12:00	6:00- 7:00	6:00-12:00	6:00- 7:00	6:00- 7:00
WTIC	Hartford, Conn.	475.9	6:30-12:00	5:00-10:30	6:30-12:00	Silent	6:30-10:00	6:30- 7:30	6:30-12:00
WWJ	Detroit, Mich.	352.7	Silent	6:20-10:00	6:00- 9:00	6:00- 9:00	6:00-10:00	6:00-12:30	6:00-10:00

STATIONS IN ORDER OF WAVE LENGTHS

Meters	Call	Meters	Call	Meters	Call	Meters	Call	Meters	Call	Meters	Call
217.3	WOK	270	WGHP	299.8	KSL	348.6	KOB	399.8	WHT	467	KFI
226	WBBM	272.6	WBBR	299.8	WPG	348.6	KWSC	400	PWX	468.5	WCAP
226	WIBO	273	KWKH	302.8	WGN	348.6	WEEI	405.2	KHJ	468.5	WRC
240	KFVE	272.6	WEBJ	302.8	WLIB	350	CZE	405.2	WOR	475.9	WBAP
240	KTAB	272.6	WFBH	305.9	KTCL	352.7	WWJ	406	WBAR	475.9	WTIC
240	WDBO	273	WRW	305.9	WJAR	356.9	CFCA	410.7	CKAC	475.9	WFAA
240	WOAX	275	WHAR	309.1	KDKA	356.9	CKNC	416.4	WCCO	480	CYL
244	WAMD	275	WORD	315.6	KFDM	361.2	KGO	421	KIAF	483.6	WOC
246	WBAL	275.3	WJAS	315.6	KPSN	361.2	WHN	422.3	WLW	483.6	WSUI
250	KFXF	278	KOIL	315.6	WAHG	365.6	WDAF	422.3	WKRC	491.5	KGW
250	WGES	278	KWWG	315.6	WGBS	365.6	WHB	428.3	WSB	491.5	WEAF
250	WMBB	278	WCAU	319	WGR	370.2	WEBH	428.3	KPO	499.7	KFRU
252	KFWB	278	WGBU	319	WSMB	370.2	WJJD	434.5	CNRO	499.7	WMC
252	KMA	278	WOQ	322.4	KOA	374.8	KTHS	434.5	CFCN	508.2	KLX
252	WGCP	280.2	WNAC	322.4	WJAZ	379.5	WGY	434.5	NAA	508.2	WIP
256	WRVA	282.8	WOAN	325.9	WSAI	379.5	WHAZ	435	AT9	508.2	WOO
258	WADC	282.8	WSM	333.1	WBZ	384.4	CKY	440.9	KLDS	516.9	CJCA
261	KFJF	285.5	WKAR	336.9	KNX	384.4	KJR	440.9	WDWF	516.9	WCX
261	KWKH	285.5	WREO	336.9	KFMX	384.4	WMBF	440.9	WOS	516.9	WJR
261	WMAZ	288.3	KFKX	336.9	WJAX	389.4	WEAR	447.5	WMAQ	526	WHO
263	KFNF	288.3	WLWL	340.7	KFAB	389.4	WTAM	447.5	WQJ	526	WNYC
265.6	WMAK	293.9	KTBI	340.7	WKAQ	394.5	WFI	454.3	KFOA	526	WOAW
266	WBCN	293.9	WEAO	340.7	WMCA	394.5	WLIT	454.3	WJZ	535.4	KYW
266	WGHB	296.9	KPRC	344.6	WCBD	394.5	WOAI	455	KTW	545.1	KFUO
268	WTAG	299.8	KFMQ	344.6	WLS	399.8	WHAS	461.3	WCAE	545.1	KSD

HOW TO PREPARE MEAT

(Continued from page 11)

When we cut a piece of meat we cut across the fiber, leaving the ends open so that the juice can run out. That is why we sear the meat the first thing when cooking.

Save Valuable Meat Juices.

By searing we mean cooking over the outside of the meat very quickly so that the cut ends of the little fibers are sealed tight, preventing the loss of any more of the juices.

It is because the flavor of the meat is found in these juices that we are so careful to retain them. The meat juices stimulate the production of the digestive juices in the stomach and thus stimulate the appetite. That is why clear soup is served at the first course for dinner and is also why beef broth is given to invalids and convalescents.

Meat is largely protein and protein must be cooked at a low temperature. If it is cooked quickly or at a high temperature, it becomes tough and leathery. For that reason the directions for cooking meat always read "sear it very quickly at first and then cook it slowly for as long as is necessary to complete the cooking."

Cooking Tougher Meats; Pot Roast.

Tender cuts of meat, such as roast and steak, may be baked or broiled, but the tougher cuts should be cooked for a long time, very slowly, and in moist heat, that is, with some water. It would never do to cook a pot roast or a stew in a dry oven as we do a roast, or on a broiler as we do a steak.

Moisture and the long slow cooking are absolutely necessary to make the meat tender and palatable. For a pot roast we use a tougher cut of meat than that selected for the oven roast. Sometimes the bottom of the round is used or the chuck or the neck. Here is the kitchen tested recipe for pot roast:

Four pounds of chuck, 2 tablespoons of flour, 4 tablespoons of dripping, 3 teaspoons of salt, and 1 quart of cold water.

Method: Wipe the meat with a cloth wrung out of cold water. Rub over the surface with flour. Sear on all sides in the hot drippings until brown. Season with salt. Add water and cook SLOWLY until tender. (About 2½ hours).

Never wash meat in water, as that will dissolve out some of the precious juices. The searing of the meat in the hot fat not only helps to keep in the juices, but also carmelizes the surface of the meat, giving us a good brown color and a rich flavor. For searing, heat the fat in an iron pot or in a kettle in which the roast is to be cooked. Otherwise much of the good flavor will be lost.

Helpful Hints for Pot Roast.

Any kind of meat drippings may be used, suet or bacon fat or fat from the meat itself. Be sure to sear it well on all sides. You will notice that the salt is not added until after the meat is seared. That is also to help retain the juices. If it is necessary to add more water during cooking, add boiling water, as cold water would retard the cooking. Let me add once more—cook the pot roast SLOWLY. A good sauce may be made by pouring a can of tomatoes over the roast for the last hour of cooking.

After the pot roast is done, remove it from the pan and add more water to the liquid in the pan. Then make a thin paste of flour and cold water, using the proportion of 2 tablespoons of flour to each cup of liquid, and equal proportions of flour and fat. Pour the paste into the hot liquid and stir constantly. Add salt to taste, and cook slowly 10 minutes. In many cases gravy is not cooked long enough to cook the starch in the flour, the result being a raw, starchy taste.

For serving, the pot roast may be garnished with vegetables. For example, arrange carrots cut lengthwise to make a border around the platter, or place the pot roast in the center of the platter with the potatoes at one end and some other vegetable opposite.

SHORT WAVES

By Marcella

(Continued from page 11)

does he do when he isn't playing the organ? Well, then he teaches organ playing for the Barton organ school.

* *

"Old Timer" is Sen Kaney, "Mike," Gladyce and Ina. He's married to a very jealous wife. Watch out. He's about thirty-two years old. Bobby Brown, another KYW favorite, whose Overseas Uke is legend, is married. His age, twenty-eight. Lee Sims, who tickles the Steinway at KYW's Congress hotel studio, is likewise a benedict and about thirty-four years young. Evidently this trio's "Gloom Chasing Hour" is drawing the ladies to the receivers. Sure, they're on every Tuesday, Thursday and Saturday afternoon.

* *

"Helen" thinks she has one on me. Read what she says—all of it:

"Noted in your paragraph about E. L. Tyson of the Detroit News that you did not say YOU danced WITH him at the cabaret. I'll fager five cents worth of applesauce you carry a MISTER before your name. Be careful or I'll be asking for YOUR photo, autographed! Incidentally, what can you tell me about Maurie Blumenthal of WGN Drake hotel orchestra fame? I have a case and want to be cured. Five children and a wife might help, or even his picture.—Helen."

Another insult! Why you girls get the idea that I am a mere man, I can't fathom. But I won't send you my picture! Now about Maurie. He is NOT married. Went to University of Illinois. Is only twenty-three years old but he plays piano, arranges and sings as if he had years of experience. Since Maurie is matrimonially on the market, I will add that he drives a fast, rakish coupe and keeps the windshield and windows dusty so the public can't see him and his. Hair, black and straight; weight, about 165 pounds.

* *

Harry Snodgrass, the "King of the Ivories?" I don't know where he is. Last I heard of him, which was, by the way, several months ago, he was doing a number of stations throughout the South. He and Witten are probably back in vaudeville, with an anti-Radio clause in their contract. These no-Radio-appearance contracts hurt an artist's popularity, don't you think?

* *

The Gold Dust Twins prefer to remain a mystery. They are however, experienced artists (white) with enviable reputations behind the footlights. Olive says their southern melodies are best. Everyone agreed?

* *

What deep secret would you like to know about your favorite broadcast star? Drop me a note, girls and boys, and I'll do by best to answer here. MARCELLA.

ADVANCE PROGRAMS FOR THE WEEK

Saturday, February 20

Headliners Today

Eastern	Central	Mountain	Pacific
7 p. m.	6 p. m.	5 p. m.	4 p. m.

WJZ (454.3m-660kc), WRC (468.5m-640kc), U. S. Navy band concert.

8:15 7:15 6:15 5:15
WGY (379.5m-790kc), Fourth anniversary program.
8:30 7:30 6:30 5:30
KDKA (309.1m-970kc) Westinghouse band concert.
9 8 7 6
WSM (282.8m-1060kc), Barn dance program.
9:30 8:30 7:30 6:30
WEAF (491.5m-610kc) Musical comedy troupe.
WMAQ (447.5m-670kc), "George Washington."
WTIC (476.9m-630kc), Arcadia Ladies' quartet.
10 9 8 7
WOR (405.2m-740kc) Serenader's Plectrum quartet.
10:45 9:45 8:45 7:45
KTHS (374.8m-800kc) Honolulu frolic.
WSB (428.3m-700kc) Hired Help Skylark.
11 10 9 8
KFI (467m-642kc) All-American string quartet.
KHJ (405.2m-740kc), Program, Treasure Hunt announcement.
11:10 10:10 9:10 8:10
KGO (361.2m-830kc), "Olivette," comic opera.
12 m. 11 10 9
KPRC (296.9m-1010kc), The Phantoms.
2 a. m. 1 a. m. 12 11
KNX (336.9m-890kc), Filmland Frolickers.

Saturday, silent night for: CFAC, CFCA, CNRA, CNRC, CNRE, CNRM, CNRR, CNRT, CNRV, CNRW, KFDM, KFKX, KFKU, KFMX, KFRU, KFUO, KFXF, KLX, KMA, KOAC, KOB, KQP, KSAC, KSO, KTAB, KWSC, WABQ, WCX, WDOD, WEAO, WEBJ, WEBW, WEEI, WGCP, WGST, WHAD, WHAZ, WGR, WHN, WHO, WIP, WJAR, WJAZ, WKAQ, WKAR, WLIT, WLWL, WMAZ, WOAI, WOS, WRVA, WTAG, WTIC, WWJ.

Eastern Time Stations

CHIC, Toronto, Can. (356.9m-840kc), 10:30 p. m., dance program, Al Linton's orchestra.

CKNC, Toronto, Can. (356.9m-840kc), 4 p. m., chamber orchestra, Charles E. Bodley, director; Arthur VanderVoort, bass; Hazel Hall-VanderVoort, soprano; 8-10, Charles E. Bodley and his dance orchestra; Elgar male quartet.

CNRO, Ottawa, Can. (434.5m-690kc), 7:30 p. m., Cosy Corner for girls and boys, Uncle Dick; 8, Chateau Laurier concert orchestra; 8:45, Alice Valiquet, soprano; Nico Poppeldoff, violinist; Chateau Laurier dance orchestra.

KDKA, Pittsburgh, Pa. (309.1m-970kc), 7:15, 8 a. m., exercises, O. Shannon, conductor; 5:45, Daddy Winkum; 6:30, dinner concert, T. J. Vastine, conductor; 8:30, concert, Mrs. Edna Reed, contralto.

PWX, Havana, Cuba (400m-750kc), 8:30-9:15 p. m., dance music; 9:25-10:10, concert.

WAFD, Port Huron, Mich. (275m-1090kc), 10-12 p. m., Harrington hotel dance music; 12, Ether Buster club. p. m., Austin Wylie's Vocalion Recording orchestra;

WAHG, Richmond Hill, N. Y. (315.6m-950kc), 12:03 p. m., Joe Zimmerman, pianist; 12 midnight, Weinzoff's concert orchestra.

WBBR, New York, N. Y. (273m-1100kc), 8 p. m., Carl Park, violinist; 8:10, L. Marion Brown, soprano; 8:30, Carl Park, violinist; 8:40, "Comfort for the People," Bible discussion; 8:50, L. Marion Brown, soprano.

WBZ, Springfield, Mass. (333.1m-900kc), 6:30 p. m., Little symphony orchestra, KDKA; 6:45, Hotel Lenox ensemble; 7:45, Daniel Kuntz and his Repertory theater concert orchestra; 8:15, musical program, Hotel Brunswick studio; 9:15, violin recital, Evelyn LaFrance Daly; Mrs. Eleanor Turner LaZazzerr, accompanist, 9:30, program, Louise Boyce, soprano; Thelma Bugbee pianist and accompanist; 9:45, Lee Reiman's Hotel Brunswick orchestra.

WCAE, Pittsburgh, Pa. (461.3m-650kc), 3 p. m., music, Nixon Cafe; 6:30, dinner concert, William Penn hotel; 7:30, Sunshine girl; 8:15, Youngstown artists.

WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., dinner program, Goldkette ensemble.

WEAF, New York, N. Y. (491.5m-610kc), 6:45, 7, 7:20 a. m., "Tower Health Exercises," to WEAF, WEEI, WCAP; 7:45-8, "Morning Prayer Service," under the auspices of the Greater New York Federation of Churches; 4 p. m., Louis Fisher's dance orchestra; 5, Vincent Lopez and his orchestra from Ritz Carlton hotel; 6, dinner music, Hotel Waldorf-Astoria; 7, Josephine Evans quartet; 7:15, Long Island Grotto B. U. G. club; 7:30, Josephine Evans quartet; 7:40, Long Island Grotto B. U. G. club; 7:55, "Character Sketches," Eugene Lincoln; 8:10, Einar Hansen, violinist; 8:30, Minnie Weil, pianist; 8:45, Irvine Players—one-act Radio plays; 9:15, musical selections, string trio; 9:30, WEAF musical comedy troupe; 10, Ross Gorman and his orchestra from Monte Carlo; 11-12 Vincent Lopez and his orchestra from Casa Lopez.

WEAO, Columbus, Ohio (293.9m-1020kc), 8 p. m., Michigan-Ohio State basketball game, A. Lee Henderson, announcer.

WEAR, Cleveland, Ohio (389.4m-770kc), 7 p. m., Hotel Statler concert orchestra, Maurice Spitalny, director; 12 midnight, Wormack's singing syncopators.

WEEI, Boston, Mass. (348.6m-860kc), 6:45 a. m., Tower health exercises; 8 p. m., Boston symphony orchestra, Serge Koussevitsky, conductor; 10, Lucerne Girls' quintet.

WFI, Philadelphia, Pa. (394.5m-760kc), 10 a. m., meeting, American Academy of Political and Social Science, conference on Modern Crime, the Prevention and Detection—speakers, Hon. Ellen C. Potter; Fred L. Hoffman, William McAdoo, Chief Magistrate of New York; Joseph K. Willing; **1 p. m.,** tea room ensemble; 3, Peter Muhlenburg Chapter, Daughters of American Revolution; Puccini string trio; Helen Rowley, violinist, Jean Modave, cellist, Kathryn O'Boyle, pianist; Virginia Snyder, accompanist; soprano solos, Laura E. Manwaring, Fanny Shirver, accompanist; 6:30, Bellevue-Stratford concert orchestra; 7, Bellevue-Stratford dance orchestra; 8, musical program; 8:15, American Academy of Political and Social Science, speakers, Lynn G. Adams, Superintendent Penn. State Police; Mabel Willebrandt, Asst. Attorney General of U. S.; Edwin M. Abbott, Phila. Dept. of Public Safety; 9:15, studio program; 11, Bellevue-Stratford dance orchestra.

WGBS, New York, N. Y. (315.6m-950kc), 1:30 p. m., Katherine Conolly, songs; 2, Joe Kahn, tenor; 3, Orpheus ensemble; 6, Uncle Geebee; 6:30, Jacksonville Five; 7, Joseph Halligan, tenor; 8:30, Clifford W. Cheasley, philosopher; 8:40, Domingo Diego, Spanish tenor; 9:20, Joseph Parisi, trumpeter; 9:30, Rita Redhord, soprano; 10, Fauna Gressier and Albert Cartier, duets; 10:30, Arrowhead Inn dance orchestra.

WGCP, New York, N. Y. (252m-1190kc), 3 p. m., Miami Ramblers; 3:30, Andy Razof; 3:45-4, program; 4:15, Joe Turkel, tenor; 4:30, Ramopo Ramblers; 5, William Goble, tenor; 8:30, Strickland's orchestra; 9, ukulele; 9:20, J. Lee, songs; 9:40, Jama Yama Boys; 10, Della Riordan, female baritone; 10:15, program; 10:30, Strickland's orchestra.

WGHB, Clearwater, Fla. (266m-1130kc), 6:30-7:30 p. m., dinner music; 8:30-9:30, David Gootenberg, violinist, Marion Hoffman, pianist; 11:45-1 a. m., Radio Ramblers midnight frolic.

WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., dinner program; 8:15, program, celebrating Fourth Anniversary of WGY.

WHAR, Atlanitc City, N. J. (275m-1090kc), 2 p. m., Seaside hotel trio; 7:30, lecture period; 8, Seaside hotel trio.

WIP, Philadelphia, Pa. (506.2m-590kc), 6:45 a. m., setting-up exercises; 7, setting-up exercises; 10, menu talk, Mrs. Anna B. Scott; 10:30, reducing exercises; 1 p. m., organ recital; 3, Dal Ruch and his Arcadians; 6:05, Benjamin Franklin concert orchestra; 7, Uncle Wip; Ernest McCorkle, cornetists; 8, sports corner, Dr. Francois D'Eliscu; 10:05, Benjamin Franklin hotel El Patio orchestra; 11:05, organ recital.

WJAX, Jacksonville, Fla. (336.9m-890kc), 3:30 p. m., Hemming Park band concert, Vessella's band, Oreste Vessella, conductor; 7:30, music memory contest; 8-10, popular program.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Jean Goldkette's symphony orchestra; 11:30, "The Merry Old Chief" and his "Jewett Radio Jesters."

WJZ, New York, N. Y. (545.3m-660kc), 11 a. m., Philharmonic children's concert, Ernest Schilling, conductor; 7, U. S. navy night; 9:15, N. Y. public library concert, Lenox string quartet.

WLIT, Philadelphia, Pa. (394.5m-760kc), 12:02 p. m., daily almanac; Arcadia cafe concert orchestra; Stanley theater organ recital; 2, Rose Tree Cafe orchestra; 4:30, dance orchestra; 7:30, Ben Franklin concert orchestra.

WMAK, Buffalo, N. Y. (266m-1130kc), 6:15-7:15 p. m., dinner music; Hotel Lafayette trio; 7:30-8:30, musical program; 8:30-9, musical program, Wolff's Furniture House; 9-9:30, musical program, Beaver Products company; 9:30-10:30, musical program, Sunrise Point Development company.

WMBF, Miami Beach, Fla. (384.4m-780kc), 7-9 p. m., Fleetwood Radio orchestra; 10-1 a. m., Gene Fosdick and his orchestra; Fleetwood Radio orchestra.

WMCA, New York City, N. Y. (340.7m-880kc), 6 p. m., Olcott Vail and his Hotel McAlpin string ensemble; 6:30, Woodmansten Inn orchestra; 7, Jack Denny's orchestra; 8, current events; 9, Tracy Pearl musical program; 10:30, Norman Pearce, readings; 11, Ernie Golden and his Hotel McAlpin orchestra.

WNAC, Boston, Mass. (280.2m-1070kc), 6 p. m., The Smilers, Clyde McArdle, conductor; 6:30, Shepard colonial dinner dance, Billy Lossez, director; 8, program; 9, varied program, artists from De Vry entertainment service; 10, Copley-Plaza orchestra, W. Edward Boyle, director; popular selections, Jack Fay, Rose Goldberg, accompanist.

WNYC, New York, N. Y. (526m-570kc), 7 p. m., song recital; 7:35, The Seville trio; 8, Margaret Zeidler-Stiefel, soprano; 8:15, piano recital; 8:30, Margaret Zeidler-Stiefel; 8:45, piano recital; 9, Paul Haeussler, composer-pianist with assisting artists; 10:10, Travel Talk, board of education lecture service.

WOO, Philadelphia, Pa. (508.2m-590kc), 11 a. m., organ recital; 12:02 p. m., Golden's crystal tea room orchestra; 4:45, organ recital; 7:30, A. Candelori's concert orchestra.

WOR, Newark, N. J. (405.2m-740kc), 2:30 p. m., Ritz Central Park Casino tea music; 3:15, Triangle club, Princeton university; 6:15, Bill Wathey of the Telegram staff in sports; 6:30, Jacques Jacobs' Hotel Shelton ensemble; 7:30, Van's Collegians; 8, Phil Cook, the musical chef; 8:15, Mischa Goodman, violinist; 8:45, Westall Gordan, tenor-cellist; 9:15, LaForge-Berumen, musicale; 10, Serenaders' Plectrum quintet; 10:30, Serenaders' Plectrum quintet.

WPG, Atlantic City, N. J. (299.8m-1000kc), 1:30 p. m., Hotel Morton luncheon music; 6:45, Arthur Scott Brook, organist; 7, Hotel Ambassador dinner music; 8, dancing lesson; 8:15, dance music of all countries; 9, Hotel Traymore concert orchestra; 10, Nick Nichols' dance orchestra; 11, dance orchestra, Elks Home.

WRC, Washington, D. C. (469m-640kc), 12 noon, organ recital, Homer L. Kitt studios; 1 p. m., Hamilton hotel orchestra, Daniel Chawlow, director; 7, concert, U. S. navy band, Lieutenant Charles Benter, leader; 9:15, concert, WJZ; 10:30, Crandall's Saturday Nighters.

WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., Speed-Wagon serenaders; Gold Standard ensemble; 10-12, Speed-Wagon serenaders.

WTAG, Worcester, Mass. (268m-1120kc), 10:30 a. m., musical selections; 12:05-2 p. m., noonday luncheon music, WTAG orchestra, Will Hardy, director; 3-5, Tea Dansant music, WTAG orchestra; 5:15, "The Twinkle Twinkle Story Teller."

WTAM, Cleveland, Ohio (389.4m-760kc), 12:30-1:30 6-7, Carl Rupp and his Hotel Hollenden orchestra; 8-9, Hollenden hour; 9-12, Ev Jones and his gang.

WTIC, Hartford, Conn. (475.9m-630kc), 6:30 p. m., "Skinny and his Gang"; 6:50, Hotel Bond trio; 8, Sunday school period, Prof. A. J. W. Myers; 8:30, Walter M. Cole and assisting artists; 9:30, Arcadia ladies quartet; 10:30, dance music, Emil Heimberger's Hotel Bond orchestra.

WWJ, Detroit, Mich. (352.7m-850kc), 9:30 a. m., "Tonight's Dinner"; 12:05 p. m., Jules Klein's Hotel Statler orchestra; 3, Detroit News orchestra.

Central Time Stations

CKY, Winnipeg, Can. (384.4m-780kc), 9 p. m., concert, J. A. Banfield Limited, Royal Alexandra hotel.

KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., dinner concert; 8:30-9:30, Schmoller and Mueller musicale; 12-2 a. m., orchestra.

KFEQ, Oak, Nebr. (267.7m-1120kc), 2-3 p. m., Oak talent; 8:30-10, Hazel Olson.

KFKX, Hastings, Nebr. (288.3m-1040kc), 5:30 p. m., dinner concert relay, KDKA; 9-2 a. m., program, Hotel Clarke studio; vocal and instrumental classical music; sacred devotional period; special and unique musical features; popular music by several orchestras.

KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., Scotch concert, E. S. Dodds, director; 11, old-time fiddling.

KFRU, Columbia, Mo. (499.7m-600kc), 4:30-5:30 p. m., Bella Vista Quadrangle orchestra.

KFVE, University City, Mo. (240m-1250kc), 9:15 p. m., amusement review, Romaine Fielding; dramatic readings; Solon Neeley, organist; harmonica duo.

KLDS, Independence, Mo. (441m-680kc), 8 p. m., request program; Dr. Harry Cooper, organist; Mrs. E. N. Brinkman, contralto; E. N. Brinkman, baritone; Mrs. Harry Spokesfield, pianist; Louise Mason, soprano.

KMA, Shenandoah, Ia. (252m-1190kc), 11:30-12:30 p. m., rural program; How do you do Boys, Grady and Doc; 6-7, popular dinner hour program; 9-11, pipe organ recital, William Howie.

KMMJ, Clay Center, Nebr. (229m-1310kc), 1:30 p. m., Old Trusty special afternoon program; 8:30, brass band and solos.

KMOX, St. Louis, Mo. (280.2m-1070kc), 12:30 p. m., organ recital, Arthur L. Utt; 3, string ensemble music with soloists; 4, string ensemble music with soloists; 6, organ recital, Arthur L. Utt; 7, Little symphony, David Bittner, Jr., conductor; the schoolmaster; Ada Stewart, soloist; 8, Little symphony; "Colonel 6121"; Oscar B. Franz quartet; 9, Little symphony; Jack Powers, baritone; 10, Little symphony; Clay Ballew, Negro spirituals.

KOIL, Council Bluffs, Iowa (278m-1080kc), 5 p. m., Randall's Royal Fontenelle orchestra; 5:30, McCrory's music period, Cleo Kearse, conductor; 6:30, Randall's Royal Fontenelle orchestra; 7:30, program, Gene Stirling; 11, Hugo Heyn and his Happy Hollow club orchestra; 12 midnight, Randall's Royal Fontenelle orchestra; Fontenelle pow-wow.

KPRC, Houston, Tex. (296.9m-1010kc), 12 noon, Jack Willrich's orchestra; Virginia Willrich, piano-accordionist; J. B. Zeller, novelty trap drummer; 7:30 p. m., Universal Bible class, Rev. Claude L. Jones; 8:30, Frank Tilton, boy pianist; 11, The Phantoms, "ghosts of the air."

KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., Grand Central theater; 8:30, St. Louis symphony orchestra.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9-9:30 p. m., Eastman hotel stringed quartet; 9:30-9:35, the Phantom Voice; 9:35-10:15, frolic, Meyer Davis' dance orchestra; Clyde Foley and Toni Cochard, comedy singers; 10:15-10:45, Mrs. Natalie Arnoux, violinist; Elizabeth Bowe, pianist; 10:45-11:15, Honolulu frolic, Big Four Hawaiian orchestra; Mr. Blake, steel guitarist.

KWWG, Brownsville, Tex. (278m-1080kc), 6 p. m., The Sunshine Girl.

KYW, Chicago, Ill. (535.4m-560kc), 6:30-7 a. m., exercises; 7:30, family worship; 1 p. m., concert, Commonwealth Edison company; 2, luncheon concert, Congress hotel, Joska DeBabary and his orchestra; Coon-Sanders; 4, afternon frolic; 6-7, dinner music, KDKA; 7:05, bedtime story, "Uncle Bob"; 7:30, home-lovers' hour; 8:30, Congress classic; 11:30, Congress carnival; 1 a. m., Insomnia club, Coon-Sanders.

WAMD, Minneapolis, Minn. (244m-1230kc), 12:01 p. m., trio, George Sawyer, Maurine Heft, pianist; Henry Evanson, tenor; 6:15, dinner concert, George Osborn and his orchestra; Elizabeth McKeever, soprano; Dr Gordon Sandon, accompanist; 7:10, popular musical program, Harmony Twins, Bob Melcher, Fred Roble; Ruht Hokens, contralto; Dwite Churchill, baritone; Willard Efaw, pianist; 11, Sky Rocket frolic.

WBBM, Chicago, Ill. (226m-1330kc), 4-6 p. m., Harry and Sandy; Valentino inn orchestra; Johnny Black, Russell Meyers; Jack Pennewell and Freddy Palmiter; 8-9:30, musical comedy, "The Four Seasons"; 9:30-11, Sandy and Harry; Moulin Rouge orchestra; William E. Anderson, steel guitar; Sy Berg; Fred Jacobson; 11-2 a. m., Sunset quartet; WBBM harmony four; George Thurn, uke and kazoo; Two Jays; Charlie Garland; Spencer, Lavergne and Shayne, xylophone; Joe Buck, uke and songs; Lew Russell; Romo Vincent; Moulin Rouge orchestra; Vivian Sheffer, contralto; Claire Matthews; Floyd Falch; Ariston trio.

WCAL, Northfield, Minn. (336.9m-890kc), 8:30 p. m., music faculty.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 12:30 p. m., noon concert, Emmet Long's Golden Pheasant orchestra; 2:30, afternoon concert; 6:15, dinner concert, Emmet Long's Golden Pheasant orchestra; 8:15, musical program; 10:05, dance program, Emmet Long's Golden Pheasant orchestra.

Tune in at 4:30 p. m. Central time Sunday afternoon for WBBM. Fawn Gray, a well-known dancer and entertainer, is the charming personality above, who makes this particular hour of the week attractive to listeners.

High Lights of the Week

NEVER to be seen is the fate of the "Ghosts of the Air" called the Phantoms at KPRC. But these disembodied spirits can play real jazz and may be heard Saturday evening as the clock nears twelve. Promptly at midnight a big Pow-Wow takes place at KOIL with Sitting on the Bull, conducting.

The two Kent artists this Sunday, are Lea Luboschutz, violinist, and Benno Moiseiwitsch, Russian pianist. Two Baltimore artists of note will entertain at WBAL this same evening, Pasquale Tallerico, pianist, and Margaret Rabold, former Metropolitan opera soprano.

Monday is Washington's Birthday. A special patriotic Radio pageant has been arranged by the Fort Crailo Post of the American Legion at WHAZ. The community program at WSAI, Cincinnati, has as the guest artist this week, Jeanette Vreeland, who sang recently over the WEAF chain.

The famous violinist and concert-master of the Chicago symphony orchestra, Jacques Gordon, will play his famous "Clara Schumann Strad" over Station WGN, Tuesday. Another kind of fiddling may be heard at the fiddlers' contest this same evening at WGY. Old-time fiddling has become popular again and almost every section has its old-time fiddlin' champion. Tuesday is also an auspicious day for KFNF. This station is now two years old and plans to run a twenty-six hour program.

A birthday party is a real birthday party when gifts are exchanged. CNRO will celebrate its anniversary Wednesday, with a special program and gifts to fans tuning in. WGR refuses to sign off until morning. This special frolic will last from 1 to 4:30 a. m.

Bulwer Lytton's powerful drama, "Richelieu," will be broadcast by the KGO players, Thursday night. Sixteen players will face the microphone. The American Croation glee club and the Tamburitza orchestra are the interesting Thursday features at KDKA.

An oriental program will please the ladies Friday afternoon at WFI. Fairy tales of old Japan, and Chinese and Japanese music will make this program appealing. In the evening the opera "Faust" may be enjoyed at WEAR or the collegiate program by the Vanderbilt university at WSM.

LUBOSHUTZ, MOISEIWITSCH AT WEAF

Two internationally known artists will entertain during the Atwater Kent hour, Sunday, at 8:15 p. m. Eastern time on the WEAF chain. Lea Luboshutz, left, is a violinist of note. Benno Moiseiwitsch, above, is a young Russian pianist, who shows unusual skill.

Saturday, February 20

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., Pantages theater organ; the Trianon ensemble; 11:15-1 a. m., Ted Weem's Victor Recording orchestra; Billy Adair's Kansas City club orchestra; Eddie Kuhn's Kansas City athletic club orchestra.

WEBH, Chicago, Ill. (370.2m-810kc), 3-4 p. m., special features; 7-8, Oriole orchestra; Howard Neumiller, pianist; 9, Oriole orchestra; 9:45, James Murray, tenor; Marie Kelly, reader; 11-12, Oriole orchestra; Wayne Myers, Frank Greif; 1-2 a. m., Marie Kelly, reader; Kay Ronayne, songs.

WENR, Chicago, Ill. (266m-1130kc), 6-7 p. m., dinner concert, Rauland-Lyric trio; instrumental and vocal numbers; 8-10, popular program, All-American Pioneers; G. W. Voss, basso; James Beaumont, banjoist; 12-2 a. m., midnight frolics, All-American Pioneers; Frank Westphal; Art Bilquist; Mary Beiber; Rita McFawn; Hal Laige, saxophone solos.

WFAA, Dallas, Tex. (475.9m-630kc), 12:30-1 p. m., Jeff J. Sandel, pianist; 3:30-4, Tom Fowler, violinist; 4:30-5, J. H. Seay, singer, with ukulele; 6:30-7:30, Baker hotel orchestra, dinner music; 8:30-9:30, program, Woodmen of the World, R. H. McDill, director.

WGES, Oak Park, Ill. (250m-1200kc), 5-7 p. m., baritone, basso, pipe organ solos; 8-9, orchestra, organ, contralto; 11-1 a. m., organ, comedian, tenor, features.

WGN, Chicago, Ill. (302.8m-990kc), 10-10:15 a. m., good health period; 10:15-10:45, entertainment for shut-ins; 11-11:30, morning organ concert, Chicago theater, Dean Fossler; 12:01-12:30 p. m., noon hour entertainment for children; 12:40-2:30, luncheon concert music; 2:30-3, Lyon and Healy artist recital; 3:25, Port o' Missing Men; 3:30-4:15, tea time music; 4:30-5, syncopation matinee, Edward Benedict, organist; 5:30-5:57, Skeezix time; 6:30-6:45, dinner concert music; 6:45-7, old-time favorite songs; 8-10, musical program; 10-10:10, "Sam 'n' Henry," Radie comic strip; 10:10-10:15, old-time favorite songs; 10:15-11, dance music; Correll and Gosden, Freda Leonard and Jewell Barnett, songs.

WHAS, Louisville, Ky. (399.8m-750kc), 1-2 p. m., Benson trio; 3-3:30, Mrs. Myrtle Fulks Zahn, Jr., organist; 4-5, concert, Susie Elvira Williams, director; Music Box; Martha Pope Robinson, reader; 7:30-9, Town club, Ellen Bachus, director.

WIBO, Chicago, Ill. (226m-1330kc), 2-4 p. m., program for shut-ins; Ted Fiorito, pianist; Dan Russo, violinist; Marie Tully, soprano; Wayne Meyers, reader; Pearl Holzman, pianist; Lenore Friedman, soprano; 6-8, dinner concert; Walter Preston's open request night; WIBO string trio; Elsie Orr, soprano; Ruth Ford, contralto; Mr. Leonard, baritone.

WJAZ, Chicago, Ill. (322.4m-930kc), 9-2 a. m., Spike Hamilton's and Al Katz' opera club.

WJJD, Mooseheart, Ill. (370.2m-810kc), 12-1 p. m., Palmer house symphonic players; Palmer house trio; 2-3, Howard L. Peterson, organist; 4-5, Palmer house quintet; 6-7, Palmer house symphonic players; Howard L. Peterson, organist; Palmer House Victorians; 8-9, auction bridge, Charles T. Adams; Palmer House Victorians; 10-11, Garod studio; Palmer House Victorians; 12-1, Garod studio; Palmer House Victorians; Jack Nelson.

WKAF, Milwaukee, Wis. (261m-1150kc), 10-11 p. m., Trixie Ann Troy and her Royal Hawaiians; Hi Coleman's dance orchestra.

WKRC, Cincinnati, Ohio (422.3m-710kc), 10 p. m., Marion McKay and his orchestra; Jack Tilson; 11, Eugene Perazzo, violinist; 11:15, Marion McKay and his orchestra; 11:45, request piano program.

WLIB, Chicago, Ill. (302.8m-990kc), 7-8 p. m., musical program; 11-1 a. m., dance music; Correll and Gosden, Freda Leonard and Jewell Barnett, songs.

WLS, Chicago, Ill. (344.6m-870kc), 12-12:25 p. m., Doris Wittich, pianist; 7, Ford and Glenn, lullaby time; 7:30, national barn dance, George Goforths Gold band; WLS barn dance trio; Ruth Etting; Ford and Glenn; 11, WLS twin wheeze, Ford and Glenn and Ralph Emerson.

WMAQ, Chicago, Ill. (447.5m-670kc), 5:15 p. m., Topsy-Turvy time; 8, collegiate glee club; 8, Frederick Daw and Russell Pratt; 9, Chicago theater revue.

WMBB, Chicago, Ill. (250m-1200kc), 7-8 p. m., Trianon duo, Vello Cook, contralto; Beatrice Story, violinist; Edwin House, baritone; Preston Graves, pianist; semi-classical miscellaneous program; 9-11, Trianon orchestra, Dell Lampe; Woodlawn theater orchestra, Walter Klipps; "Maggie Murphy's Home" presentation; Fannie Fuerst, reader; Jack Warner, character songs; Dolligner and Lyerla, guitar duo; Bob Bennett, popular program.

WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Memphis plectrum orchestra.

WOAW, Omaha, Nebr. (526m-570kc), 6 p. m., orchestra and soloists; 7, after dinner hour musical program; 9, classical; 10:30, Frank Hodek and his Nightingale orchestra; 11, Arthur Haas' organ jubilee.

WOC, Davenport, Iowa (483.6m-620kc), 5:45-6 p. m., chime concert; 6:30-6:50, sandman; 9-10, musical program, Broadway Presbyterian church; 11-12, LeClaire hotel orchestra.

WOI, Ames, Ia. (270m-1110kc), 12:30 p. m., college chimes; 2:30, high school finals wrestling tournament; 3, swimming meet, Washington university vs. Ames.

WOK, Chicago, Ill. (217.3m-1380kc), 4:30-7 p. m., Capitol theater organ; Howard Will, tenor; 10-1, Tearney's town club orchestra; Carl Lorraine's Pershing Palace orchestra; Husk O'Hare's Cocoanut Grove orchestra; Capitol theater program; program.

WOQ, Kansas City, Mo. (278m-1080kc), 8-9 p. m., musical program; 10-11, musical healing service.

WORD, Batavia, Ill. (275m-1090kc), 7 p. m., Webster hotel orchestra and concert program; 9, Capt. Royall N. Allen's "Little Journey No. 7"; Webster hotel concert trio and solo artists.

WQJ, Chicago, Ill. (447.5m-670kc), 3-4 p. m., koffee klatsch; 7-8, Rainbo Gardens orchestra; Prof. Ascan W. Kittner, baritone; Anne Keim, mezzo-soprano; 10-3, Rainbo Skylarks; Jerry Sullivan; Rose Vanderbosch, soprano; Hal Lansing; Everett George Opie, reader; Clarence Theders, tenor; Joe Warner, character songs; Oxford girls; Rita McFawn, Mary Bieber; George Thurn, kazoo.

WSAI, Cincinnati, Ohio (325.9m-920kc), 7:30 p. m., children's stories, Mrs. Ethel Knapp Behrman; 7:50, chime concert, Robert Badgley; 8:15, Bicycle Playing Card sextet; 12 midnight, Freda Sanker's orchestra.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., Atlanta Atwater Kent hour; 10:45, Hired Help skylark.

WSM, Nashville, Tenn. (282.8m-1060kc), 6:30 p. m., concert, Francis Craig's orchestra; 7, bedtime story interlude; 8, barn dance program; features.

Mountain Time Stations

KFWA, Ogden, Utah (261m-1150kc), 4-5 p. m., organ recital; 5-6, Ogden Radio dealers' program; 9-10:30, music, Paramount theater; 10:30-12 midnight, dance music, Olie Reeves and his orchestra.

KFXF, Colorado Springs, Colo. (250m-1200kc), 8:30-11 p. m., Wilhelm Schmidt, director; Cleora Wood Schmidt, soloist; Mary Schnitzius, pianist; Cecil Rodgers, tenor.

KOA, Denver, Colo. (322.4m-930kc), 12:15 p. m., Rialto theater musicale; 9, Harmony Peerless orchestra; 10:30, Scheuerman's Colorado orchestra.

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 5:30-6 p. m., Jose Arias and his Mexican entertainers; 6, Nightly doings; 6:15, KFI's Seeing California; 6:30, vest pocket program; 6:45, Radiotorial period; 7-8, Norman Kobler and his dance orchestra; 8-9, All-American string quartet; 9-10, varied program; 10-11, Packard Radio club, featuring popular song hits; 11-3 a. m., midnight frolic, Don Meany, master of ceremonies.

KFOA, Seattle, Wash. (454.3m-660kc), 9:30-11 p. m., Jackie Souders' club.

KFON, Long Beach, Calif. (232.4m-1290kc), 6-6:30 p. m., Brayton's theater organ; 6:30-7, amusement information; 7-8, Burt Pedersen's orchestra; 8-9, Press-Telegram studio; 9-11, KFON artists frolic.

KFWB, Hollywood, Calif. (252m-1190kc), 8-9 p. m., Warner Brothers syncopators; Eunice Wynn, soprano; Ray Kellogg and Bill Hatch, jazz twins; Ashley Sisters; 9-11, program, Reeve-Gartzmann, Inc., presenting the Oakland Six dance orchestra; Charlie Wellman, tenor.

KGO, Oakland, Calif. (361.2m-830kc), 7:15-7:30 a. m., health training exercises, Hugh Barrett Dobbs, William H. Hancock, accompanist; 7:45, Pep class; 8:15-8:30, exercises; 8:45, songs, William H. Hancock; 11:30-1 p. m., Sherman Clay and company luncheon concert; 4-5:30, concert orchestra, Hotel St. Francis, Vinton La Ferrera, conductor; 8:10, "Olivette," comic opera, Edmond Audran; Reginald Travers, Harry Brown Wood, directors; 10-12, dance music, Girvin-Deuel's California Collegians.

KGW, Portland, Ore. (491.5m-610kc), 12:30-1:30 p. m., concert; 6-7, dinner concert; 9-12, dance music; intermission piano solos, Curt Kremer.

KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., history story, Prof. Hertzog; Henrietta Poland, Dolly Wright, Donald Cooper and Uncle John; 8-10, program, Motor Transit company; announcement of the Treasure Hunt.

KJR, Seattle, Wash. (384.4m-780kc), 1:30-3 p. m., daily matinee program; 8:30-10, studio program.

KMTR, Hollywood, Calif. (238m-1260kc), 6-7 p. m., Starr Piano company studio; 8-10, KMTR concert orchestra, Loren Powell, director; Mme. Leontine de Ahna, contralto.

KNX, Hollywood, Calif. (336.9m-890kc), 5-5:30 p. m., Sunny Jim's talk; 5:30-6, Leighton's Arcade cafeteria orchestra; 6, Town Tattler; 6:15, travel talk, W. F. Alder; 6:30-7, Atwater Kent concert orchestra; 7:15, church announcements; 7:30-8, popular musicale; 8-10, KNX feature program; 10-11, Ambassador hotel dance orchestra; 11-2 a. m., Filmland Frolickers.

KPO, San Francisco, Calif. (428.3m-700kc) 7, 7:30, 8 a. m., daily dozen exercises; 12, scripture reading; 1-2, Rudy Seiger's Fairmont hotel orchestra; 2:30-3:30, Read Givens, tenor; Carlton Peters, pianist; 3:30-5:30, Cyrus Trobbe's Palace hotel concert orchestra; 6:35-7:30, Waldemar Lind and the States restaurant orchestra; 8-12, Fairmont hotel dance orchestra, Reg. Code, director.

KPSN, Pasadena, Calif. (315.6m-950kc), 8-9 p. m., concert; 9-10, dance orchestra, Maryland hotel.

KTAB, Oakland, Calif. (240m-1250kc), 9-9:30 a. m., prayer service, Rev. E. L. Spaulding; 12-1, luncheon concert.

Sunday, February 21

Headliners Today

Eastern	Central	Mountain	Pacific
3:30 p. m.	2:30 p. m.	1:30 p. m.	12:30 p. m.

WTIC (475.9m-630kc) New Haven symphony orchestra.

6	5	4	3

WBAP (475.9m-630kc), Old Gray Mare band.

7:20	6:20	5:20	4:20

WEAF (491.5m-610kc) Capitol family.

8	7	6	5

WLWL (288.3m-1040kc), Paulist Choristers.

8:15	7:15	6:15	5:15

WEAF (491.5m-610kc), WEEI, WCAP, WJAR, WGR, WCAE, WSAI, WWJ, WOC, WCCO, WGN, WEAR, KSD, WTAG, WOO, Atwater Kent program.

WGY (379.5m-790kc) Musical program.

8:30	7:30	6:30	5:30

WCAU (277.6m-790kc), Bonwit Teller Light Opera.

9	8	7	6

KTHS (374.8m-800kc), Classic hour.

11:30	10:30	9:30	8:30

KFI (467m-642kc) Classic hour.

Sunday, silent night for: CFAC, CHIC, CKNC, CNRA, CNRC, CNRE, CNRM, CNRO, CNRR, CNRT, CNRV, CNRW, KFAB, KFAU, KFKX, KFKU, KFMQ, KFOA, KFVE, KFWA, KFXF, KLX, KMA, KMTR, KOAC, KOB, KOWW, KSAC, KSO, KWSC, PWX, WABQ, WAHG, WCAD, WCX, WDAF, WEAO, WEBJ, WEBW, WFI, WGES, WGHB, WGST, WHAD, WHAS, WHAZ, WJAZ, WJJD, WKAF, WKAQ, WKAR, WMAQ, WMAZ, WMC, WNYC, WOI, WRC, WRVA, WSB, WTAM, WTIC.

Eastern Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 11 a. m., church service; 4 p. m., Dr. Charles Heinroth, organist; 4:45, Shadyside Presbyterian church; 6:30, dinner concert; 7:15, chimes, Calvary Episcopal church; 7:45, church service.

PWX, Havana, Cuba (400m-750kc), 8 p. m., Cuban military band; 9:15, Cuban Military band.

WBAL, Baltimore, Md. (246m-1220kc), 6:30-7:30 p. m., twilight program, WBAL concert orchestra, Gustav Klemm, conductor; 7:30-8:30, artists' recital, Margaret Rabold, soprano; Pasquale Tallerico, pianist.

WBBR, New York, N. Y. (273m-1100kc), 10 a. m., Watchtower instrumental trio; 10:15, Sunday school lesson, S. M. Van Sipma; 10:35, I. B. S. A. choral singers; 10:45, Watchtower instrumental trio; 10:55, I. B. S. A. choral singers; 11, "Melchisedec—Catholic, Mason or Baptist?" E. J. Coward; 11:30, choral singers; 11:40, instrumental trio; 11:50, singers; 2 p. m., Watchtower orchestra; 2:30, L. Marion Brown, soprano; 2:40, topical Bible study; 2:50, L. Marion Brown, soprano; 3, "Our Lord's Return," Bible lecture, E. J. Coward; 3:30, L. Marion Brown, soprano; 3:40, Watchtower orchestra; 9, brass quartet; 9:15, Bible questions and answers; 10, Watchtower brass quartet.

WBZ, Springfield, Mass. (333.1m-900kc), 10:45 a. m., Church of the Unity; 7 p. m., Copley Plaza orchestra; Raymond Simonds; 8, "Palestine's New Message," Maurice Samuel.

WCAP, Washington, D. C. (468.5m-640kc), 11 a. m., Petworth Methodist church service, Rev. Edward Hayes, pastor; 4, Bethlehem chapel service; 6:20-7:20, chamber musicale, vesper string ensemble; 7:20, musical program, Capitol theater, Major Edward Bowes, director; 9:15, Atwater Kent hour, WEAF.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 5 p. m., recital; 5:15, undenominational church services; 6:45, Clarence Seaman and his Hotel Pennsylvania orchestra; 7:45, Cathay Tea Garden concert orchestra; 8:30, Bonwit-Teller Light Opera company; 9, Potash and Perlmutter.

WCX, Detroit, Mich. (516.9m-580kc), 7:15 p. m., Central Methodist Episcopal church service, Dr. Lynn Harold Hough, pastor; Guy C. Filkins, organist.

WEAF, New York, N. Y. (491.5m-610kc), 2-3 p. m., Sunday Radio service, auspices of the Greater New York Federation of Churches, Rev. Herbert F. Lafiamme, field secretary, presiding; address by Rev. Arthur F. Mabon, pastor Hamilton Grange Reformed church, New York city; music, Lotta Madden, soprano; Mildred Bryars, contralto; Albert E. Miller, tenor; Arthur Billings Hunt, baritone, and George Shackley, pianists; R. Huntington Woodman, composer, at the organ; 3-4, Young People's Conference, under the auspices of the Greater New York Federation of Churches direct from the Marble Collegiate church, New York city; address, Dr. Daniel A. Poling; 4-5:30, men's conference in the Bedford Branch Y. M. C. A., Brooklyn, WEAF, WEEI, WTAG, WCAE, WSAI, address, Dr. S. Parkes Cadman; 7:20-9:15, musical program, Major Edward Bowes and the "Capitol Family," WEAF, WEEI, WCAP, WJAR, WTAG, WWJ, WCAE; 9:15-10:15, "Atwater Kent Radio Hour," Leo Lubschutz, violinist, and Benno Moseiwitsch, Russian pianist, WEAF, WEEI, WCAP, WJAR, WGR, WCAE, WSAI, WWJ, WOC, WCCO, WEAR, WGN, KSD, WTAG, WOO.

WEAR, Cleveland, Ohio (389.4m-770kc), 3:30 p. m., Goodyear concert orchestra afternoon musicale; 7, Lowe's theater orchestra; 7:45, Fireside hour; 8:30, Vincent Percy organ recital; 9:15, Atwater Kent hour, WEAF.

WEEI, Boston, Mass. (348.6m-860kc), 10:50 a. m., Old South church service; 2 p. m., Golden Rule hour; 3, Louis Weir, organist; George Edmund Dwight, baritone; 4, Dr. S. Parkes Cadman; 5:30, Italian marine band; 6:20, Ecker concert group; 7:20, Major Edward Bowes and his Capitol family; 9:15, Atwater Kent hour.

WFI, Philadelphia, Pa. (394.5m-760kc), 10:20 a. m., Arch Street Methodist Episcopal church; 4:30 p. m., talk, Dr. William J. Hutchins, president Beren college.

WGBS, New York, N. Y. (315.6m-950kc), 3:30 p. m., Crystal Palace; 9:30, Moscow Art Musical studio party.

WGCP, New York, N. Y. (252m-1190kc), 2:45 p. m., dance orchestra; 3:30, Edgar Duffy, baritone; 3:45, Isabelle Henderson, soprano; 4, Leslie McLeod, tenor; 4:15, dance orchestra.

WGR, Buffalo, N. Y. (319m-940kc), 10:45 a. m., Westminster Presbyterian church service; 7:45 p. m., Central Presbyterian church service; 9:15, jointly with WEAF, Atwater Kent program.

WGY, Schenectady, N. Y. (379.5m-790kc), 10:45 a. m., First Church of Christ; 3 p. m., musical program, WFBL; 5, Dr. Frank Sill Rogers, organist; T. Roy Keefer, violinist; 8:15, musicale.

WHAR, Atlantic City, N. J. (275m-1090kc), 10:45 a. m., morning services, Chelsea Baptist church; 2:15 p. m., sacred recital, Seaside hotel trio; 2:45, sermon; 7:50, Chelsea Baptist church; 9, "With the Classics."

WIP, Philadelphia, Pa. (508.2m-590kc), 10:45 a. m., services, Holy Trinity church; 4, "Personality and Vocation," religious talk by Edward Amherst Ott.

WJAX, Jacksonville, Fla. (336.9m-890kc), 11 a. m. and 7:30 p. m., church services.

WLIT, Philadelphia, Pa. (394.5m-760kc), 2 p. m., Arcadia cafe concert orchestra; 6:30, Benjamin Franklin organ recital; 7, Benjamin Franklin hotel concert orchestra.

WLWL, New York, N. Y. (288.3m-1040kc), 8 p. m., Paulist choristers; sermon by Rev. Michael Reilly.

WMAK, Buffalo, N. Y. (266m-1130kc), 10:25 a. m., First Presbyterian church services, Rev. Stewart M. Robinson, pastor; 7:30 p. m., Churchill tabernacle services, Clinton Churchill, pastor.

WMBF, Miami Beach, Fla. (384.4m-780kc), 7-9 p. m., Fleetwood Radio orchestra; 10-1 a. m., Gene Fosdick and his orchestra; Fleetwood Radio orchestra.

WMCA, New York, N. Y. (340.7m-880kc), 11 a. m., services from Fifth Church of Christ, Scientist; 3 p. m., Minot Simons, D. D., "What to Think in Religion," All Souls church, Unitarian; 5:30, Woodmansten inn orchestra; 6 p. m., Roemer's Homers; 7, Ernie Golden and his Hotel McAlpin orchestra; 7:30, Olcott Vail and his Hotel McAlpin string ensemble; 8:15, Garod musical program; 8:45, Masters Cleaners & Dyers banquet; 9:45, Donald Flamm's frolickers; 11, Jack Denny's orchestra.

WOO, Philadelphia, Pa. (508.2m-590kc), 2:30 p. m., Sunday school exercises, Bethany Presbyterian church; 6:05, organ recital, Clarence R. Bawden; 7:30, services, Bethany temple; 9:15, Atwater Kent hour of music.

WPG, Atlantic City, N. J. (299.8m-1000kc), 3:15 p. m., Arthur Scott Brook, organist; Mrs. Edwin Wilson, soprano; 4:15, recital, St. James Episcopal church; 9:15, Hotel Ambassador concert orchestra; 10, Arthur Scott Brook, organist; Rose Newman, soprano; Alice Warren Sachse, pianist; William Uncles, bass.

WREO, Lansing, Mich. (285.5m-1050kc), 10 a. m., chimes; 10:30, First Baptist church; 7 p. m., Central M. E. church.

WTAG, Worcester, Mass. (268m-1120kc), 4-5 p. m., men's conference, H. Walter Riland presiding; music, Gloria Trumpeters and George Betts, chime soloist; Mr. and Mrs. Howard Wade Kimsey, baritone and accompanist; 7:20-9:15, musical program, Maj. Edward Bowes and the Capitol family; 9:15-10:15, Atwater Kent hour, Lea Luboshutz, violinist; Benno Moiseiwitsch, Russian pianist.

WTIC, Hartford, Conn. (475.9m-630kc), 3:30 p. m., New Haven Symphony orchestra.

WWJ, Detroit, Mich. (352.7m-850kc), 11 a. m., Temple Beth El services; 2 p. m., Detroit News orchestra; 4, organ recital; 7:20, Capitol theater family; 9:15, operatic stars.

Central Time Stations

CKY, Winnipeg, Can. (384.4m-780kc), 7 p. m., services, Fort Rouge United church; 9, studio program.

KFDM, Beaumont, Tex. (315.6m-950kc), 11 a. m. and 7:30 p. m., First Episcopal church services.

KFNF, Shenandoah, Iowa (263m-1140kc), 10:45 a. m., morning worship, First M. E. church; 2:30 p. m., Golden Rule song service; 3, Men's Gospel team; 6:30, services, Golden Rule circle; 7:30, Christian church services.

KMMJ, Clay Center, Nebr. (229m-1310kc), 2:30 p. m., sacred concert; 8:15, religious services.

MIDNIGHT POW-WOW FROM KOIL

Sunday, February 21

KOIL, Council Bluffs, Iowa (278m-1080kc), 11 a. m., First Congregational church service, Rev. J. R. Perkins, pastor; 1 p. m., dinner program, Randall's Royal Fontenelle orchestra; 7, Sleep Time Girl, Bernice Clizbe, conductor; 7:30, Monarchs, Jerry McMillen, conductor; 11, College club orchestra; Jamieson Oil duet, John Jamieson, John Halpien, Jr., Othelia Kinder, accompanist.

KPRC, Houston, Tex. (296.9m-1010kc), 10:45 a. m., service, First Christian church, Rev. Claude L. Jones, pastor; 7:30 p. m., services, South Main Baptist church, Rev. M. M. Wolf, pastor; 9:30 p. m., Silverstring players, plectral orchestra, Mrs. Clarence L. Brock, director; D. W. Morris, soloist.

KSD, St. Louis, Mo. (545.1m-550kc), 6:15 p. m., St. Louis Post-Dispatch concert orchestra; 8:15, Atwater Kent Radio hour.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 11 a. m.-12:15 p. m., services, First Presbyterian church; 9-10, classic hour, famous folk songs, New Arlington hotel grand ensemble, Lon Chassy, director; 10-11:30, Arkansas Traveler Limited, KTHS Radio Special train frolic; Benny Ford's orchestra.

KYW, Chicago, Ill. (535.4m-560kc), 11 a. m., Central church service; 2:30 p. m., Sunday afternoon; 7-9 p. m., Chicago Sunday Evening club; Grinnell college glee club; "How Jesus Made a Universal Religion," Dr. Cleland B. McAfee; address, Dr. Richard Roberts; 9, classical concert.

KWWG, Brownsville, Tex. (278m-1080kc), 2:30 p. m., church service.

WBAP, Fort Worth, Tex. (475.9m-630kc), 11 a. m., First Presbyterian church; 12:30 p. m., kiddies' hour; 5-6, Old Gray Mare band; 9:30-11, Chief Gonzales' Texas Hotel Royals.

WBBM, Chicago, Ill. (226m-1330kc), 12:30-2 p. m., classical program; William P. Zimmer, tenor; Harold Morava, lyric tenor; Kantor A. Kritz; Sandy Meek and Harry Sosnik; Edna Wheeler Ballard, harpist; Little Caruso and the Moulin Rouge operatic quartet; 4-6, Larry Shay; Lew Russell; Spencer, Lavergne and Shayne, xylophone; Pete Kules; Tip trio; Ziegler sisters; Two Jays; Harold Anderson; Charlie Garland; George Thurn, uke and kazoo; Shaynes melody monarchs; Rudy Winter; Floyd Falch; 8-10, Maurice Silverman; Moulin Rouge orchestra; Vivian Sheffer, contralto; Pauline Stiffler Atlass, violinist; Rudy Winter; Floyd Falch; 12-2 a. m., Nutty club; Moulin Rouge orchestra.

WCAL, Northfield, Minn. (336.9m-890kc), 8:30 a. m., Norwegian church service; 9:15 p. m., sacred program, Dr. Martin Hegland.

WCBD, Zion, Ill. (344.6m-870kc), 8 p. m., Zion orchestra, male quartet; P. B. Newcomer, cornetist; Fred Faassen, organist; Mrs. J. D. Thomas, soprano; Mrs. Mayfield, Mr. Reid; Mrs. G. R. Sparrow, contralto; M. P. Barton, tenor; Mrs. L. J. Hire, pianist.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 10:50 a. m., Hennepin Avenue M. E. church services, Lucius H. Bugbee, pastor; 3 p. m., Bible study, Lutheran Bible institute, Rev. Samuel M. Miller, dean; 4:10, House of Hope Presbyterian church, Rev. H. C. Swearingen, pastor; 6:20, Second Church of Christ, Scientist; 8:15, Atwater Kent program, WEAF; Lea Luboshutz, violinist; Benno Moiseiwitsch, Russian pianist.

WDAF, Kansas City, Mo. (356.6m-820kc), 3-4 p. m., program, Harry Holmes, tenor; 4-4:45, Sabbath Vespers.

WEBH, Chicago, Ill. (370.2m-810kc), 10:45 a. m., Seventh Church of Christ, Scientist; 7-8 p. m., artists' program.

WFAA, Dallas, Tex. (475.9m-630kc), 2:30-4 p. m., music; 6-7, Bible class, Dr. William M. Anderson, pastor, First Presbyterian church; Bible study and Gospel song; 7:30-8:30, First Methodist Episcopal church service, Dr. Carl C. Gregory, pastor; Mrs. Robert H. Morton, soloist and director; 8:30-9:30, Earle Jackson and singers, Gaston Avenue Baptist church; 11-12, Ligon Smith and his orchestra.

WGES, Oak Park, Ill. (250m-1200kc), 10:15-12 noon, morning services, Dr. James L. Gardiner, Austin M. E. church, organ, choir; 5-7:40 p. m., Moody Bible school program, pipe organ; 11-12 midnight, organ, mezzo-soprano.

WGN, Chicago, Ill. (302.8m-990kc), 10:45-11:45 a. m., Uncle Walt; 11:45-12:45 p. m., Sunday noon musical hour, Chicago theater; 12:45-1:45, Chicago theater complete performance; 2-3, Edwin Stanley Seder's organ concert; Lyon and Healy studio; 3-4, concert, Chicago Philharmonic orchestra; 4-5, musical program; 5-5:15, old-time favorite songs; 7-7:30, musical program; 7:30-7:45, old-time favorite songs; 7:45-8:15, musical program; 8:15-9:15, Atwater Kent concert; 9:15-10, musical program.

WHAS, Louisville, Ky. (399.8m-750kc), 9:57 a. m., organ; 10, Broadway Christian church; 4:30-5:30 p. m., choral service, Christ Church cathedral.

WHB, Kansas City, Mo. (365.6m-820kc), 9:45-10:45 a. m., services, Linwood Boulevard Christian church; 11:15-12:30 p. m., services, Independence Boulevard Christian church; 8-9:15, services, Assembly church; 11:15-1 a. m., Linwood theater feature; Morrill Moore, organist.

WHO, Des Moines, Iowa (526m-570kc), 11 a. m., B'Nai Yeshurum congregation, Rabbi Eugene Mannheimer; 7:30-8:30 p. m., Bankers Life trio; Myrtle Williams, soprano.

WIBO, Chicago, Ill. (226m-1330kc), 2-4 p. m., Sunday afternoon concert; Mr. Bunte and quartet, song biographies; Charlotte Edwards, contralto; Bernice Taylor, soprano; Chester Newman, baritone; 6-8, dinner concert; sacred songs, Walter Preston; WIBO string trio; Laura Remer, contralto; Sydney Ellstrom, baritone; Helen Snyder, soprano; Earl Bigelow, pianist; 10-12, popular program; The Jordans, Irene Beasley, Everette G. Mitchell; Eugene Wallenius, tenor; Marie Tully, soprano.

WJAZ, Chicago, Ill. (322.4m-930kc), 7-9 p. m., musical program, Spanish Garden studio.

WJJD, Mooseheart, Ill. (370.2m-810kc), 7:45 a. m., Catholic services; 9:40-10:30, Protestant services; 3-4 p. m., Moosheart Sunday concert.

WKAF, Milwaukee, Wis. (261m-1150kc), 4-6 p. m., Jean Hammond and her Tune Tinkers; Alvin Brooks, pianist; Otto Semper, tenor.

WKRC, Cincinnati, Ohio (422.3m-710kc), 6:45 p. m., Walnut Hills Christian church; 10, classical program; 11:30, Marion McKay and his orchestra.

WLIB, Chicago, Ill. (302.8m-990kc), 5-7 p. m., musical program.

WLS, Chicago, Ill. (344.6m-870kc), 6 p. m., prelude; 7-7:55, WLS little brown church in the vale; little brown church choir; Ralph Emerson, organist.

WLW, Cincinnati, Ohio (422.3m-710kc), 9:30 a. m., school, editorial staff of Sunday School Publications, Methodist Book concern; 11, morning worship, Seventh Presbyterian church, Jesse Halsey, minister; 2 p. m., "The Eternal Tragedy," Passion play, broadcast from St. John's Catholic church; 7:30, services, First Presbyterian church, Dr. Frederick McMillan, pastor; 8:30, concert, H. & S. Pogue company, orchestra directed by Walter Esberger.

WMBB, Chicago, Ill. (250m-1200kc), 3-5 p. m., Trianon orchestra; Dell Lampe; Woodlawn theater orchestra; Walter Kipps; Lucille O'Hara, soprano; Tommie Hughes, baritone; Bob Duffy, singer and pianist; Ed Miller, tenor; 7:40-9, Fifth Church of Christ, Scientist, services; 9-11, Trianon orchestra; Dell Lampe; Woodlawn theater orchestra; Walter Kipps; Billie Allen Hoff, singer and pianist; Ed Graham, baritone; Bill Lightfeldt, tenor; Bob Bennett, pianist.

WMC, Memphis, Tenn. (499.7m-600kc), 11 a. m., services, Second Presbyterian church.

WOAI, San Antonio, Texas (394.5m-760kc), 11 a. m., First Presbyterian church service, Rev. Dr. P. D. Hill, pastor; 7:45 p. m., Central Christian church service.

The dare-devil gentleman, above, is Arthur H. Faust. He directs the WAMD players of Minneapolis. This is the way he looked in a recent play about pirates. To the right is a member of the Venetian trio, Genevieve Mead. This trio which comes from Dayton, Ohio, has become popular at WLW, Cincinnati.

WOAW, Omaha, Neb. (526m-570kc), 9 a. m., chapel service, Rev. R. R. Brown; 1:30, matinee program; 6, Bible study, Mrs. Carl R. Gray; 9, chapel service.

WOC, Davenport, Iowa (483.6m-620kc), 1-2 p. m., Palmer Little symphony; Paul J. Vipperman, tenor; 2:30-3:45, Second Christian conference; 6:30-7, Methodist Episcopal church; 8:15-9:15, Atwater Kent program; 9:45-11:45, Palmer Little symphony.

WOK, Chicago, Ill. (217.3m-1380kc), 1-2 a. m., Tierney's Town club orchestra; Carl Lorraine's Pershing Palace orchestra; Husk O'Hare's Cocoanut Grove orchestra; program; 6-1 a. m., Tierney's Town club orchestra; Carl Lorraine's Pershing Palace orchestra; Husk O'Hare's Cocoanut Grove orchestra; Capitol theater musical program; program.

WOQ, Kansas City, Mo. (278m-1080kc), 11-12:30 p. m., services; 7-7:45, services.

WORD, Batavia, Ill. (275m-1090kc), 10 a. m., service; 2:30 p. m., program, Chicago Rapid Transit company; 3:30, Bible lecture, John Read; 7, Webster hotel concert trio; 7:15, evensong; 9, Webster trio; 9:15, service; 9:30, address, G. A. Hall.

WOS, Jefferson City, Mo. (440.9m-680kc), 9:30 a. m., religious services, Christian church, Rev. Walter Haushalter, pastor; 5 p. m., vesper services, Christian church; 7:30, services, First Christian church, Rev. R. M. Talbert, pastor.

WQJ, Chicago, Ill. (447.5m-670kc), 9:30-11:30 a. m., People's church; 3-4 p. m., St. Itas senior choir; Mrs. William P. O'Grady, director; 8-10, Rainbo Gardens orchestra; Fontella trio; Frederick Mueller, German tenor; Kathryn Diepenbrock, pianist; Jeannette Van Lennep, mezzo-soprano; Sheppard Levine, tenor; Grace Wallace, soprano.

WSAI, Cincinnati, Ohio (325.9m-920kc), 7:45 p. m., chime concert, Robert Badgley; 8, sermonette, Judge Thomas H. Darby; 8:15-9:15, Atwater Kent hour, featuring Lea Luboshutz, violinist; Benno Moisliwitsch, Russian pianist; 9:15, Union Central Life Insurance company orchestra, Sigmund Culp, director.

WSB, Atlanta, Ga. (428.3m-700kc), 5 p. m., Methodist church choir; 7:30, North Avenue Presbyterian church service.

WSM, Nashville, Tenn. (282.8m-1060kc), 10:30 a. m., First Presbyterian church.

Mountain Time Stations

KFXF, Colorado Springs, Colo. (250m-1200kc), 11-1 p. m., First Presbyterian church; 7:30-9, First Methodist church.

KOA, Denver, Colo. (322.4m-930kc), 10:55 a. m., First Unitarian society; 8 p. m., First Unitarian society, Mrs. Faye Roswell, organist; 7:40, First Unitarian society.

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 4-5 p. m., vesper services; 6:30, nightly doings; 7-7:30, program, A. H. Grebe & company, Synerophase string ensemble; 7:30-8:30, Aeolian residence pipe organ, Dan L. McFarland, organist; 8:30-9, classic hour program arranged by Virginia Flohrl; 9-10, Mabelle Hein and her Blue Bird band; 10-11, Packard Six dance orchestra.

KFON, Long Beach, Calif. (232.4m-1290kc), 6-6:30 p. m., Brayton's theater organ; 6:30-7, amusement bulletin; 7:45-9, service, First Church of Christ, Scientist; 9-9:30, program, Hird Typewriter company.

KFWB, Hollywood, Calif. (252m-1190kc), 9-11 p. m., Albert Keglovich, violin; Wilda Bernard, soprano; Ashley Sisters; Drake Warner, baritone; Jack Kurtz, whistling pianist.

KGO, Oakland, Calif. (361.2m-830kc), 11 a. m., services, Calvary Presbyterian church, Ezra Van Nuys, minister; 3:30 p. m., KGO Little symphony orchestra, Carl Rhodehamel, conductor; Arthur Garbett, interpretative writer; Annabelle Jones Rose, contralto; 7:30, services, Calvary Presbyterian church, Ezra Van Nuys, minister.

KGW, Portland, Ore. (491.5m-610kc), 10:25-12 noon, services, First Presbyterian church; 6-7 p. m., "Aladdin Hour of Familiar Melodies"; 7-7:30, Atwater Kent artists series, Alan McQuhae, tenor; 7:30-9, evening services, First Congregational church; 9-10, concert, Chevrolet Symphony orchestra.

KHJ, Los Angeles, Calif. (405.2m-740kc), 4-5 p. m., Masonic service; 7-7:30, service, Methodist Episcopal church, Arthur Blakely, organist; 8-10, program, Los Angeles Motor Car Dealers association.

KNX, Hollywood, Calif. (336.9m-890kc), 6:30-7 p. m., Unitarian church service; 8-9, First Presbyterian Church of Hollywood; 9-10:30, program, Beverly Hills Nurseries, Calmon Luboviski, master violinist.

KPO, San Francisco, Calif. (428.3m-700kc), 9:45-10:45 a. m., undenominational and non-sectarian church service; baritone solos, Ira Morgan; Uda Waldrop, organist; 5-6, organ recital, Marshall W. Giselman; 6-6:30, Waldemar Lind and the States restaurant orchestra; 6:35-8:35, Palace hotel concert orchestra, Cyrus Trobbe, director; 8:35-10, Rudy Seiger's Fairmont hotel orchestra.

KTAB, Oakland, Calif. (240m-1250kc), 9:45-10:45 a. m., Bible lecture, Prof. E. G. Linsley; 11-12:30, church services; 7:45-9:15, services; 9:30-11, after-service concert.

Monday, February 22

Headliners Today

Eastern	Central	Mountain	Pacific
7:35 p. m.	6:35 p. m.	5:35 p. m.	4:35 p. m.

WNYC (526m-570kc) Chopin Anniversary program.

8:15	7:15	6:15	5:15

KDKA (309.1m-970kc), Washington's Birthday program.

8:30	7:30	6:30	5:30

WBZ (333.1m-900kc), Special Patriotic program.

9	8	7	6

WCCO (416.4m-720kc) University of Minnesota program.

WDAF (365.6m-820kc), Ivanhoe band.

WGST (270m-1110kc), Yelloy Jacket Four.

WHAZ (379.5m-790kc) Students' Night, glee club.

WSB (428.3m-700kc) Agnes Scott glee club.

WTAG (268m-1120kc) Robin Hood hour of music.

10	9	8	7

WEAF (491.5m-610kc) "Cavalleria Rusticanna," grand opera.

WGR (319m-940kc) Pilgrim quartet.

10:30	9:30	8:30	7:30

WLIT (394.5m-760kc), Fay's Vaudeville feature.

WTIC (275.9m-630kc) Studio program.

10:45	9:45	8:45	7:45

KTHS (374.8m-800kc) Novelty program.

11	10	9	8

WSAI (325.9m-920kc), Community program.

11:30	10:30	9:30	8:30

KOA (322.4m-930kc), Washington program.

Monday, silent night for: CNRA, CNRC, CNRE, CNRM, CNRO, CNRR, CNRT, CNRV, CNRW, KFAU, KFDM, KFEQ, KFMQ, KFMX, KFWA, KHJ, KLDS, KYW, WBBM, WBCN, WCAD, WCBD, WEAO, WEBH, WEBJ, WEBW, WENR, WGBS, WGES, WGN, WHAS, WHT, WIBO, WIP, WJAZ, WJJD, WKAQ, WLIB, WLS, WMAQ, WMBB, WOAI, WOC, WOK, WORD, WQJ, WRC, WREO.

Eastern Time Stations

CKNC, Toronto, Can. (356.9m-840kc), 8-10 p. m., Little symphony orchestra; Aeolian quartet; Hazel Hall-VanderVoort, soprano.

KDKA, Pittsburgh, Pa. (309.1m-970kc), 6:30 p. m., dinner concert; 8:15, Washington birthday program; 9, Rudd Light Opera hour.

PWX, Havana, Cuba (400m-750kc), 8:30-9:15 p. m., Westinghouse concert; 9:25, musical program; 10:20, concert.

WABQ, Haverford, Pa. (261m-1150kc), 11 p. m., Ardmore theater, Horace Hustler, organist; William Stewart, pianist.

WAFD, Port Huron, Mich. (275m-1090kc), 12-2 a. m., program, dance orchestra.

WAHG, Richmond Hill, N. Y. (315.6m-950kc), 12:03 p. m., Grebe matinee trio; 7:30, Walter A. Iooss, novelty pianist; 7:50, Boy Scouts' program; 8, Synchrophase hour with Marie Nicholson; 8:15, aria from the Messiah—group of Scotch ballads and Care Selve; 9, Royal Whitmyer, tenor; 9:15 William Edelson, basso; 9:45, Royal Whitmyer, tenor; 10:03, Yama Yama boys; 10:20, Joe Zimmerman's orchestra; 12 midnight, Club Castle dance orchestra and Ukulele Bob MacDonald.

WBAL, Baltimore, Md. (246m-1220kc), 6-6:30 p. m., children's program; 6:30-7:30, WBAL dinner orchestra, Robert Iula, conductor; 7:30-8, organ program, Frederick D. Weaver; 8-9, musical program; Ruby Heritage, soprano; Edward Jendrek, tenor; Sol Sax, pianist; 9:10-10, musical program; Eugenia Arnold, contralto; Herbert Sokolove, violinist; Melvin Moritz, baritone.

WBBR, New York, N. Y. (273m-1100kc), 8 p. m., Syrian music, Prof. Toufic Moubaid and Elizabeth Awad; 8:30, "The Harp of God," Bible instruction; 8:45, Syrian music.

WBZ, Springfield, Mass. (333.1m-900kc), 6:30 p. m. KDKA Little symphony orchestra; 7:30, Rene Dagenais, organist; 8, Capitol theater orchestra; 8:30, patriotic program, Washington's birthday; 9, Aleppo Drum Corps; 9:30, WBZ Radio movie club.

WCAP, Washington, D. C. (468.5m-640kc), 6:45-7:45 a. m., Tower health exercises; 7-11 p. m., music; U. S. Marine band; guest soloist; Flora McGill Keefer, mezzo-contralto; A and P. Gypsies, WEAF; opera, "La Sonnambula," WEAF, Cesare Sodero, director.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30 p. m., recital, N. Snellenburg and company; 8, Carolyn Thomas, soprano; Ella Jacquette Kratz, pianist; 8:30, Ruppert and McCullough, banjoists; 8:45, recital; 9, Malis' Merry Minstrels; 9:30, Carl Smith and his Monday Nighters; 10, Arline R. Smith, soprano; Kathryn Figthorne, contralto, Sarah Snyder, pianist; 10:30, Parodians dance orchestra.

WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., dinner program, Goldkette ensemble; 8-9, program.

WEAF, New York, N. Y. (491.5m-610kc), 10:30-12 noon, the Sons of the Revolution, Washington birthday program, direct from Carnegie Hall; 4-4:45, William Scotti and his Club Florida orchestra; 5-6, Vincent Lopez and his orchestra from the Ritz Carlton hotel; 6-7, dinner music, Hotel Waldorf-Astoria; 7-7:20, Columbia university lecture; 7:30-8, Lullaby Lady; 8:45-9, Tower health talk; 9-10, A. and P. Gypsies; 10-11, grand opera, Cavalleria Rusticanna; 11-12 midnight, Ben Bernie and his Hotel Roosevelt orchestra.

WEAO, Columbus, Ohio (293.9m-1020kc), 1:30 p. m., music.

WEAR, Cleveland, Ohio (389.4m-770kc), 7 p. m., Allen theater orchestra.

WEEI, Boston, Mass. (348.6m-860kc), 6:45 a. m., Tower health exercises; 2 p. m., Central Auto Tire company program; 5, Rainbow Ramblers orchestra; 6:15, Joe Rines and his Hunters' Cabin orchestra; 6:45, Big Brother club; 7:30, Warren Wardle, baritone; Miss Wardle, pianist; 7:45, John Kirwan, mandolinist; 8, Black Iron Shiners; 8:45, health talk, WEAF; 9, A. and P. Gypsies, WEAF; 10, Scotty Holmes and his orchestra, Imperial Marimba band.

WFI, Philadelphia, Pa. (394.5m-760kc), 10:30 a. m., music; 10:40, Betty Crocker; 1 p. m., tea room ensemble; 3, patriotic concert; talk, "George Washington," Mabel Swint Ewer; Lester Druckenmiller, violinist; Loretta Kerk, pianist; Edna Moore, soprano; 6:30, Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra.

WGCP, New York, N. Y. (252m-1190kc), 3 p. m., Eva Rothenberg, pianologue; 3:20, LeRoy Mortesanto, tenor; 3:35, program; 4:15-5, Uncle Robert's pals; 5:10, Pollack and Dorn; 8:30, Strickland's orchestra; 9, Madame Nathania, soprano; 9:15-9:45, program; 10, Strickland's orchestra.

WGHB, Clearwater, Fla. (266m-1130kc), 6:30-7:30 p. m., dinner music; 8:30-9:30, Ross sisters, ukulele accompaniment; 11:45-1 a. m., Radio Rambler midnight frolic.

WGHP, Detroit, Mich. (270m-1110kc), 6-7 p. m., dinner concert, Hotel Tuller; 7:30-7:50, children's evening chat; 8-10, Little symphony orchestra, Dirk Van Emmerik, conductor; T. Stanley Perry, tenor; 12-1 a. m., Gerald Marks and his orchestra.

WGR, Buffalo, N. Y. (319m-940kc), 2:30 p. m., WGR's afternoon program; 6:30, "The South-Bound Shufflers"; 8, Danny Engel's popular program; 8:30, variety program by R. R. Hill; 9:30, Mary Louise Conover, recital; 10, Pilgrim Male quartet; 11, Vincent Lopez' Hotel Statler dance orchestra, Harold Gleser, director, John F. Gunderman, Jr., organist.

CELEBRATE WASHINGTON'S BIRTHDA

POPULAR CONCERTS INDEX

Saturday, February 20

Eastern	Central	Mountain	Pacific
7:30 p. m.	6:30 p. m.	5:30 p. m.	4:30 p. m.

WFAA.
8 7 6 5
WAMD, WLS.
9 8 7 6
WBBM, WEAF, WENR, WGBS, WLS, WMAQ, WNYC.
10 9 8 7
KFAB, KPRC, WBBM, WEBH, WENR, WGN, WLS, WMBB, WREO.
11 10 9 8
KFVE, KFWB, KNX, KTHS, WBBM, WMBB, WOK, WQJ, WRC.
12 11 10 9
KNX, KOIL, KPO, KPRC, WBBM, WEBH, WLS, WOAW, WOK, WQJ.
1 a. m. 12 m. 11 10
KFWB, WDAF, WBBM, WEBH, WENR, WOK, WQJ, WSAI.
2 1 a. m. 12 m. 11
KNX, WBBM, WEBH, WENR, WQJ.

Sunday, February 21

Eastern	Central	Mountain	Pacific
9 p. m.	8 p. m.	7 p. m.	6 p. m.

WBBM.
10 9 8 7
WBBM, WMBB.
11 10 9 8
WMBB.
12 11 10 9
KNX, KTHS.
1 a. m. 12 m. 11 p. m. 10
KFWB, WBBM.
2 1 a. m. 12 m. 11
KFWB.

Monday, February 22

Eastern	Central	Mountain	Pacific
7 p. m.	6 p. m.	5 p. m.	4 p. m.

WBBM, WFAA, WOAW.
8 7 6 5
WGBS.
9 8 7 6
WCAU, WEAF, WGR, WKRC, WOK.
10 9 8 7
KFAB, WEBH, WGR, WKRC, WMCA, WOAW, WOK, WSOE.
11 10 9 8
KFAB, KFVE, WOK.
12 m. 11 10 9
KLX, KNX, KOIL, WAMD, WEBH, WHO, WOK.
1 a. m. 12 m. 11 10
KFWB, KLX, WAHG, WDAF, WHT, WKRC, WOK.
2 a. m. 1 a. m. 12 m. 11
KFWB.

Tuesday, February 23

Eastern	Central	Mountain	Pacific
7 p. m.	6 p. m.	5 p. m.	4 p. m.

WMCA, WOAW.
8 7 6 5
WBBM, WEAR.
9 8 7 6
WBBM, WEAR, WBZ, WSB.
10 p. m. 9 p. m. 8 p. m. 7 p. m.
WBBM, WEBH, WMMB, WOAW.

Eastern	Central	Mountain	Pacific
11 p. m.	10 p. m.	9 p. m.	8 p. m.

KFVE, KFWB, KNX, WBBM, WHT, WMBB, WOK, WQJ.
12 m. 11 10 9
KNX, KOIL, KPO, WAMD, WBBM, WEBH, WEBH, WKRC, WMC, WOK, WQJ.
1 a. m. 12 m. 11 10
KFWB, KNX, WFAA, WHT, WOAW, WOK, WQJ.
2 1 12 m. 11
KFWB, WQJ.

Wednesday, February 24

Eastern	Central	Mountain	Pacific
8 p. m.	7 p. m.	6 p. m.	5 p. m.

KFNF, WAHG, WEBJ, WEEI, WMCA.
9 8 7 6
WBBM, WEBJ, WGCP, WNYC.
10 9 8 7
KFAB, KPRC, WBBM, WEBH, WGCP, WHO, WMBB.
11 10 9 8
KFAB, KFVE, KGW, KPO, KWSC, KYW, WBBM, WHN, WMBB, WOK, WQJ.
12 m. 11 10 9
KFWA, KFWB, KNX, KYW, WAMD, WEBH, WOK, WQJ, WSAI.
1 a. m. 12 m. 11 10
KNX, KYW, WBBM, WHT, WOK, WQJ.
2 1 a. m. 12 m. 11
KFWB, KNX, WBBM, WOK, WQJ.

Thursday, February 25

Eastern	Central	Mountain	Pacific
8 p. m.	7 p. m.	6 p. m.	5 p. m.

WCAE, WEAF, WJAR, WMC, WOC, WSAI.
9 8 7 6
WBBM, WHAD.
10 9 8 7
KMA, WBBM, WEBH, WEEI, WHAD, WHN, WMBB, WMC, WNYC, WOAW, WSOE.
11 10 9 8
KHJ, KMA, KYW, WBBM, WMBB, WOK, WQJ.
12 m. 11 10 9
KHJ, KTAB, KOIL, WBBM, WDAF, WEBH, WFAA, WKRC, WOC, WOK, WQJ.
1 a. m. 12 m. 11 10
KFWB, KHJ, WHT, WOK, WQJ.
2 1 a. m. 12.m. 11
KNX, WQJ.

Friday, February 26

Eastern	Central	Mountain	Pacific
8 p. m.	7 p. m.	6 p. m.	5 p. m.

WGCP, WJR.
9 8 7 6
WAMD, WBBM, WGR, WLS.
10 9 8 7
KFAB, WBBM, WEBH, WMC, WDAF, WHAD, WMBB, WOAW, WSOE.
11 10 9 8
KFVE, KFWA, KHJ, KLX, KYW, WMBB, WOK, WQJ.
12 m. 11 10 9
KFWB, KHJ, KNX, KOIL, WAMD, WEBH, WMC, WOK, WQJ.
1 a. m. 12 m. 11 10
KFWB, KHJ, WDAF, WHT, WOK, WQJ.
2 1 a. m. 12 m. 11
KNX, WQJ.

Mrs. Eva Thompson Jones, above, is the attractive contralto who sings regularly at WSM, Nashville. In the center are two young artists caught in the act of broadcasting from KMA, Shenandoah. The violinist is Louise Moyle and the pianist, Leona Geget.

Monday, February 22

WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., Porter E. Potts' Hotel Van Curler orchestra; 7:45, Washington's birthday program, WGY orchestra.

WHAR, Atlantic City, N. J. (275m-1090kc), 2 p. m., Seaside hotel trio; 7:30, talk; 8, Seaside hotel trio, 11:30, orchestra.

WHAZ, Troy, N. Y. (379.5m-790kc), 9 p. m., Rensselaer Polytechnic institute, glee club, Fritz Beiermeister, conductor; 9:45, patriotic pageant; 10:45, Rensselaer Polytechnic institute students' symphony orchestra, A. Olin Niles, conductor; 11:45, campus serenaders, students' dance orchestra.

WHN, New York City, N. Y. (361.2m-830kc), 6 p. m., Littmann's dinner music; 7, Twin Oaks orchestra; 7:30, Joe Ward's Swanee entertainers; 8:05, Roseland dance orchestra; 8:35, Uncle Robert's chat; 8:40, Perry and Russell—the one-man-act; 11, Cotton club orchestra; 11:30, Silver Slipper orchestra; 12-12:30 a. m., Parody club orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:45 a. m., setting-up exercises; 7, setting-up exercises; 10:30, annual Washington birthday celebration of University of Pennsylvania, Hon. Frank Kellogg, U. S. Secretary of State, principal speaker; 1 p. m., Gimbel tea room orchestra; 3, Leodor Lledmedt, violinist; James M. Clawson, baritone, Flora Ripka, accompanist; 6:05, Benjamin Franklin hotel concert orchestra; 7, Uncle Wip's bedtime stories; dancing lessons by Miller Conservatory of Dancing.

WJAX, Jacksonville, Fla. (336.9m-890kc), 3:30 p. m., Hemming Park band concert, Vessella's band, Oreste Vessella, conductor; 7:30, music memory contest; 8-9, popular program, orchestra, vocal, etc.; 9-10, classical program, vocal and instrumental.

WKAR, Lansing, Mich. (285.5m-1050kc), 7-7:15 p. m., bedtime stories; 7:15-8, farm school; 8-9, dance program.

WLIT, Philadelphia, Pa. (394.5m-760kc), 12:02 p. m., daily almanac; Stanley theater organ recital; Arcadia cafe concert orchestra; 2, Arcadia cafe concert orchestra; talk, Rev. Arthur W. Spooner; 4:30, Alice Wightman, pianist; 5, educational talk; 7:30, Dream Daddy; 8, Short Agro Waves, Charles E. Shoffner; 8:15, recital; 9, Stanley hour of Music; 10, Arcadia cafe dance orchestra; 10:30, Fay's vaudeville features; 10:45, El Patio dance orchestra.

WLWL, New York, N. Y. (288.3m-1040kc), 10:10 p. m., study club.

WMAK, Buffalo, N. Y. (266m-1130kc), 7:30-8:30 p. m., Murray Whiteman and his serenaders; 8:30-9, musical program, New Olympic theater; 9-10, musical program, Gowanda high school.

WMBF, Miami Beach, Fla. (384.4m-780kc), 7-9 p. m., Fleetwood Radio orchestra; 10-1 a. m., Gene Fosdick and his orchestra; Fleetwood Radio orchestra.

WMCA, New York City, N. Y. (340.7m-880kc), 11 a. m., Ida Bailey Allen, home-makers' hour; 12:30 p. m., Lucille Buhl, "Making a New Face"; 6, Olcott Vail and his Hotel McAlpin string ensemble; 6:30, Ernie Golden and his Hotel McAlpin orchestra; 7:30, Kurtz Karnival Kings; 8, Terminal musical hour; 9, lecture on Christian Science by Mr. Paul Stark Seeley, C. S. B. of Portland, Ore.; 10:15, Woodmansten Inn orchestra; 11:30, Jack Denny's orchestra.

WNYC, New York, N. Y. (526m-570kc), 7:35 p. m., Chopin anniversary, program by the Polish clubs of New York; 8:30, George Washington's address; 8:35, Washington program by the American Legion; 9, dinner, Police Lieutenant's Benevolent association direct from the Waldorf-Astoria hotel.

WOO, Philadelphia, Pa. (508.2m-590kc), 11 a. m., organ recital; 12:02 p. m., Golden's Crystal tea room orchestra; 4:45, organ recital; 7:30, Ritz Carlton orchestra; 8, Pop concert; 9, A. and P. Gypsies; 10, grand opera, WEAF Grand Opera company; 11, Sylvanis dance orchestra.

WOR, Newark, N. J. (405.2m-740kc), 6:15 p. m. Bill Wathey of the Telegram staff in sports; 6:30, Jacques Jacobs' Hotel Shelton ensemble; 7:30, Sketch from "The By the Way" cast; 8:30, Al Reid of the Branford theater, Newark, N. J.; 9:30, program, direction of the Orange Chamber of Commerce; 10, Josephine Evans quartet; 10:30, Josephine Evans quartet; 11, Hofbrau Haus orchestra.

WPG, Atlantic City, N. J. (299.8m-1000kc), 4:30 p. m., tea time music; 7, Hotel Morton dinner music; 8, children's hour; 8:45, Colonial program; 9, Hotel Ambassador concert orchestra; 10, WPG, ladies' trio; 10:15, Galen Hall trio; 11, Silver Slipper supper club.

WRVA, Richmond, Va. (256m-1170kc), 8:10 p. m., State Teachers' college glee club, patriotic program; 9, "True Virginia Lore," Dr. Douglas Freeman; 9:10, glee club; 9:30, Fork Union college jazz band and quartet, college songs; 11, "Carry Me Back to Old Virginny."

WTAG, Worcester, Mass. (268m-1120kc), 10:30 a. m., musical selections; 12:05-2 p. m., noon-day luncheon music, WTAG orchestra, Will Hardy, director; 7:15, Twilight Scouts; 7:45, Scout announcements; 9-10, Robin Hood hour of music, Arthur Crosbie, director; 10-11, grand opera, WEAF, Cesare Sodero, director.

WTAM, Cleveland, Ohio (389.4m-760kc), 6-7 p. m., Guy Lombardo and his Royal Canadians; 8-11, Patrick Henry high school band, St. Ann's boys' choir; 11-12, Austin Wylie's Vocalion Recording orchestra; 12-1 a. m., Royal Canadians.

WTIC, Hartford, Conn. (475.9m-630kc), 11:25 a. m., Beatrice Torgan, violinist; 12:05 p. m., Travelers club orchestra; 6:30, Mother Goose; 6:50, Hub trio; 9, Lucas and Latham serenaders; 9:30, Emil Heimberger's Hotel Bond orchestra; 10:30-12, Travelers symphonic ensemble, Lora Hickey, contralto.

WWJ, Detroit, Mich. (352.7m-850kc), 7:30-8 a. m., setting-up exercises; 9:30, "Tonight's dinner"; 12:05 p. m., Jules Klein's Hotel Statler orchestra; 3, Detroit News orchestra; 6, dinner concert; 8:30, Detroit symphony orchestra.

Central Time Stations

CKY, Winnipeg, Can. (384.4m-780kc), 8 p. m., University lecture; 9, studio program; 11, weekly revue, Metropolitan theater.

KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., R. S. Johnson, Charles Koontz; 8:30-10:30, old-time music, O. H. Sheffert; Ed Ellingson, original songbird; Mike Kopac, king of the ivories; Cow Bell boys, Belshaw's orchestra.

KFEQ, Oak, Nebr. (267.7m-1120kc), 2-3 p. m., Rassmusen's orchestra; 8:30-10, Rassmusen's orchestra.

KFKU, Lawrence, Kan. (275m-1040kc), 7:15 p. m., University string quartet; Anna Lois Voights, soprano.

KFKX, Hastings, Nebr. (288.3m-1040kc), 12:50 p. m., Dick Rutherford and the Ramblers orchestra; 5:30, dinner concert relay, KDKA; 9, varied musical program.

KFMQ, Fayetteville, Ark. (299.8m-1000kc), 8 p. m., A. W. Towne's orchestra.

KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., concert, Henry Field Seed company.

KFRU, Columbia, Mo. (499.7m-600kc), 4:30-5:30 p. m., Bella Vista Quadrangle orchestra; 6:15, dinner music.

KMA, Shenandoah, Iowa (252m-1190kc), 11:30-12:30 p. m., rural program; music; 6-7, popular dinner hour program; 9-11, Farnham trio; How do you do Boys, Grady and Doc.

KMMJ, Clay Center, Nebr. (229m-1310kc), 1:30 p. m., Old Trusty special afternoon program; 8:30, Old Trusty orchestra.

KMOX, St. Louis, Mo. (280.2m-1070kc), 12:30 p. m., Arthur L. Utt, organist; 3, string ensemble music with soloists; 4, string ensemble music with soloists; 6, organ recital, Arthur L. Utt; 7, Little ymphony, David Bittner, conductor; "Buster Brown"; soloist; 8, Little symphony; Tom Pickard, Scotch songs; 9, Little symphony; Luciano Corlosi, Italian guitarist and tenor; Isaac Walton League; 10, Little symphony; "Mr. and Mrs. Kent"; soloists.

KOIL, Council Bluffs, Iowa (278m-1080kc), 6:30 p. m., dinner program, Ron's collegians; 7:30, program; "The Candy Men"; 9, Ray Winn and his orchestra; 10, Virginia Mulholland, harpist; Frances Mulholland, violinist; 11, Original melody makers; Hotsy-totsy hour.

KPRC, Houston, Tex. (296.9m-1010kc), 12 noon, Frank Tilton, boy pianist; 5:30 p. m., Uncle Judd's kiddies' hour; 7:30, Record's Ramblers dance orchestra; 8:30, Paramount Five, male quartet.

KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., Hertzell Lyon, baritone; 7:30, Ida Quernheim, soprano; 9, Y. M. H. A. orchestra.

KSO, Clarinda, Iowa (242m-1240kc), 7-7:30 p. m., music; 7:30-9, McDonald entertainers.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9-9:45 p. m., opera contrasts, symphonic jazz, Meyer Davis' New Arlington hotel artists; 9:45-10, novelty program, old organ tunes, Lawson Reid; 10-11, Rainbow frolic, Brick English and his orchestra.

KWWG, Brownsville, Texas (278m-1080kc), 12 noon, music; Spud and Me; 6 p. m., music; Spud and Me; 8:30, classical program; Phil McNair, tenor; Erline Murray; Beth Sewell; Mrs. Roland Southerland; John McCleary, violinist.

WADC, Akron, Ohio (285.5m-1160kc), 11 a. m., organ recital; 6:30, Hotel Portage quintet; 1 a. m., early morning frolic.

WAMD, Minneapolis, Minn. (244m-1230kc), 12:01 p. m., popular musical program; Coilla Dare, contralto; Bee Lowell, accompanist; Roy Nowak, banjoist; Jack Lemman, clarinetist; Whity Nightingale, uke soloist; 5:45, Boys' A. C.; 7:01, Garrick symphony orchestra, Heiseke, director; 7:20, classical program; 11, Sky Rocket frolic.

WBAP, Fort Worth, Tex. (475.9m-630kc), 12:05-12:30 p. m., Sunflower girl; 6-6:30, Texas Hotel Royals; 7:30-8:30, Northern Texas Traction company; 9:30-11, Ward's Trail Blazers; 11-12, Majestic theater.

WCAL, Northfield, Minn. (336.9m-890kc), 8:30 p. m., musical program.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 12 noon, concert, Donaldson's orchestra; 2:30 p. m., afternoon concert; 4, readers' club; 5:30, children's hour; 6:30, dinner concert, Gordon Cooke ensemble; Meta Ashwin Birnbach, soprano; Louise Lupien Jenkins, accompanist; 8, University of Minnesota program; 9, classical concert.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., the Tell-Me-a-Story lady; the Trianon ensemble; 8-9:30, program, Ivanhoe band, Walter A. French, director; 11:45-1, Ted Weem's Recording orchestra.

WDOD, Chattanooga, Tenn. (256m-1170kc), 6:30-7 p. m., organ music, Tivoli theater; 7-8, Hotel Patten orchestra; 8:15, special features and program.

WGST, Atlanta, Ga. (270m-1110kc), 9-10 p. m., Georgia Tech Glee club orchestra; Yellow Jacket Four quartet.

WHAS, Louisville, Ky. (399.8m-750kc), 1-2 p. m., Royal Peacock orchestra; 3-3:30, Mrs. Myrtle Fulks Zahn, Jr., organist; 4-5, Music Box concert.

WHB, Kansas City, Mo. (365.6m-820kc), 2-3 p. m., ladies' hour program, Sweeney string trio; 7-8, popular music, Sweeney orchestra, Glen Durrell, director; popular songs and piano numbers.

WHO, Des Moines, Iowa (526m-570kc), 7:30-9 p. m., Simpson Conservatory of Music, Herbert A. Harvey; 11-12, L. Carlos Meier, organist.

WJAD, Waco, Texas (352.7m-850kc), 8:30-10 p. m., novelty program, Clara Doyle.

WKAF, Milwaukee, Wis. (261m-1150kc), 10-11 p. m., Orpheus quartet; Oliver Munz, flute soloist.

WKRC, Cincinnati, Ohio (422.3m-710kc), 6 p. m., Alvin Roehr and his Hotel Alms orchestra; 8, Eugene Perazzo; 9, American Legion; 12, frolic.

WLW, Cincinnati, Ohio (422.3m-710kc), 8 a. m., morning devotions, auspices Parkway Y. M. C. A.; 12:05 p. m., religious services, Rev. George H. Kase; 4, student recital, pupils class of Leo Stoffregen; 7, dinner concert, Hotel Gibson, orchestra directed by Robert Visconti; 7:30, theatrical feature; 8, concert, Cincinnati Times-Star orchestra, William J. Kopp, director; Howard Hafford, tenor; Ewald Haun, flutist.

WMAZ, Macon, Ga. (261m-1150kc), 10-11 p. m., orchestra music, Georgia Sirens.

WMC, Memphis, Tenn. (499.7m-600kc), 8:45, Cortese ensemble.

WNAD, Norman, Okla. (254m-1180kc), 7-8:30 p. m., Helen Bailey, violinist; Ruth Ann Mitchell, pianist; Tessie Rudell, vocalist; Rossie Wampler, pianist; Ann Lee Hamilton, vocalist; Margaret Lee West, cellist; 10:30, Delta Pi serenaders.

WOAN, Lawrenceburg, Tenn. (282.8m-1060kc), 9-10 p. m., male quartet, orchestra; 11:30-1:30 a. m., special program.

WOAW, Omaha, Neb. (526m-570kc), 12:45 p. m., Randall's Royal Fontenelle orchestra; 6, entertainment; 6:20, popular songs; 6:50, Randall's Royal Fontenelle orchestra; 9, classical.

WOS, Jefferson City, Mo. (440.9m-680kc), 8 p. m., patriotic program, Christian college.

WSAI, Cincinnati, Ohio (325.9m-920kc), 8 p. m., A. and P. Gypsies, WEAF; 9, grand opera, WEAF; Cesare Sodero, director; 10, community program, featuring Jeanette Vreeland, soprano; 12 midnight, Freda Sanker's orchestra.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., Agnes Scott Glee club; 10:45, Vick Myers' orchestra.

WSM, Nashville, Tenn. (282.8m-1060kc), 6:30 p. m., Francis Craig's orchestra; 7, bedtime story; 8, Cumberland Chapter, D. A. R.; 10, Vito Pellettieri and his orchestra.

WSMB, New Orleans, La. (319m-940kc), 9:30-11:30 p. m., Dixola novelty orchestra, St. Charles theater orchestra, Strand theater orchestra, Fuzzy Wuzzy Twins.

WSOE, Milwaukee, Wis. (246m-1220kc), 5:30 p. m., twilight hour; Aunt Happy children's stories; Fred Snyder, pianist; "Candygram" entertainers; 9, "Candygram" candies frolic, featuring, Frank Kuhl's Edgewater Beach orchestra; Erving Erving, "Candygram" baritone; Van Buren's Hawaiians; Lorraine Hug, pianist; Venturi Callahan, harmonica.

WSUI, Iowa City, Iowa (483.6m-620kc), 12:30 p. m., piano solos, Esther Swisher; 7:30, College of the Air; 8:30, musical program.

Mountain Time Stations

KFXF, Colorado Springs, Colo. (250m-1200kc), 8:30-10:30 p. m., Colorado Springs Chamber of Commerce.

KOA, Denver, Colo. (322.4m-930kc), 12:45 p. m., Marjorie Nash, organist; 6:30, Brown Palace string orchestra; 8:30, Scheuerman's Colorado orchestra; 8:45, KOA orchestra; 9:30, Washington's Birthday, Daughters of American Revolution; "Recollections of George Washington," Mrs. E. Thomas Boyd Regent; original Revolutionary document, Mrs. James Rae Arneil; letter, Mrs. Winfield Scott Tarbell; KOA orchestra; Everett E. Foster, baritone; Lucile B. Mathis, contralto; Mrs. Frank B. Martin, soprano; addresses, Judge Henry J. Hersey and Mrs. Gerald Livingston Schuyler.

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 5:30-6 p. m., Owen Fallon's Californians; 6, nightly doings; 6:15, Seeing California; 6:30, vest pocket program; 6:45, Radiotorial period; 7-8, Chinese Gardens dance orchestra; 8-9, Screen artists string quartet; 9-10, program, Walter M. Murphy Motors company, broadcast simultaneously by KFI and KPO; 10-11, program, Meiklejohn Brothers, booking agency.

KFOA, Seattle, Wash. (454.3m-660kc), 7-8:15 p. m., Sherman Clay and company; 8:15-8:30, industrial news; 8:30-10, Times studio program.

KFON, Long Beach, Calif. (232.4m-1290kc), 6-6:30 p. m., Brayton's theater organ; 6:30-7, amusement bulletin; 7-8, Gerry Galbreith's Venetians; 8-9, Press-Telegram program; 9-11, Lake club orchestra.

KFWB, Hollywood, Calif. (252m-1190kc), 5-6 p. m., Big Brother of KFWB; 7:30, program, Dr. Ralph Mitchell and the Associated Dentists, featuring Friendly Dentists orchestra; Dan Gridley, tenor; Esther White, blues singer; 8-9, Bill Hatch and his Oakmont Country club orchestra; Sol Hoopii's Hawiians; 9-10, program, Star Motor Car company; Million Dollar Four orchestra; Tom Breneman, baritone; Ashley Sisters, vocal duets; 10-11 p. m., Warner Brothers frolic, direction Charlie Wellman.

KGO, Oakland, Calif. (361.2m-830kc), 7:15-7:30 a. m., health training exercises, Hugh Barrett Dobbs; 7:45, Pep class; 8:15-8:30, exercises; 11:30-1 p. m., Sherman Clay and company luncheon concert; 3-4, Wilda Wilson Church; Genevieve Sweetser, soprano; Elizabeth Thomas, mezzo-soprano; 5:30-6, Aunt Betty stories, Kiddies' Klub, Ruth Thompson; 6-6:55, Brokaw and his orchestra; 8, educational program, music, Arion trio.

KGW, Portland, Ore. (491.5m-610kc), 7:15 a. m., health exercises; 12:30-1:30 p. m., concert; 6-7, dinner concert; 8-9, concert; 9-10, concert.

KMTR, Hollywood, Calif. (238m-1260kc), 7:15 p. m., Y. M. C. A. hour; 8-10, KMTR concert orchestra,

DANC

Central

Saturday,
8, Wjr, W
8:30, Wfaa;
9, Webh, W
Wnyc, Wreo
Wip; 9:30,
Wor, Wrc;
Kfwa, Koa,
Wgn, Wjr, W
Wnyc, Wor,
Wtam; 10
10:30, Wa
Wls; 11, K
Kfwb, Kpo,
Wgbu, Who,
Kfoa; 11:45
Kfwa, Kgo,
Wgbu, Wjjd.

Monday,
8, Wgcp; 9,
Wjar, Wor;
10, Kths, W
Wgr, Wnyc,
Wor; 10:30,
Whn; 11,
Wgbu, Wgcp
Who; 11:45,
Knx, Kpo.

Tuesday,
9, Webh, W
9:30, Wcau,
Wip; 9:35,
Kfvc, Wbt
Wehh, Wgbu,
Wmca, Wnyc,
Kths; 10:30,
10:45, Wsb;
Koil, Wgbu,
Kfoa; 11:45,
Kgw, Khj,
Wdaf; 1, W

Wednesday,
24: 9, W
Wgbu, Wgcp,
Wmbb, W
9:15, Wahg;
Who, Wor;
Wbap, Weaf,
Wqj; 10:
10:30, Wbap
Koil, Kpo, W
Wgcp, Wgr,
Wdaf; 12,
Kpo, Wjjd.

Thursday,
8, Wjr; 9,
Wgbu, W
Wmbb, Wsai,
Wbz, Wip;
Wgy, Whn;
10, Kths, W
Wgbu, Whn,
Wqj; 10:30,
Webh, Wgbu,
11:45, Wdaf
Khj, Knx, K

Friday,
Wwj; 9, W
Weei, Wgb
Wmbb; 9:15,
Wcau, Whn;
Kpo, Kths, W
Whn, Wgr,
Wcco; 10:30,
11, Kfwb, K

WITH SPECIAL RADIO PROGRAMS

The famous Trianon orchestra which broadcasts every evening and Sunday afternoon from WMBB, Chicago, is directed by Dell Lampe, above. Mr. Lampe played for sometime with Vincent Lopez. He has made his orchestra one of the most widely known and popular organizations on the air.

KFKU, KFMQ, KFUO, KFWA, KYX, KOA, KOAC, KOB, KOWW, KUOM, KWSC, WABQ, WAHG, WAMD, WBBR, WCAD, WCAL, WCAP, WGCP, WGST, WHAD, WHAZ, WJAD, WJAZ, WKAF, WKAQ, WLWL, WOI, WOS, WRVA, WSUI, WTAM, WTIC.

Eastern Time Stations

CNRA, Moncton, Can. (291.1m-1030kc), 6:30 p. m., bedtime story, Aunt Ida; 7, Juvenile program, Prof. C. M. Wright; 8, studio program, Stephen McGillivray, director; Mrs. Horace Turner, soprano; Janette Lawley, contralto; Alexander McNeil, tenor; Thomas McDonald, baritone; Stephen McGillivray, violinist; Bernard McIntosh, pianist; ensemble; 10, orchestra.

KDKA, Pittsburgh, Pa. (309.1m-970kc), 12:20 p. m., Trinity Church Lenten service; 6:30, dinner concert; 8:30, sacred song half-hour; 9, KDKA Little symphony orchestra; Valeria Chambordon, soprano; 11:35, Grand theater concert.

PWX, Havana, Cuba (400m-750kc), 8:30-9:15 p. m., "G. E." concert; 9:25-10:10, musical program; 10:20-11, "G. E." concert.

WBAL, Baltimore, Md. (246m-1220kc), 6:30-7:30 p. m., dinner program, WBAL dinner orchestra; Robert P. Iula, conductor; 7:30-8, male quartet; 8-9, musical program, Leslie Frick, contralto; George Bolek, pianist; James Wilkinson, baritone; 9-10, string trio; Philip Jeffreys, pianist.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:45 p. m., Hotel Pennsylvania orchestra; 7:30, recital, N. Snellenburg and company; 8-8:10, the Three Brothers; 8:25, theater digest, Abe Lipscnutz; 8:35, WCAU players; 9, Robert Frazer, blind gospel singer, Elizabeth Holtz, pianist; 9:30, The Sea Gulls; 10, Ed. McCauley and his pals; 10:30, Cathay Tea Garden dance orchestra.

WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., dinner program, Goldkette ensemble; 10-2 a. m., Red Apple club.

WEAF, New York, N. Y. (491.5m-610kc), 6:45, 7, 7:20 a. m., Tower health exercises to WEAF, WEEI, WCAP; 7:45-8, morning prayer services, Greater New York Federation of Churches; 11, John Quine, baritone; 11:10, "The Play of the Hour," auspices of the Lecture Bureau of the Board of Education; 11:25, John Quine, baritone; 11:35, motion picture forecast, Adele Woodard; 11:50, John Quine, baritone; 4 p. m., Lieut. Lawrence Mansfield Matt and his Phapsodists orchestra; 6 dinner music Rose room of the Hotel Waldorf-Astoria; 7, Anne Gregory, mezzo-contralto; 7:30, a half-hour with American composers—John Hyatt Brewer assisted by choir of Lafayette Avenue Presbyterian church; 8, Blue Ribbon male quartet, WEAF, WEEI, WFI, KSD, WCAE, WWJ, WGR; 8:30, Gold Dust Twins, WEAF, WEEI, WFI, WCAE, WGR, WWJ, WOO, WJAR, WCCO, WLIB, WEAR, KSD; 9, Eveready hour, to WEAF, WEEI, WFI, WCAE, WGR, WWJ, WOO, WJAR, WCCO, WTAG, WGN, WEAR, WSAI, KSD; 10, Moment musicale, WEAF, WEEI, WFI, WWJ, WGR, WCAE, WTAG, KSD, WEAR; 10:30, Vincent Lopez and his orchestra from Casa Lopez, WEAF, WEEI, WFI, WWJ, WGR, WCAE, WTAG, KSD, WEAR; 11-12 midnight, Ross Gorman and his Monte Carlo orchestra, New York City.

WEAO, Columbus, Ohio (293.9m-1020kc), 7 p. m., University chimes, Allen McManigal; 7:25, Peter Helpen story, Uncle Al; 7:45, Delta Tau Deltas fraternity.

WEAR, Cleveland, Ohio (389.4m-770kc), 7 p. m., State theater vaudeville and music; 8, studio program, instrumental ensemble; 8:30, Gold Dust Twins, WEAF; 9, Eveready entertainers, WEAF; 10, Moment musicale, WEAF; 10:30, Vincent Lopez orchestra; 11, Wormack's singing syncopators.

WEBJ, New York, N. Y. (272.6m-1100kc), 7-7:30 p. m., Ritz ensemble; 7:45, Sal Angarola and Eddie Collins, banjo and uke duets; 8-9, R. R. talk, G. T. Geer; 8:15, Ruth Pachner, soprano, accompanied by Lillian Kroll; 8:30, Ballonnades ballroom orchestra.

WEEI, Boston, Mass. (348.6m-860kc), 6:45 a. m., health exercises; 2:45 p. m., Scotch songs, Neil Patterson; 3, Eugene's Singing orchestra; 5, Joe Herlihy's Collegians; 6:05, George Joy and Nell Cantor, popular songs; 6:45, Big Brother club; 7:30, Cecelia and Robert Gomberg, violinists, Mr. Joseph Rysman, accompanist; 8, Blue Ribbon quartet, WEAF; 8:30, Gold Dust Twins, WEAF; 9, Eveready hour, WEAF; 10, Moment musical; 10:30, Vincent Lopez and his orchestra.

WFI, Philadelphia, Pa. (394.5m-760kc), 1 p. m., tea room ensemble; 3, Women's Symphony orchestra of Phila., J. W. F. Leman, director; Helen Rowley, president, and Mabel Swint Ewer, founder; prominent soloists; 6:30, Bellevue Stratfrod concert orchestra; 7, Bellevue Stratford dance orchestra; 8:30, Gold Dust Twins, WEAF; 9, Eveready hour, WEAF; 10, Moment musical; 10:30, Vincent Lopez and his orchestra.

Loren Powell, director; 10-11, Starr Piano company studio.

KNX, Hollywood, Calif. (336.9m-890kc), 5-5:30 p. m., Sunny Jim's talk; 5:30-6, Leighton's Arcade cafeteria orchestra; 6, Town Tattler; 6:15, travel talk, W. F. Alder; 6:30-7, Atwater Kent concert orchestra; 7-7:30, Mutual Motors Mirth contest; 7:30-8, feature program; 8-9, program, L. W. Stockwell company; 9-10, Glassmobile Minstrels; 10-11, Goodrich Silvertown Cord dance orchestra; Lilyan May Challenger, contra-contrlato; 11-12 midnight, Ray West's Ambassador hotel dance orchestra.

KOAC, Corvallis, Ore. (280.2m-1070kc), 6:50 p. m., musical selections; farm topics.

KPO, San Francisco, Calif. (428.3m-700kc), 7, 7:30, 8 a. m., daily dozen; 12 noon, scripture reading; 1-2 p. m., Rudy Seiger's Fairmont hotel orchestra; 2:30-3:30, patriotic program; 5:15-6:15, children's hour stories; 6:40-7, Waldemar Lind and the States restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel orchestra; 8-9, organ recital, Uda Waldrop; 9-10, program, for Walter M. Murphy Motor company; 10-11, Jack Coakley's Cabirians.

KTAB, Oakland, Calif. (240m-1250kc), 9-9:30 a. m., prayer service, Rev. E. L. Spaulding; 12-1, concert; 8-10, program, Western States Life Insurance company.

KWSC, Pullman, Wash. (348.6m-880kc), 7:30-9 p. m., special program, Dengal's Bohemians, dance orchestra; Freda Peterson, vocalist; Margaret Baker, pianist.

Tuesday, February 23

Headliners Today

Eastern	Central	Mountain	Pacific
5 p. m.	4 p. m.	3 p. m.	1 p. m.

KYW (535.4m-560kc) Wendell Hall, Red-Headed Music Maker.
8 7 6 5
KFNF (263m-1140kc) Birthday program.
WGY (379.5m-790kc) Finals of Old Fiddlers' contest.
8:30 7:30 6:30 5:30
WEAF (491.5m-610kc), WEEI (348.6m-860kc), WFI (394.5m-760kc), WCAE (461.3m-650kc), WGR (319m940kc), WWJ (352.7m-850kc), WOO (508.2m-590kc), WJAR (305.9m-980kc), WCCO (416.4m-720kc), WLIB (302.8m-990kc), WEAR (389.4m-770kc), KSD (545.1m-550kc), Marianna club, popular program.
9 8 7 6
WEAF (491.5m-610kc), WEEI (348.6m-860kc), WFI (394.5m-760kc), WCAE (461.3m-650kc), WGR (319m-940kc), WWJ (352.7m-850kc), WOO (508.2m-590kc), WJAR (305.9m-980kc), WCCO (416.4m-720kc), WTAG (268m-1120kc), WGN (302.8m-990kc), WEAR (389.4m-770kc), WSAI (325.9m-920kc), KSD (545.1m-550kc), Eveready hour.
10 9 8 7
KMOX (280.2m-1070kc) Julius Bischof, "Bert Williams of the Air."
10:30 9:30 8:30 7:30
KFXF (250m-1200kc) Pageant.
11 10 9 8
KYW (535.4m-560kc) Wendell Hall.
12 m. 11 10 9
WFAA (475.9m-630kc) Harry Hassall, cellist.
12:15 a. m. 11:15 10:15 9:15
KGO (361.2m-830kc) Harmonica quartet.
1 12 11 10
WOC (428.3m-700kc) Special musical program until 3 a. m.

Tuesday, silent night for: CFCA, CHIC, CKNC, CKY, CNRC, CNRE, CNRM, CNRO, CNRW, CNRT, KFKX.

FARMERS' PROGRAMS INDEX

Farmer Dinner Concerts

Daily Except Sunday

CENTRAL TIME

KFNF, 12:15-1:35 p. m.
KMA, 12:30-1:30 p. m.
KSO, 12:30-1:30 p. m.
WLS, 12 noon.

Saturday, February 20

Eastern	Central	Mountain	Pacific
1:45 p. m.	12:45 p. m.	11:45 a. m.	10:45 a. m.

WOI (270m-1110kc) Soils, questions and answers.
8 7 6 5
KDKA (309.1m-970kc) Farm program.

Sunday, February 21

Eastern	Central	Mountain	Pacific
3:30 p. m.	2:30 p. m.	1:30 p. m.	12:30 p. m.

WFAA (475.9m-630kc) Sunday hour for farmers.

Monday, February 22

Eastern	Central	Mountain	Pacific
1:15 p. m.	12:15 p. m.	11:15 a. m.	10:15 a. m.

WEAO, (293.9m-1020kc) Timely Economic Information for the Farmer, C. J. West.
WOC (483.6m-620kc) "Sunshine, the Elixir of Porcine Life."
1:35 12:35 11:35 10:35
KSAC (340.7m-880kc) "Seedbeds for Alfalfa and Sweet Clover," H. Sumner; "Pruning Brambles," L. Williams.
1:45 12:45 11:45 10:45
WOI (270m-1110kc) Dairy Production.
WMAQ (447.5m-670kc) Radio farm school.
1:50 12:50 11:50 10:50
KFKX (283.3m-1040kc) "Sunshine, the Elixir of Porcine Life," Prof. John Evvard.
7 6 5 4
WGY (379.5m-790kc) Agricultural program.
7:45 6:45 5:45 4:45
WSOE (246m-1220kc) Hog Raising.
8 7 6 5
KSO (242m-1240kc) Farm talk.
8:15 7:15 6:15 5:15
KSAC (340.7m-880kc) "Feeding Western Lambs," H. Reed; "What Do Chicks That Have Just Discovered America Expect?" H. Steup.
8:30 7:30 6:30 5:30
KFMQ (299.8m-1000kc) "Care of Cows on Pasture," W. Woodley; "George Washington, the Farmer," J. Barnett; "Martha Washington, the Farmer's Wife," G. Conant; "Some Things George Washington Did Not Know About the Cherry Tree," C. Woolsey; "How Calhoun County Was Able to Take So Many Farmers to Scott," H. Dasher.
WMC (499.7m-600kc) Talk.
8:45 7:45 6:45 5:45
WCCO (416.4m-720kc) farm vegetable gardening, "Garden Pests," J. G. Leach.
9:05 8:05 7:05 6:05
KFAB (340.7m-880kc) "The Value of a Good Seed Bed and Seeding Practices in Obtaining Stands of Small Seeded Grasses and Legumes," E. D. Keim; "Dressing Up the Front Yard," C. Wiggans.
9:30 8:30 7:30 6:30
KOB (348.m-860kc) "Improving the Home Grounds," J. Rigney; "Concrete on the Farm," Harvey Garet.
10 9 8 7
KOAC (280.2m-1070kc) Agricultural question box. "Experimental Results in Growing Cattle," E. Potter.
10:30 9:30 8:30 7:30
KOAC (280.2m-1070kc) "Alfalfa Culture in Eastern Oregon," E. Jackman.
10:45 9:45 8:45 7:45
KOAC (280.2m-1070kc) "Dormant and Delayed Dormant Spraying of Orchards," Don C. Mote.
11 10 9 8
KOAC (280.2m-1070kc) "Use of Commercial Fertilizers for Oregon Soil Types," C. Ruzek.
12:15 a. m. 11:15 10:15 9:15
KWSC (348.6m-860kc) "Pastures and Their Care," Leonard Hegnauer; "History of Farm Bureau Development in the U. S." Carl Laney.

Tuesday, February 23

Eastern	Central	Mountain	Pacific
11:30 a. m.	10:30 a. m.	9:30 a. m.	8:30 a. m.

KFAB (340.7m-880kc) "Feeding the Chicks," F. Mussehl.
1:15 p. m. 12:15 p. m. 11:15 10:15
WOC (483.6m-620kc) "Marketing Eggs."
1:35 12:35 11:35 10:35
KSAC (340.7m-880kc) "Early Care of Lambs." C. Elling; "Typing Grape Vines," W. Martin.
1:45 12:45 11:45 10:45
WMAQ (447.5m-670kc) Radio farm school.
1:50 12:50 11:50 10:50
KFKX (288.3m-1040kc) "The Chick Brooder," A. Philips.
7:10 6:10 5:10 p. m. 4:10 p. m.
WEAO (293.9m-1020kc) "Baby Chick Troubles and Their Control," E. Dakan.
7:15 6:15 5:15 4:15
WKAR (285.5m-1050kc) "Veterinary Practice with Small Animals," E. Sales.
7:30 6:30 5:30 4:30
WEAO (293.9m-1020kc) "Vegetable Spice in Variety," L. Montgomery.
WKAR (285.5m-1050kc) "Problems of an Incubator Operator," J. Hannah.
WKAR (285.5m-1050kc) "Types and Breeds of Sheep," G. A. Brown.
8 7 6 5
KFRU (499.7m-660kc) "Care of Brood Sows and Pigs," L. Weaver.
KSAC (340.7m-880kc) "Feeding Dairy Calves and Heifers," R. Lush; "Beautiful Home Grounds Plus Vegetable Gardens," Albert Dickens.
KSO (242m-1240kc) Farm talk.

Wednesday, February 24

Eastern	Central	Mountain	Pacific
1:15 p. m.	12:15 p. m.	11:15 a. m.	10:15 a. m.

WOC (483.6m-620kc) The A B C's of Dairying.
1:35 12:35 11:35 10:35
KSAC (340.7m-880kc) "Sweet Clover Seeding." L. Willoughby; "Care and Feed for the Calf," R. Kiser.
1:45 12:45 11:45 10:45
WMAQ (447.5m-670kc) Radio Farm school.
WOI (270m-1110kc) Poultry husbandry.
1:50 12:50 11:50 10:50
KFKX (288.3m-1040kc) "A B C's of Dairying," C. Lang.
7:15 6:15 5:15 p. m. 4:15 p. m.
WKAR (285.5m-1050kc) "The Home Fruit Garden," V. Gardner; "Pruning Mature Fruit Trees," R. Marshall.
9 8 7 6
WOS (440.9m-680kc) "Home and Community," W. Redford.
9:05 8:05 7:05 6:05
KFAB (340.7m-880kc) "Control of Some Insect Pests of the Seasons," M. Swenk; "Dairy Sire Exchange the Bull Association," E. Hansen.
10:45 9:45 8:45 7:45
KWSC (348.6m-860kc) "Roots, a Valuable Feed Crop," E. Shafer.

Thursday, February 25

Eastern	Central	Mountain	Pacific
1:15 p. m.	12:15 p. m.	11:15 a. m.	10:15 a. m.

WOC (483.6m-620kc) "Commercial Possibilities Seemingly Unlimited."

Eastern	Central	Mountain	Pacific
1:45 p. m.	12:45 p. m.	11:45 a. m.	10:45 a. m.

WMAQ (447.5m-670kc) Radio farm school.
WOI (270m-1110kc) Farm crops.
1:50 12:50 11:50 10:50
KFKX (288.3m-1040kc) "The Soy Bean—Commercial Possibilities Seemingly Unlimited," J. Hackleman.
7:15 6:15 5:15 p. m. 4:15 p. m.
WKAR (285.5m-1050kc) "Breeding Dairy Cattle," J. Burnett; "Importance of Water for Dairy Cows," George Taylor; "Vitamins in Ration of Dairy Cattle," C. Huffman.
8 7 6 p. m. 5:00 p. m.
KSO (242m-1240kc) Farm talk.
WEAO (293.9m-1020kc) Poultry—"Looking Ahead on the Poultry Farm," E. Dakan.
8:30 7:30 6:30 5:30
WOI (270m-1110kc) "Red Clover," H. Hughes.
9:30 8:30 7:30 6:30
KOA (322.4m-930kc) Farm question box.

Friday, February 26

Eastern	Central	Mountain	Pacific
1:15 p. m.	12:15 p. m.	11:15 a. m.	10:15 a. m.

WOC (483.6m-620kc) Special farm service day.
1:45 12:45 11:45 10:45
WOI (270m-1110kc Agricultural Economics.
2 1 12 n. 11
KFKX (288.3m-1040kc) Special Farm Service day.
WMAQ (447.5m-670kc) Radio farm talk.
7:15 6:15 5:15 p. m. 4:15 p. m.
WKAR (285.5m-1050kc) "Wheat and Chaff," J. Cox; "Meeting Certified Seed Requirements." Paul Miller; "Sweet Clover," C. R. Megse; "Seed Time Message to Michigan Farmers," Garfield Farley.
8 7 6 5
KFRU (499.7m-660kc) "A Permanent Pasture System on Every Farm," A. Ragsdale.
8:15 7:15 6:15 5:15
KSAC (340.7m-880kc) "The Relation of Beekeeping to Agriculture," R. L. Parker.
KSO (242m-1240kc) Farm talk.
8:30 7:30 6:30 5:30
WOC (483.6m-620kc) Question box.
8:45 7:45 6:45 5:45
WCCO (416.4m-720kc) "Flower Growing—House Plants, Window Boxes," R. S. Mackintosh.
WCCO (416.4m-720kc) Flower Growing—Perennials, H. R. Mackintosh.
9:05 8:05 7:05 6:05
WOS (440.9m-680kc) "Our Heritage," R. Elkins.
KOAC (280.2m-1070kc) "Painting, Cleaning and Polishing the Auto," K. Coulson.
10:30 9:30 8:30 7:30
KWSC (348.6m-860kc) "The Interesting Bee Family," B. Slocum; "Should the 1926 Potato Crop Be Increased?" M. D. Armstrong.
10:45 9:45 8:45 7:45
KOAC (280.2m-1070kc) "Painting, Cleaning and Polishing the Auto," K. Coulson.

Markets and Weather

Daily Except Sunday

Eastern	Central	Mountain	Pacific
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.

WFAA (475.9m-630kc) Markets.
WOAW (526m-570kc) Markets.
9:45 8:45 7:45 6:45
KDKA (309.1m-970kc) Livestock, grain.
10 9 8 7
WLS (344.6m-870kc) Livestock, markets, fruit.
WOS (440.9m-680kc) Hogs.
10:30 9:30 8:30 7:30
KFKX (288.3m-1040kc) Weather, hog market, local produce, hay, Chicago Board of Trade futures.
WFAA (475.9m-630kc) Markets.
10:45 9:45 8:45 7:45
WCCO (416.4m-720kc) Markets.
WMC (499.7m-600kc) Weather, markets.
11 10 9 8
WOS (440.9m-680kc) Weather, hogs.
11:15 10:15 9:15 8:15
WTAG (268m-1120kc) Markets, weather.
11:30 10:30 9:30 8:30
KFKX (288.3m-1040kc) Weather, Chicago Board of Trade, livestock, Chicago and New York butter and egg market, local produce.
WCCO (416.4m-720kc) Markets.
WEAR (389.4m-770kc) Markets, weather.
11:45 10:45 9:45 8:45
WAAW (384.4m-780kc) Livestock, butter, eggs.
12 n. 11 10 9
KDKA (309.1m-970kc) Weather, livestock, grain.
WBAP (475.9m-630kc) Weather, cattle, grain.
WLS (344.6m-870kc) Poultry, dairy, hogs, sheep.
WOS (440.9m-680kc) Livestock, poultry, eggs, grain.
12:30 p. m. 11:30 10:30 9:30
KFKX (288.3m-1040kc) Livestock, fruit, vegetables, dairy.
WEAR (384.4m-780kc) Markets, weather.
WFAA (475.9m-630kc) Markets.
1 12 n. 11 10
WBAP (475.9m-630kc) Markets.
WHT (238m-1260kc) Fruit, weather.
WOS (440.9m680kc) Livestock, weather.
1:30 12:30 11:30 10:30
KTHS (374.8m-800kc) Markets, weather.
KFKX (288.3m-1040kc) Weather, livestock, potato market, apples.
WOAW (526m-570kc) Markets.
1:35 12:35 11:35 10:35
KPO (428.3m-700kc) Butter, eggs, cheese, poultry.
1:45 12:45 11:45 10:45
KOA (322.4m-930kc) Weather, roads, livestock, poultry.
2 1 12 n. 11
WOC (483.6m-620kc) Weather, grain, livestock, dairy.
WOS (440.9m-680kc) Grain.
2:15 1:15 12:15 p. m. 11:15
WAAW (384.4m-780kc) Grain markets.
WFAA (475.9m-630kc) Markets.
3 2 1 12 n.
WLS (344.6m-870kc) Livestock, grain, dairy, fruit, vegetables.
WOS (440.9m-680kc) Livestock, markets, grain.
3:30 2:30 1:30 12:30 p. m.
WFAA (475.9m-630kc) Markets.
WMC (499.7m-600kc) Markets, weather.
3:50 2:50 1:50 12:50
WWJ (352.7m-850kc) Weather, markets.
4 3 2 1
KFKX (288.3m-1040kc) Weather, Chicago Board of Trade futures, Kansas City cash grain report, Omaha grain, livestock.
WCCO (416.4m-720kc) Markets.
WCX (516m-580kc) Stocks and grain.
WFAA (475.9m-630kc) Markets.
5:50 4:50 3:50 2:50
WHAS (399.8m-750kc) Markets.
6:30 5:30 4:30 3:30
KSAC (340.7m-880kc) Markets.
6:45 5:45 4:45 3:45
WIP (508.2m-590kc) Livestock, markets.
7:30 6:30 5:30 4:30
KMA (252m-1190kc) Markets and weather.
KSAC (340.7m-880kc) Market review.
7:45 6:45 5:45 4:45
KFWA (261m-1150kc) Market reports.
8 7 6 5
KFKX (288.3m-1040kc) Weather, livestock, Boston wool, Omaha grain.
KOA (322.4m-930kc) Sheep, markets, livestock, poultry.
11 10 9 8
WCCO (416.4m-720kc) Weather, grain.

CEL

POPULA

Saturday, Februa

Eastern | Central | Mount

7:30 p. m. | 6:30 p. m. | 5:30 p.
WFAA.

8 | 7 | 6
WAMD, WLS.

9 | 8 | 7
WBBM, WEAF, WENR, WGBS
WNYC.

10 | 9 | 8
KFAB, KPRC, WBBM, WEBH,
WLS, WMBB, WREO.

11 | 10 | 9
KFVE, KFWB, KNX, KTHS,
WOK, WQJ, WRC.

12 | 11 | 10
KNX, KOIL, KPO, KPRC, WBB
WOAW, WOK, WQJ.

1 a. m. | 12 m. | 11
KFWB, WDAF, WBBM, WEBH
WQJ, WSAI.

2 | 1 a. m. | 12 m.
KNX, WBBM, WEBH, WENR,

Sunday, Februar

Eastern | Central | Mount

9 p. m. | 8 p. m. | 7 p. m
WBBM.

10 | 9 | 8
WBBM, WMBB.

11 | 10 | 9
WMBB.

12 | 11 | 10
KNX, KTHS.

1 a. m. | 12 m. | 11 p. m
KFWB, WBBM.

2 | 1 a. m. | 12 m.
KFWB.

Monday, Februa

Eastern | Central | Mount

7 p. m. | 6 p. m. | 5 p. m
WBBM, WFAA, WOAW.

8 | 7 | 6
WGBS.

9 | 8 | 7
WCAU, WEAF, WGR, WKRC,

10 | 9 | 8
KFAB, WEBH, WGR, WKRC,
WOK, WSOE.

11 | 10 | 9
KFAB, KFVE, WOK.

12 m. | 11 | 10
KLX, KNX, KOIL, WAMD, WE

1 a. m. | 12 m. | 11
KFWB, KLX, WAHG, WDAF,
WOK.

2 a. m. | 1 a. m. | 12 m.
KFWB.

Tuesday, Februa

Eastern | Central | Moun

7 p. m. | 6 p. m. | 5 p. m
WMCA, WOAW.

8 | 7 | 6
WBBM, WEAR.

9 | 8 | 7
WBBM, WEAR, WBZ, WSB.

10 p. m. | 9 p. m. | 8 p. m
WBBM, WEBH, WMMB, WOA

Monday, Febru

WGY, Schenectady, N. Y. (379.5m-7
Porter E. Potts' Hotel Van Curle
Washington's birthday program, WG
WHAR, Atlantic City, N. J. (275m-1090kc),
Seaside hotel trio; 7:30, talk; 8, Seaside hot
11:30, orchestra.
WHAZ, Troy, N. Y. (379.5m-790kc), 9 p. m., Re
Polytechnic institute, glee club, Fritz Beier
conductor; 9:45, patriotic pageant; 10:45, Re
Polytechnic institute students' symphony or
A. Olin Niles, conductor; 11:45, campus sere
students' dance orchestra.
WHN, New York City, N. Y. (361.2m-830kc), 6
Littmann's dinner music; 7, Twin Oaks orchestra
Joe Ward's Swanee entertainers; 8:05, Roseland
orchestra; 8:35, Uncle Robert's chat; 8:40, Per
Russell—the one-man-act; 11, Cotton club orc
11:30, Silver Slipper orchestra; 12-12:30 a. m.,
club orchestra.
WIP, Philadelphia, Pa. (508.2m-590kc), 6:45
setting-up exercises; 7, setting-up exercises;
annual Washington birthday celebration of Un
of Pennsylvania, Hon. Frank Kellogg, U. S.
tary of State, principal speaker; 1 p. m.,
tea room orchestra; 3, Leodor Lledmedt, vi
James M. Clawson, baritone, Flora Ripka, accom
6:05, Benjamin Franklin hotel concert orchest
Uncle Wip's bedtime stories; dancing lessons b
ler Conservatory of Dancing.
WJAX, Jacksonville, Fla. (336.9m-890kc), 3:30
Hemming Park band concert, Vessella's band,
Vessella, conductor; 7:30, music memory contes
popular program, orchestra, vocal, etc.; 9-10, c
program, vocal and instrumental.
WKAR, Lansing, Mich. (285.5m-1050kc), 7-7:15
bedtime stories; 7:15-8, farm school; 8-9, danc
gram.
WLIT, Philadelphia, Pa. (394.5m-760kc), 12:02
daily almanac; Stanley theater organ recital;
cafe concert orchestra; 2, Arcadia cafe concert
tra; talk, Rev. Arthur W. Spooner; 4:30, Alice
man, pianist; 5, educational talk; 7:30, Dream
8, Short Agro Waves, Charles E. Shoffner; 8:
cital; 9, Stanley hour of Music; 10, Arcadi
dance orchestra; 10:30, Fay's vaudeville f
10:45, El Patio dance orchestra.
WLWL, New York, N. Y. (288.3m-1040kc), 10:10
study club.
WMAK, Buffalo, N. Y. (266m-1130kc), 7:30-8:30
Murray Whiteman and his serenaders; 8:30-9,
program, New Olympic theater; 9-10, musical pro
Gowanda high school.
WMBF, Miami Beach, Fla. (384.4m-780kc), 7-9 p. m.,
Fleetwood Radio orchestra; 10-1 a. m., Gene Fosdick
and his orchestra; Fleetwood Radio orchestra.
WMCA, New York City, N. Y. (340.7m-880kc), 11 a. m.,
Ida Bailey Allen, home-makers' hour; 12:30 p. m.,
Lucille Buhl, "Making a New Face"; 6, Olcott Vail
and his Hotel McAlpin string ensemble; 6:30, Ernie
Golden and his Hotel McAlpin orchestra; 7:30, Kurtz
Karnival Kings; 8, Terminal musical hour; 9, lec-
ture on Christian Science by Mr. Paul Stark Seeley,
C. S. B. of Portland, Ore.; 10:15, Woodmansten Inn
orchestra; 11:30, Jack Denny's orchestra.
WNYC, New York, N. Y. (526m-570kc), 7:35 p. m.,
Chopin anniversary, program by the Polish clubs of
New York; 8:30, George Washington's address; 8:35,
Washington program by the American Legion; 9,
dinner, Police Lieutenant's Benevolent association di-
rect from the Waldorf-Astoria hotel.
WOO, Philadelphia, Pa. (508.2m-590kc), 11 a. m., organ
recital; 12:02 p. m., Golden's Crystal tea room or-
chestra; 4:45, organ recital; 7:30, Ritz Carlton or-
chestra; 8, Pop concert; 9, A. and P. Gypsies; 10,
grand opera, WEAF Grand Opera company; 11, Syl-
vania dance orchestra.
WOR, Newark, N. J. (405.2m-740kc), 6:15 p. m., Bill
k.
A
KFN
cert, Henry Field Seed company.
KFRU, Columbia, Mo. (499.7m-600kc), 4:30-5:30 p. m.,
Bella Vista Quadrangle orchestra; 6:15, dinner music.
KMA, Shenandoah, Iowa (252m-1190kc), 11:30-12:30
p. m., rural program; music; 6-7, popular dinner
hour program; 9-11, Farnham trio; How do you do
Boys, Grady and Doc.
KMMJ, Clay Center, Nebr. (229m-1310kc), 1:30 p. m.,
Old Trusty special afternoon program; 8:30, Old Trusty
orchestra.
KMOX, St. Louis, Mo. (280.2m-1070kc), 12:30 p. m.,
Arthur L. Utt, organist; 3, string ensemble music
with soloists; 4, string ensemble music with soloists;
6, organ recital, Arthur L. Utt; 7, Little ymphony,
David Bittner, conductor; "Buster Brown"; soloist;
8, Little symphony; Tom Pickard, Scotch songs; 9,
Little symphony; Luciano Coriosi, Italian guitarist
and tenor; Isaac Walton League; 10, Little symphony;
"Mr. and Mrs. Kent"; soloists.
KOIL, Council Bluffs, Iowa (278m-1080kc), 6:30 p. m.,
dinner program, Ron's collegians; 7:30, program; "The
Candy Man"; 9, Ray Winn and his orchestra; 10,
WOS, Jefferson City, Mo. (440.9m-680kc), 8 p. m.,
patriotic program, Christian college.
Mitchell and the Associated Dentists, featuring
Friendly Dentists orchestra; Dan Gridley, tenor;
Esther White, blues singer; 8-9, Bill Hatch and his
Oakmont Country club orchestra; Sol Hoopii's Hawai-
ians; 9-10, program, Star Motor Car company; Million
Dollar Four orchestra; Tom Breneman, baritone; Ash-
ley Sisters, vocal duets; 10-11 p. m., Warner Brothers
frolic, direction Charlie Wellman.
KGO, Oakland, Calif. (361.2m-830kc), 7:15-7:30 a. m.,
health training exercises, Hugh Barrett Dobbs; 7:45,
Pep class; 8:15-8:30, exercises; 11:30-1 p. m., Sher-
man Clay and company luncheon concert; 3-4, Wilda
Wilson Church; Genevieve Sweetser, soprano; Eliza-
beth Thomas, mezzo-soprano; 5:30-6, Aunt Betty
stories, Kiddies' Klub, Ruth Thompson; 6-6:55, Bro-
kaw and his orchestra; 8, educational program, music,
Arion trio.
KGW, Portland, Ore. (491.5m-610kc), 7:15 a. m., health
exercises; 12:30-1:30 p. m., concert; 6-7, dinner con-
cert; 8-9, concert; 9-10, concert.
KMTR, Hollywood, Calif. (238m-1260kc), 7:15 p. m.,
Y. M. C. A. hour; 8-10, KMTR concert orchestra,
Thursday.
S. Wir; 9,
Wgbu, W
Wmbb, Wsai
Wbz, Wip;
Wgy, Whn;
10, Kths, W
Wgbu, Whn,
Wqj; 10:30,
Webh, Wgbu
11:45, Wdaf
Khj, Knx, K
Friday.
Wwj; 9,
Weei, Wgb
Wmbb; 9:15,
Weau, Whn;
Kpo, Kths,
Whn, Wgr,
Wcco; 10:30,
11, Kfwb, K

CELEBRATE WASHINGTON'S BIRTHDAY WITH SPECIAL RADIO PROGRAMS

POPULAR CONCERTS INDEX

Saturday, February 20

Eastern 7:30 p. m. — Central 6:30 p. m. — Mountain 5:30 p. m. — Pacific 4:30 p. m.
WFAA.
8 — 7 — 6 — 5
WAMD, WLS.
9 — 8 — 7 — 6
WBBM, WEAF, WENR, WGBS, WLS, WMAQ, WNYC.
10 — 9 — 8 — 7
KFAB, KPRC, WBBM, WEBH, WENR, WGN, WLS, WMBB, WREO.
11 — 10 — 9 — 8
KFVE, KFWB, KNX, KTHS, WBBM, WMBB, WOK, WQJ, WRC.
12 — 11 — 10 — 9
KNX, KOIL, KPO, KPRC, WBBM, WEBH, WLS, WOAW, WOK, WQJ.
1 a. m. — 12 m. — 11 — 10
KFWB, WDAF, WBBM, WEBH, WENR, WOK, WQJ, WSAI.
2 — 1 a. m. — 12 m. — 11
KNX, WBBM, WEBH, WENR, WQJ.

Sunday, February 21

Eastern 9 p. m. — Central 8 p. m. — Mountain 7 p. m. — Pacific 6 p. m.
WBBM.
10 — 9 — 8 — 7
WBBM, WMBB.
11 — 10 — 9 — 8
WMBB.
12 — 11 — 10 — 9
KNX, KTHS.
1 a. m. — 12 m. — 11 p. m. — 10
KFWB, WBBM.
2 — 1 a. m. — 12 m. — 11
KFWB.

Monday, February 22

Eastern 7 p. m. — Central 6 p. m. — Mountain 5 p. m. — Pacific 4 p. m.
WBBM, WFAA, WOAW.
8 — 7 — 6 — 5
WGBS.
9 — 8 — 7 — 6
WCAU, WEAF, WOR, WKRC, WOK.
10 — 9 — 8 — 7
KFAB, WEBH, WGR, WKRC, WMCA, WOAW, WOK, WSOE.
11 — 10 — 9 — 8
KFAB, KFVE, WOK.
12 m. — 11 — 10 — 9
KLX, KNX, KOIL, WAMD, WEBH, WHO, WOK.
1 a. m. — 12 m. — 11 — 10
KFWB, KLX, WAHG, WDAF, WHT, WKRC, WOK.
2 a. m. — 1 a. m. — 12 m. — 11
KFWB.

Tuesday, February 23

Eastern 7 p. m. — Central 6 p. m. — Mountain 5 p. m. — Pacific 4 p. m.
WMCA, WOAW.
8 — 7 — 6 — 5
WBBM, WEAR.
9 — 8 — 7 — 6
WBBM, WEAR, WBZ, WSB.
10 p. m. — 9 p. m. — 8 p. m. — 7 p. m.
WBBM, WEBH, WMMB, WOAW.
11 — 10 — 9 — 8
KFVE, KFWB, KNX, WBBM, WHT, WMBB, WOK, WQJ.
12 m. — 11 — 10 — 9
KNX, KOIL, KPO, WAMD, WBBM, WEBH, WEBH, WKRC, WMC, WOK, WQJ.
1 a. m. — 12 m. — 11 — 10
KFWB, KNX, WFAA, WHT, WOAW, WOK, WQJ.
2 — 1 — 12 m. — 11
KFWB, WQJ.

Wednesday, February 24

Eastern 8 p. m. — Central 7 p. m. — Mountain 6 p. m. — Pacific 5 p. m.
KFNF, WAHG, WEBJ, WEEI, WMCA.
9 — 8 — 7 — 6
WBBM, WEBJ, WGCP, WNYC.
10 — 9 — 8 — 7
KFAB, KPRC, WBBM, WEBH, WGCP, WHO, WMBB.
11 — 10 — 9 — 8
KFAB, KFVE, KOW, KPO, KWSC, KYW, WBBM, WHN, WMBB, WOK, WQJ.
12 m. — 11 — 10 — 9
KFWA, KFWB, KNX, KYW, WAMD, WEBH, WOK, WQJ, WSAI.
1 a. m. — 12 m. — 11 — 10
KNX, KYW, WBBM, WHT, WOK, WQJ.
2 — 1 a. m. — 12 m. — 11
KFWB, KNX, WBBM, WOK, WQJ.

Thursday, February 25

Eastern 8 p. m. — Central 7 p. m. — Mountain 6 p. m. — Pacific 5 p. m.
WCAE, WEAF, WJAR, WMC, WOC, WSAI.
9 — 8 — 7 — 6
WBBM, WHAD.
10 — 9 — 8 — 7
KMA, WBBM, WEBH, WEEI, WHAD, WHN, WMBB, WMC, WNYC, WOAW, WSOE.
11 — 10 — 9 — 8
KHJ, KMA, KYW, WBBM, WMBB, WOK, WQJ.
12 m. — 11 — 10 — 9
KHJ, KTAB, KOIL, WBBM, WDAF, WEBH, WFAA, WKRC, WOC, WOK, WQJ.
1 a. m. — 12 m. — 11 — 10
KFWB, KHJ, WHT, WOK, WQJ.
2 — 1 a. m. — 12 m. — 11
KNX, WQJ.

Friday, February 26

Eastern 8 p. m. — Central 7 p. m. — Mountain 6 p. m. — Pacific 5 p. m.
WGCP, WJR.
9 — 8 — 7 — 6
WAMD, WBBM, WOR, WLS.
10 — 9 — 8 — 7
KFAB, WBBM, WEBH, WMC, WDAF, WHAD, WMBB, WOAW, WSOE.
11 — 10 — 9 — 8
KFVE, KFWA, KHJ, KLX, KYW, WMBB, WOK, WQJ.
12 m. — 11 — 10 — 9
KFWB, KHJ, KNX, KOIL, WAMD, WEBH, WMC, WOK, WQJ.
1 a. m. — 12 m. — 11 — 10
KFWB, KHJ, WDAF, WHT, WOK, WQJ.
2 — 1 a. m. — 12 m. — 11
KNX, WQJ.

Mrs. Eva Thompson Jones, above, is the attractive contralto who sings regularly at WSM, Nashville. In the center are two young artists caught in the act of broadcasting from KMA, Shenandoah. The violinist is Louise Moyle and the pianist, Leona Geget.

The famous Trianon orchestra which broadcasts every evening and Sunday afternoon from WMBB, Chicago, is directed by Dell Lampe, above. Mr. Lampe played for sometime with Vincent Lopez. He has made his orchestra one of the most widely known and popular organizations on the air.

Monday, February 22

WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., Porter E. Potts' Hotel Van Curler orchestra; 7:45, Washington's birthday program, WGY orchestra.
WHAR, Atlantic City, N. J. (275m-1090kc), 2 p. m., Seaside hotel trio; 7:30, talk; 8, Seaside hotel trio, 11:30, orchestra.
WHAZ, Troy, N. Y. (379.5m-790kc), 9 p. m., Rensselaer Polytechnic Institute, glee club, Fritz Beiermeister, conductor; 9.15, patriotic pageant; 10.15, Rensselaer Polytechnic Institute students' symphony orchestra, A. Olin Niles, conductor; 11:15, campus serenaders, students' dance orchestra.
WHN, New York City, N. Y. (361.2m-830kc), 6 p. m., Littmann's dinner music; 7, Twin Oaks orchestra; 7:30, Joe Ward's Swanee entertainers; 8:05, Roseland dance orchestra; 8:35, Uncle Robert's chat; 8:10, Perry and Russell—the one-man-act; 11, Cotton club orchestra; 11:30, Silver Slipper orchestra; 12-12:30 a. m., Parody club orchestra.
WIP, Philadelphia, Pa. (508.2m-590kc), 6:45 a. m., setting-up exercises; 7, setting-up exercises; 10:30, annual Washington birthday celebration of University of Pennsylvania, Hon. Frank Kellogg, U. S. Secretary of State, principal speaker; 1 p. m., Gimbel tea room orchestra; 3, Leodor Liedmedl, violinist, James M. Clawson, baritone, Flora Ripka, accompanist; 6:05, Benjamin Franklin hotel concert orchestra; 7, Uncle Wip's bedtime stories; dancing lessons by Miller Conservatory of Dancing.
WJAX, Jacksonville, Fla. (336.9m-890kc), 3:30 p. m., Hemming Park band concert, Vessella's band, Oreste Vessella, conductor; 7:30, music memory contest; 8-9, popular program, orchestra, vocal, etc; 9-10, classical program, vocal and instrumental.
WKAR, Lansing, Mich. (285.5m-1050kc), 7-7.15 p. m., bedtime stories; 7:15-8, farm school; 8-9, dance program.
WLIT, Philadelphia, Pa. (394.5m-760kc), 12:02 p. m., daily almanac; Stanley theater organ recital; Arcadia cafe concert orchestra; 2, Arcadia cafe concert orchestra; talk, Rev. Arthur W. Spooner; 1.30, Alice Wightman, pianist; 5, educational talk; 7:30, Dream Daddy; 8, Short Agro Waves, Charles E. Shollner, 8.15, recital; 9, Stanley hour of Music; 10, Arcadia cafe dance orchestra; 10:30, Fay's vaudeville features; 10:45, El Patio dance orchestra.
WLWL, New York, N. Y. (288.3m-1040kc), 10-10 p. m., study club.
WMAK, Buffalo, N. Y. (266m-1130kc), 7:30-8:30 p. m., Murray Whiteman and his serenaders; 8:30-9, musical program, New Olympic theater; 9-10, musical program, Gowanda high school.
WMBF, Miami Beach, Fla. (384.4m-780kc), 7-9 p. m., Fleetwood Radio orchestra; 10-1 a. m., Gene Fosdick and his orchestra; Fleetwood Radio orchestra.
WMCA, New York City, N. Y. (340.7m-880kc), 11 a. m., Ida Bailey Allen, home-makers' hour; 12:30 p. m., Lucille Buhl, "Making a New Face"; 6, Olcott Vail and his Hotel McAlpin string ensemble; 6:30, Ernie Golden and his Hotel McAlpin orchestra; 7:30, Kurts Karnival Kings; 8, Terminal musical hour; 9, lecture on Christian Science by Mr. Paul Stark Seeley, C. S. B. of Portland, Ore.; 10:15, Woodmansten Inn orchestra; 11:30, Jack Denny's orchestra.
WNYC, New York, N. Y. (526m-570kc), 7:35 p. m., Chopin anniversary, program by the Polish clubs of New York; 8:30, George Washington's address; 8:35, Washington program by the American Legion; 9, dinner, Police Lieutenant's Benevolent association direct from the Waldorf-Astoria hotel.
WOO, Philadelphia, Pa. (508.2m-590kc), 11 a. m., organ recital; 12:02 p. m., Golden's Crystal tea room orchestra; 4:45, organ recital; 7:30, Ritz Carlton orchestra; 8, Pop concert; 9, A and P Gypsies; 10, grand opera, WEAF Grand Opera company; 11, Sylvania dance orchestra.
WOR, Newark, N. J. (405.2m-740kc), 6:15 p. m., Bill Wathey of the Telegram staff in sports; 6:30, Jacques Jacobs' Hotel Shelton ensemble; 7.30, Sketch from "The By the Way" cast; 8.30, Al Reid of the Branford theater, Newark, N. J.; 9:30, program, direction of the Orange Chamber of Commerce; 10, Josephine Evans quartet; 10.30, Josephine Evans quartet; 11, Hofbrau Haus orchestra.
WPG, Atlantic City, N. J. (299.8m-1000kc), 1:30 p. m., tea time music; 7, Hotel Morton dinner music; 8, children's hour; 8.45, Colonial program; 9, Hotel Ambassador concert orchestra; 10, WPG, ladies' trio; 10:15, Galen Hall trio, 11, Silver Slipper supper club.
WRVA, Richmond, Va. (256m-1170kc), 8:10 p. m., State Teachers' college glee club, patriotic program; 9, "True Virginia Lore," Dr. Douglas Freeman, 9:10, glee club; 9:30, Fork Union college jazz band and quartet, college songs; 11, "Carry Me Back to Old Virginny."
WTAG, Worcester, Mass. (268m-1120kc), 10:30 a. m., musical selections; 12:05-2 p. m., noon day luncheon music, WTAG orchestra, Will Hardy, director, 7:15, Twilight Scouts; 7:15, Scout announcements; 9-10, Robin Hood hour of music, Arthur Crodile, director; 10-11, grand opera, WEAF, Cesare Sodero, director.
WTAM, Cleveland, Ohio (389.4m-760kc), 6-7 p. m., Guy Lombardo and his Royal Canadians, 8-11, Patrick Henry high school band, St. Ann's boys' choir; 11-12, Austin Wylie's Vocalion Recording orchestra; 12-1 a. m., Royal Canadians.
WTIC, Hartford, Conn. (475.9m-630kc), 11.25 a. m., Beatrice Tolgan, violinist, 12.05 p. m., Travelers club orchestra, 6:30, Mother Goose, 6.50, Hub trio, 9, Lucas and Latham serenaders, 9:30, Emil Heimberger's Hotel Bond orchestra; 10:30-12, Travelers symphonic ensemble, Lota Hickey, contralto.
WWJ, Detroit, Mich. (352.7m-850kc), 7:30-8 a. m., setting up exercises, 9:30, "Tonight's dinner", 12:05 p. m., Jules Klein's Hotel Statler orchestra; 3, Detroit News orchestra; 6, dinner concert; 8:30, Detroit symphony orchestra.

Central Time Stations

CKY, Winnipeg, Can. (384.4m-780kc), 8 p. m., University lecture; 9, studio program; 11, weekly revue, Metropolitan theater.
KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., R. S. Johnson, Charles Koontz, 8:30-10:30, old-time music, O. R. Sheffert; Ed Ellingson, original song-bird; Mike Kenne, king of the ivories; Cow Bell boys, Belshaw's orchestra.
KFEQ, Oak, Nebr. (207.7m-1120kc), 2-3 p. m., Rassmussen's orchestra, 8:30-10, Rassmussen's orchestra.
KFKU, Lawrence, Kan. (275m-1040kc), 7:35 p. m., University string quartet, Anna Lois Voights, soprano.
KFKX, Hastings, Nebr. (288.3m-1040kc), 12:30 p. m., Dick Rutherford and the Ramblers orchestra, 5:30, dinner concert relay, KDKA; 9, varied musical program.
KFMQ, Fayetteville, Ark. (299.8m-1000kc), 8 p. m., A. W. Towne's orchestra.
KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., concert, Henry Field Seed company.
KFRU, Columbia, Mo. (499.7m-600kc), 4:30-5:30 p. m., Bella Vista Quadrangle orchestra, 6:15, dinner music.
KMA, Shenandoah, Iowa (252m-1190kc), 11:30-12:30 p. m., rural program; music; 6-7, popular dinner hour program; 9-11, Farnham trio, How do you do Boys, Grady and Doc.
KMMJ, Clay Center, Nebr. (229m-1310kc), 1:30 p. m., Old Trusty special afternoon program; 8.30, Old Trusty orchestra.
KMOX, St. Louis, Mo. (280.2m-1070kc), 12.50 p. m., Arthur L. Utt, organist, 3, string ensemble music with soloists, 4, string ensemble music with soloists, 6, organ recital, Arthur L. Utt; 7, Little symphony, David Rittner, conductor, "Buster Brown"; soloist, 8, Little symphony; Tom Pickard, Scotch songs; 9, Little symphony; Luciano Cortesi, Italian guitarist and tenor; Isaac Walton League; 10, Little symphony; "Mr. and Mrs. Kent"; soloists.
KOIL, Council Bluffs, Iowa (278m-1080kc), 6-7 p. m., dinner program, Ron's collegians, 7:30 program "The Candy Men"; 9, Ray Winn and his orchestra; 10, Virginia Mulholland, harpist; Frances Mulholland, violinist; 11, Original melody makers; Hotsy-totsy hour.
KPRC, Houston, Tex. (296.9m-1010kc), 12 noon, Frank Tilton, boy pianist; 5:30 p. m., Uncle Judd's kiddies' hour, 7:30, Record's Ramblers dance orchestra; 8:30, Paramount Five, male quartet.
KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., Hertzell Lyon, baritone; 7:30, Ida Quernheim, soprano; 9, Y. M. H. A. orchestra.
KSO, Clarinda, Iowa (242m-1240kc), 7-7:30 p. m., music, 7:30-9, McDonald entertainers.
KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9-9:15 p. m., opera contrasts, symphonic jazz, Meyer Davis' New Arlington hotel artists, 9:45-10, novelty program, old organ tunes, Lawson Reid; 10-11, Rainbow frolic, Brick English and his orchestra.
KWWG, Brownsville, Texas (278m-1080kc), 12 noon, music; Spud and Me; 8 p. m., music; Spud and Me; 8:30, classical program; Phil McNair, tenor, Erline Murray; Beth Sewell; Mrs. Roland Southerland, John McClenny, violinist.
WADC, Akron, Ohio (265.5m-1160kc), 11 a. m., organ recital; 6:30, Hotel Portage quintet; 1 a. m., early morning frolic.
WAMD, Minneapolis, Minn. (244m-1230kc), 12:01 p. m., popular musical program; Collin Dure, contralto; Bee Lowell, accompanist, Roy Nowak, banjoist; Jack Lemman, clarinetist, Whity Nightingale, uke soloist; 5:45, Boys' A. C.; 7.01, Garrick symphony orchestra, Helseke, director; 7.20, classical program; 11, Sky Rocket frolic.
WBAP, Fort Worth, Tex. (475.9m-630kc), 12.05-12:30 p. m., Sunflower girl; 6-6.30, Texas Hotel Royals; 7.30-8:30, Northern Texas Traction company; 9.30-11, Ward's Trail Blazers; 11-12, Majestic theater.
WCAL, Northfield, Minn. (336.9m-890kc), 8:30 p. m., musical program.
WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 12 noon, concert, Donaldson's orchestra; 2:30 p. m., afternoon concert; 4, readers' club; 5:30, children's hour; 6:30, dinner concert, Gordon Cooke ensemble; Meta Ashwin Birnbach, soprano, Louise Lupien Jenkins, accompanist; 8, University of Minnesota program, 9, classical concert.
WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., the Tell Me a Story lady; the Trianon ensemble; 8-9:30, program, Ivanhoe band, Walter A. French, director, 11:45-1, Ted Weem's Recording orchestra.
WDOD, Chattanooga, Tenn. (256m-1170kc), 6:30-7 p. m., organ music, Tivoli theater, 7-8, Hotel Patten orchestra, 8:15, special features and program.
WGST, Atlanta, Ga. (270m-1110kc), 9-10 p. m., Georgia Tech Glee club orchestra; Yellow Jacket Four quartet.
WHAS, Louisville, Ky. (399.8m-750kc), 1-2 p. m., Royal Peacock orchestra; 3-3:30, Mrs. Myrtle Fulks Zahn, Jr., organist; 4:45, Music Box concert.
WHB, Kansas City, Mo. (365.6m-820kc), 2-3 p. m., ladies' hour program, Sweeney string trio; 7-8, popular music, Sweeney orchestra, Glen Durrell, director; popular songs and piano numbers.
WHO, Des Moines, Iowa (526m-570kc), 7.30-9 p. m., Simpson Conservatory of Music, Herbert A. Harvey; 11-12, L. Carlos Meier, organist.
WJAD, Waco, Texas (352.7m-850kc), 8:30-10 p. m., novelty program, Clara Doyle.
WKAF, Milwaukee, Wis. (261m-1150kc), 10-11 p. m., Orpheus quartet, Oliver Munz, flute soloist.
WKRC, Cincinnati, Ohio (422.3m-710kc), 6 p. m., Alvin Roehr and his Hotel Alms orchestra; 8, Eugene Perazzo; 9, American Legion, 12, frolic.
WLW, Cincinnati, Ohio (422.3m-710kc), 8 a. m., morning devotions, auspices Parkway Y. M. C. A., 12:05 p. m., religious services, Rev. George H. Kase; 4, student recital, pupils class of Leo St. Friegen; 7, dinner concert, Hotel Gibson orchestra directed by Robert Visconti; 7:30, theatrical feature; 8, concert, Cincinnati Times Star orchestra, William J. Kopp, director; Howard Hafford, tenor, Ewald Haun, flutist.
WMAZ, Macon, Ga. (261m-1150kc), 10-11 p. m., orchestra music, Georgia Sirens.
WMC, Memphis, Tenn. (499.7m-600kc), 8:45, Cortese ensemble.
WNAD, Norman, Okla. (254m-1180kc), 7-8:30 p. m., Helen Rattey, violinist; Ruth Ann Mitchell, pianist; Tessie Rudell, vocalist; Bessie Wampler, pianist; Ann Lee Hamilton, vocalist; Margaret Lee West, cellist; 10:30, Delta Pi serenaders.
WOAN, Lawrenceburg, Tenn. (282.8m-1060kc), 9-10 p. m., male quartet, orchestra; 11:30-1.30 a. m., special program.
WOAW, Omaha, Neb. (526m-570kc), 12:45 p. m., Randall's Royal Fontenelle orchestra; 6, entertainment; 6:20, popular songs; 6:30, Randall's Royal Fontenelle orchestra; [illegible]
WOS, Jefferson City, Mo. (440.9m-680kc), 8 p. m., patriotic program, Christian college.
WSAI, Cincinnati, Ohio (325.9m-920kc), 8 p. m., A. and P. Gypsies, WEAF; 9, grand opera, WEAF; Cesare Sodero, director; 10, community program, featuring Jeanette Vreeland, soprano; 12 midnight, Freda Sanker's orchestra.
WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., Agnes Scott Glee club; 10:45, Vick Myers' orchestra.
WSM, Nashville, Tenn. (282.8m-1060kc), 6:30 p. m., Francis Craig's orchestra; 7, bedtime story; 8, Cumberland Chapter, D. A. R.; 10, Vito Pellettieri and his orchestra.
WSMB, New Orleans, La. (319m-940kc), 9:30-11:30 p. m., Dixola novelty orchestra, St. Charles theater orchestra, Strand theater orchestra, Fuzzy Wuzzy Twins.
WSOE, Milwaukee, Wis. (246m-1220kc), 5:30 p. m., twilight hour; Aunt Happy children's stories, Fred Snyder, pianist; "Candygram" entertainers; 9, "Candygram" candies frolic, featuring, Frank Kuhl's Edgewater Beach orchestra; Erving Erving, "Candygram" baritone; Van Buren's Hawaiians; Lorraine Hug, pianist; Venturi Callahan, harmonica.
WSUI, Iowa City, Iowa (483.6m-620kc), 12:30 p. m., piano solos, Esther Swisher; 7:30, College of the Air, 8:30, musical program.

Mountain Time Stations

KFXF, Colorado Springs, Colo. (250m-1200kc), 8:30-10:30 p. m., Colorado Springs Chamber of Commerce.
KOA, Denver, Colo. (322.4m-930kc), 12:45 p. m., Marjorie Nash, organist; 6:30, Brown Palace string orchestra; 8:30, Stoneman's Colorado orchestra; 8:45, KOA orchestra; 9:30, Washington's Birthday, Daughters of American Revolution; "Recollections of George Washington," Mrs. E. Thomas Boyd Regent; original Revolutionary document, Mrs. James Rae Arnell, letter, Mrs. Winfield Scott Tarbell; KOA orchestra, Everett E. Foster, baritone; Lucile B. Mathis, contralto; Mrs. Frank B. Martin, soprano; addresses, Judge Henry J. Hersey and Mrs. Gerald Livingston Schuyler.

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 5:30-6 p. m., Owen Fallon's Californians; 6, nightly doings; 6:15, Seeing California; 6:30, vest pocket program; 6:45, Radiotorial period; 7-8, Chinese Gardens dance orchestra; 8-9, Screen artists' string quartet; 9-10, program, Walter M. Murphy Motors company, broadcast simultaneously by KFI and KPO; 10-11, program, Meiklejohn Brothers, booking agency.
KFOA, Seattle, Wash. (454.3m-660kc), 7-8:15 p. m., Sherman Clay and company, 8:15-8:30, industrial news, 8:30-10, Times studio program.
KFON, Long Beach, Calif. (232.4m-1290kc), 6-6:30 p. m., Brayton's theater organ, 8:30-7, amusement bulletin; 7-8, Gerry Galbraith's Venetians, 8-9, Press-Telegram program; 9-11, Lake club orchestra.
KFWB, Hollywood, Calif. (252m-1190kc), 5-6 p. m., Big Brother of KFWB; 7:30, program, Dr. Ralph Mitchell and the Associated Dentists, featuring Friendly Dentists orchestra; Dan Gridley, tenor, Esther White blues singer, 8-9, Bill Hatch and his Oakmont Country club orchestra, Sol Hoopii's Hawaiians; 9-10, program Star Motor Car company, Miblen Dollar Four orchestra; T. R. Breneman, baritone; Ashley Sisters; [illegible] 10-11 p. m., Warner Brothers frolic, direction Charlie Wellman.
KGO, Oakland, Calif. (361.2m-830kc), 7:15-7:30 a. m., health training exercises, Hugh Barrett Dobbs; 7:45, Pep class; 8:15, exercises; 11:30 a. m., Sherman Clay and company luncheon concert; 3-4, Wilson Church; Genevieve Sweeter, soprano, Elizabeth [illegible] soprano; [illegible] Aunt Betty stories, Kiddie Kapers; Ruth Thompson, 6:55, Benham and her orchestra; 8, educational program, music, [illegible]
KGW, Portland, Ore. (491.5m-610kc), 7:15 a. m., health exercises; 12:30 [illegible] 6-7, dinner concert; 8-9 [illegible]
KMTR, Hollywood, Calif. (238m-1260kc), 7:15 p. m., Y. M. C. A. hour; 8-10, KMTR concert orchestra.

Loren Powell, director; 10-11, Starr Piano company studio.
KNX, Hollywood, Calif. (336.9m-890kc), 5-5:30 p. m., Sunny Jim's talk; 5:30-6, Leighton's Arcade cafeteria orchestra; 6, Town Tattler; 6.15, travel talk, W. F. Alder; 6:30-7, Atwater Kent concert orchestra; 7-7:30, Mutual Motors Mirth contest; 7.30-8, feature program; 8-9, program, L. W. Stockwell company; 9-10, Glassmobile Minstrels; 10-11, Goodrich Silvertown Cord dance orchestra; Lilyan May Challenger, contra-contralto; 11-12 midnight, Ray West's Ambassador hotel dance orchestra.
KOAC, Corvallis, Ore. (280.2m-1070kc), 6:30 p. m., musical selections; farm topics.
KPO, San Francisco, Calif. (428.3m-700kc), 7, 7.30, 8 a. m., daily dozen; 12 noon, scripture reading; 1-2 p. m., Rudy Seiger's Fairmont hotel orchestra; 2:30-3:30, patriotic program; 5.15-6:15, children's hour stories; 6:10-7, Waldemar Lind and the States restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel orchestra; 8-9, organ recital, Uda Waldrop; 9-10, program, for Walter M. Murphy Motor company; 10-11, Jack Coakley's Cabirians.
KTAB, Oakland, Calif. (240m-1250kc), 9-9:30 a. m., prayer service, Rev. E. L. Spaulding; 12-1, concert; 8-10, program, Western States Life Insurance company.
KWSC, Pullman, Wash. (348.6m-880kc), 7:30-9 p. m., special program, Dengal's Bohemians, dance orchestra; Freda Peterson, vocalist; Margaret Baker, pianist.

DANCING

Central Time

Saturday, February 20: 8, Wjr, Wors, Wsp; 8.30, Wfaa; 8.45, Wsb; 9, Webh, Weel, Webb, Wmyc, Wreo, 9.15, Kths; Wip; 9:30, Kths, Wsb; Wor, Wrr; 10, Kfve, Kfwa, Koa, Kpo, Wsai; Wgn, Wjr, Wkrc, Wmca, Wnyc, Wor, Wqj, Wreo; Wtam; 10.05, Wrec; 10.30, Wamd; 10.45, Wls; 11, Kfog, Kfwa, Kfwb, Kpo, Webh, Wlas, Wgbu, Who, Wqj, 11.30, Kfoa; 11.45, Wqj; 12, Kfwa, Kgo, Kgw, Knx, Wgbu, Wjjd.

Monday, February 22: 8, Wgcp; 9, Webh, Wgbu, Wjar, Wor; 9.15, Wahg, 10, Kths, Wgbu, Wqrp, Wgr, Wnyc, Wrnj; 10.15, Wor; 10:30, Kfwb, Wgr, Who; 11, Knx, Kfi, Wgbu, Wgcp, Wqj, Who, Who; 11.45, Wqj; 12, Knx, Kpo.

Tuesday, February 23: 9, Webb, Webh, Webb; 9.30, Weau, Wsb, Wip; 9.35, Wrr, 10, Kfve, Whn, Wes; Webh, Wgbu, Who; Wmca, Wsbc, Wrnj, 10.15, Kths; 10.30, Knx, Wbn; 10.45, Wrh, Wrr, 11, Koil, Wgbu, Wwj, 11.30, Kfoa; 11.45, Wqj, 12, Kgw, Khj, Knx, Kx, Wdaf; 1, Wqj.

Wednesday, February 24: 8, Wrj, Wrs; Wgbu, Wgcp, Wgb, Webb, Wmca, 9.15, Wahg, 9.30, Who; Whn, Wor, 10, Kfw, Wbap, Wsa, Wfaa, Wgbu, Wqj; 10.05, Wwj; 10.30, Wtag, Wr, 11, Kofl, Kpo, Wor; Wqrn, Wer, Wttd, Wr; Wdaf; 12, Kfoa, Knx, Kpo, Wjjd.

Thursday, February 25: 8, Wjr; 9, Webb, Wor; Wgbu, Who, Wp; Webb, Wsal, Wfi; Wbr, Wip, 9.30, Wsb; Wgs, Who, 9.30, 10, Kths, Wrnj, Wgbu, Whn, Wqj, Wfsf, Wqj, 10.30, Wrr, Webb, Wrr, Wes, 11.45, Wtam, Kh, Knx, Knx, Kos.

Friday, February 26: Wor, 9, Wrs; Weel, Wgbu, Wrn, 9.15, Wmab, Wsai, Wqr, Wtam, Kpo, Kths; Wfx, Wrr, Wpc, Wdaf, 10.30, Wgbu, 11, Kfwa, Kn, Knx.

Tuesday, February 23

Headliners Today

Eastern 5 p. m. — Central 4 p. m. — Mountain 3 p. m. — Pacific 1 p. m.
KYW (535.4m-560kc), Wendell Hall, Red-Headed Music Maker.
8 — 7 — 6 — 5
KFNF (263m-1140kc), Birthday program.
WGY (379.5m-790kc), Finals of Old Fiddlers' contest.
8:30 — 7:30 — 6:30 — 5:30
WEAF (491.5m-610kc), WEEI (348.6m-860kc), WFI (394.5m-760kc), WCAE (461.3m-650kc), WGR (319m-940kc), WWJ (352.7m-850kc), WOO (508.2m-590kc), WJAR (305.9m-980kc), WCCO (416.4m-720kc), WLIB (302.8m-990kc), WEAR (389.4m-770kc), KSD (545.1m-550kc), Marianna club, popular program.
9 — 8 — 7 — 6
WEAF (491.5m-610kc), WEEI (348.6m-860kc), WFI (394.5m-760kc), WCAE (461.3m-650kc), WGR (319m-940kc), WWJ (352.7m-850kc), WOO (508.2m-590kc), WJAR (305.9m-980kc), WCCO (416.4m-720kc), WTAG (268m-1120kc), WGN (302.8m-990kc), WEAR (389.4m-770kc), WSAI (325.9m-920kc), KSD (545.1m-550kc), Eveready hour.
10 — 9 — 8 — 7
KMOX (280.2m-1070kc), Julius Bischof, "Bert Williams' Air."
10:30 — 9:30 — 8:30 — 7:30
KFNF (263m-1140kc), Pageant.
11 — 10 — 9 — 8
KYW (535.4m-560kc), Wendell Hall.
12 m. — 11 — 10 — 9
WFAA (475.9m-630kc), Harry Hassall, cellist.
12:15 a. m. — 11:15 — 10:15 — 9:15
KGO (361.2m-830kc), Harmonia quartet.
1 — 12 — 11 — 10
WOC (483.6m-620kc), Special musical program until [illegible]

Tuesday, silent night for: CFCA, CHIC, CKNC, CKY, CNRC, CNRE, CNRM, CNRO, CNRW, CNRT, KFKX.

KFKU, KFMQ, KFUO, KFWA, KYX, KOA, KOAC, KOB, KOWW, KUOM, KWSC, WABQ, WAHG, WAMD, WBBR, WCAD, WCAL, WCAP, WGCP, WGST, WHAD, WHAZ, WJAD, WJAZ, WKAF, WKAQ, WLWL, WOI, WOS, WRVA, WSUI, WTAM, WTIC.

Eastern Time Stations

CNRA, Moncton, Can. (291.1m-1030kc), 6:30 p. m., bedtime story, Aunt Ida; 7, Juvenile program, Prof. C. M. Wright; 8, studio program, Stephen McGillivray, director; Mrs. Horace Turner, soprano; Janette Lawley, contralto; Alexander McNeil, tenor, Thomas McDonald, baritone; Stephen McGillivray, violinist; Bernard McIntosh, pianist; ensemble; 10, orchestra.
KDKA, Pittsburgh, Pa. (309.1m-970kc), 12.20 p. m., Trinity Church Lenten service; 6:30, dinner concert, 8:30, sacred song half-hour; 9, KDKA Little symphony orchestra; Valeria Chamberdon, soprano; 11.35, Grand theater concert.
PWX, Havana, Cuba (400m-750kc), 8:30-9:15 p. m., "G. E." concert; 9:25-10:10, musical program; 10:20-11, "G. E." concert.
WBAL, Baltimore, Md. (246m-1220kc), 6:30-7:30 p. m., dinner program, WBAL dinner orchestra; Robert P. Iula, conductor; 7:30-8, male quartet, 8-9, musical program, Leslie Frick, contralto; George Bolek, pianist; James Wilkinson, baritone; 9-10, string trio, Philip Jeffreys, pianist.
WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:15 p. m., Hotel Pennsylvania orchestra; 7.30, recital, N. Snellenburg and company; 8-8:10, the Three Brothers; 8:25, theater digest, Abe Lipschutz; 8:35, WCAU players; 9, Robert Frazer, blind gospel singer, Elizabeth Holtz, pianist; 9.30, The Sea Gulls; 10, Ed. McCauley and his pals; 10.30, Cathay Tea Garden dance orchestra.
WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., dinner program, Goldkette ensemble; 10-2 a. m., Red Apple club.
WEAF, New York, N. Y. (491.5m-610kc), 6:45, 7, 7:20 a. m., Tower health exercises to WEAF, WEEI, WCAP; 7.45-8, morning prayer services, Greater New York Federation of Churches; 11, John Quine, baritone; 11:10, "The Play of the Hour," auspices of the Lecture Bureau of the Board of Education; 11:25, John Quine, baritone; 11:35, motion picture forecast, Adele Woodard; 11.50, John Quine, baritone; 4 p. m., Lieut. Lawrence Mansfield Matt and his Rhapsodists orchestra; 6 dinner music, Rose room of the Hotel Waldorf-Astoria; 7, Anne Gregory, mezzo-contralto, 7:30, a half-hour with American composers, John Hyatt Brewer assisted by choir of Lafayette Avenue Presbyterian church; 8, Blue Ribbon male quartet, WEAF, WEEI, WFI, KSD, WCAE, WWJ, WGR, 8.30, Gold Dust Twins, WEAF, WEEI, WFI, WCAE, WGR, WWJ, WOO, WJAR, WCCO, WLIB, WEAR, KSD; 9, Eveready hour, to WEAF, WEEI, WFI, WCAE, WGR, WWJ, WOO, WJAR, WCCO, WTAG, WGN, WEAR, WSAI, KSD; 10, Moment musicale, WEAF, WEEI, WFI, WWJ, WGR, WCAE, WTAG, KSD, WEAR; 10:30, Vincent Lopez and his orchestra from Casa Lopez, WEAF, WEEI, WFI, WWJ, WGR, WCAE, WTAG, KSD, WEAR; 11-12 midnight, Ross Gorman and his Monte Carlo orchestra, New York City.
WEAO, Columbus, Ohio (293.9m-1020kc), 7 p. m., University chimes, Allen M. Manigal, 7:25, Peter Helpen Uncle Al; 7:45, Delta Tau Deltas fraternity.
WEAR, Cleveland, Ohio (389.4m-770kc), 7 p. m., State theater vaudeville and music; 8, studio program, instrumental ensemble; 8.30, Gold Dust Twins, WEAF; 9, Eveready entertainers, WEAF; 10, Moment musicale, WEAF; 10:30, Vincent Lopez orchestra; 11, Wermack's singing syncopators.
WEBJ, New York, N. Y. (272.6m-1100kc), 7-7:30 p. m., Ritz ensemble; 7.45, Sal Angarola and Eddie Collins, banjo and uke duets; 8:30, B. R. talk, G. T. Geer, 8:15, Ruth Pachner, soprano, accompanied by Lillian Krell; 8:30, Ballanna les [illegible] orchestra.
WEEI, Boston, Mass. (348.6m-860kc), 6:45 a. m., health exercises; 2:45 p. m., Scotch songs, Nell Patterson; 3, Eugene's Singing Orchestra; [illegible] Joe Herlihy's Collegians; 6:05, George Joy and Nell Carter, popular songs; 6.45, Big Brother club; 7, [illegible] Roger Gomberg, violinist, Mr. Joseph Rayman, violinist; 8, Blue Ribbon quartet, WEAF; 8.30, Gold Dust Twins, WEAF; 9, Eveready hour, WEAF; 10, Moment musical; 10:30, Vincent Lopez and his orchestra.
WFI, Philadelphia, Pa. (394.5m-760kc), 1 p. m., tea room ensemble; 3, Women's Symphony orchestra of Phila., J. W. F. Leman, director, Helen Rowley, president, and Mabel Swint Ewer, founder; piano soloists; [illegible] Bellevue Stratford concert orchestra; [illegible] Bellevue Stratford dance orchestra; 8:30, Gold Dust [illegible]

FARMERS' PROGRAMS INDEX

Farmer Dinner Concerts

Daily Except Sunday

CENTRAL TIME
KFNF, 12.15-1.35 p. m.
KMA, 12:30-1:30 p. m.
KSO, 12:30-1:30 p. m.
WLS, 12 noon.

Saturday, February 20

Eastern 1:45 p. m. — Central 12:45 p. m. — Mountain 11:45 a. m. — Pacific 10:45 a. m.
WOI (270m-1110kc) Soils, questions and answers.
8 — 7 — 6 — 5
KDKA (309.1m-970kc) Farm program.

Sunday, February 21

Eastern 3:30 p. m. — Central 2:30 p. m. — Mountain 1:30 p. m. — Pacific 12:30 p. m.
WFAA (475.9m-630kc) Sunday hour for farmers.

Monday, February 22

Eastern 1:15 p. m. — Central 12:15 p. m. — Mountain 11:15 a. m. — Pacific 10:15 a. m.
WEAO (293.9m-1020kc) Timely Economic Information for the Farmer, C. J. West.
WOC (483.6m-620kc) "Sunshine, the Elixir of Porcine Life."
1:35 — 12:35 — 11:35 — 10:35
KSAC (340.7m-880kc) "Seedbeds for Alfalfa and Sweet Clover," H. Summer; "Pruning Brambles," L. Williams.
1:45 — 12:45 — 11:45 — 10:45
WOI (270m-1110kc) Dairy Production.
WMAQ (447.5m-670kc) Radio farm school.
1:50 — 12:50 — 11:50 — 10:50
KFKX (288.3m-1040kc) "Sunshine, the Elixir of Porcine Life," Prof. John Evvard.
7 — 6 — 5 — 4
WGY (379.5m-790kc) Agricultural program.
7:45 — 6:45 — 5:45 — 4:45
WSOE (246m-1220kc) Hog Raising.
8 — 7 — 6 — 5
KSO (242m-1240kc) Farm talk.
8:15 — 7:15 — 6:15 — 5:15
KSAC (340.7m-880kc) "Feeding Western Lambs," H. Reed; "What Do Chicks That Have Just Discovered America Expect?" R. Steup.
8:30 — 7:30 — 6:30 — 5:30
KFMQ (299.8m-1000kc) "Care of Cows on Pasture," W. Woodley; "George Washington, the Farmer," J. Barnett; "Martha Washington, the Farmer's Wife," G. Conant; "Some Things George Washington Did Not Know About the Cherry Tree," C. Woolsey; "How Calhoun County Was Able to Take So Many Farmers to Scott," H. Dasher.
WMC (499.7m-600kc) Talk.
8:45 — 7:45 — 6:45 — 5:45
WCCO (416.4m-720kc) farm vegetable gardening, "Garden Pests," J. G. Leach.
9:05 — 8:05 — 7:05 — 6:05
KFAB (340.7m-880kc) "The Value of a Good Seed Bed and Seeding Practices in Obtaining Stands of Small Seeded Grasses and Legumes," E. D. Kelm; "Dressing Up the Front Yard," C. Wiggans.
9:30 — 8:30 — 7:30 — 6:30
KOB (348.6m-860kc) "Improving the Home Grounds," J. Rigney; "Concrete on the Farm," Harvey Garot.
10 — 9 — 8 — 7
KOAC (280.2m-1070kc) Agricultural question box. "Experimental Results in Growing Cattle," E. Potter.
10:30 — 9:30 — 8:30 — 7:30
KOAC (280.2m-1070kc) "Alfalfa Culture in Eastern Oregon," E. Jackman.
10:45 — 9:45 — 8:45 — 7:45
KOAC (280.2m-1070kc) "Dormant and Delayed Dormant Spraying of Orchards," Don C. Mote.
11 — 10 — 9 — 8
KOAC (280.2m-1070kc) "Use of Commercial Fertilizers for Oregon Soil Types," C. Ruzek.
12:15 a. m. — 11:15 — 10:15 — 9:15
KWSC (348.6m-860kc) "Pastures and Their Care," Leonard Hegnauer; "History of Farm Bureau Development in the U. S." Carl Lane.

Tuesday, February 23

Eastern 11:30 a. m. — Central 10:30 a. m. — Mountain 9:30 a. m. — Pacific 8:30 a. m.
KFAB (340.7m-880kc) "Feeding the Chicks," F. Mussehl.
1:15 p. m. — 12:15 p. m. — 11:15 — 10:15
WOC (483.6m-620kc) "Marketing Eggs."
1:35 — 12:35 — 11:35 — 10:35
KSAC (340.7m-880kc) "Early Care of Lambs," C. Elling; "Typing Grape Vines," W. Martin.
1:45 — 12:45 — 11:45 — 10:45
WMAQ (447.5m-670kc) Radio farm school.
1:50 — 12:50 — 11:50 — 10:50
KFKX (288.3m-1040kc) "The Chick Brooder," A. Phillips.
7:10 — 6:10 — 5:10 p. m. — 4:10 p. m.
WEAO (293.9m-1020kc) "Baby Chick Troubles and Their Control," E. D. Fan.
7:15 — 6:15 — 5:15 — 4:15
WKAR (285.5m-1050kc) "Veterinary Practice with Small Animals," E. Bales.
7:30 — 6:30 — 5:30 — 4:30
WEAO (293.9m-1020kc) "Vegetable Spice in Variety," L. Montgomery.
WKAR (285.5m-1050kc) "Problems of an Incubator Operator," J. Hannah.
WKAR (285.5m-1050kc) "Types and Breeds of Sheep," G. A. Brown.
8 — 7 — 6 — 5
KFRU (499.7m-600kc) "Care of Brood Sows and Pigs," L. Weaver.
KSAC (340.7m-880kc) "Feeding Dairy Calves and Heifers," R. Lush, "Beautiful Home Grounds Plus Vegetable Gardens," Albert Dickens.
KSO (242m-1240kc) Farm talk.

Wednesday, February 24

Eastern 1:15 p. m. — Central 12:15 p. m. — Mountain 11.15 a. m. — Pacific 10.15 a. m.
WOC (483.6m-620kc) The A B C's of Dairying.
1:35 — 12:35 — 11:35 — 10:35
KSAC (340.7m-880kc) "Sweet Clover Seeding," L. Willoughby, "Care and Feed for the Calf," R. Kiser.
1:45 — 12:45 — 11:45 — 10:45
WMAQ (447.5m-670kc) Radio farm school.
WOI (270m-1110kc) Poultry husbandry.
1:50 — 12:50 — 11:50 — 10:50
KFKX (288.3m-1040kc) "A B C's of Dairying," I. Long.
7:15 — 6:15 — 5:15 p. m. — 4:15 p. m.
WKAR (285.5m-1050kc) "The Home Fruit Garden," V. Gardner; "Pruning Mature Fruit Trees," R. Marshall.
9 — 8 — 7 — 6
WOS (440.9m-680kc) "Hogs and Community," W. Bedford.
9:05 — 8:05 — 7:05 — 6:05
KFAB (340.7m-880kc) "Control of Some Insect Pests of the Season," M. Swenk, "Dairy Sire Furnishes the Real Answer," E. Hansen.
10:45 — 9:45 — 8:45 — 7:45
KWSC (348.6m-860kc) "Beet a Valuable Feed Crop," E. Shafer.

Thursday, February 25

Eastern 1:15 p. m. — Central 12:15 p. m. — Mountain 11:15 a. m. — Pacific 10:15 a. m.
WOC (483.6m-620kc) "Commercial Possibilities Seemingly Unlimited."
Eastern 1:45 p. m. — Central 12:45 p. m. — Mountain 11:45 a. m. — Pacific 10:45 a. m.
WMAQ (447.5m-670kc) Radio farm school.
WOI (270m-1110kc) Farm crops.
1:50 — 12:50 — 11:50 — 10:50
KFKX (288.3m-1040kc) "The Soy Bean—Commercial Possibilities Seemingly Unlimited," J. Hackleman.
7:15 — 6:15 — 5:15 p. m. — 4:15 p. m.
WKAR (285.5m-1050kc) "Breeding Dairy Cattle," J. Burnett; "Importance of Water for Dairy Cows," George Taylor; "Vitamins in Ration of Dairy Cattle," C. Huffman.
8 — 7 — 6 p. m. — 5:00 p. m.
KSO (242m-1240kc) Farm talk.
WEAO (293.9m-1020kc) Poultry—"Looking Ahead on the Poultry Farm," E. Dakan.
8:30 — 7:30 — 6:30 — 5:30
WOI (270m-1110kc) "Red Clover," H. Hughes.
9:30 — 8:30 — 7:30 — 6:30
KOA (322.4m-930kc) Farm question box.

Friday, February 26

Eastern 1:15 p. m. — Central 12.15 p. m. — Mountain 11:15 a. m. — Pacific 10:15 a. m.
WOC (483.6m-620kc) Special farm service day.
1.45 — 12:45 — 11:45 — 10:45
WOI (270m-1110kc) Agricultural Economics.
2 — 1 — 12 n. — 11
KFKX (288.3m-1040kc) Special Farm Service day.
WMAQ (447.5m-670kc) Radio farm talk.
7:15 — 6:15 — 5:15 p. m. — 4:15 p. m.
WKAR (285.5m-1050kc) "Wheat and Chaff," J. Cox; "Meeting Certified Seed Requirements," Paul Miller, "Sweet Clover," C. R. Megee; "Seed Time Message to Michigan Farmers," Garfield Farley.
8 — 7 — 6 — 5
KFRU (499.7m-600kc) "A Permanent Pasture System on Every Farm," A. Ragsdale.
8:15 — 7:15 — 6:15 — 5:15
KSAC (340.7m-880kc) "The Relation of Beekeeping to Agriculture," R. L. Parker.
KSO (242m-1240kc) Farm talk.
8:30 — 7:30 — 6:30 — 5:30
WOC (483.6m-620kc) Question box.
8:45 — 7.45 — 6:45 — 5.45
WCCO (416.4m-720kc) "Flower Growing—House Plants, Window Boxes," R. S. Mackintosh.
WCCO (416.4m-720kc) Flower Growing—Perennials, R. S. Mackintosh.
9:05 — 8:05 — 7:05 — 6:05
WOS (440.9m-680kc) "Our Heritage," R. Elkins.
KOAC (280.2m-1070kc) "Painting, Cleaning and Polishing the Auto," K. Coulson.
10:30 — 9:30 — 8:30 — 7:30
KWSC (348.6m-860kc) "The Interesting Bee Family," R. Shoup; "Should the 1926 Potato Crop Be Increased?" M. D. Armstrong.
10:45 — 9:45 — 8:45 — 7:45
KOAC (280.2m-1070kc) "Painting, Cleaning and Polishing the Auto," K. Coulson.

Markets and Weather

Daily Except Sunday

Eastern 9:30 a. m. — Central 8:30 a. m. — Mountain 7:30 a. m. — Pacific 6:30 a. m.
WFAA (475.9m-630kc) Markets.
WOAW (526m-570kc) Markets.
9:45 — 8:45 — 7:45 — 6:45
KDKA (309.1m-970kc) Livestock, grain.
10 — 9 — 8 — 7
WLS (344.6m-870kc) Livestock, markets, fruit.
WOS (440.9m-680kc) Hogs.
10:30 — 9:30 — 8:30 — 7:30
KFKX (288.3m-1040kc) Weather, hog market, local produce, hay, Chicago Board of Trade futures.
WFAA (475.9m-630kc) Markets.
10:45 — 9:45 — 8:45 — 7:45
WCCO (416.4m-720kc) Markets.
WMC (499.7m-600kc) Weather, markets.
11 — 10 — 9 — 8
WOS (440.9m-680kc) Weather, hogs.
11:15 — 10:15 — 9:15 — 8:15
WTAG (268m-1120kc) Markets, weather.
11.30 — 10:30 — 9:30 — 8:30
KFKX (288.3m-1040kc) Weather, Chicago Board of Trade, livestock, Chicago and New York butter and egg market, local produce.
WCCO (416.4m-720kc) Markets.
WEAR (389.4m-770kc) Markets, weather.
11:45 — 10:45 — 9:45 — 8:45
WAAW (384.4m-780kc) Livestock, butter, eggs.
12 n. — 11 — 10 — 9
KDKA (309.1m-970kc) Weather, livestock, grain.
WBAP (475.9m-630kc) Weather, cattle, grain.
WLS (344.6m-870kc) Poultry, dairy, hogs, sheep.
WOS (440.9m-680kc) Livestock, poultry, eggs, grain.
12:30 p. m. — 11:30 — 10:30 — 9:30
KFKX (288.3m-1040kc) Livestock, fruit, vegetables, dairy.
WEAR (384.4m-780kc) Markets, weather.
WFAA (475.9m-630kc) Markets.
1 — 12 n. — 11 — 10
WBAP (475.9m-630kc) Markets.
WHT (238m-1260kc) Fruit, weather.
WOS (440.9m-680kc) Livestock, weather.
1:30 — 12:30 — 11:30 — 10:30
KTHS (374.8m-800kc) Markets, weather.
KFKX (288.3m-1040kc) Weather, livestock, potato market, apples.
WOAW (526m-570kc) Markets.
1:35 — 12:35 — 11:35 — 10:35
KPO (428.3m-700kc) Butter, eggs, cheese, poultry.
1:45 — 12:45 — 11:45 — 10:45
KOA (322.4m-930kc) Weather, roads, livestock, poultry.
2 — 1 — 12 n. — 11
WOC (483.6m-620kc) Weather, grain, livestock, dairy.
WOS (440.9m-680kc) Grain.
2:15 — 1:15 — 12:15 p. m. — 11:15
WAAW (384.4m-780kc) Grain markets.
WFAA (475.9m-630kc) Markets.
3 — 2 — 1 — 12 n.
WLS (344.6m-870kc) Livestock, grain, dairy, fruit, vegetables.
WOS (440.9m-680kc) Livestock, markets, grain.
3:30 — 2:30 — 1:30 — 12:30 p. m.
WFAA (475.9m-630kc) Markets.
WMC (499.7m-600kc) Markets, weather.
3:50 — 2:50 — 1:50 — 12:50
WWJ (352.7m-850kc) Weather, markets.
4 — 3 — 2 — 1
KFKX (288.3m-1040kc) Weather, Chicago Board of Trade futures, Kansas City cash grain report, Omaha grain, livestock.
WCCO (416.4m-720kc) Markets.
WCX (516.9m-580kc) Stocks and grain.
WFAA (475.9m-630kc) Markets.
5:30 — 4:30 — 3:30 — 2:30
WHAS (399.8m-750kc) Markets.
6:30 — 5:30 — 4:30 — 3:30
KSAC (340.7m-880kc) Markets.
6:45 — 5:45 — 4:45 — 3:45
WIP (508.2m-590kc) Livestock, markets.
7:30 — 6:30 — 5:30 — 4:30
KMA (252m-1190kc) Markets and weather.
KSAC (340.7m-880kc) Market review.
7:45 — 6:45 — 5:45 — 4:45
KFWA (261m-1150kc) Market reports.
8 — 7 — 6 — 5
KFKX (288.3m-1040kc) Weather, livestock, Boston wool, Omaha grain.
KOA (322.4m-930kc) Sheep, markets, livestock, poultry.
11 — 10 — 9 — 8
WCCO (416.4m-720kc) Weather, grain.

SYMPHONY CONCERTMASTER AT WGN

Tuesday, February 23

Twins; 9, Eveready hour; 10, Moments musicale; 10:30, Vincent Lopez and his dance orchestra.

WGBS, New York, N. Y. (315.6m-950kc), 1:30 p. m., Viola Reed, soprano; 3, Interview with Dwight Frye of the Goat Song; 3:15, Idelle Nicosia, soprano; 3:20, interview with Anna Colman Ladd, sculptress; 6, Uncle Geebee; 7, Arrowhead Inn concert orchestra; 8, Y. M. H. A. vocational forum; 8:15, Alfred Shotter, concert violin; 8:50, Belle Bart; 9, Crystal Palace orchestra; 9:40, Jascha Guriwitch; 10:30, Arrowhead Inn dance orchestra.

WGCP, New York, N. Y. (252m-1190kc), 3 p. m., Irving Fristenberg, pianist; 3:20, Paul Hogan, tenor; 3:35, Isabelle Henderson, soprano; 3:45, 20th Century entertainers; 4:15, Leslie McLeod, tenor; 4:30, Max Heitt, violinist; 4:45, Bob McDonald, ukulele.

WGHB, Clearwater, Fla. (266m-1130kc), 6:30-7:30 p. m., dinner music; 8:30-9:30, Rex Dantzler, tenor; Caroline Lee, "The Virginia Girl" and her Spanish guitar; 11:45-1 a. m., Radio Ramblers midnight frolic.

WGHP, Detroit, Mich. (270m-1110kc), 6-7 p. m., dinner concert, Hotel Tuller; 7:40-7:50, children's evening chat; 8-10, Skylark dance band; 12-1 a. m., Gerald Marks and his orchestra, assisting artists

WGR, Buffalo, N. Y. (319m-940kc), 2:30 p. m., WGR's afternoon program; 6:30, Vincent Lopez' Hotel Statler dance orchestra, Harold Gieser, director; 8, jointly with WEAF, including Blue Ribbon male quartet, the Gold Dust Twins, Eveready hour, Moment musicale, and Vincent Lopez and his Casa Lopez orchestra.

WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., Hotel Van Curler orchestra; 7:45, Marine band; 8, finals, Old Fiddler's contest; 8:30, New York Philharmonic concert.

WHAR, Atlantic City, N. J. (275m-1090kc), 2 p. m., Seaside hotel trio; 7:30, talks; 8, Seaside hotel trio; 11:15, Strand theater organ recital.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:45 a. m., setting-up exercises; 7, setting-up exercises; 10, menu talk, Mrs. Anna B. Scott; 1 p. m., organ recital; 8, Frank Brightman, pianist; Ellen Ayars, pianist; Edwin Fredericks, violinist; Bernard Otto, violinist; Grayce Mackey, reader; 6:05, Monte Cross, "Oldtimer"; 6:15, Nelson Napes and his S. S. Leviathian orchestra; 7, Uncle Wip's bedtime stories; songs by Amelia Rohland; 8:15, artist recital; 10:30, Pagoda cafe orchestra.

WJAX, Jacksonville, Fla. (336.9m-890kc), 3:30 p. m. Hemming Park band concert, Vessella's band, Oreste Vessella, conductor; 7:30, music memory concert; 8-9, popular program; 11-12, popular program.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Stormfeltz-Loveley entertainers; 9, Michigan night, university hall.

WLIT, Philadelphia, Pa. (394.5m-760kc), 11 a. m., organ recital; 12:02 p. m., daily almanac; Stanley theater organ recital; Arcadia cafe concert orchestra; 2, Arcadia cafe concert orchestra; 7:30, Dream Daddy's bedtime stories.

WMAK, Buffalo, N. Y. (266m-1130kc), 6:15-7:15 p. m., dinner music.

WMBF, Miami Beach, Fla. (384.4m-780kc), 7-9 p.m., Fleetwood Radio orchestra; 10-1 a. m., Gene Fosdick and his orchestra; Fleetwood Radio orchestra.

WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Olcott Vail and his Hotel McAlpin string ensemble; 6:30, Woodmansten Inn orchestra; 7, Jack Denny's orchestra; 8, Pace institute program; 8:15, Landay revellers; 9:15, Palmer pen lesson; 11, Ernie Golden and his Hotel McAlpin orchestra.

WNYC, New York, N. Y. (526m-570kc), 7:10 p. m., The Canadians; 7:35, The Canadians; 8, recital-talk, Herman Neuman and assisting artists, music of George Frederick Handel; 10, Harry Ash's orchestra; 10:35, Harry Ash's orchestra.

WOO, Philadelphia, Pa. (508.2m-590kc), 11 a. m., organ recital; 12:02 p. m., Golden's crystal tea room orchestra; 4:45, organ recital; 7:30, A. Candelori's concert orchestra.

WOR, Newark, N. J. (405.2m-740kc), 6:15 p. m., Bill Wathey of the Telegram staff in sports; 6:30, Jacques Jacobs' Hotel Shelton ensemble.

WPG, Atlantic City, N. J. (299.8m-1000kc), 6:45 p. m., Arthur Scott Brook, organist; 7, Hotel Morton dinner music; 8:15, Cecile Steiner, violinist; Margaret Irwin, pianist; E. F. Gallagher, baritone; 9, Chalfonte-Haddon Hall dual trio; 10, Cuthbert Melody Boys, Pickers; 10:30, Karl Bonawitz, pianist; 11, Silver Slipper supper club.

WRC, Washington, D. C. (468m-640kc), 12 noon, organ recital, George Ross; 12:30 p. m., Lenten services, Keith's theater; 1, Hotel Washington orchestra, Irving Boernstein, director; 7:10, Radio School of International Relations; 7:30, concert, U. S. Marine band orchestra, Capt. William H. Santelmann, leader; 8:30, New York Philharmonic society; 9:30, announced; 10:30, W. Spencer Tupman and his Hotel Mayflower orchestra.

WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., Speed-Wagon serenaders; Gold Standard ensemble; 8:15, Reo Motor Car company band; C. Eugene Erb, cornetist; Reo Motor Car company band glee club.

WTAG, Worcester, Mass. (268m-1120kc), 10:30 a. m., musical selections; 12:05-2, noonday luncheon music, WTAG orchestra, Will Hardy, director; 5:15, "The Twinkle Twinkle Story Teller"; 9-10, Eveready hour, WEAF; 10-10:30, "Moment Musicale," WEAF; 10:30-11, Vincent Lopez and his orchestra.

WWJ, Detroit, Mich. (352.7m-850kc), 9:30 a. m., "Tonight's Dinner"; 12:05 p. m., Jules Klein's Hotel Statler orchestra; 3, Detroit News orchestra; 6, dinner concert; 8, concert, WEAF.

Central Time Stations

KFDM, Beaumont, Texas (315.6m-950kc), 12:30-1 p. m., Refinery band concert; 7-7:30, children's program; 8-10, selections from opera "Ernone," assisted by Magnolia orchestra.

KFKX, Hastings, Nebr. (288.3m-1040kc), 12:50 p. m., Harry Hooks and the Paramount orchestra; 5:30, dinner concert relay, KDKA; 7-10, annual banquet program of Nebraska Retailers association convention.

KFMQ, Fayetteville, Ark. (299.8m-1000kc), 8 p. m., program, pupils, Harry E. Schultz.

KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., birthday program.

KFRU, Columbia, Mo. (499.7m-600kc), 8:45 a. m., Public School Convocation, music; 4:30-5:30 p. m., Bella Vista Quadrangle orchestra; 6:15, dinner music; 6:45, children's hour.

KMA, Shenandoah, Iowa (252m-1190kc), 11:30 a. m.-12:30 p. m., rural program; request songs, Mrs. May; 6-7, May Flower trio, May's flower lady, Lina Ferguson; 9-11, May's mandolin musicians.

KMOX, St. Louis, Mo. (280.2m-1070kc), 12:30 p. m., organ recital, Arthur L. Utt; 3, string ensemble music with soloists; 4, string ensemble music with soloists; 6, organ recital, Arthur L. Utt; 7, Little symphony, David Bittner, conductor; "Little Red Schoolhouse"; Dr. Clark Davis concert company, piano and vocal numbers; 8, Little symphony; "Colonel 6121"; Briggs P. Dingman, saxophone; 9, Little symphony; Dr. Julius Bischof; Mrs. J. H. Rotter, character songs; 10, Little symphony; soloists.

KPRC, Houston, Texas (296.9m-1010kc), 12 noon, educational program; 5:30 p. m., Uncle Judd's Kiddies' hour; 7:30, Billie Mack's dance orchestra; 8:15, South End Christian church quartet; Coralie Gregory, director; 9, auction bridge game.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9-9:30 p. m., chorus classics, First Presbyterian church choir, Frances Hardin, director; 9:30-9:45, violin group, Flora Mae Bridewell Sharp; 9:45-10, classical offerings, Eastman Eight orchestra, Jack Lube, director; 10-10:30, Meyer Davis dance orchestra.

KWWG, Brownsville, Texas (278m-1080kc), 12 noon, music, Hula Boys; Lorez and Villa; 6 p. m., music, Sunshine Girl.

KYW, Chicago, Ill. (535.4m-560kc), 12:05 p. m., concert; 1, Joska De Babary and his orchestra; Coon-Sanders' orchestra; 2:35-4, frolic, Frank Clark, director; Wendell Hall; 6-7, KDKA; 8, music, Congress hotel; 9, an hour of music; 10, evening at home; Coon-Sanders' orchestra; Wendell Hall.

WBAP, Fort Worth, Texas (475.9m-630kc), 6-6:30 p. m., Chief Gonzales' Texas Hotel Royals; 7:30-8:30, Marimba club; 9:30-11, WBAP's Harmony trio.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 2:30 p. m., afternoon concert, Dick Long's trio; 4, readers' club, Eleanor Poehler; 5:30, children's hour; 6:15, dinner concert, Dick Long's Nankin cafe orchestra; 7:30, program, WEAF; 7:30-8, Gold Dust Twins; 8-9, Eveready hour.

WDAF, Kansas City, Mo. (365.6m-820kc), 3:30-4:30 p. m., the Star's string orchestra; 6-7, the Tell-Me-a-Story lady; the Trianon ensemble; 11:45-1, Ted Weem's Victor Recording orchestra; Eddie Kuhn's Kansas City Athletic club orchestra; Ted Meyn, organist.

WEBH, Chicago, Ill. (370.2m-810kc), 7 p. m., Oriole orchestra; 8, Lydia Lochner, contralto; Kathryn Forbes, soprano; 9, Uptown theater; 11, Oriole orchestra; 12:30 a. m., Jack Penewell, Fred Palmiter.

WGES, Oak Park, Ill. (250m-1200kc) 5-7 p. m., tenor, organ, features; 8-9, flute duo orchestra, pipe organ; 11-1 a. m., pipe organ, tenor, piano and soprano selections.

WGN, Chicago, Ill. (302.8m-990kc), 10-10:15 a. m., phonic players; Palmer House Victorians; Howard L. Peterson, organist; 8-9, solos, bands, etc., children; 10-11, Garod studio; Rushmore ensemble singers; Palmer House Victorians; 12:30 a. m., Knights of the Burning Candle.

WKRC, Cincinnati, Ohio (422.3m-710kc), 10 p. m., Alvin Roehr and his Hotel Alms orchestra; 11, Doc Howard and his Cuvier WKRC quartet, orchestra; Reine Gau, Phil Pavey, Ollie Grimm, Jimmie Schuh.

WLIB, Chicago, Ill. (302.8m-990kc), 7-8 p. m., musical program; 11-1 a. m., dance music, songs, Correll and Gosden; Hawaiian guitar music, Langdon brothers.

WLS, Chicago, Ill. (344.6m-870kc), 6 p. m., WLS trio; 6:40, Ralph Emerson, organist; 7, lullaby time; 7:20, "Common Sense of Music," Dr. S. Spaeth.

WLW, Cincinnati, Ohio (422.3m-710kc), 7:30 a. m., healthful exercise, William Stradtman, physical department YMCA; 8, morning devotions, auspices of Parkway YMCA; 12 noon, noon concert, Hotel Gibson orchestra, Robert Visconti, director; 4 p. m., talk, Ralph Schmidt, of Ft. Thomas Kentucky; 4:10, French lessons, Madame Ida Tsimpidis; 7, historical appreciation of music, Etelka Evans, Cincinnati Conservatory of Music; 7:30, piano memories, Crosley piano request, Lady Mary Louise Wosezcek; 8, concert, Tenth U. S. Infantry band; concert Formica concert orchestra, Wil-

CLASSICAL CONCERTS INDEX

Saturday, February 20

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.
WCX, WEAF, WMCA, WREO.			
7	6	5	4
KGO, KYW, WEAR, WENR, WMAQ, WOAW, WOK, WRC.			
8	7	6	5
KDKA, KFNF, KOIL, KSD, KYW, WGN, WMBB, WNYC, WOAW, WQJ.			WBBB,
9	8	7	6
KFOA, KPRC, KHJ, KYW, WOAW.		WHAS,	WIP, WLW, WORD, WSAI, WSOE
10	9	8	7
KNX, KYW, WEAF, WMAQ, WOAW.		WMC,	WOC, WORD,
11	10	9	8
KGO.			
12m	11	10	9
WOAW.			

Sunday, February 21

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.
WCAU.			
7:20	6:20	5:20	4:20
WCAE, WCAU, WEAF, WEAR, WEEI, WJAR, WTAG, WWJ.			
8	7	6	5
KYW, WAMD, WBZ, WEAR, WGBS, WGCP, WKAQ, WLS, WORD.			
9	8	7	6
KFDM, KPRC, KSD, WBZ, WCAU, WCBD, WCCO, WEAR, WGY, WHAR, WHT, WNYC, WQJ.			
9:15	8:15	7:15	6:15
WEEI, WJAR, WTAG.			
10	9	8	7
KHJ, KNX, KTHS, KYW, WCCO, WEAF, WNYC, WOC, WQJ, WSOE.			WFAA,
11	10	9	8
KFVE, KHJ, KNX, KPO, KTHS, KYW, WHN, WKRC, WOC.			
12m	11	10	9
KHJ, KNX, WOC.			
1 a.m.	12m	11	10
KNX.			

Monday, February 22

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.
KGO, WCX, WEAF, WMCA, WREO, WWJ.			
7	6	5	4
KMA, WCCO, WEAF, WEAR, WHAD, WJR, WOAW, WOK.			
8	7	6	5
KFNF, KSD, WBBR, WBZ, WCAU, WCX, WHAR, WHT, WJAR, WLW, WMBB, WTAG, WTIC.			
9	8	7	6
KFOA, KGO, KHJ, KPRC, WBBR, WCCO, WBZ, WCAE, WEEI, WHAD, WHO, WJAR, WLW, WORD, WOS.			
10	9	8	7
KMA, KPO, KPRC, KSD, KTHS, WAMD, WCCO, WEAF, WHAD, WJAR, WOAW, WSUI, WTAG.			
11	10	9	8
KGW, KHJ, KMA, KSD, KTHS, KWSC, WHN, WSAI.			
12m	11	10	9
KGW, WBAP, WSAI.			
1 a. m.	12m	11	10
KHJ.			

Tuesday, February 23

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.
WBZ, WCX, WEAF, WMCA, WREO, WWJ.			
7	6	5	4
KGO, KMA, WEAR, WEBJ, WGBS, WHAD, WJR, WMAQ, WOAW, WOK, WOR, WTIC, WWJ.			
8	7	6	5
KFNF, KSD, KYW, WBZ, WCAE, WCAU, WCX, WEAR, WEEI, WGR, WHAR, WHT, WLS, WMBB, WQJ, WRC, WTIC.			
9	8	7	6
KFDM, KFNF, KFOA, KGO, KHJ, KSD, KYW, WBAP, WBZ, WCAU, WDAF, WEEI, WHAD, WJAR, WMAQ, WMCA, WSAI.			
10	9	8	7
KFAB, KFDM, KOA, WCCO, WHAD, WMAQ.			
11	10	9	8
KFMX, KHJ, KNX, KPO.			
12m	11	10	9
KPO.			

Wednesday, February 24

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.
WCX, WEAF, WMCA, WREO, WWJ.			
7	6	5	4
KGO, WEAR, WHAD, WJR, WMAQ, WOK, WTIC.			
8	7	6	5
KFNF, KPRC, KSD, KYW, WAMD, WBZ, WCX, WEAF, WEEI, WHT, WLW, WMBB, WMCA, WQJ, WTAG, WWJ.			
9	8	7	6
KFOA, KGO, KPRC, KSD, KYW, WBZ, WCCO, WDAF, WEEI, WGR, WHAD, WHAS, WJAR, WMAQ, WOR, WOS, WORD.			
10	9	8	7
KFMX, KMA, KNX, KTHS, WAMD, WCCO, WEAF, WEEI, WGR, WHAD, WJAR, WLS, WMAQ, WNYC, WOC, WSOE.			
11	10	9	8
KGO, KGW, KMA, KPO, KTHS, WCAE, WLS, WLW, WOC, WSAI.			
12m	11	10	9
KGW, KPO, WHAD, WLW.			
1 a. m.	12m	11	10
WLW.			

Thursday, February 25

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.
WBZ, WCX, WEAF, WIP, WMCA, WREO, WWJ.			
7	6	5	4
KGO, KSD, WEAF, WEAR, WGBS, WHAD, WJR, WMAQ, WOAW, WOK, WWJ.			
8	7	6	5
KYW, WBBR, WBZ, WCAU, WCCO, WCX, WEAR, WEEI, WGR, WGY, WHAR, WHT, WLS, WLW, WMBB, WOAW, WQJ, WTAG, WTIC.			
9	8	7	6
KHJ, KLDS, WBAP, WCAE, WCAU, WCBD, WCCO, WEAF, WEEI, WGR, WHAR, WHAS, WJAR, WNYC, WOC, WORD, WRC, WASI, WSB, WTAG.			
10	9	8	7
KNX, KPRC, KTHS, KYW, WAMD, WGR, WGY, WHAD, WMC, WOAW, WOC, WSAI.			
11	10	9	8
KGO, KPO, KTHS, WBAP, WKRC.			
12m	11	10	9
KGW, KPO, WHO, WKRC.			

Friday, February 26

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.
KGO, WCX, WMCA, WREO, WWJ.			
7	6	5	4
KGO, WEBJ, WGY, WHAD, WJR, WMAQ, WOAW, WOK, WOR, WTIC.			
8	7	6	5
KYW, WAHG, WAMD, WBZ, WCAU, WCX, WEBJ, WEEI, WHT, WLS, WQJ, WWJ.			
9	8	7	6
KFDM, KFNF, KFOA, KGO, KHJ, KSD, KYW, WBAP, WBZ, WCAU, WDAF, WEEI, WHAD, WJAR, WMAQ, WMCA, WSAI.			
10	9	8	7
KFAB, KFDM, KOA, WCCO, WHAD, WMAQ.			
11	10	9	8
KFMX, KHJ, KNX, KPO.			
12m	11	10	9
KPO.			

good health period; 10:15-10:45, entertainment for shut-ins; 11-11:30, morning organ concert, Chicago theater, Dean Fossler; 12:01-12:30 p. m., noon-hour entertainment for children; 12:40-2:30, luncheon concert music; 2:30-3, Lyon and Healy artists' recital; 3:25, Port o' Missing Men; 3:30-4:15, tea time music; 4:30-5, organ recital, Edward Benedict; 5:30-5:57, Skeezix time; 6:30-6:45, dinner concert music; 6:45-7, old-time favorite songs; 8-9, Eveready hour; 9-10, musical program; 10-10:10, "Sam 'n' Henry," Radio comic strip; 10:10-10:15, old-time favorite songs; 10:15-11, dance music; songs, Correll and Gosden, Freda Leonard and Jewell Barnett.

WHAS, Louisville, Ky. (399.8m-750kc), 1-2 p. m., Benson trio; 3-3:30, Mrs. Myrtle Fulks Zahn, Jr., organist; 4-5, Music Box concert; 7:30-9, Eddie Rosson and his orchestra.

WHB, Kansas City, Mo. (365.6m-820kc), 7-7:30 p. m., dinner hour organ concert, Linwood theater, Morrill Moore; 8-10, feature program; G. L. Cowan, pianist; N. McDowell, Hawaiian guitarist; J. Savage, guitarist; H. Grovier, mando-cello; R. Anderson, mandolinist and uke soloist.

WHO, Des Moines, Iowa (526m-570kc), 2:15 p. m., Snow White, Marvel trio; 7:30-9, American Legion; 11-12 midnight, Bankers' Life Corn Sugar orchestra.

WIBO, Chicago, Ill. (220m-1330kc), 2-4 p. m., program for shut-ins; Ted Fiorito, pianist; Dan Russo, violinist; Marie Tully, soprano; Wayne Meyers, reader; Mr. Wallace, singer; Dorothy Davie Dillow, soprano; 6-8, dinner concert; American ballads, Walter Preston; WIBO string trio; 3, Bernice Taylor, soprano; Charlotte Edwards, contralto; Eugene Wallenius, tenor; Ruth Goll, pianist; 12, midnight jamboree; Dan Russo, violinist; Ted Fiorito, pianist; Wayne Meyers, reader; Marie Tully, soprano; Harry Davis.

WJJD, Mooseheart, Ill. (370.2m-810kc), 12-1 p. m., Palmer House symphonic players; Palmer House trio; 2-3, Howard L. Peterson, organist; 4-5, music, Mooseheart children; daily assembly of 1,250 children; Mooseheart faculty talks; 5:30-7, Jack Nelson; Palmer House sym-

liam Stoess, director, auspices The Formica Insulation company.

WMAQ, Chicago, Ill. (447.5m-670kc), 4:45 p. m., pupils, Maurice Rosenfeld; 6, Chicago theater organ; 6:30, Hotel La Salle orchestra; 8:20, Mrs. Elizabeth Jenks, soprano; 9:20, Elmhurst choral club.

WMBB, Chicago, Ill. (250m-1200kc), 7-8 p. m., Trianon duo; Grand Opera trio; Genevieve Burnham, coloratura soprano; 9-11, Trianon orchestra; Dell Lampe; Woodlawn theater orchestra; Walter Kipps; Eddie Matts and Billie Donovan; Ned Graham, baritone; Bob Bennett, pianist; Oxford Girls, vocal duo.

WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Hofstead Bible class male quartet; 9, bridge game; 11, midnight frolic.

WOAN, Lawrenceburg, Tenn. (282.8m-1060kc), 9-9:30 p. m., Walter B. Seale and orchestra; 9:30-10, quartet, orchestra.

WOAW, Omaha, Neb. (526m-570kc), 12:45 p. m., Gilbert Jaffy and his Little symphony; 6, entertainment; 6:50, orchestra; 9, classical; 10:30, Herb Feierman and his Omadala orchestra; 12, Rialto theater alarm.

WOC, Davenport, Iowa (483.6m-620kc), 5:45-6 p. m., chimes; 7-7:30, Blue Ribbon male quartet; 7:30-8, Gold Dust Twins, WEAF; 8-9, Eveready hour; 9-10, travel lecture; 10-11, Crescent orchestra; 12-3 a. m., Crescent orchestra, to be rebroadcast by WGY.

WOI, Ames, Iowa (270m-1110kc), 12:30 p. m., college chimes.

WOK, Chicago, Ill. (217.3m-1380kc), 4:30-7 p. m., Capitol theater organ; program; 10-1:30, Tierney's Town club orchestra; Carl Lorraine's Pershing Palace orchestra; Husk O'Hare's Cocoanut Grove orchestra; Capitol theater program; program.

WOQ, Kansas City, Mo. (278m-1080kc), 8-9 p. m., devotional musical program.

WORD, Batavia, Ill. (275m-1090kc), 7 p. m., program, Public Service company; 7:45, Bible questions and answers, B. M. Rice; 9-10, program, W. A. Sheaffer Pen company; 11-11:45, musical program, Public Service company.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Gardens orchestra; Kenneth Sterling, baritone; Katherine McDevitt, Margaret McDevitt, piano duets; 10-1, Rainbo Skylarks; Gertrude Wolf Quentin, soprano; Jerry Sullivan; Rose Vanderbosch, soprano; Hal Lansing, ukulele soloist; Merrill Carder, baritone; Will Rossiter; Ila Shannabrook, soprano; Romo Vincent, boy baritone; 1-2, Ginger hour.

WSAI, Cincinnati, Ohio (325.9m-920kc), 5:30 p. m., musical; 6:30, musical; 7, Mabley and Carew orchestra, Reuben Lawson, director; 8, Eveready hour; 9:30-10, musical program; 12, Freda Sanker's orchestra.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., program, Remington Typewriter company; 10:45, entertainment.

WSM, Nashville, Tenn. (282.8m-1060kc), 10 p. m., frolic, Beasley Smith's orchestra.

WSOE, Milwaukee, Wis. (246m-1220kc), 8:45 p. m., movie review, Peggy Patton; 9, classical musical program, Eva Case company.

Mountain Time Stations

CNRR, Regina, Can. (476m-640kc), 8 p. m., kiddies' bedtime story, Aunt Jenny; studio program, Queen City Mandolin club.

KFXF, Colorado Springs, Colo. (250m-1200kc), 8:30-10:30 p. m., Colorado's part in the Great Feminist movement, Lillian H. Kerr, director; "March of the Women," Silver Cleff club.

KOA, Denver, Colo. (322.4m-930kc), 12:15 p. m., Rialto theater organ; 5:30, Brown Palace string orchestra.

Pacific Time Stations

CNRV, Vancouver, Can. (291.1m-1030kc), 8:30 p. m., studio program, Men's Musical club; Dorothy Haddon, accompanist; Stanley Bligh, conductor; 10:30, Cabaret Belmont orchestra, Bebe Mullar, soprano.

KFI, Los Angeles, Calif. (467m-642kc), 5:30-6 p. m., Norman Harvey's orchestra; 6, nightly doings; 6:15, KFI's Seeing California; 6:30, vest pocket program; 6:45, Radiotorial period; 7-8, program arranged by Clarabelle Patten Wallace; 8-9, Al Wesson's dance orchestra; 9-10, Louise Klos trio, Virginia Flohri, soprano; 10-11, Packard ballad hour with usual favorites.

KFON, Long Beach, Calif. (232.4m-1290kc), 6-6:30 p. m., Brayton's theater organ; 6:30-7, amusement information; 7-8, California Foot Warmers orchestra; 8-9, Press-Telegram studio; 9-11, Long Beach Aero club hi-jinks.

KFWB, Hollywood, Calif. (252m-1190kc), 5-6 p. m., Big Brother of KFWB in children's stories; 8-9, Jack Smith's dance orchestra, Hazel Thomas, soprano; Blanch Kaminer, pianologues; 9-10, Mosley brothers, banjo duets; Henry Kaplan, pianist; Bill Blake, tenor; Mildred Bragdon, soprano; 10-11 Warner Brothers frolic, directed by Charlie Wellman.

KGO, Oakland, Calif. (361.2m-830kc), 7:15-7:30 a. m., health training exercises, Hugh Barrett Dobbs; 7:45, Pep class; 8:15-8:30, health training exercises; 11:30-1 p. m., concert; 4-5:30, Hotel St. Francis concert orchestra, Vinton LaFerrera, conductor; 5:30, "As a Woman Thinketh," Louise Landis; 6-6:55, Brokaw and his orchestra; 8-9, Eveready program; Mishel Piastro, violinist; Lev Shorr, Russian pianist; 9:15-9:30, Audrey Sage, clarinetist; Adele Meyer, accompanist; Harmonica quartet; 9:30, auction bridge feature; 10-12, dance music program, Girvin-Deuel's California Collegians.

KGW, Portland, Ore. (491.5m-610kc), 12:30-1:30 p. m., concert; 6-7, dinner concert; 8-10, educational program, book review, McElroy quartet; 10-12, dance music; Curt Kremer, pianist.

KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., history story, Professor Hertzog; weekly visit of Queen Titania and her Sandman; Charles Leslie Hill, readings; Lenore Killian, contralto; 7:30, talk on dogs, H. M. Robertson; 8-10, program, Builders' Finance association.

KMTR, Hollywood, Calif. (238m-1260kc), 5-6 p. m., citizenship hour with Mammy Simmons, Boy Scouts and Campfire Girls; 6-7, Starr Piano company studio; 8-10, KMTR concert orchestra, Loren Powell, director.

KNX, Hollywood, Calif. (336.9m-890kc), 5-5:30 p. m., Sunny Jim's talk; 5:30-6, Leighton's Arcade cafeteria orchestra; 6, Town Tattler; 6:15, travel talk, W. F. Alder; 6:30-7, Atwater Kent concert orchestra; 7-7:45, program, Overell's Furniture company; 8-9, program, Globe Ice Cream and Weber Quality Bread companies; 9-10, program, Western Auto Supply company; 10-12, movie night at the Ambassador, Ray West's Cocoanut Grove dance orchestra.

KPO, San Francisco, Calif. (428.3m-700kc), 7, 7:30, 8 a. m., daily dozen exercises; 1-2, Rudy Seiger's Fairmont hotel orchestra; 2:30-3:30, matinee program; 3:30-4:30, Cyrus Trobbe's Palace hotel concert orchestra; 5:15-6:15, children's hour stories; 6:40-7, Waldemar Lind and the States restaurant orchestra; 7-7:30, Rudy Seiger's Fairmount hotel orchestra; 9-10, program, Mona Motor Oil trio and Gypsy and Marta, harmony team; 10-11, Palace hotel dance orchestra, Gene James, director.

KTAB, Oakland, Calif. (240m-1250kc), 9-9:30 a. m., prayer service, Rev. G. W. Phillips; 12-1 a. m., concert; 8-10, program.

Wednesday, February 24

Headliners Today

Eastern	Central	Mountain	Pacific
7 p. m.	6 p. m.	5 p. m.	4 p. m.
CNRO (434.5m-690kc) anniversary program.			
8	7	6	5
WBZ (333.1m-900kc), Pierian trio.			
WTIC (475.9m-630kc), Hartford Saengerbund concert.			
9	8	7	6
WBZ (333.1m-900kc) Angelus quartet.			
WDAF (365.6m-820kc) American Legion program.			
9:30	8:30	7:30	6:30
WEAF (491.5m-610kc) Irvine players.			
10:30	9:30	8:30	7:30
KTHS (374.8m-800kc) Old Breakdown concert.			
WGR (319m-940kc) Variety program.			
11	10	9	8
KFI (467m-642kc) Ventura string quartet.			
KYW (535.4m-560kc) Wendell Hall, Red-Headed Music Maker.			
WSM (282.8m-1060kc) Shriners.			
1 a. m.	12	11	10
WGR (319m-940kc), Special All Night frolic until 4:30 a. m.			

Wednesday, silent night for: CHIC, CKNC, CNRA, CNRC, CNRE, CNRM, CNRR, CNRT, CNRV, KFAU, KFDM, KFEQ, KFKU, KFMQ, KFXF, KGO, KLDS, KMMJ, KOB, KTAB, WABQ, WBAL, WBAP, WBBR, WCAD, WCAL, WCBD, WEBW, WFAA, WGBS, WGCP, WGST, WHAR, WHAZ, WIP, WJAD, WJAZ, WLWL, WMC, WOAI, WOAW, WOI, WPG, WRC, WREO.

Eastern Time Stations

CNRM, Montreal, Can. (410.7m-730kc), 8:30 p. m., instrumental concert night.

CNRO, Ottawa, Can. (434.5m-690kc), 7 p. m., children's half hour, Aunt Bessie; 8, Chateau Laurier concert orchestra; 8:45, second annual birthday party, CNRO; favorite artists.

KDKA, Pittsburgh, Pa. (309.1m-970kc), 12:20 p. m., Trinity church Lenten service; 6:30, dinner concert; 8:30, Independent Wall Paper Pierrots; 9, Helen Greenwood, soprano; Hulda Lefridge, pianist; Vincent Koren, tenor; Natcho Vasileff, cellist.

PWX, Havana, Cuba (400m-750kc), 8-9 p. m., Cuban Army band; 9:15-10:15, Cuban Army band.

WAHG, Richmond Hill, N. Y. (315.6m-950kc), 12:03 p. m., musicale; 7:30 p. m., songs for little people. Helen Marshall; 7:45, John DeBueris, clarinet virtuoso and Vito Menella, Italian tenor; 8:15, joint recital, Michael Lamberti, cellist and Edythe Lamberti, lyric soprano; 9, William Taylor, baritone; 9:15, Philipp

CNRO'S BIRTHDAY PARTY WEDNESDAY

Wednesday, February 24

A. Fey, lyric tenor; 9:30, the Four Gondoliers; 10:03, Philipp A. Fey, lyric tenor; 10:20, Frank Lapeire's Collegians.

WBZ, Springfield, Mass. (333.1m-900kc), 6:30 p. m., KDKA Little Symphony orchestra; 6:45, Hotel Kimball dance orchestra; 8, Lillian Clark, harpist; Ethel Vanneman, soprano; Pierian trio; 9, Angelus quartet.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:45 p. m., Parodians dance orchestra; 7:30, recital, N. Snellenburg and company; 8, talk; 8:10, Kane's Musical Adventurers; 9, Rigo's Royal Gypsy band; 9:30, Jones' Jolly Four; 10, fashion talk, Murray Elgart; 10:05, Interfraternity dance orchestra; 10:45, Frank Cook, old-time songs; 11, Artie Britton's Cheer-Ups.

WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., dinner program, Goldkette ensemble; 8-9, program.

WEAF, New York, N. Y. (491.5m-610kc), 6:45, 7 and 7:20 a. m., Tower health exercises to WEAF, WEEI, WCAP; 7:45-8 a. m., morning prayer services, auspices of Greater New York Federation of Churches; 11:05, Evelyn Wight, soprano; 12 n., chapel services, Columbia university; 4, Marguerite Cartwright, soprano; 4:15, Juliette Glassman, pianist; 4:30, Ben Gordon, tenor; 4:45, story hour of New York public library; 5:00, Vincent Lopez and his orchestra from tea room of Ritz Carlton hotel; 6, dinner music, Rose room of Hotel Waldorf-Astoria; 7, synagogue services, auspices of United Synagogue of America; 7:30, concert, United States Army band, direction of William J. Stannard, WEAF, WCAP, WJAR, WOO; 8:30, Davis saxophone octet, WEAF, WOO, WCAE, WSAI, WCAP, WTAG, WEEI, WGR; 9, Ipana Troubadours to WEAF, WEEI, WCAP, WWJ, WCCO, WGR, WSAI, KSD; 10, Roxy and his gang to WEAF, WEEI, WTAG, WCAP, WWJ, WJAR, WGN; 5, Vincent Lopez and orchestra from Tea room of Ritz-Carlton hotel; 6, dinner music, Rose room of Hotel Waldorf-Astoria; 7, Gene Ingraham and his Great Notch Inn orchestra; 7:30, "Sir Hobgoblin's Cherry Tree," Blanche Wade to WEAF, WOO, WCAP, WCAE, WGR, WJAR, WEAR, WTAG, WOC; 7:45, Modena Scoville, pianist; 8, the Happiness Candy Boys; 8:30, Eagle Neutrodyne trio; 9, cities service quartette and orchestra, WEAF, WEEI, WOO, WEAR, WGN, KSD; 9:30, Irvine players, one act radio plays; 10, Whittall Anglo Percians, WEAF. WCAP, WJAR, WOO, WEEI, WGR, WTAG, WCAE, WOC, WCCO, WWJ, KSD, WEAR; 10:30, Chamber musicale, Genia Zielinska, soprano and Carl Rollins, baritone; 11-12 p. m., Ben Bernie and orchestra from Hotel Roosevelt.

WEAO, Columbus, Ohio (293.9m-1020kc), 4:10 p. m., story hour for shut-ins, Prof. Sada Harbarger; 8:15, music; 8:45, vocal; 9, two-piano recital.

WEAR, Cleveland, Ohio (389.4m-770kc), 7 p. m., Hotel Cleveland orchestra.

WEBJ, New York, N. Y., (272.6m-1100kc), 8-8:30 p. m., John Landers and his Royal Aces; 8:45, Esther Mittleman, concert pianist; 9, p. m., Benjamin S. Jarmus, tenor, accompanist, Milton Rubin; 9:15, Rudolph Joskowitz, concert violinist, accompanist, Norman Hennefeld; 9:30-10, Busoni's Neapolitans.

WEEI, Boston, Mass. (348.6m-860kc), 6:45 a. m., health exercises; 3 p. m., E. Payson Re and his orchestra; 5, Black and White vaudeville orchestra; 6:15, Joe Rines and his Hunters' Cabin orchestra; 6:45, Big Brother club; 7:30, Nordine Robards, pianist; 8, musical skit; 8:30, Davis saxophone octet, WEAF; 9, Ipana Troubadours, WEAF; 10, Roxy and his Gang, WEAF.

WFI, Philadelphia, Pa., (394.5m-760kc), 10:30 a. m., special music; 10:40, Betty Crocker; 1 p. m., tea room ensemble; 3, The Octave, of Haddon Heights; musical readings, Mrs. M. Atlee Ermold; talk, "Care and Maintenance of a Lawn," Warren E. Meixner; 6:30, Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra.

WGBS, New York, N. Y. (315.6m-950kc), 1:30 p. m., Ruth Maschke, soprano; 3, special hospital program for Reconstruction Hospital; 3:15, Sunny entertainers, Charlotte Salisbury singer, composer, actress; 6, Uncle Geebee; 6:30, Julie Wintz, Jersey Collegians; 7, Norbert Lusk, movie sidelight.

WGCP, New York, N. Y. (252m-1190kc), 3 p. m., Lillian Rubin, pianist; 3:20, Bobby Grey, singer; 3:45, Tracey and Mokr; 4:30, Jeanne A'Dair, soprano; 5:10, Charlotte Trystwann, concert pianist; 7, Clarence Williams, trio; 7:25, Charles Coleman, pianist; 7:45, program.

WGHB, Clearwater, Fla. (266m-1130kc), 6:30-7:30 p. m., dinner music; 8:30-9:30, Earl Gresh and his Gang Plank, Columbia Recording orchestra; Frank Wilson, tenor; 11:45-1 a. m., Radio Ramblers midnight frolic.

WGHP, Detroit, Mich. (270m-1110kc), 6-7 p. m., dinner concert, Hotel Tuller; 7:40-7:50, children's evening chat; 8-10, Little symphony orchestra, Dirk Van Emmerik, conductor; Mme. Gizi Szanto, pianist; quartet; 12-1 a. m., Gerald Marks and his orchestra, Hotel Tuller, assisting artists.

WGR, Buffalo, N. Y. (319m-940kc) 2:30 p. m., WGR's afternoon program; 6:30, Gospel melodists; 8, Audubon Terrace Meadow Larks; 8:30, jointly with WEAF, Davis saxophone octet; Ipana troubadours; 10, program, E. A. Wills Wallpaper company; 10:30, Mrs. Vernon Curtis in variety program; 11:30, Leola Nease Vickers, contralto, and associate artists; 12, Club Royale orchestra; 1 a. m., special all-night frolic program, including the Vincent Lopez Hotel Statler dance orchestra, Harold Gieser, director, and other star performers, lasting until 4:30 a. m.

WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., children's program; 7, Eastman theater orchestra; 8:05, musical program, WHAM.

WIP, Philadelphia, Pa., (508.2m-590kc), 6:45 a. m., setting-up exercises; 7. setting-up exercises; 10, reducing exercises; 1 p. m., Gimbel tea room orchestra; 3:15, recital, Montani studio; Flora Ripka, accompanist; 6:05, Benjamin Franklin concert orchestra; 7, Uncle Wip's bedtime stories; DeCollibris Instrumental quartet.

WJAX, Jacksonville, Fla. (336.9m-890kc), 3:30 p. m., Hemming park band concert, Vessella's band, Oreste Vessella, conductor; 7:30, music memory contest; 8-10, popular program.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Jean Goldkette's Symphony orchestra, soloists; 9, Winter Haven, Fla., Radio hour; 11:30, "The Merry Old Chief" and his "Jewett Radio Jesters."

WKAQ, San Juan, P. R. (340.7m-880kc), 6-8 p. m., municipal band.

WLIT, Philadelphia, Pa., (394.5m-760kc), 12.02 p. m., daily almanac; Stanley theater organ recital; religious service; Arcadia cafe concert orchestra; 2, Arcadia cafe concert orchestra; 7:30, Dream Daddy's bedtime stories; 8, recital; 10, Arcadia cafe dance orchestra; 10:30, Dickerson's society orchestra.

WLWL, New York, N. Y. (288.3m-1040kc), 9:15 p. m., entertainers; 9:45, McEvoy concert; 10:30 p. m., music and songs.

WMCA, New York City, N. Y. (340.7m-880kc), 6 p. m., Olcott Vail and his Hotel McAlpin string ensemble; 6:30, Ernie Golden and his Hotel McAlpin orchestra; 7:45, Woodmansten Inn orchestra; 8:20, talk on securities; 9, Coughlan & company entertainers; 11, Hofbrau Haus entertainers; 11:30, Jack Benny's orchestra.

WMAK, Buffalo, N. Y. (266m-1130kc), 7:30-10 p. m., musical program.

WMBF, Miami Beach, Fla. (384.4m-780kc), 7-9 p. m., Fleetwood Radio orchestra; 10-1 a. m., Gene Fosdick and his orchestra; Fleetwood Radio orchestra.

WNYC, New York, N. Y. (526m-570kc), 5:45 p. m., Agnes Vernon's Juveniles; 6:20, piano selections; 6:30, elementary and advanced Spanish lessons, V. H. Berlitz; alarms; 7:35, dance program; 8:30, instrumental novelty; 9, joint song recital; 9:30, stringed trio.

WOO, Philadelphia, Pa., (508.2m-590kc), 11 a. m., organ recital; 12:02 p. m., Golden's crystal tea room orchestra; 4:45, organ recital; 7:30, Hotel Sylvania dance orchestra; 8, Chamber musicale; 8:30, Davis saxophone octet; 9, concert; 10. Fox theater studio program; 10:30, Ritz Carlton dance orchestra.

WOR, Newark, N. J. (405.2m-740kc), 6:30 p. m., Jacques Jacobs' Hotel Shelton ensemble; 9:30, Weehawken Elks band.

WRC, Washington, D. C. (468m-640kc), 12 n., organ recital, Gertrude Smallwood; 12:30 p. m., Lenten services, Keith's theater; 1, Lee House trio, Sam Udrin, director; 4:15, Meyer Davis Le Paradis band; 5, musical program.

WRVA, Richmond, Va. (256m-1170kc), 8:10 p. m., orchestra and special features; 9:30, Richmond musicians club program, vocal and instrumental numbers; 11, Carry Me Back to Old Virginny.

WTAG, Worcester, Mass. (268m-1120kc), 10:30 a. m., musical program; 12:05-2, noon day luncheon music, WTAG orchestra, Will Hardy, director; 3-4:45, Tea Dansant music, WTAG orchestra; 7:15, "The Twinkle Twinkle Story Teller"; 8:30-9, Davis Saxophone Octet, WEAF; 10-11, Roxy and his Gang, WEAF.

WTAM, Cleveland, Ohio (389.4m-760kc), 6-7 p. m., Royal Canadians; 8-11, city of Cleveland program; 11-1 a. m., Royal Canadians.

WTIC, Hartford, Conn. (475.9m-630kc), 6:30 p. m., Hotel Bond trio; 8, Hartford Saengerbund concert; 8:30, Genevieve Rose Faust, soprano; 9:15, Laura C. Gaudet, pianist; 9:30, Esther A. Nelson, organist; 10-11, dance music.

WWJ, Detroit, Mich. (352.7m-850kc), 7:30-8 a. m., setting-up exercises; 9:30, "Tonight's dinner"; 12:05, Jules Klein's Hotel Statler orchestra; 3, Detroit News orchestra; 6, dinner concert; 8, News orchestra and soloists; 9, dance program; 10, Roxy and his gang.

Central Time Stations

CKY, Winnipeg, Can. (384.4m-780kc), 7:30 p. m., Canadian National Railway's program, Ft. Garry hotel.

CNRW, Winnipeg, Can. (384.4m-780kc), 7:30 p. m., bedtime story, Aunt Grace; 7:50, musical program, Ft. Garry hotel, Irvine Plumm and his orchestra; 8:45, studio program, brass band, Bandmaster J. T. Cocking, director; F. H. Hughes, baritone; 10, supper-dance program, Irvine Plumm and his Ft. Garry hotel orchestra; Al Kilgour, soloist.

KFKX, Hastings, Nebr. (288.3m-1040kc), 12:50, musical program, Hotel Clarke studio; 5:30, dinner concert relay, KDKA; 9, musical program, Sinfonia fraternity.

KFNF, Shenandoah, Ia. (263m-1140kc), 7 p. m., concert, Henry Field Seed company.

KMOX, St. Louis, Mo. (280.2m-1070kc), 12:30 p. m., organ recital, Arthur L. Utt; 3, string ensemble music with soloists; operalogue, "Marriage of Figaro"; 4, string ensemble music with soloists; 6, organ recital, Arthur L. Utt; 7, little symphony, David Bittner, conductor; Opal Sweagea, soloist; 8, little symphony; Margaret Chapman Byers, oratorio and sacred selections with organ accompaniment; 9, little symphony; Alfred L. Schmied, pianist; 10, popular selections.

KPRC, Houston, Tex. (296.9m-1010kc), 12 noon, Lions' club luncheon program, I. C. Timmins; 5:30 p. m., Uncle Judd's kiddies' hour; 7:30, Fatty Martin's End O'Maine dance orchestra; 8:30, Rice Institute band, 60 pieces, Lee Chatham, director; 11, Palace theater orchestra, Charles MacBlain, director.

KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., Hotel Statler orchestra; 8, Ipana Troubadours.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9-9:30 p. m., Salvatore Julian, trombonist; Toni Cochard, soloist, John Heyn, accompanist; grand ensemble, Lon Chassy, director; 9:30-10:15, "Old Breakdown concert," J. E. Smith and his fiddle band; 10:15-11, Southerners Majestic hotel dance orchestra.

KWWG, Brownsville, Texas (278m-1080kc), 12 noon, music; Beth Sewell, pianist.

KYW, Chicago, Ill. (535.4m-560kc), 1 p. m., Congress hotel; 6, dinner music, KDKA; 7:30, Hearst square; 8, Congress hotel concert; 10-12:30, revue; 1-2, Insomnia club.

WBAP, Fort Worth, Tex. (475.9m-630kc), 12:05-12:30 p. m., Dude Vance, pianist; 6-6:30, Chief Gonzales' Texas Hotel Royals.

WBBM, Chicago, Ill. (226m-1330kc), 4-6 p. m., Harry and Sandy; Valentino Inn orchestra; Edna Wheeler Ballard, harpist; Harold Morava, tenor; Johnny Black, Court Banks, Ralph Bottoff; 8-10, barber shop three; Sy Berg and Bob Witt; Moulin Rouge orchestra; Phillip Nilles, tenor; Rudy Winter; Floyd Falch; 12-2 a. m., Lew Russell; Charlie Garland; Two Jays, Jeske and Jordan; Harold Anderson, accordionist; Moulin Rouge orchestra; Spencer, Lavergne and Shayne, xylophone trio; Claire Matthews; Floyd Falch; Ariston trio.

WCCO, Minneapolis, St. Paul, Minn. (416.4m-720kc), 2:30 p. m., afternoon concert; 4, readers' club, Eleanor Poehler; 5:30, children's hour; 7, midweek church service, Rex. M. K. Hartman, pastor; 8, program, WEAF, Ipana Troubadours; 9, musical program, the Nash-Finch concert orchestra; 10:05, dance program, Wallie Erickson's Coliseum orchestra; 11:30, organ recital. Eddie Dunstedter.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., The Tell-me-a-story lady; The Trianon ensemble; 8-10, program; 11:45-1, Ted Weem's Victor Recording orchestra.

WEBH, Chicago, Ill. (370.2m-810kc), 7-8 p. m., Emerson Military band; 9, Oriole orchestra; 9:45, Florence Behrend, soprano; Eugenia Dolberg, pianist; 11, Oriole orchestra; Irene Beasley; Frank Bordner, revue.

WGN, Chicago, Ill. (302.8m-990kc), 10-10:15 a. m., good health period; 10:15-10:45, entertainment for shut-ins; 11-11:30, organ concert, Chicago theater, Dean Fossler; 12:01-12:30, noon hour entertainment for children; 12:40-2:30, luncheon concert music; 2:30-3, Lyon and Healy artist recital; 3:25, Port o' Missing Men; 3:30-4:15, tea time music; 4:30-5, Skeezix time; 6:30-6:45, dinner concert music; 6:45-7, old-time favorite songs; 8-9, musical program; 9-10, "Roxy" and his gang; 10-10:10, "Sam 'n Henry," Radio comic strip; 10:10-10:15, old-time favorite songs; 10:15-11, dance music, songs, Correll and Gosden, Freda Leonard and Jewell Barnett; Hawaiian guitar music, Langdon brothers.

WHAS, Louisville, Ky. (399.8m-750kc), 1-2 p. m., Barney Rapp's orchestra; 3-3:30, Mrs. Myrtle Fulks Zahn, Jr., organist; 4-5, Music Box review; 7:30-9, I. & I. orchestra; string division, K. & I. orchestra.

WHB, Kansas City, Mo. (365.6m-820kc), 2-3 p. m., ladies' hour program, Morrell Moore; 7-8, Milo Finley's trio; Walt Filkin, poet; popular songs, Wattie Watkins; Ramona Payne, pianist.

WHO, Des Moines, Ia. (526m-570kc), 2:15 p. m., Snow White, Marvel trio; 6-7, Bankers Life little symphonic orchestra; 7-7:15, Uncle Dutch stories; 7:15-8:15, Irene Doran and her little symphony orchestra; 8:15-9, Harry Lewis; Norman Broholm, pianist; Kate Miller, whistler; Maude Hughes, accompanist; artists, Capitol theater; 9-12, dance program.

WIBO, Chicago, Ill. (226m-1330kc), 2-4 p. m., Shut-in program; Ted Florito, pianist; Dan Russo, violinist; Marie Tully, soprano; Wayne Meyers, reader; Connie Corwin, soprano; Russell Duke, singer; 6-8, dinner concert; old-fashioned songs; Walter Preston; WIBO string trio; Dorothy Rae, soprano; Florence Osterman, contralto; Joe North, baritone; Earl Bigelow, pianist; 10-12, popular program; open request night; Prof. Black, cryptologist; Marie Tully, soprano; Hicky and Johnson; William Molnaire, tenor; Erwin Cornelius, uke soloist; Lenore Friedman, soprano; Pearl Holzman, pianist; Irene Beasley, the Jordans.

WJAZ, Chicago, Ill. (322.4m-930kc), 9-1 a. m., Spike Hamilton's and Al Katz' opera club.

WJJD, Mooseheart, Ill. (370.2m-810kc), 12-1 p. m., Palmer house symphonic players; Palmer house trio; 2-3, Howard L. Peterson, organist; 4-5, music, children; daily assembly of 1250 children; 5:30-7, Jack Nelson; Palmer house symphonic players; Howard L. Peterson, organist; Palmer house Victorians; 8-9, music, children; 10-11, Garod studio; R. V. Thomas; John Norton; Palmer House Victorians; 12:30, Garod studio; Palmer House Victorians; Jack Nelson.

WKAF, Milwaukee, Wis. (261m-1150kc), 10-11 p. m., Campus Skylarks; Al Buech, sax soloist.

WLIB, Chicago, Ill. (302.8m-990kc), 7-8 p. m., musical program; 11-1 a. m., dance music, songs, Correll and Gosden; Hawaiian guitar music. Langdon brothers.

WLS, Chicago, Ill. (344.6m-870kc), 6 p. m., WLS trio; 6:40, Ralph Emerson, organist; 7, Ford and Glenn; 7:20, WLS trio; 8:30, "Our Dallas Trip," Ford and Glenn; 9:30, Jaysee male quartet; 10, Nadel's Hawaiian quintet; 10:30, Tony Corcoran, baritone; 11, WLS circus.

WLW, Cincinnati, Ohio (422.3m-710kc) 7:30 a. m., healthful exercises, William Stradtman, physical department, Y. M. C. A.; 8, morning devotions, auspices of Parkway Y. M. C. A.; 12:05 p. m., musical novelties, Irene Downing, player-roll artist; 4, Shut-In program, directed by William Duning; 7, dinner hour concert, Hotel Gibson, orchestra directed by Robert Visconti; 7:30, address, a representative of the Ohio Farm Bureau federation; 10, concert, Sigma Alpha Iota sorority, Cincinnati conservatory of music; 11, Crosley male quartet; 11:20, Crosley musical news, Johanna Grosse, editor and organist.

WMAQ, Chicago, Ill. (447.5m-670kc), 1 p. m., Chicago Association of Commerce luncheon; 2, shut-in program; 4:45, pupils, Cosmopolitan School of Music; 5:15, Georgene Faulkner; 6, Chicago theater organ; 6:30, Hotel LaSalle orchestra; 8:35, Marie Sidinius Zendt, soprano; 9, WMAQ players.

WMBB, Chicago, Ill. (250m-1200kc), 7-8 p. m., Trianon duo; Eleanor Kaplan, violinist; Edwin House, baritone; Preston Graves, pianist; 9-11, Trianon orchestra; Dell Lampe; Woodlawn theater orchestra; Walter Kippa, Cecil and Esther Ward, Hawaiian guitar artists; Bille Allen Hoff; Kreuger and Delleon, banjoists; Ted and Ned, harmony duo.

WOAI, San Antonio, Texas (394.5m-760kc), 3 p. m., Radio Trades association concert; 8:30, army night program.

WOAW, Omaha, Nebr. (526m-570kc), 12:45 p. m., Phyllis Griswold, organist; 4:10, Feierman and Abbott.

WOC, Davenport, Ia. (483.6m-620kc), 4-4:45 p. m., Helen Hughes and her Blackhawk hotel; 5:45-6, chimes; 9-9:30, Erwin Swindell, organist; 9:30-10:30, Augustana college.

WORD, Batavia, Ill. (275m-1090kc), 7-7:45 p. m., program, the North Shore Line; 7:45-8, "The Harp of God"; 9, Webster hotel trio, I. B. S. A. choral singers; 11-12, program.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Gardens orchestra; Dorothy Paxton, girl baritone; Jean St. Anne, baritone; Christian A. Grimm, pianist; Jessie Pringle, pianist; Agnes Pringle, violinist; 10-1, Rainbo Skylarks; Melodians; Clarence Theders, tenor; Joe Warner, character songs; George Thurn, kazoo; Oxford girls; J. Edwin Peterson, bass; 1-2, Ginger hour.

WSAI, Cincinnati, Ohio (325.9m-920kc), 7:30 p. m., Davis Saxophone octet; 8, Ipana Troubadours; 10:15, Congress Playing Card string quartet.

WSB, Atlanta, Ga. (428.3m-700kc), 10:45 p. m., Biltmore hotel orchestra.

WSM, Nashville, Tenn. (282.8m-1060kc), 6:30 p. m., Francis Craig's orchestra; 7, WSM bedtime story; 8, Mrs. Daisy Hoffman, pianist; Mrs. Robert Luck, violinist; 10, Shriners.

WSMB, New Orleans, La. (319m-940kc), 9:30-12:30 p. m., Gallo instrumental quartet; Paul Jacobs quartet; solos.

WSOE, Milwaukee, Wis. (246m-1220kc), 5:30 p. m., twilight musical; children's stories; Olga LaBelle, pianist; "Candygram" entertainers; musical selections, John H. Brown, basso; Mary Heimlich, pianist; H. H. Hague, baritone; J. R. Hickman, one man band.

WSUI, Iowa City, Iowa (483.6m-620kc), 9 a. m., High School assembly program; 12:30 noon, music; 7:30 p. m., College of the Air.

Mountain Time Stations

KOA, Denver, Colo. (322.4m-930kc), 12:15 p. m., Marjorie Nash, organist; 6:30, Brown Palace string orchestra; 8, Scheuerman's Colorado orchestra; 8:15, Pi Kappa Delta studio program, Colorado Teachers' college male quartet; Carl Crist, baritone; Alexander Emslie, bass; J. Allen Grubb, tenor; Dorothy Becker, soprano; instrumental solos, Editha Todd, Clarence James, violinists; Lester Todd, cellist; Clarence James, violinist; Lester Opp, cellist; Louis Jones, pianist, four-violin ensemble, Edith Todd, Dorothy Milne, Myrna, Louise Snyder, Violet Finely; KOA orchestra; Colorado Teachers' college instrumental trio; 10-12, Broadmoor Rhythm Rustlers.

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 5:30-6 p. m., Oriole dance orchestra; 6, nightly doings; 6:15, KFI's Seeing California; 6:30, vest pocket program; 6:45, Radiotorial period; 7, Nick Harris' detective story; 7:20-8, dance music; 8-9, program, Ventura Refining company; Ventura string quartet; 9-10, program, Chevrolet Motor company, Chevrolet ensemble; 10-11, Patrick-Marsh dance orchestra, Betty Patrick, soloist.

KFON, Long Beach, Calif. (232.4m-1290kc), 6-6:30 p. m., Brayton's theater organ; 6:30-7, amusement information; 7-8, Lulu Burnham entertainers; 8-9, Press-Telegram studio; 9-10, program, Sam Abrams, the tailor; 10-11, Oriole dance orchestra.

KFWB, Hollywood, Calif. (252m-1190kc), 5-6 p. m. children's hour, Big Brother of KFWB; 8-9, program, John Wright, The Right Tailor; John Wright orchestra, Sol Hoopii's Hawaiians, Frank Stever, baritone, Esther White, blues singer; 9-9:30 p. m., Bill Hatch and his Oakmont Country club dance orchestra; 9:30-10 p. m., Mutual Motors mirth contest; 10-11, Warner Brothers frolic, direction Charlie Wellman.

KGO, Oakland, Calif. (361.2m-830kc), 7:15-7:30 a. m., health training exercises, Hugh Barrett Dobbs, William H. Hancock; 7:45, Pep class; 8:15-8:30, exercises; 11:30-1 p. m., Sherman, Clay and company luncheon concert; 3-4 p. m., Beulah Masterson, soprano; Jack Holworthy, tenor; LaLoie Carew, soprano; 4-5:30, concert orchestra, Hotel St. Francis, Vinton LaFerrera, conductor; 5:30, Mr. Fix-it; 6-6:55, Brokaw and his orchestra.

KGW, Portland, Ore. (491.5m-610kc), 7:15 a. m., health exercises; 12:30-1:30 p. m., concert; 8-9, concert; 9-10, concert, 10-11, concert.

KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., history story, Prof. Hertzog; Dick Winslow, juvenile reporter; Vivian Marple, Mickey McBan, screen juveniles; 8, lecture on astronomy, Dr. Mars Baumgardt; 8:30-10:30, Oscar Seiling symphony orchestra.

KMTR, Hollywood, Calif. (238m-1260kc), 8-10 p. m., KMTR concert orchestra, Loren Powell, directing; 10-11, Starr Piano company studio. Sunny Jim's talk; 5:30-6, Leighton's Arcade cafeteria orchestra; 6, Town Tattler; 6:15, travel talk, W. F.

KNX, Hollywood, Calif. (336.9m-890kc), 5-5:30 p. m., Alder; 6:30-7, Atwater Kent concert orchestra; 7-8, feature program; 8-9, program, Security Trust and Savings bank; 9-10, program, John A. Vaughn corporation; 10-11, dance music; 11-12, Ray West's Cocoanut Grove dance orchestra from Ambassador hotel.

KOAC, Corvallis, Ore. (280.2m-1070kc), 7:20 p. m., musical selections.

KPO, San Francisco, Calif. (428.3m-700kc), 7, 7:30, 8 a. m., daily dozen exercises; 12, scripture reading; 1-2, Rudy Seiger's Fairmont hotel orchestra; 2:30-3:30, program, James Lono's Hawaiians; 5:15-6:15, children's hour stories; 6:40-7, Waldemar Lind and the States Restaurant orchestra.

KWSC, Pullman, Wash. (348.6m-880kc), 7:30-9 p. m., Phi Epsilon steel guitar quartet; Vincent Hiden, cellist; Esther Olsen, reader.

Thursday, February 25

Headliners Today

Eastern	Central	Mountain	Pacific	
5 p. m.	4 p. m.	3 p. m.	2 p. m.	KYW (535.4m-560kc) Wendell Hall, Red-Headed Music Maker
8:30	7:30	6:30	5:30	WBAP (475.9m-630kc) Harmony club.
8:45	7:45	6:45	5:45	WIP (508.2m-590kc) Institute of Musical Art.

NEWS BULLETINS

Daily Except Sunday

Eastern	Central	Mountain	Pacific	
9:45 a. m.	8:45 a. m.	7:45 a. m.	6:45 a. m.	KDKA (309.1m-970kc).
10	9	8	7	WGN (302.8m-990kc).
10:35	9:35	8:35	7:35	WCCO (416.4m-720kc).
11	10	9	8	WOAI (394.5m-760kc).
12 n.	11	10	9	CFCA (356.9m-840kc); KDKA (309.1m-970kc); KPRC (296.9m-1010kc).
12:30 p. m.	11:30	10:30	9:30	WCAE (461.3m-650kc).
1	12 n.	11	10	KGW (491.5m-610kc); KNX (336.9m-890kc).
1:15	12:15 p. m.	11:15	10:15	WOAI (394.5m-760kc).
3:45	2:45	1:45 p. m.	12:45 p. m.	WHAS (399.8m-750kc).
4	3	2	1	WCX (516.9m-580kc).
4:30	3:30	2:30	1:30	WCAE (461.3m-650kc); WFAA (475.9m-630kc).
6	5	4	3	CFCA (356.9m-840kc).
6:30	5:30	4:30	3:30	WPG (299.8m-1000kc).
7	6	5	4	KOIL (278m-1080kc); WOC (483.6m-620kc).
7:15	6:15	5:15	4:15	WMAK (265.6m-1130kc); WOAI (394.5m-760kc).
8	7	6	5	WMBF (384.4m-780kc); WMCA (540.7m-880kc).
9	8	7	6	WSAI (325.9m-920kc).
9:30	8:30	7:30	6:30	KPO (428.3m-700kc).
10	9	8	7	KLX (508.2m-590kc).
10:45	9:45	8:45	7:45	WEBH (370.2m-810kc).

Sunday

Eastern	Central	Mountain	Pacific	
8 p. m.	7 p. m.	6 p. m.	5 p. m.	WMAK (265.6m-1130kc).
8:15	7:15	6:15	5:15	WEBH (370.2m-810kc).
9	8	7	6	WPG (299.8m-1000kc).
12	11	10	9	KFWB (252m-1190kc).

KYW, "The World Crier," broadcasts news every half hour from 8 a. m. to 2 a. m.

Eastern	Central	Mountain	Pacific	
9 p. m.	8 p. m.	7 p. m.	6 p. m.	KDKA (309.1m-970kc) Glee club, Tamburitza orchestra. WBZ (333.1m-900kc) Second Anniversary program. WJZ (454.3m-660kc), WGY (379.5m-790kc), Royal hour.
9:45	8:45	7:45	6:45	WMC (499.7m-600kc) Cortese ensemble.
10:15	9:15	8:15	7:15	KTHS (374.8m-800kc) Spanish classics.
11	10	9	8	KGO (361.2m-830kc) "Richelieu," 5-act play. KHJ (405.2m-740kc) Collegiate night. KPO (428.3m-700kc) Radio Eight symphony. KYW (535.4m-560kc) Wendell Hall.
12	11	10	9	WGCP (252m-1190kc) At Home party.

Thursday, silent night for: CHIC, CKNC, CNRA, CNRE, CNRO, CNRR, CNRT, CNRV, CNRW, KFAB, KFAU, KFDM, KFEQ, KFMX, KFOA, KFUO, KFVE, KFWA, KGW, KLX, KMOX, KOA, KOAC, KOB, KWSC, PWX, WABQ, WAFD, WAHG, WCAP, WCEE, WDOD, WEAO, WEBJ, WEBW, WHAD, WHAZ, WJJD, WOAI, WOR, WOS, WSM, WSUI, WTAM.

Eastern Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 12:20 p. m., Trinity church lenten service; 6:30, KDKA Little symphony orchestra; 8:30, Frederic Francois Chopin, Richard Kountz, KDKA Little symphony orchestra; 9, American Croation glee club; Tamburita orchestra; 11, concert.

WAHG, Richmond Hill, N. Y., (315.6m-950kc), 12:03 p. m., Grebe matinee trio.

WBAL, Baltimore, Md. (246m-1220kc), 6-6:30 p. m., children's program, Hazel Knox; 6:30-7:30, dinner program, WBAL orchestra, Robert Iula, conductor; 7:30-8, organ recital, Frederick D. Weaver; 8-10, musical program; Elizabeth Stidman, soprano; Gordon Phillips, tenor; mixed quartet; Clara Ascherfeld, pianist; Helene Broemer, cellist; Celia Brace, violinist.

WBZ, Springfield, Mass. (333.1m-900kc), 6:30 p. m., orchestra, KDKA; 7, Hotel Kimball dance orchestra; 8, Leo Reisman's orchestra; 9, program, second anniversary of WBZ, theatrical stars, WBZ concert company; Arthur Clifton, organist.

WCAU, Philadelphia, Pa., (277.6m-1080kc), 6:30 p. m., Cathay Tea Garden orchestra; 7:30, Snellenburg symphony orchestra; 8, The Mitchell Gondolier; 8:15, Elisabeth Papetina, coloratura soprano; 8:45, The Kandy Kids; 9, Barry O'Moore, Irish tenor; 9:30, The Musical Chefs; 9:45, swimming lessons; 10, Sesqui-Centennial Hour; 11, Parodians dance orchestra; 11:30, Club Cadiz revue.

WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., dinner program, Goldkette ensemble; 8-9, program.

WEAF, New York, N. Y. (491.5m-610kc), 6:45-7:20 a. m., Tower health exercises to WEAF, WEEI, WCAP; 7:45-8:00 a. m., morning prayer services, Greater New York Federation of Churches; 11, Vivian Sherwood, contralto; 4 p. m., Riva Madannes, soprano, 4:15, Regina Besner, pianist; 4:30, Edgar M. Cruen, baritone; 4:45, talk; 5, Vincent Lopez and his orchestra from Tea room of Ritz Carlton hotel; 6, dinner music, Rose room of Hotel Waldorf-Astoria; 7, midweek hymn singing, Greater New York Federation of Churches; 7:30, the Smith Brothers; 8, the Larkinites, WEAF, WEEI, WGR, WWJ, WFI, WTAG, WOC, WCCO, KSD, WCAE, WEAR; 8:30, Hires Harvesters, WEAF, WEEI, WFI, WCAE, WLIB, WSAI, WWJ; 9, Clicquot Club Eskimos, WEAF, WEEI, WJAR, WTAG, WFI, WCAE, WSAI, WEAR, WGR, WWJ, WOC, WCCO, KSD, WGN; 10, Goodrich Silvertown Cord orchestra, WEAF, WEEI, WCAE, WJAR, WFI, WGN, WGR, WWJ, WTAG, WOC, WCCO, KSD, WSAI, WADC; 11-12, Vincent Lopez and orchestra from Casa Lopez.

WEAO, Columbus, Ohio (293.9m-1020kc), 1:15 p. m., M. Robert Coleman, pianist; 8:15, music; 10, Hotel Fort Hayes hour of music.

WEAR, Cleveland, Ohio (389.4m-770kc), 7 p. m., Hotel Statler concert orchestra, Maurice Spitalny; 8, Larkinite Four, WEAF; 8:30, Workrite Radio artists; 9, Clicquot club, WEAF; 10, Vincent Percy organ recital, artists.

WEEI, Boston, Mass. (348.6m-860kc), 6:45 a. m., health exercises; 3 p. m., Lou Klayman and his orchestra; 4, St. Regis orchestra; 5:30, Harry Marshad and his orchestra; 6:45, Big Brother club; 7:30, Gevot Monteith soprano; 8, Larkinites, WEAF; 8:30, Hire's Voyageurs, WEAF; 9, Clicquot club entertainers, WEAF; 10, Silvertown Cord orchestra.

WFI, Philadelphia, Pa., (394.5m-760kc), 1 p. m., luncheon, Penna. Council of Republican Women, Nicholas Longworth, speaker of the U. S. Senate, principal

KGO PLAYERS TO GIVE "RICHELIEU"

Thursday, February 25

speaker; 6:30, Bellevue Stratford concert orchestra; 7, Bellevue dance orchestra, club program, direction Modern Club of Philadelphia; 8, The Larkinites; 8:30, Hires' Harvesters; 9, Clicquot Club Eskimos; 10, Goodrich Silvertown Cord orchestra.

WGBS, New York, N. Y. (315.6m-950kc), 1:30 p. m., Ramblers trio; 3, Prudence Penny's N. Y. American, Women in the Home; 3:15, hour with Renee Schimmell; 6, Uncle Geebee; 6:30, Perner-Stark orchestra; 6:40, Arthur Murray; 7, The Independent Magazine; 7:30, Ruth Maschke, soprano; 7:40, Erna Korn, contralto; 7:50 p. m., Irving Argay, concert violin; 8:30 Oliver Sayler, book and play review; 9, Crystal Palace orchestra; 9:30, Old Time Minstrels; 10:30, Vanderbilt hotel orchestra.

WGCP, New York, N. Y. (252m-1190kc), 3 p. m., Elvira Rosa Geiger, pianist; 3:20, Osborne and Tucker; 3:45, Davis and Gallasi; 4:45, Ernest Helm, violinist; Charlotte Solisburg, singer; 5:10, Sylvia Schatz, pianist; 10:30, Irving Feistenberg, pianist; 11, Piotti and Val, songs; 11:30, Strickland's orchestra; 12, at home party.

WGHB, Clearwater, Fla. (266m-1130kc), 6:30-7:30 p. m., dinner music; 8:30-9:30, Bill Ewin, tenor; L. W. Joy, accompanist; 11:45-1 a. m., Radio Ramblers midnight frolic.

WGHP, Detroit, Mich. (270m-1110kc), 6-7 p. m., dinner concert, Hotel Tuller; 7:40-7:50, children's evening chat; 10-11, Skylark dance band and entertainers; 11-12, frolickers; 12-1 a. m., Gerald Marks and his orchestra.

WGR, Buffalo, N. Y. (319m-940kc), 2:30 p. m., WGR's afternoon program; 6:30, Vincent Lopez Hotel Statler dance orchestra, Harold Gieser, director; 8, jointly with WEAF, the Larkinites; 9, jointly with WEAF, Clicquot Club Eskimos and the Silvertown Cord orchestra.

WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., Ten Eyck concert trio; 7:45, Syracuse university program; 9, Royal hour, WJZ; 10, WGY orchestra; Marie Bernstein, soprano; 11:30, Stephen E. Boisclair, organist.

WHAR, Atlantic City, N. J. (275m-1090kc), 2 p. m., Seaside hotel trio; 7:30, lecture period; 8, Seaside hotel trio; 9, studio concert; 11:30, dance orchestra.

WHN, New York City, N. Y. (361.2m-830kc), 12:30-1 p. m., Lexington organ recital; 3:15-4:30, Lexington orchestra; Treasure land neighbors; 7, Iceland orchestra; 8, Will Oakland's Chateau Shanley; 10:30, Kentucky club orchestra; 11, Joe Ward's Swanee entertainers; 11:30, Everglades orchestra; 12, Parody club orchestra.

WIP, Philadelphia, Pa., (508.2m-590kc), 6:45 a. m., setting-up exercises; 7, setting-up exercises; 1 p. m., Gimbel tea room orchestra; 3, Albert Mahler, tenor; Charles Friedin, violin and saxophone; Langdon Stewart, pianist, Flora Ripka, accompanist; 6:05, Pagoda cafe orchestra; 7, Uncle Wip's bedtime stories; Dennis Sullivan, whistler; 8, "The Sesqui-Centennial," talk by Harry A. Mackey; 8:15, United Synagogue radio service; 8:45, recital, Institute of Musical Art, Ben Stad, director; 10:15, Nelson Napes and his S. S. Leviathan orchestra.

WJAX, Jacksonville, Fla. (336.9m-890kc), 3:30 p. m., Hemming Park band concert, Vessella's band, Oreste Vessella, conductor; 7:30, music memory contest; 8-9, classical recital; 11-12, popular program.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Jean Goldkette's Symphony orchestra; soloists; 9, Jean Goldkette's serenaders; soloists; 10, Jean Goldkette's Victor Recording orchestra.

WKAQ, San Juan, P. R. (340.7m-880kc), 6-8 p. m., Rialto theater musicale.

WLIT, Philadelphia, Pa., (394.5m-760kc), 12:02 p. m., daily almanac; Stanley theater organ recital; Arcadia cafe concert orchestra; 2, Arcadia cafe concert orchestra; 4:30, recital; 7:30, Dream Daddy's bedtime stories.

WLWL, New York, N. Y. (288.3m-1040kc), 9:00 p. m., book, Rev. Jos. McGorley; 9:15, Rhea Leddy and William Flusk; 9:30, question box; 10:00, Rhea Leddy and William Flusk.

WMAK, Buffalo, N. Y. (266m-1130kc), 6:15-7:15 p. m., dinner music.

WMBF, Miami Beach, Fla. (384.4m-780kc), 7-9 p. m., Fleetwood Radio orchestra; 10-1 a. m., Gene Fosdick and his orchestra; Fleetwood Radio orchestra.

WMCA, New York City, N. Y. (340.7m-880kc), 6 p. m., Olcott Vail and his Hotel McAlpin string ensemble; 6:30, Woodmansten Inn orchestra; 7, Jack Denny's orchestra; 7:30, Pace Institute program; 7:45, Tyrrell health talk; 8, Snedden Weir, baritone; 10:30, Jack Smith, whispering baritone; 11, Ernie Golden and his Hotel McAlpin orchestra; 12 mid., Broadway night.

WNYC, New York, N. Y. (526m-570kc), 7 p. m., market high spots; 7:10, dance program; 7:35, A. Wayne, popular songs; 7:45, dance program; 8:30, German Irving Place theater ensemble; 9:30, Instrumental trio.

WOO, Philadelphia, Pa. (508.2m-590kc), 11 a. m., organ recital; 12:02 p. m., Golden's crystal tea room orchestra; 4:45, organ recital; 7:30, Adelphia dance orchestra.

WPG, Atlantic City, N. J. (299.8m-1000kc), 1:30 p. m., Hotel Morton luncheon music; 4:30, Chalfonte-Haddon Hall afternoon tea music; 6:45, Arthur Scott Brook, organist; 7, Hotel Ambassador dinner music; 8:15 concert, Atlantic City Board of Education; Royal P. MacLellan, tenor; Marushka Konrad, pianist; 10, Atlantic City Estates dance orchestra; 11, Eddie McKnight's dance orchestra.

WRC, Washington, D. C. (468m-640kc), 12 noon, organ recital; 12:30, Lenten services, Keith's theater; 1 p. m., Hotel Mayflower orchestra, Arsenio Ralon, director; 7, New Willard hotel orchestra, Samuel Korman, director; 8, concert, U. S. Army band, Capt. Wm. J. Stannard, WJZ; 8:30, Radio-movie presentation; WJZ; 9, Royal Salon orchestra, WJZ; 10:15, The Record Boys, WJZ; 10:30, Meyer Davis' Swanee orchestra; 11:30, organ recital, Otto F. Beck.

WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., Speed-Wagon serenaders; Gold Standard ensemble; 8:15, Reo Broadcasting orchestra; Reo string quartet; Leland C. Cooke, clarinetist; Accelerator male quartet.

WTAG, Worcester, Mass. (268m-1120kc), 10:30 a. m., musical selections; 12:05-2, noon day luncheon, WTAG orchestra, Will Hardy, director; 4:30, entertainment; 5:15, "The Twinkle Twinkle Story Teller"; 8-8:30, "The Larkinites," WEAF; 9-10, Clicquot Club Eskimos, WEAF; 10-11, Goodrich Silvertown Cord orchestra, WEAF.

WTAM, Cleveland, Ohio (389.4m-760kc), 6-7 p. m., Hotel Hollenden orchestra.

WTIC, Hartford, Conn. (475.9m-630kc), 6:50 p. m., Hotel Bond trio.

WWJ, Detroit, Mich. (352.7m-850kc), 9:30 a. m., "Tonight's dinner"; 12:05, Jules Klein's Hotel Statler orchestra; 3, Detroit News orchestra; 6, dinner concert; 8, concert, WEAF.

Central Time Stations

CKY, Winnipeg, Can. (384.4m-780kc), 10 p. m., dance program, Cliff Menzies and his collegians.

KFKX, Hastings, Nebr. (288.3m-1040kc), 5:30 p. m., dinner concert relay, KDKA; 7:30, musical program.

KFNF, Shenandoah, Ia. (263m-1140kc), 7 p. m., old-time fiddling, Dearborn, Mo., Ed. Sanders, director.

KMOX, St. Louis, Mo. (280.2m-1070kc), 12:30 p. m., organ recital, Arthur L. Utt; 3, string ensemble music with soloists; Mrs. James Burgin, violinist; 4, string ensemble music with soloists.

KOIL, Council Bluffs, Ia. (278m-1080kc), 6:30 p. m., Art Marr's Imperial dance orchestra; regular dinner program; 7:30, Sleepy Time Girl, Bernice Clizbe, conductor; 7:30, program, The Omaha Conservatory of Music; 11, hotsy-totsy hour; Al Reese and his Broadway orchestra.

KPRC, Houston, Tex. (296.9m-1010kc), 12 noon, Optimists' club luncheon program, Jerry Mitchell, president; 5:30 p. m., Uncle Judd's kiddies' hour; 7:30, Blanchard's dance orchestra; 8:30, Aeolian string quartet, Cedric Seaver, conductor; 9, Mr. and Mrs. H. T. Huffmaster, baritone and dramatic soprano.

KSD, St. Louis, Mo. (545.1m-550kc), 6:55 p. m., WEAF chain; 7:30, Esmeralda Berry Mayes, pianist; 8, WEAF chain.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9-9:15 p. m., Eastman hotel string quartet; 9:15-9:40, Spanish classics, Eastman Eight, Jack Lube, director; 9:45-10:15, New Arlington hotel dance orchestra, Lon Chassy, director; 10:15-10:45, piano specialties, Elmer Menard.

KWWG, Brownsville, Texas (278m-1080kc), 12 noon, music; 8:30 p. m., classical program; E. C. Toothman, baritone; Mrs. Harry Faulk; Juanita Boory and the Skipper; John Callahan, cornet solos; Mrs. Kowalski, pianist.

WCBD, Zion, Ill. (344.6m-870kc), 8 p. m., Mr. Barton, Mrs. Thomas; Mark Whiteside, baritone; Mrs. J. D. Thomas, soprano; M. P. Bartone, tenor.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 12 m., concert, Donaldson's orchestra; 2, among the musicians, H. A. Bellows; 4, readers' club, Eleanor Poehler; 5:30, children's hour; 7, program, WEAF, The Larkinites; 7:30, musical program; 8, program, WEAF; 8-9, Clicquot Club Eskimos; 9-10, Goodrich Silvertown Cord orchestra; 10:20, dance program, Emmet Long's Golden Pheasant orchestra.

WDAF, Kansas City, Mo. (365.6m-820kc), 3:30-4:30 p. m., the Star's string orchestra; 6-7, the Tell-me-a-story-lady; The Trianon ensemble; 11:45-1, Ted Weem's Victor Recording orchestra; Ted Meyn, organist; Billy Adair's orchestra.

WEBH, Chicago, Ill. (370.2m-810kc), 7 p. m., Oriole orchestra; 8, special recital; 9, Oriole orchestra; 9:45, Belle Forbes Cutter, soprano; Ruth Buhl Flick, reader; 11, Oriole orchestra; 12:30, Belle Forbes Cutter, soprano; Ruth Buhl Flick, reader; Rita McFawn, Mary Bieber.

WGES, Chicago, Ill. (250m-1200kc), 5-7 p. m., pipe organ, piano, bass and tenor solos; 8-9, orchestra, vocal, pipe organ selections; one-act playlet; 11-1 a. m., Coyne Serenaders, artists, features.

WGN, Chicago, Ill. (302.8m-990kc), 10-10:15 a. m., good health period; 10:15-10:45, entertainment for shut-ins; 11-11:30, morning organ concert, Chicago theater, Dean Fossler; 12:01-12:30 p. m., noon hour entertainment for children; 12:40-2:30, luncheon concert music; 2:30-3, Lyon & Healy artist recital; 3:25, Port o' Missing Men; 3:30-4:15, tea time music; 4:30-5, organ recital, Edward Benedict; 5:30-5:57, Skeezix time; 6:30-6:45, dinner concert music; 6:45-7, old-time favorite songs; 8-9, Clicquot Club Eskimos; 9-10, Silvertown Cord orchestra; 10-10:10, "Sam 'n' Henry," Radio comic strip; 10:10-10:15, old-time favorite songs; 10:15-11, dance music; songs, Correll and Gosden, Freda Leonard and Jewell Barnett.

WGST, Atlanta, Ga. (270m-1110kc), 7-8 p. m., Mrs. Samuels L. Metcalf, mezzo-soprano.

WHAS, Louisville, Ky. (399.8m-750kc), 1-2 p. m., Benson trio; 3-3:30, Mrs. Myrtle Fulks Zahn, Jr., organist; 4-5, Music Box concert; 7:30-9, Zeta Chapter, Delta Omicron National Musical sorority, Angeline McCrocklin, director.

WHB, Kansas City, Mo. (365.6m-820kc), 7-7:50 p. m., dinner hour organ concert, Linwood theater; 8-9, Edith Gregg and her King Joy Low Syncopators; 9-10, string quartet.

WHO, Des Moines, Iowa. (526m-570kc), 7:30-8 p. m., Raleigh quintet; 8-9, Bankers Life trio; 11-12, Bankers Life Corn Sugar orchestra.

WIBO, Chicago, Ill. (226m-1330kc), 2-4 p. m., Shut-in program; Ted Fiorito, pianist; Dan Russo, violinist; Marie Tully, soprano; Wayne Meyers, reader; Hicky and Johnson, guitarists; Dorothy Davie Dillow, soprano; 6-8, dinner concert; songs made famous by John McCormack, Walter Preston; Helen Snyder, soprano; Harriet Hebert, contralto; William Molnaire, tenor; string trio; Chester Newman, baritone; Swedish program; 12 midnight, jamboree; Ted Fiorito, pianist; Dan Russo, violinist; Marie Tully, soprano; Wayne Meyers, reader; Henry Davis; Erwin Cornelius, uke soloist; Jack Goodman.

WJAZ, Chicago, Ill. (322.4m-930kc), 10 p. m., "H. M. S. Pinafore," Zenith Opera company.

WJJD, Mooseheart, Ill. (370.2m-810kc), 12-1 p. m., Palmer house symphonic players; Palmer house trio; 2-3, Howard L. Peterson, organist; 4-5, music, children; daily assembly of 1250 children; 5:30-7, Jack Nelson; Palmer house symphonic players; Howard L. Peterson, organist; Palmer house Victorians; 8-9, music, children; 10-11, Garod studio; Palmer house Victorians; 12:30, Garod studio; Palmer house Victorians; Jack Nelson.

WKRC, Cincinnati, Ohio (422.3m-710kc), 10 p. m., Marion McKay and his orchestra; 11, popular song review, Bert Lindsey, Merrill Schwartz, Kern Alyward, Abe Farb; 11:15, Marion McKay and his orchestra.

WLIB, Chicago, Ill. (302.8m-990kc), 7-7:30 p. m., musical program; 7:30-8, Hire's Harvesters; 11-1 a. m., dance music; songs, Correll and Gosden. Hawaiian guitar music, Langdon Brothers.

WLS, Chicago, Ill. (344.6m-870kc), 6 p. m., WLS trio; 6:40, Ralph Emerson, organist; 7, lullaby time; 7:20, "Common Sense in Music," Dr. Spaeth.

WLW, Cincinnati, Ohio (422.3m-710kc), 7:30 a. m., healthful excersises, William Stradtman, physical department Y. M. C. A.; 8, morning devotions, auspices of Parkway Y. M. C. A.; 12:05 p. m., organ concert, Mildred Prigge; 12:30, health talk, Dr. Carl A. Wilzbach, executive secretary Central Y. M. C. A.; 12:40, song, Russell (Red) Green, lyric tenor; 4, piano recital, Adelaide Apfel; 6-8:30, Golden Jubilee class 1917. Scottish Rite reunion, hotel Gibson; 10, three minute message, U. S. Civil Service department; 10, popular concert, Doherty Melody Boys, dedicated to Crosley Jobbers in the state of Alabama; 11, the Musicone male quartet; 11:15, popular dance music, Castle farm; 11:30, popular pianist, Clarence Berger; 12:15, Night Howls, Crosley Sky Terriers.

WMAQ, Chicago, Ill. (447.5m-670kc), 1 p. m., Advertising council; 2, shut-in program; 4, Illinois Federation of Women's clubs program; 4:45, pupils, Kindred Arts school; 5:15, Topsy Turvy time; 6, Chicago theater program; 6:30, Hotel LaSalle orchestra; 9:20, program, Catherine Bly Utesch, director.

WMC, Memphis, Tenn. (499.7m-600kc), 8:45, p. m., Cortese ensemble.

WOAW, Omaha, Nebr. (526m-570kc), 12:45 p. m., Gilbert Jaffy and his Little symphony; 6, entertainment; 6:20, Nanna Kea trio; 6:50, Randall's Royal Fontenelle orchestra; 9, classical; 10:30, Herb Feierman and his Omadala orchestra; 12 midnight, night watchmen jubilee.

WOC, Davenport, Ia. (483.6m-620kc), 5:45-6 p. m., chimes; 7-7:30, Larkinites, WEAF; 7:30-8, Plow Boys' quartet; 8-9, Clicquot Club Eskimos; 9-10, Goodrich Silvertown Cord orchestra; 11-12, LeClaire hotel orchestra; Peter MacArthur, baritone.

WORD, Batavia, Ill. (275m-1090kc), 8 p. m., Webster hotel concert trio; 8:15, international Sunday school lesson; 8:30, recital, Cosmopolitan school of Music.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Boston store concert trio; Clement Laskowski, tenor; 10-1, Rainbo Skylarks; Jean Carlson, soprano; Sidney Schneider, whistler; Jerry Sullivan; Rose Vanderbosch, soprano; Hal Lansing, ukulele soloist; Lew Butler, Giant of Radio Sidney Lachman, tenor; Bert Davis, Clown of the Air; Marie Pollitt; 1-2, Ginger hour.

WSAI, Cincinnati, Ohio (325.9m-920kc), 7 p. m., program; 7:30, Hires Harvesters; 8, Clisquot Club Eskimos; 9, Silvertown Cord orchestra, Joseph Knecht, director.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., Allen Nicholson union; 10:45, Dr. Charles A. Sheldon, Jr., organist.

WSMB, New Orleans, La. (319m-940kc), 9:30-11:30 p. m., Owls orchestra, Radio Revelers' orchestra; Liberty theater.

WSUI, Iowa City, Ia. (483.6m-620kc), 12:30 p. m., Mrs. Preston C. Coast, organist.

Mountain Time Stations

CNRC, Calgary, Can. (435.8m-688kc), 7 p. m., bedtime story, Aunt Mary; 9, studio program, Canadian National Railways' orchestra, Gladys Webb Foster, director; A. N. Ledger, soprano; Fred Carleton, baritone.

KFXF, Colorado Springs, Colo. (250m-1200kc), 8:30-10:30 p. m., Mrs. Maude Sanders Faust, pianist; Mrs. Daniel Thatcher, violinist; Mrs. Edward S. Zell, vocalist; George H. Hemus, bass.

KOA, Denver, Colo. (322.4m-930kc), 12:15 p. m., Rialto theater organ; 6:30, Brown Palace string orchestra.

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 5:30-6 p. m., Norman Harvey's orchestra; 6, nightly doings; 6:15, KFI's Seeing California; 6:30, vest pocket program; 6:45, Radiotorial period; 7-8, program by students, University of Southern California; 8-9, Packard Six dance orchestra; 9-10, program, Chickering hall; 10-11, popular song program.

KFON, Long Beach, Calif. (232.4m-1290kc), 6-6:30 p. m., Brayton's theater organ; 6:30-7, amusement information; 7-7:30, Moonlight serenaders; 7:30-8, Long Beach Municipal band; 8, book chat; 8:15-9, Municipal band; 9-9:30, program, Hird Typewriter company; 9:30-11, Studio program.

KFWB, Hollywood, Calif. (252m-1190kc), 8-9 p. m., Le Roy Kulberg and his banjo; Bill Blake, tenor; Hy Kasch and his dance orchestra, Lou Parker, ballads; 9-10, program, Don P. Smith, Inc., Diana-Moon dance orchestra, Sol Hoopii's Hawaiians, Ashley Sisters; 10-11, Warner Brothers frolic, direction Charlie Wellman with Charley Ilch and his Sunset Canyon Country club dance orchestra.

KGO, Oakland, Calif. (361.2m-830kc), 7:15-7:30 a. m., health exercises; 7:45, Pep class; 8:15-8:30, exercises; 11:30-1 p. m., luncheon concert; 4-5:30, Hotel St. Francis concert orchestra, Vinton LaFerrera, conductor; 5:30-6:30, "Friend to Boys," George Ludlow; 8, "Richelieu," five-act play; KGO players, Wilda Wilson Church, director; Arion trio; 10-1 a. m., Brokaw and his orchestra.

KGW, Portland, Ore. (491.5m-610kc), 12:30-1:30 p. m., concert.

KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., history story, Prof. Hertzog; Dickie Brandon, screen starlet; Joyce Coad and Uncle John; 8-10, program, Frank Meline company, collegiate night.

KMTR, Hollywood, Calif. (328m-1260kc), 5-6 p. m., home hour with Mammy Simmons and pupils of Carter Weaver; 6-7, Starr Piano company studio; 7:30, Auction by Bertie D. Hilands; 8-10, KMTR concert orchestra, Loren Powell, director; Canadian male quartet.

KNX, Hollywood, Calif. (336.9m-890kc), 5-5:30 p. m., Sunny Jim's talk; 5:30-6, Leighton's Arcade cafeteria orchestra; 6, Town Tattler; 6:15, travel talk, W. F. Alder; 6:30-7, Atwater Kent concert orchestra; 7-8,

EDUCATIONAL FEATURES

Saturday, February 20

Eastern	Central	Mountain	Pacific
7:30 p. m.	6:30 p. m.	5:30 p. m.	4:30 p. m.

WHAR (275m-1090kc) Lecture period

8:15	7:15	6:15	5:15

KOIL (278m-1080kc) Educational period, University of Omaha.

Monday, February 22

Eastern	Central	Mountain	Pacific
7 p. m.	6 p. m.	5 p. m.	4 p. m.

WEAF (491.5m-610kc) Columbia university lecture.

7:15	6:15	5:15	4:15

KOIL (278m-1080kc) Educational period, Mae Larson.

7:30	6:30	5:30	4:30

KSAC (340.7m-880kc) Sociology.

8	7	6	5

KFKU (275m-1040kc) "Business Cycles," Prof. E. L. Dade.
KFRU (499.7m-600kc) "What, Why and How in Regard to Color."

8:30	7:30	6:30	5:30

WSUI (483.6m-620kc) College of the Air.
WNAD (254m-1180kc) "Business Fluctuations," Prof. W. A. Willibrand.

8:50	7:50	6:50	5:50

WNAD (254m-1180kc) "Curiosities of Memory," Dean W. W. Phelan.

9	8	7	6

CKY (384.4m-780kc) University lecture.
WMCA (340.7m-880kc) Christian Science lecture.

9:35	8:35	7:35	6:35

KSL (299.8m-1000kc) "The Story of the University of Utah," Prof. Levi Edgar Young.

10	9	8	7

KOA (322.4m-930kc) Spanish lesson.

10:30	9:30	8:30	7:30

KWSC (348.6m-860kc) "Psychology of Efficiency," Dr. F. F. Nalder.

11	10	9	8

KGO (361.2m-830kc) "Better English," Wilda Wilson Church; "The New and Old in the Reconstruction," Dr. Willard Smith.
KOA (322.4m-930kc) Voice culture.

Tuesday, February 23

Eastern	Central	Mountain	Pacific
5:10 p. m.	4:10 p. m.	3:10 p. m.	2:10 p. m.

WLW (422.3m-710kc) French lesson, Madame Ida Tcimpidis.

7	6	5	4

WKAR (285.5m-1050kc) Nature study.
WLW (422.3m-710kc) Historical appreciation of music, Etelka Evans.

7:10	6:10	5:10	4:10

WEAF (491.5m-610kc) French course.
WRC (468.5m-640kc) Radio school of international relations.

7:20	6:20	5:20	4:20

WLW (422.3m-710kc) "Astronomy Without a Telescope," Dr. Elliott Smith.

7:30	6:30	5:30	4:30

KSAC (340.7m-880kc) Better speech, etiquette, economics.

7:50	6:50	5:50	4:50

WLW (422.3m-710kc) "Great Smokey Mountains," Al Brown.

8:15	7:15	6:15	5:15

KDKA (309.1m-970kc) "How Children Differ," Dr. Rohrback.

8:30	7:30	6:30	5:30

WNAD (254m-1180kc) "Relation of Automotive Transportation to the Railroad Problem," Dr. Floyd L. Vaughan.

8:50	7:50	6:50	5:50

WNAD (254m-1180kc) "Asphalt," Dr. Charles N. Gould.

9:05	8:05	7:05	6:05

KFAB (340.7m-880kc) Course—Business English.

9:20	8:20	7:20	6:20

WNAD (254m-1180kc) "British and American Folk Songs," Dr. J. H. Combs.

9:30	8:30	7:30	6:30

WNAD (254m-1180kc) "What Are X-rays?" Prof. H. C. Boys.

10	9	8	7

WOC (483.6m-620kc) Travel lecture, "Around the World in Eight Months in Eight Nights," B. J. Palmer.

10:15	9:15	8:15	7:15

KFVE (240m-1250kc) "Good English and Rhetoric," Prof. Adolphus Watts.

Wednesday, February 24

Eastern	Central	Mountain	Pacific
4 p. m.	3 p. m.	2 p. m.	1 p. m.

KFAB (340.7m-880kc) English lecture on the Book of Job, for credit.

6	5	4	2

KGO (361.2m-830kc) Speaker from Williams institute.

6:30	5:30	4:30	3:30

WNYC (526m-570kc) Spanish lesson, V. H. Berlitz.

7	6	5	4

KSAC (340.7m-880kc) Journalism; "Maintenance of Dirt Roads," L. M. Martin; "The Function of the Architect," Paul Weigel.
WMAQ (447.5m-670kc) Lecture, Northwestern university.

7:30	6:30	5:30	4:30

WBZ (333.1m-900kc) Radio nature league, Thornton W. Burgess.
WMCA (340.7m-880kc) Prof. Cortina's Spanish lesson.

Eastern	Central	Mountain	Pacific
7:45 p. m.	6:45 p. m.	5:45 p. m.	4:45 p. m.

WTAG (268m-1120kc) Spanish lesson, Mrs. John de la Parra.

8	7	6	5

WEAO (293.9m-1020kc) "How to Persuade," Hayes Yoager.

8:10	7:10	6:10	5:10

WNAD (254m-1180kc) "History of Oklahoma," Dr. E. E. Dale.

8:15	7:15	6:15	5:15

KDKA (309.1m-970kc) "Where Will Chemistry Lead Us?" Prof. Alexander Silverman.

8:20	7:20	6:20	5:20

WMCA (340.7m-880kc) Talk on securities.
WNAD (254m-1180kc) "Orion," Prof. Mosely Hassler.

8:30	7:30	6:30	5:30

WSUI (483.6m-620kc) College of the Air.

8:45	7:45	6:45	5:45

WTAG (268m-1120kc) Spanish lesson, Mrs. John de la Parra.

9:10	8:10	7:10	6:10

WNAD (254m-1180kc) "Historietas Espanolas" (Spanish Anecdotes), Prof. Patricio Gimeno.

9:35	8:35	7:35	6:35

KSL (299.8m-1000kc) "The Story of Chemistry," Dr. W. D. Bonner.

10	9	8	7

WSOE (246m-1220kc) "Contacts"; "Electrospect."

10:30	9:30	8:30	7:30

KWSC (348.6m-860kc) "What Is a Mechanical Engineer?" Prof. E. B. Parker.

11	10	9	8

KHJ (405.2m-740kc) Scientific lecture, Dr. Mars Baumgardt.
WSAI (325.9m-920kc) University of Cincinnati.

Thursday, February 25

Eastern	Central	Mountain	Pacific
7:15 p. m.	6:15 p. m.	5:15 p. m.	4:15 p. m.

KOIL (278m-1080kc) Educational period, Public Library.

7:30	6:30	5:30	4:30

KSAC (340.7m-880kc) Music, educational psychology; "Old Houses for New," Maria Morris; "The Government and the Rural Home," Amy Kelly.

7:45	6:45	5:45	4:45

WJAR (305.9m-980kc) Nature talk, W. L. Bryant.

8	7	6	5

KFKU (275m-1040kc) "The History of Metals," Prof. E. D. Kinney.

8:10	7:10	6:10	5:10

KNAD (254m-1180kc) "Functions of the Bank and Life Insurance," Prof. I. J. Sollenberger.

8:30	7:30	6:30	5:30

WEAO (293.9m-1020kc) Physics lecture.
WNAD (254m-1180kc) "Business Fluctuations," Dean A. B. Adams.

8:50	7:50	6:50	5:50

WNAD (254m-1180kc) "Electrical Marvels," F. G. Tappan.

9	8	7	6

KFMQ (299.8m-1000kc) "The Starry Heavens," A. M. Harding; "Economic and Social Aspects of Rural Health," J. A. Dickey;; "Safety in the Household," D. G. Carter; "The Poets of This Generation," V. L. Jones; "Old Foods Through New Eyes," J. W. Read; "Interviewing the Employee," G. C. Tracker.

9:10	8:10	7:10	6:10

WNAD (254m-1180kc) "Berichte aus Deutschland" (News from Germany), Prof. W. A. Willibrand.

Friday, February 26

Eastern	Central	Mountain	Pacific
4 p. m.	3 p. m.	2 p. m.	1 p. m.

KFAB (340.7m-880kc) Science lectures.

5	4	3	2

WMAQ (447.5m-670kc) Talk, "The Preschool Child."

5:30	4:30	3:30	2:30

KSAC (340.7m-880kc) Lessons in color and design.

6:30	5:30	4:30	3:30

WNYC (526m-570kc) French lesson.

7:30	6:30	5:30	4:30

WBZ (333.1m-900kc) "Appreciation of Music," Prof. John A. O'Shea.
KSAC (340.7m-880kc) Travelogue.

7:35	6:35	5:35	4:35

WGY (379.5m-790kc) "French by Radio," Leon A. Huguemont.

8	7	6	5

WPG (299.8m-1000kc) Educational series.

8:15	7:15	6:15	5:15

WOR (405.2m-740kc) "Words Often Mispronounced."

9:35	8:35	7:35	6:35

KSL (299.8m-1000kc) "The Story of the Colorado River Basin," Dr. F. J. Pack.

10:15	9:15	8:15	7:15

KFVE (240m-1250kc) "Good English and Rhetoric," Prof. Adolphus Watts.

10:30	9:30	8:30	7:30

KWSC (348.6m-860kc) "Geology of the Northwest," Dr. H. E. Culver.
WOC (483.6m-620kc) Travel lecture.

10:55	9:55	8:55	7:55

KOAC (280.2m-1070kc) "Composition of the Earth —The Old Conception," D. C. Livingston.

KYW, Chicago, Ill. (535.4m-560kc), 12:05 p. m., Congress hotel orchestra; 1, luncheon concert; 2:35-4, afternoon frolic; 6, dinner music, KDKA; 8:20, musical program; 9, an hour of music; 10-11:30, evening at home; 1-2, insomnia club.

WBAP, Fort Worth, Tex. (475.9m-630kc), 12:05-12:30 p. m., Ward's Trail Blazers; 6-6:30, Chief Gonzales, Texas Hotel Royals; 7:30-8:30, Fort Worth Harmony club; 9:30-11, American Institute of Banking; 11-12, Pantages theater.

WBBM, Chicago, Ill. (226m-1330kc), 4-6 p. m., Sandy and Harry; Valentino Inn orchestra; William Dalton, baritone; Irene Beasley; Sidney Nireman; Bussell Meyers; Jack Pennewell and Freddy Palmiter; 8-10, Ziegler sisters; Moulin Rouge orchestra; Two Jays; Charlie Garland; Brewers' Zig Zag trio; Maurice Silverman; Pauline Stiffler Atlass, violinist; Floyd Falch; 10-12, Harry and Sandy; Moulin Rouge orchestra; Harry Brailsford, mandolin; Pearl Jarret, pianologues; Fred Jacobson; Moulin Rouge cafe stars.

WCAL, Northfield, Minn. (336.9m-890kc), 9 p. m., program, Norwegian Lutheran church.

ORIENTAL PROGRAM FRIDAY AT WFI

Thursday, February 25

program, H. L. Crockett featuring Ilya Bronson, concert cellist; 8-9, program, Willys Overland dealers; 9-10, KNX feature program; 10-11, dance music; 11-12, Ray West's Cocoanut Grove dance orchestra from Ambassador hotel.

KPO, San Francisco, Calif. (428.3m-700kc), 7, 7:30, 8 a. m., daily dozen exercises; 1-2 p. m., Rudy Seiger's Fairmont hotel orchestra; 2:30-3:30, matinee program; 3:30-4:30, Cyrus Trobbe's Palace hotel concert orchestra; 5:15-6:15, children's hour stories; 6:40-7, Waldemar Lind and the States Restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel orchestra; 8-9, program, Radio Eight symphony orchestra; 9-10, program; 10-11, Jack Coakley's Cabirians.

KWSC, Pullman, Wash. (348.6m-880kc), 7:30 p. m., Oregon Agricultural college vs. Washington State college basketball game.

Friday, February 26

Headliners Today

Eastern	Central	Mountain	Pacific
3 p. m.	2 p. m.	1 p. m.	12 noon

WFI (394.5m-760kc) Oriental program, fairy tales, songs.

8	7	6	5 p. m.

WEAR (389.4m-770kc) "Faust," opera.

8:15	7:15	6:15	5:15

WGY (379.5m-790kc) "The Duchess of Broadway," musical comedy.
WTIC (475.9m-630kc) Middletown community night.

9	8	7	6

WBZ (333.1m-900kc) Musical clubs, jazz and instrumental.
WDAF (365.6m-820kc) Recital.
WSM (282.8m-1060kc) Vanderbilt U. program.

9:30	8:30	7:30	6:30

WMC (499.7m-600kc) Cortese ensemble.

10	9	8	7

KMOX (280.2m-1070kc) Symphony, "With Shakespeare."
KTHS (374.8m-800kc) Dixie Melodies.
KYW (535.4m-560kc) Wendell Hall.
WLIT (394.5m-760kc) Morning Glory club concert.

10:05	9:05	8:05	7:05

KDKA (309.1m-970kc) Teaberry time.

10:30	9:30	8:30	7:30

WGY (379.5m-790kc) Old-time dances.
WBAP (475.9m-630kc) Bridgeport quartet.

12 m.	11	10	9

KNX (336.9m-890kc) Optimistic Order of Do-Nuts.

Friday, silent night for: CFAC, CHIC, CKNC, CKY, CNRC, CNRM, CNRO, CNRR, CNRW, KFAU, KFEQ, KFKU, KFMQ, KFWA, KFXF, KGO, KFAU, KLDS, KPRC, KUOM, PWX, WBBR, WCAD, WCBD, WEAO, WEBW, WGBS, WGST, WHAZ, WIP, WJAZ, WKRC, WLW, WLWL, WNAD, WRC, WREO, WRVA, WSAI, WSUI, WSMB, WTAM.

Eastern Time Stations

CNRA, Moncton, Can. (291.1m-1030kc), 8 p. m., studio program, "Out to Win," three act comedy, Mrs. Irvine Malcolm, director; 10, orchestra.

CNRT, Toronto, Can. (356.9m-840kc), 6:30 p. m., dinner concert, Luigi Romanelli and his King Edward hotel concert orchestra; 9, Radio Raiders in a little of everything, quartet, solos, monologues; 11, dance program, Luigi Romanelli and his King Edward hotel dance orchestra.

KDKA, Pittsburgh, Pa. (309.1m-970kc), 12:20 p. m., Sunday school lesson, James C. Mace; 6:30, dinner concert; 9, concert; 10:05, Teaberry time.

WAHG, Richmond Hill, N. Y. (315.6m-950kc), 12:03 p. m., Sidney Raphael, pianist; Max Polansky, violinist; 7:30, Professor Richard E. Mayne; 7:45, Cecile LaBlanche, pianist; 8:15, organ recital direct from studio of Skinner Organ company, New York City, Henry Rogers Pratt, organist; 9:00, Walter Leary, baritone; 9:15, Jimmy Smith, banjo king; 9:30, Henrietta Mastin, soprano; 10:03, popular program; 10:20, Bernie Fletcher's orchestra.

WBZ, Springfield, Mass. (333.1m-900kc), 6:30 p. m., KDKA Little symphony orchestra; 7, music story hour, Helen S. Leavitt; 8, Edwin J. McEnelly and his orchestra; 8:30, Hotel Vendome; 9, Bowdoin college musical clubs.

WBAL, Baltimore, Md. (246m-1220kc), 6:30-7:30 p. m., WBAL dinner orchestra, Robert Iula, conductor; 7:30-8, male quartet; 8-9, musical program, Grachur club, Hobart Smock, director; 9-10, string trio; John Wilbourn, tenor.

WCAP, Washington, D. C. (468.5m-640kc), 6:45-7:45 a. m., Tower health exercises; 6-12 p. m., dinner hour concert, Mozart string quintet; "Sir Hobgoblin Stories," Blanche Elizabeth Wade; concert; concert, U. S. Navy band orchestra, Lieut, Charles Benter, leader; dance music, Wardman Park hotel ballroom.

WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., dinner program, Goldkette ensemble; 8-9, program; 9-10, dance music, Jean Goldkette's Breeze Blowers and his Victor Recording orchestra.

WEAF, New York, N. Y., (491.5m-610kc), 6:45-7, 7:20 a. m., Tower health exercises; to WEAF, WEEI, WCAP; 7:45-8:00 a. m., morning prayer service, auspices of Greater New York Federation of Churches; 4 p. m., Dorothea Osborne, soprano; 4:15, Einar Hansen, violinist; 4:30, J. Morrison Flavelle, baritone; 4:45, Seals and Sea Cows, Ida Mellen; 5, Vincent Lopez and orchestra from Tea room of Ritz-Carlton hotel; 6, dinner music, Rose room of Hotel Waldorf-Astoria; 7, Gene Ingraham and his Great Notch Inn orchestra; 7:30, "Sir Hobgoblin's Cherry Tree," Blanche Wade, WEAF, WOO, WCAP, WCAE, WGR, WJAR, WEAR, WTAG, WOC; 7:45, Modena Scoville, pianist; 8, the Happiness Candy Boys; 8:30, Eagle Neutrodyne trio; 9, Cities Service quartet and orchestra, WEAF, WEEI, WOO, WEAR, WGN, KSD; 9:30, Irvine players in one act radio plays; 10, Whittall Anglo Persians, WEAF, WCAP, WJAR, WOO, WEEI, WGR, WTAG, WCAE, WOC, WCCO, WWJ, KSD, WEAR; 10:30, chamber musicale, Genia Zielinska, soprano and Carl Rollins, baritone; 11-12, Ben Bernie and orchestra from Hotel Roosevelt.

WEAR, Cleveland, Ohio (389.4m-770kc), 7 p. m., Wormack's Singing syncopators; 7:30, children's program, WEAF; 8, "Faust," WEAR Grand Opera company; 9, cities service program, WEAF; 9:30, studio program; 10, WEAF program; 10:30, Wormack's Singing syncopators.

WEEI, Boston, Mass. (348.6m-860kc), 6:45 a. m., health exercises; 3:15 p. m., George Joy and Neil Cantor, popular songs; 5, Frankie Ward and his orchestra; 6:15, Joe Rines and his Hunters' Cabin orchestra; 6:45, Big Brother club; 7:30, Whiting Milk company program; 8, musical; 8:30, Neapolitan Ice Cream company program; 9, musical, WEAF; 9:30, Carter's Incas; 10, Sager's hour of hospitality.

WGHB, Clearwater, Fla. (266m-1130kc), 6:30-7:30 p. m., dinner music; 8:30-9:30, Caroline Lee, "The Virginia Girl," and her Spanish guitar; Luther E. Ohls, ukulele; 11:45-1 a. m., Radio Ramblers' midnight frolic.

WGHP, Detroit, Mich. (270m-1110kc), 6-7 p. m., dinner concert, Hotel Tuller; 7:40-7:50, children's evening chat; 10-11, entertainers in playlet, Harry C. Browne, director; 11-12, Skylark dance band; 12-1 a. m., Gerald Marks and his orchestra.

WGR, Buffalo, N. Y. (319m-940kc), 2:30 p. m., WGR's afternoon program; 6:30, Clef trio and Danny Engle; 7:30, jointly with WEAF, Blanche Elizabeth Wade, story teller for G. R. Kinney company; 8:30, Dutch Masters Saxophone sextet; 9, Winger's Crescent Park entertainers; 9:30, jointly with WEAF, Scott's Emulsion program; and Whittall's Anglo-Persians; 10:30, Hewitt Humorists; 11, Vincent Lopez Hotel Statler dance orchestra, Harold Gieser, director, John F. Gunderman, Jr., organist.

WGY, Schenectady, N. Y. (379.5m-790kc), 7 p. m., Eastman theater; 8:15, "The Duchess of Broadway," WGY players; 10:30, old-time dances, WGY orchestra.

WHAR, Atlantic City, N. J. (275m-1090kc), 2 p. m., Seaside hotel trio; 7:30 talk; 8, trio.

WJAX, Jacksonville, Fla. (336.9m-890kc), 3:30 p. m., Hemming Park band concert, Vessella's band, Oreste Vesella, conductor; 7:30, music memory contest; 8-10, popular program.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Jean Goldkette's Symphony orchestra; soloists; 7:30, "Arctic Specials"; 9, "Mulkey Celebrities."

WKAQ, San Juan, P. R. (340.7m-880kc), 6-8 p. m., talks, Porto Rican Atheneum.

WLIT, Philadelphia, Pa., (394.5m-760kc), 12:02 p. m., daily almanac; Stanley theater organ recital; religious services; Arcadia cafe concert orchestra; 2, Arcadia cafe concert orchestra; 2:30, playlet, members of National School of Elocution and Oratory; 4:30, recital; 7:30, Dream Daddy's bedtime stories; Sunbeam Club; 8, sports talk; 8:15, Arcadia cafe concert orchestra; 8:30, recital; 10, Morning Glory club concert; 10:30, Rufus and Rastus; 11, Arcadia cafe dance orchestra; continuation of Morning Glory club concert.

WMCA, New York City, N. Y. (340.7m-880kc), 6 p. m., Olcott Vail and his Hotel McAlpin string ensemble; 6:30, Woodmansten Inn orchestra; 7:00, Jack Denny's orchestra; 8, current events; 9, Tracy Pearl musical program; 10:30, Norman Pearce, readings; 11, Ernie Golden and his Hotel McAlpin orchestra.

WNYC, New York, N. Y. (526m-570kc), 6:10 p. m., market high spots; 6:20, piano selections; 7:35, board of estimate; 8, concert program; 9, dance program.

WOO, Philadelphia, Pa., (508.2m-590kc), 11 a. m., organ recital; 12:02 p. m., Golden's crystal tea room orchestra; 4:45, organ recital; 7:30, Ritz Carlton dance orchestra; 8, WOO orchestra; 9:30, Fox theater features and symphony orchestra; 10, organ recital, Mary E. Vogt; 10:30, Sylvania dance orchestra.

WPG, Atlantic City, N. J. (299.8m-1000kc), 6:45 p. m., Arthur Scott Brook, organist; 7 Hotel Morton dinner music; 8:15, studio program; 9, Hotel Traymore concert orchestra; 11, Jean Wiener, organist.
cert orchestra; 10, James Salt Water Taffy Boys' dance

WTIC, Hartford, Conn. (475.9m-630kc), 11:25 a. m., Laura C. Gaudet, pianist; 12:05 p. m., Travelers club orchestra; 6:30, Hub trio; 8:15, Middletown Community night.

WWJ, Detroit, Mich. (352.7m-850kc), 7:30-8 a. m., setting-up exercises; 9:20, "Tonight's dinner"; 12:05, Jules Klein's Hotel Statler orchestra; 3, Detroit News orchestra; 6, dinner concert; 8, News orchestra and soloists; 9, WEAF program; 9:30, dance program.

Central Time Stations

KPRC, Houston, Tex. (296.9m-1010kc), 12 noon, Frank Tilton, boy pianist.

KWWG, Brownsville, Texas (278m-1080kc), 12 noon, orchestra music; 6 p. m., Roy Garcia, violinist.

KYW, Chicago, Ill. (535.4m-560kc), 12:05-1 p. m., concert; 1, Joska DeBabary and his orchestra; Coon-Sanders orchestra; 6-7, dinner music, KDKA; 9, an hour of music 10-12:30, revue, Paul Ash and his orchestra; Coon-Sanders orchestra; 1, Insomnia club.

WBAP, Fort Worth, Tex. (475.9m-630kc), 12:05-12:30 p. m., musical program; 6-6:30, Chief Gonzales' Texas Hotel Royals; 7:30-8:30, North Texas Agricultural college band; 9:30-11, Bridgeport male quartet; 11-12, Panther Hawaiian trio.

WCCO, Minneapolis, St. Paul, Minn. (416.4m-720kc), 2:30 p. m., afternoon concert, Dick Long's Nankin cafe orchestra; 4, readers' club; 6:15, dinner concert, Biley's St. Paul hotel concert orchestra; 8:15, musical program; 9, program, WEAF; 10:05, dance program, Arnold Frank's St. Paul hotel orchestra.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., The Tell-me-a-story lady; The Trianon ensemble; 8-9:30, recital, Ella Schutte Clark, soprano; Mrs. Norma Troje Miller, violinist; Elsa Schutte, pianist; Dr. Harry Cooper, pianist; the Star's Radio orchestra; 11:45-1, Ted Weem's Victor Recording orchestra; Eddie Kuhn's orchestra.

WEBH, Chicago, Ill. (370.2m-810kc), 7 p. m., Oriole orchestra; 8, Pauline Sachs, soprano; Eleanor Kaplan, violinist; 9-9:45, WEBH Light Opera company.

WGN, Chicago, Ill. (302.8m-990kc), 10-10:15 a. m., good health period; 10:15-11, entertainment for shut-ins; 11-11:30, morning organ concert, Chicago theater, Dean Fossler; 12:01-12:30 p. m., noon-hour entertainment for children; 12:40-2:30, luncheon concert music; 2:30-4, Lyon and Healy artists' recital; 3:25, Port o' Missing Men; 3:30-4:15, tea time music; 4:30-5, organ recital, Edward Benedict; 5:30-5:57, Skeezix time for children; 6:30-6:45, dinner concert music; 6:45-7, old-time favorite songs; 8-8:30, Cities Service concert; 10-10:10, "Sam 'n' Henry," Radio comic strip; 10:10-10:15, old-time favorite songs; 10:15-11, dance music; songs, Correll and Gosden, Freda Leonard and Jewell Barnett; Hawaiian guitar music, Langdon brothers.

WHAS, Louisville, Ky. (399.8m-750kc), 1-2 p. m., Royal Peacock orchestra; 3-3:30, Mrs. Myrtle Fulks Zahn, Jr.; 4-5, Music Box concert; 7:30-9, concert, Greater Louisville Savings and Building association.

WHO, Des Moines, Ia. (526m-570kc), 7:30-9 p. m., Drake university conservatory of music; 11-12, Bankers Life little symphonic orchestra.

WJAZ, Chicago, Ill. (322.4m-930kc), 9-1 a. m., dance music, Chez Pierre orchestra, Earl Hoffman, conductor; intermission musical numbers.

WLIB, Chicago, Ill. (302.8m-990kc), 7-8 p. m., musical program; 11-1 a. m., dance music; songs, Correll and Gosden; Freda Leonard and Jewell Barnett.

WLS, Chicago, Ill. (344.6m-870kc), 6 p. m., Ford and Glenn; 6:40, Ralph Emerson, organist; 7, lullaby time; 7:20, WLS trio; 7:50, "Seigfried Sassoon," Wallace Bruce Amsbary; 8:35, Ford and Glenn; 9, Little Symphony orchestra; 10:30, Ford and Glenn; 11, surprise program.

WLW, Cincinnati, Ohio (422.3m-710kc), 7:30 a. m., healthful exercise, William Stradtman, phyiscal department, Y. M. C. A.; 8, morning devotions, auspices of Parkway Y. M. C. A.; 12:05 p. m., organ concert; 12:30, concert, Hotel Gibson orchestra, Robert Visconti, director.

WMAQ, Chicago, Ill. (447.5m-670kc), 4:45 p. m., stories from Child Life; 6, Chicago theater organ; 6:20, Family Altar league; 6:30, Wide Awake club program; 8:30, Whitney trio; 9:20, music.

WMBB, Chicago, Ill. (250m-1200kc), 7-8 p. m., Trianon duo; Frank Bordner, baritone; Frank Chaplin, tenor; The Old Virginia Colonel; 9-11, Trianon orchestra; Dell Lampe; Woodlawn theater orchestra; Walter Kipps; Eddie Matts; Billie Donovan; Jack Goodwin, tenor; Ned and Ted, harmony duo.

WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Cooper's Hawaiians; 11, frolic.

WOAI, San Antonio, Texas (394.5m-760kc), 8:30 p. m., San Antonio Express Evening News program.

WOAW, Omaha, Nebr. (526m570kc), 1 p. m., Randall's Royal Fontenelle orchestra; 6, music review; 6:20, Francis Potter's banjo orchestra and soloists; 6:50, Gilbert Jaffy and his Little symphony; 9, classical; 10:15, Frank Hodek and his Nightingale orchestra.

WOC, Davenport, Iowa (483.6m-620kc), 5:45-6 p. m., chimes; 7:45-8:30, Norine Murray, soprano; Fay Paarman, pianist; Harry Yeazelle Mercer, tenor; 9-9:30, Whittal Anglo-Persian orchestra; 9:30-10:30, travel talk.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Gardens orchestra; Henrietta Nolan, violinist; "Sun of the Soul," H. W. Bundy; Margaret Cade, soprano; Madeline Ruff, accompanist; 10-1, Rainbo Skylarks; Ballantine stringed trio; Madame Castro Leon, Mexican soprano; Dell Eastburn, dramatic tenor; Payo Byannos, Russian bass; Eleanor Terry; Melodians; Dean Terrill, baritone; Romo Vincent, boy baritone; Merrill Carder; 1-2, Ginger hour.

(Continued on page 30)

GENERAL TALKS AND SPEECHES

Saturday, February 20

Eastern	Central	Mountain	Pacific
8 p. m.	7 p. m.	6 p. m.	5 p. m.

WCCO (416.4m-720kc) "Fireside Philosophies," Rev. Roy L. Smith.

8:05	7:05	6:05	5:05

WAMD (244m-1230kc) Talk, "What Prominent Outsiders Think of Minneapolis and the Great Northwest."

8:30	7:30	6:30	5:30

WMAQ (447.5m-670kc) "George Washington," James Edgar Brown.

8:45	7:45	6:45	5:45

WRC (468.5m-640kc) Zoo talk.

9:15	8:15	7:15	6:15

KNX (336.9m-890kc) Travel talk, W. F. Alder.

9:30	8:30	7:30	6:30

KHJ (405.2m-740kc) History story, Prof. Hertzog.

10:10	9:10	8:10	7:10

WNYC (526m-570kc) Travel talk.

Monday, February 22

Eastern	Central	Mountain	Pacific
3 p. m.	2 p. m.	1 p. m.	12 n.

WFI (349.5m-760kc) "George Washington," Mabel Swint Ewer; "Correct Flag Salute," Robert Benner.

4:15	3:15	2:15	1:15 p. m.

WEAF (491.5m-610kc) "Current Events of the Theater," Dr. Montrose J. Moses.
WIP (508.2m-590kc) "George Washington," Hon. Orrin E. Boyle.

5	4	3	2

WCCO (416.4m-720kc) Readers' club, Mrs. Walter Stevens.

7	6	5	4

WBZ (333.1m-900kc) "Theatrical Gossip," Sam Wren.
WTAG (268m-1120kc) Science talk, Fred D. Aldrich.

7:40	6:40	5:40	4:40

WOAW (526m-570kc) Insurance talk.

8	7	6	5

WHN (361.2m-830kc) "Storage Batteries," H. B. Shontz.
WOR (405.2m-740kc) Current topics lecture, H. V. Kaltenborn.
KFKU (275m-1040kc) "Variations in Business Prosperity," Prof. E. B. Dade.

8:30	7:30	6:30	5:30

WOI (270m-1110kc) Automobile course, Prof. A. Shane.
WPG (299.8m-1000kc) Washington's birthday address, Hon. William H. Smathers.
WOI (270m-1110kc) Washington's birthday address, Prof. L. D. Schmidt.

8:45	7:45	6:45	5:45

WEAF (491.5m-610kc) Tower health talk.

9	8	7	6

KNX (336.9m-890kc) Travel talk, W. F. Alder.
WLW (288.3m-1040kc) "The Ideal Washington," Dr. Conde S. Pallen.

9:10	8:10	7:10	6:10

WNAD (254m-1180kc) "Berichte aus Deutschland" (News from Germany), Prof. W. A. Willibrand.

9:15	8:15	7:15	8:15

KNX (336.9m-890kc) Travel talk, W. F. Alder.

9:30	8:30	7:30	6:30

WHAZ (379.5m-790kc) "The Lesson of History," Prof. Samuel Rezneck.

11	10	9	8

KGO (361.2m-830kc) "A Government Timber Sale," T. D. Woodbury; "Chats About New Books," Joseph Henry Jackson; "Character Training in the Home," Prof. C. E. Rugh.

Tuesday, February 23

Eastern	Central	Mountain	Pacific
1:35 p. m.	12:35 p. m.	11:35 a. m.	10:35 a. m.

KPRC (296.9m-1010kc) Health talk, Dr. A. H. Flickwir.

3	2	1 p. m.	12 n.

KMA (252m-1190kc) Travelogue, G. H. Van Houten.

4	3	2	1 p. m.

KFAB (340.7m-880kc) Sociology lecture.

4:30	3:30	2:30	1:30

WCCO (416.4m-720kc) "The World of Books," H. A. Bellows.

7	6	5	4

CKAC (410.7m-730kc) Safety league talks.
WDAF (365.6m-820kc) Road talk.

7:15	6:15	5:15	4:15

WFI (394.5m-760kc) Banking talk, Norman Stokes.

7:30	6:30	5:30	4:30

WBZ (333.1m-900kc) "Literary Values in Recent Books," Prof. Robert Emmons Rogers.
WGY (379.5m-790kc) "What Is Matter Made Of?" Prof. Charles B. Hurd.

7:45	6:45	5:45	4:45

WMCA (340.7m-880kc) Tyrrell's health talk.
WTAG (268m-1120kc) "Beauty and Science in a Snowflake," Prof. A. Wilmer Duff.

7:50	6:50	5:50	4:50

WGHP (270m-1110kc) Talk on banking, Raymond H. Berry.

8	7	6	5

WJAK (305.9m-980kc) Safety talk.
WCAU (277.6m-1080kc) Building and loan talk.

9	8	7	6

WMAQ (447.5m-670kc) Book talk, Harry Hansen.

9:15	8:15	7:15	6:15

KNX (336.9m-890kc) Travel talk, W. F. Alder.

9:45	8:45	7:45	6:45

WMCA (340.7m-880kc) "How to Drive an Automobile," Harry Rainess.
WSOE (246m-1220kc) Movie review, Peggy Patton.

10	9	8	7

WSAI (325.9m-920kc) Historical talk.
WMAQ (447.5m-670kc) University of Chicago lecture.

10:30	9:30	8:30	7:30

KHJ (405.2m-740kc) Talk on dogs, H. M. Robertson.
KFMX (336.9m-890kc) "China," Prof. Keith Clark.
WGY (379.5m-790kc) "Progress of Broadcast Development," C. J. Young.
WCCO (416.4m-720kc) "Outdoors in Minnesota," Izaak Walton league.

10:45	9:45	8:45	7:45

KNX (336.9m-890kc) Health talk, Dr. Robert T. Williams.

11	10	9	8

KGW (491.5m-610kc) Book review; word-cartoon on styles.
KPO (428.3m-700kc) Travel talk, Lieut.-Col. H. Edmund Bullis.

12:45	11:45	10:45	9:45

WORD (275m-1090kc) Talk, Ernest G. Wylam.

Wednesday, February 24

Eastern	Central	Mountain	Pacific
3 p. m.	2 p. m.	1 p. m.	12 n.

WIP (508.2m-590kc) "Has Geology Anything to Say Regarding Religion?" Dr. J. G. Rodgers.
WFI (394.5m-760kc) "Care and Maintenance of a Lawn," Warren E. Meixner.

5	4	3	2

WCCO (416.4m-720kc) Readers' club.
WMAQ (447.5m-670kc) Talk, John Hayes Hammond.

7	6	5	4

WDAF (365.6m-820kc) Health talk; meat talk.

7:45	6:45	5:45	4:45

WOR (405.2m-740kc) "Topics of the Day," Spencer Armstrong.
WHB (365.6m-820kc) Automotive extension lesson, John Burns.
WDAF (365.6m-820kc) "Missouri Night on the Radio," John McQuigg.

8:15	7:15	6:15	5:15

WSAI (325.9m-920kc) Art talk, auspices of Cincinnati Art club, H. H. Wessel; 11, talk, faculty member of University of Cincinnati.

8:30	7:30	6:30	5:30

WEAO (293.9m-1020kc) "Eye Conservation as a National Problem," Dr. H. Minchin.
WMAQ (445.7m-670kc) Lecture, Northwestern university.

9	8	7	6

WKRC (422.3m-710kc) Book review, Alice B. Coy.
WLWL (288.3m-1040kc) "Accountancy," K. of C.
WTIC (475.9m-630kc) "The Governments of Germany, Russia and the Newer States," Prof. Lane W. Lancaster.

10	9	8	7

WORD (275m-1090kc) Talk, L. M. Smith.

10:15	9:15	8:15	7:15

KOA (322.4m-930kc) "The Epic of the Cowboy," W. O. Orr.

Thursday, February 25

Eastern	Central	Mountain	Pacific
3 p. m.	2 p. m.	1 p. m.	12 n.

WCCO (416.4m-720kc) "Among the Musicians," H. A. Bellows.

5	4	3	2 p. m.

KMA (252m-1190kc) Travelogue, G. H. Van Houten.
WCCO (416.4m-720kc) Readers' club.

7	6	5	4

WDAF (365.6m-820kc) Book talk, Louis Mecker.

7:30	6:30	5:30	4:30

WEEI (348.6m-790kc) Book chat, L. L. Hopkins.
WGY (379.5m-790kc) WGY book chat, William F. Jacob.

7:45	6:45	5:45	4:45

WRC (468.5m-640kc) Smithsonian talk.

8	7	6	5

WIP (508.2m-590kc) "The Sesqui-Centennial," Hon. Harry A. Mackey.

8:30	7:30	6:30	5:30

WGBS (315.6m-950kc) "Footlight and Lamplight," Oliver Sayler.
WTAG (268m-1120kc) Travel talk.
WHB (365.6m-820kc) Aviation address, Harry Wimer.

9:15	8:15	7:15	6:15

KNX (336.9m-890kc) Travel talk, W. F. Alder.

9:30	8:30	7:30	6:30

WMAQ (447.5m-670kc) Talk, Chicago Association of Commerce; lecture, University of Chicago.

10	9	8	7

WRC (468.5m-640kc) Political situation, Frederick W. Wile.
WCAL (336.9m-890kc) Speaker, G. Smedal.
WMAQ (447.5m-670kc) Lecture, University of Chicago.

10:10	9:10	8:10	7:10

WNYC (527m-570kc) "Trend of the Times," Sydney Neville Ussher.

10:15	9:15	8:15	7:15

WLW (288.3m-1040kc) "Religion and Science," Rev. John M. Cooper.

10:45	9:45	8:45	7:45

KHJ (405.2m-740kc) Health talk, Dr. Phillip M. Lovell.

11:05	10:05	9:05	8:05

WCCO (416.4m-720kc) Traffic safety talk.

Friday, February 26

Eastern	Central	Mountain	Pacific
3 p. m.	2 p. m.	1 p. m.	12 n.

KMA (252m-1190kc) Travelogue, G. H. Van Houten.
WIP (502.8m-590kc) "Idealists and Rogues in Spanish Literature," Dr. J. F. W. Crawford.

5	4	3	2

WCCO (416.4m-720kc) Readers' club.

7	6	5	4

WOAW (526m-570kc) Music review, Hester Bronson Copper.

7:30	6:30	5:30	4:30

WBZ (333.1m-900kc) "Appreciation of Music," Prof. John A. O'Shea.

8:15	7:15	6:15	5:15

KDKA (309.1m-970kc) Health talk.
WCAU (277.6m-1080kc) Chiropractic talk.

8:20	7:20	6:20	5:20

WJAR (305.9m-980kc) Health talk.
WMAQ (447.5m-670kc) "What We Hear in Music," Mr. and Mrs. M. E. Oberndorfer.

8:35	7:35	6:35	5:35

WCCO (416.4m-720kc) Forest conservation talk.

9	8	7	6

KYW (535.4m-560kc) "Twenty Minutes of Good Reading," Rev. C. J. Pernin.
WCCO (416.4m-720kc) Health talk.
WLWL (288.3m-1040kc) Talk, books.

9:05	8:05	7:05	6:05

KFAB (340.7m-880kc) Bird Life.

9:15	8:15	7:15	6:15

KNX (336.9m-890kc) Travel talk.

9:45	8:45	7:45	6:45

WSOE (246m-1220kc) Book chat, M. S. Dudgeon.

10	9	8	7

KPO (428.3m-700kc) Investment talk, J. C. Wilson
WMAQ (447.5m-670kc) Lecture, University of Chicago.

10:10	9:10	8:10	7:10

KPO (428.3m-700kc) Book reviews, Harry A. Small.
WNYC (526m-570kc) "Books That Everyone Should Know," Carter Troop.

10:15	9:15	8:15	7:15

WLWL (288.3m-1040kc) "Religion and Science," Rev. John M. Cooper.

10:30	9:30	8:30	7:30

KHJ (405.2m-740kc) "Romances of Santa Fe Trail," Gladys De Witt.
KOAC (280.2m-1070kc) "Business Digest," Dean J. A. Bexell.

10:45	9:45	8:45	7:45

KOAC (280.2m-1070kc) "Painting, Cleaning and Polishing the Auto," K. F. Coulson.

Radio Digest Illustrated

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Vol. XVI Saturday, February 20, 1926 No. 7

Elect Radio Congressmen

WE WERE glancing over a copy of "Rhodes' Colossus" the other day. It is only a little house organ—a means of conveying the ideas and opinions of a business organization—but it is one of the best edited in America. In the issue there appeared an article relating to the great Imperial Valley of Southern California. The editor in his article recounted an interesting story which has its Radio application.

The great Imperial Valley was threatened some years ago when the Colorado overflowed its banks and ran wild for almost a year, causing great destruction of property. The government could not stop the overflow. Finally President Roosevelt called Harriman, the railroad king, since deceased, and requested, "Use the full facilities of the Southern Pacific to stop the gap—I will see you are paid."

For months the railroad dumped 100 cars of rock a day into this gap and finally the Imperial Valley was saved.

Did congress pay the railroad? Not a red cent. Yet, we criticize the railroads! If you want to see samples of the rankest injustice, try to get a bill through congress in which the members cannot see votes, or an issue for their political selves. Roosevelt tried his best to make good, but the boys on the other end of Pennsylvania avenue needed all the cash for their constituents.

The narrative concluded is just a typical demonstration of congress.

What connection does it have with Radio, you ask. As a matter of fact the story has several direct applications to congress and Radio affairs now before our august body of lawmakers.

The senate is now engaged, or it was as we went to press, in a terrific ordeal. All the senators are trying to find out how they should vote on the World Court. The lavishly expensive Bok lobbies and enticing social affairs of the foreign embassies, coupled with some of the votes of their constituents, are allied for the court. The interests in favor of pursuing the famous Monroe Doctrine, backed by other constituents, are allied against the court. It is terrible to be a senator and not know how to vote so as to please friends as well as the voters and insure one's reelection.

The house is busy with the tax bill. The congressmen must "ride the fence" until they learn how many votes "so-and-so" controls and what is desired by him.

And so Radio broadcasting, in which we must admit not everyone is interested, must be shoved aside by our congress to give right-of-way to the more general and vote-deciding questions.

We hate to be pessimistic, but we wonder if congress will ever pass a new Radio law? We wonder if congress and the budget bureau will ever give the Radio development branch (bureau of standards) and the Radio administrative branch (inspection force etc.) enough money to make broadcast transmission and reception what it SHOULD be?

You, John Smith, and you, Mary Brown—do you ever get your representative in the corner and ask him just what he is going to do for Radio? Do YOU bind him to that promise with your vote?

If you can't do anything with the men who are now sitting there on the hill in Washington, your representatives, get busy and put in new men whom you can TRUST to carry out your orders.

WIR Investigates Trouble

INTERFERENCE from WIR, Radio Corporation of America short-wave telegraph station at New Brunswick, N. J., may cease. The company says it is making changes to stop this interference. We will be glad to compliment this organization for its cooperation—once the interference has ceased.

In this connection, allow us to remark, that at KDKA, the Westinghouse station at East Pittsburgh, 20,000 watts of power are sent by a similar short-wave telegraph transmitter. This outfit causes no speakable interference. No complaints have been received, even from Pittsburgh.

Perhaps the Westinghouse engineers could show WIR how to do it?

RADIO INDI-GEST

Yes Sir, She's My Baby

The idea has occured to me
That without undue activity
On the part of my anatomy
That's commonly known as brain.
I could possibly write a verse or so
Concerning the songs on my Radio—
There won't be any sense to it though,
So it won't be much of a strain.

THAT CERTAIN PARTY, OH BOY, WHAT A GIRL
Once told me, "I'M ALL FOR YOU?
THEN I'LL BE HAPPY." I said, "SUGAR PLUM
But BROWN EYES, WHY ARE YOU BLUE?
I'M SITTING ON TOP OF THE WORLD, right now,
Together through life we'll roam."
"SWEET MAN, I'm AFRAID, I'm TOO TIRED," she said,
"SHOW ME THE WAY TO GO HOME."

Now PADDELIN' MADELINE HOME, ALL ALONE,
BY THE LIGHT OF THE STARS isn't fun,
'Cause she lives 'way DOWN BY THE WINIGAR WOIKS.
But when she said, "WONDERFUL ONE,
I'm THE BOOTLEGGER'S DAUGHTER, come on in the house,"
I felt FUNNY all over, I vow,
For I thought all along she was ANGRY, you see—
I tell you, YOU GOT TO KNOW HOW.

MARSHALL HYDE

Lese Majesty!

Dear Indi: Won't you tell me who the Night Herd is? I like his poetry as it is a lot like Edgar Allen Poe's. Both of them have so much illiteration.

MARJORIE

Marjorie, we ask you, "Is that nice?" Now that you have had time to think it over, aren't you a little sorry? They both seem like such nice boys. We hope this is a typical graphic error.

Can't Confirm

The other night while tuning in,
I heard the loudest thund'ring din.
The loop got hot, the tubes most choked,
The dials got red, the speaker smoked.
Just where it was, I cannot tell—
But I think it was Aich E Ell Ell.

RAY D'O

Hey Keeper! Check Up the Inmates

Dear Indi: Please confirm this foreign reception. Sunday night: Heard someone saying, "Duck your head, too low." This must have been 2-LO. Noticed room getting dark and found fog coming from loud speaker. Sure it was London and the whistles and squeals were fog horns. Monday night, about 10:15 p. m.: Noticed very peculiar odor. Thought I must have short circuit so I opened cabinet and low and behold!, in place of the third tube I found a big schooner of lager beer with foam and everything. Found limberger sandwich stuck in speaker and I think I had Hamburg.

C. A. SHOOP

We think you had 2-DT's. But, anyway, there may be something to it. Just one question: What kind of a set did you use Monday night?

Those Foreign Stations

Sets are squealing—and I'm feeling—
Like I'd wish to kick them out.
Tubes are howling—sounds like prowling
Tomcats in the dead of night.
Silence falling—no voice calling—
Expectations fill the air.
I am wishing—and I'm fishing—
For those foreign stations there.

Time is drifting—shadows shifting—
And our patience's drifting too.
Dials adjusting—and you're fussing—
Start to feel a little blue.
Silence shattered—voices clattered!—
"Whoops!—I've got a foreign nation."
Like to trounce him—for announcin'—
Just a Sacramento station.

ANNIE LOU

The Rum Fleet Sails On It

Proof of Corkscrew Wave Is Offered

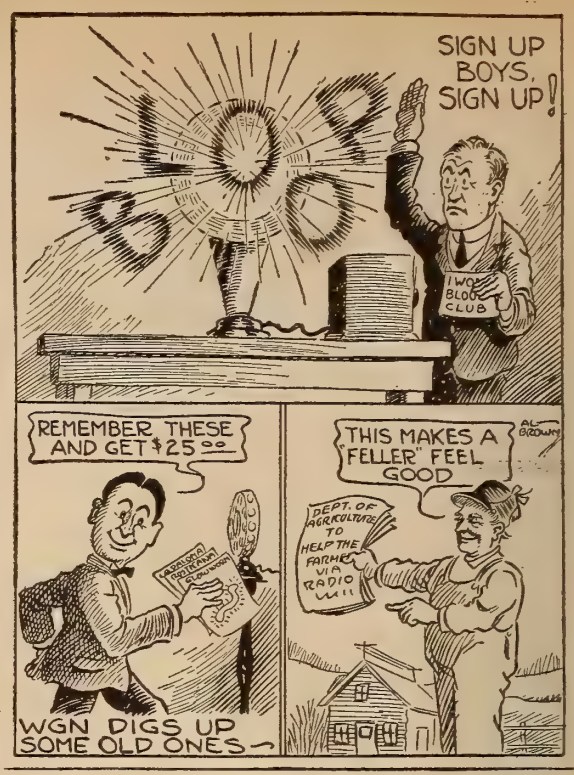
—Columbus (Ohio) Dispatch—Radio page.

We Were Lead Into This—He Dared Us

Policeman sings over Radio, making big hit.—News note.

The "copper" who protects us from those who "steal" and who has "iron" nerves and wears "brass" buttons on his uniform, sang with a voice of "gold," and even though there were "silver" threads in his hair, he proved to be of good "mettle" and was worth many "nickels" to hear.

News of the Week



Condensed

BY DIELECTRIC

Wouldn't it have been more interesting if, during International Test week, some American stations had remained on the air to make the feat of receiving Europe a little harder? We had such ease in picking up Brussels, Aberdeen, London, Paris, Berlin and Barcelona that a mere South American station barely interested! What great good fortune every Radio fan experienced this year with the total absence of "squeelers," so annoying heretofore. Personally, there will be no thrill in another such program for these reasons: the millenium is not so near but that the millions of "squeelers" would repeat their orgy; commercial code operators will still have their messages for lady friends on ship and shore, with no time like a silent period to get it across; Old Man Static is no respector of seasons; American jazz sounds as well here as abroad.

In November, 1924, I made mention in these columns of a feature broadcast from Station WJZ, in which Lieutenant Smythe of Toronto, Can., reviewed his experiences in a canoe traveling from Nova Scotia to New York. The other night we heard the rest of his story from Station WAHG, the Grebe station at Richmond Hill, N. Y. Such a tale of adventure must appeal to many listeners, particularly when depicting serious handicaps to canoeing across the English channel, and further, in his journey to Rome. These personal contacts with men and women of varied interests add greatly to the lure of listening in. It might be extended.

If reports of reception in Moscow of American music be true, then it is possible that a concert by the United States Marine band orchestra was heard by some of our distant fans. I wish it could be arranged to have this organization appear on the air at a time when most of the world could listen to them. Every American takes just pride in their work and would like other nationals to know their excellence.

From the broadcasting station of the Lutheran Theological seminary in St. Louis, Station KFUO, listeners had the opportunity of hearing addresses on an identic theme rendered in several languages. The novelty of that experience may not have been so great, but in any case, the import was of far greater significance. For Christian nations not only, but non-Christian (where they were in tune with this station), heard a great and vital subject presented so millions could understand. It was the real awe-inspiring moment of the entire week's broadcasting.

Maybe some of you have been checking up on me as to the number of references made here to the Formica orchestra, if so, add another. The program being mentioned conformed neither to strictly classical nor popular music. Instead it trod a middle-of-the-road course choosing the lighter numbers from the former and eschewing the vulgar in the latter.

When the midnight hour arrives it seems to be a signal for revelry, sponsored by studio directors and shared by Radio audiences. To what extent listeners indulge in a frolic while tuned to these programs only they can tell. Certainly everyone in the studio of WMC, Memphis, at the time of a recent midnight frolic was having a glorious good time singing lively songs and entering into the spirit of an orchestra swinging through one dance number after another. It was noticed that several of the singers had pleasing voices.

ABC Radio Fundamentals for Everybody

Chapter VII—Radio Frequency Amplification

By Milo Gurney

FOLLOWING last week's article, in which the operation or functioning of the grid element of the vacuum tube was explained, it should be borne in mind that, under fair conditions, which would include a reasonable proximity to a broadcasting station, additional tubes are not required, nor additions to the circuit shown needed, in order to receive very satisfactory reception through head telephones. If, however, one is interested in having reproduction from a loud speaker, it is then necessary that some form of audio frequency amplifying equipment be added to the receiver. Such an addition is to function only to increase the volume of the rectified current as delivered from the detector. In addition to the above, if one is desirous of extending the distance from which signals are desired, it is then obvious that a means must be employed which will boost the intensity of the signal as received by the antenna to a value of sufficient magnitude to actuate the detector, and such boosting must precede, rather than follow, the detector. In effect, then, we have only to decide whether it is the radio frequency or audio frequency values, or both, which we desire to amplify in order to increase either or both of the desired values.

Three Popular Methods

It will be assumed in this article that the readers are most interested, not only in the functioning of audio frequency additions to the detector circuit, but also as to the relative merits of the several systems now offered to the purchaser, who is becoming more critical, as well as better informed.

Two methods of audio frequency amplification appear dominant this season in the appeals for popularity, one known as transformer coupling, the other as resistance coupling, while a third, which is termed impedance or choke coil coupling, is also making good progress in its struggle for recognition.

Of the three systems, transformer coupled amplification is the more generally used at present, it having gotten off to a generous start, before the other methods, and securing the greatest amount of attention from manufacturers. The circuit used for two stages of such amplification is shown in figure 19 as coupled to the output of a detector. The transformers used comprise two windings, each insulated from the other, of very fine copper wire. One of these windings, as shown at P-1 and P-2 in figure 19 is termed the primary, and is connected with P-1 to the plate output of the detector tube, while the P-2 terminal of this winding is connected to the positive terminal of a B battery supply. The associated, or second winding of the transformer, as shown in figure 19 as G and minus F, is connected with the G terminal to the grid terminal of the next tube in line, while the minus F terminal is connected to the minus F terminal of this tube's socket. To this is also connected the minus terminal of the A or storage battery used to heat the filament. In actual practice, the primary winding is placed within the central opening of the secondary winding, and well insulated from it. The two windings are then placed upon one leg of a laminated metal core, which not only acts as a support for the coils but also functions toward increasing the transfer energy value of the transformer. The total transformer thus assembled is housed in a suitable case to protect the windings from injury, and to make it presentable for sale.

Function of Transformer

Without entering into a discussion, which would be uninteresting, regarding the electrical factors involved, the function of such a transformer is to accept the audio frequencies as passed to it by the detector tube, and transfer these frequencies, without change, to the secondary winding, which passes them on to the next tube in line for further amplification. In doing so, as there is no physical connection between the primary and secondary, the transfer is made inductively. The inductive transfer of energy follows a well-known law in electricity. If two windings or coils are placed in close proximity to each other, and certain electrical conditions maintained, which permit of the current flow being transferred in the right direction, then as one coil is traversed by a current passing through it, there will be induced in the coil associated with it a current identical with that passing through the first coil. Of further interest is the statement that the two coils are designed to step up the voltage or pressure with as high as a six, and sometimes ten, to one ratio.

The current is then passed into the next tube where, in place of acting as a detector, the tube is caused to act as an amplifier and raises the detected energy.

Two such stages are usually capable of delivering all the power which a standard loud speaker can handle, while it is also true that frequently two such stages bring to the last or output tube relatively more than the capacity of the tube. Transformer amplification has much to commend it, its chief asset being that but two additional tubes are required, most other systems requiring three in order to secure an equal volume. Opposed to its use is the fact that at the present state of the art, it has not been possible to so design these transformers that they will amplify with equal clarity and volume the total voice band which is broadcast. This results in a muffling or, at times, the total elimination of either the extreme low notes or the equally extreme high notes received in music. Intensive engineering research has, however, made a considerable advance in this respect, so that the market affords several transformers which are very acceptable.

Amplification Advancing

Resistance interstage coupling for the securing of audio frequency amplification has, during the past year, forged steadily ahead until it now easily holds second place with the Radio fraternity, as

(Continued on page 24)

Radiotone Loud Speaker

Now *Only* $19.95
Was $25.00

The BEST Radio Affords
$1.00 down!

Yes, Genuine Radiotone loud speaker—the same loud speaker that is selling everywhere for $25.00—now at a sweeping cut price, only $19.95 and on easy monthly payments, besides! Only $1.00 with the coupon below brings the Radiotone to your home on approval for 30 days! No radio is complete without a loud speaker—a *good* loud speaker. The whole family may "listen in" at the same time, leisurely—instead of taking turns at the headphones. Or if you have a loud speaker now that isn't satisfactory, that doesn't bring in stations loud and clear, this is your opportunity to get a first class loud speaker—yes, the best and we'll *prove* it on this offer—at an astounding rock-bottom reduced price, direct—and on easy, monthly payments besides!

Makes Your Radio Complete

The Radiotone is the last word in sound reproduction and amplification for radio sets. It is super-sensitive. Brings in distant stations with full volume so every one in the room can hear distinctly and easily. Wonderful clearness and absolute purity of tone. No distortion. No crouching in front of the loud speaker to hear announcements.

The Radiotone has a 14-inch horn made of Thorite in one piece without seam or joint, accoustically correct. This eliminates the metallic clang you often hear in other loud speakers. The reproducing unit is entirely enclosed at the base of the horn. The well balanced construction does away with all vibrations. The Radiotone has a graceful shape with a beautiful black fiorduline finish. It stands 23 inches high and weighs only 15 lbs. No extra batteries needed for the Radiotone—just plug it in as you do your head set. Nothing to wear out or get out of order. Sent complete with cord and plug.

30 Days Trial!

When the Radiotone comes, there's nothing to pay. Use it freely at our risk, on trial for 30 days. See how much more use and fun, you and all the family get from your radio with this loud speaker. See how loud, clear and distinct the Radiotone brings in all stations—better than any other loud speaker you've ever heard, giving you the best that is in your set. After 30 days trial if you think you can get along without the Radiotone, return it to us and we will refund your dollar plus all transportation charges. No red tape. The trial costs you not a cent.

Straus & Schram, Dept. R-9912 Chicago, Ill.

Enclosed find $1. Ship special advertised Radiotone Loud Speaker, I am to have 30 days free trial. If I keep the Radiotone, I will pay you $3.00 monthly, total reduced price, $19.95. The Radiotone is to become my property as soon as you receive the final payment. If not satisfied, I am to return it within 30 days and you are to refund my money and any express charges I paid.

Radiotone Loud Speaker No. Y8728A—$19.95

My Name _____
(Head of the family must sign this order. If you are not of age, have your parent or guardian order for you.)

My Street Address
R.F.D. or Box No. _____

My Post Office _____ *My State* _____

My Shipping Point _____ *I have lived in this Town* _____ *years*

And before that I lived in _____ *Town* _____ *State* _____ *for* _____ *years*

Occupation is _____ *Age* _____ *Married or Single* _____

Give names of merchants who know you personally

Name _____ *Town* _____ *State* _____

Name _____ *Town* _____ *State* _____

If you have ever bought goods **on credit** *by mail, tell us from whom. If there is anything else you wish to tell us about yourself, write on a piece of paper and enclose it with this coupon. But the coupon alone, fully filled out, ought to do.*
That's all we want to know and we're ready to ship the goods at once. No formalities. No C.O.D. We trust rich and poor alike when they merely show us that they are honest.

$3.00 a Month

But if you decide to keep the Radiotone, pay only $3.00 a month until you have paid the special reduced price—only $19.95. See if you can equal this offer anywhere on such amazingly liberal terms. You'll scarcely feel those small monthly payments. Surely, now, you can afford to have the Radiotone—*the best loud speaker*—and get the most fun out of your radio set for all the family.

Send Coupon NOW!

Seize this opportunity on this special offer. Only $1.00 with the coupon brings the Radiotone on 30 days' trial, satisfaction guaranteed, your dollar refunded if not satisfied. Send the coupon *now* while this special offer lasts.

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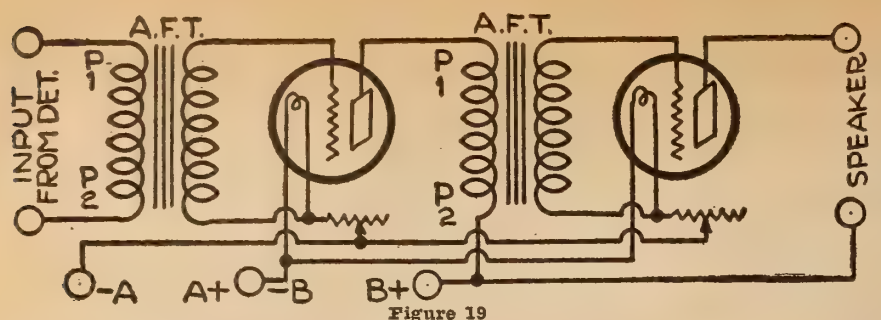


Figure 19

A B C'S OF RADIO SETS

(Continued from page 23)

much of the objections created through misunderstanding of its operative characteristics have been removed.

Resistance coupled audio amplification possesses as its dominant feature the ability to reproduce without distortion the voice or music as broadcast, which is, of itself, a result which all desire. The objection to its use has been that its amplification per stage is only that of the tube, and without any step-up ratio.

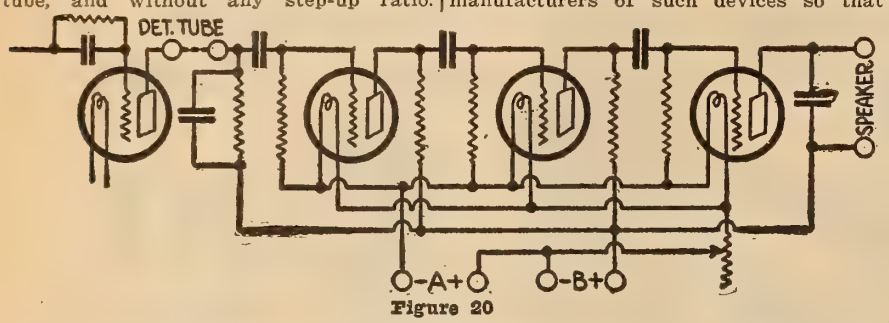


Figure 20

Therefore, in order to secure a volume equal to that of transformer coupling, it is necessary that three stages be used as against two in transformer work, or the use of an additional tube. As tubes are reaching lower price levels, the interest in this form of amplification has increased to the point where it is securing much deserved attention. Another objection which manufacturers of resistance coupling had to live down was the mistaken idea, of the Radio fan, that the B battery drain was excessive. It is true that it requires a higher B battery voltage in order to force the current through the resistances to the plates of the tubes, but that which was not understood, was that the current consumed per stage was less than in other forms.

In actual practice a resistance coupled amplifier consists of but fixed condensers as a means of transferring the fluctuating current from tube to tube, with a resistance of a predetermined value in both the plate to filament and grid to filament circuits, which act as controls to regulate the varying grid action. These values are somewhat critical for very best results but these have been worked out to practical form by the manufacturers of such devices so that success is assured the amateur constructor.

Of late, those manufacturers interested in furthering this type of amplification have sensed the need of supplying tubes whose value as amplifiers of audio frequency current is greater than that found in the ordinary tubes, with the result that one maker has gone so far as not only to market high amplification tubes for the first two resistance coupled stages but has also placed a power tube on the market for the third stage.

(The different types of batteries used in Radio work and how to care for them will be next week's topic.—Editor's Note.)

"VOICE OF PORTO RICO"

(Continued from page 7)

In general WKAQ is broadcasting at present, Tuesday, 9 to 10:30 p. m. from the studio; Wednesday, 8 to 9:30 p. m. band concerts from the Plaza Baldorioty de Castro, and Tuesday, 8:30 to 10 p. m. from Cafe "La Cafetera" (The Coffee Pot). All this schedule is Porto Rico time, which is one hour later than E. S. T.

Even in summer, WKAQ is carrying so far that test concerts in September, 1924, were heard in Spain three consecutive nights.

Porto Rico "The Island of Enchantment in the Caribbean Sea" is now an established part of the Radio world. It had already joined the mainland by amateur Radio through the remarkably efficient efforts of the local division of the ARRL and stations like 4OI, 4SA and 4JE.

And now, just as our sister island Cuba, has carried the music and the spoken word of Cuba into our world wide common property, the ether, so WKAQ "introduced" Porto Rico to the broadcast listeners of both hemispheres.

KMA ADVISES MILLIONS

(Continued from page 6)

daily with an earnest endeavor to "Keep Millions Advised."

Among those to be heard regularly are the following:

The How-do-you-do Singers, Grady Fort and Doc Bellamy, known as the "Applesauce Twins—Brother Jonathan and Ben Davis;" Auntie Blossom (Mrs. Fort) and Miss Lavone Hamilton who appear Mondays and Fridays.

The Mandolin Orchestra, one of the first of its kind on the air.

Franham Trio, classical music.

Nixon's Dance Orchestra — music for home or party dancing.

June Case and Le Ona Teget—domestic science talks.

George Van Houtte, lecturer on world travels and horticulture.

Bob and Babe Riddle, junior entertainers who sing and clog dance.

Mary Stuart Nichols, "Miss Polyanna" —Children's hour.

William Howie, 15-year-old boy organist of First Presbyterian church.

Mayflower Trio, popular music interspersed with talks on flower gardening.

These are the regular entertainers and of course there are many others who are called for features, extras and specials.

"While we do reach out to the millions," said Mr. May, "our special aim is to provide first for the needs of our nearest neighbors in Iowa and surrounding states. We are glad if our service can be made available beyond the ocean and the national borders. We want everyone to keep posted on ideas that are new along the lines in which our people are especially interested. We want to live up to that slogan and "Keep Millions Advised."

Mr. May has an infectious way of bringing out good humor in those with whom he comes in contact in a personal way and also by his voice over the air. He is ably assisted by his wife, who is a graduate of the University of Nebraska and of the National Park Seminary of Maryland. She has specialized as a vocalist and sings for the KMA audiences, often in duet with Mrs. Henry Read. Mrs. May also helps to answer the many thousands of letters that come from Radio fans.

KMA broadcasts on a 252-meter wave length and is on the air daily except Sunday from 11:30 a. m. to 12:30 p. m.; 6 to 7 p. m. and 9 to 11 p. m.

WJAG BIRTHDAY PARTY

(Continued from page 5)

extended into other fields. Out in the sand hills the little farm house, cut off from contact with the world by far reaching roads, had its aerial and "home-made" receiving set. To the dwellers of this home, WJAG carried news of the produce markets, road conditions, affairs of the state and nation. It eliminated distance and brought scattered householders into a neighborly community.

Mr. Stefan inaugurated a telegraph school for amateur senders. Classes were organized in three states through the Norfolk station. By going down to the lower wave length, below the broadcast band, students were taught the codes. Many of these students have "graduated" and now have transmission sets of their own. Others have developed into licensed operators employed at stations scattered over the country.

Many listeners identify WJAG by the "Printer's Devil," a character introduced during the broadcast of a World's Series. Membership cards to the WJAG family bear a red imprint of his Majesty.

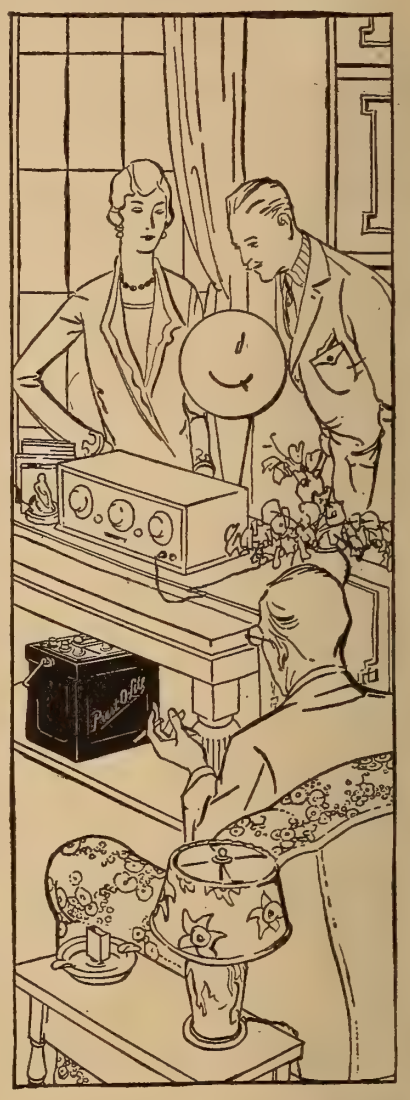
When you tune in on Mr. and Mrs. Salter's party you will know more about this mysterious personage. And you will find the family assembled on the 270 meter wave length, 12:15 p. m., February 20. Other characters to be met will be Old King Corn, Fricasee Chicken, Jack Spratt and wife and the "official constable."

Light to see— power to hear

When you buy a Prest-O-Lite Storage "A" or "B" Battery for your set, you are not only saving money because they cost less, but you are buying radio batteries that are made by a company with over twenty years of manufacturing experience.

Prest-O-Lite Batteries were especially designed for radio in the world's largest electro-chemical laboratories. They deliver their rated Ampere hour capacities at full power, thus lengthening the time between recharging and assuring good reception.

Ask for Prest-O-Lite Radio Batteries. They may be purchased from $4.75 up. It is no longer necessary to take a chance with batteries of unknown make. You will find Prest-O-Lite dealers within earshot of your own loud speaker.



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Send for free booklet

"What every owner of a radio should know about storage batteries" is a little booklet which every radio fan will find interesting and helpful. It is crammed full of hints that will bring surprising radio results—and save you money. It's yours for the asking—without obligation.

Designed especially for radio

Prest-O-Lite

STORAGE BATTERIES FOR MOTOR-CARS AND RADIO

How to Stop Blooping and Man-Made Static

Part II—How and Why Circuits Bloop

By the Technical Staff

THE PROBLEM of eliminating the squealing blooper set that interferes so much with other listeners for many miles around, took on a national aspect at the November Radio conference in Washington. Representation at the conference was composed of all prominent groups identified with the Radio industry, including manufacturers, broadcasters and listeners as well as engineers and mechanicians, which gives the weight of national authority and desire to the resolution unanimously adopted at the conference to the effect that "the manufacture and sale of all radiating receivers for broadcast reception should be discontinued at some definite and reasonable future date . . . . in view of the fact that radiating receivers are potential sources of interference. If the manufacture and sale of such receivers be not discontinued within a reasonable period . . . . legislation to that end shall be sought . . . . because of the benefits which will accrue to the Radio public from the suppression of radiating receivers."

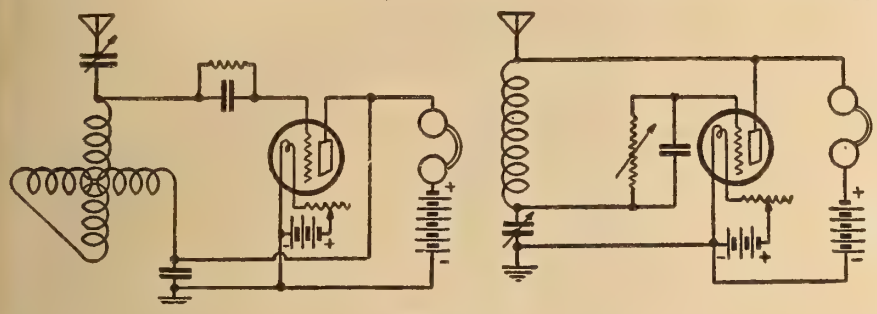


Figure 1

A bill "for the regulation of Radio communications and for other purposes" (H. R. 5589), is now pending in congress, the passage of which will have an effect on the future manufacture, sale and operation of radiating receivers. The bill, which was introduced in the national house of representatives on December 15, 1925, by Representative Wallace White of Maine, chairman of marine and fisheries, provides that: "There is hereby established a national Radio commission consisting of nine members who shall be appointed by the president (of the United States)" and that, "no person, firm, company or corporation shall use or operate any apparatus for the **transmission of Radio energy** or Radio communication or signals . . . . within any state when the effects of such use extend beyond the borders of said state, or **when interference is caused** by such use or operation, with the transmission of such energy, communications or signals **from within the state to any place beyond its borders** or from any place beyond its borders **to any place within the state** or with the transmission **or reception** of such energy, communications or signals **from or to** places beyond the borders of said state."

A fine of "not more than $500 for each and every such offense" is provided for violation of certain sections of the bill, and additional provision is made for "a fine of not more than $5,000 and imprisonment for a term of not more than five years for each and every offense," in cases of more flagrant violations of various provisions of the bill not covered in the previously mentioned penalties.

While radiated interference from blooper sets is serious and widespread, it is beyond the ability of the "interference committee" of any local broadcast listeners' association to remedy or minimize it without the hearty cooperation of all broadcast listeners in the city who own and operate these devices. All that the officers, committees and members of such associations can do in such cases is to try to cooperate in all ways with the owners of radiating receivers, in their improvement and operation, so as to lessen and eliminate this troublesome and unpleasant form of interference. Associations of broadcast listeners have no quarrel with the operator of the radiating set, but desire his membership so that he can profit to the benefit of other listeners, through friendly instruction and cooperation in learning how to properly operate and improve both his receiver and his reception.

Any progress in this direction will, however, depend upon the mental attitude of the listener himself, pending the eventual adoption of federal regulations or enactments that will compel the inconsiderate operator of a squealing blooper to give heed to the rights and pleasures of other listeners over a wide area. Mr. Herbert Hoover's fourth annual Radio conference, held in Washington on November 9, last year, adopted reports and resolutions in this language: "A large portion of all the interference reported in the various Radio districts has been due to radiating receivers, in the past," and further that "it is believed the dissemination of information upon this matter is of the greatest public importance, and that the attention of the press and of the periodicals of the country relating to Radio, should be especially called to it. One of the most effective means of eliminating such interference is to give publicity to methods of operating receivers in such a manner that they will not radiate." This last line might better have been altered to read "that radiation will be reduced to so small a value that interference can be caused only within a hundred feet or so of the receiver." It would be hard to imagine, at this stage of the art, a tube receiver that would not cause at least a little interaction with another in the same city block.

Let's Study Circuits

This being the case, and Mr. Hoover's committee of the opinion that the Radio press might help, let's see what we can do. First of all, consider the pledge card which appears each week in Radio Digest. This week the blank appears on page 3. Fill it out, realizing just what it means, and send it in. True, there is no penalty if you do not live up to the pledge, but at least you have given your word to this publication and the rest of the Radio listeners, that you will try to decrease or eliminate your own blooping. That being settled, we can go into a brief study of circuits as to why and how they bloop—merrily and devilishly.

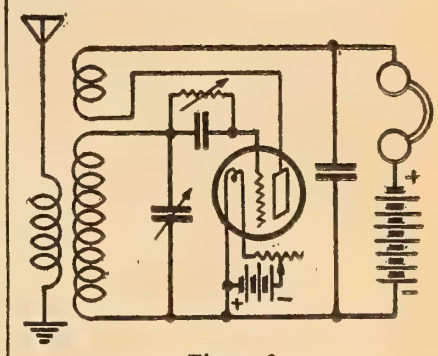
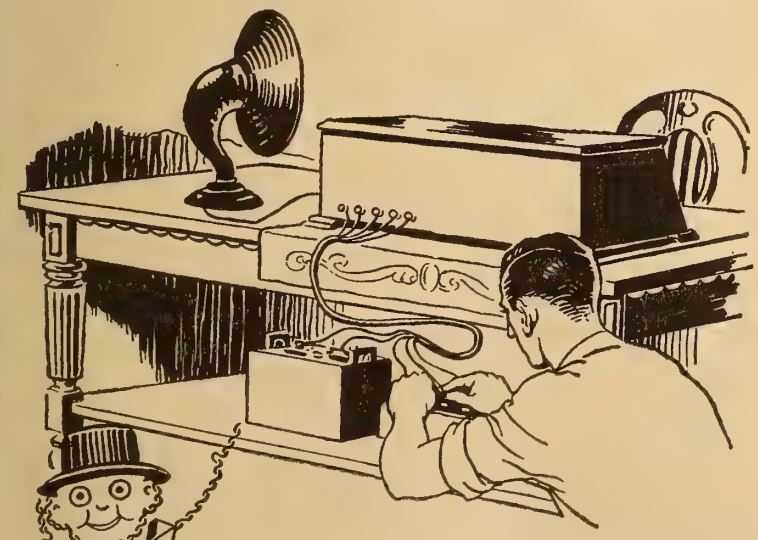


Figure 2

In figure 1 we have the two worst offenders, the two most popular single circuit regenerative receivers. In both cases, there is an antenna circuit to be tuned to the wave length of the station, and an oscillatory circuit also tunable to the station. No more perfect transmitters could hardly be devised. The coupling of the oscillating circuits is as tight to the antenna circuit as it could be. The

(Continued on page 26)



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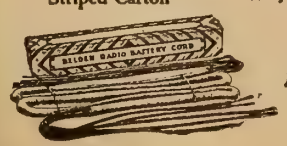

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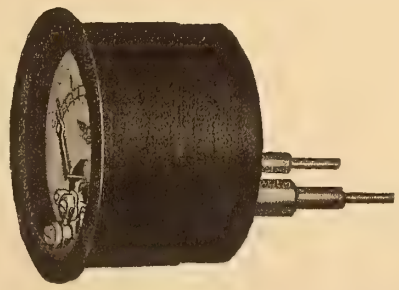

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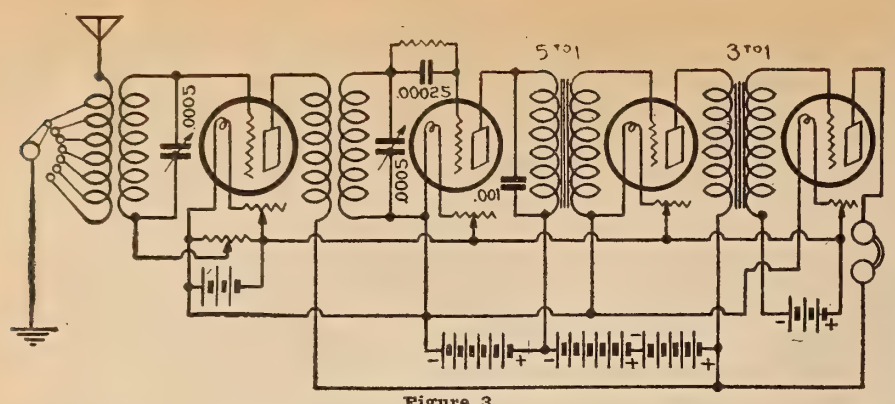

Figure 3

HELP STOP BLOOPING

(Continued from page 25)

antenna circuit gets every atom of energy possible when the tube approaches or goes into oscillation. Worst of all, the control of regeneration is poor, and practically every time tuning is tried, the built up regeneration spills over into a state of out and out oscillation. When the last of these sets has gone to the "land of demolished receivers" a tremendous lot of blooping will be noticeably missing. Don't try to operate this type; you cannot get selectivity yourself and you make reception miserable for hundreds of others.

Correcting the Single Circuit

Now comes the correction for these types. If your means are limited, at least revamp your apparatus into the circuit of figure 2, which is still a potential blooper, but far less so than the first two shown. There are any number of good three circuit tuners on the market. Davenport Laboratories at Davenport, Iowa, make a good one. The Ambassador Sales company of New York have compact low loss types. The Uncle Sam baby tuner will go into just about the space your coil must have occupied in the other type. Your .0005 mfd. 23-plate condensers go into such a circuit perfectly.

If you are a little better fixed financially, it would be even better to add a stage of balanced radio frequency ahead of your present equipment. This will not only decrease or eliminate your radiating offenses but will materially increase your reception range. Complete instructions for building such a stage will be presented later in this series, in fact two or three types will be described. You can purchase one all made up under the name of Penetrola. On the other hand, if you have a set with the circuit of figure 2, and wish to both cut your blooping and increase your range, you can build one of these non-radiation stages to be described, or purchase one built along the lines of that mentioned. You would have a corking good receiver if a stage of balanced tuned radio frequency were added to the circuit of figure 2. It would be just about the equivalent of a Browning-Drake, Samson, Roberts, or Skeeters.

In figure 3 is shown a stage of unneutralized radio frequency which, for purposes of discussion, may be considered as any of the five tube outfits on the market in which oscillation is controlled by varying the R.F. filament brilliancy, varying the grid bias (as shown) or varying the plate potential with a 200,000-ohm resistor. All three of these factors enter into a condition of oscillation. Let us say you have the single stage of R.F. adjusted to maximum regeneration, just below oscillation, or two stages for that matter. If the grid is made slightly more negative with the potentiometer, if the rheostat is turned to increase filament brilliancy, or, if the plate potential (voltage) is raised by cutting out a little resistance, the tube "spills over." Now we're all human; if we have a distant station very faintly, we want to try to get "just a little more" out of the set. And "bang" the old DX-getter spills over, and several hundred others, set to enjoy that program, hear an awful howl. A properly neutralized "neut," a well-built "RFL" set, or any of the correctly de-

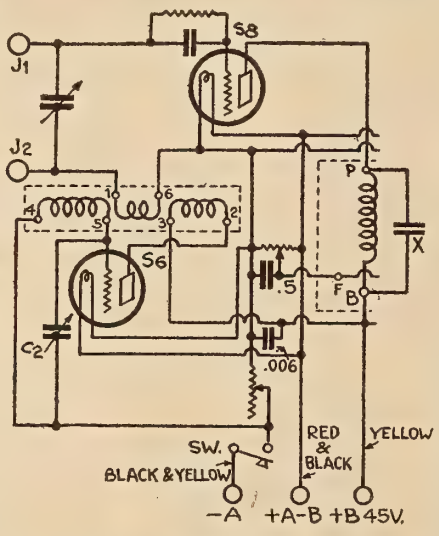

Figure 4

signed "bridges" such as Isofarad, will not quite go over, but few have such outfits.

The Tuned R.F. Remedy

Something has to be done to make it impossible to try to get "just that little bit more" and yet have efficiency. Now presumably you have from $100 to $250 tied up in that set of yours and you're not going to sell it at a loss just because you send out "a little squeal now and then." It will make another dial but you really should, in fairness to all concerned, put one of these "radiation preventers" in front of your set. Then if you want to

(Continued on page 30)

Fred W. Stein.

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Part II—Drilling and Assembly

By John G. Ryan

WHILE THE following point to be discussed will not present you with any problem, the writer is quite sure that most of the readers of this series will be interested in some of the factors that led to the placing of the parts as they have been finally arranged. When the set designer goes below the 200-meter point on the wave length range he runs into what might be called absorption. Parts must be so placed that there is the minimum possible metal of any nature in the fields of the coils and near the variable condensers. This practice is also true in designing broadcast receivers but in this latter work it is to prevent broadening of the tuning while in connection with short wave sets it is to avoid dead spots. If an error is made it will be noticed in tuning that there will be several places in the possible range where regeneration and oscillation cannot be secured.

For example, you might be using the intermediate coil and the grid variable condenser approaches 40 on the dial. The

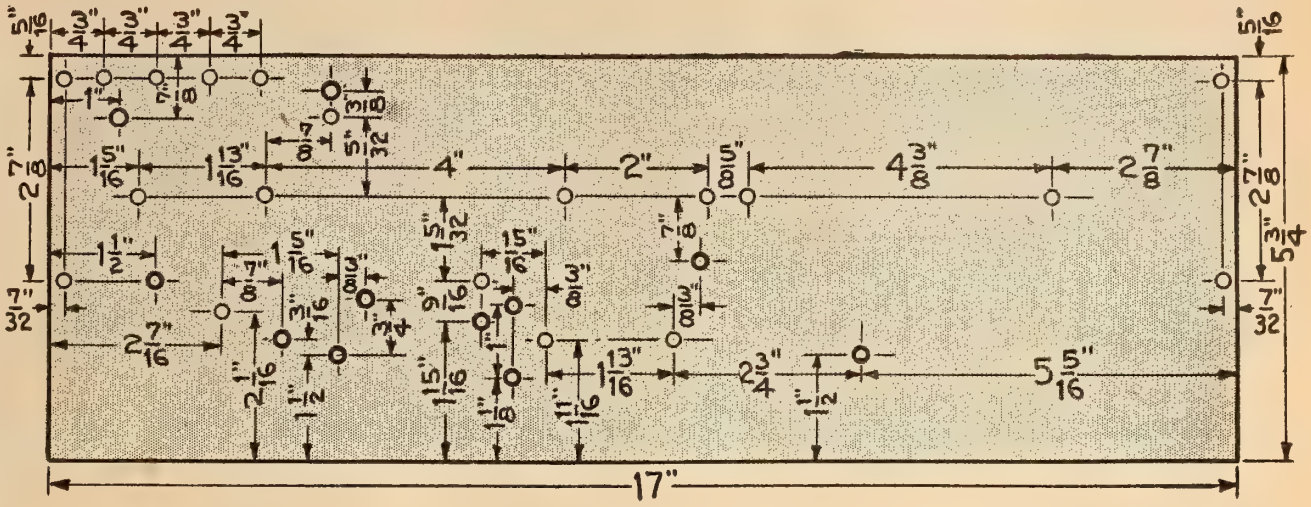

Figure 4

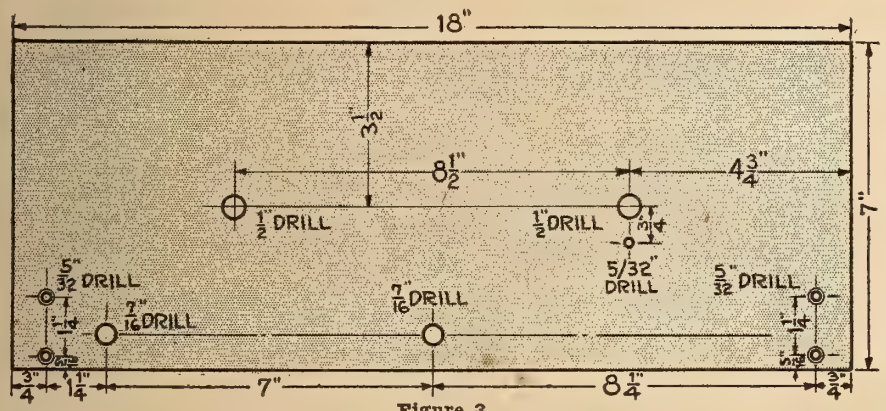

Figure 3

plate variable condenser is being kept in synchronism for maximum regeneration. Suddenly you find that no amount of adjusting will give sensitivity. As you continue up the scale, you find that at

Considering now figure 6, which is the photograph of the top view, you will note that we have been very careful to keep the inductances well back from the variable condenser and the audio transformer,

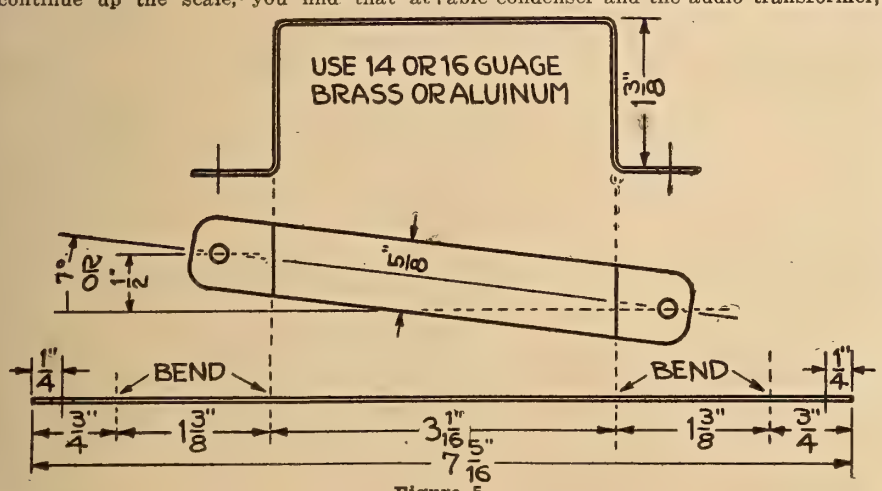

Figure 5

55 and on up to 100, perfect control is possible. Those wave lengths falling between 40 and 55 could not be received over any great distance. There may be as many as three or four such dead bands if care is not used.

with its large masses of iron, well to the left. It might possibly be another inch back from the left variable condenser but as this is the feedback condenser and not the grid circuit capacity, no difficulty has been noticed. No metal other than that in the unit itself is near the right-hand condenser (.00014 mfd. maximum) and none is near the coils. The primary has all the needed room to permit swinging it clear out at right angles. Such loosening of the coupling is necessary in many cases to clear up dead spots due to peculiarities of the antenna installation. With close coupling, the antenna and ground circuit may absorb negative resistance as fed back from the plate circuit preventing regeneration and long range at certain points on the condenser scale.

With these points in mind, we come to the actual assembly of the various parts. Figure 3, presented with this article, shows the drilling of the front panel, while figure 4 shows the drilling of the sub base. In connection with figure 4 it should be called to your attention that holes outlined with a light circle are apparatus mounting holes to be drilled 9/64" or 5/32" while those holes outlined with a heavy circle are to pass the wiring and may be drilled much smaller or to just pass bus bar. At this point I note an omission in connection with the list of parts which should have included a Carter number 103 jack with a list price of 90 cents. This is my error, though I checked that list several times.

The two large holes midway the height of the panel and 8½ inches apart are for the Karas condensers using the single hole mounting feature. As these condensers are now shipped they include a small special wrench for tightening the nut on this mounting which makes this very easy. The condensers are turned so that the short side of the end plates is horizontal with the longer side slanting up to the left. Bradleystat goes in the lower hole in the center and is mounted horizontally, the terminals being up. While drilling the holes in this front panel put a 5/32" hole just ¾" below the left condenser shaft hole. Each Mar-co

(Continued on page 28)

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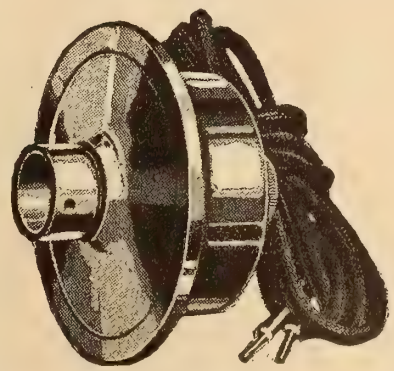

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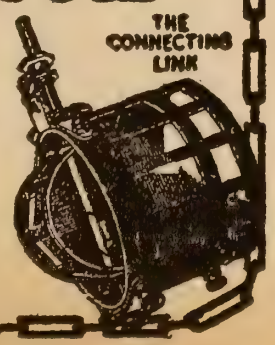

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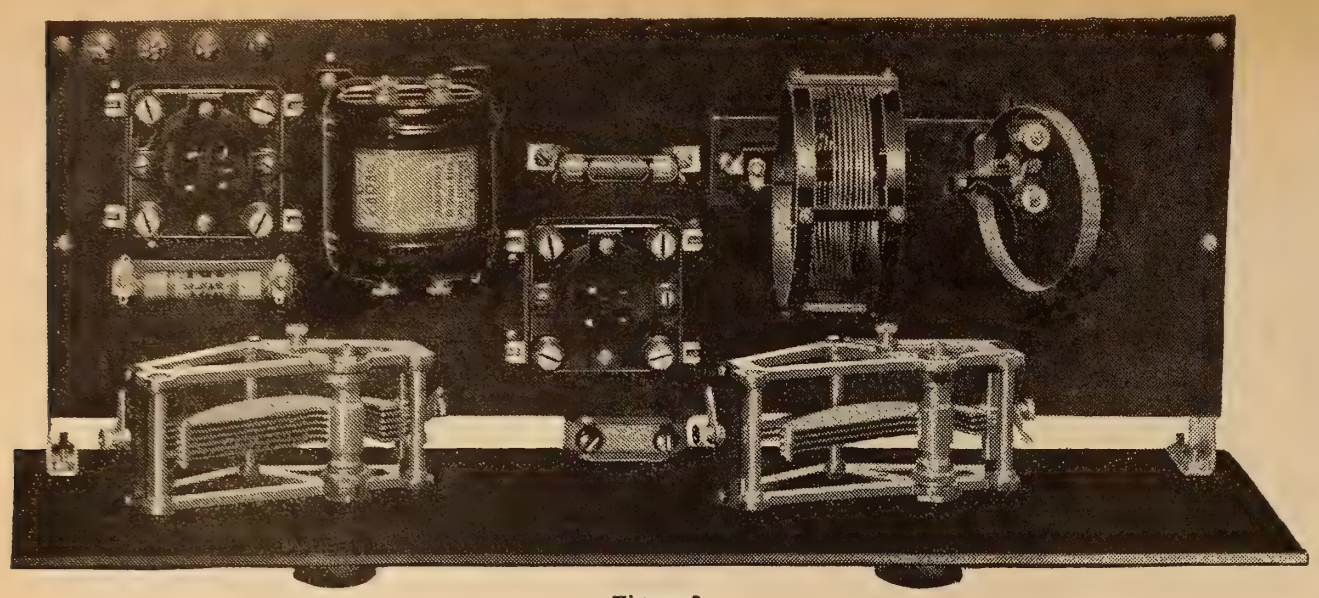


Figure 6

SHORT WAVE RECEIVER

(Continued from page 27)

dial requires an anchor hole. Use care in countersinking the holes for the bracket screws for, if they are overdone, there will be an undesirable little ring showing around the screw head.

Sub Base Layout

Going now to figure 4 on the sub base, the two holes at the left edge are for the Benjamin brackets. At the rear edge, the next four holes are for the Eby binding posts. Going forward a little there is a line of holes clear across sub base. The two at the left, 1 13/16 inch apart are for the Eby socket used as the audio amplifier. We are speaking now only of apparatus mounting holes. The two 4 inches over and 2 inches apart are for the clips of the Daven Leakandenser. The last two to right and 4⅜ inches apart take the Aero coil mounting. At the extreme right edge are two, placed fore and aft for the second bracket.

Down in front and centered are two holes 1 11/16 inches from front and 1 13/16 inches apart for the Eby socket taking the tube used as detector. With these holes all located, no trouble should be had in spotting the three remaining, two of which are for the Karas transformer and one for the Amperite mounting. In connection with the transformer, if P and G are placed to the right, the rear left and front right mounting holes are utilized. When securing the sockets in place, put the P and G terminals to the right in both cases.

Part of the detector grid circuit can be completed when assembling the coil mounting and the Leakandenser. It will be noted that the G terminal of the coil mount is right next to the left end mounting screw. The writer loosened the G plug-in receptacle so that the soldering lug beneath it could be turned to go under the screw holding the left end of the mount to the sub base. On the underside of sub base, a long soldering lug is fastened under the nut holding right end of Leakandenser and turned so its free end goes under the nut on the left end mounting screw of coil mounting. Thus the circuit is completed from the G terminal of coil mount, through the mounting screw, across to right end of Leakandenser, through it to left end. Later it will only be necessary to connect left end of this unit to the G terminal of detector socket.

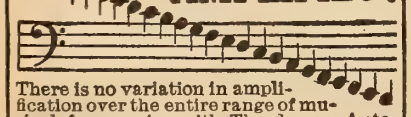
The use of the brass strip shown as figure 5 may not be clear at this stage of the assembly. After the wiring is put in with exception of C battery, an Eveready C battery of the 4½-volt type is secured to the underside of two of the mounting screws which hold apparatus. The strip shown will, if bent correctly, hold the C battery in correct position and underneath the sub base out of the way.

Why Input Is at Right

This short wave set has been designed with the input to the right and output to the left for two reasons. The broadcast listener will use it in conjunction with his 200 to 550-meter set in which the input is at the left and output at the right. The short wave set can be placed to the left and the antenna and ground leads can be brought to a switch-over arrangement placed between the two sets.

(Continued on page 29)

BASE NOTES FULLY AMPLIFIED!



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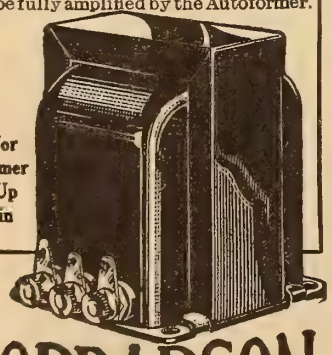

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The Reader's View

You Are Right

I have been interested to read of the federal suit against WJAZ for pirating wave lengths. Believe me, they are not the only ones by any means. WSMB does this regularly to get away from KOA, and I can't say I blame them. KSL, Salt Lake City, (299) has been working about one degree above WLIB (302) for some time. Evidently they couldn't get in between KPRC (296) and WLIB. Quite evidently it is impossible for powerful stations to operate independently on a three meter split or less.

Why do you not come out and admit this editorially. Theoretically, it may sound all right, but actually, I guess no one is better aware of the fallacy than yourself.—R. K. Valley Ranch, N. M.

Disagrees with L. F. W.

I note in your issue of January 2, where L. F. W. of Conway Springs, Kans., is thoroughly "fed up" on the average broadcast program. I wish to make a few comments.

If the type of music he wants was broadcast exclusively, about 75 per cent of the receivers would be abandoned. Furthermore, if he has a receiver that is at all worth while, he can get enough jazz and junk to suit him, without being compelled to listen to programs that are not intended for him at all. There are plenty of stations that feature old-time and popular music.

His last paragraph explains his complete knowledge of music. Eliminating songs with titles in foreign languages would bar most of the worth-while music. He probably has just found out that the majority of favorite operas are in some language not his.—C. R. W., Crenshaw, Miss.

No Innocent Broadcaster

Do you know the color of persuasion that might be used to get some innocent broadcaster to send us a number of something not played by a band or an orchestra?—E. E., Mount Sterling, Ky.

Well, C. E. J., What Kind Is It?

In your column headed "The Reader's View" I noticed that C. E. J. of Boston, Mass., picks up 10-watt stations over a distance of 1,300 miles. I would like to know the type of receiver C. E. J. uses, as I have a very sensative set that does not give such reception. I would like to improve my reception by a tip from C. E. J.— J. M. H., Lake Charles, La.

Moon Should Be Considered

With the international tests completed, may I offer a suggestion in the hope for better results next year? I was successful in hearing only 6KW, Cuba; PWX, Cuba, and CZE, Mexico, the latter being the only station I had not logged before. All these stations came in with clear and distinct volume.

I lay my failure to get more stations to the fact that it was full moon, and herein lies the hint of my suggestion. Why not consider the phase of the moon when fixing the time for the tests? The first two weeks of January were better by far than the last two weeks for distance reception—G. E. M., Pittsburgh, Pa.

Should Answer Letters

As the fans always notice, an announcer will ask listeners to send cards or letters thanking the artists. Now don't you think that after you take your good time to write and thank them for the program or to verify some program, that the least they could do would be to acknowledge

(Continued on page 30)

TOMSK, SIBERIA, FAN WANTS YOUR LETTER

FROM Tomsk, Siberia, to the offices of Radio Digest is quite a span of miles, but Radio has made this distance shorter for at least one Russian there. Alexander Kalachnikoff reads Radio Digest and listens to American stations, both amateur and broadcasting. But he wants to get better acquainted with Americans. Then, too, he has a sister, Vera, eighteen years of ago, who would like to write to American sisters.

Coming as it did from this far-off country, Siberia, where the resources have but been scratched, where a great civilized nation of thousands of millions of people may sometime exist, "Al's" letter quite naturally aroused much interest.

You may read it too. The letter has been but slightly corrected. Note how well he writes English.

"English Speaking Radio Amateurs"

"I am a Russian amateur, who wants to have a friendly correspondence with you. I will be glad if you will send me American literature, books as well as magazines, for which I with pleasure will send you, if you want, Russian postage stamps and paper money issued during the Russian revolution, and also Russian magazines, views etc.

"As to me it is very difficult to pay postage, I beg you to enclose in letters some International postage reply coupons.

"Don't delay to write me! I am waiting! My name and address:

Al. Kalachnikoff,
Tomsk, Siberia, Russia,
Soldatska Street, 66.

"P. S. I have a sister Vera, eighteen years old, who will be glad to correspond with American girls. If you have a sister, let her write a letter to my sister."

He's Just a Lonely Radio Fan

So ends the letter from "Al." He's just a Russian Radio fan, thousands of miles away, and living in a lonely country. He gives no hint of his age, except of course, we may hazard a guess that he is a few years older than his sister, Vera.

The editor says he is going to write to Al, and hopes other people will also correspond. One thing not to forget, however, in mailing a letter to Russia is that the postage required is five cents. International reply coupons may be secured at the post office.

Fans, Here's Something to Puzzle Over—Your Guess Is as Good as Ours

Radio Digest:

Solve this if you can. The man that operates a grain elevator in Meckling, S. Dak., a town nine miles west of here, has a Radio which he uses to get the stock returns and market reports. Another man, Lee Steele, who owns a ranch three miles this side of Meckling, has a large gasoline engine which he uses to shell corn for his cattle.

When Lee Steele, the rancher, has his engine running, the elevator owner can tune in on his Radio and hear the engine and Lee Steele's voice, or any other person's voice who happens to be close to the engine. I did not hear it but other people have when listening in at the elevator. I suggest that Steele be given some call letters.—Maurice Kirby, Vermillion, S. Dak.

AID FARMERS BY RADIO

(Continued from page 4)

If this "National Agricultural College of the Air," assuming the term is permissible, rides upon the crest of popularity (literal and figurative) in keeping with its high purpose and mission of service, it may eventually become a daily instead of a weekly feature. Then a farmer in the vicinity of Waupaca could send a telegram to Washington, telling about symptoms of cholera among his hogs or tuberculosis among his herd of dairy cows and receive helpful information by Radio the following day. This and thousands of other similar illustrations suggest the necessity and the opportunity of Radio in affording timely information to the tillers of the soil.

As an outgrowth of the germ "Fifty Farm Flashes," there will be many offshoots to this big idea of linking the laboratories of the great United States Department of Agriculture to the firesides of farm homes. The fertile brain of the Chief of Radio Service is ebullient with ideas that will both speed up and popularize the unlimited agricultural information on tap in Washington. Already, Mr. Pickard has created the character of "Uncle Bert, the Garden Expert," who like Uncle Josh and similar personages that savor of the soil, is destined to national fame. Uncle Bert would serve as the foster father of thousands of boys and girls who would enlist under the banner "Radio Order of Junior Gardeners." And this, too, is a far-reaching implication because either unintentionally or through neglect the juniors or boys and girls in their teens are not now recognized in the programs of broadcasting stations.

The kiddies, of course, are served their bedtime stories, but the boy who is just putting on his first galluses is not the beneficiary of a special Radio program. Mr. Pickard, with a keen insight into human nature and the quickness to recognize an opportunity, is to supply that deficit or missing link in the field of broadcasting.

The fertile ideas of Mr. Pickard, although his plans are now of a tentative nature, are not those of a theorist. From a wealth of practical experience, as director of KSAC, broadcasting station of the Kansas State Agricultural college, he was drafted by Secretary of Agriculture William A. Jardine, where (in Washington) his intensive and sound ideas will have room for expansion beyond a state boundary to that of a national scope. In other words, a state "College of the Air," with 5,000 farmers as regular students, becomes a "National Agricultural College of the Air," with unnumbered millions of farmers as potential students. Such is the important role to be played by Sam Pickard, and with keen enthusiasm, ripe experience and special training, he will fully measure up to the large duties thus imposed.

SHORT WAVE RECEIVER

(Continued from page 28)

The battery leads can also be brought to this switching arrangement if desired. In the case of the transmitting amateur, he usually has his transmitter, either phone or CW, to the right with the switch-over and key in the center and receiver at the left. Thus this set will fit into his arrangements with short antenna and ground leads.

(The wiring of short wave receiver will be taken up in the third installment to be presented next week.—Editor's Note.)

The vacuum-type lightning arrestor is generally considered the best. Before installing the arrestor the underwriters' rules for the locality in question should be consulted.

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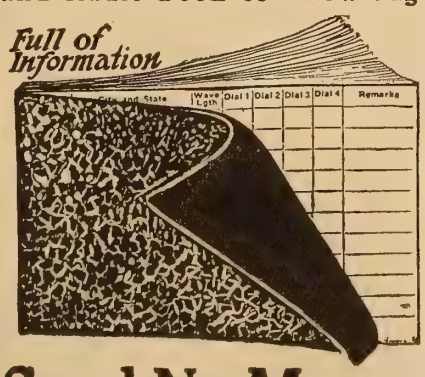

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The Reader's View

(Continued from page 29)

your message, even if it be only a card?

And now, the widely discussed "Who shall pay for broadcasting?" I think that it ought be put up to each city council and at election time have the city vote upon it that the city or county assess all owner of Radios and compel them to pay even one-half mill (.05c) on each hundred dollars tied up in Radio in their home.

Regarding popular and classical music, I, myself, would rather hear a good orchestra play a few jazz numbers than to hear an "old hen" soprano sing "Love's Dawning."—C. A., Columbus, Ohio.

HELP STOP BLOOPING

(Continued from page 26)

bring up the regeneration on DX, and frequently spill over, you can do so without upsetting the whole community. You have the three dials on the set logged for about everything within range anyway, so they can all be found readily on the new dial. Remember, if you do it, and you "sell" two or three other men at the office on the idea, and each of them gets his neighbors to do it, pretty soon your community will be "one sweet place" for Radio reception.

In figure 4 we have a typical input circut for a super-heterodyne. This is not the worst offender, but it causes plenty of trouble. In this case we use an untapped loop with one side going to the grid of the mixer tube (first detector) and the other to its filament. The pick-up coil from the oscillator is connected in that lead going to the filament and therein lies the trouble. The loop will radiate merrily, causing trouble throughout a whole city block. If, instead of a loop, you use an antenna coupler, with tight coupling between antenna circuit and secondary, said secondary being connected to J1 and J2, the grief you cause over a wide area is terrific. One remedy is to cut down the voltage applied to the oscillator so that the oscillations are of low amplitude or strength; very little is required to mix properly and most supers would "perk" a lot better for their owners if only 22 to 30 volts were on that oscillator plate.

Super-Het Suggestions

Another suggestion is the use of one of the radiation preventing stages of balanced tuned R.F. but it will have to be slightly altered from the usual arrangement for use on a super-het. As sold, Penetrola and the rest of them have an output arrangement to be coupled onto a tuner but the super has only a variable condenser and the tuner part must be incorporated into the output of the added stage. The supers mentioned in the first few paragraphs of last week's article each had one, and such a stage will be described later. It will help a great deal to shield your super well—all over—and while you're doing it shield the oscillator from the rest of the set for your own good. The oscillator coils can radiate very well themselves, in all directions, which not only bothers others but gets into parts of your set where you do not want it. The overall shielding will prevent radiation from your intermediate stages when you bring them up to oscillation. True they are long wave oscillations but what a lot of lower wave harmonics they have—anywhere from two to ten and from 100 meters up.

The worst super from the standpoint of radiation is the type with the center tapped loop and the midget condenser going to the plate of the mixer tube. How they can go! The loop circuit is brought up to maximum sensitivity and then the operator (?) starts to bring up the intermediates with the potentiometer. Closer and closer, more and more distortion, then over it goes—taking the mixer or first detector with it. Mixer oscillating, oscillator oscillating, intermediates going full blast, possibly also the second detector. Feature the ethereal racket if that combination is on an aerial instead of a loop. Lots of them are. The secondary of the antenna coupler is center tapped, just as though it were a loop, with a primary of from 6 to 12 turns. If by chance the antenna circuit is tuned with a honeycomb load coil and variable condenser the very maximum in blooping is achieved.

If you must couple to an antenna, first of all take off the center-tap feature, for the sake of humanity; second, move the antenna coil at least an inch from the secondary, and third, take off some turns of the primary coil. This last move will make the step-down ratio greater for oscillations going out and cut down their radiating ability. You'll still have one mighty good super, it will be a lot sharper and, frankly, you'll get a lot purer reproduction. Incidentally, while doing this, completely shield the antenna coupler and its secondary tuning condenser and see how much less local interference you have—also less harmonics from anything within a hundred miles.

(Next week we'll get into the operation of present-day sets for better results with less blooping. Charting dials, and the relationship between regeneration controls and tuning dials, will be among the points considered. Stick with this series as later we'll get into other forms of interference that may bother you—Editor's Note.)

ADVANCE PROGRAMS

(Continued from page 21)

WSAI, Cincinnati, Ohio (325.9m-920kc), 7 p. m., program; 7:30, Hires Harvesters; 8, Clicquot Club Eskimos; 9, Silvertown Cord orchestra, Joseph Knecht, director.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., Monroe Georgia high school orchestra; 10:45, entertainment.

WSM, Nashville, Tenn. (282.8m-1060kc), 6:30 p. m., Francis Craig's orchestra; 7, bedtime story; 8, Vanderbilt university program; 10, Lawrence Goodman, pianist.

Mountain Time Stations

KOA, Denver, Colo. (322.4m-930kc), 12:15 p. m., Rialto theater organ, Marjorie Nash; 6:30, Brown Palace string orchestra; 8, Scheuerman's Colorado orchestra; 8:15, Edith Louise Jones, piano studios; Paul Clarke Stauffer, director; Frank Fowler, Waldo Williamson, cellists; Hans Esser, violinist; Ned Steel, violinist; Stanhope E. Blunt, tenor; Bella Marmor, pianist; Gladys Henshall, Louise Metz, Lawrence Crittenden, pianists; Mark O'Brien, pianist; KOA orchestra.

Pacific Time Stations

CNRV, Vancouver, Can. (291.1m-1030kc), 7:30 p. m., bedtime story, Aunt Ruby; 8:30, Mrs. Lyle Telford, soprano; J. W. Hargrave, tenor; Maud Kier, cellist, operatic solos; 10:30, Cabaret Belmont orchestra, Bebe Mullar, soprano.

KFI, Los Angeles, Calif. (467m-642kc), 5:30-6 p. m., Kenneth Morse and his orchestra; 6, nightly doings; 6:15, KFI's Seeing California; 6:30, vest pocket program; 6:45, Radiotorial period; 7-8, Varied program; 8-9, Aeolian residence pipe organ, Dan L. McFarland, organist; 9-9:30, program arranged by Wm. MacDougall, Scotch comedian; 9:30-10, Mutual Motors mirth contest; 10-11, popular song hour.

KFWB, Hollywood, Calif. (252m-1190kc), 7:10 p. m., Officer E. G. Brown in safety first talk; 7:20, Jack Boaz, hunting and fishing scout; 7:30, "Eye-o-logue," Dr. H. S. Marshutz; 7:45, microphone brevities; 8-9, Ray Bailey's trio; Lois Woody, soprano; Frank Stever, baritone, Estelle Shake, blues singer; 9-10, Mrs. Vivian Kidson, soprano; Tom Breneman, baritone; Warner Brothers syncopators; 10-11, Warner Brothers frolic, direction Charlie Wellman.

KGO, Oakland, Calif. (361.2m-830kc), 7:15-7:30 a. m., health exercises; 7:45, Pep class; 8:15-8:30, exercises; 11:30-1 p. m., Sherman Clay and company luncheon concert; 3-4, Florence Archibald, soprano; Will Murray, tenor; Marie Cain, pianist; 4-5:30, Hotel St. Francis concert orchestra, Vinton Laferrera, conductor; 5:30-6, girls half hour, Esther Wood Schneider, conductor; 6-6:35, Brokaw and his orchestra.

KGW, Portland, Ore. (491.5m-610kc), 12:30-1:30 p. m., concert; 6-7, dinner concert; 8-9, concert; 9-10:30, concert; 10:30-12, frolic, "Keep Growing Wiser Order of Hoot Owls."

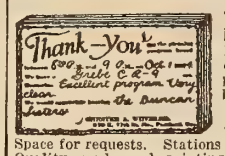
KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., history story, Prof. Hertzog; Richard Headrick and Vyola Von, screen juveniles; Uncle John; 8-10, program, Western Auto Supply company.

KMTR, Hollywood, Calif. (238m-1260kc), 8-10 p. m., KMTR concert orchestra, Loren Powell, directing; 10-11, Starr Piano company studio.

KNX, Hollywood, Calif. (336.9m-890kc), 5-5:30 p. m., Sunny Jim's talk; 5:30-6, Leighton's Arcade cafeteria orchestra; 6, Town Tattler; 6:15, travel talk, W. F. Alder; 6:30-7, Atwater Kent concert orchestra; 7-8, program, Jell-X-Cell company; 8-9, KNX feature program; 9-10, Order of Optimistic Donuts; 10-11, KNX feature studio program; 11-12, Ray West's Cocoanut Grove dance orchestra from Ambassador hotel.

KPO, San Francisco, Calif. (428.3m-700kc), 7, 7:30, 8 a. m., daily dozen exercises; 1:30-2, Rudy Seiger's Fairmont hotel orchestra; 5:30-6, children's period; 6:30-7, Waldemar Lind and the States Restaurant orchestra; 8-9, program; 9-9:10, sports; 9:10-10, Palace hotel dance orchestra, Gene James, director; 10-11, Waldemar Lind and the States Restaurant orchestra.

Get Better Programs



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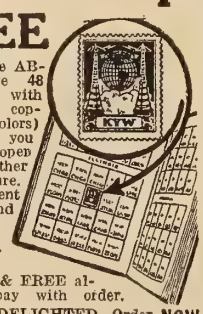

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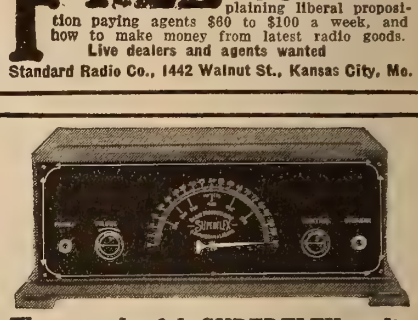

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ONE DOLLAR will be paid to the Radio fan reader of Radio Digest submitting the most errors in any one station's listing in the Directory of Radiophone Stations, which appears in six parts, serially continuously on the next to last page. Letters must reach Radio Digest's office not later than one week from date of issue corrected. Readers are not limited to correcting one station, but such corrections must be verified by the stations themselves, and NOT by comparison to other so-called accurate Radio directories or lists. Verifications must accompany corrections. Turn in corrections for as many stations as you can find—if you can find errors! Use separate sheet of paper for each station submitted and place name and address on each sheet. In case of tie, duplicate awards will be made.

United States (Cont'd)

NOTE.—The third part of the schedule list appears below. The fourth part which consists of the remainder of the list will appear next week.

WEAI, Ithaca, N. Y. 254.1m-1180kc. 500 watts. Cornell University. Irregular.

WEAM, North Plainfield, N. J. 260.7m-1150kc. 250 watts. Borough of North Plainfield. Announcer, H. W. Blackford. Slogan, "America's Pioneer Municipal Broadcasting Station." Fri, 8-12 pm, concert, talks. Eastern.

WEAN, Providence, R. I. 270.1m-1110kc. 500 watts. The Shepard Stores. Announcer, Chester H. Miller. Daily ex Sun, 12-1 pm, 4-5, music, reports, weather, concert; 6:30-10:30. Sun, 10:45-11:30 am, 7:30-8:45 pm, church service. Eastern.

WEAO, Columbus, Ohio. 293.9m-1020kc. 500 watts. Ohio State University. Daily ex Sun, 9:45 am, 11-1 pm, markets, weather; talks to farmers, markets, music; 4, markets. Tues, 9 pm. Wed, 4:10 pm, program for shut-ins; 8, music, lectures. Thurs, 8 pm, lectures, music. Eastern.

WEAR, Cleveland, Ohio. 389.4m-770kc. 750 watts. The Goodyear Tire & Rubber Co. Announcer, H. K. Carpenter. Slogan, "Goodyear Tires WEAR." Daily ex Sun, 11-12:10 pm. Daily ex Sat, Sun, 3:30-4:10 pm, markets, weather. Daily, 7-8 pm. Tues, Thurs, Fri, 8-11 pm. Sun, 3:30-5 pm, 7-10. Eastern.

WEAU, Sioux City, Iowa. 275.1m-1090kc. 100 watts. Davidson Bros. Co. Announcer, W. O. Ducommun. Slogan, "The Heart of the Corn Belt." Daily ex Sun, 9 am, 10, 11, 12 m, 1 pm, 5, markets, weather, sports. Central.

WEBC, Superior, Wis. 241.8m-1240kc. 100 watts. Telegram-Ross Elec. Co. Daily ex Sun, 6:15-8 pm. Mon, 8:30-9:30 pm. Wed, Sat, 9-11 pm. Central.

WEBD, Anderson, Ind. 245.8m-1220kc. 15 watts. Elec. Equip. & Service Co. Announcer, F. R. Fulwider. Tues, Fri, 8:30 pm. Sun, 7:30 pm, service. Central.

WEBE, Cambridge, Ohio. 234.2m-1280kc. 10 watts. Roy W. Walter. Off the air indefinitely.

WEBH, Chicago, Ill. 370.2m-810kc. 1,500 watts. Edgewater Beach Hotel-Herald-Examiner. Announcer, Robert Boniel. Slogan, "The Voice of the Great Lakes." Daily ex Sun, 11:30-12 m, 3-4 pm. Daily ex Sun, Mon, 7-8 pm, 9-10. Daily ex Sun, Mon, Fri, 11-12:30 pm. Fri, 11-12 pm. Sun, 5-6 pm, twilight musicale; 7-9. Central.

WEBJ, New York, N. Y. 272.6m-1100kc. 500 watts. Third Avenue Railway Co. Announcer, H. A. Bruno. Tues, Fri, 7-9 pm. Wed, 8-10 pm. Eastern.

WEBL. 225.4m-1330kc. 10 watts. Radio Corporation of America. (Portable.)

WEBM, Mobile, Ala. 225.4m-1330kc. 100 watts. Radio Corporation of America. (Portable.)

WEBQ, Harrisburg, Ill. 225.4m-1330kc. 10 watts. Tate Radio Co. Announcer, Joseph R. Tate. Slogan, "Blue Bird Station." Daily ex Sun, 7:15-7:30 pm, news, weather. Sun, 3-4 pm, 7-8. Central.

WEBR, Buffalo, N. Y. 243.8m-1230kc. 100 watts. H. H. Howell. Slogan, "We Extend Buffalo's Regards." Daily ex Sun, 7:45-8:30 pm, bedtime stories. Mon, Wed, Fri, 8:30-11:30 pm. Sun, 12 m, 3 pm. Eastern.

WEBW, Beloit, Wis. 268 meters. 500 watts. Beloit College. Announcer, Lee Boynton. Mon, 8-9 pm; Sun, 4:30 pm. Central.

WEBZ, Savannah, Ga. 263m-1140kc. 50 watts. Savannah Radio Corp. Mon, Wed, Fri, 8:30 pm. Eastern.

WEEI, Boston, Mass. 348.6 meters. 500 watts. Edison Elec. Illuminating Co. Announcer, C. R. Emery. Slogan: "The Friendly Voice." Daily ex Sun, 6:45 am., exercises; 7:45, watch. Mon, 4 pm, 5:30, 6:30-10:30, 10:30. Tues, 3 pm, 4, 6:30-10, 10. Wed, 4 pm, 6:30-10, 10. Thurs, 4 pm, 6:30-10, 10. Fri, 4 pm, 6:30-10, 10. Sun. 7:20 pm, 9:20. Eastern.

WEHS, Evanston, Ill. 202.6m-1480kc. 20 watts. Robert E. Hughes.

WEMC, Berrien Springs, Mich. 285.5m-1050kc. 1500 watts. Emanuel Missionary College. Slogan, "The Radio Lighthouse."

WENR, Chicago, Ill. 265.3m-1130kc. 1,000 watts. All-American Radio Corp. Announcer, Frank Westphal. Daily ex Sun, Mon, 6-7 pm, 8-10. Wed, Fri, Sat, 12-2 am. Sun, 2-4 pm, 9:30-11:30. Central.

WEW, St. Louis, Mo. 247.8m-1210kc. 100 watts. St. Louis University. Daily ex Sun, 9 am, 10, 2, 5 pm, reports. Tues, Thurs, 7 pm, lectures, music. Sun, 7:15 pm. Central.

WFAA, Dallas, Tex. 475.9m-630kc. 500 watts. Dallas News and Dallas Journal. Slogan, "Working for All Alike." Daily, 6:30-7:30 am, exercises; 8:30, 9:30, 10:30, 11:30, reports; 12:30, 1:30, 2:30, 3:30, 4:30, reports, news; 5:30, children's hour; 8:30-9:30, concert, weather (silent Wed.). Mon, Tues, Thurs, Fri, Sat, 6:30-7:30 pm, vesper recital, sports. Tues, Thurs, Sat, 11-12 pm, music. Sun, 6-7 pm, Bible class; 7:30, church service; 8:30-9:30, 11-12, music. Central.

WFAM, St. Cloud, Minn. 272.6m-1100kc. 10 watts. St. Cloud Daily Times. Slogan: "Granite City of the World." Announcer, Otto A. Rupp. Daily ex Sun, 4:45 pm, markets. Central.

WFAV, Lincoln, Nebr. 275.1m-1090kc. 500 watts. Univ. of Nebraska. Central.

WFBC, Knoxville, Tenn. 249.9m-1200kc. 50 watts. First Baptist church. Announcer, St. John Reynolds. Sun, 10:45 am; 7:30 pm, services; 4 pm, sacred music. Central.

WFBD, Philadelphia, Pa. 234.2m-1280kc. 5 watts. Gethsemane Baptist church.

WFBE, Seymour, Ind. 225.4m-1330kc. 10 watts. Van de Walle Music and Radio company. Announcer, John Van de Walle.

WFBG, Altoona, Pa. 277.6m-1080kc. 100 watts. The Wm. F. Gable Co. Announcer, Roy F. Thompson. Slogan, "The Original Gateway to the West." Daily ex Sat, Sun, 11:45 am, music; 3:30 pm; 6:30, 8:30. Tues, Fri, 11:15 pm. Sun, 10:30 am; 4 pm, 6, 7:30, 9:15, 11:15. Eastern.

WFBH, New York, N. Y. 272.6m-1100kc. 500 watts. Concourse Radio Corp. Announcer, Alvin E. Hauser. Slogan, "Voice of Central Park," Daily, 11:30 pm. Mon, Tues, Fri, 2-7 pm. Wed, Thurs, Sat, 2-8 pm. Mon, Sat, 11:30 pm. Sun, 5-8 pm. Eastern.

WFBI, Camden N. J. 236.1m-1270kc. 500 watts. Galvin Radio Supply Co.

WFBJ, Collegeville, Minn. 236.1m-1270kc. 50 watts. St. John's university. Announcer, Hilary Doerfler. Slogan, "In the Heart of the Landscape Paradise." Sun, 5-5:45 pm. Central.

WFBL, Syracuse, N. Y. 252m-1190kc. 100 watts. Onondaga Hotel company. Announcer, Ernest E. Chappell. Daily 3-4 pm, 6-8, Tuesday, 9:30-10:30 pm. Thurs, 7:45-10 pm. Fri, 8:15-10 pm. Sat, 11-12:30 am. Sun, 3-4:30 pm, 5-8:30. Eastern.

WFBM, Indianapolis, Ind. 267.7m-1120kc. 250 watts. Merchants Heat and Light company. Announcer, John E. Tribby. Slogan, "The Convention City of America."

WFBR, Baltimore, Md. 254.1m-1180kc. 100 watts. Fifth Infantry, Maryland National Guard. Slogan, "Home of the Star Spangled Banner." Announcer, S. R. Kennard. Daily matinee programs. Tues, Thurs, Sat, evening programs. Sun, afternoon program. Eastern.

WFBZ, Galesburg, Ill. 254.1m-1180kc. 20 watts. Knox college.

WFDF, Flint, Mich. 234.2m-1280kc. 100 watts. Frank D. Fallain. Slogan, "The Vehicle City." Mon, Wed, Fri, 8 pm. Eastern.

WFI, Philadelphia, Pa. 394.5m-760kc. 500 watts. Strawbridge & Clothier. Announcer, John Vandersloot. Daily ex Sun, 10:15 am, reports; 10:30, music; 10:40, home service; 1-1:50 pm, orchestra; 1:50, reports; 3-4:30, concert; 6:30-7, orchestra. Tues, Thurs, Sat, 8, concert. Sun, 10:30 am, 7:30 pm, church services alternating; 9:15, alternate Sundays. Eastern.

WFKB, Chicago, Ill. 217.3m-1380kc. 500 watts. Francis K. Bridgman. Announcer, Horace Kehm. Daily ex Sun, Mon, 7-10 pm. Central.

WFRL, Brooklyn, N. Y. 205.4m-1460kc. 100 watts. Flatbush Radio Laboratories.

WGAL, Lancaster, Pa. 247.8m-1210kc. 10 watts. Lancaster Elec. Supply & Construction Co. Announcer, J. R. Gaintner. Slogan: "World's Gardens at Lancaster." Mon, Wed, Fri, 5:45-6:15 pm, dinner concert. Wed, 11:15-1 am, organ. Eastern.

WGBB, Freeport, N. Y. 243.8m-1230kc. 100 watts. Harry E. Carman. Mon, Wed, Fri, 8-10:30 pm. Sun, 10:40 am, church. Eastern.

WGBC, Memphis, Tenn. 277.6m-1080kc. 10 watts. First Baptist church. Announcer, M. L. Martin. Sun, 9:55 am, 7:30 pm. Central.

WGBF, Evansville, Ind. 236.1m-1270kc. 500 watts. The Finke Furniture Co. Announcer, Harold Finke. Daily ex Sun, 12:10 pm, weather. Tues, Fri, 8-10 pm. Central.

WGBI, Scranton, Pa. 240 meters. 10 watts. Frank S. Megargee.

WGBM, Providence, R. I. 234.2m-1280kc. 100 watts. Theodore N. Saaty.

WGBR, Marshfield, Wis. 228.9m-1310kc. 10 watts. George S. Ives. Sun, 2-4 pm. Central.

WGBS, New York, N. Y. 315.6m-950kc. 500 watts. Gimbel Brothers. Announcer, Floyd Neale. Daily ex Sun, 10-2:30 pm, entertainment; 3-7:30. Tues, 8:30-12. Thurs, 8:30-1 am. Sat, 7:30-12. Sun, 3:30-4:30 pm; 9:30. Eastern.

WGBU, Fulford By-the-Sea, Fla. 277.6m-1080kc. 500 watts. Fulford By-the-Sea Chamber of Commerce. Announcer, Edward C. J. Sandback. Mon, Wed, Fri, 12-1 pm, 6:30-7:30, 11-2 am. Tues, Thurs, Sat, 12-1 pm; 6:30-7:30; 10-1 am. Sun, 9:30-11:30 pm. Eastern.

WGBX, Orono, Me. 252 meters. 500 watts. University of Maine.

WGCP, New York, N. Y. 252m-1190kc. 500 watts. Grand Central Palace. Announcer, Alfred Hall. Slogan, "Four Leaf Clover Station." Daily ex Sun, 3-5:30 pm. Mon, 8:30-10:30 pm. Wed, Fri, 7-8:30 pm. Thurs, 10:30-12 mid. Sat, 8:30-11 pm. Sun, 3-5:30 pm. Eastern.

WGES, Oak Park, Ill. 249.9m-1200kc. 500 watts. Coyne Elec. School. Announcer, John Stamford. Daily ex Sun, Mon, 5-7 pm; 8-9 pm; 11-1 am. Mon, 5-7 pm. Sun, 5-7:40 pm. 11-12. Central.

WGHB, Clearwater, Fla. 265.3m-1130kc. 500 watts. The George H. Bowles Developments. Daily ex Sun, 6:30-7:30 pm; 8:30-9:30; 11:45-1 am. Eastern.

WGHP, Detroit, Mich. 270.1m-1110kc. 1,500 watts. George Harrison Phelps, Inc. Announcer, Harry C. Browne. Daily ex Sat, Sun, 6 pm. Eastern.

WGMU, Richmond Hill, N. Y. 236.1m-1270kc. 100 watts. A. H. Grebe & Co., Inc. (Portable).

WGN, Chicago, Ill. 302.8m-990kc. 1000 watts. Chicago Tribune. Announcer, Bill Hay. Daily ex Sun, 9-9:45 am, news; 10-10:45; 11-11:30; 11:57-12:01 pm, time; 12:01-12:30, music; 3:25; 3:30-4:15, tea time music; 4:30-5, organ; 5:30-5:57, Skeezix; 5:57-6:01, time; 6:20-6:30, bonds; 6:30-7, music. Tues, Thurs, Fri, 11:30-11:57 am, household hints. Tues, Thurs, 12:30-12:40 am, farm talk. Tues, Wed, 3-3:25 pm, talks. Daily ex Sun, Mon, 8-11 pm. Sun, 10:45-11:45 am, Uncle Walt; 11:45-1:45 pm, music; 2-5:15, music; 7-10, Sunday evening concert. Central.

WGR, Buffalo, N. Y. 319m-940kc. 750 watts. Federal Radio Corp. Announcer, Kennth Fickett. Slogan, "Key City of Industry." Daily ex Sun, 12 m, reports; 12:45, concert; 2:30; 6:30 pm, music; 7:30, news. Mon, Wed, Fri, 9-1 am; Tues, Thurs, 8-11 pm, from New York. Sun, 3 pm, vesper; 7:45, church; 9:15, concert. Eastern.

WGST, Atlanta, Ga. 270.1m-1110kc. 500 watts. Georgia School of Technology. Announcer, J. H. Persons. Slogan, "The Southern Technical School with a National Reputation." Mon, 9 pm, Thurs, 7 pm. Central.

WGY, Schenectady, N. Y. 379.5m-790kc. 5,000 watts. General Electric Company. Announcer, Kolin Hager. Daily ex Sun, 11:55 am, time; 12:30 pm, stocks, markets; 12:45, weather. Daily ex Sun, 12:40 pm, fruit, vegetable reports; 6, stocks; 6:10, markets; 6:15, sports, news. Mon, Tues, Thurs, Fri, 2 pm, woman's hour. Tues, Thurs, 2:30 pm, organ. Mon, Tues, Thurs, 6:30-7 pm, dinner program. Thurs, 11:30 pm, organ. Fri, 7 pm; Wed, 6:30, stories. Fri, 6:30 pm, Sunday school lessen; 10:30, late program. Mon, 7:15 pm, agricultural talk. Wed, Fri, 7 pm, orchestra. Sat, 9:30 pm, dance program. Sun, 10:30-12 am, service; 5 pm, organ; 7, Carillon program; 7:30-8:45 pm, service; 8:45 pm, orchestra from WJZ. Eastern.

WHA, Madison, Wis. 535.4m-560kc. 750 watts. Univ. of Wis.

WHAD, Milwaukee, Wis. 275.1m-1090kc. 500 watts. Marquette University. Milwaukee Journal. Announcer, Ed. Banft. Daily, 11 am, weather, news; 4-5 pm, news, markets, current topics, music; 6-7, organ, orchestra; financial reports. Mon, 8-10 pm. Tues, 9-9:30 pm, Wed, 10:30-12:30, Fri, 8:30-10 pm. Central.

WHAM, Rochester, N. Y. 277.6m-1080kc. 100 watts. Univ. of Rochester. Rochester Time-Union, Democrat and Chronicle. Daily ex-Sun, 3:30-4 pm, 5-5:45, 7-7:40. Wed, 8-10 pm. Sat, 10-12 mid. Sun, 3:15, Radio Chapel. Eastern.

WHAP, New York, N. Y. 239.9m-1250kc. 500 watts. William T. Taylor Finance Corp. Announcer, Franklin Ford. Slogan, "The Station for Public Service." Daily ex Sun, 6-11 pm. Sun, 2-3:30 pm. Eastern.

WHAR, Atlantic, City, N. J. 275.1m-1090kc. 500 watts. Seaside Hotel. Announcer, E. Dennison. Daily ex Sun, 2 pm, 7:30, 8. Tues, Fri, Sun, 11:15 pm, organ. Mon, Thurs, 11:30 pm. Sun, 10:45 am; 2:15 pm, 2:45, 7:50, 9. Eastern.

WHAS, Louisville, Ky. 399.8m-750kc. 500 watts. Courier-Journal and Louisville Times Co. Announcer, D. H. Ives. Daily ex Sun, 1-2 pm, 2:30-3:30, 4-5, 7:30-9. Sun, 9:57-10:45 am, 4:30-5:30 pm, church service. Mon night, silent. Central.

WHAT, Minneapolis, Minn. 263m-1140kc. 500 watts. Twin City Business Men's Broadcasting station. Announcer, Dr. George Young. Mon, 6-8 pm, 9-11. Tues, 7-8 pm. Wed, 6-10 pm. Fri, 7-11 pm. Central.

WHAV, Wilmington, Del. 265.3m-1130kc. 100 watts. Wilmington Elec. Spec. Co. Slogan, "The First Broadcasting Station of the First City of the First State." Temporarily discontinued.

WHAZ, Troy, N. Y. 379.5m-790kc. 1000 watts. Rensselaer Polytechnic Inst. Announcer, Rutherford Hayner. Slogan, "Transcontinental and International Broadcasting Station Located at the Oldest College of Science and Engineering in America." Club, R. P. I. students. Mon, 9-12 midnight, concert, educational talks, orchestra, features. Second Monday of month, 12-1:30 am. International test program. Eastern.

WHB, Kansas City, Mo. 365.6m-820kc. 500 watts. Sweeney Auto & Electric School. Announcer, John T. Schilling. Slogan, "Heart of America." Daily ex-Sun, 8:25 am, 9:25, 9:30, 9:35, 10:25, 10:30, 10:35, 11:20, 11:30, 11:35, 11:56, 12 noon, market reports. Daily ex-Sun, Sat, 12:15 pm, 12:30, 1:25, 1:40, stocks; 2, musicale; 3-3:05, U. S. W. B.; 3:05, markets; Tues, Thurs, 7-7:45 pm, dinner hour music; 8-10, evening concert. Mon, Wed, Fri, 7-8 pm. Sat, 12:05 pm, 12:30, 1:25, markets. Sun, 9:45-10:45 am, service; 11-12:15 pm; 8-9:15, service; 11:15-1 am, organ. Central.

WHBA, Oil City, Pa. 249.9m-1200kc. 10 watts. Shaffer Music House.

WHBC, Canton, Ohio. 254.1m-1180kc. 10 watts. Rev. E. P. Graham. Mon, 8-8:30 pm. Eastern.

WHBD, Bellefontaine, Ohio. 222.1m-1350kc. 20 watts. Charles W. Howard (Portable).

WHBF, Rock Island, Ill. 222.1m-1350kc. 100 watts. Beardsley Specialty company. Announcer, C. L. Beardsley. Mon, Wed, 7-9 pm, Sat, 2-4 pm, 7-9. Central.

WHBG, Harrisburg, Pa. 230.6m-1300kc. 20 watts. John S. Skane. Tues, Thurs, 9-12 midnight. Fri, 7:45-9:15 pm. Sun, 9:15-11 pm. Eastern.

WHBH, Culver, Ind. 222.1m-1350kc. 100 watts. Culver Military Academy. Announcer, Charles C. Mather. Mon, 8:30 pm, Sat, 7:15 pm. Central.

WHBJ, Ft. Wayne, Ind. 234.2m-1280kc. 50 watts. Lauer Auto company.

WHBK, Ellsworth, Maine. 230.6m-1300. 10 watts. Franklin St. Garage, Inc.

WHBL, Logansport, Ind. 215.7m-1390kc. 50 watts. James H. Slusser. (Portable).

WHBM, Chicago, Ill. 215.7m-1390kc. 20 watts. C. L. Carrell. (Portable).

WHBN, St. Petersburg, Fla. 238m-1260kc. 10 watts. First Avenue Methodist church.

WHBP, Johnstown, Pa. 256.3m-1170kc. 10 watts. Johnstown Automobile Co. Announcer, J. C. Tully. Slogan, "The Voice of the Friendly City." Wed, 8 pm. Sat, 10 pm. Eastern.

WHBQ, Memphis, Tenn. 232.4m-1290kc. 50 watts. Men's Fellowship class. St. John's M. E. church. Announcer, Dr. George L. Powers. Slogan, "We Have Best Quartet." Wed, 8-9 pm, music. Sun, 9:45-10:45 am, 11, 7:45 pm, services. Central.

WHBU, Anderson, Ind. 218.8m-1370kc. 10 watts. Bing's Clothing-Riviera Theater. Announcer, O. B. Robey. Slogan, "The Home of Chief Anderson." Daily ex Sun, 9-9:30 am, 12-12:30 pm. Wed, Fri, Sun, 7-9 pm. Central.

WHBW, Philadelphia, Pa. 215.7m-1390kc. 100 watts. D. R. Kienzle. Mon, evening.

WHDI, Minneapolis, Minn. 277.6m-1080kc. 500 watts. Wm. Hood Dunwoody Industrial Institute. Announcer, M. R. Bass. Mon, 8-9 pm. Wed, Fri, 9-10 pm. Central.

WHEC, Rochester, N. Y. 258.5m-1160kc. 100 watts. Hickson Electric company, Inc. Announcer, Maurice Clark. Slogan, "With Hickson Elec. Co." Daily ex Sun, 5:30-6 pm, triwlight program; 6:30-7 orchestra. Eastern.

WHK, Cleveland, Ohio. 272.6m-1100kc. 250 watts. Radio Air Service Corp., Winton Hotel. Slogan, "Cleveland, the Convention City." Daily ex Sun, 6:30-7:30 pm. Thurs, 7:30-9 pm, musicale. Sun, 10:30 am, service; 6:15-7:15, 7:45-8:30, Bible lecture; 8:30-10, music. Eastern.

WHN, New York, N. Y. 360m-833kc. 500 watts. Loew's State Broadcasting Station. Announcer, N. T. Grandlund. Slogan, "The Voice of the Great White Way." Daily ex Sun, 12-1 pm, 2:15-3:15, 3:45-5:30, 6:30-12 midnight. Sun, 3-6 pm, 9:30-12. Eastern.

WHO, Des Moines, Ia. 526m-570kc. 5,000 watts. Bankers Life Co. nAnnouncer, N. Dean Cole. Daily ex Sun, 9:45 am, 12 m, 2 pm, markets, weather. Mon, Tues, Thurs, Fri, 7:30-9 pm. Weds 6:30-7:30 pm, 7:30-9, 9-10, 10-11:30. Fri, 11-12 mid. Mon, Tues, Thurs, 11-12 midnight. Sun, 11 am, 1 pm, 7:30-8:30. Central.

WHT, Chicago, Ill. 238m-1260kc, 399.8m-750kc. 2500 watts. Wrigley Bldg. Announcer, Patrick Henry Barnes. Daily ex Sun, Mon, (399.8), 10-2 pm, 6-7:30, 9:30-1 (238), 7:45-9:15 pm. Mon, (399.8), 11-2 pm, 7-1 am, Sun, 12-11:30 pm, Paul Rader. Central.

WIAD, Philadelphia, Pa. 249.9m-1200kc. 100 watts. Howard R. Miller. Slogan, "The Voice from the Birthplace of Liberty." Tues, Fri, 9 pm. Eastern.

WIAS, Burlington, Ia. 254.1m-1180kc. 100 watts. Home Elec. Co. Announcer, Harry H. Waugh. Slogan, "Burlington, on the Mississippi." Tues, 8-9 pm, concert. Thurs, 7-8 pm, concert. Sat, 10:30-11, organ. Sun, 10:30 am, church services. Central.

WIBA, Madison, Wis. 236.1m-1270kc. 100 watts. The Capital Times. Announcer, Trevor Griffiths. Slogan, "Four Lakes City." Mon, Wed, 8:45-10 pm. Fri, 8:45-10:30 pm. Sat, 12:01-2 am. Central.

WIBG, Elkins Park, Pa. 222.1m-1350kc. 50 watts. St. Paul's Protestant Episcopal church. Announcer, Stuart C. Mahaney. One Monday a month Agontz Forum speaks. Sun, 10:45 am, 3:45 pm. Eastern.

WIBH, New Bedford, Mass. 209.7m-1430kc. 30 watts. Elite Radio Stores. Announcer, J. T. Moriarty. Slogan, "The Voice of New Bedford." Daily ex Sun, 12-1:30 pm. Sun, 1-3 pm. Eastern.

WIBI, Flushing, N. Y. 218.8m-1370kc. 50 watts. Frederick B. Zittell, Jr.

WIBJ, Chicago, Ill. 215-7m-1390kc. 50 watts. C. L. Carrell. (Portable).

WIBM, Chicago, Ill. 215.7m-1390kc. 10 watts. Billy Maine. (Portable).

WIBO, Chicago, Ill. 225.4m-1330kc. 1,000 watts. Nelson Brothers. Announcer, Wayne Meyers. Daily ex Sun, 2-4 pm. Daily ex Sun, Mon, 6-8 pm. Tues, Thurs, 12-3 am. Wed, 10-12 midnight. Fri, 10-2 am. Sun, 10:15 am, service; 2-4 pm, concert; 6-8, 10-12. Central.

WIBR, Weirton, W. V. 245.8m-1220kc. 50 watts. Tri-State Radio Co. Announcer, W. D. Johnston. Slogan, "The Town Where Everybody Works." Fri, 8:30-11 pm. Sat, 11-1 am. Sun, 2-3 pm. Eastern.

WIBS, Elizabeth, N. J. 202.6m-1480kc. 10 watts. New Jersey National Guard.

WIBU, Poynette, Wis. 222.1m-1350kc. 20 watts. The Electric Farm.

WIBV, Henderson, N. C. 263m-1140kc. 500 watts. Jewell Radio Co.

WIBW, Logansport, Ind. 220.4m-1360kc. 100 watts. Dr. L. L. Dill.

WIBX, Utica, N. Y. 205.4m-1460kc. 150 watts. Grid-Leak, Inc.

WIL, St. Louis, Mo. 272.6m-1100kc. 250 watts. St. Louis Star and Benson Radio Co. Announcer, Billy Knight. Slogan, "Watch It Lead." Tues, 4-5 pm; Thurs, 4-5 pm; 8-12. Sat, 4-5 pm; 10-12. Central.

WIOD—?

WIP, Philadelphia, Pa. 508.2m-590kc. 500 watts. Gimbel Bros. Announcer, E. A. Davies. Slogan, "Watch Its Progress." Daily ex Sun, 7-7:30 am, 1-2 pm, 3-4:30, 6-6:45, music; 7-7:30 pm. Tues, Thurs, Sat, 8-12 pm, concert. Sun, 10:45-12 noon, 4:15-5:30 pm, 7:45-9, 10-12. Eastern.

WJAD, Waco, Texas. 352.7m-850kc. 500 watts. Barton's Dyanshine Station. Mon, Tues, Thurs, Fri, 8:30-10 pm. 1st and 3rd Wed, 8:30-9:30 pm. Central.

WJAG, Norfolk, Nebr. 270.1m-1110kc. 200 watts. Norfolk Daily News. Announcer, Karl Stefan. Slogan, "The World's Greatest Country Daily, and Home of Printer's Devil." Daily ex Sun, 12:15 pm; Sun, 3:30-6 pm, music. Central.

WJAK, Kokomo, Ind. 254.1m-1180kc. 50 watts. Clifford L. White. Slogan, "The Radio Parson." Daily ex Sun, 12 noon, news. Sat, 6 pm, Sunday school lesson. Central.

WJAM, Cedar Rapids, Iowa. 267.7m-1120kc. 100 watts. D. M. Perham. Tues, Thurs, Sat, 7-10 pm. Sun, 4 pm, vesper service. Central.

WJAR, Providence, R. I. 305.9m-980kc. 500 watts. The Outlet Co. Announcer, J. A. Reilly. Slogan, "The Southern Gateway of New England." Daily ex Sun, 1:05-2:15 pm, weather, reports, music. Mon, Wed, Fri, 10:45 am, household hints. Mon, 7:30-11 pm. Tues, 7:30-10 pm. Wed, 7:30-10:30 pm, Thurs, 7:45-11 pm. Fri, 7:30-10 pm, 11-12. Sun, 7:20-10:15 pm. Eastern.

WJAS, Pittsburgh, Pa. 275.1m-1090kc. 500 watts. Pittsburgh Radio Supply House. Pickering's Studio. Announcer, Bryan McDonald. Slogan, "World's Jolliest Aerial Station." Daily ex Sun, 7-8 pm, dinner concert; 8-11. Sun, 2 pm. Eastern.

WJAX, Jacksonville, Fla. 336.9m-890kc. 1000 watts. City of Jacksonville.

WJAZ, Chicago, Ill. 322.4m-930kc. 1,500 watts. Zenith Radio Corp. Announcer, E. F. McDonald, Jr. Wed, Sat, 9-2 am. Thurs, 10-12 midnight. Sun, 7-9 pm. Central.

WJBA, Joliet, Ill. 206.8m-1460kc. 50 watts. D. H. Lentz, Jr. Tues, Thurs, Sat, 7-12 midnight. Central.

WJBB, St. Petersburg, Fla. 254.1m-1180kc. 10 watts. L. W. McClung.

WJBC, La Salle, Ill. 234.2m-1280kc. 100 watts. Hummer Furniture Co. Announcer, Harry Halpin. Daily ex Sun, 12:30-1 pm. Mon, 8-11 pm. Central.

WJBG, Charlotte, N. C. 223.7m-1340kc. 10 watts. Interstate Radio, Inc.

WJBI, Red Bank, N. J. 218.8m-1370kc. 250 watts. Robert S. Johnson.

WJBK, Ypsilanti, Mich. 232.4m-1290kc. 10 watts. Ernest F. Goodwin.

WJBL, Decatur, Ill. 270.1m-1110kc. 500 watts. William Gushard Dry Goods Co. Announcer, H. B. Rickards. Mon, Wed, Sat, 9:30-11 pm. Central.

WJBP, Buffalo, N. Y. 218.8m-1370kc. 50 watts. Seneca Vocational School.

WJBQ, Lewisburg, Pa. 211.1m-1420kc. 100 watts. Bucknell University. Slogan, "In the Heart of the Keystone State."

WJJD, Moosehert, Ill. 370.2m-810kc. 1,000 watts. Loyal Order of Moose station. Announcer, Jack Nelson. Slogan, "The Call of the Moose." Daily ex Sun, Mon, 12-1 pm, 2-3; 4-5 pm, children's program; 6-7 pm, 10-11, 12:30-2 am. Sun, 7:45-8:40 am, services; 9:45-11 am, services; 3-4. Central.

WJR, Pontiac, Mich. 516.9m-580kc. 5,000 watts. Jewett Radio and Phonograph Co. Slogan, "Where Joy Reigns." Announcer, Leo Fitzpatrick. Daily ex Sun, 7-8 pm, 9-10. Thurs, Sat, 10-11 pm. Mon, Wed, Sat, 11:30-1 am. Eastern.

WJY, New York City. 405.2m-740kc. 5,000 watts. R. C. A. Announcer, J. Lewis Reid. Tues, Thurs, Fri, 7:30-11:30 pm, concert. Sun, 8:15-10:30 pm. Eastern.

WJZ, New York, N. Y. 454.3m-660kc. 5,000 watts. R. C. A. Announcer, Milton J. Cross. Daily ex Sun, 10-11 am, 1-2 pm, 4-6, entertainment; 7-11:30 pm, special program. Sun, 11-1 pm, church services; 2:30-5 pm, 7-10:30 pm. Eastern.

WKAF, Milwaukee, Wis. 260.7m-1150kc. 500 watts. Kesselman-O'Driscoll-Hotel Antlers. Announcer, Robert F. Hall Co. Mon, Wed, Fri, 10-11 pm; Thurs, 8:30-10 pm. Sat, 8:30-10 pm; 11:30-1 am. Sun, 4-6 pm. Central.

WKAQ, San Juan, Porto Rico. 340.7m-880kc. 500 watts. Radio Corporation of Porto Rico. Announcer, Joaquin Augusty. Slogan, "The Island of Enchantment, Where the World's Best Coffee Grows." Wed, 8-10 pm, band. Thurs, 8:30-10 pm., Rialto theater orchestra. Fri, 9-10 pm, Porto Rican Atheneum, talks. Intercolonial.

WKAR, East Lansing, Mich. 285.5m-1050kc. 1,000 watts. Michigan State College. Announcer, Jim Gamble. Mon, Wed, Fri, 7-9 pm. Tues, Thurs, 7-8 pm. Sat, 12:30-2 am. Eastern.

WKAV, Laconia, N. H. 223.7m-1340kc. 50 watts. Laconia Radio Club. Fri, evening concerts. Sun, 10:30 am; 6:30 pm. Eastern.

WKBB, Joliet, Ill. 214.2m-1400kc. 100 watts. Sanders Brothers. Wed, 6:30-8:30 pm. Thurs, Sun, 8:30-12 midnight. Central.

WKBE, Webster, Mass. 230.6m-1300kc. 100 watts. K. & B. Electric Co. Mon, 8-12 midnight. Eastern.

WKBG, Chicago, Ill. 215.7m-1390kc. 100 watts. C. L. Carrell. (Portable.)

WBNY, New York, N. Y. 209.7m-1430kc. 500 watts. Shirley Katz.

WKRC, Cincinnati, Ohio. 422.3m-710kc and 325.9m-920kc, alternate months. 1,000 watts. Kodel Radio Corp. Announcer, Eugene S. Mittendorf. Mon, 6:15-7 pm, 8-10, 12-1 am. Tues, Thurs, Sat, 10-12 midnight. Wed, 6:15-7 pm; 8-10 pm, 12-1 am. Sun, 6:45-7:30 pm, 10-12, 12-1 am. Central.

WKY, Oklahoma City, Okla. 275.1m-1090kc. 100 watts. E. C. Hull, H. S. Richards. Daily ex Sun, 9 am, 12 noon, 2:30 pm, markets, weather; 7-8:30, music. Sun, 11 am, 7:30 pm, services. Central.

WLAL, Tulsa, Okla. 249.9m-1200kc. 100 watts. First Christian church. Announcer, R. W. Burkhart. Slogan, "The Voice of the Church." Sat, 7:30 pm, Bible class. Wed, 9:30 pm. Sun, 7:30 pm, church. Central.

WLAP, Louisville, Ky. 275.1m-1090kc. 20 watts. W. V. Jordon. Tues, Fri, 9:20-10 pm. Central.

WLBL, Stevens Point, Wis. 277.6m-1080kc. 500 watts. Wisconsin Dept. of Markets. Slogan, "Wisconsin, Land of Beautiful Lakes." Daily ex Sun, 8:45 am, 9:45, 10:45, 11:45, 12:30 pm, 1:45, markets. Tues, Thurs, 8 pm. Mon, Fri, 6 pm. Central.

WLIB, Chicago, Ill. 302.8m-990kc. 2,500 watts. Liberty Magazine. Announcer, Bill Hay. Daily ex Sun, Mon, 7-8 pm, 11-1 am. Sun, 5-6 pm. Central.

WLIT, Philadelphia, Pa. 394.5m-760kc. 500 watts. Lit Bros. Announcer, Harry E. Ehrhart. Club, "Morning Glory." Daily ex Sun, 12:02 pm, music; 2, music. Mon, 4:30 pm, 7:30, 8, 10. Tues, 11 am. Wed, Thurs, 4:30 pm. Wed, 7:30 pm, 8, 10, 11. Fri, 7:30 pm, 8:45, 10. Eastern.

WLS, Chicago, Ill. 344.6m-870kc. 5,000 watts. Sears, Roebuck & Co. Slogan, "World's Largest Store." Daily ex Sun, 9 am, 11, markets; 12-1 pm, music; 2, markets; 3-4, homemakers' hour. Daily ex Sun, Sat, 6-6:40, supper program; 6:40, organ. Tues, 7, lullaby time; 7:20, music. Wed, 7-12 midnight. Thurs, 7 pm, 7:20. Fri, 7-12 midnight. Sat, 7-12 midnight. Sun, 6 pm, prelude; 7-7:55, WLS Little Brown church. Central.

WLSI, Providence, R. I. 440.9m-680kc. 500 watts. Dutee W. Flint, Inc.

WLTS, Chicago, Ill. 258.5m-1160kc. 100 watts. Lane Technical High School. Fri, 1-2 pm. Central.

WLW, Cincinnati, Ohio. 422.3m-710kc. 5,000 watts The Crosley Radio Corp. Announcer, William Stoess. Daily ex Sun, 10:45 am, 11:55, time; 1:30 pm. Daily ex Sun, Fri, 7, dinner hour; 6:55, markets. Daily ex Sat, Sun, 7:45 am, morning devotions; 8, exercises; 12:15, program; 3, 4, reports. Mon, Tues, 8-10 pm. Wed, Thurs, 10-12 midnight. Sun, 9:30 am, 11, 7:30 pm, 8:30. Central.

WLWL, New York, N. Y. 288.3m-1040kc. 1,500 watts. The Paulist League. Announcer, James F. Cronin. Slogan, "For God and Country." Mon, Wed, Thurs, 9 pm. Sun, 8 pm. Eastern.

(Note—The fourth part of the directory will appear next week.)

FRESHMAN *Announces* Another Sensation!

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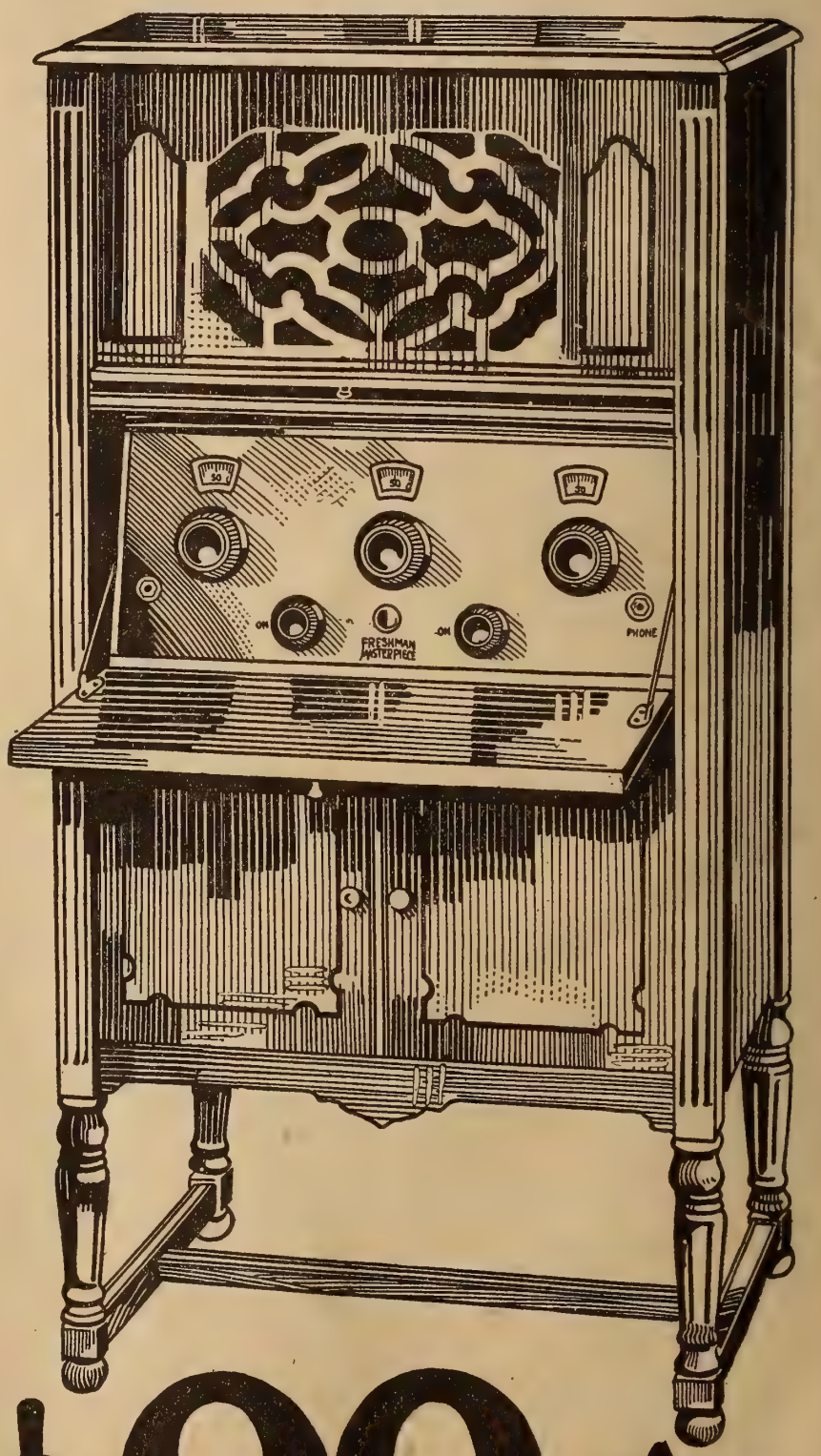

The World's Greatest Radio Receiving Set

Freshman's latest sensation, illustrated here, has a real appeal to the women of the home. It is built of five-ply genuine mahogany; a handsome piece of furniture that fits in any corner of any sized room. It is compact and comparatively small, giving it preference over clumsy consoles. Contains an especially large tone chamber,

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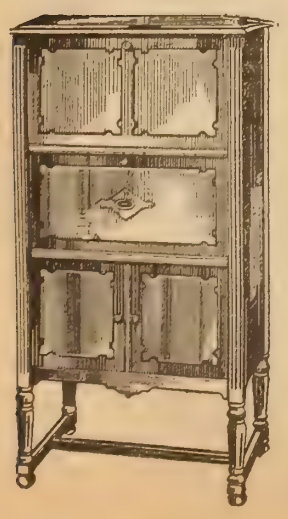

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Write for free illustrated booklet, describing this handsome console in detail.

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MAR-1'26

Thrilling $500 Prize Story Begins

Radio Digest

EVERY WEEK — PROGRAMS Illustrated — TEN CENTS

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"Mounties" Greet Return of Arctic Sun; Dizzy I… …uh" Club; Women's Programs; When and Where Prize Story Radario Will Be … …st; How to Care for Batteries

LOPEZ GIVES MEDAL TO PROMOTE PEACE

ANNUAL AWARD FOR BEST GOOD-WILL BROADCAST

Famous Musical Artist Believes Radio Greatest Medium to Break International Hatreds

The employment of the Radio as an effective channel for the advancement and maintenance of world peace was given fresh impetus recently when Vincent Lopez announced the establishment of the "Vincent Lopez Medal."

The well-known Radio artist stated that he would give annually an award to the individual who, in the opinion of a chosen committee, contributed the broadcast designed to bring about the greatest measure of international good will.

Shortly after Mr. Lopez returned with his musical artists from a recent European trip, he expressed the belief that the most effective means of breaking down international prejudices was through the medium of the Radio.

By International Committee

Mr. Lopez intends to award the medal with the assistance of a committee including representatives of each country in which Radio is extensively employed. In addition to these representatives he will ask prominent editors in the large American, European and South American cities to serve. This body will be known as the committee of recommendations, and the actual award will be decided upon by a further body composed of prominent American citizens and members of the various diplomatic corps in Washington.

The "Vincent Lopez Medal" will be designed by a prominent artist and will be cast of precious metal in combination with metal obtained from scrapped military and naval armament.

Pioneer Station to Return to Air Soon

WARC, Formerly WGI, Is Ready to Resume Broadcasting Under Powel Crosley's Direction

BOSTON, Mass.—When WARC here goes on the air shortly with their former wave length of 261 meters, fans will find that the interference that characterized the old station has been eliminated. The steel masts of the old "Amrad"—WGI station which radiated and caused considerable trouble, will not be used by the new station. All the equipment is new and just as soon as a suitable location for a Boston studio has been found, WARC again will be on the air.

WGI was formerly the station of the American Radio and Research corporation, the pioneer broadcaster of the country, although KDKA was the first to obtain a broadcast license and, thus, according to governmental records, the first broadcaster.

But WGI began sending June 5, 1915, and was on the air for six months before people in and around Boston could be convinced that with a crystal set they would be able to pick music out of the air.

The station is now controlled by a new corporation headed by Powel Crosley, Jr., who owns controlling stock, and Harold Power, founder of the old Amrad concern and president of the new company.

Chez Pierre Studio Offers WJAZ Variety in Programs

CHICAGO.—The recent opening of the new Chez Pierre studio of WJAZ, Zenith station here affords a diversified program, partly dance music and partly semi-classical and popular music, which will be broadcast each Tuesday and Friday evening from 9:00 p. m. to 1:00 a. m., Central time.

At the Chez Pierre, Mr. Pierre Nuyttens has his beautiful studio work shop, and it is this studio which is being used for a broadcasting room by WJAZ on these nights. Artists are surrounded here by thousands of dollars worth of original paintings and etchings. The atmosphere is conducive to inspire the artists' very best musical efforts.

KJBS Broadcasts Program as Fire Threatens Building

SAN FRANCISCO.—Despite a fire raging beneath its studio and operating room, and only eight minutes after the fire department had been called, KJBS, this city's "baby broadcaster," was on the air with a musical program. During the fire, which for a time threatened the building housing the station, the studio was so filled with smoke artists could hardly sing for choking. Edward Ludes, chief announcer, was hero of the day.

SOVIET WORKERS ARE INSTRUCTED BY RADIO

Red Government Uses Air to Spread Propaganda of Union

WASHINGTON, D. C.—Over a million Radio fans in the Soviet Union listen in on the programs of the government stations every day, according to a report of the Soviet Radio industry received by the Russian information bureau here. The number is increasing by scores of thousands each week.

Village libraries in 400 villages in Moscow and Leningrad provinces have been equipped with powerful receiving sets and loud speakers, and 300 workers' clubs in the two cities have been similarly fitted out.

The big transmitting stations at Moscow and Leningrad are wired to all the principal theaters, concert halls, public meetings places and lecture halls.

Beg Pardon!

KTAB, Tenth Avenue Baptist church, Oakland, Calif., was reported erroneously in Radio Digest as one of the broadcasting stations which disregarded one or more or the International Radio week silence periods.

This mistake, which occurred in the February 13 issue, is sincerely regretted inasmuch as KTAB has shown that it did not violate any of the silence periods. Although many listeners heard the call letters KTAB, some amateur is believed to have perpetrated the trick.

RUTH ALLANSON, HIT AT KYW, IS ON COVER

WITH the increasing popularity of the semi-classical program, grows the admiration for the girl whose face adorns the cover this week. She is Miss Ruth Allanson, staff artist at the Congress hotel of KYW, Chicago. She signed a contract the first of the year to sing exclusively from this station. She has a modulated soprano voice which she has cultivated especially for Radio broadcasting under the direction of Brunetti Walter. Miss Allanson was born in Anita, Iowa, and finished her high school education there. Later she finished at Iowa State and Kansas state universities. Her father, Edward G. Allanson, is a well-known pianist and composer of Des Moines, Iowa. Miss Allanson is on the Thursday evening program at KYW.

Station Changes

Three stations—WEW, St. Louis; WHK, Cleveland, and KMMJ, Clay Center, Nebr.—are now operating on 1,000 watts. Another St. Louis station, KMOX, has been authorized to increase to 1,500 watts.

WCEE, the old Elgin station, has been leased by the S. W. Straus company and will be heard under the call WSWS.

The Long Beach, Calif., broadcaster, KFON, is now owned by the Nichols and Warriner company.

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Looking Ahead

Next Week's Installment of Robert J. Casey's Thrilling Radio Mystery, "A Step On the Stairs," will carry readers into new complications. You will have to read the story, which appears exclusively in Radio Digest, to follow understandingly the dramatization as it is being broadcast from leading studios from coast to coast.

Those Fascinating Hill Billies Heard from WRC, Washington, D. C., will be seen face to face in the next issue of this periodical. They're the real thing and that accounts for the convincing way they do their stuff over the air. They are doing their share to bring the world to the remote hamlets in the mountains of Virginia, Tennessee and the Carolinas.

There is a Lingering Romance and Glamor in the Island of Cuba with its old Spanish plantations, its quaint and picturesque social customs. These thoughts, perhaps, are in mind when we tune in PWX of Havana. The next issue of Radio Digest will print pictures and story of this interesting station.

Part IV on the Short Wave Receiver will next week describe trouble shooting and methods of adjusting this set. Connections of the batteries, etc. will be included for those building this outfit who are not sufficiently expert to understand how to do this themselves.

The Anti-Blooping Campaign should naturally include the construction of devices for prevention of radiation, (it is not re-radiation) so in the next issue the technical staff will describe how to build the Penetrola, a single stage of non-oscillating radio frequency amplification.

Milo Gurney Gets into Circuits with his next A B C article and, as his collection of hook-ups is most complete and varied, this chapter unfolding some of the mysteries of Radio should be unusually interesting.

Newsstands Don't Always Have One Left

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NEWS BRIEFS FROM THE BROADCASTERS

WELL-KNOWN CARTOONIST INSTRUCTS OVER WTIC

Concert Master at WGN—WBAL Features Continuity Programs—John Drew on WEAF Chain

Become a cartoonist this spring by tuning in for the series of lectures by Bud Kingston at WTIC, Hartford. A Radio course in art is a novel thing but Mr. Kingston does not stop there. He asks all his listeners to follow him by sketching as he talks and to send in their sketches for his approval. He will make corrections and suggestions and return the sketches. These talks are scheduled for March 5 and 19, April 2, 9, 16 and 23, and May 7 and 14.

* *

Jacques Gordon, internationally famous violinist and concert master of the Chicago symphony orchestra, is offering a series of four concerts from WGN, Chicago. Mr. Gordon may be heard this week during the Tuesday program of this station. He will play his famous Stradivarius called the "Clara Schumann Strad" because it once belonged to the wife of the famous musician.

* *

Musical continuity programs especially written for WBAL by Broughton Tall, one of Baltimore's musical writers and dramatists, will be the new feature of this station. "The Evolution of American Popular Songs" was the title of the first presentation of this type. The narrator, Harry Welker, took the audience from the vivid colorful colonial period to Irving Berlin's "Alexander's Ragtime Band."

* *

John Drew, one of the most popular actors of the American stage appeared recently at WEAF during the Eveready hour. He dramatized some of the scenes of "Rose Mary."

* *

Comedy will rule the air from KGO, Tuesday evening, March 2, when James (Jim) Madison, famous maker of the Madison Budget of jokes, familiar to stage people, will appear before a KGO microphone reading some of his latest. He will also present a comic musical skit, "Musical Memories," assisted by the Sierra male quartet, which will show the evolution of the American popular song.

* *

WJZ is now featuring operatic stars during the Sunday evening concerts. The second concert of the series was given by Madame Julia Claussens, mezzo-soprano and Paul Althouse, tenor, artist members of the Metropolitan Opera company.

* *

"What the Army Does Besides Fight," will be the subject of the address given by Lieut. Col. H. Edmund Bullis of the war department general staff at KGW, Portland, February 27. He will give an interesting treatise on the peacetime purpose of the United States standing army.

* *

One of the most popular features of the San Antonio station, WOAI, is the Mexican music given every Tuesday evening by the Gebhardt Mexican players. Jose Conrade Tovar, distinguished Mexican composer-pianist is the director.

* *

Station WJZ will broadcast, as in past years the noonday Lenten services of the old historic Trinity church, every weekday except Friday and Saturday during the forty days of Lent.

* *

Henry Field's station, KFNF, of Shenandoah, Iowa, gave a twenty-six hour birthday program recently. This not only celebrated the second anniversary of this station but also introduced its new Western Electric 1,000-watt equipment.

* *

The rural comedy, "Interurban," written for the stage by W. T. Marrs, will be presented by the KGO players Thursday night, March 4.

* *

A George Washington university program will be featured by WRC, Washington, D. C., February 27th, when prominent members of the faculty of the institution, together with the musical clubs and the debating society of the school will be presented to the Radio audience. The principal talk of the evening will be given by Dr. Wm. Mather Lewis, head of George Washington university.

* *

Louis John Johnen, program director of WLW, Cincinnati, will sing five songs by John Masefield, set to music by Easthope Martin, on Sunday evening, February 28. Thomie Prewitt Williams will be the accompanist.

* *

The United States Coast Guard band from the Coast Guard academy returns to WTIC, Hartford, for a series of five concerts. The first program will be given Friday, March 5.

CAN YOU SOLVE RADIO MYSTERY?

I WON'T BLOOP CLUB GROWING BY BOUNDS

IDEA GROWS OVERNIGHT TO NATION-WIDE CAMPAIGN

Move to Lessen Interference Makes Popular Appeal to Fans, Clubs Stations and Newspapers

Almost overnight, the I WON'T BLOOP CLUB has grown from an idea to a national organization. A plea for individual cooperation by broadcast listeners in an attempt to limit needless interference has suddenly developed into a mobilization of a vast army of Radio fans, a long string of broadcasting stations, many listeners organizations and numerous newspapers, whose avowed purpose is to improve Radio reception. With the fulfillment of the pledges received by the Radio Digest, a large percentage of blooping will be prevented and all sections of the United States and Canada will benefit by the movement.

The purpose of the campaign and the simplicity of the requirements has struck a popular appeal. The applicants for membership need only to pledge that they will operate their sets to reduce radiation or blooping, to equip them with anti-blooping devices in cases where it is thought needed, and lastly, if all other methods fail, to renew them with sets designed to limit howling and squealing.

Pledges Pouring In

It is quite impossible for the staff assigned to this work to keep abreast of the exhilerated movement, so popular has been the I WON'T BLOOP CLUB, and a count of the pledges being received daily cannot be given. Thousands of membership cards have been sent to the different organizations that have been granted charters in the club and are securing memberships. Upon receipt of pledges, the Radio Digest issues membership cards. A membership card in the I WON'T BLOOP CLUB signifies that you are doing what you can to help Radio.

Clubs Join Movement

A number of listeners clubs throughout the country have joined the Radio Digest in the campaign to eliminate interference and have joined the I WON'T BLOOP CLUB as organizations, being granted separate chapters. In several instances the membership pledge of the Radio Digest has been adopted by the organizations as a purpose. Among the Radio clubs who have applied for chapters are the Butte (Mont) Radio club, Broadcaster Listeners' association of Terre Haute, Indiana; Newton (Kansas) Radio club and the Columbus (Ohio) Radio league.

In line with the campaign being fostered by the Radio Digest, Chicago listeners have organized the Anti-Blooping association, with the signified purpose of educating the public to courtesy in the use of the air.

Another great force that is aiding to clear the air of preventable interference is the Prowler's club of the Chicago Evening Post Radio magazine. This was one of the first organizations formed with the expressed purpose of combining the efforts of Radio fans to improve reception.

The value of listeners' organizations cannot be over-estimated. In Great Britain, blooping has become so bad that the English are calling it a "plague of oscillation which is marring reception." Each week brings a record-breaking number of complaints to the British Broadcasting company.

New Station Chapters

Added to the list of more than a score of stations printed last week who have secured chapters in the I WON'T BLOOP CLUB, and are cooperating with the Radio Digest in clearing the air are KFAB, Nebraska Buick Auto company, Lincoln, Nebr.; WEAR, Goodyear Rubber company, Cleveland, Ohio; WHBP, Johnstown, Automobile Co., Johnstown, Pa., and CKY, Manitoba Telephone system, Winnipeg, Manitoba.

Station KNX, Los Angeles Evening Express, and WDAF, The Kansas City Star, besides offering the influence of their broadcasting stations have also lent their columns to advancing the I WON'T BLOOP CLUB. The Wilmington (Del.) Evening Journal, The New Orleans (La.) Item-Tribune and The Hartford (Conn.) Times have also offered to support the Radio Digest in the campaign.

The Radio Digest is at the present time printing a series of articles for the instruction of fans on how to prevent blooping and other forms of man-made static. Different types of receivers will be reviewed and the proper method of operation will be given. As yet, a set that will not regenerate has not been devised. but with care and knowledge, blooping can be abolished and interference limited.

Do your share. Sign the pledge card of the I WON'T BLOOP CLUB today and mail it to Radio Digest and you will receive a membership card in the club. It will be your credentials that you are earnestly endeavoring to help Radio reception.

HUNDREDS WAITING FOR AIR LICENSES

WASHINGTON, D. C.—The Radio section of the department of commerce now has on hand between 250 and 300 applications for new Radio broadcasting licenses, with no wave lengths available and this in spite of the fact that officials of the department have repeatedly stated that there is no chance for the issuance of any more licenses at this time. All applicants are simply being notified that no licenses will be issued.

"ALONE IN A CLASS"—DIELECTRIC

The golden voice of Mary Garden, "Our Own Mary," has added the invisible audience to its list of conquests. The famous opera star, who recently returned from Europe, is probably the most fervent Radio enthusiast among opera singers. Her program over WJZ, where she is here shown, is reviewed this week by Dielectric in "Condensed."

PLEDGE CARD — Radio Digest PROGRAMS Illustrated — I WON'T BLOOP CLUB

Reg. U. S. Pat. Off. & Dom. of Canada

I pledge myself to operate my Radio set to reduce radiation or blooping. If I am unable to make my present set operate properly, I further pledge myself to replace it with a receiver that will create less interference.

Make of my set:

Number of tubes is:

Signature .....

Address .....

City and State.....

I am cooperating in this campaign with Station.....

Upon mailing this pledge to Radio Digest, "I Won't Bloop Club" membership card suitable for wallet or framing will be issued.

$500.00 TO GO TO WRITERS WHO BEST UNTANGLE STORY

"A Step On the Stairs," New Phase in Literature, Will Be Put in Radario Form and Broadcast from Group of Leading Stations

Readers of Radio Digest are afforded an opportunity in this issue to step off on a new and important phase of Radio entertainment.

Those who have been watching the rapid strides of Radio growth day by day, month by month and year by year, will behold in the presentation in this magazine, this issue, the first installment of Robert J. Casey's "A Step on the Stairs," the fruition of a new and significant phase of Radio literature.

It is a story written by a recognized author, technically familiar with Radio broadcasting, to bring out the latent effects concealed in the mystery of the average receiving set. He is opening a box of tricks new to readers and the listening world. He knows the art of weaving adroit situations that make the reader shiver with ghostly apprehensions, cry with tragic climaxes and laugh at comical incidents.

Author Well Fitted to Task

It would be hard to find anywhere in America a writer better able to do this particular piece of literature, for Mr. Casey has not only established his position as a fiction writer but he has written many technical articles on Radio. He knows the possibilities from the transmission end through his staff connection with the Chicago Daily News broadcasting station, WMAQ. In his own home he has a specially equipped laboratory for building and experimenting in Radio reception.

To the average listener there is a magic about the cabinet and the speaker that brings voices out of the silent air from all parts of the world. It is enveloped in a mystery that seems almost supernatural. It is capable of emitting sounds and noises created by the ephemeral atmosphere itself. What are these voices of the unseen world? We read about radiation and static and let it go at that. But Mr. Casey has written a story that will bring out sounds from the Radio horn hitherto unheard and in all probability will mystify even the most skilled of Radio engineers as to their cause. Will they be called forth from the world of the departed dead?

Can the Dead Return?

What is the basic force that makes the human mind function? What is telepathy? Is it not fundamentally Radio activity, a form of Radio transmission. Can the energy that starts a mass of brain cells into motion, that formulates thought and speech be propelled as the voice is propelled from the vibration of the fragile filament in a vacuum tube? Does this energy ever die? Can it be attuned, converted into controlled ether wave movement, refined to audible sensitiveness?

These are questions to be considered in the strange case of Peleg Turner in the first two chapters of "A Step On the Stairs," appearing in this issue of Radio Digest. Was it the voice of the dead Peleg that manifested itself, as he had predicted, through the Radio horn for the benefit of his heirs?

Gold Prizes for Best Solutions

Begin reading this marvelous story today and figure out your own solution to the mystery that haunted the old Turner manse. Was it natural or supernatural? Did both have a part and who was the living personality that shaped the tragic twists of fate?

Analyze it and prove your powers as a detective. Your ability will be rewarded not only by the satisfaction of knowing your own skill at unravelling a tangled skein of contradictory threads but by real money—real gold. The Radio Digest offers $500 in Gold for the correct solutions to the enigma.

And here is the big surprise that was promised last week!

Leading Stations Broadcast as Play

Fred Smith, one of the most experienced Radio dramatists in the country, has taken Mr. Casey's story and converted it into living and spiritual personalities who will come to you through the air. Radio Digest has offered this dramatization to a number of the strongest Radio stations in

(Continued on page 30)

Sun Greetings for "Mounties"

OLD VET of Royal Mounted Tells of Hardships Where the Night is 135 Days Long. Friends Send Radio Messages.

JAMES CAMPBELL, retired sergeant of the Canadian Royal Mounted Police, found much to interest him in the pages of the Winnipeg newspaper as he sat by the kitchen range at the home of his nephew who lives in one of those boxed-up, steam heated apartments in Minneapolis.

Presently the old veteran of the Arctic frontier peered over the rims of his steel bowed spectacles as the cheery lady of the house busied herself in turning flapjacks and stirring the ham that was sizzling in the pan.

"Do ye mind that this is the Twentieth of February?" he observed.

"And what does that mean?" asked the lady, "Somebody's birthday?"

For a moment he seemed oblivious to his surroundings as he slowly folded his paper and dropped it on the edge of the table. He crooned a curious chant, low and gutteral. Then he hopped to his feet and began a weird Indian dance about the kitchen floor.

"I'm pretty spry yet, what?" he paused in front of his chair and sat down again. "Today the sun is showing himself north of Fifty-Five and every biped that loves his God and fellow man up there is joining with the Eskimos in the Sun Dance. 'Tis a great occasion. Sure, he's only there long enough to promise he'll come back tomorrow, but seein' as it's the first time he's been nigh the top o' the world for 135 days it's worth the trouble."

* * *

"AREN'T you glad you're not up there any more, Uncle Jim?" asked the little lady who could not understand the heart of a soldier of the woods.

"In His Majesty's service, Margaret, a man is glad to be where his duty calls. If you are meanin' that duty does not call me there today, and tells me to be here, then here it is I'm glad to be. Though I think I could still do the Sun Dance with the best of 'em. Birthdays? Say, girl, when the sun forgets to shine for about five months, who's goin' to remember the birthdays in the dark—except that they're registered in the little black book of the command. And when they begin to accumulate past a certain number—

"But they're a merry crew above the Arctic today. Old Sol hoists a bloody eye over the hills of snow and ice, gives one wink and is gone again to warm himself for returnin' tomorrow when maybe he'll be givin' two winks. Each day he'll come back for a little longer and soon he'll be squintin' long and warm through the black trees bringin' the sap from the ground. That'll start the leaves comin' and the country will become more beautiful which will please Old Sol inducin' him to stay longer and longer until midsummer he'll be payin' visits in the middle of the night and forget to go down at all.

"Sure and don't I know the truth of it myself and don't I know the pleasure of seein' the sun on the Twentieth of February, which is no less than the comin' of the mail that mushes all the way from Edmonton by the dog teams? It's hard enough to be shut off in darkness 3,240 hours and each hour a little longer than the last—no word between you and your kin and never knowin' whether your own are dead or alive. Oh, and don't I know, the feel of the deadly white fingers of the bristling ice that freezes and squeezes the very marrow out of your bones? But never was there a man whose hand was the law that would complain of that."

The old man turned again to his paper.

"Don't they have the telegraph up there?" asked Margaret.

"Now, I was just a-comin' to that," he ran a long, leathery finger (*Continued on page 24*)

At the top is Sergt. White of the Royal Mounted located at Pangnirtung on the Arctic circle, who received the special greetings sent February 20. In the canoe are shown two trappers on Sluice lake, who picked up a concert from Annapolis in their boat. Below, Sergt. Treadgold, left, and Constable Larry Higgins of Pond's Inlet, who received messages from friends with the appearance of the sun.

Below are two little Eskimo pupils sent by Mrs. W. R. E. Moore, who, with her husband, teaches a school at Pilot Point, Alaska, 45 miles from the nearest white person. Mrs. Moore wrote to KMA, Shenandoah, Ia., telling of the Radio program they had received there and which was enjoyed by their Eskimo charges. Pilot Point, she described as "just a little jaunt" from Siberia, Russia.

Girl Solves Izzy's Problem

EVERYBODY Who Wants to Join Blah Club at WOAW, Omaha, Must Ride the Brindle Cow with the Tinkling Lavalliere. Membership now 35,000 and 25,000 on Waiting List

DIZZY IZZY was serious. He had a Problem. Even to try to be a Radio clown and be compelled to worry along with a Problem on your neck is enough to make anyone serious.

Things were always coming up and Dizzy Izzy had to put them down—or he would forget them. It made no difference that he had Mike at WOAW, Omaha, in front of him and all the Woodmen of the World back of him.

There are lots of things in this world that stump even woodmen. And the Problem stumped Dizzy Izzy. Once he turned the "mikrophobia" upside down and stuck his finger against a hot wire when the Problem seemed to Present itself there. Four hundred sets went dead. Dizzy explained to a twisting audience that a crystal crab in Lincoln had snapped at the end of his finger and made the blood come.

Still the Problem haunted him. It crept out of his subconscious mind at all sorts of inopportune times and shinned up the microphone stand like a diabolical imp to taunt and prod him.

What was it? What did it all mean?

* * *

WHAT was income tax, philosophy, ethics, poetry, breakfast, matrimony, world court, zero, music, the Einstein theory, higher mathematics, theology, static, 100 per cent, Eighteenth Amendment?

These questions all seemed to be a part of his Problem. They streamed through his mind as he nestled into a one-armed chair in Thompson's restaurant and drained the dregs of a loco weed sandwich.

His meditations were interrupted. A freakish looking girl with long hair done up in the old-fashioned way and skirts that came an inch below her knees approached with a glass of milk and a Bismark. Without even noticing Dizzy, she settled down cozily in the harbor across the arm of his chair. She tilted her glass of milk and Dizzy noticed that her throat was as white as the fluid she drank—even whiter. Her long lashes caressed her cheeks lovingly. Her slim, wax-like fingers had the daintiest tint of rosebud pink.

Dizzy admired the classic elevation of her alabaster brow. Suddenly he felt a surging desire to speak to her—to confide in her, to ask her advice as to his Problem. Here was one who surely would understand. He licked the last drop of the loco weed sandwich from the bowl and turned tremblingly toward the young woman.

"Kiss the cow and give her my regards," wrote one "Boob" to Dizzy Izzy (right), chief potentate of the Blah club, WOAW, Omaha.

"PARDON me, Miss," he stammered, taking his turtle shell specs from his eyes and wiping a green fog from the lenses with his paper napkin. "I hope you will pardon my, my-my, idiocy—idiocy—idiosyncrasy in speaking to you, but I have a very, very serious Problem, a very difficult Problem—"

"I'm not a school teacher, but I guess you are harmless, what is it?" She camly broke her Bismark.

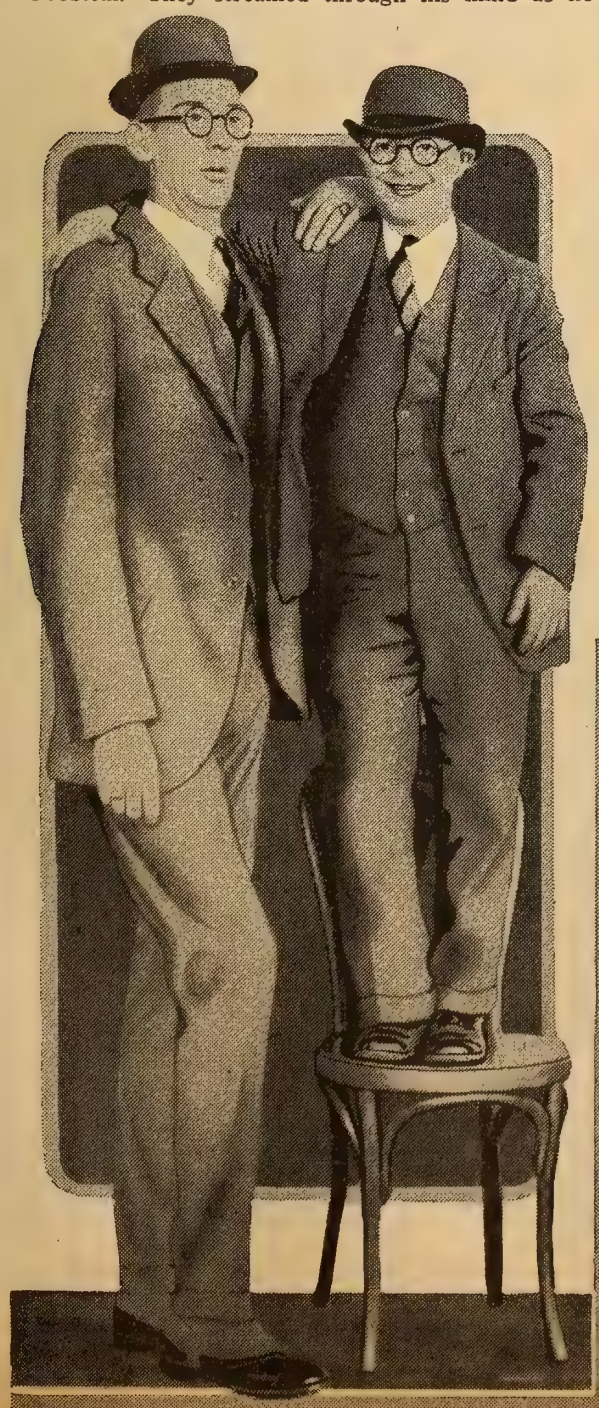
"Well, I've been thinking of the meaning of things—everything, you know—"

"For instance, what?" wiping a bit of red jelly from her dainty chin.

"Oh, just for example, we'll say love, matrimony, divorce, domestic—"

"Easy, old fellow; it's easy. The whole thing is just BLAH!"

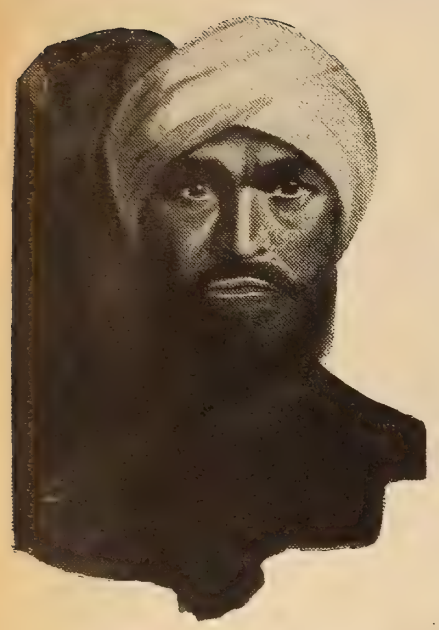
(*Continued on page 24*)



Sometimes Dizzy Izzy assumes human form and stalks forth as on the right. While again, is Izzy dizzy? He is at left aloft of a chair by "Eiffel Tower" Lew Farris. The Blah Therskites (below): standing, B. J. Sisk, composer; Fred Jessen, Sid Jolson (Cy Perkins), and "Gus." Seated: Ole, announcer; Louise Race and Izzie.

a STEP ON Read—

THIS Thrilling Story and Hear It Broadcast in Radario Form from Your Favorite Station



The door swung open with the noiselessness of oiled hinges and a tall dark man in the garments of the East stood facing her... Indian, perhaps, or Malaysian.

CHAPTER ONE

The Disappearing Visitor

UNDER the whispering cedars a one-armed man stood motionless, shielding his eyes with his hand and peering through the blizzard—almost impenetrable now that twilight was falling—toward the little boat landing at the foot of the driveway. There was a footfall on the brittle ice along the shore and then, presently, a ringing step on the packed snow near the park. The one-armed man stepped suddenly out of his shelter to confront a youthful figure in a heavy ulster. Recognition in such a light would have been impossible, even had the newcomer's face not been shielded by the long bill of a cap and the folds of a plaid muffler that crept up over his chin. Still, the one-armed man peered at him for a long time, silently and appraisingly.

"What do you want?" he demanded.

A youthful laugh answered him.

"Who are you?" countered the stranger.

"I'm Henry Millis," replied the one-armed man slowly. "I'm caretaker here. I was put here by Peleg Turner. I stayed here when his brother Jeremiah came here to live an' I know everybody they knew. . . . An' I don't know you."

"I dare say that's possible. What of it?"

Henry Millis paused unmindful of the blizzard driving into his face and seemed to be thinking carefully about his answer. . .

"There's this about it," he said at length. "Nobody ever has come to this house from off the sea there an' brought any good with them. There was a boat tied up to the landing there the night Jeremiah was shot an' Johnny Carton disappeared. There was somebody walked down that landing the night Peleg Turner died. I seen him come. I didn't see him go. In the mornin' there was a boat floatin' out there on the bay bottom side up an' old Peleg was lyin' dead up there in the house. . . . .An' now you come. You're the third."

"Yes, if your count is correct, I should be the third. . . .But I am no undertaker. I came across Pelican Bay in a launch because I had to be here by six o'clock. It wasn't such bad going until the snow began. I suppose I was lucky to get here but there's no mystery about it."

"Nobody's lucky to get here," growled Henry Millis. "Mind you, I'm givin' you fair warnin' young feller. If you belong up there at the house them as is there already will know it. If you don't belong there God help you."

"I'll take my chances." And the gray ulster moved off to be lost in the grayer shadows under the storm swept cedars while Henry Millis resumed his post under the trees with his eyes turned toward the boat landing—watching, waiting. . .

SAVE for the snow, driven in plumy masses across the bare front of the building and softening the harsh outline of red brick wall and red tile gable, the house was much as it had been when they carried old Peleg Turner's coffin out through the seldom used front door on what should have been his last voyage. The critical populace of Pelican Bay, admitted the changelessness of the Turner manse with considerable reluctance. It did not seem right that the taking off of so important a citizen should have produced so little physical effect upon the scenes with which he had been associated.

True, there was an air of permanence about the old place that had survived even its evil reputation. Nothing, so far as anybody knew had happened to it when Washington's men had impaled its first owner, a Tory spy, to that same front door with his own sword. Nor had there been any obvious results when another doubtfully identified gentleman of the Turner family had seen a ghost in the great, empty gunroom and had died with his face in his glass of port . . . . . although that was explained by some skeptics, it must be admitted, with the suggestion that he might not have seen a ghost at all—that apoplexy, abetted by alcohol, might have caused his passing quite as well as a supernatural visitation.

For generation after generation the house had stood there, firm as a fortress with its buttressed walls of Lincolnshire brick and its timbers of teak precisely as it had been when the first of the seagoing Turners had come home from the back-lots of the world and had built it for his Spanish bride.

Recently an ominous gloom has seemed to haunt the ancient abode. A depressed foreboding like a deepening shadow had seemed to spring from the darkened windows since the day that Jeremiah Turner had been found dead on the gunroom hearth, a bullet in his head.

The superstition grew from that very night when the lights that always had burned brightly in the gunroom had flickered out to be followed by the lifted latch that opened only to permit the passing of another Turner — through the door of death reserved by tradition for the final exit of the lord of the manor.

AN AUTOMOBILE crunched through the drifts under the porte-cochere and a girl alighted—a tiny figure against the massive outline of the hand-hewn ballustrades and door frames, even in the enveloping bulk of her fur coat. She raised the knocker at the side door and dropped it gently to be startled by the resultant clang that echoed through the unseen corridors beyond.

The door swung open with the noiselessness of oiled hinges and a tall dark man in the garments of the East stood facing her. . . . Indian, perhaps, or Malaysian. Old Peleg had picked his servants in odd corners of the world.

"I am Mary Williams," she said. "I received a message to be here at six o'clock."

"You are expected," the man at the door told her. "There are others here... They are in the the Big Room"—he seemed to be quoting a title rather than a description. "If the Sitt will give me her wraps, I shall be glad to escort the Sitt to the place of meeting. . . .One moment, please, here comes the caretaker. I think he wishes to speak with me."

The girl turned to see Henry Millis—now only one of many shadows under the porte-cochere—leaping up the three stairs from the driveway. She could see little of him even in the dim light from the hallway as he stopped at the threshold to address the Indian.

"There was somebody here, Hari Singh?" he asked. "A man with a gray overcoat and a plaid muffler? A young feller. . . .You ain't seen him?"

"There has been nobody here since you went down toward the boat landing," replied Hari Singh. "Nobody in the last hour except the lady here."

And Mary Williams marveled at the sudden panic in the eyes that were all she could make out of the haggard face of Henry Millis.

"Where did he go?" he demanded.

Hari Singh dismissed the matter with a shrug.

"Who knows where anybody goes?" he replied. "He may have been wise enough to change his mind about coming here."

"There ain't any good comes to the Turners from out of the sea," muttered Henry Millis. "That's what my grandmother said. That's what I say. No luck to the Turners out of the sea."

"So few of the Turners are left that it doesn't make much difference," deprecated Hari Singh. And he closed the door as Henry Millis stalked away into the deepening gloom.

CHAPTER TWO

The Voice of Peleg Turner

DINNER had been served in the high beamed hunt-room—a ghastly affair for the dozen strangers who had eyed one another suspiciously across the vast whiteness of the table. Now Hari Singh, soft-footed and uncannily efficient, had removed the napery and silver and polished crystal and the light from the wilting tapers in a ten-branched candlestick made little ineffectual pools of twilight in the black oak board.

The great beams of teak were lost in the shadows that gave the height of a cathedral to the ceiling. The paneled corners were in movement with weird reflections from the fire that was dying on the board hearth. About the room in the deep cushioned leather chairs that the first Turner had brought with his bride from Spain a hundred years ago, the strangers sat in isolated groups and talked in whispers as they appraised one another without pretext or shame.

Mary Williams was more fortunate than most of the guests at this strange banquet. She found herself seated next to a man whom she had met before. The extent of this good fortune was curtailed somewhat by the fact that she would rather have met almost any other man in the world. Still, she could talk to him and there was much about this affair that she could wish explained.

$500 in Gold

FOR THE SOLUTION OF

a Step On the Stairs

WITH the beginning of this exclusive and pioneering effort in coupling a master serial novelette with its production as a Radio play at a selected few of the country's best broadcasting stations, Radio Digest wishes to announce that $500.00 in Gold prizes will be awarded to the persons who can best solve the mystery.

The story, "A Step On the Stairs," is written by Robert J. Casey, an author whose works in the literary world need no introduction. Furthermore he is well versed in the needs of such fiction for Radio presentation. His work, in turn, is being Radio dramatized by Fred Smith, Managing Director of the United States Radio Society, who can be counted among the first few men to write and present Radio plays.

Read the story and hear it played weekly from the selected stations. Don't miss this thriller, whether or not you intend to submit a solution!

The chosen stations, which will broadcast "A Step On the Stairs" in Radio play form, are given on page thirteen. The days and the hours are listed.

THE PRIZES

The prizes are seventeen in number. First prize is $250; second prize is $100; third to seventeenth prizes inclusive, are $10 each. In the event of a tie for any prize offered, a prize identical in all respects with that tied for will be awarded to each tying contestant.

HOW TO WIN A PRIZE

Nine installments of Mr. Casey's story will be published consecutively each week, the first appearing in the February 27 issue. His tenth and final installment will not appear until the prize winning solutions have been selected by the judges. The solution nearest correct, that is, nearest to unravelling the mystery accurately, will win. In the event that two or more solutions are absolutely correct, the method of preparing the solution—its neatness, legibility, etc.—shall be considered.

RULES OF CONTEST

1. The contest opens with the February 27 issue. All solutions must be received by Radio Digest not later than midnight of Saturday, May 1. The ninth installment of the story will appear in the April 24 issue. The author's intended and final chapter will appear in the May 15 issue of Radio Digest, together with the announcement of the winners' names.

2. The contest is open to everyone except employes of Radio Digest and their families.

3. Contestants pay no fee and need not be subscribers to Radio Digest. Solutions, however, must be written upon but one side of paper, and names and addresses should be written or printed plainly.

4. The decision of the judges, to be named later in the contest, will be final.

the STAIRS

By ROBERT J. CASEY

Radio Dramatization by
FRED SMITH, *Managing Director, U. S. Radio Society*
Illustrations by HILMER C. OLSON

"That's Ardwyn, the lawyer," he whispered to her as they pushed back their chairs to a point at the end of the room where they could survey the entire company. "He's the sallow looking man with the wallet. The one there at the end of the table. He seems to be running the show."

"Just what are we all here for?" inquired Mary.

"Search me. It's a weird crew they've cast us with. I don't think I ever saw any of them before, although I suppose they're all related to Old Peleg one way or another."

"I was introduced to that man with the beard at dinner—the one next to the lawyer. He gives me the shivers to look at him. He reminds me of a pirate."

"Maybe he is. A little thing like piracy wouldn't bother a grand jury that ever started to look into the history of this family. I'd trust a good pirate farther than that self-elected saint over there beyond the hearth. She has a murderous eye and a tongue that's all honey and arsenic . . . Our Aunt Helen, they tell me. That's our Cousin William she's talking to—the scared rabbit in the undertaker's costume . . . Listen to her talk . . . "

THERE was a vibrant quality in the voice of Helen Holmes that lifted it above the low hum of conversation throughout the room. She did not seem to be aware of its carrying powers. She was talking earnestly with Cousin William on a topic that seemed to be of the greatest importance—herself.

"I have tried to live down the reputation of the Turners," she was telling him. "My poor dear husband—dead and gone these twenty years—he always used to say to me, 'Nellie, you're an angel on earth. Nobody'd ever suspect the tribe of hellions you came from.' That's what he used to say to me—an' Heaven knows I tried to be worthy of him."

"Oh, but I guess you were," came the softer voice of Cousin William in dutiful echo. "I guess you must have been. Yes, yes."

"Well I'd like to see the man as says I wasn't. Here were these Turners marryin' heathen wimmin in foreign parts an' piling up gold—the curse of the world if I do say it. And I knew somethin' would happen to them. Which it certainly has . . . Just like I said it would."

"Quite right. It certainly has . . . Right there where your foot is they found Jeremiah Turner with his face in the ashes. He was shot right between the eyes. And they say the look in his face was that of a man peerin' plumb into Hell. That's what they say—yes!"

Cousin William's voice had carried farther than he was aware and a sudden silence fell over the guests. White faces stared wide eyed into the candlelight.

"For God's sake keep quiet," commanded Henry Graves with unmistakable evidence of rasped nerves. And then Ardwyn, the lawyer, took command of the situation by rising in his place at the end of the table.

"Don't allow yourselves to become overwrought, ladies and gentlemen," he suggested. "The hour is still earlier than I had counted upon when I set the time of the dinner at nine o'clock. I wished to give you all a chance to become acquainted with one another. That's what Mr. Turner wished when he asked me to call you all together here."

"Turner," gasped Henry Graves. "Why he's dead."

"HE WAS not always dead," replied the lawyer unemotionally. "But unlike so many of us born to a few brief days in this ephemeral world he foresaw that one day he must die . . . He foresaw it quite definitely after the tragic death of his brother and so he wrote out for me the documents which directed me to summon you here. I need not read to you the instructions he gave me as his lawyer. I have already summarized them. But this other paper is a message to you—to all of you—a word from Peleg Turner whom some of you helped to carry out through the front door on his last journey . . "

Clearing his throat, Ardwyn adjusted his glasses, and held a sheet of foolcap toward the candle light.

The great beams of teak were lost in the shadows that gave the height of a cathedral to the ceiling. . . . About the room the strangers sat in isolated groups and talked in whispers as they appraised one another without pretext or shame.

"When you, my relatives, the last of our clan, hear this message I shall be dead," continued the lawyer. "Frederick Ardwyn, my old friend and adviser, will be speaking for me. But more than that I shall be speaking through his lips and I ask that you pay close attention.

"I have felt the malign influence of this old house since I inherited it from my father, the elder Peleg Turner, twenty-five years ago. It is because I have felt that influence that I have lived in it so little. I knew when my brother Jeremiah was killed in this room and John Carton, my dead sister's boy whom I had brought up as a son, disappeared so mysteriously, that I, too, must look forward to satisfying the fates of this house. That Frederick Ardwyn is reading this message to you is proof enough that my intuitions were well founded. I have passed on—and some of you must follow me before many days are out.

"It is my one consolation in leaving those I have loved that in death I shall know the solution of the mysteries that have brought such sorrows to my house.

"AT MIDNIGHT tonight, therefore, I shall attempt to communicate with you by the only instrument that gives a voice to the great unfathomable ether—the Radio. I shall speak to those assembled here and I shall tell them what I have learned of the secrets of this cursed house. The lights must be turned out and the guests whom I have caused to be gathered here will sit quietly before the Radio receiver, the dials of which have been set to the markings hereinafter designated."

The lawyer stopped. There was a moment of silence, then a babel of hysterical comment.

"This is poppycock!" declared Henry Graves with a tone of conviction that his nervousness belied.

"Don't say that," advised Mary Williams. "You don't know . . . Perhaps Uncle Peleg knew. Perhaps he . . . "

(Continued on page 26)

New and better

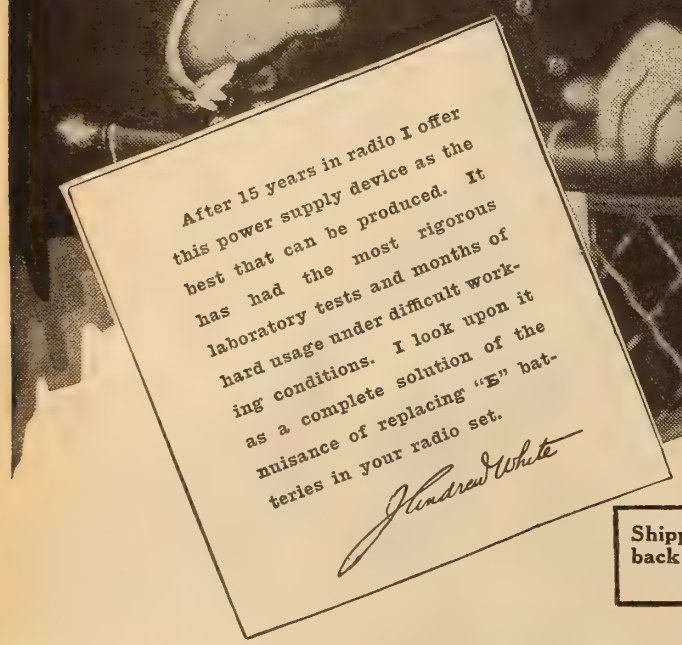
Uses No tube

Ends "B" battery troubles

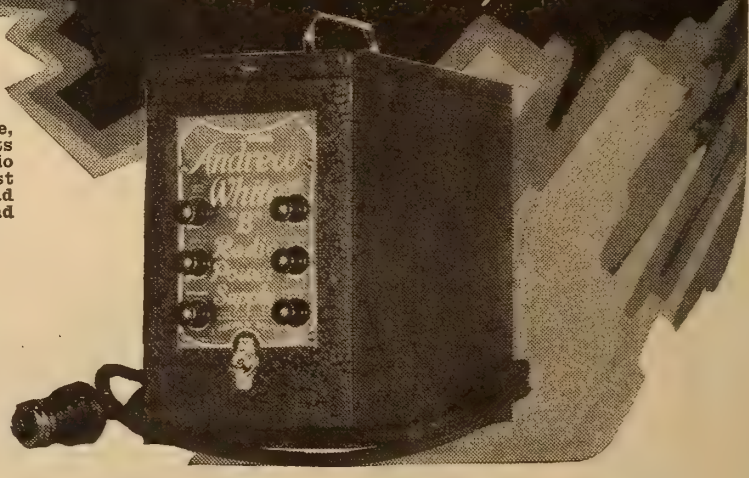
Andrew White "B" Radio Power Supply

for Alternating Current only

110 Volts 60 Cycle



Major J. Andrew White, America's famous sports broadcaster, pioneer radio editor, the country's first broadcast director and veteran radio dealer and manufacturer.



Shipped on a satisfaction or money-back basis on receipt of price in money order or currency.

Ready for use at all times, 135 volts of "B" battery current, all you need, now or in the future. It delivers steady supply, operating perfectly at all times all sets using up to 9 tubes. The new tubes and modern sets require 135 volts—don't buy less!

No Hum There is no hum. No noise at all. The current is delivered from EIGHT electrolytic cells. NO TUBES TO FLUCTUATE OR TO REPLACE.

Economical Takes so little current you will notice no difference on your electric light bill.

Durable Will deliver the full voltages you require for detector, radio frequency and amplifier tubes, strong and steady year after year, just as if you had brand new batteries all the time.

Convenient Plugs into electric light socket—nothing to get out of order at any time.

Improves Broadcast Reception

Large size condensers and steady current supply improve the performance of your radio set. You will have better quality of speech and music and greater volume.

No Parts Requiring Replacement or Renewal

A few territories now open for established dealers.

J. ANDREW WHITE, 37 West 43rd Street, New York

135 Volts!! Only $38

There is a great demand

Your dealer may not be able to supply you

MAIL THIS COUPON TODAY

J. Andrew White, 37 West 43rd Street, New York.

Enclosed is $38, for which ship me your new and better "B" Radio Power Supply at once, my money to be refunded if I am not satisfied and return the unit in 10 days.

Name .....

Street, RFD or Box No. .....

Shipping Point .....

Post Office ..... **State** .....

THOUSANDS OF FANS HELP IN MUSIC WAR

CROWDS SWARM WAY INTO BALL GIVEN FOR FUNDS

Southern California Stations Unite First Time to Aid N. A. B. in Financing Copyright Fight

LOS ANGELES.—Los Angeles listeners finally got their silent night—but for one night only, and on that night the interest was not in hunting the elusive wave of a far off broadcaster but in the big Radio ball and frolic of the United Broadcasters of Southern California.

Banding together as a body for the first time in their history, the stations of southern California promoted the big Radio ball and for one night forgot rivalry and jealousy—but, as one announcer put it, for one night only—and invited the public to turn out and see the Radio stars whose voices heretofore formed the only link between them and the public.

Raises Funds for Copyright Fight

The purpose of the ball, as explained by the United Broadcasters, was to let the general public in on the fight that is being waged by the National Association of Broadcasters for adequate and equitable legislation on copyrighted music, and the way the Radio public turned out at $2 a head showed conclusively that they are with the broadcasters in this fight. The entire gross proceeds of the ball were forwarded to the headquarters of the National Association, the expense of the ball being entirely borne by the stations themselves.

Phil Cohen, local attorney for the American Society of Composers, Authors and Publishers, the organization that is the cause of all the agitation over the copyright question, attended the ball.

Thousands of Fans Attend

The ball was held at one of the largest and finest ballrooms in Los Angeles, El Patio, and was attended by thousands of fans to the capacity of the hall. Every announcer from all southern California stations, except the church broadcasters who could not be expected to participate in an event of this kind, was on hand to personally meet the public as well as a number of famous movie stars, among them being Leatrice Joy, Jetta Goudal, Ruth Roland, Alice Calhoun and Helene Costello. Adriene Dore, winner of second prize at the Atlantic City bathing beauty contest and judged America's most beautiful "girl in evening gown," was also present.

The program started at 8 p. m., Pacific time, and lasted until the last DX hunter had seen and heard his fill. Each of the cooperating stations, KFI, KHJ, KNX, KPSN, KFWB, KMTR, KFON, KFQZ, KNRC and KFXB, put on a short program with their particular stars, while dance music by massed bands furnished the crowd with entertainment between the many diversified acts.

Sport Broadcasts

Basketball

Saturday, February 27

WSUI, Iowa City, Iowa (483.6m-620kc), University of Chicago-University of Iowa, 7:30 p. m. Central time.

KUOA, Fayetteville, Ark. (299.8m-1000kc), University of Arkansas-Texas Christian university, 7:30 p. m. Central time.

WOI, Ames, Iowa (270m-1110kc), University of Washington-Ames, 7:30 p. m. Central time.

KFKU, Lawrence, Kan. (275m-1040kc), University of Kansas-University of Nebraska, 7:30 p. m. Central time.

WEAO, Columbus, Ohio (293.9m-1020kc), Northwestern university-Ohio, 8 p. m. Eastern time.

KUOM, Missoula, Mont. (244m-1230kc), Oregon Agricultural college-University of Montana, 8 p. m. Mountain time.

WIP, Philadelphia, Pa. (508.2m-590kc), University of Pennsylvania-Columbia university, 8:30 p. m. Eastern time.

Thursday, March 4

WOI, Ames, Iowa (270m-1110kc) Kansas Agricultural college-Ames, 7:15 p. m. Central time.

Hockey

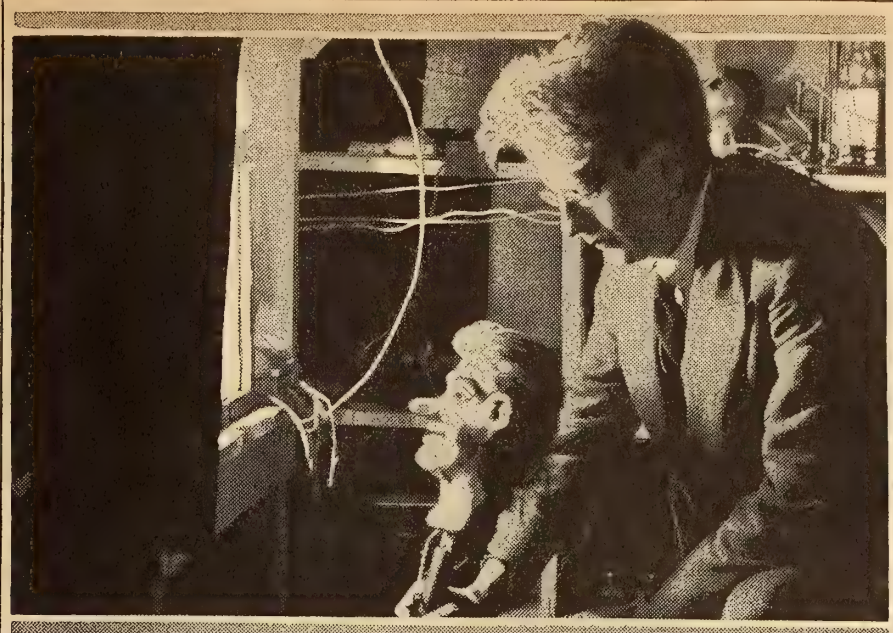
Tuesday, March 2

WBZ, Springfield, Mass. (333.1m-900kc), Boston Bruins-Canadians, 8 p. m. Eastern time.

New Station for Chili

WASHINGTON.—A new broadcasting station is under construction at Santiago, Chile, and is expected to be in operation by June 1. The station, which will be owned and operated by the Compania Radio Chilean, will operate on 400 meters with 1,500 watts power. The call letters of the station will be CMBA.

SENDS LIVING PICTURES BY RADIO



J. L. Baird, of Glasgow, Scotland, above, has demonstrated a new form of Radio television with the device pictured here. He may exhibit in the United States soon.

"I DO NOT transmit photographs, or want to," declares J. L. Baird, the noted English engineer and inventor, who has invented an apparatus for television.

"I transmit," says Mr. Baird, "anything that happens to come before the transmitting end of my thoughts, its movements, and its form, with full detail. Television stands in the same relation to movement as broadcasting does to sound."

In a demonstration of his device in London, England, the inventor moved over several switches, started a motor, and lit several tubes. At first slowly, but with increasing speed, a thin sepia-colored line of light began to move across a ground plate glass screen at the end of a short black tunnel.

Inventor's Head Shown

When everything was running at the right speed the screen was evenly lit with a flickering light very similar to that produced by the early cinematograph.

"I will now put a doll's head before the transmitting apparatus and you can see the detail," said Mr. Baird, and in stooping to pick up the doll his own head and shoulders came before the eye of the apparatus, and the whole process of stooping down, picking up the doll's head, and placing it in position was clearly visible on the screen, even to the light and shade on his face as he moved about.

In another room a special portable receiver stood, called by Mr. Baird the "televisor." This was started and adjusted much as a Radio receiver is adjusted, and it reproduced what the transmitter was "seeing." This included the head of a man who walked about and opened and shut his mouth and eyes.

Radio engineers are confident that the era of commercial television is not far distant, and it is asserted that television sets, as well as Radio sets, will be placed on the market at a reasonable cost this year. Five hundred of Mr. Baird's sets are now being manufactured.

Efforts are being made, it is reported, to have Mr. Baird demonstrate his apparatus in the United States next fall at the Radio World's Fair in New York city. Arrangements are being negotiated.

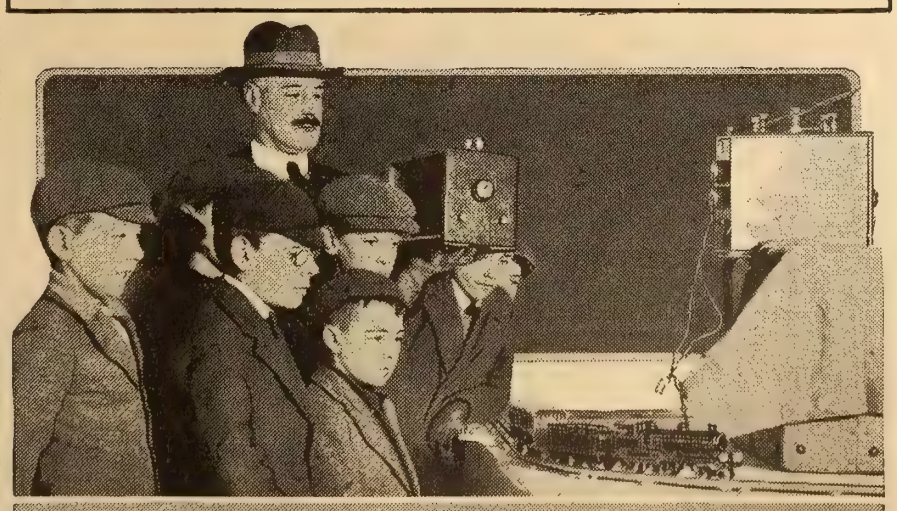
Canadian Broadcasters Unite to Promote Radio

Association to Improve Sending and Receiving Conditions

TORONTO.—All Radio stations in Canada are represented in the Canadian Association of Broadcasters which has recently been organized. The necessary formalities were concluded here at a meeting of representatives of the Canadian broadcasting stations. The following officers were elected: J. N. Cartier, CKAC, Montreal, president; M. Johnston, CFCA, Toronto, vice president; A. R. McEwan, Canadian National Railways Radio department, Montreal, secretary-treasurer; G. M. Bell, CKCK, Regina, and R. H. Combs, CKNC, Toronto, directors.

The announced purpose of the association is to improve the standard of broadcasting, to promote the interests of the owners of receiving sets, and to spread by means of Radio a wider knowledge of Canada, its advantages and opportunities.

ETHER IMPULSES CONTROL TRAIN



Major Raymond Phillips, London, England, holding control box in his hand, tells English schoolboys how ether waves can be made to control miniature train.

LONDON.—A model train controlled entirely by Radio was a feature of the School Boys' exposition which was recently conducted here.

Major Raymond Phillips, inventor of the system, declares there is no reason why it should not be applied to passenger trains.

In demonstrating his invention, he stood about sixty feet from the model. In his hand was a little box with an ordinary "buzzer" attached to it. As he touched the handle the train started away with a roar, but at another touch stopped, and then went backwards for a distance.

The achievement is accomplished by an adaptation of the ordinary principles of Radio transmission.

"I could take the driver away from a passenger train," the inventor stated, "without making any difference to the running. All that would be needed would be a fireman to stoke up the boiler, which would supply the steam in the ordinary way. Radio would operate the regulator of the locomotive and brakes."

The device does not transmit power to the

SMASH PRICE FIXING IN NEW WHITE BILL

HOUSE COMMITTEE ADDS TEETH FOR MONOPOLY

Also Inserts Provision for "Federal Radio Commission" to Regulate and Administer Radio

By L. M. Lamm

WASHINGTON, D. C.—The White Radio bill, as it has been reported to the house of representatives by the mercha marine committee, contains several important changes over the bill as it w introduced early in the session.

For one thing the committee inserted new monopoly clause in the bill wh was also contained in the White bill the last session of congress. This section, known as section four, as it is now contained in the bill reads as follows:

Anti-Monopoly Teeth Added

"Section 4. It shall be unlawful for any person, firm, company, or corporation, in any manner or by any means, (a) to send or carry, or to cause to be sent or carried, from one state, territory, or possession of the United States or the District of Columbia to any other state, territory, or possession of the United States; or (b) to bring, or to cause to be brought, into the United States or into any of its territories, or possessions from any foreign country, any Radio vacuum tubes or other Radio apparatus or any of the parts of either, whether patented or unpatented, accompanied or then or at any time affected or impressed by or with any condition, agreement, instruction, obligation, or limitation, the purpose or effect of which is to fix the price at which the purchaser may resell the same, or to prohibit or restrict the parties by whom or the purposes for which said tubes and apparatus or the parts thereof may be used."

Want Federal Commission

The committee has also inserted a provision in its reported bill which states that this act shall not apply to the Philippine Islands or the Canal Zone and provides that in Radio international matters these two places shall be represented by the secretary of state.

A still further change was made in the bill in that the United States was divided up into five zones instead of nine, and that there are to be five members of what is to be called, according to the new bill, the "Federal Radio Commission," instead of nine members as provided for in the original White bill.

Not more than three of these members are to be of the same political party and "no member of the commission shall be financially interested in the manufacture or sale of Radio apparatus or in the transmission or operation of Radio telegraphy, Radio telephony, or Radio broadcasting." The other changes in the bill as reported out by the committee are minor ones.

WGY Celebrates with Voice of 50,000 Watts

Broadcast Birthday Program Up from Nine Cities

SCHENECTADY, N. Y.—WGY, the broadcaster with the 50,000-watt voice, celebrated its fourth birthday on February 20 by broadcasting a program picked up from nine cities. Six other stations broadcast the program simultaneously.

When WGY first went on the air it had a 1,000-watt voice. Today it is licensed to speak regularly with 5,000 watts power and on Saturday and Sunday the station may express itself with ten times greater power or superpower. Further, WGY sometimes speaks with four different voices simultaneously for its words and music may be picked up on 41 meters, 109 meters, 1560 meters and 379.5 meters.

Hearing on Radio Monopoly Is Postponed Until April 1

WASHINGTON, D. C.—At the request of attorneys for the Radio Corporation of America, the taking of further testimony by the Federal Trade Commission in its Radio monopoly case was postponed from February 15 until April 1. This case has been postponed time after time, but generally at the instance of the commission itself. The hearing when it is continued will be held in New York city.

Associate Justice Broadcasts

NASHVILLE, Tenn.—Associate Justice Edward T. Sanford of the United States supreme court was speaker of honor over WSM here recently when the George Peabody College for Teachers held an alumni reunion via the air. Over ten thousand alumni in various parts of the country listened in.

CINCY'S CIVIC RADIO BOLSTERS BUSINESS

WSAI LIFTS VOICE OF CITY TO NATION OF LISTENERS

Programs Go to 400,000—Business Picks up—Citizens Gain New Self Respect

CINCINNATI.—When a city has reached the stage where it can pick business out of the air, it has achieved about the last word in commercial enterprise. The distinction belongs to Cincinnati.

Some weeks ago Cincinnati began a series of twenty Monday night community Radio concerts, broadcast over station WSAI, and made Radio and commercial history in so doing. It was the first time that a community, as such, had found ts voice, and that voice was lifted to nake the world happier. "These superprograms," the community broadcasting committee of the Chamber of Commerce announced, "are Cincinnati's contribution to the happiness of the world."

Unsolicited Business Turns Up

Business was not solicited—not even suggested—in connection with any of the programs. Indeed, it was made a hard and fast rule at the very outset that the concerts would be kept free from any suggestion of commercial advertising. Not even the name of the owner of the broadcasting station is permitted to figure in the announcements.

And yet, such is the magnetic power of Radio in the highest form of its application, that it is already yielding returns far beyond the expectations of those who fathered and fostered the community broadcasting project. The best and most lasting return, of course, is good will; and that the programs inspired from the beginning. And coming now, in increasing volume, is a return in the way of business to Cincinnati manufacturers and merchants.

Programs Go to 400,000 People

Many Cincinnati concerns have adopted a policy suggested by the community broadcasting committee, of sending monthly announcements to their respective mailing lists, in which the programs for the ensuing month are listed. Nearly 400,000 such announcements were mailed out last month. In addition, the programs are printed in the house organs of scores of other concerns.

The Cincinnati community concerts are under the direction of Fred Smith, one of the more popular Radio announcers. In conjunction with Edward J. Hoff, chairman of the community broadcasting committee, he has developed programs of an exceptionally high artistic standard. This goes, too, for the "Syncopated Hour," with which each program is concluded.

WENDALL HALL MAKES BIG RECORD CONTRACT

"Red-Headed Music Maker" to Be Exclusive Star

CHICAGO.—Wendell Hall, noted song composer, whose name has been linked with Radio for the last five years, has scored the greatest "hit" of his meteoric career. The "Red Headed Music Maker," as he is familiarly known to Radio fans all over the world, has signed a $100,000 contract with the Brunswick-Balke-Collender company to make records for them exclusively.

Papers were signed recently in New York which make the international Radio favorite one of the highest salaried artists of Syncopation and Jazz fame. Mr. Hall will record his latest compositions for Brunswick and also will sing many other popular song hits. He is to make sixteen recordings a year.

"A Celebrity a Day," New Feature at Station WGN

CHICAGO.—A novel feature, entitled "A Celebrity a Day," has been inaugurated by Station WGN, here. Each day a recognized leader in some field appears before the WGN microphone and gives a talk pursuant to his particular line of endeavor. Among those who have taken part in the new feature are: Richard Barthelmess, screen star; Garr Williams, cartoonist; Fielding H. ("Hurry-Up") Yost, Michigan athletic mentor; and Frank O. Lowden, former governor of Illinois.

"Alarm Clock Hour" at KMA

SHENANDOAH, Iowa.—To find a spot on the air where it would not be interfered with by any other station, KMA, May Seed and Nursery company here, now has an "alarm clock hour" of entertainment beginning at 6:00 a. m. Central time.

Voice Culture Is Given Through Denver Station

KOA Broadcasts Vocal Instructions To Students and Teachers

DENVER.—What is believed to be America's first Radio course in voice culture, was launched here recently by Station KOA of the General Electric broadcasting chain.

Thousands of listeners, especially voice teachers and pupils in small centers of population, have seized upon this opportunity to learn more concerning the principles of voice training. Lessons are given during the Monday evening educational program and are intended primarily as a supplement to personal instruction by resident teachers.

KGW WILL INSTALL HIGH-POWERED SET

PORTLAND STATION TO USE 1,000-WATT EQUIPMENT

Arrangements Complete to Have Super-Station Operating and New Studios Ready by April

PORTLAND, Ore.—Station KGW, the Morning Oregonian broadcaster here, has announced that within the next two months a superpower transmitter of 1,000 watts of power will be installed to replace the 500-watt equipment now in use. All arrangements have been completed for the inauguration of the new station around the middle of April.

The set now in use at KGW has been in daily use for the past four years, but with the improvements planned the station will enjoy the distinction of being the highest-powered, precision-built transmitter in the Northwest. Beautifully furnished double studios with an adjoining control room and artistically designed reception room for waiting artists, and a three-room office suite will add to the dignity of the enlarged station.

Berlin Broadcasts at 2LO

LONDON.—Irving Berlin, famous song-composer, who is here on honeymoon with his bride, formerly Ellen Mackay, daughter of the president of the Commercial Cable company, has broadcast from 2LO on the subject of the composition of popular melodies.

Radiotone Loud Speaker

Now *Only* $19.95

Was $25.00

The BEST Radio Affords

$1.00 down!

Yes, Genuine Radiotone loud speaker—the same loud speaker that is selling everywhere for $25.00—now at a sweeping cut price, only $19.95 and on easy monthly payments, besides! Only $1.00 with the coupon below brings the Radiotone to your home on approval for 30 days! No radio is complete without a loud speaker—a *good* loud speaker. The whole family may "listen in" at the same time, leisurely—instead of taking turns at the headphones. Or if you have a loud speaker now that isn't satisfactory, that doesn't bring in stations loud and clear, this is your opportunity to get a first class loud speaker—yes, the best and we'll *prove* it on this offer—at an astounding rock-bottom reduced price, direct—and on easy, monthly payments besides!

Makes Your Radio Complete

The Radiotone is the last word in sound reproduction and amplification for radio sets. It is super-sensitive. Brings in distant stations with full volume so every one in the room can hear distinctly and easily. Wonderful clearness and absolute purity of tone. No distortion. No crouching in front of the loud speaker to hear announcements.

The Radiotone has a 14-inch horn made of Thorite in one piece without seam or joint, accoustically correct. This eliminates the metallic clang you often hear in other loud speakers. The reproducing unit is entirely enclosed at the base of the horn. The well balanced construction does away with all vibrations. The Radiotone has a graceful shape with a beautiful black fiorduline finish. It stands 23 inches high and weighs only 15 lbs. No extra batteries needed for the Radiotone—just plug it in as you do your head set. Nothing to wear out or get out of order. Sent complete with cord and plug.

30 Days Trial!

When the Radiotone comes, there's nothing to pay. Use it freely at our risk, on trial for 30 days. See how much more use and fun, you and all the family get from your radio with this loud speaker. See how loud, clear and distinct the Radiotone brings in all stations—better than any other loud speaker you've ever heard, giving you the best that is in your set. After 30 days trial if you think you can get along without the Radiotone, return it to us and we will refund your dollar plus all transportation charges. No red tape. The trial costs you not a cent.

Straus & Schram, Dept. R-9812 Chicago, Ill.

Enclosed find $1. Ship special advertised Radiotone Loud Speaker, I am to have 30 days free trial. If I keep the Radiotone, I will pay you $3.00 monthly, total reduced price, $19.95. The Radiotone is to become my property as soon as you receive the final payment. If not satisfied, I am to return it within 30 days and you are to refund my money and any express charges I paid.

Radiotone Loud Speaker No. Y8728A—$19.95

My Name .....
(Head of the family must sign this order. If you are not of age, have your parent or guardian order for you.)

My Street Address
R.F.D. or Box No. .....

My Post Office ..... *My State* .....

My Shipping Point ..... *I have lived in this Town* ..... *years*

And before that I lived in ..... (Town) ..... (State) ..... *for* ..... *years*

Occupation is ..... *Age* ..... *Married or Single* .....

Give names of merchants who know you personally

Name ..... *Town* ..... *State* .....

Name ..... *Town* ..... *State* .....

If you have ever bought goods on credit by mail, tell us from whom. If there is anything else you wish to tell us about yourself, write on a piece of paper and enclose it with this coupon. But the coupon alone, fully filled out, ought to do.
That's all we want to know and we're ready to ship the goods at once. No formalities. No C.O.D. We trust rich and poor alike when they merely show us that they are honest.

$3.00 a Month

But if you decide to keep the Radiotone, pay only $3.00 a month until you have paid the special reduced price—only $19.95. See if you can equal this offer anywhere on such amazingly liberal terms. You'll scarcely feel those small monthly payments. Surely, now, you can afford to have the Radiotone—*the best loud speaker*—and get the most fun out of your radio set for all the family.

Send Coupon NOW!

Seize this opportunity on this special offer. Only $1.00 with the coupon brings the Radiotone on 30 days' trial, satisfaction guaranteed, your dollar refunded if not satisfied. Send the coupon *now* while this special offer lasts.

Straus & Schram
Dept. R-9812 Chicago, Illinois

LEMON OR CUSTARD PIES HARD TO MAKE

HOW TO KEEP UNDERCRUST FIRM IS BIG PROBLEM

Miss Betty Crocker Gives Two Methods of Preparing Great American Dessert Properly

Have you heard, and do you regularly listen for Betty Crocker's Radio talks? Miss Crocker is nationally known as a home food specialist who is broadcasting from a dozen of the country's largest stations. By special arrangement Radio Digest has secured a series of exclusive articles by Miss Crocker dealing with her current Radio talks. These broadcasts are made through WEEI, WEAF, WCAE, WGR, WEAR, WWJ, WDAF, WJAR, WHT, WFI, KSD, KFI, and WCCO, the Gold Medal station at Minneapolis-St. Paul. All of Miss Crocker's recipes and discussions are based upon actual investigations and work of herself and her assistants in model kitchens.—Editor's Note.

By Betty Crocker

ONE of the questions we have had to answer hundreds of times is "How can I make a custard pie or perhaps a cream or lemon pie, without having a soggy undercrust?" And another that comes as often is "How can I make a nice creamy meringue that will stand up and not shrink and be tough?" I am going to try to answer these problems for you.

It is very important that the undercrust of any pie be well baked and not soggy, not only because a soggy crust is unpalatable, but also because it is indigestible. There are several ways of baking crust for the one crust pie. For cream, chocolate or lemon pies, the crust is usually baked before the filling is put in. You may also use this plan for custard pie if you wish. Sometimes for pumpkin and custard, we bake the crust in a very hot oven for five minutes, then add the filling and continue baking at a lower temperature. If the crust is not baked first, it may be protected by a coating of egg white so that the liquid of the filling will not soak into it. Beat the egg white just enough to break it up, then brush it over the pie crust before the filling is put in. This is a good method to use for juicy fruit pies or custard or pumpkin pies when the filling is baked in the uncooked crust. When the crust is baked before the filling is added, the egg white is unnecessary.

Difficult Problem

It is very difficult to bake custard pies successfully, because of the fact that the crust and filling require entirely different temperatures. All pie crusts or pastry of any kind should be baked in a very hot oven so that the steam and the layers of air in the dough may expand quickly to make a flaky crust. On the other hand, the custard filling is made of eggs and milk, both of which are tough-

(Continued on page 12)

PAVES THE WAY TO MEN'S HEARTS

Miss Vivette Corman, shown above, has won thousands of friends among the housewives of the country through the daily Table Talks of Westinghouse Station KYW, at 11:35 a. m., Central time, and the correspondence received at the station shows she has a host of admirers among the married men, who claim the Table Hour has given them a lot to be thankful for.

SHORT WAVES

By Marcella

"That adorable" (Gladyce's adjective) announcer of KYW who keeps his voice in trim from the Congress hotel studio and known as Harold Isbell, can also be crossed off the prospect list, for he is happily married. My, my, this KYW outfit sure keeps the ministers busy! Harold is in charge of the "Insomnia Club." Formerly of KFI, Los Angeles. No, I'm not sure whether his wife was ever in the movies He lives in Maywood, a western suburb of Chicago, but that's nothing against him. He has nice, curly hair and wears the latest in clothes. No mustache. What's the idea—are mustaches becoming popular with us ladies again? Well, yes, I do like a neat one, but hate them waxed.

* *

Anna, who is interested in Paul Johnson, the tall, handsome, brunette medic-announcer of WCCO, will no doubt be grieved to learn that after announcing a four-hour American Legion revue from the Gold Medal station, Paul had to go to the hospital and have his tonsils removed. However, he is still six feet two or three inches tall and his voice is even more sympathic now. Married? No.

* *

Why should a broadcasting station engineer receive so much applause, eh? "Romeo and Juliet," both of 'em, want to know if Walter C. Evans, "that charming Chief Engineer of KYW," is married. The answer is yes.

* *

Jack Nelson, WJJD's charming voice, is handsome, thin and—married. Another heartbreaker eliminated! But I'm sure, if you write to Mrs. Nelson, she will be glad to tell you all about what a fine husband Jack is.

* *

How-Do-You-Do Man Harry Geise, ex-WIBO, Chicago, regarding whose whereabouts many of my girl friends seem anxious, is now out in the land of palm and pepper trees, grease paint and celluloid—in other words, Hollywood, where men are men and long pants and hats to be shunned. Harry has been appearing at the various Los Angeles and Hollywood stations and probably will soon be a fixture at one of them. He likes Holly-

(Continued on page 12)

WOMEN'S PROGRAMS INDEX

Saturday, February 27

Eastern	Central	Mountain	Pacific	
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.	
				WWJ (352.7m-850kc) Tonight's dinner.
11	10	9	8	
				WEAR (389.4m-770kc) Home service talk.
				WHT (399.8m-750kc) Women's club, Jean Sargent.
12 n.	11	10	9	
				WGN (302.8m-990kc) Household hints.
1 p. m.	12 n.	11	10	
				KMA (252m-1190kc) Domestic science topics.
12:30	11:30	10:30	9:30	
				WGN (302.8m-990kc) Discussion of fashions.
12:35	11:35	10:35	9:35	
				KYW (535.4m-560kc) Table talk.
4	3 p. m.	2 p. m.	1 p. m.	
				KJR (384.4m-780kc) Tonight's dinner.

Monday, March 1

Eastern	Central	Mountain	Pacific	
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.	
				WWJ (352.7m-850kc) Tonight's dinner.
10	9	8	7	
				WJZ (454.3m-660kc) Women's hour.
				WRC (468.5m-640kc) Women's hour.
10:45	9:45	8:45	7:45	
				WEAF (491.5m-610kc) Home service talk, Betty Crocker.
				WFI (394.5m-760kc) Gold Medal talk, Betty Crocker.
				WTAG (268m-1120kc) Talk, Marjorie Woodman, nurse.
10:50	9:50	8:50	7:50	
				WMC (499.7m-600kc) Home economics discussion, Miss Kitty.
11	10	9	8	
				WEAR (389.4m-770kc) Home service talk.
				WHT (399.8m-750kc) Women's club, Jean Sargent.
				WNYC (526m-570kc) Women's program.
				WTIC (475.9m-630kc) "Interior Decorating," Mrs. C. Barstow Langdon.
11:15	10:15	9:15	8:15	
				WTIC (475.9m-630kc) "Evolution of Washing Clothes," H. G. Kebel.
11:30	10:45	9:30	8:30	
				KFAB (370.7m-880kc) "Food for the Little Tots," Florence Atwood.
				WTIC (475.9m-630kc) Housewife's forum.
11:45	10:45	9:45	8:45	
				WCCO (416.4m-720kc) "A Gold Medal Radio Exchange," Betty Crocker. Recipes from Listeners.
				WDAF (365.6m-820kc) "A Gold Medal Radio Exchange," Betty Crocker. Recipes from Listeners.
				WHT (399.8m-750kc) Home service talk, Betty Crocker.
12	11	10	9	
				WGN (302.8m-990kc) Household hints.
				WQJ (447.5m-670kc) "Baking," Cleve Carney. "Plant Substitutes for Soap in Foreign Countries," Maud Jacobs.
12:15 p. m.	11:15	10:15	9:15	
				KYW (535.4m-560kc) Meat talk.
12:30	11:30	10:30	9:30	
				WEBH (370.2m-810kc) Fashion and household talks.
12:35	11:35	10:35	9:35	
				KYW (535.4m-560kc) Table talk.
2:30	1:30 p. m.	12:30 p. m.	11:30	
				KFNF (263m-1140kc) Mothers' hour.
3	2	1	12 n.	
				WCCO (416.4m-720kc) Women's hour.
				WSOE (246m-1220kc) Cooking chats.
4	3	2	1 p. m.	
				WIP (508.2m-500kc) Market hints for housewives.
				WOC (483.6m-620kc) Home management schedule, Aunt Jane.
				WQJ (447.5m-670kc) "Care of the Skin and Hair," Madame Huntingford.
5	4	3	2	
				KJR (384.4m-780kc) Home helps.
7:30	6:30	5:30	4:30	
				WKAR (285.5m-1000kc) "Individuality Expressed in the Furnishing of a Room," Audrey Hickman.
7:45 p. m.	6:45 p. m.	5:45 p. m.	4:45 p. m.	
				WKAR (285.5m-1000kc) "Prolonging the Usefulness of the Teeth," Ruth Cowan.

Tuesday, March 2

Eastern	Central	Mountain	Pacific	
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.	
				WWJ (352.7m-850kc) Tonight's dinner.
10	9	8	7	
				KDKA (309.1m-970kc) Domestic Science. Arts for the Housewife.
				WIP (508.2m-590kc) Menu, Anna Scott.
				WJZ (454.3m-660kc) Women's hour.
				WRC (468.5m-640kc) Women's hour.
10:45	9:45	8:45	7:45	
				WTAG (268m-1120kc) Talks to Mothers, Rosebelle Jacobus.
11	10	9	8	
				WEAR (389.4m-770kc) Home service talk.
				WHT (399.8m-750kc) Women's club, Jean Sargent.
				WMCA (340.7m-880kc) Home makers' hour.
12 n.	11	10	9	
				WGN (302.8m-990kc) Household hints.
				WQJ (447.5m-670kc) "Your Spring Outfit." "The Need for Children's Dentistry," Dr. H. Killip. "Healthy Hits and Pep Exercises," J. Toedt.
12:30 p. m.	11:30	10:30	9:30	
				WEBH (370.2m-810kc) Fashion and household talks.
12:35	11:35	10:35	9:35	
				KYW (535.4m-560kc) Table talk.
1	12 n.	11	10	
				KPO (428.3m-700kc) Domestic science talk.
2	1 p. m.	12 n.	11	
				WGY (379.5m-790kc) Talks.
3:15	2:15	1:15 p. m.	12:15 p. m.	
				WHO (526m-570kc) Recipes, household hints.
4	3	2	1	
				WIP (508.2m-590kc) Menu talk.
				WOC (483.6m-620kc) Home management schedule.
				WQJ (447.5m-670kc) "Home Dressmaking," Lillian Krauter.
4:30	3:30	2:30	1:30	
				WLIT (394.5m-760kc) Household helps and hints.
5	4	3	2	
				KJR (384.4m-780kc) Home helps.
5:30	4:30	3:30	2:30	
				KOA (322.4m-930kc) Housewives matinee.
6	5	4	3	
				KOA (322.4m-930kc) Culinary hints, Clara Hoover.
6:15	5:15	4:15	3:15	
				KOA (322.4m-930kc) Fashion review, Sally Dee.
7	6	5	4	
				KFOA (454.3m-660kc) Today's recipe.
8	7	6	5	
				WPG (299.8m-1000kc) Fashion Flashes.
8:30	7:30	6:30	5:30	
				KGO (361.2m-830kc) As a Woman Thinketh.

Wednesday, March 3

Eastern	Central	Mountain	Pacific	
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.	
				WWJ (352.7m-850kc) Tonight's dinner.
10	9	8	7	
				WIP (508.2m-590kc) Menu.
				WJZ (454.3m-660kc) Women's hour.
				WRC (468.5m-640kc) Women's hour.
10:45	9:45	8:45	7:45	
				WEAF (491.5m-610kc) Home service talk, Betty Crocker.
				WFI (394.5m-760kc) Gold Medal Service talk, Betty Crocker.
				WTAG (268m-1120kc) Talk to Housewives, Mrs. Lydia Flanders.
11	10	9	8	
				WHT (399.8m-750ko) Women's club, Jean Sargent.
				WNYC (526m-570kc) Women's program.
11:30	10:30	9:30	8:30	
				KFAB (340.7m-880kc) "What Shall I Wear," Ella Cushman.
11:45	10:45	9:45	8:45	
				WCCO (416.4m-720kc) "Mary Won't Drink Milk," Betty Crocker.
11:45 a. m.	10:45 a. m.	9:45 a. m.	8:45 a. m.	
				WDAF (365.6m-820kc) "Mary Won't Drink Milk," Betty Crocker.
				WHT (399.8m-750kc) Home service talk, Betty Crocker.
12 n.	11	10	9	
				WGN (302.8m-990kc) Household hints.
				WQJ (447.5m-670kc) "Child Welfare." "Southern Salads," E. Ransom.
12:30 p. m.	11:30	10:30	9:30	
				WEBH (370.2m-810kc) Fashion and household talks.
				WGN (302.8m-990kc) Discussion of fashions.
12:35	11:35	10:35	9:35	
				KYW (535.4m-560kc) Table talk.
1	12 n.	11	10	
				KPO (428.3m-700kc) Sewing talk.
3	2 p. m.	1 p. m.	12 n.	
				WCCO (416.4m-720kc) Woman's hour.
4	3	2	1 p. m.	
				WLW (422.3m-710kc) Cooking school.
				WOC (483.6m-620kc) Home management schedule, Aunt Jane.
				WQJ (447.5m-670kc) "Lunch for Kiddies," Jean Rich.
4:30	3:30	2:30	1:30	
				KFNF (263m-1140kc) Flower talk.
5	4	3	2	
				WMAQ (447.5m-670kc) Recipes.
7	6	5	4	
				KFOA (454.3m-660kc) Today's recipes.
				KLX (508.2m-590kc) Woman's hour.
				KMA (252m-1190kc) Domestic science talk.
8:15	7:15	6:15	5:15	
				KSAC (340.7m-880kc) "Kansas Maintenance Problems," W. Hole. "The House That Becomes a Home," H. Wichers.

Thursday, March 4

Eastern	Central	Mountain	Pacific	
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.	
				WWJ (352.7m-850kc) Tonight's dinner.
10	9	8	7	
				WIP (508.2m-590kc) Menu talk.
				WJZ (454.3m-660kc) Women's hour.
				WRC (468.5m-640kc) Women's hour.
10:45	9:45	8:45	7:45	
				WTAG (268m-1120kc) Talk, Marjorie Woodman, nurse.
10:50	9:50	8:50	7:50	
				WMC (499.7m-600kc) Home economics discussion, Miss Kitty.
11	10	9	8	
				WEAF (491.5m-610kc) Talks, cookery lecture.
				WEAR (389.4m-770kc) Home service talk.
				WHT (399.8m-750kc) Women's club, Jean Sargent.
12 n.	11	10	9	
				WGN (302.8m-990kc) Household hints.
				WQJ (447.5m-670kc) Home Economics program. "Economics Cooking," Beatrice Cary.
12:30 p. m.	11:30	10:30	9:30	
				WEBH (370.2m-810kc) Household and fashion talks.
12:35	11:35	10:35	9:35	
				KYW (535.4m-560kc) Table talks.
1	12 n.	11	10	
				KPO (428.3m-700kc) Domestic science.
1:35	12:35 p. m.	11:35	10:35	
				KSAC (340.7m-880kc) "Throwing Things Away," Maria Morris. "How the State Serves Your Home," Amy Kelly.
2	1	12 n.	11	
				WGY (379.9m-790kc) "Idiosyncrasies of Childhood and How to Meet Them," Dr. Nellie Perkins.
4	3	2 p. m.	1 p. m.	
				WOC (483.6m-620kc) Home management schedule, Aunt Jane.
				WQJ (447.5m-670kc) "Feet and Efficiency," Dr. F. Furch. "Golf—the Use of Iron Club," Ralph Thorn.
5	4	3	2	
				KFOA (454.3m-660kc) Home helps.
				KSD (545.1m-550kc) Women's hour.
5:30	4:30	3:30	2:30	
				KOA (322.4m-930kc) Housewives' matinee.
6:15 p. m.	5:15 p. m.	4:15 p. m.	3:15 p. m.	
				KOA (322.4m-930kc) Culinary hints, Clara Hoover.
6:15	5:15	4:15	3:15	
				KOA (322.4m-930kc) Fashion review, Sally Dee.
7	6	5	4	
				KFOA (454.3m-660kc) Today's recipe.
8	7	6	5	
				KFRU (499.7m-600kc) "Hints on Personal Grooming," Dorothy Logan.
8:15	7:15	6:15	5:15	
				KSAC (340.7m-880kc) "Throwing Things Away," Maria Morris. "How the State Serves Your Home," Amy Kelly.

Friday, March 5

Eastern	Central	Mountain	Pacific	
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.	
				WWJ (352.7m-850kc) Tonight's dinner.
10	9	8	7	
				KDKA (309.1m-970kc) Domestic science and Arts for the Housewife.
				WJZ (454.3m-640kc) Women's hour.
				WRC (468.5m-640kc) Women's hour.
10:45	9:45	8:45	7:45	
				WTAG (268m-1120kc) Food hints, Mildred Thomas.
11	10	9	8	
				WHT (399.8m-750kc) Women's hour, Jean Sargent.
				WTIC (475.9m-630kc) "Gunning for Bacteria at the State Capitol," F. Lee Mickle.
11:15	10:15	9:15	8:15	
				WEAF (491.5m-610kc) Sunday night suppers, Marie Sellers.
				WTIC (475.9m-630kc) "Better Parents," Mrs. H. Wooster Webber.
11:30	10:30	9:30	8:30	
				KFAB (340.7m-880kc) "Colors and Material You Can Wear This Spring," Grace Morton.
				WEAF (491.5m-610) Columbia U. lecture.
				WTIC (475.9m-630kc) Housewives' forum.
11:45	10:45	9:45	8:45	
				WCCO (416.4m-720kc) Betty Crocker talk.
				WDAF (365.6m-820kc) Betty Crocker talk.
				WEAR (389.4m-770kc) Home service talk.
12 n.	11	10	9	
				WGN (302.8m-990kc) Household hints.
				WQJ (447.5m-670kc) Sunday Dinner Menu, Ted Wilmes.
12:15	11:15	10:15	9:15	
				KYW (535.4m-560kc) Meat talk.
12:30 p. m.	11:30	10:30	9:30	
				WEBH (370.2m-810kc) Household and fashion talks.
				WGN (302.8m-990kc) Discussion of fashions.
12:35	11:35	10:35	9:35	
				KYW (535.4m-560kc) Table talk.
1:45	12:45	11:45	10:45	
				WOAW (526m-570kc) Sunshine Sunday dinner menu.
3	2 p. m.	1 p. m.	12 n.	
				WCCO (416.4m-720kc) Women's hour.
3:15	2:15	1:15	12:15 p. m.	
				WHO (526m-570kc) Recipes, household hints.
4	3	2	1	
				WOC (483.6m-620kc) Home Management. Aunt Jane.
				WQJ (447.5m-670kc) "Supper Surprises," Mary Martin.
4:30	3:30	2:30	1:30	
				WFAA (475.9m-630kc) Homemakers program.
				WMAQ (447.5m-670kc) Foibles of the Moment.
5	4	3	2	
				KJR (384.4m-780kc) Home helps.
				KYW (535.4m-560kc) Woman's hour.
5:15	4:15	3:15	2:15	
				WMAQ (477.5m-670kc)
5:30	4:30	3:30	2:30	
				KOA (322.4m-930kc) Housewives matinee.
6	5	4	3	
				KOA (322.4m-930kc) Culinary hints.
6:15	5:15	4:15	3:15	
				KOA (322.4m-930kc) Fashion review.

AN EVENING AT HOME WITH THE LISTENER IN
IN CENTRAL TIME

Call	Location	Met.	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday
AT9	Fort Bragg, N. C.	435	Silent	5:00- 6:00	Silent	Silent	Silent	7:00- 8:55	Silent
CFCA	Toronto, Ont.	356.9	Silent	6:00- 8:00	5:45- 6:45	Silent	6:00-11:00	Silent	Silent
CFCN	Calgary, Alta.	434.5	11:00- 1:00	Silent	Silent	Silent	Silent	9:00-10:00	Silent
CJCA	Edmonton, Can.	516.9	10:00-12:00	8:30- 9:30	8:30-10:30	8:30- 9:00	7:00- 9:00	10:00-12:00	9:00-12:00
CKAC	Montreal, Que.	410.7	6:00-10:30	1:45- 2:45	Silent	6:00-10:30	Silent	6:30- 8:30	Silent
CKCL	Toronto, Ont.	356.9	6:00- 7:00	2:00- 3:55	Silent	6:00-10:50	Silent	6:00- 7:00	Silent
CKNC	Toronto, Ont.	356.9	7:00- 9:00	Silent	7:00-10:00	Silent	Silent	Silent	Silent
CKY	Winnipeg, Man.	384.4	8:00-11:00	7:00-10:00	8:00-12:00	Silent	7:30-11:00	8:30-11:00	Silent
CNRO	Ottawa, Ont.	434.5	7:30-12:30	Silent	Silent	Silent	7:30-12:30	Silent	Silent
CYL	Mexico City, Mex.	480	Silent	9:24-10:54	Silent	9:24-10:54	Silent	Silent	9:24-10:54
CZE	Mexico City, Mex.	350	8:24- 9:24	Silent	8:24- 9:24	8:24- 9:24	8:24- 9:24	8:24- 9:24	8:24- 9:24
KDKA	Pittsburgh, Pa.	309.1	5:30- 8:55	3:00- 7:45	5:30- 8:55	5:30-11:35	5:30- 8:55	5:30-11:00	5:30-10:05
KFAB	Lincoln, Nebr.	340.7	5:30- 2:00	4:00-11:00	5:30- 2:00	5:30-10:30	5:30-10:30	Silent	5:30-10:30
KFDM	Beaumont, Texas	315.6	Silent	8:00- 9:00	Silent	8:00-10:30	Silent	Silent	8:00-10:30
KFI	Los Angeles, Calif.	467	8:00- 5:00	6:00- 1:00	8:00- 1:00	8:00- 1:00	8:00- 1:00	8:00- 1:00	8:00- 1:00
KFJF	Okla. City, Okla.	260.7	6:30-10:45	2:30-11:45	6:30-10:45	6:30- 7:30	6:30-12:00	6:30-10:45	6:30-10:45
KFKX	Hastings, Nebr.	288.3	5:30- 6:30	Silent	5:30-11:00	5:30- 6:30	5:30-11:00	5:30- 8:00	5:30-11:00
KUOA	Fayetteville, Ark.	299.8	Silent	Silent	7:30- 8:30	8:00- 9:00	Silent	8:00- 9:00	Silent
KFMX	Northfield, Minn.	336.9	Silent	7:00- 8:00	Silent	9:30-10:00	9:00-10:00	Silent	10:00-11:00
KFNF	Shenandoah, Ia.	263	7:00-12:00	2:30- 8:30	7:00- 9:00	7:00- 9:00	7:00- 9:00	7:00- 9:00	7:00- 9:00
KFOA	Seattle, Wash.	454.3	11:30- 1:00	Silent	9:00-12:00	8:00- 1:00	9:00-12:00	Silent	8:00- 1:00
KFON	Long Beach, Calif.	232.4	8:00- 1:00	8:00-11:30	8:00- 1:00	8:00- 1:00	8:00- 1:00	8:00- 1:00	8:00- 1:00
KFRU	Columbia, Mo.	499.7	Silent	7:30- 8:30	6:15- 7:15	6:15- 7:15	9:00-11:00	6:15- 7:15	12:00- 2:00
KFUO	St. Louis, Mo.	545.1	Silent	4:00-10:15	8:00- 9:00	Silent	9:15-10:15	Silent	Silent
KFVE	Univ'ty City, Mo.	240	9:15-10:15	Silent	9:15-10:15	9:15-10:15	9:15-10:15	Silent	9:15-10:15
KFWA	Ogden, Utah	260.7	10:00- 1:00	Silent	Silent	Silent	10:00- 1:00	Silent	Silent
KFWB	Hollywood, Calif.	252	10:00- 1:00	11:00- 1:00	9:30- 1:00	10:00- 1:00	10:00- 1:00	10:00- 1:00	9:10- 1:00
KFXF	Colorado Springs,	250	8:00-10:00	6:30- 8:00	7:30- 9:30	7:30- 9:30	Silent	8:00-10:00	Silent
KGO	Oakland, Calif.	361.2	10:30- 2:00	5:30-10:30	8:00-12:00	8:00- 2:00	8:00- 9:00	10:00- 3:00	8:00- 9:00
KGW	Portland, Ore.	491.5	8:00- 2:00	8:00-12:00	8:00-12:00	8:00- 2:00	8:00- 1:00	8:00-10:00	8:00- 2:00
KHJ	Los Angeles, Calif.	405.2	8:30-12:00	6:00-12:00	Silent	8:30-12:00	8:30-12:30	8:30-12:00	8:30-12:00
KIAF	Sihtipok, Minn.	421	Silent	4:00- 5:00	9:00-10:00	Silent	9:00-10:00	Silent	9:00-10:00
KJR	Seattle, Wash.	384.4	10:30-12:00	7:00-12:30	9:00-12:00	9:00-12:00	9:00-12:00	9:00- 2:00	9:00-12:00
KLDS	Independence, Mo.	440.9	8:00- 9:00	6:30-10:00	Silent	8:00-11:59	Silent	8:00- 9:00	Silent
KLX	Oakland, Calif.	508.2	Silent	Silent	6:00-12:30	Silent	6:00-12:00	Silent	6:00-12:30
KMA	Shenandoah, Iowa	252	6:00-11:00	4:00- 6:00	6:00-11:00	6:00-11:00	6:00-11:00	6:00-11:00	6:00-11:00
KMOX	St. Louis, Mo.	280.2	6:00-11:00	Silent	6:00-11:00	6:00-11:00	6:00-11:00	Silent	6:00-11:00
KNX	Hollywood, Calif.	336.9	8:15- 4:00	8:30-12:30	8:30- 2:00	8:15- 2:00	8:15- 2:00	8:15- 2:00	8:15- 2:00
KOA	Denver, Colo.	322.4	10:00-12:00	4:00- 9:45	7:30-11:30	7:30- 9:30	7:30- 1:00	7:30- 8:30	7:30-10:00
KOB	State College, N.M.	348.6	Silent	Silent	8:30- 9:30	Silent	Silent	Silent	8:30- 9:30
KOIL	Council Bluffs, Ia.	278	7:00- 3:00	7:00-12:00	6:00-12:00	6:00-12:00	6:00- 7:15	6:00-12:00	7:00-12:00
KPO	San Francisco, Cal.	428.3	8:35- 2:00	7:00-12:00	8:40- 1:00	8:40- 1:00	8:40- 1:00	8:40- 1:00	8:30- 1:00
KPRC	Houston, Texas	296.9	7:30-12:00	7:30-10:30	7:30-10:00	7:30- 9:30	7:30-12:00	7:30-12:00	Silent
KPSN	Pasadena, Cal.	315.6	10:00-12:00	8:45-10:45	Silent	10:00-11:30	Silent	10:00-11:00	Silent
KSD	St. Louis, Mo.	545.1	7:00-10:00	6:15- 9:15	7:00-12:00	6:55-10:00	7:00- 9:00	6:55-10:00	7:00-10:00
KSL	Salt Lake City, Ut.	299.8	9:00-12:00	9:00-11:00	9:00-12:00	8:30-11:30	8:30-11:30	8:45-12:00	8:30-12:00
KTAB	Oakland, Calif.	240	Silent	9:45- 1:00	10:00-12:00	10:00-12:00	Silent	10:00-12:00	10:00-12:00
KTBI	Los Angeles, Calif.	293.9	Silent	9:15-11:30	Silent	10:00-11:00	Silent	10:00-11:00	Silent
KTCL	Seattle, Wash.	305.9	Silent	8:10-11:10	9:00-10:00	10:00-11:00	Silent	Silent	9:00- 2:00
KTHS	Hot Springs, Ark.	374.8	9:00-10:30	9:00-11:30	9:00-11:00	9:00-10:30	9:00-11:00	9:00-10:45	9:00-11:00
KTW	Seattle, Wash.	455	Silent	9:00-11:30	Silent	Silent	Silent	Silent	Silent
KWKH	Shreveport, La.	260.7	9:00-12:00	7:00-11:00	10:00-11:30	9:00-12:00	Silent	8:00- 9:30	Silent
KWSC	Pullman, Wash.	348.6	Silent	Silent	9:30-11:00	Silent	9:30-11:00	Silent	9:30-11:00
KWWG	Brownsville, Tex.	278	6:00- 7:00	2:30- 3:30	8:30- 9:30	6:00- 7:00	6:00- 7:00	6:00- 7:00	6:00- 7:00
KYW	Chicago, Ill.	535.4	6:00- 1:00	2:30-10:30	Silent	6:00-12:00	6:00- 1:30	6:00- 2:00	6:00- 1:30
NAA	Radio, Va.	434 5	Silent	Silent	6:45- 7:00	7:30- 8:30	Silent	Silent	Silent
PWX	Havana, Cuba	400	7:30-10:00	Silent	7:30-12:00	7:30-12:00	7:30-10:00	Silent	Silent
WADC	Akron, Ohio	258	5:30- 6:30	5:30- 6:30	5:30- 6:30	5:30-10:00	5:30- 6:30	5:30-10:00	5:30-10:00
WAHG	Richmond, N. Y.	315.6	11:00- 1:00	Silent	6:30- 1:00	Silent	6:30-11:00	Silent	7:00-10:00
WAMD	Minneapolis, Minn	244	6:15-12:00	6:15-10:30	7:00-12:00	Silent	7:00-12:00	6:15-12:00	6:15-12:00
WBAL	Baltimore, Md.	246	Silent	5:30- 7:30	5:30- 9:00	5:30- 9:00	Silent	5:00- 9:00	5:30- 9:00
WBAP	Fort Worth, Tex.	475.9	6:00-11:00	5:00-11:00	6:00-12:00	6:00-11:00	6:00- 6:30	6:00-12:00	6:00-12:00
WBAR	Sisiht, Wis.	406	Silent	10:00-11:00	9:00-10:00	Silent	8:00- 9:00	7:30- 8:30	Silent
WBBM	Chicago, Ill.	226	8:00- 2:00	4:00- 2:00	6:00- 7:00	8:00-12:00	8:00- 2:00	8:00-12:00	8:00-10:00
WBBR	Staten Island, N.Y.	272.6	7:00- 9:00	8:00- 9:15	7:00- 8:00	Silent	Silent	7:00- 8:00	Silent
WBCN	Chicago, Ill.	266	9:00- 1:00	5:00-12:00	Silent	9:00- 1:00	8:00-12:00	9:00- 2:00	9:00- 1:00
WBZ	Springfield, Mass.	333.1	5:30- 9:00	6:00- 8:00	5:30- 9:30	5:30- 9:15	5:30- 9:00	5:30- 9:00	5:30- 9:00
WCAE	Pittsburgh, Pa.	461.3	7:30-8:30	5:30- 9:15	5:30-11:00	5:30-11:00	5:30- 9:00	5:30-10:00	5:30- 9:30
WCAP	Washington, D. C.	468.5	Silent	3:00- 9:15	6:00-10:00	Silent	6:00-10:00	Silent	5:00-11:00
WCAU	Philadelphia, Pa.	278	Silent	4:00-10:30	7:00-10:30	5:45-10:30	5:45-11:00	5:30-11:30	5:45-10:30
WCBD	Zion, Ill.	344.6	Silent	8:00-10:30	Silent	8:00-10:30	Silent	8:00-10:30	Silent
WCCO	Minn-St. P., Minn.	416.4	6:15-11:05	4:10- 8:15	6:30-10:00	6:15-10:00	6:45-12:30	7:00-11:05	6:15-11:05
WCX	Detroit, Mich.	516.9	5:00- 6:00	6:15- 7:15	5:00- 8:00	5:00- 1:00	5:00- 8:00	5:00- 8:00	5:00- 9:00
WDAF	Kansas City, Mo.	365.6	6:00- 1:00	4:00- 4:45	6:00- 1:00	6:00- 1:00	6:00- 1:00	6:00- 1:00	6:00- 1:00
WDBO	Winter Park, Fla.	240	8:00- 9:30	4:00- 5:00	8:00- 9:30	8:30-10:00	8:00- 9:30	8:00- 9:30	8:00- 9:30
WDWF	Providence, R. I.	440.9	Silent	Silent	Silent	6:45- 7:00	6:25- 7:40	6:45- 7:00	6:45- 7:00
WEAF	New York, N. Y.	491.5	5:00-11:00	1:00- 9:15	5:00-11:00	5:00-11:00	5:00-11:00	5:00-11:00	5:00-11:00
WEAO	Columbus, Ohio	293.9	Silent	Silent	Silent	6:00- 8:00	7:00- 8:00	7:00-10:00	Silent
WEAR	Cleveland, Ohio	389.4	6:00-12:00	6:00- 9:15	6:00- 7:00	6:00-11:00	6:00- 7:00	6:00-10:00	6:00-11:00
WEBH	Chicago, Ill.	370.2	7:00- 2:00	5:00- 9:00	Silent	7:00-12:30	7:00-12:30	7:00-12:30	7:00-12:30
WEBJ	New York, N. Y.	272.6	Silent	Silent	Silent	7:00- 9:00	7:00- 9:00	Silent	6:00- 8:00
WEEI	Boston, Mass.	348.6	7:10-10:00	2:00- 9:15	5:15-10:00	6:30-10:30	5:15-10:00	6:30-10:00	6:30-10:00
WENR	Chicago, Ill.	266	6:00- 2:00	2:00-12:00	Silent	6:00-10:00	6:00- 2:00	6:00-10:00	6:00- 2:00
WFAA	Dallas, Tex.	475.9	6:30-12:00	6:00-12:00	6:30- 9:30	6:30-12:00	Silent	6:30-12:00	6:30- 9:30
WFBH	New York, N. Y.	272.6	10:30- 1:00	4:00- 7:00	10:30- 1:00	10:30- 1:00	10:30- 1:00	10:30- 1:00	10:30- 1:00
WFI	Philadelphia, Pa.	394.5	5:30-11:00	3:30- 4:30	5:30- 7:00	5:30-10:30	5:30- 7:00	5:30-10:00	5:30- 7:00
WGBS	New York, N. Y.	315.6	5:00-10:30	7:00-8:00	6:00- 6:15	5:00-10:30	5:00- 7:30	5:00- 7:45	Silent
WGBU	Fulford, Fla.	278	5:30-12:00	8:30-11:00	5:30-12:00	5:30-12:00	5:30-12:00	5:30-12:00	5:30-12:00
WGCP	New York, N. Y.	252	Silent	7:00-10:15	7:00-10:00	Silent	7:00-10:15	Silent	7:00-10:00
WGES	Oak Park, Ill.	250	5:00- 1:00	5:00-12:00	5:00- 7:00	5:00- 1:00	5:00- 1:00	5:00- 1:00	5:00- 1:00
WGHB	Clearwater, Fla.	266	5:30-12:00	Silent	5:30-12:00	5:30-12:00	5:30-12:00	5:30-12:00	5:30-12:00
WGHP	Detroit, Mich.	270	Silent	Silent	6:00- 1:00	6:00- 1:00	6:00- 1:00	6:00- 1:00	6:00- 1:00
WGN	Chicago, Ill.	302.8	6:30-10:00	3:00- 9:15	6:30- 7:00	6:30-11:00	6:30-11:00	6:30-11:00	6:30-11:00
WGR	Buffalo, N. Y.	319	Silent	6:45- 9:15	5:30-11:00	5:30-10:00	5:30-12:00	5:30-10:00	5:30-11:00
WGY	Schenectady, N. Y.	379.5	5:30-11:00	2:00- 8:15	5:30- 7:45	5:30-10:30	5:30- 8:05	5:30-11:30	6:00-10:30
WHAD	Milwaukee, Wis.	275.1	Silent	3:15- 4:15	6:15-10:00	6:15- 7:00	6:15-12:30	6:15- 7:00	6:15-10:00
WHAR	Atlantic City, N. J.	275.1	6:30- 8:00	6:50- 9:00	6:30-11:00	6:30- 8:00	Silent	6:30-11:00	6:30- 8:00
WHAS	Louisville, Ky.	399.8	7:30- 9:00	4:30- 5:30	Silent	7:30- 9:30	7:30- 9:00	7:30- 9:00	7:30- 9:00
WHAZ	Troy, N. Y.	379.5	Silent	Silent	8:00-11:00	Silent	Silent	Silent	Silent
WHB	Kansas City, Mo.	365.6	Silent	8:00- 1:00	7:00- 8:00	7:00-10:00	7:00- 8:00	7:00-10:00	7:00- 8:00
WHN	New York, N. Y.	361.2	6:30- 9:00	4:00- 4:30	7:00-11:00	8:30- 9:00	9:00-10:30	7:00- 9:00	6:30-11:30
WHO	Des Moines, Ia.	526	Silent	7:30- 8:30	7:30-12:00	7:30-12:00	6:00-12:00	7:30-12:00	7:30-12:00
WHT	Chicago, Ill.	399.8	7:00- 1:00	12:00-10:30	Silent	7:00- 1:00	7:00- 1:00	7:00- 1:00	7:00- 1:00
WIBO	Chicago, Ill.	226	6:00- 8:00	6:00-12:00	Silent	6:00- 2:00	6:00-12:00	6:00- 2:00	6:00- 2:00
WIP	Philadelphia, Pa.	508.2	5:05-11:05	3:00- 4:00	5:05- 7:00	5:05-10:30	5:05- 7:00	5:05-10:15	5:05- 7:00
WJAR	Providence, R. I.	305.9	Silent	6:20- 9:15	6:30-10:00	6:30- 8:05	6:30-10:00	6:45-10:00	6:30-11:00
WJAS	Pittsburgh, Pa.	275.3	6:00-11:00	Silent	6:00-11:00	6:00-11:00	6:00- 1:00	6:00-11:00	6:00-11:00
WJAX	Jacksonville, Fla.	336.9	7:00- 9:00	6:30- 7:30	7:00- 9:00	7:00-11:00	7:00- 9:00	7:00-11:00	7:00- 9:00
WJAZ	Chicago, Ill.	322.4	Silent	Silent	Silent	Silent	Silent	10:00-12:00	Silent
WJJD	Mooseheart, Ill.	370.2	5:30- 1:00	3:00- 4:00	Silent	5:30- 1:00	5:30- 1:00	5:30- 1:00	5:30- 1:00
WJR	Pontiac, Mich.	516.9	6:00-11:30	Silent	6:00-11:30	6:00- 9:00	6:00-11:30	6:00-10:00	6:00- 9:00
WJZ	New York, N. Y.	454.3	6:00-10:30	6:00-10:00	8:00- 9:00	6:00-10:30	6:00-10:30	6:00-10:45	6:00-10:30
WKAQ	San Juan, P. R.	340.7	Silent	Silent	Silent	Silent	6:00- 8:00	6:00- 8:00	6:00- 8:00
WKAR	Lansing, Mich.	285.5	11:30- 1:00	Silent	6:15- 8:00	6:15- 7:00	6:15- 8:00	6:15- 7:00	6:15- 8:00
WKRC	Cincinnati, O.	422.3	10:00-12:45	6:45-12:30	6:00- 1:00	10:00-12:00	6:00- 1:00	10:00-12:15	Silent
WLIB	Chicago, Ill.	302.8	6:00- 1:00	5:00- 7:00	Silent	7:00- 1:00	7:00- 1:00	7:00- 1:00	7:00- 1:00
WLIT	Philadelphia, Pa.	394.5	6:30- 7:30	5:30- 7:00	6:30-10:45	6:30- 6:50	6:30-10:30	6:30- 7:30	6:30-11:00
WLS	Chicago, Ill.	344.6	7:00- 1:00	6:00- 7:55	Silent	7:00- 8:00	7:00-11:30	7:00- 8:55	7:00-11:30
WLW	Cincinnati, O.	422.3	7:00-10:30	3:00- 9:30	6:00- 9:00	6:00-10:00	6:00-12:00	7:00- 1:15	Silent
WLWL	New York, N. Y.	288.3	Silent	6:00- 7:00	7:00- 9:00	Silent	Silent	7:00- 9:00	Silent
WMAK	Lockport, N. Y.	265.5	5:15-11:00	6:30- 7:30	6:30- 9:00	5:15- 6:15	6:30- 9:00	5:15- 6:15	Silent
WMAQ	Chicago, Ill.	447.5	8:00-10:00	Silent	Silent	8:00-10:15	8:00- 9:45	7:00-11:00	8:00-10:15
WMAZ	Macon, Ga.	260.7	Silent	Silent	9:00-10:00	7:00- 8:00	10:00-11:00	9:00-10:00	7:00-10:00
WMBB	Chicago, Ill.	250	7:00-11:00	3:00-11:00	Silent	7:00-11:00	7:00-11:00	7:00-11:00	7:00-11:00
WMBF	Miami Beach, Fla.	384.4	6:00-12:00	6:00-12:00	6:00-12:00	6:00-12:00	6:00-12:00	6:00-12:00	6:00-12:00
WMC	Memphis, Tenn.	499.7	7:15- 9:30	Silent	7:15- 9:00	7:15-12:00	Silent	7:15- 9:45	7:15-12:00
WMCA	New York, N. Y.	340.7	8:00-12:00	6:00- 9:00	8:00-11:00	7:00-11:00	8:00-11:00	8:00-11:00	7:00-10:45
WNAC	Boston, Mass.	280.2	5:00-10:00	2:15- 7:45	5:30- 9:45	5:00- 8:00	5:00- 9:00	5:00- 8:00	5:00-10:00
WNYC	New York, N. Y.	526	6:00- 9:30	8:00-10:00	6:35- 9:30	6:10- 9:30	6:30-9:30	6:35- 9:30	6:30- 9:30
WOAI	San Antonio, Texas	394.5	Silent	7:30-10:30	Silent	8:30-10:30	8:30- 9:30	Silent	8:30- 9:30
WOAN	Lawrenceb'g, Tenn.	282.8	Silent	9:00-10:00	9:00- 1:30	9:00-10:00	9:00-10:00	9:00-10:00	9:00-10:00
WOAW	Omaha, Nebr.	526	6:00-12:00	6:00- 9:00	6:00-11:00	6:00- 1:00	Silent	6:00- 1:00	6:00-11:15
WOAX	Trenton, N. J.	240	Silent	8:30-10:30	Silent	Silent	Silent	Silent	Silent
WOC	Davenport, Ia.	483.6	6:30-12:00	6:30-11:45	Silent	6:30-11:30	6:30-10:30	6:30-12:00	6:30-10:30
WOK	Homewood, Ill.	217.3	10:00- 1:00	6:30- 8:30	Silent	10:00- 1:00	10:00- 1:00	10:00- 1:00	10:00- 1:00
WOO	Philadelphia, Pa.	508.2	6:30- 7:30	5:05- 9:15	6:30-11:00	6:30- 7:30	6:30-11:00	6:30- 7:30	6:30-11:00
WOQ	Kansas City, Mo.	278	8:00-11:00	7:00- 7:45	Silent	8:00- 9:00	Silent	7:00- 9:00	Silent
WOR	Newark, N. J.	405.2	5:15- 7:30	Silent	5:15- 8:30	5:15- 6:30	5:15-11:00	5:15- 6:30	5:15- 6:30
WORD	Batavia, Ill.	275	7:00-10:25	2:30-10:00	Silent	7:00-12:45	7:00-12:00	8:00-10:00	7:00-12:45
WOS	Jefferson City, Mo.	440.9	Silent	8:00- 9:00	8:00-10:00	Silent	8:00-10:00	Silent	8:00-10:00
WPG	Atlantic City, N. J	299.8	5:45-11:00	2:15-10:00	5:45-11:15	5:45-11:00	Silent	5:45-11:00	5:45-11:00
WQJ	Chicago, Ill.	447.5	7:00- 8:00	7:00-10:00	Silent	7:00- 2:00	7:00- 2:00	7:00- 2:00	7:00- 2:00
WRC	Washington, D. C.	468.5	6:15-10:30	Silent	Silent	6:00-10:30	Silent	6:00-11:30	Silent
WREO	Lansing, Mich.	285.5	5:00-11:00	6:00- 7:00	5:00- 6:00	5:00- 8:15	5:00- 6:00	5:00-11:30	Silent
WRVA	Richmond, Va.	256	Silent	Silent	7:10- 9:10	Silent	7:10-10:00	8:30-11:30	6:00-10:00
WRW	Tarrytown, N. Y.	273	8:00-10:30	7:00-10:30	8:00-10:30	8:00-10:30	8:00-10:30	8:00-10:30	8:00-10:30
WSAI	Cincinnati, O.	325.9	7:30- 9:15	7:45-10:15	10:00-12:00	6:30-10:30	10:00-12:00	7:00-10:00	Silent
WSB	Atlanta, Ga.	428.3	8:00-12:00	7:30- 9:15	8:00-12:00	8:00-12:00	10:45-12:00	8:00-12:00	8:00-12:00
WSM	Nashville, Tenn.	319	6:30-12:00	Silent	6:30-11:00	10:00-12:00	6:30-11:00	Silent	6:30-11:00
WSMB	New Orleans, La.	282.8	8:30-10:30	Silent	8:30-11:30	Silent	8:30-10:30	8:30-11:00	Silent
WSUI	Iowa City, Ia.	483.6	Silent	9:15- 9:45	7:30- 8:30	Silent	7:45- 8:45	Silent	Silent
WSWS	Chicago, Ill.	275.1	6:00- 1:00	Silent	6:00- 7:00	6:00- 1:00	6:00- 1:00	6:00- 1:00	6:00- 1:00
WTAG	Worcester, Mass.	268	Silent	3:00- 9:15	6:00-10:00	6:45-10:00	6:45-10:00	7:00-10:00	7:00- 9:30
WTAM	Cleveland, O.	389.4	5:00-11:00	Silent	5:00-11:00	5:00- 6:00	5:00-11:00	5:00- 6:00	5:00- 6:00
WTIC	Hartford, Conn.	475.9	5:30-11:00	4:00- 9:30	5:30-11:00	Silent	5:30- 9:00	5:30- 6:30	5:30-11:00
WWJ	Detroit, Mich.	352.7	Silent	5:20- 9:15	5:00- 8:00	5:00- 8:00	5:00- 9:00	5:00-11:30	5:00- 9:00

STATIONS IN ORDER OF WAVE LENGTHS

Meters	Call	Meters	Call	Meters	Call	Meters	Call	Meters	Call	Meters	Call
217.3	WOK	268	WTAG	293.9	WEAO	344.6	WCBD	394.5	WOAI	461.3	WCAE
226	WBBM	270	WGHP	296.9	KPRC	344.6	WLS	399.8	WHAS	467	KFI
226	WIBO	272.6	WBBR	299.8	KUOA	348.6	KOB	399.8	WHT	468.5	WCAP
232.4	KFON	273	KWKH	299.8	KSL	348.6	KWSC	400	PWX	468.5	WRC
240	KFVE	272.6	WEBJ	299.8	WPG	348.6	WEEI	405.2	KHJ	475.9	WBAP
240	KTAB	272.6	WFBH	302.8	WGN	350	CZE	405.2	WOR	475.9	WTIC
240	WDBO	273	WRW	302.8	WLIB	352.7	WWJ	406	WBAR	475.9	WFAA
240	WOAX	275.1	WHAD	305.9	KTCL	356.9	CFCA	410.7	CKAC	480	CYL
244	WAMD	275.1	WHAR	305.9	WJAR	356.9	CKCL	416.4	WCCO	483.6	WOC
246	WBAL	275.1	WORD	309.1	KDKA	356.9	CKNC	421	KIAF	483.6	WSUI
250	KFXF	275.1	WSWS	315.6	KFDM	361.2	KGO	422.3	WLW	491.5	KGW
250	WGES	275.3	WJAS	315.6	KPSN	361.2	WHN	422.3	WKRC	491.5	WEAF
250	WMBB	278	KOIL	315.6	WAHG	365.6	WDAF	428.3	WSB	499.7	KFRU
252	KFWB	278	KWWG	315.6	WGBS	365.6	WHB	428.3	KPO	499.7	WMC
252	KMA	278	WCAU	319	WGR	370.2	WEBH	434.5	CNRO	508.2	KLX
252	WGCP	278	WGBU	319	WSMB	370.2	WJJD	434.5	CFCN	508.2	WIP
256	WRVA	278	WOQ	322.4	KOA	374.8	KTHS	434.5	NAA	508.2	WOO
258	WADC	280.2	KMOX	322.4	WJAZ	379.5	WGY	435	AT9	516.9	CJCA
260.7	KFWA	280.2	WNAC	325.9	WSAI	379.5	WHAZ	440.9	KLDS	516.9	WCX
260.7	KFJF	282.8	WOAN	333.1	WBZ	384.4	CKY	440.9	WDWF	516.9	WJR
260.7	KWKH	282.8	WSM	336.9	KNX	384.4	KJR	440.9	WOS	526	WHO
260.7	WMAZ	285.5	WKAR	336.9	KFMX	384.4	WMBF	447.5	WMAQ	526	WNYC
263	KFNF	285.5	WREO	336.9	WJAX	389.4	WEAR	447.5	WQJ	526	WOAW
265.6	WMAK	288.3	KFKX	340.7	KFAB	389.4	WTAM	454.3	KFOA	535.4	KYW
266	WBCN	288.3	WLWL	340.7	WKAQ	394.5	WFI	454.3	WJZ	545.1	KFUO
266	WGHB	293.9	KTBI	340.7	WMCA	394.5	WLIT	455	KTW	545.1	KSD

LEMON OR CUSTARD PIE

(Continued from page 11)

ened if baked at a high temperature. That means that if the oven is hot enough for the crust, the filling will be watery, and if the temperature is right for the filling the crust will be soggy. So no wonder that you have had trouble.

This is the way we solve that problem. Put the custard pie into a very hot oven for about 15 minutes to set the crust, then reduce the heat a slow oven so that the filling will not be overcooked. If you do not have a thermometer to gage your oven temperature, I would advise you to bake the crust five minutes in a very hot oven (about 500°F.) then add the filling and continue baking in a moderate oven. This is the way we make custard pie in our Gold Medal Model Kitchen:

Two eggs, ¼ cup sugar, ⅛ teaspoon of salt, 2 cups of milk, ½ teaspoon of vanilla, nutmeg.

Method: Beat the eggs slightly. Add sugar, salt, milk and flavoring. Pour into the crust. Place in a very hot oven and bake 15 minutes, 450°F. Reduce the temperature to 350°F. moderate oven and continue baking until done. This amount will make one nine-inch pie. If you use the other plan which I suggested, bake the crust five minutes in a very hot oven, then add the filling and bake about 40 minutes in a moderate oven, 350°F.

Recipe for Lemon Pie

There are many kinds of fillings for lemon pie, but the favorite seems to be the clear lemon filling covered with meringue. This is the kitchen tested recipe for lemon pie:

One cup sugar, ¼ teasoon of salt, 6 tablespoons of flour, 1½ cups of water, 5 tablespoons of lemon juice, grated rind of 1 lemon, 1 teaspoon of butter, 2 eggs.

Method: Mix sugar, salt and flour together. Add water and cook until clear. Add lemon juice, grated rind and butter. Add the beaten egg yolks and cook 2 minutes. Pour into a baked pie shell. Make a meringue of two egg whites and 2 tablespoons of sugar. Cover pie with meringue. Bake 20 minutes in a slow oven, 300°F.

And now for the meringue. The texture of the meringue will depend very much upon the freshness of the eggs used, and it will be tender or tough according to the temperature used in baking. Always remember that eggs should never be cooked at a high temperature because long cooking or high temperature toughens eggs. Therefore, your meringue should be baked in a slow oven, and never in a hot oven. Meringue made of granulated sugar seems to be the most satisfactory because it has a much better flavor than one made with powdered sugar. A meringue made of powdered sugar is lighter and fluffier and stands up better, but I think you will find that meringue made with granulated sugar is more satisfactory.

I hope that I have answered some of your questions and given you some suggestions that will help you to make a more perfect pie.

* *

A mammoth glee club concert was broadcast recently by WEAF, New York, when the third annual concert of the Associated glee clubs, directed by Walter Damrosch, was sent over the ether.

SHORT WAVES

By Marcella

(Continued from page 11)

wood, likes California, likes the climate, (adv.), and intends to stay and, in the words of Rob Wagner, become a Californian. And finally, to crush many maidens' hearts, I must add that he is married and has a daughter.

* *

To get rid of a bunch of correspondence all at once, I shall now dwell upon the "Ray-O-Vac" twins. This will take care of the nice, complimentary notes from D. H., "Miss Blarney," and a number of other friends who seem anxious regarding this duo. Both are married. Both sing. Russell Wildey is the pianist. Both are natives of Chicago, and have dark complexions and hair, which is natural, considering the soft coal smoke prevalent in their home town.

* *

Another boy chum gets curious! J. W. McC. wants me to "find out if Kay Ronayne, my favorite Radio entertainer, thinks Rube Bloom is the best piano player in the country? If not, who, or any ideas she may have?" Well, J. W., Kay tells me that she thinks Murray Bloom is the best. Close anyway, but she hastened to remark to me to tell you that she always accompanies herself. And she never gets the piano out of time with her singing, which proves she is a good accompanist.

* *

"Sweet Adeline" is on the right trail. Inquiries about a bachelor by the name of Lambdin "Tot" Kay, of WSB. Ever heard of him? Sure. Where has he gone? Still at Atlanta, although you probably tuned in for him while he was away for a few days helping out some other broadcaster. He is popular that way.

* *

Why ask me if I am married, John N? I told your several issues back that I was free and footloose. Sure, send on the candy, I have a pet Pekingese that loves it!

* *

Do we of the Digest ever list Jack Little under any other name in the programs, asks L. H. No, dear sir or madam, as the case may be, I nor we never do. It's always Jack Little in print, although he doesn't always advise us early enough of his route to keep you informed.

* *

Uxtry, Uxtry! Phillips Carlin, popular WEAF announcer to be divulged. Watch Marcella's further efforts in a future issue, may be the next. I'm only now trying to find out if he is married or not, and what his favorite dessert is. When I tell you, I bet he'll be inundated with his pet delicacy, if your letters are a barometer of your fervor.

* *

What deep secret would you like to know about your favorite broadcast star? Drop me a note, girls and boys, and I'll do by best to answer here. MARCELLA.

ADVANCE PROGRAMS FOR THE WEEK

Saturday, February 27

Headliners Today

Eastern	Central	Mountain	Pacific	
8:10 p. m.	7:10 p. m.	6:10 p. m.	5:10 p. m.	WEEI (348.6m-860kc) Boston symphony orchestra.
8:15	7:15	6:15	5:15	WGY (379.5m-790kc) International collegiate night.
9	8	7	6	WLW (422.3m-710kc) Old fiddlers.
				WRC (468.5m-640kc), George Washington U.
				WTIC (475.9m-630kc) Clements entertainers.
				WSB (428.3m-700kc) Atwater Kent hour.
9:30	8:30	7:30	6:30	WMC (499.7m-600kc) "Aida," opera.
9:45	8:45	7:45	6:45	WFI (394.5m-760kc) Latvian operatic singers.
10	9	8	7	WEEI (348.6m-860kc) Lucerne Girls' quintet.
10:30	9:30	8:30	7:30	WBAP (475.9m-630kc) Sunflower Girl.
10:45	9:45	8:45	7:45	WSB (428.3m-700kc) Red Head club.
11:10	10:10	9:10	8:10	KGO (361.2m-830kc) Salvation Army band.
12	11	10	9	KPRC (296.9m-1010kc) Bay City entertainers.

Saturday, silent night for: CFAC, CFCA, CNRA, CNRC, CNRE, CNRM, CNRR, CNRT, CNRV, CNRW, KFDM, KFKX, KFMX, KFRU, KFUO, KFXF, KLX, KMA, KOAC, KOB, KQP, KSAC, KSO, KTAB, KWSC, WABQ, WCX, WDOD, WEAO, WEBJ, WEBW, WGCP, WGHP, WGST, WHAD, WHAZ, WGR, WHN, WHO, WIP, WJAR, WJAZ, WKAQ, WKAR, WLIT, WLWL, WMAZ, WOAI, WOS, WRVA, WTAG, WTIC, WWJ.

Eastern Time Stations

CHIC, Toronto, Can. (356.9m-840kc), 10:30 p. m., Al Linton's orchestra.

CKCL, Toronto, Can., (357m-840kc), 7-8 p. m., dinner concert, Low brothers concert orchestra.

CKNC, Toronto, Can. (356.9m-840kc), 4 p. m., instrumental quintet; concert singers; 8, Charles E. Bodly's orchestra; Paramount quartet; Gerrard J. Kelly, Fred Rogers, Dwight Wilson, E. Forrester; Elsie White, soprano; Bob Harvey, tenor.

CNRO, Ottawa, Can. (434.5m-690kc), 8 p. m., Chateau Laurier concert orchestra; 8:45, Hull City band; dance orchestra.

KDKA, Pittsburgh, Pa. (309.1m-970kc), 6:30 p. m., concert, Westinghouse Employes' band; 8, program, Stockman studio; 8:30, concert, Westinghouse band.

WBBR, New York, N. Y. (273m-1100kc), 8 p. m., Prof. Charles Rohner, violinist; 8:20, Fred Twaroschk, tenor; 8:40, Fred Twaroschk, tenor; 8:50, Prof. Charles Rohner, violinist.

WBZ, Springfield, Mass. (333.1m-900kc), 6:45 p. m., Hotel Lenox ensemble; 7:45, Daniel Kuntz' orchestra, 9:15, vocal selections; 9:30, piano recital, Winifred Beaver; 9:45, Leo Reisman's Hotel Brunswick orchestra.

WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., dinner program, Goldkette ensemble.

WDBO, Winter Park, Fla. (239.9m-1250kc), 7:45-9:30 Winter Park city band.

WEAF, New York, N. Y. (491.5m-610kc), 1:30-3 p. m., Foreign Policy association meeting; 4-5, dance orchestra; 5-6, Vincent Lopez and orchestra; 6-7, dance music, Hotel Waldorf-Astoria; 7, Chandler mixed quartet; 7:15, Grosskopf string trio; 7:30, Pattison Coates, baritone; 7:50, Grosskopf string trio; 8:15, Van Vliet trio; 8:30, Shakespearean hour, "Hamlet"; 9:30, WEAF musical comedy troupe; 10, William O. Bell, baritone; 10:10 p. m., Ross Gorman and orchestra from Monte Carlo; 11-12 p. m., Vincent Lopez and orchestra from Casa Lopez.

WEAR, Cleveland, Ohio (389.4m-770kc), 7 p. m., Hotel Statler concert orchestra.

WEEI, Boston, Mass. (348.6m-860kc), 8:10 p. m., Boston Symphony orchestra; 10, Lucerne Girls' quintet.

WFI, Philadelphia, Pa. (394.5m-760kc), 1 p. m., S. and C. tea room ensemble; 3, Anderson's Melody Makers' 6:30, Bellevue Startford concert orchestra; 7, Bellevue Stratford dance orchestra; 8, Trinity Presbyterian quartet; Margaret Woolman Valentine, pianist; Alice Fischelis, soprano; Elizabeth Lippincott, contralto; Albert Ockenlaender, tenor; Charles W. Dunnett, baritone; 8:45, double male quartet; 9, piano recital, Loretta Kerk; 9:15, Strawbridge and Clothier male chorus, direction Ednyfed Lewis; 9:45, Latvian operatic singers; 10:15, S. and C. concert orchestra; 11:15, Bellevue Stratford dance orchestra.

WGBS, New York, N. Y. (315.6m-950kc), 3 p. m., Ben Goldman and his Boy Scout entertainers; 6:30, Vincent Sorey concert trio; 7:20, Gilbert hotel orchestra; 9, Barish string trio and Adele Vossari, soprano; 10:20, Lester O'Keefe, baritone; 10:30, Louis Brean, pianist, 10:45, Arrowhead inn dance orchestra.

WGCP, New York, N. Y. (252m-1190kc), 3 p. m., orchestra; 3:30, Andy and Paul Denneker; 3:45, studio program; 4:30, Southampton entertainers; 8:30, Strickland's orchestra; 9, Hilda Deighton, contralto; Gina Palmera, soprano; 9:30, Ukelele Bob McDonald; 10, June Lee, singing vagabond; 10:15, Yama Yama Boys. 10:30, Strickland's orchestra.

WGHB, Clearwater, Fla. (266m-1130kc), 6:30-7:30 p. m., dinner music, Fenway hotel; 8:30-9:30, Mrs. Carl Stephens and Ticket Holmes, vocalists, banjoists, 11:45-1 a. m., Radio Ramblers' midnight frolic.

WGR, Buffalo, N. Y. (319m-940kc), 2:30 p. m., WGR's afternoon program.

WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., dinner program; 8:15-12 midnight, international inter collegiate night.

WHAR, Atlantic City, N. J. (275m-1090kc), 2 p. m., Seaside hotel trio; 8, Seaside hotel trio.

WIP, Philadelphia, Pa. (508.2m-590kc), 1 p. m., organ recital; 3, Yarnell's orchestra; 6:05, Benjamin Franklin concert orchestra; 8, sports corner, Dr. Francois D'Eliscu; 8:15, talk, "National Farm School," Dr. Bernard Osterlenk; 10:05, El Patio dance orchestra; 11:05, organ recital, Germantown theater.

WJAR, Providence, R. I. (305.9m-980kc), 1:05 p. m., Zikes Bon Ton orchesera

WJAX, Jacksonville, Fla. (336.9m-890kc), 3:30 p. m., Hemming Park band concert, Vessella's band, Oreste Vessella, conductor; 7:30, music memory contest; 8-10, popular program.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Jean Goldkette's Petite symphony orchestra; soloists; 9, Jean Goldkette's Serenaders; 10, Goldkette's Victor Recording orchestra; 11:30, "Merry Old Chief," and Jewett Jesters.

WJZ, New York, N. Y. (454.3m-660kc), 1 p. m., Knickerbocker grill orchestra; 4:30, Hotel Lorraine grill orchestra; 7, Hotel Commodore concert orchestra; 8, Cosmo Hamilton; 8:15, Sadie Trensonthick, soprano; 10, Josephine Evans, concert quartet; 10:30, George Olsen's Hotel Pennsylvania orchestra.

WLIT, Philadelphia, Pa. (394.5m-760kc), 2 p. m., Rose Tree cafe dance orchestra; 4:30, Original Cotton Pickers dance orchestra; 7:30, Benjamin Franklin concert orchestra.

WMAK, Buffalo, N. Y. (266m-1130kc), 6:15-7:15 p. m., dinner music; 8-8:30, musical program; 8:30-9, program, Wolff's Furniture house; 9-9:30, Beaver Products program; 9:30-10:30, program, Sunrise Point Development company; 10:30-11, Toddy orchestra.

WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Olcott Vail and his Hotel McAlpin string ensemble; 6:30, Woodmansten inn orchestra; 7, Jack Denny's orchestra; 10:30, Norman Pearce, readings; 11, Ernie Golden and his Hotel McAlpin orchestra; 12 midnight, McAlpin entertainers.

WNYC, New York, N. Y. (526m-570kc), 3 p. m., program, Democratic club; 7, Hotel St. George Society orchestra; 7:35, Hotel St. George Society orchestra; 8, Swiss program, August Eckert; 9, banquet of the American Institution of Banking.

WOO, Philadelphia, Pa. (508.2m-590kc), 11 a. m., organ recital; 12:02 p. m., Crystal tea room orchestra, Robert E. Golden, director; 4:45, organ recital; 7:30, A. Candelori's dance orchestra.

WOR, New York, N. Y. (405.2m-740kc), 2:30 p. m., Clara Higgins, pianist; 2:45, N. K. Jerome, composer and tenor; 3, Clara Higgins, pianist; 3:15-4, Zit's Central Park Casino orchestra; 6:30-7:15, Jacquest Jacobs and Hotel Shelton ensemble; 7:30-7:45, Van's Collegians; 8, Manhattan male quartet; 9:15-9:45, La Forge's Bernmen Saturday evening; 10:45, Newark Evening News; 11-12 midnight, Hofbrau Haus orchestra.

WPG, Atlantic City, N. J. (299.8m-1000kc), 1:30 p. m., Hotel Morton luncheon music; 6:45, Arthur Scott Brook, organist; 7, Hotel Traymore dinner music; 8:15, program; 9, Hotel Ambassador orchestra; 10, Nick Nichols' orchestra; 11, Elks home orchestra.

WRC, Washington, D. C. (468.5m-640kc), 12 noon, organ recital; 1 p. m., Hamilton hotel orchestra; 7:30, Pan-American concert; 9, musical program; 10:30, Crandall's Saturday Nighters.

WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., dinner concert, Speed-Wagon serenaders; Gold Standard ensemble.

WTAM, Cleveland, Ohio (389.4m-770kc), 12:15-1:30 p. m., Austin Wylie's Vocalion Recording orchestra; 6-7, Guy Lombardo and his Royal Canadians; 8-9, Hotel Hollenden orchestra; 9-12 midnight, novelty program, Ev Jones and his gang; selected entertainers.

WTIC, Hartford, Conn. (475.9m-630kc), 6:30 p. m., Skinnay and his gang; 6:50, Hotel Bond trio; 8, Sunday school period; 8:30, Morris Krosnick, violinist, 9, Clements entertainers; 10-11:30, dance music.

Central Time Stations

CKY, Winnipeg, Can. (384.4m-780kc), 9 p. m., concert, Royal Alexandra hotel; 11, Eveready hour, popular music; Capitol theater orchestra.

KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., dinner concert; 8:30-9:30, Schmoller and Mueller sicale; 12-2 a. m., orchestra entertainment.

KFEQ, Oak, Nebr. (267.7m-1120kc), 4-6 p. m., tal 8:30-10, local talent.

KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., E watha and Hamlin, Kan.; 11, old-time fiddling.

KFRU, Columbia, Mo. (.99.7m-600kc), 4:30-5:30 p. Bella Vista quadrangle orchestra.

KLDS, Independence, Mo. (441m-680kc), 8 p. popular Scotch program; James Price, baritone reader; Peter Bernard, bag-pipe soloist; Marg Armstrong, soprano; Mrs. John Fraser, accompan

KMA, Shenandoah, Iowa (252m-1190kc), 11:30-12 p. m., noonday rural program; 9-11, pipe organ cital, William Howie.

KMMJ, Clay Center, Nebr. (229m-1310kc), 1:30 p. m., Old Trusty special program; 8:30, orchestra and entertainers.

KPRC, Houston, Texas (296.9m-1010kc), 12 noon, Harmonica club, Sherman school; 7:30, Bible class; 8, pipe organ recital, O. Mueller; 8:30, Frank Tilton, boy pianist; 11, Bay City entertainers.

KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., orchestral program and stage specialties, Grand Central theater; 8:30, St. Louis symphony orchestra.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9-9:30 p. m., concert, Eastman hotel orchestra; 9:35-9:45, Mrs. Byrd Rigsby, contralto; 9:45-10:30, New Arlington hotel dance orchestra.

KWWG, Brownsville, Texas (278m-1080kc), 12 noon, music; 6 p. m., music; the Sunshine Girl.

KYW, Chicago, Ill. (536m-560kc), 12:05 p. m., concert, 1, luncheon concert, Congress hotel; 4, Saturday frolic, 7:30, home-lovers' hour; 8:30, Congress classic; 11:30, Congress carnival.

WAMD, Minneapolis, Minn. (244m-1230kc), 12:01 p. m., musical program; 6:15, George Osborn's orchestra; 7:10, Harmony Twins; 11, Skyrocket frolic.

WBAP, Fort Worth, Texas (475.9m-630kc), 6-6:30 p. m., Chief Gonzales' Texas Hotel Royals; 7:30-8:30, Sunday school lesson; 9:30-11, Sunflower Girl.

WBBM, Chicago, Ill. (226m-1330kc), 8-9:30 p. m., orchestra; 9:30-11, Sandy and Harry; Moulin Rouge orchestra; William E. Anderson, steel guitar; Sy Berg, Fred Jacobson; 11-2 a. m., frolic.

WCAL, Northfield, Minn. (336.9m-890kc), 8:30 p. m., music, St. Olaf college.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 12:30 p. m., concert, Emmet Long's Golden Pheasant orchestra; 2:30, concert; 6:15 dinner concert Wesley Barlow's Nicollet hotel orchestra; 8:15, musical program; 10:05, dance program, Wesley Barlow's Nicollet hotel orchestra.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., Trianon ensemble; 11:45-1 a. m., frolic, President hotel.

WENR, Chicago, Ill. (266m-1130kc), 6-7 p. m., dinner concert, Rauland-Lyric trio; instrumental and vocal solos; 8-10, All-American Pioneers; Mid-West quartet; Rose Kutta, soprano; Ray Hibbler, popular songs.

WGES, Oak Park, Ill. (250m-1200kc), 8-9 p. m., baritone; basso; pipe organ; orchestra; organ; contralto; 11-1 a. m., organ; comedian; tenor; features.

WGN, Chicago, Ill. (302.8m-990kc), 11-11:30 a. m., morning organ concert, Chicago theater, Dean Fossler; 12:40-2:30 p. m., luncheon concert music; 2:30-3, Lyon and Healy artist recital; 3:25, Port o' Missing Men; 3:30-4:15, tea time music; 4:30-5, syncopation matinee, Edward Benedict, organist; 6:30-6:45, dinner concert music; 6:45-7, old-time favorite songs; 8-9, musical program; 9-9:30, Whitlall Anglo-Persian orchestra; 10:10-10:15, old-time favorite songs; 10:15-10:30, play shop.

WHAS, Louisville, Ky. (399.8m-750kc), 1-2 p. m., concert, Benson trio; 3-3:30, organ recital, Myrtle Zahn; 4-5, concert; 7:30-9, concert Barney Rapp's orchestra; Harrell Biard, tenor.

WIBO, Chicago, Ill. (226m-1330kc), 2-4 p. m., Ted Florito, pianist; Dan Russo, violinist; Marie Tully, soprano; Wayne Meyers, reader; Irene Beasley, soprano; 6-8, Robert Weisling; Ruth Ford; Lenore Friedman, soprano; Pearl Holtaman, pianist; Walter Barnitz, tenor; Marie Wright, soprano; Frances Schieb, soprano; S. Leonard, baritone.

WJAZ, Chicago, Ill. (322.4m-930kc), 9-2 a. m., continuous dance program from Opera club.

WJJD, Mooseheart, Ill. (370.2m-810kc), 12-1 p. m., Palmer House symphonic players; Palmer House trio, 2-3, Howard L. Peterson, organist; 4-5, Palmer House quintet; 5:30-7, dinner hour; 8-9, Palmer House Victorians; 10-11, Palmer House Victorians; 12-1 a. m., Palmer House Victorians; Jack Nelson.

WKAF, Milwaukee, Wis. (261m-1150kc), 10-11 p. m., Trixie Ann Troy's Royal Hawaiians; Hi Coleman's orchestra.

WKRC, Cincinnati, Ohio (422.3m-710kc), 10 p. m., Marion McKay and his orchestra; Jack Tilson, vocalist; 11, Eugene Perazzo, violinist; 11:15, Marion McKay; 11:45, request piano program.

WLIB, Chicago, Ill. (302.8m-990kc), 7:30-8 a. m., musical program; 11-1 a. m., dance music; Correll and Gosden, Freda Leonard and Jewell Barnett, songs.

WLS, Chicago, Ill. (344.6m-870kc), 12-12:25 p. m., Doris Wittich, pianist; 7, Ford and Glenn, lullaby time; 7:30, national barn dance. George Goforths Gold band; WLS barn dance trio; Ruth Etting; Ford and Glenn; 11, WLS twin wheeze, Ford and Glenn and Ralph Emerson.

WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., Johanna Grosse, organist; 7:40, Secretary Hawkins' Radio club; 8, Julius Zebelean, violinist; 8:15, Uncle Jake Rutz Pumpkin Vine orchestra; 8:30, Radario, Schuster Martin school; 9, Castle farm.

WMAQ, Chicago, Ill. (447.5m-670kc), 5:15 p. m., Topsy Turvy time; 6, Chicago theater organ; 6:30, Marquette Banjo club; 8, Daw and Pratt, men of 1,001 songs, 9, Balaban & Katz Chicago theater Radio revue.

WMBB, Chicago, Ill. (250m-1200kc), 7-8 p. m., Trianon duo, Vella Cook, contralto; David Boyd, whistler; Frank Bordner, baritone; 9-11, Trianon orchestra, Dell Lampe, director; Woodlawn theater orchestra, Walter Kipp; Ned Graham, baritone; Clinton Keithley, tenor; "Maggie Murphy's Home" presentation in popular program.

WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., opera, "Aida," Hugh Sandidge, director.

WOAW, Omaha, Nebr. (526m-570kc), 6 p. m., orchestra and soloists; 7, musical program; 9, "A Step On the Stairs," Radio Digest serial mystery play; 10:30 Nightingale orchestra; 11, Arthur Hays' organ jubilee.

WOC, Davenport, Iowa (483.6m-620kc), 5:45-6 p. m., chimes concert; 9-10, musical program, Carden Burnham, director; 11-12, orchestra program; LeClaire hotel orchestra; Peter MacArthur, baritone.

WOI, Ames, Iowa (270m-1110kc), 12:30 p. m., college chimes; 7:30, basketball, Washington vs. Ames.

WOK, Chicago, Ill. (217.3m-1380kc), 4:30-7 p. m., Capitol theater organ; Howard Will, tenor; 10-1 a. m., Tearney's Town club orchestra; Carl Lorraine's Pershing Palace orchestra; Husk O'Hare's Cocoanut Grove orchestra; Capitol theater program; program.

WORD, Batavia, Ill. (275m-1090kc), 7 p. m., Webster trio and program; 9, dramatic readings, Lenore M. Courtney.

WQJ, Chicago, Ill. (447.5m-670kc), 3-4 p. m., Koffee Klatsch; Rose Vanderbosch, soprano and pianist; Hal Lansing, uke soloist; 7-8, dinner concert, Ralph Williams and his Rainbo orchestra; Lavina Price, pianist; Kane McDuffee, whistler; Anne Keim, mezzo-soprano; 10-3 a. m., Ralph Williams and his Rainbo Skylarks; Carl Bertschinger, pianist; Lillian Schoessing, mezzo-soprano; Jerry Sullivan; Rose Vanderbosch, soprano and pianist; Hal Lansing, uke soloist; Everett George Opie, character reader; Merrill Carder, baritone; Ila Shanna-

"a Step On the Stairs"

Will Be Broadcast as a Play

ROBERT J. CASEY'S thrilling mystery story appearing exclusively in Radio Digest and dramatized as a Radio play by Fred Smith, pioneer in this field, will be broadcast from the following important and leading stations covering the United States from coast to coast and from Canada to Mexico.

The schedule, where known at the time of going to press, is given. Stations whose time of giving the play is yet unknown, will announce this feature over their microphones.

WHERE AND WHEN TO DIAL

WOC, Davenport, Palmer School of Chiropractic. First episode at 10:30 p. m., Central time, on Friday, February 26. Dial 483.6 meters or 620 kilocycles.

WOAW, Omaha, Woodmen of the World. First episode at 9 p. m., Central time, on Saturday, February 27. Dial 526 meters or 570 kilocycles.

KGO, Oakland, Calif., General Electric company. First episode at 9:45 p. m., Pacific time, on Saturday, February 27. Dial 361.2 meters or 830 kilocycles.

KOA, Denver, General Electric company. First episode at 9:30 p. m., Mountain time, on Monday, March 1. Dial 322.4 meters or 930 kilocycles.

WCCO, Minneapolis-St. Paul, Gold Medal station. First episode at 10:05 p. m., Central time, on Tuesday, March 2. Dial 416.4 meters or 720 kilocycles.

WGY, Schenectady, General Electric company. First and second episodes at 8:15 p. m., Eastern time, on Friday, March 5. Dial 379.5 meters or 790 kilocycles.

WMAQ, Chicago, Chicago Daily News. First and second episodes at 9 p. m., Central time, on Wednesday, March 10. Dial 447.5 meters or 670 kilocycles.

WNAC, Boston, Shepard Stores. Time of producing first episode to be announced over the air. Dial 280.2 meters or 1,070 kilocycles.

WRC, Washington, Radio Corporation of America. Time of producing first episode to be announced over the air. Dial 468.5 meters or 640 kilocycles.

WHO, Des Moines, Bankers Life Insurance company. Time of producing first episode to be announced over the air. Dial 526 meters or 570 kilocycles.

WSAI, Cincinnati, United States Playing Card company. Time of producing first installment to be announced over the air. Dial 325.9 meters or 920 kilocycles.

A New York station, now concluding arrangements for the presentation of the serial mystery play, will be announced next week.

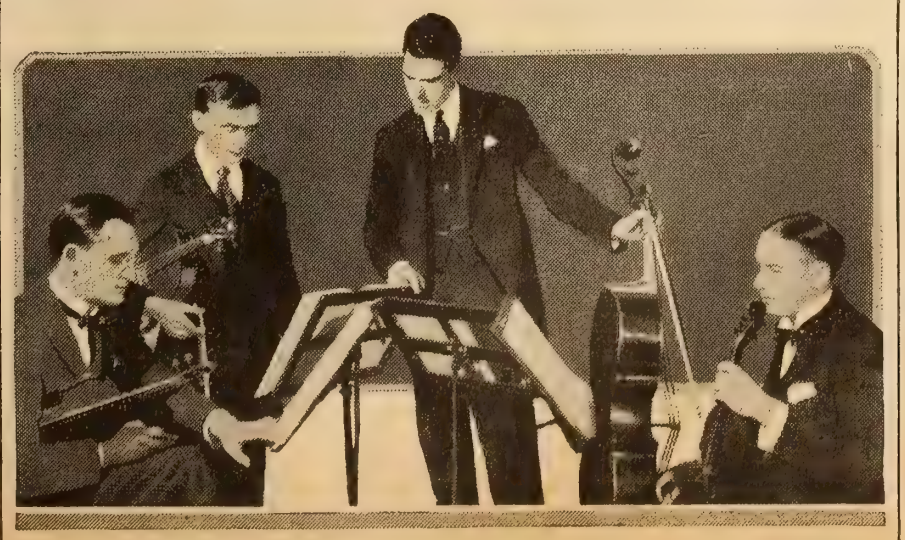
EPISODE ONE

THE SETTING

THE first episode takes place in the high-beamed hunt-room of the Turner homestead, a room that has been the scene of strange and mysterious crimes. The twelve guests, practically strangers to one another, who have just finished dinner, are sitting about the candle-lit table in the deep-cushioned leather chairs that the first Turner had brought with his bride from Spain a hundred years ago. Hari Singh, the Indian servant, has cleared the table. Mary Williams, pretty and curious, is asking questions of a man whom fate has thrown across her path for the second time.

THE CAST

Mary Williams.....A youthful guest
Henry Graves.....A mysterious man Mary had known formerly
Aunt Helen..... } Relatives
Cousin William..... }
Frederick Ardwyn.....Peleg Turner's lawyer
The Voice of the FYX announcer.....Through Radio receiver



The London String quartet composed of the four artists above, James Levy, 1st violinist; Thomas Petre, 2nd violinist; H. Waldo Warner, violaist; and C. Warwick Evans, cellist, will give the Atwater Kent program Sunday over the WEAF chain.

WEMC TO OPEN SUPERPOWER STATION

Saturday, February 27

brook, soprano; Will Rossiter, Romo Vincent; Johnny Poats, baritone; artists.

WRR, Dallas, Texas (246m-1220kc), 12-1 p. m., musical program. Helen Culpepper; Dr. Fred Freeland, pianist; John Thorwald, tenor; 6-7, dinner hour concert, Jack Gardner's orchestra.

WSAI, Cincinnati, Ohio (325.9m-920kc), 7:50 p. m., Radio chime concert. Robert Badgley; 8:15, Bicycle Playing Card sextet; 12 midnight, Freda Sanker's orchestra.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., Atlanta Atwater Kent hour; 10:45, Rogers Red Head club.

WSM, Nashville, Tenn. (282.8m-1060kc), 6:30 p. m., concert, Francis Craig's orchestra; 8, barn dance program and features.

WSMB, New Orleans, La. (319m-940kc), 9:30 p. m., Cotton Pickin' twins; Ray McNamara, pianist.

WSOE, Milwaukee, Wis. (246m-1220kc), 8:30 p. m., Sunday school lesson; 9, Lakefront studio program; Frank Hegji, violinist; Adolph Suppan, clarinetist; Carl Bauman, pianist.

Mountain Time Stations

KFWA, Ogden, Utah (261m-1150kc), 4-5 p. m., organ recital, Paramount theater; 5-6, Ogden Radio dealers program; 9-10:30, music, Paramount theater; 10:30-12, Ollie Reeves and his dance orchestra.

KFXF, Colorado Springs, Colo. (250m-1200kc), 8:30-11 p. m., musical program.

KOA, Denver, Colo. (322.4m-930kc), 12:15 p. m., Rialto theater organ recital Marjorie Nash; 9, dance program, Harmony Peerless orchestra; 10:30, dance program, Scheuerman's Colorado orchestra.

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 5:30-6 p. m., matinee; 6:15, KFI's seeing California; 6:30, vest pocket program; 7-8, Paul Roberts, pianist; Frank Barry, tenor; 8-9, All-American string quartet; 9-10, program, KFI, KPO; 10-11, Packard Radio club; 11-3 a. m., KFI midnight frolic, Don Meaney, master of ceremonies.

KFOA, Seattle, Wash., (454.3m-660kc), 9:30-11 p. m., Jackie Souders' club.

KFON, Long Beach, Calif. (232.4m-1290kc), 6-6:30 p. m., Brayton's theater organ; 8-9, Press-Telegram studio; 9-11, KFON artists frolic.

KFWB, Hollywood, Calif. (252m-1190kc), 8-9 p. m., Lyric string trio; Eunice Wynn, blues singer; Ray Kellogg and Bill Hatch, the jazz twins; Ashley sisters in vocal duets; 9-11, Oakland Six dance orchestra, Len Nash, leader.

KGW, Portland, Ore. (491.5m-610kc), 12:30-1:30 p. m., concert; 6-7, dinner concert; 9-12 midnight, dance music, Multnomah hotel; intermission piano solos, Curt Kremer.

KHJ, Los Angeles, Calif. (405.2m-740kc), 8-11 p. m., program, Motor Transit company with Uncle Remus.

KJR, Seattle, Wash. (384.4m-780kc), 8:30-10 p. m., program, I. C. Warner company.

KMTR, Hollywood, Calif. (238m-1260kc), 6-7 p. m., Starr Piano company studio; 8-10, KMTR concert orchestra.

KNX, Hollywood, Calif. (336.9m-890kc), 5:30 p. m., Leighton's Arcade cafeteria orchestra; 6:30-7, Atwater Kent orchestra; 7:30-8, feature program; 8-10, KNX studio program; 10-11, Cocoanut Grove dance orchestra, 11-2 a. m., Filmland frolic.

KPO, San Francisco, Calif. (428.3m-700kc), 1-2 p. m., Rudy Seiger's Fairmont hotel orchestra; 2:30-3:30, matinee program; 3:30-5:30, Cyrus Trobbe's Palace hotel concert orchestra; 6:35-7:30, States restaurant orchestra; 8-9, band music; 9-10, program, for Earle C. Anthony, Inc.; 10-12, Fairmont hotel dance orchestra; Maurice Gunsky, tenor; Merton Bories, pianist.

KGO, Oakland, Calif. (361m-830kc), 4-5:30 p. m., concert orchestra, Hotel St. Francis; 8:10, program, Salvation Army Western Territorial band; Ellen Clark pianist; Roy Gotney, Russian baritone; Jennings Pierce, tenor; 9:45, "A Step On the Stairs," Radio Digest serial mystery play; 10-12, Girvin-Deuel's California Collegians.

KPSN, Pasadena, Calif. (315.6m-950kc), 8-9 p. m., Star-News concert; Louise Klos trio, other artists, 9-10, dance orchestra, Maryland hotel.

KTAB, Oakland, Calif. (240m-1250kc), 12-1 p. m., luncheon concert.

Sunday, February 28

Headliners Today

Eastern	Central	Mountain	Pacific
5 p. m.	4 p. m.	3 p. m.	2 p. m.

KOA (322.4m-930kc) Music hour.
6:30 5:30 4:30 3:30

WBAL (246m-1220kc) Max Rosenstein, violinist.
8:15 7:15 6:15 5:15

WEMC (285.5m-1050kc) Opening of superpower station.
9:15 8:15 7:15 6:15

WEAF (491.5m-610kc), WEEI, WCAP, WFI, WJAR, WGR, WCAE, WSAI, WWJ, WOC, WCCO, WGN, WEAR, KSD, WTAG, Atwater Kent program.
10 9 8 7

KTHS (374.8m-800kc) Classic hour.
10:30 9:30 8:30 7:30

KPRC (296.9m-1010kc) Minstrel chorus.

Sunday, silent night for: CFAC, CHIC, CKNC, CNRA, CNRC, CNRE, CNRM, CNRO, CNRR, CNRT, CNRV, CNRW, KFAB, KFAU, KFKX, KFKU, KFOA, KFVE, KFWA, KFXF, KLX, KMA, KMTR, KOAC, KOB, KOWW, KSAC, KSO, KUOA, KWSC, PWX, WABQ, WAHG, WCAD, WDAF, WEAO, WEBJ, WEBW, WFI, WGES, WGHB, WGHP, WGST, WHAD, WHAS, WHAZ, WJAZ, WJJD, WJR, WKAF, WKAQ, WKAR, WMAQ, WMAZ, WMC, WNYC, WOI, WRC, WRVA, WSB, WTAM, WTIC.

Eastern Time Stations

CFCA, Toronto, Can. (356.9m-840kc), 11 a. m., St Paul's Anglican church; 7, Timothy Eaton Memorial church.

CHIC, Toronto, Can. (356.9m-840kc), 5 p. m., organ recital, George H. Graham.

CKCL, Toronto, Can., (357m-840kc), 3-4 p. m., St John's Presbyterian church choir; 4-4:35, Memorial Central Y. M. C. A.

KDKA, Pittsburgh, Pa. (309.1m-970kc), 11 a. m., church service; 4 p. m., Dr. Charles Heinroth, organist.

WBAL, Baltimore, Md. (246m-1220kc), 6:30-7:30 p. m., twilight program; WBAL concert orchestra; Max Rosenstein, violinist.

WBBR, New York, N. Y. (273m-1100kc), 2 p. m., Watchtower orchestra; 2:20, Fred Twaroschk, tenor 2:45, Fred Twaroschk; 3:30, Fred Twaroschk; 3:40, Watchtower orchestra; 9, Watchtower string quartet. 10, Watchtower string quartet.

WBZ, Springfield, Mass. (333.1m-900kc), 10:45 a. m., Community church; 6 p. m., Ary Dulfer, violinist; Alexander Blackman, violaist; George Brown, cellist; Hans Ebell, pianist; 7, Copley Plaza orchestra; 8, program, Holy Cross college.

WCAP, Washington, D. C. (468.5m-640kc), 11 a. m., First Church of Christ, Scientist; 4 p. m., Bethlehem chapel.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 5 p. m., recital; 5:55, undenominational church services, Rev. John W. Stockwell, pastor; 5:55, recital; 6:45, Clarence Seaman and his Hotel Pennsylvania concert orchestra; 7:55, Cathay Tea Garden concert orchestra; 8:30, Bonwit-Teller Light Opera company; 9, Potash and Perlmutter.

WCX, Detroit, Mich. (516.9m-580kc), 7:15 p. m., services, Central Methodist Episcopal church, Guy Filkins, organist.

WEAF, New York, N. Y. (491.5m-610kc), 2-3 p. m., Greater New York Federation of Churches; 3-4, Young People's conference; 4-5:30, men's conference in Bedford Branch Y. M. C. A., WEAF, WEEI, WTAG, WCAE, WSAI; 6, George Barrere's little symphony orchestra; 7, moment musicale; 7:20-9:15, musical program, Major Edward Bowes and "Capitol Family" to WEAF, WEEI, WCAP, WJAR, WTAG, WWJ, WCAE; 9:15-10:15, Atwater Kent Radio hour to WEAF, WEEI, WCAP, WJAR, WGR, WCAE, WSAI, WWJ, WOC, WCCO, WEAR, KSD, WTAG, WFI, WGN; 10:15, "The Arctic from the Air," Donald B. MacMillan.

WEAR, Cleveland, Ohio (389.4m-770kc), 3:30 p. m., Goodyear concert orchestra afternoon musicale; 7, Loew's theater orchestra; 7:45, fireside hour; 8:30, Vincent Percy, organist.

WEEI, Boston, Mass. (348.6m-860kc), 2 p. m., Golden Rule hour of music; 3, Chamber of Commerce organ recital; 7:20, Major Edward Bowes and his Capitol family; 9:15, Atwater Kent artists; London string quartet.

WEMC, Berrien Springs, Mich., (285.5m-1050kc), 8:15 p. m., Martha Hutchinson, soprano; Mrs. Lela Beuchel, contralto; Maitland Alfred, tenor; T. H. Madison, violinist.

WFI, Philadelphia, Pa. (394.5m-760kc), 6 p. m., George Barrere and his little symphony orchestra; 7, moment musicale; 7:30, Arch St. Presbyterian church.

WGBS, New York, N. Y. (315.6m-950kc), 3 p. m., Crystal Palace orchestra; 3:30, Arrowhead inn tea dance orchestra; 9:30, Shackley trio.

WGCP, New York, N. Y. (252m-1190kc), 3 p. m., Wm. Voelk's Oriole serenaders; 3:30, Milton Yokeman, tenor; 3:45, Kanter, Cohen, Moore, ukulele, guitar, banjo; 4, Sylvia Miller, soprano; 4:15, orchestra.

WGR, Buffalo, N. Y. (319m-940kc), 10:45 a. m., Westminster Presbyterian church; 7:45 p. m., Central Presbyterian church; 9:15, jointly with WEAF, Atwater Kent program.

WGY, Schenectady, N. Y. (379.5m-790kc), 11 a. m., Union Presbyterian church; 12:30 p. m., Symphony society concert; 3, musical program; 5, Dr. Frank Sill Rogers, organist, assisted by T. Roy Keefer, violinist; 7:30, Union Presbyterian church; 9, program, WJZ; 10, Godfrey Ludlow, violinist.

WHAR, Atlantic City, N. J. (275m-1090kc), 10:45 a. m., morning services, Chelsea Baptist church; 2:15 p. m., sacred recital, Seaside hotel trio; 2:45, sermon; 7:50, Chelsea Baptist church; 9, "With the Classics."

WIP, Philadelphia, Pa. (508.2m-590kc), 4 p. m., "The Blight of Bigotry," talk by Arthur Walwyn Evans; 7:15, services, Holy Trinity church; 9:30, Ben Stad and his WIP Little Symphony orchestra.

WJAX, Jacksonville, Fla. (336.9m-890kc), 11 a. m., and 7:30 p. m., church services.

WJZ, New York, N. Y., (454.3m-660kc), 12:30 p. m., Sunday symphonic society; 2:30, Radio forum; 4:55, St. George's Vesper service; 7, Hotel Pennsylvania orchestra; 8, Bakelite hour; 9, orchestral concert; 10, Godfrey Ludlow, violinist.

A charming hostess is Anne Louise Lawless, left, who receives the visitors and guests of Station WBZ, Springfield. The three bonny gentlemen below are called the Sunny South trio, and are from left to right, Bill Eastwood, banjoist; Milton Marcour, pianist; Oscar Marcour, violinist. They play during the dinner hour on Mondays, Fridays, Saturdays at WSMB.

WLIT, Philadelphia, Pa. (394.5m-760kc), 2 p. m., Arcadia cafe concert orchestra; 7, Benjamin Franklin hotel organ recital; 7:30, Benjamin Franklin concert orchestra.

WLWL, New York, N. Y. (288.3m-1040kc), 8 p. m., Paulist Choristers, sermon, Rev. J. H. Sullivan.

WMAK, Buffalo, N. Y. (266m-1130kc), 10:25 a. m., services, First Presbyterian church; 7:30 p. m., service, Churchill Tabernacle.

WMCA, New York, N. Y. (340.7m-880kc), 11 a. m., Fifth Church of Christ, Scientist; 3 p. m., Minot Simons, D. D., "What to Think in Religion," All Souls church, Unitarian; 3:30, Donald Flamm's frolickers; 5:30, Woodmansten Inn orchestra; 6, Roemers Homers; 7, Ernie Golden and his Hotel McAlpin orchestra; 7:30, Olcott Vail and his Hotel McAlpin string ensemble; 8:45, Mayolians; 11, Jack Denny's orchestra.

WOO, Philadelphia, Pa. (508.2m-590kc), 10:30 a. m., services, Bethany Presbyterian church; 2:15 p. m., services, Bethany Sunday school; 6, organ recital, Clarence K. Bawden.

WPG, Atlantic City, N. J. (299.8m-1000kc), 3:15 p. m., Arthur Scott Brook, organist; 4:15, vocal and instrumental recital; 9:15, Hotel Traymore orchestra; 10, Arthur Scott Brook, organist.

WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., dinner concert; Speed-Wagon serenaders; Gold Standard ensemble; 10, dance program, Speed-Wagon serenaders.

WTAG, Worcester, Mass. (268m-1120kc), 4-5:30 p. m., music, Gloria Trumpeters; Mr. and Mrs. Howard Kimsey, baritone and accompanist; 7:20-9:15, musical program, Major Edward Bowes and the Capitol family; 9:15-10:15, Atwater Kent Radio hour; London string quartet.

WTIC, Hartford, Conn. (475.9m-630kc), 3 p. m., concert, Hartford Symphony; 5, organ recital.

Central Time Stations

CKY, Winnipeg, Can. (384.4m-780kc), 7 p. m., St. Stephen's United church; 9, program.

KFAB, Lincoln, Nebr. (340.7m-880kc), 4-5 p. m., vesper service; 9-10, Sunday evening musical.

KFDM, Beaumont, Texas (315.6m-950kc), 11 a. m., service; 7:30 p. m., First Presbyterian church.

KFMX, Northfield, Minn. (336.9m-890kc), 7-8 p. m., college vesper service.

KFNF, Shenandoah, Iowa (263m-1140kc), 10:45 a. m., First M. E. church; 2:30 p. m., Golden Rule song service; 3, Swedish Mission church; 6:30, Golden Rule circle; 7, Christian church service.

KFRU, Columbia, Mo. (499.7m-600kc), 7:30 a. m., sunrise service; 9:20, Bible class; 7:30, evening student service.

KLDS, Independence, Mo. (441m-680kc), 11 a. m., Stone church services; Robert Miller, organist; Stone church choir; Mrs. Arthur Riddolls, soprano; 3 p. m., sacred program; 6:30, vesper service; KLDS quartet; Mary Fields, soprano; Mrs. Mary Curtis, soprano; Mrs. Frank Goode, contralto; Gladys Goode, contralto; Irwin Moorman, cornetist; Wingfield Lewis, baritone; sermonet, 9:15, Pauline Becker Etzenhauser, organist; Lillian Green, violinist; Herbert Fraher, baritone; Margaret Gard, contralto.

KMA, Shenandoah, Iowa (252m-1190kc), 12:15-1:15 p. m., sacred song service, Mrs. May; 4-5, church choir music; 5-6, Bible study, G. H. Van Houten.

KMMJ, Clay Center, Nebr. (229m-1310kc), 2:30 p. m., sacred program; 8:30, religious service.

KPRC, Houston, Texas (296.9m-1010kc), 9:50 a. m. services Trinity Lutheran church; 8 p. m. Trinity Luthean church services; 9:30 Prairie View State Normal chorus, colored.

KSD, St. Louis, Mo. (545.1m-550kc), 6:15 p. m., St. Louis Post-Dispatch concert orchestra.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 11-12 noon, services, Central Avenue Methodist church; Arthur Platz, organist; 9-9:30, classic hour, Eastman hotel orchestra; 9:30-10, Toni Cochard and Clyde Foley, popular songsters; New Arlington hotel grand ensemble, Lon Chassy, director; 10-11:30, Arkansas Traveler Limited special train frolic, Benny Ford and his DeSoto orchestra.

KYW, Chicago, Ill. (536m-560kc), 11 a. m., Central church; 2:30 p. m., studio chapel service; 4:30, studio concert; 7, Chicago Sunday evening club; 9:30, classical concert.

WAMD, Minneapolis, Minn. (244m-1230kc), 6:15 p. m., George Osborn's orchestra; 6:45, WAMD players; 9:30, Gayle Wood.

WBAP, Fort Worth, Texas (475.9m-630kc), 11 a. m., First Presbyterian church; 12:30 p. m., kiddies' hour; 5-6, Morrow's Family quartet; 9:30-11, Chief Gonzales' Texas Hotel Royals.

WBBM, Chicago, Ill. (226m-1330 kc), 12:30-2 p. m., classical program; 4-6, afternoon concert; 8-10, Maurice Silverman; Moulin Rouge orchestra; Vivian Sheffer, contralto; Pauline Stiffler Atlass, violinist; Rudy Winter; Floyd Falch; 12-2 a. m., Nutty club; Moulin Rouge orchestra.

WCAL, Northfield, Minn. (336.9m-890kc), 8:30 a. m., Norwegian church; 9:15 p. m., St. John's Lutheran church.

WCBD, Zion, Ill. (344.6m-870kc), 8 p. m., semi-chorus and Hire trio; Arthur Rendall, clarinetist; Richard F. Hire, violinist; Klowann and Studebaker, clarinetists; E. B. Paxton, baritone; Mr. and Mrs. Sparrow, duets; Miss Reynolds and Miss Carey, duets; Mrs. Thomas and Mr. Barton, duets; Eula Myhre, pianist, Mrs. Edna Paxton, reader.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 10:50 a. m., Hennepin Avenue M. E. church; 3 p. m., Bible study, Lutheran Bible institute; 4:10, House of Hope Presbyterian church; 6:20, Second Church of Christ, Scientist.

WDAF, Kansas City, Mo. (365.6m-820kc), 3-4 p. m., Ottawa, Kan.; 4-4:45, vespers, Our Redeemer Lutheran.

WEBH, Chicago, Ill. (370.2m-810kc), 10:40-12 noon, Seventh Church of Christ Scientist; 5-6 p. m., Oriole orchestra; Dr. Alexandra Schur, baritone-bass; 7:15, orchestra; 8:15, news, Oriole orchestra; William Young, pianist; Sidney Ellstrom.

WENR, Chicago, Ill. (266m-1130kc), 6-7 p. m., dinner concert, Rauland-Lyric trio; Russell Hendrickson, cellist; Frank Westphal, pianist; vocal; 8-10, All-American Pioneers; Archie Rawls, tenor; J. E. Peterson, basso; Dorothy Cutler, pianist; Art Bilquist, singer; Claire Gorska-Geis, soprano; 12-2 a. m., midnight frolics; Frank Westphal and his All-American Pioneers; banjo and saxophone numbers; vocal.

WGES, Oak Park, Ill. (250m-1200kc), 10:15-12 noon, Austin M. E. church; organ; choir; 5-7:40, Moody Bible school program; pipe organ; 11-12, organ, mezzo-soprano; tenor.

WGN, Chicago, Ill. (302.8m-990kc), 11:45-12:45 p. m., Sunday noon musical hour, Chicago theater; 12:45-1:45, Chicago theater complete performance; 2-3, Edwin Stanley Seder's organ concert; 3-4, concert, Chicago Philharmonic orchestra; 4-5, musical program; 5-5:15, old-time favorite songs; 7-7:30, musical program; 7:30-7:45, old-time favorite songs; 7:45-8:15, musical program; 9:15-10, musical program.

WHAS, Louisville, Ky. (399.8m-750kc). 10 a. m., services, St. Boniface church; choir, Mrs. A. Molengraft, organist; 4:30-5:30 p. m., evensong choral service, Christ church cathedral; Ernest Simon, organist.

WHB, Kansas City, Mo. (365.6m-820kc), 9:40 a. m., Linwood Boulevard Christian church; 11:15-12:30, Independence Boulevard Christian church; 8-9:15, Fourth Church of Christ, Scientist; 11:15-1. Linwood theater Radio features.

WHO, Des Moines, Iowa (526m-570kc), 11 a. m., St. Paul's Episcopal church; 7:30-8:15 p. m., Bankers' Life trio; 11-12, Bankers' Life Little symphonic orchestra.

WIBO, Chicago, Ill. (266m-1330kc), 2-4 p. m., Mr. Bute and quartet; Chester Newman, baritone; Bernice Taylor, soprano; Charlotte Edwards, contralto; 6-8, Helen Snyder, soprano; Earl Rigelow, pianist; Henry Corbin, baritone; Fred Noble, cornetist; Laura Remer, contralto; 6, string trio; 10-12, Elsie Orr, soprano; Walter Preston, tenor; Eugene Wallenius, baritone; Marie Tully, soprano; Irene Beasley, soprano; string trio.

WJAZ, Chicago, Ill. (322.4m-930kc), 7-9 p. m., special musical program, Spanish Garden studio.

WJJD, Mooseheart, Ill. (370.2m-810kc), 7:45 a. m., Catholic services; 9:40-10:30, Protestant services; 3-4 p. m., Mooseheart Sunday concert.

WKAF, Milwaukee, Wis. (261m-1150kc), 4-6 p. m., Jean Hammond's Tune Tinkers; Viola Sontag, pianist.

WKRC, Cincinnati, Ohio (422.3m-710kc), 6:45 p. m., Walnut Hills Christian church; 10, classical program; vocal and instrumental numbers; 11, dance program, Marion McKay and his orchestra.

WLIB, Chicago, Ill. (302.8m-990kc), 5-7 p. m., musical program.

WLS, Chicago, Ill., (344.6m-870kc), 6 p. m., prelude; 7-7:55, WLS little brown church in the vale; little brown church choir; Ralph Emerson, organist.

WLW, Cincinnati, Ohio (422.3m-710kc), 11 a. m., morning worship, Seventh Presbyterian church, Jesse Halsey, minister; 4 p. m., Phillippus Evangelical church; 7:30, First Presbyterian church; 8:30, concert, H. & S. Pogue company orchestra.

WMBB, Chicago, Ill. (250m-1200kc), 3-5 p. m., Trianon orchestra, Dell Lampe, director; Woodlawn theater orchestra, Walter Kipp; Lucile O'Hara, soprano, Tommie Hughes, baritone; Bob Duffy, Ray Miller, Nina Smiley, mezzo-soprano, popular concert program, 7:40-9, Fifth Church of Christ, Scientist; 9-11, Trianon orchestra, Dell Lampe, director; Woodlawn theater orchestra, Walter Kipp; Maxwell Treharne, tenor; Billie Allen Hoff; Ned and Ted; Harmony duo; popular program.

WMC, Memphis, Tenn. (499.7m-600kc), 11 a. m., First Methodist church.

WNAD, Norman, Okla. (254m-1180kc), 9:30 p. m., Ernest Sharp, vocalist; Helen Rubi.., violinist.

Atwater Kent Program, February 28, over WEAF and Chain*

London String Quartet—James Levey, 1st violin; Thomas Petre, 2nd violin; H. Waldo Warner, viola; C. Warwick Evans, cello.

I.

Two movements from American Quartet in F..... .Dvorak
(a) Lento
(b) Finale

II.

An Irish Melody.....Bridge
(Londonderry Air)

III.

Andante from Quartet in A, Opus 18, No. 5.....Beethoven

IV.

Nocturne .....Borodine

V.

(a) A Cherry Ripe.....Bridge

(b) Variations from Emperor Quartet.....Haydn

*The WEAF chain for the Atwater Kent hour (9:15 p. m. Eastern, 8:15 p. m. Central time) includes WEAF, WFI, WGR, WCAE, WCAP, WJAR, WTAG, WGN, KSD, WCCO, WOC, WSAI, WEAR, WEEI, WWJ.

COAST ARTILLERY BAND AT WCOA

Sunday, February 28

WOAI, San Antonio, Texas (394.5m-760kc), 11 a. m., First Presbyterian church; 7:30 p. m., Central Christian church; 9:30, Super-Heterodyne music.

WOAW, Omaha, Nebr. (526m-570kc), 9 a. m., Gospel tabernacle; 1:30 p. m., matinee program; 6, Bible study; 9, chapel service.

WOC, Davenport, Iowa (483.6m-620kc), 1-2 p. m., orchestra concert; Paul J. Vipperman, tenor; 6-7, Gordon Memorial Lutheran church; 9:45-11:45, musical program, the Palmer Little Symphony.

WOI, Ames, Iowa (270m-1110kc), 10:45 a. m., college chimes; 11, chapel services.

WOK, Chicago, Ill. (217.3m-1380kc), 1-2 a. m., Tearney's Town club orchestra; Carl Lorraine's Pershing Palace orchestra; Husk O'Hare's Cocoanut Grove orchestra; program; 6-1, Tearney's Town club orchestra; Carl Lorraine's Pershing Palace orchestra; Husk O'Hare's Cocoanut Grove orchestra; Capitol theater complete musical program; program.

WORD, Batavia, Ill. (275m-1090kc), 2:30 p. m., program, Chicago Rapid Transit company; 7, Webster hotel trio; I. B. S. A. choral singers; 9, Webster trio; I. B. S. A. choral singers.

WOS, Jefferson City, Mo. (440.9m-680kc), 9:30 a. m., Christian church; 5 p. m., vesper services; 7:30, First Baptist church.

WQJ, Chicago, Ill. (447.5m-670kc), 9:30-11 a. m., sermon, People's church, Dr. Preston Bradley; 100-voice choir; Clarence Eddy, organist; 3-4 p. m., program, Irving Park Lutheran church choir; 8-10, Ralph Williams and his Rainbo Gardens orchestra; Fontella trio; Everett Mitchell, baritone; Marvyl Larson, soprano; Madeline Ruff, pianist; Prof. Ascan W. Kittner, baritone; Lorena Anderson, soprano.

WSAI, Cincinnati, Ohio (325.9m-920kc), 7:45 p. m., Radio chime conert; 8, sermonet, Avondale Methodist church; 9:15, Union Central Life Insurance company orchestra.

WSB, Atlanta, Ga. (428.3m-700kc), 7:30 p. m., First Methodist church.

WSM, Nashville, Tenn. (282.8m-1060kc), 7:30 p. m., First Presbyterian church.

WSUI, Iowa City, Iowa (483.6m-620kc), 9:15 p. m., Garrison quartet.

Mountain Time Stations

CFAC, Calgary, Can. (434.5m-690kc), 11 a. m., First Church of Christ Scientist.

KFXF, Colorado Springs, Colo. (250m-1200kc), 11-1 p. m., First Presbyterian church; 7:30-9, First Methodist church.

KOA, Denver, Colo. (322.4m-930kc), 11 a. m., services, Sarren Memorial Methodist Episcopal church; 3 p. m., music hour, Warren Memorial Methodist Episcopal church, Hazel Allen, organist; 7:45, services, Warren Methodist Episcopal church.

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-7:30 p. m,., program, A. H. Grebe & company Synchrophase string ensemble; 7:30-8, Louise Klos string trio; 8-9, Dan L. McFarland, organist; 9-10, Mabelle Hein's Blue Bird band; 10-11, Packard Six dance orchestra.

KFON, Long Beach, Calif. (232.4m-1290kc), 6-6:30 p. m., Brayton's theater organ; 7:45-9, service, First Church of Christ, Scientist.

KFWB, Hollywood, Calif. (252m-1190kc), 9-11 p. m., Warner Brothers Sunday night movie frolic with Jack Smith's dance orchestra; Babe Brown, ukulele; Esther White, blues singer; Starke Sisters, vocal duets, and others.

KGO, Oakland, Calif. (361m-830kc), 11 a. m., Trinity Episcopal church; 3:30, concert, Little symphony orchestra; 7:45, musical service, Trinity Episcopal church.

KGW, Portland, Ore. (491.5m-610kc), 10:25 a. m., St. Stephens Pro-Cathedral; 6, familiar melodies; 7:30-9, East Side Baptist church; 9-10, Chevrolet Symphony orchestra.

KHJ, Los Angeles, Calif. (405.2m-740kc), 4-5 p. m., Masonic service; 7-7:30, First M. E. church, Arthur Blakely, organist; 8-10, program, Martin Music company; John Martin, pianist; Ruth Pitts, soprano.

KJR, Seattle, Wash. (384.4m-780kc), 11-12:30 p. m., First M. E. church; 5-6, Spargur string quartet; 7:15-7:30, organ recital, Mrs. Montgomery Lynch; 7:30-9, First M. E. church; 9-10:30, Puget Sound Savings and Loan association orchestra.

KNX, Hollywood, Calif. (336.9m-890kc), 2-4 p. m., City Park Board program; 6:30-7, Unitarian church service; 8-9, First Presbyterian church of Hollywood; 9-10:30, Sunday night classical concert.

KPO, San Francisco, Calif. (428.3m-700kc), 9:45-10:45 a. m., undenominational and non-sectarian church service; Uda Waldrop, organist; 5-6 p. m., Marshall W. Giselmann, organist; 6-6:30, Waldemar Lind and the States restaurant orchestra; 6:35-8:35, Palace hotel concert orchestra; 8:35-10, Rudy Seiger's Fairmont hotel orchestra.

KPSN, Pasadena, Calif. (315.6m-950kc), morning and evening church services; 8:45-9:45 p. m., Maryland's artists ensemble.

KQP, Portland, Ore. (319m-940kc), 7:50-9 p. m., First Church of Christ, Scientist; 9-10, program.

KTAB, Oakland, Calif. (240m-1250kc), 9:45-10:05 a. m., Bible lecture, Prof. E. G. Linsley; 11, services; 7:45 p. m., service; 9:30-11, concert.

Monday, March 1

Headliners Today

Eastern	Central	Mountain	Pacific
7:30 p. m.	6:30 p. m.	5:30 p. m.	4:30 p. m.

WCOA (222m-1350kc) Thirteenth Artillery band.
WFAA (475.9m-630kc) Municipal band.
9 8 7 6
WSB (428.3m-700kc) Scotch ballads.
WSM (282.8m-1060kc) Wednesday Music club.
9:45 8:45 7:45 6:45
WMC (499.7m-600kc) Cortese ensemble.
10 9 8 7
KSD (545.1m-550kc) Piano recital.
WEAF (491.5m-610kc) "La Traviata," opera.
WPG (299.8m-1000kc) Ethel Dobson, soprano.
10:30 9:30 8:30 7:30
WGR (319m-940kc) Dulcimer recital.
11 10 9 8
WSAI (325.9m-920kc) Community program.

Monday silent night for: CNRA, CNRC, CNRE, CNRM, CNRO, CNRR, CNRT, CNRV, CNRW, KFAU, KFDM, KFEQ, KFMX, KFWA, KHJ, KLDS, KUOA, KYW, WBBM, WBCN, WCAD, WCBD, WEAO, WEBH, WEBJ, WEBW, WENR, WGBS, WGES, WGN, WHAS, WHT, WIBO, WIP, WJAZ, WJJD, WKAQ, WLIB, WLS, WMAQ, WMBB, WOAI, WOC, WOK, WORD, WQJ, WRC, WREO.

Eastern Time Stations

CKNC, Toronto, Can. (356.9m-840kc), 8-10 p. m., Little symphony orchestra; Verdi quartet: Madeline Bell, soprano; Ella McQuillan, contralto; Lawrence De Foe, tenor; Edgar Smith, bass.

KDKA, Pittsburgh, Pa. (309.1m-970kc), 6:30 p. m., dinner concert; 8:15, program; 9, Rudd Light Opera hour.

WABQ, Haverford, Pa. (260.7m-1150kc), 11 p. m., Ardmore theater.

WBAL, Baltimore, Md. (246m-1220kc), 6:30-7:30 p. m., dinner program, WBAL dinner orchestra; 7:30-8, Frederick D. Weaver, organist; 8-9, Josephine Beasley, pianist; A. Douglas McComas, tenor; 9:10-10, Edith Gwinn, soprano; Neenah Woods, contralto; Arthur Morgan, violinist.

WBBR, New York, N. Y. (273m-1100kc), 8 p. m., Irene Kleinpeter, soprano; 8:20, George Twaroschk, violinist, 8:40, Irene Kleinpeter; 8:50, George Twaroschk.

WBZ, Springfield, Mass. (333.1m-900kc), 6:30 p. m., Hotel Kimball orchestra; 7:30, Rene Dagenais, organist; 8, Capitol theater orchestra; 8:30, Bay State quartet; 9, Aleppo Drum Corps; 9:30, WBZ Movie club.

WCAP, Washington, D. C. (468.5m-640kc), 7-11 p. m., musical program.

WCAU, Philadelphia, Pa., (277.6m-1080kc), 7:30, recital, N. Snellenburg and Co.; 8, Carolyn Thomas, soprano; 8:30, Ruppert and McCullough, banjoists; 9 Malis Merry Minstrels; 9:30, Carl Smith's Monday Nighters; 10, Arlene R. Smith, soprano; Kathryn Figthorne, contralto; 10:30, Parodians' dance orchestra.

WCOA, Pensacola, Fla., (222m-1350kc), 7:30 p. m., 13th Coast Artillery band; Miss Willie Ida Thomason, violinist; John D. Thomas, violinist; John D. Thomas, pianist; Harry Davis, tenor; Rainbow orchestra.

WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., dinner program, Goldkette ensemble; 8-9, studio program.

WDBO, Winter Park, Fla. (239.9m-1250kc), 9:30-11 p. m., St. Cloud band.

WEAF, New York, N. Y., (491.5m-610kc), 11:05 a. m., Ethel Littwin, pianist; 2:30 p. m., Government club meeting; 4:30, Louis Lawrence trio; 5, Vincent Lopez and orchestra from Tea room of Ritz-Carlton hotel; 6, dinner music, Rose room of Hotel Waldorf-Astoria, 7:20, Louis Caton, tenor; 8, Pop concert to WEAF, WOO; 8:45, Tower health talk to WEAF, WEEI, WCAP; 9, A and P Gypsies to WEAF, WEEI, WCAP, WWJ, WJAR, WOO; 10, La Traviata, WEAF grand opera company to WEAF, WOO, WCAP, WJAR, WTAG, WCAE; 11-12, Ben Bernie and orchestra.

America's most famous harpist, Nellie Zimmer and her famous harp trio below, have been charming the audience of KTHS, Hot Springs National Park. Miss Zimmer is shown standing. To the right is Fawn Post Trowbridge, soprano, a regular feature at KGO, Oakland.

WEAR, Cleveland, Ohio (389.4m-770kc), 7 p. m., Allen theater orchestra.

WEEI, Boston, Mass. (348.6m-860kc), 5 p. m., Rainbow Ramblers; 6:30, Joe Rines and his Hunters' Cabin orchestra; 8:15, Black Iron Shiners; 10, Scotty Holmes and his orchestra.

WEMC, Berrien Springs, Mich., (285.5m-1050kc), 8:15 p. m., Lighthouse orchestra; Charles Garber, saxophonist; Jeanette Richardson, soprano; Dr. Birt Summers, pianist; Thomas Johnson, baritone; Prof. H. L. Pearson, reader.

WFI, Philadelphia, Pa., (394.5m-760kc), 1 p. m., Tea Room ensemble; 3, Hazel Loughlin, pianist; Rebea Chaiken, soprano; 6:30, Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra.

WGBS, New York, N. Y. (315.6m-950kc), 1:35 p. m., Mary Frances Baker, soprano; 1:45, Gilbert Holland, baritone; 2:30, string trio; 3:15, Florence Blum, dramatic soprano; 3:20, Helen Varick Boswell, George, Jr., program.

WGCP, New York, N. Y., (252m-1190kc), 3 p. m., Irving Firstenberg, organist; 3:30, Le Roy Montesanto, tenor; 3:45, Lucille Hegamin, contralto; 4:15, Uncle Robert's Pals; 5:10, Pollack and Dorn, songs; 8:30, studio program; 9:15, studio program; 9:40, Bob Ward and three little Wards; 10, Strickland's orchestra.

WGHB, Clearwater, Fla. (266m-1130kc), 6:30-7:30 p. m., Florence Arlin, soprano; 8:30-9:30, Helen M. Bishop, soprano; 11:45-1, Radio Ramblers.

WGHP, Detroit, Mich. (270m-1110kc), 6-7 p. m., dinner concert, Hotel Tuller; 7:30-7:50, children's evening chat; 8-10, Little symphony orchestra, Dirk Van Emmerik, conductor; T. Stanley Perry, tenor; 12-1 a. m., Gerald Marks and his orchestra.

WGR, Buffalo, N. Y. (319m-940kc), 2:30 p. m., WGR's afternoon program; 6:30, Clef Dwellers orchestra; 8, Jack Bishop in a popular program; 8:30, Knell's Tokio dance orchestra; 9, program, Wheat's division, General Ice Cream company; 10, Fred Phelps in a popular program; 10:30, dulcimer recital, George Marshall, 11, Vincent Lopez' Hotel Statler dance orchestra, John F. Gunderman, Jr., organist.

WGY, Schenectady, N. Y. (379.5m-790kc), 2 p. m., Asia restaurant orchestra; 2:30, music; 6:30, dinner program, Porter E. Potts' Hotel Van Curler orchestra; 7:45, Stuart Swart, pianist.

WHAR, Atlantic City, N. J. (275m-1090kc), 2 p. m., Seaside hotel trio; 8, Seaside hotel quartet; 11:30, orchestra.

WHAZ, Troy, N. Y. (379.5m-790kc), 9 p. m., concert; 10:30, King Jazz.

WIP, Philadelphia, Pa., (508.2m-590kc), 1 p. m., Gimbel tea room orchestra; 3, recital, Skibonsky studios, Charles D. Long, basso, Flora Ripka, pianist, Elsa Schumann, soprano; 6:05, Benjamin concert orchestra.

WJAX, Jacksonville, Fla. (336.9m-890kc), 3:30 p. m., Hemming Park band concert, Vessella's band, Oreste Vessella, conductor; 7:30, music memory contest; 8-9, popular program, orchestra, vocal, etc.; 9-10, classical program, vocal and instrumental.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Jean Goldkette's Petite symphony orchestra, soloists; 9, Paige and Jewett Sixes; 11:30, "Merry Old Chief," and Jewett Jesters.

WJZ, New York, N. Y., (454.3m-660kc), 1 p. m., Meyer Davis' Park Lane orchestra; 4:30, Sherry's Fifth Avenue trio; 7, Hotel Commodore dinner concert; 7:55, John B. Kennedy; 8, B. Fisher and company's Astor Coffee orchestra; 9, Fred F. French company; Henry Hadley and his Philharmonic orchestra; 10:30, Harry Leonard's Waldorf Astoria grill orchestra.

WLIT, Philadelphia, Pa., (394.5m-760kc), 2 p. m., Arcadia cafe concert orchestra; 4:30, Alice Wigman, pianist; 9, Stanley hour of Music; 10, Arcadia cafe dance orchestra; 10:30, Fay's vaudeville features; 10:45, El Patio dance orchestra.

WLWL, New York, N. Y. (288.3m-1040kc), 9 p. m., commonweal period; 9:15, piano recital; 10, music; 10:15, study club; 10:30, songs.

WMAK, Buffalo, N. Y. (266m-1130kc), 7:30-8:30 p. m., Murray Whiteman and his serenaders; 8:30-9, New Olympic theater; 9-10, musical program.

WMCA, New York, N. Y., (340.7m-880kc), 6 p. m., Olcott Vail and his Hotel McAlpin string ensemble; 6:30, Ernie Golden and his Hotel McAlpin orchestra, 7:30, Kurtz Karnival Kings; 8, Terminal music hour, 9, Christian Science lecture, William W. Porter, C. S. B.; 10:15, Woodmansten Inn orchestra; 11:30, Jack Denny's orchestra; 12, McAlpin entertainers.

WNYC, New York, N. Y. (526m-570kc), 6:20 p. m., piano selections; 7:35, dance program; 8:30, concert hour; 9:30, instrumental novelty; 10, Richmond Versatile orchestra; 10:35, Richmond Versatile orchestra.

WOO, Philadelphia, Pa., (508.2m-590kc), 11 a. m., organ recital; 12:02, Crystal tea room orchestra, Robert E. Golden, director; 4:45, organ recital; 7:30, Hotel Sylvania dance orchestra; 11, Sylvania dance orchestra.

WOR, New York, N. Y., (405.2m-740kc), 6:30 p. m., Billy Wathey's sport talk; 6:45-7:30, Jacques Jacobs' hotel ensemble; 8:30-9:30, Al Reed's hour; 9:45, Percy Boat, baritone; 10, Sydney Lobsenx, pianist; 10:15, Percy Boat, baritone; 10:30, Sydney Lobsenx, pianist; 11-12, Hofbrau Haus orchestra.

WPG, Atlantic City, N. J. (299.8m-1000kc), 4:30 p. m., Chalfonte-Haddon Hall music; 6:45, Arthur Scott Brook, organist; 7, Hotel Morton music; 8:40, program; 9, Hotel Ambassador orchestra; 10, program; 11, Silver Slipper supper club orchestra.

WRC, Washington, D. C. (468.5m-640kc), 12 noon, organ recital, Henri Smidt-Gregor; 12:30 p. m., Lenten services; 1, Shoreham hotel orchestra; 4:30, musical program.

WTAG, Worcester, Mass. (268m-1120kc), 12:05-2 p. m., noon-day luncheon music, WTAG orchestra; 9-10, Robin Hood hour of music; 10-11, grand opera.

WTIC, Hartford, Conn. (475.9m-630kc), 12:05 p. m. Travelers club orchestra; 6:50, Hub trio; 8:15, piano, violin and tenor solos; 9, popular program; Colonial quartet; 9:15, Colonial quartet and Hotel Cond orchestra; 10:30, Travelers Symphonic ensemble and soloists.

WWJ, Detroit, Mich. (352.7m-850kc), 12:05 p. m., Jules Klein's Hotel Statler orchestra; 3, Detroit News orchestra; 6, dinner concert; 8, Detroit News orchestra, 9, A. and P. Gypsies.

Central Time Stations

KFAB, Lincoln, Nebr., (340.7m-880kc), 5:30-6:30 p. m., dinner concert; 8:30-10:30, Buick entertainers; Olive Fletcher and Ruby Teater; Harriet Cruise-Oriole of the air; Meraldine Schmidt, blues singer; Slick Merriam, pianist; Belshaw's orchestra; Humboldt high school trio.

KFNF, Shenandoah, Iowa (263m-1140kc), 1:30-2:30 p. m., mothers' hour; 7, Smith-Belding orchestra.

KFRU, Columbia, Mo. (499.7m-600kc), 4:30 p. m., Bella Vista Quadrangle orchestra; 6:15, dinner music.

KFUO, Fayetteville, Ark. (299.8m-1000kc), 8 p. m., Alberta Stone, soprano.

KMA, Shenandoah, Iowa (252m-1190kc), 11:30-12:30 p. m., noonday rural program; musical saw, J. A. Showers; 6-7, popular dinner hour program; 9-11, Farmham trio; How Do You Do Boys, Grady and Doc.

KPRC, Houston, Tex. (296.9m-1010kc), 12 noon, Frank Tilton, boy pianist; 7:30 p. m., Malon Gunn's dance orchestra; 9, E. W. Rodgers, cabaret entertainer; Mrs. Corinne Hart, pianist.

KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., recital, Gunborg Aspen, Norwegian soprano; 9, piano concert, Opal Sweazea and Clara Meyer.

KSO, Clarinda, Iowa (241.8m-1240kc), 7:30-9:30 p. m., Carl Sturn, Hay Mow Five contest.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9-9:30 p. m., old-fashioned favorites; Meyer Davis' New Arlington hotel orchestra; 9:30, Lawson Reid, organist; 9:45, Pooley hour, Brick English and his ten-piece novelty orchestra; 10:45, duets, Edward Richter, cellist; Lon Chassy, violinist; John Heyn, accompanist; 11-12 midnight, Firestone frolic.

KYW, Chicago, Ill. (536m-560kc), 12:05-1 p. m., noonday concert; 1-2, luncheon concert, Congress hotel, 6-7, dinner music.

WAMD, Minneapolis, Minn. (244m-1230kc), 6 p. m., stringed orchestra; 7:20, classical program; 11, Skyrocket frolic.

WBAP, Fort Worth, Tex. (475.9m-630kc), 12:05-12:30 p. m., Sunflower Girl; 6-6:30, Chief Gonzales' Texas Hotel Royals; 7:30-8:30, Fort Worth Chapter of I. O. O. F.; 9:30-11, Trail Blazers; 11-12 midnight, Majestic theater.

WCAL, Northfield, Minn. (336.9m-890kc), 8:30 p. m., Norwegian program.

WCCO, Minneapolis, Minn. (416.4m-720kc), 12 noon, Donaldson's concert orchestra; 2:30 p. m., concert; 4, readers' club; 6:30, dinner concert, Gordon Cooke ensemble; Meta Ashwin Birnbach, soprano; Louise Jenkins, accompanist; 8, University of Minnesota program; 9, classical concert.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., Trianon ensemble; 8-9:30, Jack Little; 11:45-1 a. m.,

High Lights of the Week

GEORGE Washington university will make its entrance among the broadcasters of the East when a special program arranged by the students and faculty of that institution is broadcast by Station WRC, Washington, D. C., February 27th. Among the organizations who will take part in the program are the university glee club, the university string quartet, the university debating team, which has won honors both in the United States and abroad, and members of the faculty of the school.

An old friend returns to the air Sunday evening when WEMC, Berrien Springs, opens its new superpower station. Students of the college will entertain. The London String quartet will please the fans who enjoy the Atwater Kent program Sunday evenings through the WEAF chain.

The new voice of Pensacola, WCOA, will give a military program Monday with the 13th Coast Artillery band and members. Sgt. Leo Donna Rumma, the Soldier Caruso, who has made a name for himself, will sing.

Comedy will rule the air from KGO, Tuesday evening, March 2, when James (Jim) Madison, famous maker of the Madison Budget of jokes, familiar to stage people, will appear before a KGO microphone, reading some of his latest. He will also present a comic musical skit, "Musical Memories," assisted by the Sierra male quartet, which will show the evolution of the American popular song. Jigs and reels played on Joe Flanagan's accordion will lighten up the ether at WGBS this same evening.

Wednesday is the date set for the old-time fiddlers contest at KWSC. Washington will send representatives from all parts of the state. Another western attraction will be the hour in the "Southland" with the Blue Bell Four at KOA.

"Chinese Civilization" is the interesting title of the talk to be given by C. Chen, at WGY during the Chinese program Thursday. The WGY orchestra will feature oriental music. A midnight frolic called "The Silver Forest," is the Thursday feature of WBZ. The affair will be conducted along the lines of the famous Ziegfeld midnight frolic atop the New Amsterdam theater in New York.

A new educational feature at WTIC will be the cartoon lesson Friday by Bud Kingston, Radio and art editor of the Two Heralds of Bridgeport. Mr. Kingston will review any sketches his listeners wish to send in. Two well-known artists, Walter Gieseking, pianist, and Josef Szigeti, violinist will be featured on the Baldwin hour this same evening from the WJZ chain.

MYSTERY SERIAL PLAY "A STEP ON

POPULAR CONCERTS INDEX

Saturday, February 27

Eastern	Central	Mountain	Pacific
7:30 p. m.	6:30 p. m.	5:30 p. m.	4:30 p. m.
WFAA.			
8	7	6	5
WAMD, WLS.			
9	8	7	6
WBBM, WEAF, WENR, WGBS, WLS, WMAQ, WNYC.			
10	9	8	7
KFAB, KPRC, WBBM, WEBH, WENR, WGN, WLS, WMBB, WREO.			
11	10	9	8
KFVE, KFWB, KNX, KTHS, WBBM, WMBB, WOK, WQJ, WRC.			
12	11	10	9
KNX, KOIL, KPO, KPRC, WBBM, WEBH, WLS, WOAW, WOK, WQJ.			
1 a. m.	12 m.	11	10
KFWB, WDAF, WBBM, WEBH, WENR, WOK, WQJ, WSAI.			
2	1 a. m.	12 m.	11
KNX, WBBM, WEBH, WENR, WQJ.			

Sunday, February 28

Eastern	Central	Mountain	Pacific
9 p. m.	8 p. m.	7 p. m.	6 p. m.
WBBM.			
10	9	8	7
WBBM, WMBB.			
11	10	9	8
WMBB.			
12	11	10	9
KNX, KTHS.			
1 a. m.	12 m.	11 p. m.	10
KFWB, WBBM.			
2	1 a. m.	12 m.	11
KFWB.			

Monday, March 1

Eastern	Central	Mountain	Pacific
7 p. m.	6 p. m.	5 p. m.	4 p. m.
WBBM, WFAA, WOAW.			
8	7	6	5
WGBS.			
9	8	7	6
WCAU, WEAF, WGR, WKRC, WOK.			
10	9	8	7
KFAB, WEBH, WGR, WKRC, WMCA, WOAW, WOK, WSOE.			
11	10	9	8
KFAB, KFVE, WOK.			
12 m.	11	10	9
KLX, KNX, KOIL, WAMD, WEBH, WHO, WOK.			
1 a. m.	12 m.	11	10
KFWB, KLX, WAHG, WDAF, WHT, WKRC, WOK.			
2 a. m.	1 a. m.	12 m.	11
KFWB.			

Tuesday, March 2

Eastern	Central	Mountain	Pacific
7 p. m.	6 p. m.	5 p. m.	4 p. m.
WMCA, WOAW.			
8	7	6	5
WBBM, WEAR.			
9	8	7	6
WBBM, WEAR, WBZ, WSB.			
10 p. m.	9 p. m.	8 p. m.	7 p. m.
WBBM, WEBH, WMMB, WOAW.			
11 p. m.	10 p. m.	9 p. m.	8 p. m.
KFVE, KFWB, KNX, WBBM, WHT, WMBB, WOK, WQJ.			
12 m.	1	10	9
KNX, KOIL, KPO, WAMD, WBBM, WEBH, WEBH, WKRC, WMC, WOK, WQJ.			
1 a. m.	12 m.	11	10
KFWB, KNX, WFAA, WHT, WOAW, WOK, WQJ.			
2	1	12 m.	11
KFWB, WQJ.			

Wednesday, March 3

Eastern	Central	Mountain	Pacific
8 p. m.	7 p. m.	6 p. m.	5 p. m.
KFNF, WAHG, WEBJ, WEEI, WMCA.			
9	8	7	6
WBBM, WEBJ, WGCP, WNYC.			
10	9	8	7
KFAB, KPRC, WBBM, WEBH, WGCP, WHO, WMBB.			
11	10	9	8
KFAB, KFVE, KGW, KPO, KWSC, KYW, WBBM, WHN, WMBB, WOK, WQJ.			
12 m.	11	10	9
KFWA, KFWB, KNX, KYW, WAMD, WEBH, WOK, WQJ, WSAI.			
1 a. m.	12 m.	11	10
KNX, KYW, WBBM, WHT, WOK, WQJ.			
2	1 a. m.	12 m.	11
KFWB, KNX, WBBM, WOK, WQJ.			

Thursday, March 4

Eastern	Central	Mountain	Pacific
8 p. m.	7 p. m.	6 p. m.	5 p. m.
WCAE, WEAF, WJAR, WMC, WOC, WSAI.			
9	8	7	6
WBBM, WHAD.			
10	9	8	7
KMA, WBBM, WEBH, WEEI, WHAD, WHN, WMBB, WMC, WNYC, WOAW, WSOE.			
11	10	9	8
KHJ, KMA, KYW, WBBM, WMBB, WOK, WQJ.			
12 m.	11	10	9
KHJ, KTAB, KOIL, WBBM, WDAF, WEBH, WFAA, WKRC, WOC, WOK, WQJ.			
1 a. m.	12 m.	11	10
KFWB, KHJ, WHT, WOK, WQJ.			
2	1 a. m.	12.m.	11
KNX, WQJ.			

Friday, March 5

Eastern	Central	Mountain	Pacific
8 p. m.	7 p. m.	6 p. m.	5 p. m.
WGCP, WJR.			
9	8	7	6
WAMD, WBBM, WGR, WLS.			
10	9	8	7
KFAB, WBBM, WEBH, WMC, WDAF, WHAD, WMBB, WOAW, WSOE.			
11	10	9	8
KFVE, KFWA, KHJ, KLX, KYW, WMBB, WOK, WQJ.			
12 m.	11	10	9
KFWB, KHJ, KNX, KOIL, WAMD, WEBH, WMC, WOK, WQJ.			
1 a. m.	12 m.	11	10
KFWB, KHJ, WDAF, WHT, WOK, WQJ.			
2	1 a. m.	12 m.	11
KNX, WQJ.			

Monday, March 1

Weems' Victor Recording orchestra; Ben Bernie's orchestra; Jack Little.

WFAA, Dallas, Tex. (475.9m-630kc), 12:30-1 p. m., Paul D. Ray, pianist; 4:30-5, Cyrus Barcus, cornetist, assisting musicians; 6:30-7:30, municipal band, Mort Herron, director; 8:30-9:30, Sears-Roebuck program.

WHAS, Louisville, Ky. (399.8m-750kc), 1-2 p. m., concert, Royal Peacock orchestra; 3-3:30, Myrtle Zahn, organist; 4-5, concert.

WHB, Kansas City, Mo. (365.6m-820kc), 2-3 p. m., Radio trio; 7-8, orchestra; Gertrude Koehring, contralto.

WHO, Des Moines, Iowa (526m-570kc), 2:15 p. m., George Getsey; 7:30-8, Paul Stoye, pianist and composer; 8-8:20, program, Rhena Hayward, director; 8:20-9, Joseph Gifford, reader; Mary Burns McClain, soprano; 11-12, L. Carlos Meier, organist.

WKAF, Milwaukee, Wis. (261m-1150kc), 10-11 p. m., Diefenthaeler program.

WLS, Chicago, Ill., (344.6m-870kc), 6 p. m., WLS trio; 6:40, Ralph Emerson, organist; 7, lullaby time; 7:20, "Common Sense of Music," Dr. S. Spaeth.

WLW, Cincinnati, Ohio (422.3m-710kc), 6 p. m., Howard Thurston, magician; 7, Hotel Gibson orchestra; 7:30, theatrical feature; 8, Cincinnati Times-Star orchestra; Howard Hafford, tenor; Lydia Dozier, coloratura soprano.

WMAQ, Chicago, Ill. (447.5m-670kc), 4:35 p. m., pupils, Glenn Dillard Gunn School of Music; 6, Chicago theater organ recital; 6:30, Hotel La Salle orchestra.

WMC, Memphis, Tenn. (499.7m-600kc), 8:45 p. m., Cortese ensemble.

WOAI, San Antonio, Tex. (394.5m-760kc), 3 p. m., musical program.

WOAW, Omaha, Nebr. (526m-570kc), 12:45 p. m., Randall's Royal Fontenelle orchestra; 6:20, popular songs; Frank Peterson tenor; Helen Higgins, pianist; 6:50, Randall's Royal Fontenelle orchestra; 9, classical.

WOC, Davenport, Ia. (483.6m-620kc), 5:45-6 p. m., chime concert.

WOI, Ames, Iowa (270m-1110kc), 7:50 p. m., musical program.

WSAI, Cincinnati, Ohio (325.9m-920kc), 10-11 p. m., Cincinnati Community program.

WSB, Atlanta, Ga. (468.5m-640kc), 8 p. m., John McCrindle, Scotch balladist; 10:45, Happy Four quartet.

WSM, Nashville, Tenn. (282.8m-1060kc), 6:30 p. m., Francis Craig's orchestra; 8, program, Wednesday Music club; 10, Vito Pellettieri and orchestra.

WSUI, Iowa City, Iowa (483.6m-620kc), 10 p. m., Scotch songs, Scotty Maxwell.

Mountain Time Stations

CFAC, Calgary, Can. (434.5m-690kc), 9 p. m., concert trio.

KFWA, Ogden, Utah (261m-1150kc), 4-5 p. m., organ recital, Paramount theater; 5-6, Ogden Radio dealers program.

KFXF, Colorado Springs, Colo. (250m-1200kc), 8:30-10:30 p. m., musical program.

KOA, Denver, Colo. (322.4m-930kc), 12:45 p. m., Rialto theater organ recital, Marjorie Nash; 6:30, dinner concert, Brown Palace string orchestra; 8:30, KOA orchestra, artists; 9:30, "A Step On the Stairs," Radio Digest serial mystery play; miscellaneous music, orchestra, artists.

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 5:30-6 p. m., Owen Fallon's Californians; 7-8, Mosley Brothers in banjo duets; Chas. D. McRoy and his fleet of harmonicas; 8-9, Packard Eight orchestra; 9-10, Pryor Moore concert orchestra; 10-11, popular program, Meiklejohn Bros.

KFOA, Seattle, Wash., (454.3m-660kc), 7-8:15 p. m., Sherman Clay and company; 8:15-8:30, industrial news; 8:30-10, Times studio program.

KFON, Long Beach, Calif. (232.4m-1290kc), 6-6:30 p. m., Brayton's theater organ; 7-8, Investors' hour with music; 8-9, program from Municipal Auditorium; 8-11, dance music.

KFWB, Hollywood, Calif. (252m-1190kc), 7:30-8 p. m., program, Dr. Ralph Mitchell, Friendly Dentists orchestra, Bill Blake, tenor; 8-9, Bill Hatch's Oakmont Country club orchestra; Dan Gridley, tenor; 9-10, program, Million Dollar Four orchestra; Sol Hoopii's Hawaiians, Ashley Sisters in vocal duets; 10-11, Warner Brothers frolic.

KGO, Oakland, Calif. (361m-830kc), 3-4 p. m., Madeline Sivyer, violinist; Howard Kepler, baritone; Caroline Irons, pianist, presenting Lena Minehart; 6-6:55, twilight concert; 8-9, music, Amphion trio.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert, Olds Wortman and King company; 8-9, concert, Willys-Overland Pacific company; 9-10, studio concert.

KJR, Seattle, Wash. (384.4m-780kc), 1:30-3 p. m., musical program; 7-8:30, Sears-Roebuck program; Mendelssohn trio; 8:30-10, Post-Intelligencer program.

KMTR, Hollywood, Calif. (238m-1260kc), 7:15 p. m., Y. M. C. A. hour; 8-10, KMTR concert orchestra, Loren Powell, director; 10-11, Starr Piano company studio.

KNX, Hollywood, Calif. (336.9m-890kc), 5:30 p. m., Leighton's Arcade cafeteria orchestra; 6:30-7, Atwater Kent orchestra; 7-7:30, Mutual Motors mirth contest; 7:30-8, studio program; 8-9, program, L. W. Stockwell company; 9-10, KNX feature hour; 10-11, Goodrich Silvertown Cord dance orchestra; Lilyan May Challenger, contralto; 11-12, Cocoanut Grove dance orchestra.

KPO, San Francisco, Calif. (428.3m-700kc), 1-2 p. m., Rudy Seiger's Fairmont hotel orchestra; 2:30-3:30, matinee program; 6:40-7, Waldemar Lind and the States restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel orchestra; 8-9, Uda Waldrop, organist; 10-11, Cabiria cafe orchestra.

KQP, Portland, Ore. (319m-940kc), 8-9 p. m., studio program; 9-10, studio program.

KTAB, Oakland, Calif. (240m-1250kc), 8-10 p. m., Boulevard players.

KWSC, Pullman, Wash. (348.6m-860kc), 7:30-9 p. m., program, St. John.

Tuesday, March 2

Headliners Today

Eastern	Central	Mountain	Pacific
7:45 p. m.	6:45 p. m.	5:45 p. m.	4:45 p. m.
WTAG (268m-1120kc) "The Romance of Numbers."			
8:15	7:15	6:15	5:15
WGBS (315.6m-950kc) Jigs and reels.			
8:30	7:30	6:30	5:30
WHAS (399.8m-750kc) Zoeller's Melodists.			
WRC (468.5m-640kc) Philharmonic society.			
9	8	7	6
WBZ (344.6m-870kc) Varied quartets.			
9:30	8:30	7:30	6:30
WGHB (266m-1130kc) Homer Moore, singer.			
10:50	9:50	8:50	7:50
KTHS (374.8m-800kc) Bradley quartet.			
11	10	9	8
KGO (361.2m-830kc), Jim Madison.			
11:45	10:45	9:45	8:45
WSB (428.3m-700kc) Oglethorpe university quartet.			
1:30 a. m.	12:30 a. m.	11:30	10:30
WJJD (370.2m-810kc) Knights of the Burning Candle.			

Tuesday, silent night for: CFCA, CHIC, CKNC, CKY, CNRC, CNRE, CNRM, CNRO, CNRW, CNRT, KFKX, KFKU, KUOA, KFUO, KFWA, KYX, KOA, KOAC, KOB, KOWW, KUOM, KWSC, WABQ, WAHG, WAMD, WBBR, WCAD, WCAL, WCAP, WGCP, WGST, WHAD, WHAZ, WJAD, WJAZ, WKAF, WKAQ, WLWL, WOI, WOS, WRVA, WSUI, WTAM, WTIC.

Eastern Time Stations

CFCA, Toronto, Can. (356.9m-840kc), 5:15 p. m., R. S. Seyring, international accordionist and composer.

KDKA, Pittsburgh, Pa. (309.1m-970kc), 12:20 p. m., Trinity Church Lenten service; 6:30, dinner concert; 8:30, sacred song half-hour; 9, KDKA Little symphony orchestra; 11:35, Grand theater concert.

WBAL, Baltimore, Md. (246m-1220kc), 6:30-7:30 p. m., WBAL dinner orchestra; 7:30-8, quartet; 8-9, musical program; Marion McFall Kaye, soprano; James Wilkinson, baritone; George Bolek, pianist; 9-10, WBAL string trio; Philip Jeffreys, pianist.

WBZ, Springfield, Mass. (333.1m-900kc), 6:30 p. m., Hotel Lenox ensemble.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:45 p. m., Hotel Pennsylvania concert orchestra; 7:30, recital, N. Snellenburg and company; 8:10, the Three Brothers; 9, Robert Fraser, blind Gospel singer; 9:30, the Sea Gulls; 10, Ed McCauley and his pals; Cathay Garden dance orchestra.

WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., dinner program, Goldkette's ensemble; 8-9, studio program.

WDBO, Winter Park, Fla. (239.9m-1250kc), 9-10:30 p. m., entertainment.

WEAF, New York, N. Y. (491.5m-610kc), 11:50 a. m., Leo J. F. Bartunique, baritone; 4 p. m., Adamo trio; 4:30, women's program, under auspices of Women's League of United Synagogue of America; 5, Vincent Lopez and orchestra from Tea Room of Hotel Ritz-Carlton; 6, dinner music, Hotel Waldorf-Astoria; 7, John Booth, baritone; 7:30, a half-hour with American composers; 8, Blue Ribbon male quartet, WEAF, WEEI, WFI, KSD, WCAE, WWJ, WGR; 8:30, Gold Dust Twins, WEAF, WEEI, WFI, WCAE, WGR, WWJ, WOC, WJAR, WCCO, WLIB, WEAR, KSD; 9, Eveready hour, WEAF, WEEI, WFI, WCAE, WGR, WWJ, WOC, WJAR, WCCO, WTAG, WGN, WEAR, WSAI, KSD; 10, auction bridge game, WEAF, WEEI, WFI, WGR, WCCO, WSAI, WOC, WWJ; 10:30, Vincent Lopez and orchestra from Casa Lopez, New York city, WEAF, WFI, WWJ, WGR, WCAE, WTAG, KSD; 11-12, Ross Gorman and orchestra from Monte Carlo.

WEAR, Cleveland, Ohio (389.4m-770kc), 7 p. m., State theater vaudeville and music; 8, studio program; 10, program; 11, Wormack's singing syncopators.

WEBJ, New York, N. Y. (272.6m-1100kc), 7 p. m., Barnett's orchestra; 7:45, Milton Yoheman, tenor; 8:15, Jeanne A'Dair, singing composer; 8:30, Lehigh serenaders.

The wife of a magician, Mrs. Howard Thurston, above, will be interviewed by Alvin Plough at WLW, Monday evening, March 1. Mr. and Mrs. Thurston are giving talks on magic this week at WLW. The attractive couple in the center is red-headed June Pursell, who sings at KNX, Hollywood, and Ron Wilson, her accompanist.

WEEI, Boston, Mass. (348.6m-860kc), 1 p. m., assembly luncheon; 3:05, Eugene's singing orchestra; 5, Joe Herlihy's Collegians; 6:05, George Joy, Nell Cantor, popular songs; 7:30, Philip Dundon, baritone, George Brigandi, violinist; Dorothy L. Higgins, accompanist.

WFI, Philadelphia, Pa. (394.5m-760kc), 1 p. m., Tea Room ensemble; 3, "Stevens Harmony Crew"; 6:30, Bellevue-Stratford concert orchestra; 7, Bellevue-Stratford dance orchestra.

WGBS, New York, N. Y. (315.6m-950kc), 1:30 p. m., Jeanne A'Dair, singer; 3:10, program, Dorothy Herzog, Gwendolyn Stocking, mezzo-soprano; 6:30, "The Court-Yard Singer"; 7, Arrowhead inn concert orchestra; 8:15, Irish program, Joe Flanagan, accordion jigs and reels; Charlie Bender, pianist; Maura Canning, contralto; 8:45, the Threshold players; 9, Crystal Palace orchestra; 9:40, string trio.

WGCP, New York, N. Y. (252m-1190kc), 3 p. m., Eva Rothenberg, pianologue; 3:20, Isabelle Henderson, soprano; 3:35, Twentieth Century entertainers; 4:15, Leslie McLeod, tenor; 4:30, Max Heitt, violinist; 4:45, Ukulele Bob McDonald.

WGHB, Clearwater, Fla. (266m-1130kc), 6:30-7:30 p. m., dinner music; 8:30-9:30, Homer Moore singers; 11:45-1, Radio Ramblers.

WGHP, Detroit, Mich. (270m-1110kc), 6-7 p. m., dinner concert, Hotel Tuller; 7:40-7:50, children's evening chat; 8-10, Skylark dance band; 12-1 a. m., Gerald Marks and his orchestra, assisting artists.

WGR, Buffalo, N. Y. (319m-940kc), 2:30 p. m., WGR's afternoon program.

WGY, Schenectady, N. Y. (379.5m-790kc), 2:30 p. m., Stephen E. Bolsclair, organist; 6:30, dinner program, Porter E. Potts' Hotel Van Curler orchestra; 7:45, Marine band; 9:30, WGY orchestra.

WHAR, Atlantic City, N. J. (275m-1090kc), 2 p. m., Seaside hotel trio; 8, Seaside hotel trio.

WIP, Philadelphia, Pa. (508.2m-590kc), 1 p. m., organ recital; 3, recital, John Thoms' studio; Dorothy Githens, soprano, Flora Ripka, pianist; 6:15, Nelson Maples and his S.S. Leviathan orchestra; 7, the Happy entertainers; 8, dramatic review, Elliott Lester; 8:15, University of Pennsylvania band; Pitman community chorus; 10:30, Pagoda cafe dance orchestra.

WJAX, Jacksonville, Fla. (336.9m-890kc), 3:30 p. m., Hemming Park band concert, Vessella's band, Oreste Vessella, conductor; 7:30, music memory concert; 8-9, popular program; 11-12, popular program.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Stormfeltz-Loveley entertainers; 9, Michigan night.

WJZ, New York, N. Y., (454.3m-660kc), 1 p. m., Hotel Pennsylvania concert orchestra; 4:30, Hotel Commodore concert orchestra; 7:30, U. S. marine band; 10:45, George Olsen's Hotel Pennsylvania grill orchestra.

WLIT, Philadelphia, Pa. (394.5m-760kc), 11 a. m., organ recital, Stanley theater; 2 p. m., Arcadia cafe concert orchestra; 7:30, Dream Daddy's bedtime stories.

WMAK, Buffalo, N. Y. (266m-1130kc), 6:15-7:15 p. m., dinner music.

WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Olcott Vail and his Hotel McAlpin string ensemble; 6:30, Woodmansten Inn orchestra; 7, Jack Denny's orchestra; 8:15, Landay Revellers; 9:15, Palmer pen lesson; 10:30, Tango Garden orchestra; 11, Ernie Golden and his Hotel McAlpin orchestra; 12, McAlpin entertainers.

WNYC, New York, N. Y. (526m-570kc), 7:35 p. m., the Canadians; 9, Kings County Grand Jurors' association.

WOO, Philadelphia, Pa. (508.2m-590kc), 11 a. m., organ recital; 12:02 p. m., Crystal Tea Room orchestra, Robert E. Golden, director; 4:45, organ recital; 7:30, Hotel Adelphia dance orchestra.

WOR, Newark, N. J. (405.2m-740kc), 6:15 p. m., Bill Wathey's sport talk; 6:45-7:45, Copenhagen quartet.

WPG, Atlantic City, N. J. (299.8m-1000kc), 6:45 p. m., Arthur Scott Brook, organist; 7, Elks' Home music; 8:15, Cecile Steiner, violinist; Margaret Irwin, pianist; James A. Way, tenor; 9, Chalfonte-Haddon Hall dual trio; 10, Hotel Traymore orchestra; 10:30, Karl Bonawitz, pianist; 11, Silver Slipper supper club orchestra.

WRC, Washington, D. C. (468.5m-640kc), 12 noon, George F. Ross, organist; 12:30 p. m., Lenten services; 1, Hotel Washington orchestra; 7:30, concert, U. S. Marine band orchestra; 10:30, Hotel Mayflower orchestra; 11:30, Otto F. Beck, organist.

WTAG, Worcester, Mass. (268m-1120kc), 12:05-2 p. m., noon-day luncheon music, WTAG orchestra; 10:30-11, Vincent Lopez and his orchestra.

WWJ, Detroit, Mich. (352.7m-850kc), 12:05 p. m., Jules Klein's Hotel Statler orchestra; 3, Detroit News orchestra; 6, dinner concert.

Central Time Stations

KFAB, Lincoln, Nebr., (340.7m-880kc), 5:30-6:30 p. m., dinner concert; 8:05-10:30, program, University of Nebraska.

KFDM, Beaumont, Tex. (315.6m-950kc), 8-10 p. m., Schubert's ensemble.

KFUO, Fayetteville, Ark. (299.8m-1000kc), 8 p. m., university student orchestra.

KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., concert, Adams Brothers.

KFRU, Columbia, Mo. (499.7m-600kc), 4:30 p. m., Bella Vista Quadrangle orchestra; 6:15, dinner music.

KLDS, Independence, Mo. (441m-680kc), 2:30 p. m., matinee program; 8:15, concert; Herbert Johnson, organist.

KMA, Shenandoah, Iowa (252m-1190kc), 11:30-12:30 p. m., noonday rural programs; request songs, Mrs. May; 6-8, May Flower trio; May's Flower lady, Lina Ferguson; 9-11, May's Mandolin musicians.

KPRC, Houston, Tex. (296.9m-1010kc), 7:30 p. m., Ralph Park's Casino Beautiful orchestra; 8:30, Skyline studio program, celebration of Texas Independence.

KSO, Clarinda, Iowa (241.8m-1240kc), 7 p. m., 10, Florida-Bound concerts.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9-9:30 p. m., solo revue, Eastman hotel artists; 9:30, organ recital, Lawson Reid; 9:50, Bradley quartet; 10:30-11, dance concert, Meyer Davis' New Arlington hotel orchestra.

KYW, Chicago, Ill. (536m-560kc), 12:05-1 p. m., noonday concert; 1-2, luncheon concert, Congress hotel; 4, afternoon frolic; 6-7, dinner music; 8-9, musical program, Congress hotel; 10, evening at home; 1 a. m., Insomnia club.

THE STAIRS" BEGINS NATION WIDE

music, songs, Correll and Gosden; Hawaiian guitar music, Langdon brothers.

WLS, Chicago, Ill., (344.6m-870kc), 6 p. m., WLS trio; 6:40, Ralph Emerson, organist; 7, Ford and Glenn; 7:20, WLS trio; 8:30, "Our Dallas Trip," Ford and Glenn; 9:30, Jaysee male quartet; 10, Nadel's Hawaiian quintet; 10:30, Tony Corcoran, baritone; 11, WLS circus.

WLW, Cincinnati, Ohio (422.3m-710kc), 12 noon, Hotel Gibson orchestra; 4 p. m., talk, Ralph Schmidt; 6, interview, Alvin Plough with Mrs. Howard Thurston, wife of magician; 7:30, piano memories, Mary L. Woseczek; 8, Crosley Burnt Corkers; 9, Formica orchestra.

WMAQ, Chicago, Ill. (447.5m-670kc), 4:15 p. m., Columbia School of Music; 4:45, High School Teachers' council; 6, Chicago theater orchestra; 8:40, U. of C. program; 9:20, music.

WMBB, Chicago, Ill. (250m-1200kc), 7-8 p. m., Trianon duo; Genevieve Burnham, coloratura soprano; Midwest operatic trio, semi-classical program; 9-11, Trianon orchestra, Dell Lampe, director; Woodlawn theater orchestra, Walter Kipp; Oxford Girls; Harmony duo; Joe Warner, character songs; Eddie Matts and Billie Donovan, singing and playing; Ted Graham, baritone; popular program.

WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., musical program, Mrs. O. H. Muehler; 11, midnight frolic.

WOAI, San Antonio, Tex. (394.5m-760kc), 8:30 p. m., Gebhardt Mexican players.

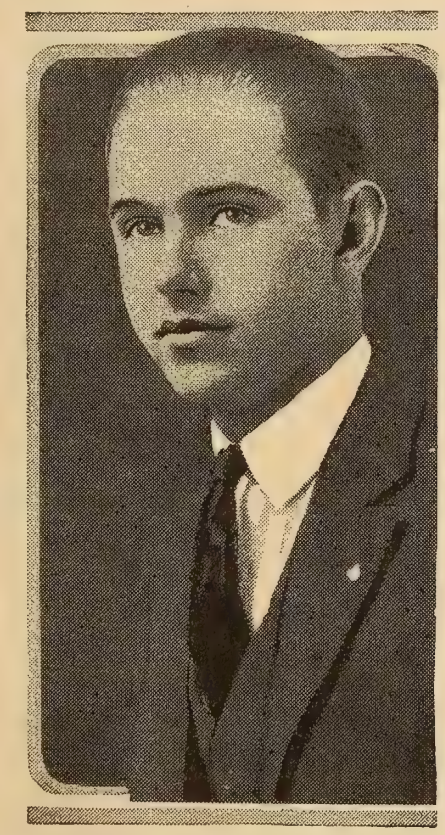
WOAW, Omaha, Nebr. (526m-570kc), 12:45 p. m., Gilbert Jaffy's orchestra; 6, Hugo G. Heyn, xylophonist; Emil B. Hoffman, pianist; 6:50, orchestra; 9, de luxe; 10:30, Herb Feierman's orchestra; 12, Rialto theater alarm.

WOC, Davenport, Iowa (483.6m-620kc), 5:45-6 p. m., chimes concert; 7-7:30, musical program, Blue Ribbon quartet; 7:30-8, musical program; 10:30-11:30, Rathjen's Rainbow orchestra.

WOI, Ames, Iowa (270m-1110kc), 12:30 p. m., college chimes.

WOK, Chicago, Ill. (217.3m-1380kc), 4:30-7 p. m., Capitol theater organ; program; 10-1:30 a. m., Tearney's Town club orchestra; Carl Lorraine's Pershing Palace orchestra; Husk O'Hare's Cocoanut Grove orchestra; Capitol theater program; program.

WORD, Batavia, Ill. (275m-1090kc), 7 p. m., program, Public Service company; 7:45, Bible questions and answers; 9, Webster hotel concert trio; 9:15, program,



"Matter-of-fact Eddie" is really E. J. Dunstedter, above, who plays the pipe organ weekly at WCCO. At 11:30 p. m. Wednesday evening Eddie plays for his invisible audience.

W. A. Sheaffer Pen company; 11, program, Public Service company.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., dinner concert, Ralph Williams and his Rainbo Gardens orchestra; Fontella trio; Leo Miller, violinist; Milton Sherman, pianist; 10-1 a. m., Ralph Williams and his Rainbo Skylarks; Ambrose Wyrick, silver-toned tenor; Jerry Sullivan; Rose Vanderbosch, soprano and pianist; Hal Lansing, uke soloist; Everett George Opie, character reader; Merrill Carder, baritone; Ila Shannabrook, soprano; Will Rossiter; Romo Vincent, baritone, Johnny Poats, baritone; 1-2 a. m., Ralph Williams, ginger man.

WSAI, Cincinnati, Ohio (325.9m-920kc), 5:30 p. m., twilight musicale; 7, Mabley and Carew orchestra; 9:30-10, musical program, featuring Hawaiian guitars.

WSB, Atlanta, Ga. (468.5m-640kc), 8 p. m., Lyon and King Deluxe concert; 10:45, Oglethorpe university quartet.

WSM, Nashville, Tenn. (282.8m-1060kc), 10 p. m., Beasley Smith's orchestra.

Mountain Time Stations

CFAC, Calgary, Can. (434.5m-690kc), 8 p. m., program.

KFWA, Ogden, Utah (261m-1150kc), 4-5 p. m., organ recital, Paramount theater; 5-6, Ogden Radio Dealers' program.

KFXF, Colorado Springs, Colo. (250m-1200kc), 8:30-10:30 p. m., soprano solos, Maida E. Taylor; A. L. Murray, baritone solos; Verda McCleray, pianist.

KOA, Denver, Colo. (322.4m-930kc), 12:15 p. m., Rialto theater organ recital, Marjorie Nash; 6:30, dinner concert, Brown Palace string orchestra.

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-640kc), 5:30-6 p. m., matinee program; 6:15, KFI's Seeing California; 6:30, vest pocket program; 6:45, Radiotorial period; 7-8, Al Wesson's dance orchestra; 8-9, Screen Artists' string quartet; Frank Stever, baritone; 9-10, Drury Lennington, tenor; Emma Kimmel, soprano; 10-11, Packard ballad hour, featuring popular songs of the day.

KFON, Long Beach, Calif. (232.4m-1290kc), 6-6:30 p. m., Brayton's theater organ; 6:30-7, amusement information; 7-8, California Foot Warmers' orchestra; 8-9, Press-Telegram studio; 9-11, Long Beach Aero club hi-jinks.

KFWB, Hollywood, Calif. (252m-1190kc), 8-9 p. m., Esther Horowitz, violinist; Jack Smith's dance orchestra with Hazel Thomas, soloist; 9-10, Bill and Tom Mosley, banjo duets; Bill Blake, tenor; Mildred Bragdon, soprano; 10-11, Warner Brothers frolic.

KGO, Oakland, Calif. (361m-830kc), 4-5:30 p. m., concert orchestra, Hotel St. Francis; 6-6:55, twilight concert; 8-9, Lillian Swaey's trio; Lillian Swaey, violinist; Vernal Deane, cellist; Belle Sherwood Willis, pianist; Sierra quartet; Jim Madison, monologist; 9:10-9:30, Winifred G. Hanlon, soprano; Beatrice L. Sherwood, pianist; 10-12, dance music, Girvin-Deuel's California Collegians.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 10-12, Gold Room; Curt Kremer, pianist.

KHJ, Los Angeles, Calif. (405.2m-740kc), 6-7:30 p. m., weekly visit of Queen Titania and her Sandman with Uncle John, Lenore Killian, contralto, and readings by Charles Leslie Hill; 7:45, history story, Prof. Hertzog; 8-10, program, Builders' Finance association.

KJR, Seattle, Wash. (384.4m-780kc), 1:30-3 p. m., musical program; 7-8:30, musical program, Cornish school; Peter Merchium, violinist; Kola Levienne, cellist; Mme. Bertha Poney Daw, pianist.

KMTR, Hollywood, Calif. (238m-1260kc), 6-7 p. m., Starr Piano company studio; 8-10, KMTR concert orchestra, Loren Powell, director.

KNX, Hollywood, Calif. (336.9m-890kc), 5:30 p. m., Leighton's Arcade cafeteria orchestra; 6:30-7, Atwater Kent orchestra; 7-7:45, program, Overell's Furniture company; 8-9, Globe Ice Cream and Weber Bread companies, program; 9-10, Western Auto Supply company, program; 10-12, Ray West's Cocoanut Grove dance orchestra.

KPO, San Francisco, Calif. (428.3m-700kc), 1-2 p. m.,

FARMERS' PROGRAMS INDEX

Farmer Dinner Concerts

Daily Except Sunday

CENTRAL TIME

KFNF, 12:15-1:35 p. m.
KMA, 12:30-1:30 p. m.
KSO, 12:30-1:30 p. m.
WLS, 12 noon.

Saturday, February 27

Eastern	Central	Mountain	Pacific
1:45 p. m.	12:45 p. m.	11:45 a. m.	10:45 a. m.

WOI (270m-1110kc) Soils, questions and answers.

8	7	6 p. m.	5 p. m.

KDKA (309.1m-970kc) Farm program.

Sunday, February 28

Eastern	Central	Mountain	Pacific
3:30 p. m.	2:30 p. m.	1:30 p. m.	12:30 p. m.

WFAA (475.9m-630kc) Sunday hour for farmers.

Monday, March 1

Eastern	Central	Mountain	Pacific
1:15 p. m.	12:15 p. m.	11:15 a. m.	10:15 a. m.

WEAO, (293.9m-1020kc) Timely Economic Information for the Farmer, C. J. West.
WOC (483.6m-620kc) "Forethought Is Gold at Farrowing Time."

1:35	12:35	11:35	10:35

KSAC (340.7m-880kc) "Potato Seed Treatment," D. Porter. "The One Seedbed Fundamental," H. Sumner.

1:45	12:45	11:45	10:45

WOI (270m-1110kc) Dairy Production.
WMAQ (447.5m-670kc) Radio farm school.

7	6	5 p. m.	4 p. m.

WGY (379.5m-790kc) Agricultural program.

7:45	6:45	5:45	4:45

WSOE (246m-1220kc) Hog Raising.

8	7	6	5

KSO (242m-1240kc) Farm talk.

8:15	7:15	6:15	5:15

KSAC (340.7m-880kc) "Concentrates for Fattening Lambs," H. E. Reed. "That Artificial Iron Mother," H. Steup.

8:30	7:30	6:30	5:30

KFUO (299.8m-1000kc) "Farm Filosofy," Cy Adams; "Grapes in Central Arkansas," W. Laughlin. "Extension Schools for Farm Women," Ida Fenton. "Dairy Development in Cleveland County," Joe Pearce.
WMC (499.7m-600kc) Talk.

8:45	7:45	6:45	5:45

WCCO (416.4m-720kc) farm vegetable gardening, "Harvesting and Storage," F. Krantz.

9:05	8:05	7:05	6:05

KFAB (340.7m-880kc) "Varieties of Small Grain for Spring Sowing," T. Kiesselbach. "Spring Care of Small Fruits," E. Hoppert.

10	9	8	7

KOAC (280.2m-1070kc) Agricultural question box.

Tuesday, March 2

Eastern	Central	Mountain	Pacific
11:30 a. m.	10:30 a. m.	9:30 a. m.	8:30 a. m.

KFAB (340.7m-880kc) "How Early Shall We Hatch?" F. Mussehl.

1:15 p. m.	12:15 p. m.	11:15	10:15

WOC (483.6m-620kc) An Answer to Some of Your Poultry Problems."

1:35	12:35	11:35	10:35

KSAC (340.7m-880kc) "Hints for the Lawn," E. Wells. "Poison the Last Gopher before April 15," A. Oman.

1:45	12:45	11:45	10:45

WMAQ (447.5m-670kc) Radio farm school.

7:15	6:15	5:15 p. m.	4:15 p. m.

WKAR (285.5m-1050kc) "Veterinary Course—the Glands That Control Personality," B. Roseboom.

7:30	6:30	5:30	4:30

WKAR (285.5m-1050kc) "Caring for and Feeding of Baby Chicks," Leo Arnold.

7:45	6:45	5:45	4:45

WKAR (285.5m-1050kc) "Insuring the Pig Crop," W. Edwards.

8	7	6	5

KFRU (499.7m-660kc) "Handling the Farm Flock," M. T. Foster.
KSAC (340.7m-880kc) "Value of Silo to Dairy Farmer," H. Cave. "The Garden Soil," W. Balch.
KSO (242m-1240kc) Farm talk.

9:15	8:15	7:15	6:15

WEAO (293.9m-1020kc) "Fruit: the Trees We Plant," W. Paddock.

Wednesday, March 3

Eastern	Central	Mountain	Pacific
1:15 p. m.	12:15 p. m.	11:15 a. m.	10:15 a. m.

WOC (483.6m-620kc) "Profitable Dairy Feed for Each Month," Prof. O. E. Reed.

1:35	12:35	11:35	10:35

KSAC (340.7m-880kc) "Making the Best Boy Better," M. Coe. "Planting Grapes and Brambles," W. Martin.

1:45	12:45	11:45	10:45

WMAQ (447.5m-670kc) Radio Farm school.
WOI (270m-1110kc) Poultry husbandry.

1:50	12:50	11:50	10:50

KFKX (288.3m-1040kc) "A B C's of Dairying," C. Long.

7:15	6:15	5:15 p. m.	4:15 p. m.

WKAR (285.5m-1050kc) "Strength of Material and Dosage in Spraying," W. Dutton. "Strawberries and Strawberry Growing," R. Loree.

9:05	8:05	7:05	6:05

KFAB (340.7m-880kc) "Simple Water Systems for the Farm," I. D. Wood. "Pasture as a Factor in Beef Production," H. Gramlich.

Thursday, March 4

Eastern	Central	Mountain	Pacific
1:15 p. m.	12:15 p. m.	11:15 a. m.	10:15 a. m.

WEAO (293.9m-1020kc) "Vegetables: Blood Tells in Seeds," L. Montgomery.
WOC (483.6m-620kc) "Sweet Clover—Does It Have a Place?"

1:35	12:35	11:35	10:35

KSAC (340.7m-880kc) "Managing Setting Hens," D. Taylor. "Onion Culture," A. Schoth.

1:45	12:45	11:45	10:45

WMAQ (447.5m-670kc) Radio farm school.
WOI (270m-1110kc) Farm crops.

7:15	6:15	5:15 p. m.	4:15 p. m.

WKAR (285.5m-1050kc) "Timothy vs. Alfalfa for Dairy Cows," J. Hays. "Cottage Cheese and Its Use," P. Lucas. "Feeding Cull Beans," George Taylor.

Eastern	Central	Mountain	Pacific
8 p. m.	7 p. m.	6 p. m.	5:00 p. m.

KSO (242m-1240kc) Farm talk.

9:30	8:30	7:30	6:30

KOA (322.4m-930kc) Farm question box.

Friday, March 5

Eastern	Central	Mountain	Pacific
1:15 p. m.	12:15 p. m.	11:15 a. m.	10:15 a. m.

WOC (483.6m-620kc) Special farm service day.

1:45	12:45	11:45	10:45

WOI (270m-1110kc) Agricultural Economics.

2	1	12 n.	11

KFKX (288.3m-1040kc) Special Farm Service day. "Grow Vegetable Protein to Build Livestock," R. E. Patrick.
WMAQ (447.5m-670kc) Radio farm talk.

1:35	12:35	11:35	10:35

KSAC (340.7m-880kc) "Early Care of Pigs," C. Elling. "A Country Rat Round-up," Roy Moore.

7:15	6:15	5:15 p. m.	4:15 p. m.

WKAR (285.5m-1050kc) "Wheat and Chaff," "Certified Seed Potatoes," H. Moore. "Michigan Farmers' Best Sources of Alfalfa Seed," J. Cox. "Corn Growing," P. Smith.

8	7	6	5

KFRU (499.7m-660kc) "Silage," A. C. Ragsdale.

8:15	7:15	6:15	5:15

KSAC (340.7m-880kc) "Tomato Diseases and Their Control," R. White. "Occupants of the Hive," Ralph L. Parker.
KSO (242m-1240kc) Farm talk.

8:30	7:30	6:30	5:30

WOC (483.6m-620kc) Question box.

8:35	7:35	6:35	5:35

WCCO (416.4m-720kc) "Forest Conservation."

8:45	7:45	6:45	5:45

WCCO (416.4m-720kc) "Flower Growing—Questions Answered and Review," R. Mackintosh.

Markets and Weather

Daily Except Sunday

Eastern	Central	Mountain	Pacific
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.

WFAA (475.9m-630kc) Markets.
WOAW (526m-570kc) Markets.

9:45	8:45	7:45	6:45

KDKA (309.1m-970kc) Livestock, grain.

10	9	8	7

WLS (344.6m-870kc) Livestock, markets, fruit.
WOS (440.9m-680kc) Hogs.

10:30	9:30	8:30	7:30

KFKX (288.3m-1040kc) Weather, hog market, local produce, hay, Chicago Board of Trade futures.
WFAA (475.9m-630kc) Markets.

10:45	9:45	8:45	7:45

WCCO (416.4m-720kc) Markets.
WMC (499.7m-600kc) Weather, markets.

11	10	9	8

WOS (440.9m-680kc) Weather, hogs.

11:15	10:15	9:15	8:15

WTAG (268m-1120kc) Markets, weather.

11:30	10:30	9:30	8:30

KFKX (288.3m-1040kc) Weather, Chicago Board of Trade, livestock, Chicago and New York butter and egg market, local produce.
WCCO (416.4m-720kc) Markets.
WEAR (389.4m-770kc) Markets, weather.

11:45	10:45	9:45	8:45

WAAW (384.4m-780kc) Livestock, butter, eggs.

12 n.	11	10	9

KDKA (309.1m-970kc) Weather, livestock, grain.
WBAP (475.9m-630kc) Weather, cattle, grain.
WLS (344.6m-870kc) Poultry, dairy, hogs, sheep.
WOS (440.9m-680kc) Livestock, poultry, eggs, grain.

12:30 p. m.	11:30	10:30	9:30

KFKX (288.3m-1040kc) Livestock, fruit, vegetables, dairy.
WEAR (384.4m-780kc) Markets, weather.
WFAA (475.9m-630kc) Markets.

1	12 n.	11	10

WBAP (475.9m-630kc) Markets.
WHT (238m-1260kc) Fruit, weather.
WOS (440.9m680kc) Livestock, weather.

1:30	12:30	11:30	10:30

KTHS (374.8m-800kc) Markets, weather.
KFKX (288.3m-1040kc) Weather, livestock, potato market, apples.
WOAW (526m-570kc) Markets.

1:35	12:35	11:35	10:35

KPO (428.3m-700kc) Butter, eggs, cheese, poultry.

1:45	12:45	11:45	10:45

KOA (322.4m-930kc) Weather, roads, livestock, poultry.

2	1	12 n.	11

WOC (483.6m-620kc) Weather, grain, livestock, dairy.
WOS (440.9m-680kc) Grain.

2:15	1:15	12:15 p. m.	11:15

WAAW (384.4m-780kc) Grain markets.
WFAA (475.9m-630kc) Markets.

3	2	1	12 n.

WLS (344.6m-870kc) Livestock, grain, dairy, fruit, vegetables.
WOS (440.9m-680kc) Livestock, markets, grain.

3:30	2:30	1:30	12:30 p. m.

WFAA (475.9m-630kc) Markets.
WMC (499.7m-600kc) Markets, weather.

3:50	2:50	1:50	12:50

WWJ (352.7m-850kc) Weather, markets.

4	3	2	1

KFKX (288.3m-1040kc) Weather, Chicago Board of Trade futures, Kansas City cash grain report, Omaha grain, livestock.
WCCO (416.4m-720kc) Markets.
WCX (516m-580kc) Stocks and grain.
WFAA (475.9m-630kc) Markets.

5:50	4:50	3:50	2:50

WHAS (399.8m-750kc) Markets.

6:30	5:30	4:30	3:30

KSAC (340.7m-880kc) Markets.

6:45	5:45	4:45	3:45

WIP (508.2m-590kc) Livestock, markets.

7:30	6:30	5:30	4:30

KMA (252m-1190kc) Markets and weather.
KSAC (340.7m-880kc) Market review.
KFWA (261m-1150kc) Market reports.

8	7	6	5

KFKX (288.3m-1040kc) Weather, livestock, Boston wool, Omaha grain.
KOA (322.4m-930kc) Sheep, markets, livestock, poultry.

11	10	9	8

WCCO (416.4m-720kc) Weather, grain.

WBAP, Fort Worth, Tex. (475.9m-630kc), 6-6:30 p. m., Chief Gonzales' Texas Hotel Royals; 7:30-8:30, Euterpean club; 9:30-11, Victor B. Acers, Della E. Sappington.

WBBM, Chicago, Ill. (226m-1330kc), 4-6 p. m., concert; 8-9, Sandy and Harry; Moulin Rouge orchestra; Phil Flemming, tenor; Jean St. Anne baritone; Christian A. Grimm, composer-pianist; Bob York, tenor; 9-12, Ariston trio; Pete Kules; Ziegler Sisters; Moulin Rouge orchestra; Vorris Worthley, tenor; Moulin Rouge orchestra; Two Jays; Charlie Garland; Claire Matthews; Earl Bergman, left-hand banjo artist; visualized Hawaiian trio; Vivian Sheffer, contralto; Paul Olson, saxophonist.

WCBD, Zion, Ill. (344.6m-870kc), 8 p. m., ladies' quartet; trombone quartet; clarinet quartet; Fred Faassen, organist; Misses Wiedman, Ludlow and Donovan, trios; Mrs. Thomas and Mrs. Mayfield, duets; Mrs. S. D. Inman, soprano; Miss Peters and Miss Hollingshead, duets; Mrs. Athol Heath, pianist; Mrs. Mable Gustafson, reader.

WCCO. Minneapolis-St. Paul, Minn. (416.4m-720kc), 2:30 p. m., concert, Dick Long's trio; 6:15-10:05, Wesley Barlow's Nicollet hotel concert orchestra.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., Trianon ensemble; 11:45-1 a. m., Ted Weems' Victor Recording orchestra; Eddie Kuhn's Kansas City Athletic club orchestra; Ted Meyn, organist; Jack Little.

WEBH, Chicago, Ill. (370.2m-810kc), 3-4 p. m., special features; 7, Oriole orchestra; marimba band; saxophone quintet; saxophone quartet; Mark Fisher, songs; Lydia Lochner, contralto; Kathryn Forbes, soprano; 9-9:45, Uptown theater; 11-12:30 a. m., Oriole orchestra; trombone duet, Carl Martin, Roy Maxon; 1, Jack Penewell, Fred Palmiter, Howard Neumiller.

WFAA, Dallas, Tex. (475.9m-630kc), 12:30-1 p. m., Jeff J. Sandell, pianist and singer; 4:30-5, Jack A. Davis, pianist and baritone; Jack Bell, tenor; 6:30-7:30, Baker hotel orchestra; 8:30-9:30, music, Southern Methodist university faculty; 11-12, Harry Hassall, cellist, assisting musicians.

WGN, Chicago, Ill. (302.8m-990kc), 11-11:30 a. m., morning organ concert, Chicago theater, Dean Fossler; 12:40-2:30 p. m., luncheon concert music; 2:30-3, Lyon and Healy artists' recital; 3:25, Port o' Missing Men; 3:30-4:15, tea time music; 4:30-5, organ recital, Edward Benedict; 5:30-5:57, Skeezix time; 6:30-6:45, dinner concert music; 6:45-7, old-time favorite songs; 9-10, Jacques Gordon, violinist; 10-10:10, play shop; 10:10-10:15, old-time favorite songs; 10:15-11, dance music; songs, Correll and Gosden, Freda Leonard and Jewell Barnett.

WHAS, Louisville, Ky. (399.8m-750kc), 1-2 p. m., Benson trio; 3-3:30, organ recital, Myrtle Zahn; 4-5, The Campus Cracks; Wallace Wilson, saxophonist; Walter Haynes, banjoist; Charles O'Connell, pianist; concert, Kentucky Music Teachers' association; concert; 7:30-9, concert, Carl Zoeller's Melodists.

WHB, Kansas City, Mo. (365.6m-820kc), 7-7:30 p. m., Morrill Moore, organist; 8-9, Frank Houston, pianist, Charles Shuttleworth, vocalist; Hawaiian selections artists; 9-10, orchestra.

WHO, Des Moines, Iowa (526m-570kc), 2:15 p. m., George Getsey; 7:30-8, Raleigh quintet; 8-9, musical program; 11-12, Bankers Life "Corn Sugar" orchestra.

WIBO, Chicago, Ill. (220m-1330kc), 2-4 p. m., program for shut-ins; 6-8, dinner concert; American ballads, Walter Preston; WIBO string trio; 3, Bernice Taylor, soprano; Charlotte Edwards, contralto; Eugene Walenius, tenor; Ruth Goll, pianist; 12, midnight jamboree; Dan Russo, violinist; Ted Fiorito, pianist; Wayne Meyers, reader; Marie Tully, soprano; Harry Davis.

WJAZ, Chicago, Ill. (322.4m-930kc), 9-1 a. m., diversified studio and dance program, Club Chez Pierre.

WJJD, Mooseheart, Ill. (370.2m-810kc), 12-1 p. m., Palmer House Symphonic players; Palmer House trio; 2-3, Howard L. Peterson, organist; 4-5, music, Mooseheart children; 5:30-7, Jack Nelson; Palmer House symphonic players; Palmer House Victorians; Howard L. Peterson, organist; 8-9, children; 10-11, Garod studio; Rushmore ensemble singers; Palmer House Victorians; 12:30 a. m., Knights of the Burning Candle.

WLIB, Chicago, Ill. (302.8m-990kc), 11-1 a. m., dance

MY

POPU

Saturday, Fe

Eastern	Central
7:30 p. m.	6:30 p. m.
WFAA.	
8	7
WAMD, WLS.	
9	8
WBBM, WEAF, WENR, WNYC.	
10	9
KFAB, KPRC, WBBM, WLS, WMBB, WREO.	
11	10
KFVE, KFWB, KNX, K WOK, WQJ, WRC.	
12	11
KNX, KOIL, KPO, KPRC, WOAW, WOK, WQJ.	
1 a. m.	12 m.
KFWB, WDAF, WBBM, WQJ, WSAI.	
2	1 a. m.
KNX, WBBM, WEBH, W	

Sunday, Fe

Eastern	Central
9 p. m.	8 p. m.
WBBM.	
10	9
WBBM, WMBB.	
11	10
WMBB.	
12	11
KNX, KTHS.	
1 a. m.	12 m.
KFWB, WBBM.	
2	1 a. m.
KFWB.	

Monday,

Eastern	Central
7 p. m.	6 p. m.
WBBM, WFAA, WOAW	
8	7
WGBS.	
9	8
WCAU, WEAF, WGR, W	
10	9
KFAB, WEBH, WGR, W WOK, WSOE.	
11	10
KFAB, KFVE, WOK.	
12 m.	11
KLX, KNX, KOIL, WAM	
1 a. m.	12 m.
KFWB, KLX, WAHG, WOK.	
2 a. m.	1 a. m.
KFWB.	

Tuesday,

Eastern	Central
7 p. m.	6 p. m.
WMCA, WOAW.	
8	7
WBBM, WEAR.	
9	8
WBBM, WEAR, WBZ,	
10 p. m.	9 p. m.
WBBM, WEBH, WMMB	

Monday,

Weems' Victor Recording o chestra; Jack Little.

WFAA, Dallas, Tex. (475.9
Paul D. Ray, pianist; 4:30-5, assisting musicians; 6:30-7:30, m... Herron, director; 8:30-9:30, Sears-Roe...

WHAS, Louisville, Ky. (399.8m-750kc), 1 cert, Royal Peacock orchestra; 3-3:30, organist; 4-5, concert.

WHB, Kansas City, Mo. (365.6m-820kc) Radio trio; 7-8, orchestra; Gertrude I tralto.

WHO, Des Moines, Iowa (526m-570kc), George Getsey; 7:30-8, Paul Stoye, pia poser; 8-8:20, program, Rhena Hayward, 9, Joseph Gifford, reader; Mary Burns prano; 11-12, L. Carlos Meier, organist.

WKAF, Milwaukee, Wis. (261m-1150kc), Diefenthaeler program.

WLS, Chicago, Ill., (344.6m-870kc), 6 p. 6:40, Ralph Emerson, organist; 7, lulla "Common Sense of Music," Dr. S. Spa

WLW, Cincinnati, Ohio (422.3m-710kc), ard Thurston, magician; 7, Hotel Gi 7:30, theatrical feature; 8, Cincinnati chestra; Howard Hafford, tenor; Lydia tura soprano.

WMAQ, Chicago, Ill. (447.5m-670kc), 4:35 Glenn Dillard Gunn School of Musi theater organ recital; 6:30, Hotel La

WMC, Memphis, Tenn. (499.7m-600kc), 8: tette ensemble.

WOAI, San Antonio, Tex. (394.5m-760 musical program.

WOAW, Omaha, Nebr. (526m-570kc), 12: dall's Royal Fontenelle orchestra; 6:20, Frank Peterson tenor; Helen Higgins, Randall's Royal Fontenelle orchestra;

WOC, Davenport, Ia. (483.6m-620kc), chimes concert.

WOI, Ames, Iowa (270m-1110kc), 7:50 program.

WSAI, Cincinnati, Ohio (325.9m-920kc), Cincinnati Community program.

WSB, Atlanta, Ga. (468.5m-640kc), 8 p. Crindle, Scotch balladist; 10:15, Happy

WSM, Nashville, Tenn. (282.8m-1060kc) Francis Craig's orchestra; 8, progra Music club; 10, Vito Pellettieri and or

WSUI, Iowa City, Iowa (483.6m-620kc), songs, Scotty Maxwell.

Mountain Time Statio.

CFAC, Calgary, Can. (434.5m-690kc), 9 p. m., trio.

KFWA, Ogden, Utah (261m-1150kc), 4-5 p. m., or recital, Paramount theater; 5-6, Ogden Radio deale program.

KFXF, Colorado Springs, Colo. (250m-1200kc), 8:30-10:30 p. m., musical program.

KOA, Denver, Colo. (322.4m-930kc), 12:45 p. m., Rialto theater organ recital, Marjorie Nash; 6:30, dinner concert, Brown Palace string orchestra; 8:30, KOA orchestra, artists; 9:30, "A Step On the Stairs," Radio Digest serial mystery play; miscellaneous music, orchestra, artists.

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 5:30-6 p. m., Owen Fallon's Californians; 7-8, Medley Brothers in banjo duets; Chas. D. McRoy and his fleet of harmonicas; 8-9, Packard Eight orchestra; 9-10, Pryor Moore concert orchestra; 10-11, popular program, Meiklejohn Bros.

KFOA, Seattle, Wash., (454.3m-660kc), 7-8:15 p. m., Sherman Clay and company; 8:15-8:30, industrial news; 8:30-10, Time- studio program.

KFON, Long Beach, Cal., (232.4m-1290kc), 6-6:30

9	8	7	6
WBZ (344.6m-870kc) Varied quartets.			
9:30	8:30	7:30	6:30
WGHB (266m-1130kc) Homer Moore, singer.			
10:50	9:50	8:50	7:50
KTHS (374.8m-800kc) Bradley quartet.			
11	10	9	8
KGO (361.2m-830kc), Jim Madison.			
11:45	10:45	9:45	8:45
WSB (428.3m-700kc) Oglethorpe university quartet.			
1:30 a. m.	12:30 a. m.	11:30	10:30
WJJD (370.2m-810kc) Knights of the Burning Candle.			

Tuesday, silent night for: CFCA, CHIC, CKNC, CKY, CNRC, CNRE, CNRM, CNRO, CNRW, CNRT, KFKX, KFKU, KUOA, KFUO, KFWA, KYX, KOA, KOAC, KOB, KOWW, KUOM, KWSC, WABQ, WAHG, WAMD, WBBR, WCAD, WCAL, WCAP, WGCP, WGST, WHAD, WHAZ, WJAD, WJAZ, WKAF, WKAQ, WLWL, WOI, WOS, WRVA, WSUI, WTAM, WTIC.

11:45-1, Radio Ramblers.

WGHP, Detroit, Mich. (270m-1110kc), 6-7 p. m., dinner concert, Hotel Tuller; 7:40-7:50, children's evening chat; 8-10, Skylark dance band; 12-1 a. m., Gerald Marks and his orchestra, assisting artists.

WGR, Buffalo, N. Y. (319m-940kc), 2:30 p. m., WGR's afternoon program.

WGY, Schenectady, N. Y. (379.5m-790kc), 2:30 p. m., Stephen E. Boisclair, organist; 6:30, dinner program, Porter E. Potts' Hotel Van Curler orchestra; 7:45, Marine band; 9:30, WGY orchestra.

WHAR, Atlantic City, N. J. (275m-1090kc), 2 p. m., Seaside hotel trio; 8, Seaside hotel trio.

WIP, Philadelphia, Pa. (508.2m-590kc), 1 p. m., organ recital; 3, recital, John Thoms' studio; Dorothy Githens, soprano, Flora Ripka, pianist; 6:15, Nelson Maples and his S.S. Leviathan orchestra; 7, the Happy entertainers; 8, dramatic review, Elliott Lester; 8:15, University of Pennsylvania band; Pitman community chorus; 10:30, Pagoda cafe dance orchestra.

ganist.

KMA, Shenandoah, Iowa (252m-1190kc), 11:30-12:30 p. m., noonday rural program; request songs, Mrs. May; 6-8, May Flower trio; May's Flower lady, Lina Ferguson; 9-11, May's Mandolin musicians.

KPRC, Houston, Tex. (296.9m-1010kc), 7:30 p. m., Ralph Park's Casino Beautiful orchestra; 8:30, Skyline studio program, celebration of Texas Independence.

KSO, Clarinda, Iowa (241.8m-1240kc), 7 p. m., 10, Florida-Bound concerts.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9-9:30 p. m., solo revue, Eastman hotel artists; 9:30, organ recital, Lawson Reid; 9:50, Bradley quartet; 10:30-11, dance concert, Meyer Davis' New Arlington hotel orchestra.

KYW, Chicago, Ill. (536m-560kc), 12:05-1 p. m., noonday concert; 1-2, luncheon concert, Congress hotel; 4, afternoon frolic; 6-7, dinner music; 8-9, musical program, Congress hotel; 10, evening at home; 1 a. m., Insomnia club.

MYSTERY SERIAL PLAY "A STEP ON THE STAIRS" BEGINS NATION WIDE

POPULAR CONCERTS INDEX

Saturday, February 27

Eastern	Central	Mountain	Pacific	Stations
7:30 p. m.	6:30 p. m.	5:30 p. m.	4:30 p. m.	WFAA.
8	7	6	5	WAMD, WLS.
9	8	7	6	WBBM, WEAF, WENR, WGBS, WLS, WMAQ, WNYC.
10	9	8	7	KFAB, KPRC, WBBM, WEBH, WENR, WGN, WLS, WMBB, WREO.
11	10	9	8	KFVE, KFWB, KNX, KTHS, WBBM, WMBB, WOK, WQJ, WRC.
12	11	10	9	KNX, KOIL, KPO, KPRC, WBBM, WEBH, WLS, WOAW, WOK, WQJ.
1 a. m.	12 m.	11	10	KFWB, WDAF, WBBM, WEBH, WENR, WOK, WQJ, WSAI.
2	1 a. m.	12 m.	11	KNX, WBBM, WEBH, WENR, WQJ.

Sunday, February 28

Eastern	Central	Mountain	Pacific	Stations
9 p. m.	8 p. m.	7 p. m.	6 p. m.	WBBM.
10	9	8	7	WBBM, WMBB.
11	10	9	8	WMBB.
12	11	10	9	KNX, KTHS.
1 a. m.	12 m.	11 p. m.	10	KFWB, WBBM.
2	1 a. m.	12 m.	11	KFWB.

Monday, March 1

Eastern	Central	Mountain	Pacific	Stations
7 p. m.	6 p. m.	5 p. m.	4 p. m.	WBBM, WFAA, WOAW.
8	7	6	5	WGBS.
9	8	7	6	WCAU, WEAF, WGR, WKRC, WOK.
10	9	8	7	KFAB, WEBH, WGR, WKRC, WMCA, WOAW, WOK, WSOE.
11	10	9	8	KFAB, KFVE, WOK.
12 m.	11	10	9	KLX, KNX, KOIL, WAMD, WEBH, WHO, WOK.
1 a. m.	12 m.	11	10	KFWB, KLX, WAHG, WDAF, WHT, WKRC, WOK.
2 a. m.	1 a. m.	12 m.	11	KFWB.

Tuesday, March 2

Eastern	Central	Mountain	Pacific	Stations
7 p. m.	6 p. m.	5 p. m.	4 p. m.	WMCA, WOAW.
8	7	6	5	WBBM, WEAR.
9	8	7	6	WBBM, WEAR, WBZ, WSB.
10 p. m.	9 p. m.	8 p. m.	7 p. m.	WBBM, WEBH, WMMB, WOAW.
11 p. m.	10 p. m.	9 p. m.	8 p. m.	KFVE, KFWB, KNX, WBBM, WHT, WMBB, WOK, WQJ.
12 m.	11	10	9	KNX, KOIL, KPO, WAMD, WBBM, WEBH, WEBH, WKRC, WMC, WOK, WQJ.
1 a. m.	12 m.	11	10	KFWB, KNX, WFAA, WHT, WOAW, WOK, WQJ.
2	1	12 m.	11	KFWB, WQJ.

Wednesday, March 3

Eastern	Central	Mountain	Pacific	Stations
8 p. m.	7 p. m.	6 p. m.	5 p. m.	KFNF, WAHG, WEBJ, WEEI, WMCA.
9	8	7	6	WBBM, WEBJ, WGCP, WNYC.
10	9	8	7	KFAB, KPRC, WBBM, WEBH, WGCP, WHO, WMBB.
11	10	9	8	KFAB, KFVE, KGW, KPO, KWSC, KYW, WBBM, WHN, WMBB, WOK, WQJ.
12 m.	11	10	9	KFWA, KFWB, KNX, KYW, WAMD, WEBH, WOK, WQJ, WSAI.
1 a. m.	12 m.	11	10	KNX, KYW, WBBM, WHT, WOK, WQJ.
2	1 a. m.	12 m.	11	KFWB, KNX, WBBM, WOK, WQJ.

Thursday, March 4

Eastern	Central	Mountain	Pacific	Stations
8 p. m.	7 p. m.	6 p. m.	5 p. m.	WCAE, WEAF, WJAR, WMC, WOC, WSAI.
9	8	7	6	WBBM, WHAD.
10	9	8	7	KMA, WBBM, WEBH, WEEI, WHAD, WHN, WMBB, WMC, WNYC, WOAW, WSOE.
11	10	9	8	KHJ, KMA, KYW, WBBM, WMBB, WOK, WQJ.
12 m.	11	10	9	KHJ, KTAB, KOIL, WBBM, WDAF, WEBH, WFAA, WKRC, WOC, WOK, WQJ.
1 a. m.	12 m.	11	10	KFWB, KHJ, WHT, WOK, WQJ.
2	1 a. m.	12 m.	11	KNX, WQJ.

Friday, March 5

Eastern	Central	Mountain	Pacific	Stations
8 p. m.	7 p. m.	6 p. m.	5 p. m.	WGCP, WJR.
9	8	7	6	WAMD, WBBM, WGR, WLS.
10	9	8	7	KFAB, WBBM, WEBH, WMC, WDAF, WHAD, WMBB, WOAW, WSOE.
11	10	9	8	KFVE, KFWA, KHJ, KLX, KYW, WMBB, WOK, WQJ
12 m.	11	10	9	KFWB, KHJ, KNX, KOIL, WAMD, WEBH, WMC, WOK, WQJ.
1 a. m.	12 m.	11	10	KFWB, KHJ, WDAF, WHT, WOK, WQJ.
2	1 a. m.	12 m.	11	KNX, WQJ.

Monday, March 1

Weems' Victor Recording orchestra; Ben Bernie's orchestra; Jack Little

WFAA, Dallas, Tex. (475.9m-630kc), 12:30-1 p. m., Paul D. Ray, pianist; 4:30-5, Cyrus Barcu, cornetist, assisting musicians; 6:30-7:30, municipal band, Mort Herron, director; 8:30-9:30, Sears-Roebuck program.

WHAS, Louisville, Ky. (399.8m-750kc), 1-2 p. m., concert, Royal Peacock orchestra; 3-3:30, Myrtle Zahn, organist; 4-5, concert.

WHB, Kansas City, Mo. (365.6m-820kc), 2-3 p. m., Radio trio; 7-8, orchestra, Gertrude Koehring, contralto.

WHO, Des Moines, Iowa (526m-570kc), 2:15 p. m., George Getsey; 7-8:8, Paul Stover, pianist and composer; 8-8:20, program, Rhena Hayward, director; 8:20-9, Joseph Gifford, reader; Mary Burns McClain, soprano; 11-12, L. Carlos Meier, organist.

WKAF, Milwaukee, Wis. (261m-1150kc), 10-11 p. m., Diefenthaeler program.

WLS, Chicago, Ill. (344.6m-870kc), 6 p. m., WLS trio; 6:40, Ralph Emerson, organist; 7, lullaby time; 7:20, "Common Sense of Music," Dr. S. Spaeth.

WLW, Cincinnati, Ohio (422.3m-710kc), 6 p. m., Howard Thurston, magician; 7, Hotel Gibson orchestra; 7:30, theatrical feature; 8, Cincinnati Times-Star orchestra; Howard Hafford, tenor; Lydia Dozier, coloratura soprano.

WMAQ, Chicago, Ill. (447.5m-670kc), 4:35 p. m., pupils, Glenn Dillard Gunn School of Music; 6, Chicago theater organ recital; 6:30, Hotel La Salle orchestra.

WMC, Memphis, Tenn. (499.7m-600kc), 8:45 p. m., Cortese ensemble.

WOAI, San Antonio, Tex. (394.5m-760kc), 3 p. m., musical program.

WOAW, Omaha, Nebr. (526m-570kc), 12:45 p. m., Randall's Royal Fontenelle orchestra; 6:20, popular songs; Frank Peterson, tenor; Helen Higgins, pianist; 6:50, Randall's Royal Fontenelle orchestra; 9, classical.

WOC, Davenport, Ia. (483.6m-620kc), 5:45-6 p. m., chimes concert.

WOI, Ames, Iowa (270m-1110kc), 7:30 p. m., musical program.

WSAI, Cincinnati, Ohio (325.9m-920kc), 10-11 p. m., Cincinnati Community program.

WSB, Atlanta, Ga. (468.5m-640kc), 8 p. m., John McCrindle, Scotch balladist; 10:45, Happy Four quartet.

WSM, Nashville, Tenn. (282.8m-1060kc), 6:30 p. m., Francis Craig's orchestra; 8, program, Wednesday Music club; 10, Vito Pellettieri and orchestra.

WSUI, Iowa City, Iowa (483.6m-620kc), 10 p. m., Scotch songs, Scotty Maxwell.

Mountain Time Stations

CFAC, Calgary, Can. (434.5m-690kc), 9 p. m., concert trio.

KFWA, Ogden, Utah (261m-1150kc), 4-5 p. m., organ recital, Paramount theater; 5-6, Ogden Radio dealers program.

KFXF, Colorado Springs, Colo. (250m-1200kc), 8:30-10:30 p. m., musical program.

KOA, Denver, Colo. (322.4m-930kc), 12:15 p. m., Rialto theater organ recital, Marjorie Nash; 6:30, dinner concert, Brown Palace string orchestra; 8:30, KOA orchestra, artists; 9:30, "A Step On the Stairs," Radio Digest serial mystery play; miscellaneous music, orchestra, artists.

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 5:30-6 p. m., Owen Fallon's Californians; 7-8, Mosley Brothers in banjo duets, Chas. D. McRoy and his fleet of bar monkeys(?); 8-9, Packard Eight orchestra; 9-10, Pryor Moore concert orchestra; 10-11, popular program, Meiklejohn Bros.

KFOA, Seattle, Wash. (454.3m-660kc), 7-8:15 p. m., Sherman Clay and company; 8:15-8:30, industrial news; 8:30-10, Times studio program.

KFON, Long Beach, Cal. (232.4m-1290kc), 6-6:30 p. m., Brayton's theater organ; 7-8, Investors' hour with music; 8-9, program from Municipal Auditorium; 8-11, dance music.

KFWB, Hollywood, Calif. (252m-1190kc), 7:30-8 p. m., program, Dr. Ralph Mitchell, Friendly Dentists orchestra, Bill Blake, tenor; 8-9, Bill Hatch's Oakmont Country club orchestra; Dan Gridley, tenor; 9-10, program, Million Dollar Four orchestra; Sol Hoopii's Hawaiians, Ashley Sisters in vocal duets; 10-11, Warner Brothers frolic.

KGO, Oakland, Calif. (361m-830kc), 3-4 p. m., Madeline Slyser, violinist; Howard Xepler, baritone; Caroline Irons, pianist, presenting Lena Minehart; 6-6:55, twilight concert; 8-9, music, Amphion trio.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert, Olds Wortman and King company; 8-9, concert, Willys-Overland Pacific company; 9-10, studio concert.

KJR, Seattle, Wash. (384.4m-780kc), 1:30-3 p. m., musical program; 7-8:30, Sears-Roebuck program; Mendelssohn trio; 8:30-10, Post-Intelligencer program.

KMTR, Hollywood, Calif. (238m-1260kc), 7:15 p. m., Y. M. C. A. hour; 8-10, KMTR concert orchestra, Loren Powell, director; 10-11, Starr Piano company studio.

KNX, Hollywood, Calif. (336.9m-890kc), 5:30 p. m., Leighton's Arcade cafeteria orchestra; 6:30-7, Atwater Kent orchestra; 7-7:30, Mutual Motors mirth contest; 7:30-8, studio program; 8-9, program, L. W. Stockwell company; 9-10, KNX feature hour; 10-11, Goodrich Silvertown Cord dance orchestra; Lilyan May Challenger, contralto; 11-12, Cocoanut Grove dance orchestra.

KPO, San Francisco, Calif. (428.3m-700kc), 1-2 p. m., Rudy Seiger's Fairmont hotel orchestra; 2:30-3:30, matinee program; 6:10-7, Waldemar Lind and the States restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel orchestra; 8-9, Uda Waldrop, organist; 10-11, Cabiria cafe orchestra.

KQP, Portland, Ore. (319m-940kc), 8-9 p. m., studio program; 9-10, studio program.

KTAB, Oakland, Calif. (240m-1250kc), 8-10 p. m., Boulevard players.

KWSC, Pullman, Wash. (348.6m-860kc), 7:30-9 p. m., program, St. John.

Tuesday, March 2

Headliners Today

Eastern	Central	Mountain	Pacific
7:45 p. m.	6:45 p. m.	5:45 p. m.	4:45 p. m.

WTAG (268m-1120kc) "The Romance of Numbers."

Eastern	Central	Mountain	Pacific
8:15	7:15	6:15	5:15

WGBS (315.6m-950kc) Jigs and reels.

Eastern	Central	Mountain	Pacific
8:30	7:30	6:30	5:30

WHAS (399.8m-750kc) Zoeller's Melodists.
WRC (468.5m-640kc) Philharmonic society.

Eastern	Central	Mountain	Pacific
9	8	7	6

WBZ (344.6m-870kc) Varied quartets.

Eastern	Central	Mountain	Pacific
9:30	8:30	7:30	6:30

WGHB (266m-1130kc) Homer Moore, singer.

Eastern	Central	Mountain	Pacific
10:50	9:50	8:50	7:50

KTHS (374.8m-800kc) Bradley quartet.

Eastern	Central	Mountain	Pacific
11	10	9	8

KGO (361.2m-830kc), Jim Madison.

Eastern	Central	Mountain	Pacific
11:45	10:45	9:45	8:45

WSB (428.3m-700kc) Oglethorpe university quartet.

Eastern	Central	Mountain	Pacific
1:30 a. m.	12:30 a. m.	11:30	10:30

WJJD (370.2m-810kc) Knights of the Burning Candle.

Tuesday, silent night for: CFCA, CHIC, CKNC, CKY, CNRC, CNRE, CNRM, CNRO, CNRW, CNRT, KFKX, KFKU, KUOA, KFUO, KFWA, KYX, KOA, KOAC, KOB, KOWW, KUOM, KWSC, WABQ, WAHG, WAMD, WBBR, WCAD, WCAL, WCAP, WGCP, WGST, WHAD, WHAZ, WJAD, WJAZ, WKAF, WKAQ, WLWL, WOI, WOS, WRVA, WSUI, WTAM, WTIC.

Eastern Time Stations

CFCA, Toronto, Can. (356.9m-840kc), 5:15 p. m., R. S. Seyring, international accordionist and composer.

KDKA, Pittsburgh, Pa. (309.1m-970kc), 12:20 p. m., Trinity Church Lenten service; 6:30, dinner concert; 8:30, sacred song half-hour; 9, KDKA Little symphony orchestra; 11:35, Grand theater concert.

WBAL, Baltimore, Md. (246m-1220kc), 6:30-7:30 p. m., WBAL dinner orchestra; 7:30-8, quartet; 8-9, musical program; Marion McFall Kaye, soprano; James Wilkinson, baritone; George Bolek, pianist; 9-10, WBAL string trio; Philip Jeffreys, pianist.

WBZ, Springfield, Mass. (333.1m-900kc), 6:30 p. m., Hotel Lenox ensemble.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:45 p. m., Hotel Pennsylvania concert orchestra; 7:30, recital, N. Snellenburg and company; 8:10, the Three Brothers; 9, Robert Fraser, blind Gospel singer; 9:30, the Sea Gulls; 10, Ed McCauley and his pals; Cathay Garden dance orchestra.

WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., dinner program, Goldkette's ensemble; 8-9, studio program.

WDBO, Winter Park, Fla. (239.9m-1250kc), 9-10:30 p. m., entertainment.

WEAF, New York, N. Y. (491.5m-610kc), 11:50 a. m., Leo J. F. Bartunique, baritone; 4 p. m., Adamo trio, 4:30, women's program, under auspices of Women's League of United Synagogue of America; 5, Vincent Lopez and orchestra from Tea Room of Hotel Ritz-Carlton; 6, dinner music, Hotel Waldorf-Astoria; 7, John Booth, baritone; 7:30, a half-hour with American composers; 8, Blue Ribbon male quartet, WEAF, WEEI, WFI, KSD, WCAE, WWJ, WGR; 8:30, Gold Dust Twins, WEAF, WEEI, WFI, WCAE, WGR, WWJ, WOC, WJAR, WCCO, WLIB, WEAR, KSD; 9, Eveready hour, WEAF, WEEI, WFI, WCAE, WGR, WWJ, WOC, WJAR, WCCO, WTAG, WGN, WEAR, WSAI, KSD; 10, auction bridge game, WEAF, WEEI, WFI, WGR, WCCO, WSAI, WOC, WWJ; 10:30, Vincent Lopez and orchestra from Casa Lopez, New York city, WEAF, WFI, WWJ, WGR, WCAE, WTAG, KSD; 11-12, Ross Gorman and orchestra from Monte Carlo.

WEAR, Cleveland, Ohio (389.4m-770kc), 7 p. m., State theater vaudeville and music; 8, studio program; 10, program; 11, Wormack's singing syncopators.

WEBJ, New York, N. Y. (272.6m-1100kc), 7 p. m., Barnett's orchestra; 7:45, Milton Yoheman, tenor; 8:15, Jeanne A'Dair, singing composer; 8:30, Lehigh serenaders.

The wife of a magician, Mrs. Howard Thurston, above, will be interviewed by Alvin Plough at WLW, Monday evening, March 1. Mr. and Mrs. Thurston are giving talks on magic this week at WLW. The attractive couple in the center is red-headed June Pursell, who sings at KNX, Hollywood, and Ron Wilson, her accompanist.

WEEI, Boston, Mass. (348.6m-860kc), 1 p. m., assembly luncheon; 3:05, Eugene's singing orchestra; 5, Joe Herlihy's Collegians; 6:05, George Joy, Nell Cantor, popular songs; 7:30, Philip Dundon, baritone, George Brigandi, violinist; Dorothy L. Higgins, accompanist.

WFI, Philadelphia, Pa. (394.5m-760kc), 1 p. m., Tea Room ensemble; 3, "Stevens Harmony Crew"; 6:30 Bellevue-Stratford concert orchestra; 7, Bellevue-Stratford dance orchestra.

WGBS, New York, N. Y. (315.6m-950kc), 1:30 p. m., Jeanne A'Dair, singer; 3:10, program, Dorothy Herzog, Gwendolyn Stocking, mezzo-soprano; 6:30, "The Court-Yard Singer"; 7, Arrowhead Inn concert orchestra; 8:15, Irish program, Joe Flanagan, accordion jigs and reels; Charlie Bender, pianist; Maura Canning, contralto; 8:45, the Threshold players; 9, Crystal Palace orchestra; 9:40, string trio.

WGCP, New York, N. Y. (252m-1190kc), 3 p. m., Eva Rothenberg, planologue; 3:20, Isabelle Henderson, soprano; 3:35, Twentieth Century entertainers; 4:15, Leslie McLeod, tenor; 4:30, Max Heitt, violinist; 4:45, Ukulele Bob McDonald.

WGHB, Clearwater, Fla. (266m-1130kc), 6:30-7:30 p. m., dinner music; 8:30-9:30, Homer Moore singers; 11:45-1, Radio Ramblers.

WGHP, Detroit, Mich. (270m-1110kc), 6-7 p. m., dinner concert, Hotel Tuller; 7:40-7:50, children's evening chat; 8-10, Skylark dance band; 12-1 a. m., Gerald Marks and his orchestra, assisting artists.

WGR, Buffalo, N. Y. (319m-940kc), 2:30 p. m., WGR's afternoon program.

WGY, Schenectady, N. Y. (379.5m-790kc), 2:30 p. m., Stephen E. Boisclair, organist; 6:30, dinner program, Porter E. Potts' Hotel Van Curler orchestra; 7:15, Marine band; 9:30, WGY orchestra.

WHAR, Atlantic City, N. J. (275m-1090kc), 2 p. m., Seaside hotel trio; 8, Seaside hotel trio.

WIP, Philadelphia, Pa. (508.2m-590kc), 1 p. m., organ recital; 3, recital, John Thoms' studio; Dorothy Githens, soprano, Flora Ripka, pianist; 6:15, Nelson Maples and his S.S. Leviathan orchestra; 7, the Happy entertainers; 8, dramatic review, Elliott Lester; 8:15, University of Pennsylvania band; Pitman community chorus; 10:30, Pagoda cafe dance orchestra.

WJAX, Jacksonville, Fla. (336.9m-890kc), 3:30 p. m., Hemming Park band concert, Vessella's band, Oreste Vessella, conductor; 7:30, music memory concert; 8-9, popular program; 11-12, popular program.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Stormfeltz-Loveley entertainers; 9, Michigan night.

WJZ, New York, N. Y. (454.3m-660kc), 1 p. m., Hotel Pennsylvania concert orchestra; 4:30, Hotel Commodore concert orchestra; 7:30, U. S. marine band; 10:45, George Olsen's Hotel Pennsylvania grill orchestra.

WLIT, Philadelphia, Pa. (394.5m-760kc), 11 a. m., organ recital, Stanley theater; 2 p. m., Arcadia cafe concert orchestra; 7:30, Dream Daddy's bedtime stories.

WMAK, Buffalo, N. Y. (266m-1130kc), 6:15-7:15 p. m., dinner music

WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Olcott Vail and his Hotel McAlpin string ensemble; 6:30, Woodmansten Inn orchestra; 7, Jack Denny's orchestra; 8:15, Landay Revellers; 9:15, Palmer pen lesson; 10:30, Tango Garden orchestra; 11, Ernie Golden and his Hotel McAlpin orchestra; 12, McAlpin entertainers.

WNYC, New York, N. Y. (526m-570kc), 7:35 p. m., the Canadians; 9, Kings County Grand Jurors' association.

WOO, Philadelphia, Pa. (508.2m-590kc), 11 a. m., organ recital; 12:02 p. m., Crystal Tea Room orchestra, Robert E. Golden, director; 4:45, organ recital; 7:30, Hotel Adelphia dance orchestra.

WOR, Newark, N. J. (405.2m-740kc), 6:15 p. m., Bill Wathey's sport talk; 6:15-7:15, Copenhagen quartet.

WPG, Atlantic City, N. J. (299.8m-1000kc), 6:45 p. m., Arthur Scott Brook, organist; 7, Elks' Home music; 8:15, Cecile Steiner, violinist; Margaret Irwin, pianist; James A. Way, tenor; 9, Chalfonte-Haddon Hall dual trio; 10, Hotel Traymore orchestra; 10:30, Karl Bonawitz, pianist; 11, Silver Slipper supper club orchestra.

WRC, Washington, D. C. (468.5m-640kc), 12 noon, George F. Ross, organist; 12:30 p. m., Lenten services; 1, Hotel Washington orchestra; 7:30, concert, U. S. Marine band orchestra; 10:30, Hotel Mayflower orchestra; 11:30, Otto F. Beck, organist.

WTAG, Worcester, Mass. (268m-1120kc), 12:05-2 p. m., noon-day luncheon music, WTAG orchestra; 10:30-11, Vincent Lopez and his orchestra.

WWJ, Detroit, Mich. (352.7m-850kc), 12:05 p. m., Jules Klein's Hotel Statler orchestra; 3, Detroit News orchestra; 6, dinner concert.

Central Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., dinner concert; 8:05-10:30, program, University of Nebraska.

KFDM, Beaumont, Tex. (315.6m-950kc), 8-10 p. m., Schubert's ensemble.

KFUO, Fayetteville, Ark. (299.8m-1000kc), 8 p. m., university student orchestra.

KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., concert, Adams Brothers.

KFRU, Columbia, Mo. (499.7m-600kc), 4:30 p. m., Bella Vista Quadrangle orchestra; 6:15, dinner music.

KLDS, Independence, Mo. (441m-680kc), 2:30 p. m., matinee program; 8:15, concert; Herbert Johnson, organist.

KMA, Shenandoah, Iowa (252m-1190kc), 11:30-12:30 p. m., noonday rural program; request songs, Mrs. May; 6-8, May Flower trio; May's Flower lady, Lina Ferguson; 9-11, May's Mandolin musicians.

KPRC, Houston, Tex. (296.9m-1010kc), 7:30 p. m., Ralph Park's Casino Beautiful orchestra; 8:30, Skyline studio program, celebration of Texas independence.

KSO, Clarinda, Iowa (241.8m-1240kc), 7 p. m., 10, Florida-Bound concerts.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9-9:30 p. m., solo revue, Eastman hotel artists; 9:30, organ recital, Lawson Reid; 9:50, Bradley quartet; 10:30-11, dance concert, Meyer Davis' New Arlington hotel orchestra.

KYW, Chicago, Ill. (536m-560kc), 12:05-1 p. m., noonday concert; 1-2, luncheon concert, Congress hotel; 4, afternoon frolic; 6-7, dinner music; 8-9, musical program, Congress hotel; 10, evening at home; 1 a. m., Insomnia club.

DANCING

Central Time

Saturday, February 27: 8, Wjr, Wnyc, Wpg; 8:30, Wfaa; 8:35, Wgy; 9, Webh, Weei, Wmbb, Wnyc, Wreo; 9:10, Kths, Wip; 9:30, Kths, Wgbs, Wor, Wsr; 10, Kfve, Kfwa, Koa, Kpo, Weaf, Wgn, Wjr, Wkrc, Wmca, Wnyc, Wor, Wqj, Wreo, Wtam; 10:05, Wcco; 10:30, Wamd; 10:45, Wls; 11, Kfng, Kfwa, Kfwb, Kpo, Webh, Wfaa, Wgbu, Who, Woc; 11:30, Kfoa; 11:45, Wdaf; 12, Kfwa, Kgo, Kgw, Knx, Wgbu, Wjjd.

Monday, March 1: 8, Wgcp; 9, Weei, Wgbu, Wjar, Wor; 9:15, Wahg; 10, Kths, Wgbu, Wgcp, Wgr, Wnyc, Wpg; 10:15, Wor; 10:30, Kfoa, Wgcp, Whn; 11, Kgw, Koil, Wgbu, Wgcp, Wgr, Whn, Who; 11:45, Wdaf; 12, Knx, Kpo.

Tuesday, March 2: 9, Webh, Wgbu, Wmbb; 9:30, Whn, Wgbs, Wgy, Wip; 9:35, Wnyc; 10, Kfve, Wbbm, Weaf, Webb, Wgbu, Wgn, Whn, Wmca, Wnyc, Wpg; 10:15, Kths; 10:30, Kfds, Whn; 10:45, Wsb; 11, Kgw, Koil, Wgbu, Whn; 11:30, Kfoa; 11:45, Wdaf; 12, Kgw, Khj, Knx, Kpo, Wdaf; 1, Wqj.

Wednesday, March 3: 9, Wea, Webh, Wgbu, Wgcp, Whn, Who, Wmbb, Wmca, Wtic; 9:15, Wahg; 9:30, Wbap, Who, Wor; 10, Kfve, Wbap, Weaf, Wgbu, Wgcp, Wqj; 10:05, Wcco; 10:30, Wbap, Whn; 11, Koil, Kpo, Webh, Wgbu, Wgcp, Wgr, Whn; 11:45, Wdaf; 12, Kfwa, Knx, Kpo, Wjjd.

Thursday, March 4: 8, Wjr; 9, Webh, Weei, Wgbu, Whn, Wjr, Wmbb, Wsai, Wtag; 9:05, Wbz, Wip; 9:30, Wgbs, Wgy, Whn; 9:35, Wnyc; 10, Kths, Wbbm, Weaf, Wgbu, Whn, Wmca, Wpg, Wqj; 10:30, Kths, Whn, Webh, Wgbu, Whn, Woc; 11:45, Wdaf; 12, Kgo, Khj, Knx, Kpo, Wjjd.

Friday, March 5: Wwj; 9, Wea, Webh, Weei, Wgbu, Wgcp, Wmbb; 9:15, Wahg; 9:30, Wcau, Whn; 10, Kfve, Kpo, Kths, Wgbu, Wgcp, Whn, Wqj; 10:05, Wcco; 10:30, Wgcp, Whn; 11, Kfwb, Knx, Kpo.

WBAP, Fort Worth, Tex. (475.9m-630kc), 6-6:30 p. m., Chief Gonzales' Texas Hotel Royals; 7:30-8:30, Euterpean club; 9:30-11, Victor B. Acers, Della E. Sappington.

WBBM, Chicago, Ill. (226m-1330kc), 4-6 p. m., concert; 8-9, Sandy and Harry; Moulin Rouge orchestra; Phil Flemming, tenor; Jean St. Anne baritone; Christian A. Grimm, composer-pianist; Bob York, tenor; 9-12, Ariston trio; Pete Kules; Ziegler Sisters; Moulin Rouge orchestra; Vorris Worthley, tenor; Moulin Rouge orchestra; Two Jays; Charlie Garland; Claire Matthews; Earl Bergman, left-hand banjo artist; visualized Hawaiian trio; Vivian Sheffer, contralto; Paul Olson, saxophonist.

WCBD, Zion, Ill. (344.6m-870kc), 8 p. m., ladies' quartet; trombone quartet; clarinet quartet; Fred Faassen, organist; Misses Wiedman, Ludlow and Donovan, trios; Mrs. Thomas and Mrs. Mayfield, duets; Mrs. S. D. Inman, soprano; Miss Peters and Miss Hollingshead, duets; Mrs. Athol Heath, pianist; Mrs. Mable Gustafson, reader.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 2:30 p. m., concert, Dick Long's trio; 6:15-10:05, Wesley Barlow's Nicollet hotel concert orchestra.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., Trianon ensemble; 11:45-1 a. m., Ted Weems' Victor Recording orchestra; Eddie Kuhn's Kansas City Athletic club orchestra; Ted Meyn, organist; Jack Little.

WEBH, Chicago, Ill. (370.2m-810kc), 3-4 p. m., special features; 7, Oriole orchestra; marimba band; saxophone quintet; saxophone quartet; Mark Fisher, songs; Lydia Lochner, contralto; Kathryn Forbes, soprano; 9-9:45, Uptown theater; 11-12:30 a. m., Oriole orchestra; trombone duet, Carl Martin, Roy Maxon; 1, Jack Penewell, Fred Palmiter, Howard Neumiller.

WFAA, Dallas, Tex. (475.9m-630kc), 12:30-1 p. m., Jeff J. Sandell, pianist and singer; 4:30-5, Jack A. Davis, pianist and baritone; Jack Bell, tenor; 6:30-7:30, Baker hotel orchestra; 8:30-9:30, music, Southern Methodist university faculty; 11-12, Harry Hassall, cellist, assisting musicians.

WGN, Chicago, Ill. (302.8m-990kc), 11-11:30 a. m., morning organ concert, Chicago theater, Dean Fossler; 12:40-2:30 p. m., luncheon concert music; 2:30-3, Lyon and Healy artists' recital; 3:25, Port o' Missing Men; 3:30-4:15, tea time music; 4:30-5, organ recital, Edward Benedict; 5:30-5:57, Skeezix time; 6:30-6:45, dinner concert music; 6:45-7, old-time favorite songs; 9-10, Jacques Gordon, violinist; 10-10:10, play shop; 10:10-10:15, old-time favorite songs; 10:15-11, dance music; songs, Correll and Gosden, Freda Leonard and Jewell Barnett.

WHAS, Louisville, Ky. (399.8m-750kc), 1-2 p. m., Benson trio; 3-3:30, organ recital, Myrtle Zahn; 4-5, The Campus Cracks; Wallace Wilson, saxophonist; Walter Haynes, banjoist; Charles O'Connell, pianist; concert, Kentucky Music Teachers' association; concert; 7:30-9, concert, Carl Zoeller's Melodists.

WHB, Kansas City, Mo. (365.6m-820kc), 7-7:30 p. m., Morrill Moore, organist; 8-9, Frank Houston, pianist, Charles Shuttleworth, vocalist; Hawaiian selections artists; 9-10, orchestra.

WHO, Des Moines, Iowa (526m-570kc), 2:15 p. m., George Getsey; 7:30-8, Raleigh quintet; 8-9, musical program; 11-12, Bankers Life "Corn Sugar" orchestra.

WIBO, Chicago, Ill. (220m-1330kc), 2-4 p. m., program for shut-ins; 6-8, dinner concert; American ballads, Walter Preston; WIBO string trio; 3, Bernice Taylor, soprano; Charlotte Edwards, contralto; Eugene Wallenius, tenor; Ruth Goll, pianist; 12, midnight jamboree; Dan Russo, violinist; Ted Fiorito, pianist; Wayne Meyers, reader; Marie Tully, soprano; Harry Davis.

WJAZ, Chicago, Ill. (322.4m-930kc), 9-1 a. m., diversified studio and dance program, Club Chez Pierre.

WJJD, Mooseheart, Ill. (370.2m-810kc), 12-1 p. m., Palmer House Symphonic players; Palmer House trio; 2-3, Howard L. Peterson, organist; 4-5, music, Mooseheart children; 5:30-7, Jack Nelson; Palmer House symphonic players; Palmer House Victorians; Howard L. Peterson, organist; 8-9, children; 10-11, Garod studio; Rushmore ensemble singers; Palmer House Victorians. 12:30 a. m., Knights of the Burning Candle.

WLIB, Chicago, Ill. (302.8m-990kc), 11-1 a. m., dance music, songs, Correll and Gosden; Hawaiian guitar music, Langdon brothers.

WLS, Chicago, Ill., (344.6m-870kc), 6 p. m., WLS trio; 6:40, Ralph Emerson, organist; 7, Ford and Glenn; 7:20, WLS trio; 8:30, "Our Dallas Trip," Ford and Glenn; 9:30, Jaysee male quartet; 10, Nadel's Hawaiian quintet; 10:30, Tony Corcoran, baritone; 11, WLS circus.

WLW, Cincinnati, Ohio (422.3m-710kc), 12 noon, Hotel Gibson orchestra; 4 p. m., talk, Ralph Schmidt; 6, interview, Alvin Plough with Mrs. Howard Thurston, wife of magician; 7:30, piano memories, Mary L. Woseczek; 8, Crosley Burnt Corkers; 9, Formica orchestra.

WMAQ, Chicago, Ill. (447.5m-670kc), 4:15 p. m., Columbia School of Music; 4:45, High School Teachers' council; 6, Chicago theater orchestra; 8:40, U. of C. program; 9:20, music.

WMBB, Chicago, Ill. (250m-1200kc), 7-8 p. m., Trianon duo; Genevieve Burnham, coloratura soprano; Midwest operatic trio, semi-classical program; 9-11, Trianon orchestra, Dell Lampe, director; Woodlawn theater orchestra, Walter Kipp; Oxford Girls; Harmony duo; Joe Warner, character songs; Eddie Matts and Billie Donovan, singing and playing; Ted Graham, baritone; popular program.

WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., musical program, Mrs. O. H. Muehler; 11, midnight frolic.

WOAI, San Antonio, Tex. (394.5m-760kc), 8:30 p. m., Gebhardt Mexican players.

WOAW, Omaha, Nebr. (526m-570kc), 12:45 p. m., Gilbert Jaffy's orchestra; 6, Hugo G. Heyn, xylophonist; Emil B. Hoffman, pianist; 6:50, orchestra; 9, de luxe; 10:30, Herb Feierman's orchestra; 12, Rialto theater alarm.

WOC, Davenport, Iowa (483.6m-620kc), 5:45-6 p. m., chimes concert; 7-7:30, musical program, Blue Ribbon quartet; 7:30-8, musical program; 10:30-11:30, Rathjen's Rainbow orchestra.

WOI, Ames, Iowa (270m-1110kc), 12:30 p. m., college chimes.

WOK, Chicago, Ill. (217.3m-1380kc), 4:30-7 p. m., Capitol theater organ; program; 10-1:30 a. m., Tearney's Town club orchestra; Carl Lorraine's Pershing Palace orchestra; Husk O'Hare's Cocoanut Grove orchestra; Capitol theater program; program.

WORD, Batavia, Ill. (275m-1090kc), 7 p. m., program, Public Service company; 7:45, Bible questions and answers; 9, Webster hotel concert trio; 9:15, program, W. A. Sheaffer Pen company; 11, program, Public Service company.

"Matter-of-fact Eddie" is really E. J. Dunstedter, above, who plays the pipe organ weekly at WCCO. At 11:30 p. m. Wednesday evening Eddie plays for his invisible audience.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., dinner concert, Ralph Williams and his Rainbo Gardens orchestra; Fontella trio; Leo Miller, violinist; Milton Sherman, pianist; 10-1 a. m., Ralph Williams and his Rainbo Skylarks; Ambrose Wyrick, silver-toned tenor; Jerry Sullivan; Rose Vanderbosch, soprano and pianist; Hal Lansing, uke soloist; Everett George Opie, character reader; Merrill Carder, baritone; Ila Shannabrook, soprano; Will Rossiter; Romo Vincent, baritone, Johnny Poats, baritone; 1-2 a. m., Ralph Williams, ginger man.

WSAI, Cincinnati, Ohio (325.9m-920kc), 5:30 p. m., twilight musicale; 7, Mabley and Carew orchestra; 9:30-10, musical program, featuring Hawaiian guitars.

WSB, Atlanta, Ga. (468.5m-640kc), 8 p. m., Lyon and King Deluxe concert; 10:45, Oglethorpe university quartet.

WSM, Nashville, Tenn. (282.8m-1060kc), 10 p. m., Beasley Smith's orchestra.

Mountain Time Stations

CFAC, Calgary, Can. (434.5m-690kc), 8 p. m., program.

KFWA, Ogden, Utah (261m-1150kc), 4-5 p. m., organ recital, Paramount theater; 5-6, Ogden Radio Dealers' program.

KFXF, Colorado Springs, Colo. (250m-1200kc), 8:30-10:30 p. m., soprano solos, Maida E. Taylor; A. L. Murray, baritone solos; Verda McCleray, pianist.

KOA, Denver, Colo. (322.4m-930kc), 12:15 p. m., Rialto theater organ recital, Marjorie Nash; 6:30, dinner concert, Brown Palace string orchestra.

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-640kc), 5:30-6 p. m., matinee program; 6:15, KFI's Seeing California; 6:30, vest pocket program; 6:45, Radiotorial period; 7-8, Al Wesson's dance orchestra; 8-9, Screen Artists' string quartet; Frank Stever, baritone; 9-10, Drury Lennington, tenor; Emma Kimmel, soprano; 10-11, Packard ballad hour, featuring popular songs of the day.

KFON, Long Beach, Calif. (232.4m-1290kc), 6-6:30 p. m., Brayton's theater organ; 6:30-7, amusement information; 7-8, California Foot Warmers' orchestra; 8-9, Press-Telegram studio; 9-11, Long Beach Aero club hi-jinks.

KFWB, Hollywood, Calif. (252m-1190kc), 8-9 p. m., Esther Horowitz, violinist; Jack Smith's dance orchestra with Hazel Thomas, soloist; 9-10, Bill and Tom Mosley, banjo duets; Bill Blake, tenor; Mildred Bragdon, soprano; 10-11, Warner Brothers frolic.

FARMERS' PROGRAMS INDEX

Farmer Dinner Concerts

Daily Except Sunday

CENTRAL TIME

KFNF, 12:15-1:35 p. m.
KMA, 12:30-1:30 p. m.
KSO, 12:30-1:30 p. m.
WLS, 12 noon.

Saturday, February 27

Eastern	Central	Mountain	Pacific	Program
1:45 p. m.	12:45 p. m.	11:45 a. m.	10:45 a. m.	WOI (270m-1110kc) Soils, questions and answers.
8	7	6 p. m.	5 p. m.	KDKA (309.1m-970kc) Farm program.

Sunday, February 28

Eastern	Central	Mountain	Pacific	Program
3:30 p. m.	2:30 p. m.	1:30 p. m.	12:30 p. m.	WFAA (475.9m-630kc) Sunday hour for farmers.

Monday, March 1

Eastern	Central	Mountain	Pacific	Program
1:15 p. m.	12:15 p. m.	11:15 a. m.	10:15 a. m.	WEAO, (293.9m-1020kc) Timely Economic Information for the Farmer, C. J. West. WOC (483.6m-620kc) "Forethought Is Gold at Farrowing Time."
1:35	12:35	11:35	10:35	KSAC (340.7m-880kc) "Potato Seed Treatment," D. Porter. "The One Seedbed Fundamental," H. Sumner.
1:45	12:45	11:45	10:45	WOI (270m-1110kc) Dairy Production. WMAQ (447.5m-670kc) Radio farm school.
7	6	5 p. m.	4 p. m.	WGY (379.5m-790kc) Agricultural program.
7:45	6:45	5:45	4:45	WSOE (246m-1220kc) Hog Raising.
8	7	6	5	KSO (242m-1240kc) Farm talk.
8:15	7:15	6:15	5:15	KSAC (340.7m-880kc) "Concentrates for Fattening Lambs," H. E. Reed. "That Artificial Iron Mother," H. Steup.
8:30	7:30	6:30	5:30	KFUO (299.8m-1000kc) "Farm Filosofy," Cy Adams; "Grapes in Central Arkansas," W. Laughlin. "Extension Schools for Farm Women," Ida Fenton. "Dairy Development in Cleveland County," Joe Pearce. WMC (499.7m-600kc) Talk.
8:45	7:45	6:45	5:45	WCCO (416.4m-720kc) farm vegetable gardening, "Harvesting and Storage," F. Krantz.
9:05	8:05	7:05	6:05	KFAB (340.7m-880kc) "Varieties of Small Grain for Spring Sowing," T. Kiesselbach. "Spring Care of Small Fruits," E. Hoppert.
10	9	8	7	KOAC (280.2m-1070kc) Agricultural question box.

Tuesday, March 2

Eastern	Central	Mountain	Pacific	Program
11:30 a. m.	10:30 a. m.	9:30 a. m.	8:30 a. m.	KFAB (340.7m-880kc) "How Early Shall We Hatch?" F. Musschl.
1:15 p. m.	12:15 p. m.	11:15	10:15	WOC (483.6m-620kc) An Answer to Some of Your Poultry Problems."
1:35	12:35	11:35	[illegible]	KSAC (340.7m-880kc) "Hints for the Lawn," E. Wells. "Poison the Last Gopher before April 15," A. Oman.
1:45	12:45	11:45	10:45	WMAQ (447.5m-670kc) Radio farm school.
7:15	6:15	5:15 p. m.	4:15 p. m.	WKAR (285.5m-1050kc) "Veterinary Course—the Glands That Control Personality," B. Roseboom.
7:30	6:30	5:30	4:30	WKAR (285.5m-1050kc) "Caring for and Feeding of Baby Chicks," Leo Arnold.
7:45	6:45	5:45	4:45	WKAR (285.5m-1050kc) "Insuring the Pig Crop," W. Edwards.
8	7	6	5	KFRU (499.7m-660kc) "Handling the Farm Flock," M. T. Foster. KSAC (340.7m-880kc) "Value of Silo to Dairy Farmer," H. Cave. "The Garden Soil," W. Balch. KSO (242m-1240kc) Farm talk.
9:15	8:15	7:15	6:15	WEAO (293.9m-1020kc) "Fruit: the Trees We Plant," W. Paddock.

Wednesday, March 3

Eastern	Central	Mountain	Pacific	Program
1:15 p. m.	12:15 p. m.	11:15 a. m.	10:15 a. m.	WOC (483.6m-620kc) "Profitable Dairy Feed for Each Month," Prof. O. E. Reed.
1:35	12:35	11:35	10:35	KSAC (340.7m-880kc) "Making the Best Boy Better," M. Coe. "Planting Grapes and Brambles," W. Martin.
1:45	12:45	11:45	10:45	WMAQ (447.5m-670kc) Radio Farm school. WOI (270m-1110kc) Poultry husbandry.
1:50	12:50	11:50	10:50	KFKX (288.3m-1040kc) "A B C's of Dairying," C. Long.
7:15	6:15	5:15 p. m.	4:15 p. m.	WKAR (285.5m-1050kc) "Strength of Material and Dosage in Spraying," W. Dutton. "Strawberries and Strawberry Growing," R. Loree.
9:05	8:05	7:05	6:05	KFAB (340.7m-880kc) "Simple Water Systems for the Farm," I. D. Wood. "Pasture as a Factor in Beef Production," H. Gramlich.

Thursday, March 4

Eastern	Central	Mountain	Pacific	Program
1:15 p. m.	12:15 p. m.	11:15 a. m.	10:15 a. m.	WEAO (293.9m-1020kc) "Vegetables: Blood Tells in Seeds," L. Montgomery. WOC (483.6m-620kc) "Sweet Clover—Does It Have a Place?"
1:35	12:35	11:35	10:35	KSAC (340.7m-880kc) "Managing Setting Hens," D. Taylor. "Onion Culture," A. Schoth.
1:45	12:45	11:45	10:45	WMAQ (447.5m-670kc) Radio farm school. WOI (270m-1110kc) Farm crops.
7:15	6:15	5:15 p. m.	4:15 p. m.	WKAR (285.5m-1050kc) "Timothy vs. Alfalfa for Dairy Cows," J. Hays. "Cottage Cheese and Its Use," P. Lucas. "Feeding Cull Beans," George Taylor.
8 p. m.	7 p. m.	6 p. m.	5:00 p. m.	KSO (242m-1240kc) Farm talk.
9:30	8:30	7:30	6:30	KOA (322.4m-930kc) Farm question box.

Friday, March 5

Eastern	Central	Mountain	Pacific	Program
1:15 p. m.	12:15 p. m.	11:15 a. m.	10:15 a. m.	WOC (483.6m-620kc) Special farm service day.
1:45	12:45	11:45	10:45	WOI (270m-1110kc) Agricultural Economics.
2	1	12 n.	11	KFKX (288.3m-1040kc) Special Farm Service day. "Grow Vegetable Protein to Build Livestock," R. E. Patrick. WMAQ (447.5m-670kc) Radio farm talk.
1:35	12:35	11:35	10:35	KSAC (340.7m-880kc) "Early Care of Pigs," C. Elling. "A Country Rat Round-up," Roy Moore.
7:15	6:15	5:15 p. m.	4:15 p. m.	WKAR (285.5m-1050kc) "Wheat and Chaff," "Certified Seed Potatoes," H. Moore. "Michigan Farmers' Best Sources of Alfalfa Seed," J. Cox. "Corn Growing," P. Smith.
8	7	6	5	KFRU (499.7m-660kc) "Silage," A. C. Ragsdale.
8:15	7:15	6:15	5:15	KSAC (340.7m-880kc) "Tomato Diseases and Their Control," R. White. "Occupants of the Hive," Ralph L. Parker. KSO (242m-1240kc) Farm talk.
8:30	7:30	6:30	5:30	WOC (483.6m-620kc) Question box.
8:35	7:35	6:35	5:35	WCCO (416.4m-720kc) "Forest Conservation."
8:45	7:45	6:45	5:45	WCCO (416.4m-720kc) "Flower Growing—Questions Answered and Review," R. Mackintosh.

Markets and Weather

Daily Except Sunday

Eastern	Central	Mountain	Pacific	Program
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.	WFAA (475.9m-630kc) Markets. WOAW (526m-570kc) Markets.
9:45	8:45	7:45	6:45	KDKA (309.1m-970kc) Livestock, grain.
10	9	8	7	WLS (344.6m-870kc) Livestock, markets, fruit. WOS (440.9m-680kc) Hogs.
10:30	9:30	8:30	[illegible]	KFKX (288.3m-1040kc) Weather, hog market, local produce, hay, Chicago Board of Trade futures. WFAA (475.9m-630kc) Markets.
10:45	9:45	8:45	7:45	WCCO (416.4m-720kc) Markets. WMC (499.7m-600kc) Weather, markets.
11	10	9	8	WOS (440.9m-680kc) Weather, hogs.
11:15	10:15	9:15	8:15	WTAG (268m-1120kc) Markets, weather.
11:30	10:30	9:30	8:30	KFKX (288.3m-1040kc) Weather, Chicago Board of Trade, livestock, Chicago and New York butter and egg market, local produce. WCCO (416.4m-720kc) Markets. WEAR (389.4m-770kc) Markets, weather.
11:45	10:45	9:45	8:45	WAAW (384.4m-780kc) Livestock, butter, eggs.
12 n.	11	10	9	KDKA (309.1m-970kc) Weather, livestock, grain. WBAP (475.9m-630kc) Weather, cattle, grain. WLS (344.6m-870kc) Poultry, dairy, hogs, sheep. WOS (440.9m-680kc) Livestock, poultry, eggs, grain.
12:30 p. m.	11:30	10:30	9:30	KFKX (288.3m-1040kc) Livestock, fruit, vegetables, dairy. WEAR (384.4m-780kc) Markets, weather. WFAA (475.9m-630kc) Markets.
1	12 n.	11	10	WBAP (475.9m-630kc) Markets. WHT (238m-1260kc) Fruit, weather. WOS (440.9m-680kc) Livestock, weather.
1:30	12:30	11:30	10:30	KTHS (374.8m-800kc) Markets, weather. KFKX (288.3m-1040kc) Weather, livestock, potato market, apples. WOAW (526m-570kc) Markets.
1:35	12:35	11:35	10:35	KPO (428.3m-700kc) Butter, eggs, cheese, poultry.
1:45	12:45	11:45	10:45	KOA (322.4m-930kc) Weather, roads, livestock, poultry.
2	1	12 n.	11	WOC (483.6m-620kc) Weather, grain, livestock, dairy. WOS (440.9m-680kc) Grain.
2:15	1:15	12:15 p. m.	11:15	WAAW (384.4m-780kc) Grain markets. WFAA (475.9m-630kc) Markets.
3	2	1	12 n.	WLS (344.6m-870kc) Livestock, grain, dairy, fruit, vegetables. WOS (440.9m-680kc) Livestock, markets, grain.
3:30	2:30	1:30	12:30 p. m.	WFAA (475.9m-630kc) Markets. WMC (499.7m-600kc) Markets, weather.
3:50	2:50	1:50	12:50	WWJ (352.7m-850kc) Weather, markets.
4	3	2	1	KFKX (288.3m-1040kc) Weather, Chicago Board of Trade futures, Kansas City cash grain report, Omaha grain, livestock. WCCO (416.4m-720kc) Markets. WCX (516m-580kc) Stocks and grain. WFAA (475.9m-630kc) Markets.
5:50	4:50	3:50	2:50	WHAS (399.8m-750kc) Markets.
6:30	5:30	4:30	3:30	KSAC (340.7m-880kc) Markets.
6:45	5:45	4:45	3:45	WIP (508.2m-590kc) Livestock, markets.
7:30	6:30	5:30	4:30	KMA (252m-1190kc) Markets and weather. KSAC (340.7m-880kc) Market review. KFWA (261m-1150kc) Market reports.
8	7	6	5	KFKX (288.3m-1040kc) Weather, livestock, Boston wool, Omaha grain. KOA (322.4m-930kc) Sheep, markets, livestock, poultry.
11	10	9	8	WCCO (416.4m-720kc) Weather, grain.

KGO, Oakland, Calif. (361m-830kc), 4-5:30 p. m., concert orchestra, Hotel St. Francis; 6-6:55, twilight concert; 8-9, Lillian Swaey's trio; Lillian Swaey, violinist; Vernal Deane, cellist; Belle Sherwood Willis, pianist; Sierra quartet; Jim Madison, monologist; 9:10-9:30, Winifred G. Hanlon, soprano; Beatrice L. Sherwood, pianist; 10-12, dance music, Girvin-Deuel's California Collegians.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 10-12, Gold Room; Curt Kremer, pianist.

KHJ, Los Angeles, Calif. (405.2m-740kc), 6-7:30 p. m., weekly visit of Queen Titania and her Sandman with Uncle John, Lenore Killian, contralto, and readings by Charles Leslie Hill; 7:45, history story, Prof. Hertzog; 8-10, program, Builders' Finance association.

KJR, Seattle, Wash. (384.4m-780kc), 1:30-3 p. m., musical program; 7-8:30, musical program, Cornish school; Peter Meremblum, violinist; Kola Levienne, cellist; Mme. Bertha Poncy Dow, pianist.

KMTR, Hollywood, Calif. (238m-1260kc), 6-7 p. m., Starr Piano company studio; 8-10, KMTR concert orchestra, Loren Powell, director.

KNX, Hollywood, Calif. (336.9m-890kc), 5:30 p. m., Leighton's Arcade cafeteria orchestra; 6:30-7, Atwater Kent orchestra; 7-7:45, program, Overell's Furniture company; 8-9, Globe Ice Cream and Weber Bread companies, program; 9-10, Western Auto Supply company, program; 10-12, Ray West's Cocoanut Grove dance orchestra.

KPO, San Francisco, Calif. (428.3m-700kc), 1-2 p. m.,

IRISH JIGS AND REELS FROM WGBS

Tuesday, March 2

Rudy Seiger's Fairmont hotel orchestra; 2:30-3:30, matinee program; 3:30-4:30, Cyrus Trobbe's Palace hotel orchestra; 6:40-7, Waldemar Lind and the States restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel orchestra; 8-9, program; 9-10, program, Mona Motor Oil company; Gypsy and Marta, harmony team; 10-11, Palace hotel orchestra.

KPSN, Pasadena, Calif. (315.6m-950kc), 8-9 p. m., Star-News concert; Adolf Tandler instrumental group.

KTAB, Oakland, Calif. (240m-1250kc), 8-10 p. m., Western States Life Insurance company.

Wednesday, March 3

Headliners Today

Eastern	Central	Mountain	Pacific
8:30 p. m.	7:30 p. m.	6:30 p. m.	5:30 p. m.

WHAS (399.8m-750kc) Virginia Vetler's entertainers.
9 8 7 6
WDAF (365.6m-820kc) One-act play.
WBZ (333.1m-900kc) Concert company.
9:30 8:30 7:30 6:30
KFAB (340.7m-880kc) Original songbird.
10 9 8 7
WGR (319m-940kc) Classical program.
10:15 9:15 8:15 7:15
KOA (322.4m-930kc) "An Hour in the Southland."
KTHS (296.9m-1010kc) Kobusch and Shay.
10:30 9:30 8:30 7:30
KWSC (348.6m-860kc) Old-time fiddlers' contest.

Wednesday, silent night for: CHIC, CKNC, CNRA, CNRC, CNRE, CNRM, CNRR, CNRT, CNRV, KFAU, KFDM, KFEQ, KFKU, KUOA, KFXF, KGO, KLDS, KMMJ, KOB, KTAB, WABQ, WBAL, WBAP, WBBR, WCAD, WCAL, WCBD, WEBW, WFAA, WGBS, WGCP, WGST, WHAR, WHAZ, WIP, WJAD, WJAZ, WLWL, WMC, WOAI, WOAW, WOI, WPG, WRC, WREO.

Eastern Time Stations

CFCA, Toronto, Can. (356.9m-840kc), 11 p. m., Gilbert Watson and his orchestra.

KDKA, Pittsburgh, Pa. (309.1m-970kc), 12:20 p. m., Trinity church Lenten service; 6:30, dinner concert; 8:30, Independent Wall Paper Pierrots; 9, Helen Greenwood, soprano; Hulda Lefridge, pianist; Vincent Koren, tenor; Natcho Vasileff, cellist.

WBZ, Springfield, Mass. (333.1m-900kc), 6:30 p. m., Hotel Kimball trio; 7, Linscott Supply company; 8, Melvin D. Fox, baritone; Helen F. Wheeler, mezzo-soprano; 8:30, Pauline Settle, pianist; Alberta M. Kelleher, violinist; 9, WBZ concert company.

WCAP, Washington, D. C. (468.5m-640kc), 7-11 p. m., U. S. Navy band orchestra.

WCAU, Philadelphia, Pa., (277.6m-1080kc), 6:45 p. m., Parodians dance orchestra; 7:30, recital, N. Snellenburg and company; 8, talk; 8:10, Kane's Musical Adventurers; 9, Rigo's Royal Gypsy band; 9:30, Jones' Jolly Four; 10:05, Chapman's Interfraternity dance orchestra; 10:45, Frank Cook, old-time songs; 11, Artie Bittong's Cheer-up club.

WCOA, Pensacola, Fla., (222m-1350kc), 7:30 p. m., galaxy artists.

WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., Goldkette's ensemble; 8-9, studio program.

WDBO, Winter Park, Fla. (239.9m-1250kc), 9-10:30 p. m., Orpheus singers.

WEAF, New York, N. Y., (491.5m-610kc), 12 n., chapel services, Columbia university; 4, Ray Nichols recording orchestra; 4:30, Helen Ketzinger, soprano; 5, Vincent Lopez and orchestra from Tea Room of Hotel Ritz-Carlton; 6, dinner music, Rose Room of Hotel Waldorf-Astoria; 7, United Synagogue of America; 7:30, chamber musicale to WEAF, WJAR, WOO; 8:30, Davis saxophone octet to WEAF, WOO, WCAE, WSAI, WTAG, WEEI, WGR; 9, Ipana troubadours to WEAF, WEEI, WCAP, WWJ, WCCO, WGR, WSAI, KSD; 10, Roxy and gang to WEAF, WEEI, WTAG, WCAP, WWJ, WJAR, WGN; 11-12, Hughie Barrett and orchestra, Hotel Commodore.

WEAO, Columbus, Ohio (293.9m-1020kc), 9 p. m., orchestra concert.

WEAR, Cleveland, Ohio (389.4m-770kc), 7 p. m., Hotel Cleveland orchestra.

WEBJ, New York, N. Y. (272.6m-1100kc), 8 p. m., Kenwood Klub orchestra; 8:15, Carrie Cohen, concert pianist; 9, Michele Bontempo, operatic baritone; 9:30, Rudolph Joskowitz, concert violinist.

WEEI, Boston, Mass. (348.6m-860kc), 3:05 p. m., E. Payson Re and his orchestra; 5, Black and White vaudeville orchestra; 6:15, Joe Rines and his Hunters' Cabin orchestra; 7:30, Katherine White, soprano; Mrs. Cox, accompanist.

WEMC, Berrien Springs, Mich., (285.5m-1050kc), 8:15 p. m., Mrs. Gwendolin Lacey-Chaney, pianist; Ellis Maas, bass; Homer Fellow, soloist.

WFI, Philadelphia, Pa., (394.5m-760kc), 1 p. m., Tea room ensemble; 3, Josh Saddlers Plantation serenaders; 6:30, Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra.

WGBS, New York, N. Y. (315.6m-950kc), 1:35 p. m., Hilda Bergvall, soprano; 1:45, Albert Cartier, baritone; 3, Bushwich hospital program; 3:15, negro impersonations; 3:30, songs and Gladys M. Rodgers, musical comedy.

WGCP, New York, N. Y. (252m-1190kc), 3 p. m., Ona Welsh, pianist; 3:20, Bobby Grey, songs; 3:45, Tracey Mohr, songs; 4:15, studio program; 4:30, Jeanne A'Dair, soprano; 4:45, Alfred Hall, baritone; 5:10, Charlotte Trystmann, pianist; 7, Clarence Williams trio; 7:20, health talk; 7:35, Charles Coleman's entertainers; 8, McDermott, Haegney and Steele trio.

WGHB, Clearwater, Fla. (268m-1130kc), 6:30-7:30 p. m., dinner music; 8:30-9:30, Mrs. J. G. Shuck, contralto; Mrs. Carl Carrier, pianist; Norman L. Scott, baritone; Ola Bishop, soprano; 11:45-1, Radio Ramblers.

WGHP, Detroit, Mich. (270m-1110kc), 6-7 p. m., dinner concert, Hotel Tuller; 7:10-7:50, children's evening chat; 8-10, Little symphony orchestra, Dirk Van Emmerik, conductor; Mme. Gizi Szanto, pianist; quartet; 12-1 a. m., Gerald Marks and his orchestra, Hotel Tuller, assisting artists.

WGR, Buffalo, N. Y. (319m-940kc), 2:30 p. m., WGR's afternoon program; 6:30, Gene Zacher's orchestra; 8, Audubon Terrace Meadow Larks; 10, Rosa Pizardini, Salvatore Mary Pizardini in classical program; 10:30, H. E. Wegner in popular songs; 11, Vincent Lopez' Hotel Statler dance orchestra; John F. Gunderman, Jr., organist.

WGY, Schenectady, N. Y. (379.5m-790kc), 7 p. m., dinner program, Ladman theater orchestra; 8:05, musical program, 8:30, concert, Mendelssohn club.

WIP, Philadelphia, Pa. (508.2m-590kc), 1 p. m., Gimbel Tea Room orchestra; 3, recital, Hyperion School of Music; 6:05, Benjamin Franklin concert orchestra; 7, Uncle Wip's bedtime stories; William Lamb, cornet.

WJAX, Jacksonville, Fla. (336.9m-890kc), 3:30 p. m., Hemming park band concert, Vessella's band, Oreste Vessella, conductor; 7:30, music memory contest; 8-10, popular program.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Jean Goldkette's Petite symphony orchestra, soloists; 9, Winter Haven, Fla., hour; 11:30, "Merry Old Chief," Jewett Jesters.

WJZ, New York, N. Y., (454.3m-660kc), 1 p. m., Hotel Madison concert and dance orchestra; 4:30, Waldorf Astoria tea music; 7, Hotel Commodore dinner concert.

WLIT, Philadelphia, Pa., (394.5m-760kc), 12:02 p. m., daily almanac; Stanley theater organ recital; 12:20, religious service; 12:30, Arcadia cafe concert orchestra; 2, Arcadia cafe concert orchestra; 8, recital; 9, concert; 10, Arcadia cafe dance orchestra.

WLWL, New York, N. Y. (288.3m-1040kc), 9:15 p. m., entertainers; 9:45, McCray concert; 10:30, songs.

WMAK, Buffalo, N. Y. (266m-1130kc), 7:30-10 p. m., musical program.

WMCA, New York, N. Y., (340.7m-880kc), 6 p. m., Olcott Vail and his Hotel McAlpin String ensemble; 6:30, Ernie Golden and his Hotel McAlpin orchestra; 7:45, Woodmansten Inn orchestra; 11, Hofbrau Haus entertainers; 11:30, Jack Denny's orchestra; 12, McAlpin Hotel entertainers.

WNYC, New York, N. Y., (526m-570kc), 5:40 p. m., Agnes Vernon's Juveniles; 6, Chris Meehan, tenor; 6:20, Chris Meehan, tenor.

WOO, Philadelphia, Pa., (508.2m-590kc), 11 a. m., organ recital; 12:02 p. m., crystal tea room orchestra; Robert E. Golden, director; 4:45, organ recital; 7:30, Ritz Carlton dance orchestra; 8, recital; 9, WOO orchestra; 10, Fox theater studio program; 10:30, Ritz Carlton dance orchestra.

WOR, New York, N. Y., (405.2m-740kc), 6:30-7 p. m., Jacques Jacobs' Hotel Shelton ensemble; 9:30, Ballin and Race, piano duo; 10, Erie railroad glee club; 11:30-12, Katinka orchestra.

WRC, Washington, D. C. (468.5m-640kc), 12 noon, Gertrude Smallwood, organist; 12:30 p. m., Lenten services; 1, Lee House trio; 4:15, Meyer Davis' Le Paradis band; 5, musical program.

WTAG, Worcester, Mass. (268m-1120kc), 12:05-2 p. m., noonday luncheon music, WTAG orchestra; 3-5, Tea Dansant music.

WTIC, Hartford, Conn. (475.9m-630kc), 6:30 p. m., Hotel Bond trio; 8, Travelers double quartet; 9:15, Laura C. Gaudet, pianist; 9:30-11, organ recital; 10-11, Roxy and his gang.

WWJ, Detroit, Mich. (352.7m-850kc), 12:05 p. m., Jules Klein's Hotel Statler orchestra; 3, Detroit News orchestra; 6, dinner concert; 8, News orchestra and soloists; 9, dance program; 10, Roxy and his gang.

KSO, Clarinda, Iowa (241.8m-1240kc), 7:30-9:30 p. m., Sweet Israel singers; 10, Florida-Bound concerts.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9-9:30 p. m., Neapolitan folk songs, Meyer Davis' New Arlington hotel orchestra; 9:30, ballad selections, Mrs. Al Belding, contralto; 9:40, Eastman hotel dance orchestra; 10-10:45, frolic, Southerners Majestic hotel orchestra.

KYW, Chicago, Ill. (536m-560kc), 12:05-1 p. m., noonday concert; 1-2, luncheon concert, Congress hotel; 6, dinner music; 7:30, music; 8, musical program, Congress hotel; 10-12:30, midnight revue; 1 a. m., Insomnia club.

WAMD, Minneapolis, Minn. (244m-1230kc), 7:10 p. m., classical program; 11, frolic.

WBAP, Fort Worth, Tex. (475.9m-630kc), 6-6:30 p. m., Chief Gonzales' Texas Hotel Royals.

WBBM, Chicago, Ill. (226m-1330kc), 4-6 p. m., concert; 8-10, barber shop three; Sy Berg and Bob Witt; Moulin Rouge orchestra; Phillip Nilles, tenor; Rudy Winter; Floyd Falch; 12-2 a. m., Lew Russell; Charlie Garland; Two Jays, Jeske and Jordan; Harold Anderson, accordionist; Moulin Rouge orchestra; Spencer, Lavergne and Shayne, xylophone trio; Claire Matthews; Floyd Falch; Ariston trio.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 2:30 p. m., concert; 4, readers' club; 7, mid-week stein, tenor; quartet; personnel; Messrs. Myers, Moore and Eaton; Marion Carlson, pianist; 9-12, dance programs.

WIBO, Chicago, Ill. (226m-1330kc), 2-4 p. m., Shut-in program; 6-8, dinner concert; old-fashioned songs; Walter Preston; WIBO string trio; Dorothy Rae, soprano; Florence Osterman, contralto; Joe North, baritone; Earl Bigelow, pianist; 10-12, popular program; open request night; Prof. Black, cryptologist; Marie Tully, soprano; Hicky and Johnson; William Molnaire, tenor; Erwin Cornelius, uke soloist; Lenore Friedman, soprano; Pearl Holzman, pianist; Irene Beasley, the Jordans.

WJAZ, Chicago, Ill. (322.4m-930kc), 9-1 a. m., continuous dance program, Opera club.

WJJD, Mooseheart, Ill. (370.2m-810kc), 2-3 p. m., Howard L. Peterson, organist; 4-5, music, children; 5:30-7, Jack Nelson; Palmer House symphonic players; Howard L. Peterson, organist; Palmer House Victorians; 8-9, music, children; 10-11, R. V. Thomas; John Norton; Palmer House Victorians; 12:30 a. m., "Settin' Up Hour."

WKAF, Milwaukee, Wis. (261m-1150kc), 10-11 p. m., Campus Skylarks; May Scholler, soprano.

WLIB, Chicago, Ill. (302.8m-990kc), 7:30-8 p. m., "Auld Sandy"; 7:40-8, music; 11-1 a. m., dance music, songs, Correll and Gosden; Hawaiian guitar music, Langdon brothers.

WLS, Chicago, Ill., (344.6m-870kc), 6 p. m., WLS trio; 6:40, Ralph Emerson, organist; 7, lullaby time; 7:20, "Common Sense in Music," Dr. Spaeth.

WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., Hotel Gibson orchestra; 8-9, compositions by Howard Bennett; 9:10, Venetian trio; 10, Castle Farm; 10:30-11, Crosley male quartet; 11:15, duets, Grace Donaldson, Hortense Rhodes; 11:30, popular dance music, Castle Farm; 12, Johanna Grosse.

WMAQ, Chicago, Ill. (447.5m-670kc), 4:45 p. m., Starrett School for Girls; 6, Chicago theater organ; 6:30, Hotel La Salle orchestra; 8, Columbia School orchestra.

WMBB, Chicago, Ill. (250m-1200kc), 7-8 p. m., Trianon duo; Neva Carlson, mezzo-soprano; Eleanor Kaplan, violinist; Edwin House, baritone; Preston Graves, pianist; 9-11, Trianon orchestra, Dell Lampe, director; Woodlawn theater orchestra, Walter Kipp; Cecil and Esther Ward, Hawaiian guitar artists; Billie Allen Hoff, blues singer; Bob Bennett, pianist; popular program.

WOAI, San Antonio, Tex. (394.5m-760kc), 3 p. m., concert; 8:30, Fort Sam Houston program.

WOAW, Omaha, Nebr. (526m-570kc), 12:45 p. m., Phyllis Griswold, organist.

WOC, Davenport, Ia. (483.6m-620kc), 4-4:45 p. m., musical program, Billy Hokenson, trombone; Atta Richmond, soprano; John Drier, zither; 5:45-6, chimes concert; 7-7:30, "The Mystery Merrymakers"; 9-9:30, Edwin Swindell, organist; 9:30-10:30, musical program.

WOI, Ames, Iowa (270m-1110kc), 12:30 p. m., college chimes.

WOK, Chicago, Ill. (217.3m-1380kc), 4:30-7 p. m., Capitol theater organ; program; 10-1:30, Tearney's Town club orchestra; Carl Lorraine's Pershing Palace orchestra; Husk O'Hare's Cocoanut Grove orchestra; Capitol theater program; program.

WORD, Batavia, Ill. (275m-1090kc), 7 p. m., program, North Shore line; 9, Webster trio; I. B. S. A. choral singers; 11, program.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., dinner concert, Ralph Williams and his Rainbo Gardens orchestra; Christian A. Grimm, pianist and composer; Jean St. Anne, baritone; Agnes Pringle, violinist; Jessie Pringle, pianist and soprano; 10-1 a. m., Ralph Williams and his Rainbo Skylarks; Ambrose Wyrick, tenor; Melodians; Clarence Theders, tenor; Joe Watner, character songs; Oxford Girls, harmony singers; 1-2, Ginger hour, Ralph Williams and his Little Skylarks.

WSAI, Cincinnai, Ohio (325.9m-920kc), 10:15 p. m., Congress Playing Card string quartet.

WSB, Atlanta, Ga. (468.5m-640kc), 10:45 p. m., Biltmore Salon orchestra.

WSM, Nashville, Tenn. (282.8m-1060kc), 6:30 p. m., Francis Craig's orchestra; 8, Kiwanis club; 10, Golden Echo quartet.

Mountain Time Stations

KFWA, Ogden, Utah (261m-1150kc), 4-5 p. m., organ recital, Paramount theater; 5-6, Ogden Radio dealers program; 9-10:30, music, Paramount theater; 10:30-12, dance music, Olie Reeves and his orchestra.

KOA, Denver, Colo. (322.4m-930kc), 12:15 p. m., Rialto theater organ recital, Marjorie Nash; 6:30, string orchestra concert; 8, instrumental program, Scheuerman's Colorado orchestra; 8:15, studio program; "An Hour in Scotland," Blue Bell Four; staff artists, Ralph Freese, tenor; Hulda Edwards, soprano; G. Crowder, pianist; Julian Riley, violinist; 10-12, dance program, Broadmoor Rhythm Rustlers.

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 11:05, program, Gelfand company; 5:30-6 p. m., Oriole dance orchestra; 6, nightly doings; 6:15, KFI's Seeing California; 6:30, vest pocket program; 7-7:30, program, A. H. Grebe and company, presenting Synchrophase String ensemble; 7:30, Nick Harris detective story; 8-9, program, California Petroleum company; 9-10, program, Chevrolet Motor company of California; Chevrolet String ensemble; 10-11, Patrick-Marsh dance orchestra; Betty Patrick, soloist.

KFON, Long Beach, Calif. (232.4m-1290kc), 6-6:30 p. m., Brayton's theater organ; information; 7-8, Investors' hour with music; 8-9, Press-Telegram studio; 9-10, program, Sam Abrams, the tailor; 10-11, dance music.

KFWB, Hollywood, Calif. (252m-1190kc), 8-9 p. m., California serenaders, Sol Heopii's Hawaiians, Paul Ford, baritone; 9-9:30, Bill Hatch's Oakmont Country club orchestra; 9:30-10, Mutual Motors joke contest; 10-11, Warner Brothers studio.

KGO, Oakland, Calif. (361m-830kc), 3-4 p. m., Domenica Favero Robbins, contralto; Norah C. Hanson, soprano; Robert Norman, tenor; 4-5:30, Hotel St. Francis concert orchestra; 5:30, Mr. Fix-it; 6-6:55, dinner concert, Kohler and Chase.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., Olds, Wortman and King and company; 8-9, Seventh United States Infantry band; 9-10, music; 10-11, Sherman, Clay and company.

KHJ, Los Angeles, Calif. (405.2m-740kc), 6-7:30 p. m., children's hour with Dick Winslow, juvenile reporter; Vivian Marple and Mickey McBan, screen juveniles; Uncle John; 7:45, history story, Prof. Hertzog; 8:30-10, program, Lions Club of Santa Ana.

KJR, Seattle, Wash. (384.4m-780kc), 1:30-3:30 p. m., Post-Intelligencer matinee program; 7-8:30, Sears-Roebuck program; Bab's lady orchestra; 8:30-10, Post-Intelligencer program.

KMTR, Hollywood, Calif. (238m-1260kc), 8-10 p. m., KMTR concert orchestra, Loren Powell, director; 10-11, Starr Piano company studio.

KNX, Hollywood, Calif. (336.9m-890kc), 5:30 p. m., Leighton's Arcade cafeteria orchestra; 6:30-7, Atwater Kent concert orchestra; 7-8, studio program; 8-9, feature program; 9-10, Joe Daley's comedians; 10-11, dance music; 11-12, Ambassador hotel dance orchestra playing in Cocoanut Grove.

KPO, San Francisco, Calif. (428.3m-700kc), 1-2 p. m., Rudy Seiger's Fairmont hotel orchestra; 2:30-3:30, matinee program; 6:40-7, Waldemar Lind and the States restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel orchestra; 8-9, program, Atwater Kent artists; 9-10, Goodrich Silvertown Cord orchestra; 10-11, Waldemar Lind and the States restaurant orchestra.

KQP, Portland, Ore. (319m-940kc), 8-9 p. m., musical program.

KWSC, Pullman, Wash. (348.6m-860kc), 7:30-9 p. m., old-time fiddlers contest.

CLASSICAL CONCERTS INDEX

Saturday, February 27

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.

WCX, WEAF, WMCA, WREO.
7 6 5 4
KGO, KYW, WEAR, WENR, WMAQ, WNYC, WOAW, WOK, WRC.
8 7 6 5
KDKA, KFNF, KOIL, KSD, KYW, WBBR, WGN, WMBB, WNYC, WOAW, WQJ.
9 8 7 6
KFOA, KPRC, KHJ, KYW, WHAS, WIP, WLW, WORD, WSAI, WSOE
10 9 8 7
KNX, KYW, WEAF, WMAQ, WMC, WOAW, WOC, WORD.
11 10 9 8
KGO.
12m 11 10 9
WOAW.

Sunday, February 28

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.

WCAU.
7:20 6:20 5:20 4:20
WCAE, WCAU, WEAF, WEAR, WEEI, WJAR, WTAG, WWJ.
8 7 6 5
KYW, WAMD, WBZ, WEAR, WGBS, WGCP, WKAQ, WLS, WORD.
9 8 7 6
KFDM, KPRC, KSD, WBZ, WCAU, WCBD, WCCO, WEAR, WGY, WHAR, WHT, WNYC, WQJ.
9:15 8:15 7:15 6:15
WEEI, WJAR, WTAG.
10 9 8 7
KHJ, KNX, KTHS, KYW, WCCO, WFAA, WNYC, WOC, WQJ, WSOE.
11 10 9 8
KFVE, KHJ, KNX, KPO, KTHS, KYW, WHN, WKRC, WOC.
12m 11 10 9
KHJ, KNX, WOC.
1 a. m. 12m 11 10
KNX.

Monday, March 1

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.

KGO, WCX, WEAF, WMCA, WREO, WWJ.
7 6 5 4
KMA, WCCO, WEAF, WEAR, WHAD, WJR, WOAW, WOK.
8 7 6 5
KFNF, KSD, WBBR, WBZ, WCAU, WCX, WHAR, WHT, WJAR, WLW, WMBB, WTAG, WTIC.
9 8 7 6
KFOA, KGO, KHJ, KPRC, WBBR, WCCO, WBZ, WCAE, WEEI, WHAD, WHO, WJAR, WLW, WORD, WOS.
10 9 8 7
KMA, KPO, KPRC, KSD, KTHS, WAMD, WCCO, WEAF, WHAD, WJAR, WOAW, WSUI, WTAG.
11 10 9 8
KGW, KHJ, KMA, KSD, KTHS, KWSC, WHN, WSAI.
12m 11 10 9
KGW, WBAP, WSAI.
1 a. m. 12m 11 10
KHJ.

Tuesday, March 2

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.

WBZ, WCX, WEAF, WMCA, WREO, WWJ.
7 6 5 4
KGO, KMA, WEAR, WEBJ, WGBS, WHAD, WJR, WMAQ, WOAW, WOK, WOR, WTIC, WWJ.
8 7 6 5
KFNF, KSD, KYW, WBZ, WCAE, WCAU, WCX, WEAR, WEEI, WGR, WHAR, WHT, WLS, WMBB, WQJ, WRC, WTIC.
9 8 7 6
KDKA, KFOA, KGO, KHJ, KLDS, KYW, WCAE, WCBD, WCCO, WEAF, WEEI, WGR, WHAS, WJAR, WLW, WMAQ, WOC, WORD, WTAG.
10 9 8 7
KFAB, KFDM, KFUO, KMA, KNX, KPRC, KTHS, WCAE, WCCO, WEAF, WEAR, WEEI, WLW, WMCA, WOC, WSAI, WSOE, WTAG.
11 10 9 8
KGO, KHJ, KMA, KYW, WSAI.
12m 11 10 9
KPO, KYW, WHO, WMC.

Wednesday, March 3

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.

WCX, WEAF, WMCA, WREO, WWJ.
7 6 5 4
KGO, WEAR, WHAD, WJR, WMAQ, WOK, WTIC.
8 7 6 5
KFNF, KPRC, KSD, KYW, WAMD, WBZ, WCX, WEAF, WEEI, WHT, WLW, WMBB, WMCA, WQJ, WTAG, WWJ.
9 8 7 6
KFOA, KGO, KPRC, KSD, KYW, WBZ, WCCO, WDAF, WEEI, WGR, WHAD, WHAS, WJAR, WMAQ, WOR, WOS, WORD.
10 9 8 7
KFMX, KMA, KNX, KTHS, WAMD, WCCO, WEAF, WEEI, WGR, WHAD, WJAR, WLS, WMAQ, WNYC, WOC, WSOE.
11 10 9 8
KGO, KGW, KMA, KPO, KTHS, WCAE, WLS, WLW, WOC, WSAI.
12m 11 10 9
KGW, KPO, WHAD, WLW.
1 a. m. 12m 11 10
WLW.

Thursday, March 4

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.

WBZ, WCX, WEAF, WIP, WMCA, WREO, WWJ.
7 6 5 4
KGO, KSD, WEAF, WEAR, WGBS, WHAD, WJR, WMAQ, WOAW, WOK, WWJ.
8 7 6 5
KYW, WBBR, WBZ, WCAU, WCCO, WCX, WEAR, WEEI, WGR, WGY, WHAR, WHT, WLS, WLW, WMBB, WOAW, WQJ, WTAG, WTIC.
9 8 7 6
KHJ, KLDS, WBAP, WCAE, WCAU, WCBD, WCCO, WEAF, WEEI, WGR, WHAR, WHAS, WJAR, WNYC, WOC, WORD, WRC, WASI, WSB, WTAG.
10 9 8 7
KNX, KPRC, KTHS, KYW, WAMD, WGR, WGY, WHAD, WMC, WOAW, WOC, WSAI.
11 10 9 8
KGO, KPO, KTHS, WBAP, WKRC.
12m 11 10 9
KGW, KPO, WHO, WKRC.

Friday, March 5

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.

KGO, WCX, WMCA, WREO, WWJ.
7 6 5 4
KGO, WEBJ, WGY, WHAD, WJR, WMAQ, WOAW, WOK, WOR, WTIC.
8 7 6 5
KYW, WAHG, WAMD, WBZ, WCAU, WCX, WEBJ, WEEI, WHT, WLS, WQJ, WWJ.
9 8 7 6
KFDM, KFNF, KFOA, KGO, KHJ, KSD, KYW, WBAP, WBZ, WCAU, WDAF, WEEI, WHAD, WJAR, WMAQ, WMCA, WSAI.
10 9 8 7
KFAB, KFDM, KOA, WCCO, WHAD, WMAQ.
11 10 9 8
KFMX, KHJ, KNX, KPO.
12m 11 10 9
KPO.

Central Time Stations

KFAB, Lincoln, Nebr., (340.7m-880kc), 5:30-6:30 p. m., dinner concert; 8:30-10:30, Belshaw's orchestra; Gloomy Gus, entertainer; Ed. Ellingson; Harmony Boys, vocal and piano; Slick Merriam, poetic pianist.

KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., concert, Seed bunch.

KFRU, Columbia, Mo. (499.7m-600kc), 4:30 p. m., Bella Vista Quadrangle orchestra; 9-11, Stephens College Conservatory of Music.

KLDS, Independence, Mo. (441m-680kc), 2:30 p. m., matinee program; 8, Ada Griffiee, cellist; Bertha Burgess, soprano; Marian Thorpe, harpist; ladies' duet; Junior high school girls chorus; William T. Hood, baritone; male quartet.

KMA, Shenandoah, Iowa (252m-1190kc), 11:30-12:30 p. m., noonday rural program; banjo solos, Charles Skinner; 6-7, musical numbers; 9-11, Bobbie and Babe Riddle, singing and clogging; Willy Cunningham, Scotchman; familiar songs, Mrs. May, director.

KPRC, Houston, Tex. (296.9m-1010kc), 12 noon, luncheon program; 7:30 p. m., Jack Willrich's orchestra. Virginia Willrich, piano-accordionist; 8:30, Edna Adams, sweetheart of the air, E. E. Sawyer, accompanist; 9:15, Kobusch and Shay, popular entertainers; 11, Capitol theater orchestra.

KSD, St. Louis, Mo. (545.1m-550kc), 7:30 p. m., program, Hotel Statler orchestra.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9-9:30 p. m., Neapolitan folk songs, Meyer Davis' New Arlington hotel orchestra; 9:30, ballad selections, Mrs. Al Belding, contralto; 9:40, Eastman hotel dance orchestra; 10-10:45, frolic, Southerners Majestic hotel orchestra.

KYW, Chicago, Ill. (536m-560kc), 12:05-1 p. m., noonday concert; 1-2, luncheon concert, Congress hotel; 6, dinner music; 7:30, music; 8, musical program, Congress hotel; 10-12:30, midnight revue; 1 a. m., Insomnia club.

WAMD, Minneapolis, Minn. (244m-1230kc), 7:10 p. m., classical program; 11, frolic.

WBAP, Fort Worth, Tex. (475.9m-630kc), 6-6:30 p. m., Chief Gonzales' Texas Hotel Royals.

WBBM, Chicago, Ill. (226m-1330kc), 4-6 p. m., concert; 8-10, barber shop three; Sy Berg and Bob Witt; Moulin Rouge orchestra; Phillip Nilles, tenor; Rudy Winter; Floyd Falch; 12-2 a. m., Lew Russell; Charlie Garland; Two Jays, Jeske and Jordan; Harold Anderson, accordionist; Moulin Rouge orchestra; Spencer, Lavergne and Shayne, xylophone trio; Claire Matthews; Floyd Falch; Ariston trio.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 2:30 p. m., concert; 4, readers' club; 7, mid-week church service; 9, Nash-Finch concert orchestra; 10:05, Emmet Long's Golden Pheasant dance orchestra; 11:30, organ recital, Eddie Dunstaedter.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., Trianon ensemble; 8-10, one-act play, WDAF players; glee clubs, Kansas City Junior college; Jack Little; 11:45-1 a. m., Ted Weems' Victor Recording orchestra; Ben Bernie's orchestra; Jack Little.

WEBH, Chicago, Ill. (370.2m-810kc), 3-4 p. m., special features; 7-8, brass quartet; Oriole string trio; 9-9:45, Florence Behrends; Frank Greif, tenor; Eugenia Dolberg, pianist; Oriole orchestra; James Murray, Frank Pasquah, marimba band, trombone duo; 11-12:30 a. m., Oriole orchestra; Howard Neumiller, pianist; Florence Behrends; Irene Beasley, impromptu review Oriole orchestra.

WFAA, Dallas, Tex. (475.9m-630kc), 12:30-1 p. m., Sears-Roebuck program; 1:30-2, Mario H. Bolack, pianist; 2:30-3, Ernest Wayland, singer and pianist.

WGN, Chicago, Ill. (302.8m-990kc), 11-11:30 a. m., organ concert, Chicago theater, Dean Fossler; 12:01-12:30 p. m., noon hour entertainment for children; 12:40-2:30, luncheon concert music; 2:30-3, Lyon and Healy artists recital; 3:25, Port o' Missing Men; 3:30-4:15, tea time music; 4:30-5, organ; 6:30-6:45, dinner concert music; 6:45-7, old-time favorite songs; 8-9, Evanston's Men's chorus; 10-10:10, Radio comic strip; 10:10-10:30, play shop; 10:30-10:45, old-time songs; 10:45-11, songs, Correll and Gosden, Freda Leonard and Jewell Barnett; Hawaiian guitar music, Langdon brothers.

WHAS, Louisville, Ky. (399.8m-750kc), 1-2 p. m., concert, Barney Rapp's orchestra; 3-3:30, organ recital, Myrtle Zahn; 4-5, concerts; 7:30-9, Virginia Vetter's entertainers.

WHB, Kansas City, Mo. (365.6m-820kc), 2-3 p. m., Morrill Moore, organist; 7-8, Milo Finley trio; Girls' Banjo orchestra.

WHO, Des Moines, Iowa (526m-570kc), 6-7 p. m., Bankers Life little symphonic orchestra; 7:15-8:15, Irene Doran's little symphony orchestra; 8:15-9, Herman Kir-

"INTERURBAN" KGO PLAY THIS WEEK

Thursday, March 4

Headliners Today

Eastern	Central	Mountain	Pacific	
8 p. m.	7 p. m.	6 p. m.	5 p. m.	WMBB (250m-1200kc) Spanish music.
8:30	7:30	6:30	5:30	WOC (483.6m-620kc) Plow Boys.
9	8	7	6	WSB (428.3m-700kc) Atlanta Bell Hops orchestra.
10	9	8	7	WGY (379.5m-790kc) Chinese program.
10:30	9:30	8:30	7:30	WBAP (475.9m-630kc) Saxophone quartet.
11	10	9	8	KGO (361.2m-830kc) "Interurban," KGO players.
				WBZ (309.1m-900kc) Repertoire frolic.
11:20	10:20	9:20	8:20	WCCO (416.4m-720kc) Anniversary program.

Thursday, silent night for: CHIC, CKNC, CNRA, CNRE, CNRO, CNRR, CNRT, CNRV, CNRW, KFAB, KFAU, KFDM, KFEQ, KFMX, KFOA, KFUO, KFVE, KFWA, KGW, KLX, KMOX, KOA, KOAC, KOB, KWSC, PWX, WABQ, WAFD, WAHG, WCAP, WCEE, WDOD, WEAO, WEBJ, WEBW, WHAD, WHAZ, WJJD, WOR, WOS, WSM, WSUI, WTAM.

Eastern Time Stations

CFCA, Toronto, Can. (356.9m-840kc), 9 p. m., musical program; 11, Canada Dry Ginger Ale orchestra.

KDKA, Pittsburgh, Pa. (309.1m-970kc), 12:20 p. m., Trinity church lenten service; 6:30, KDKA Little symphony orchestra; 8:30, Richard Kountz, KDKA Little symphony orchestra; 9, concert; 11, concert.

WBAL, Baltimore, Md. (246m-1220kc), 6:30-7:30 p. m., WBAL dinner orchestra; 7:30-8, recital, Frederick D. Weaver, organist; 8-10, Paul Hodgson, pianist; Edna Proffen, soprano; Maud Albert, contralto; Richard Cuming, baritone; Robert Lee, violinist.

WBBR, New York, N. Y. (273m-1100kc), 8 p. m., Watchtower instrumental trio; 8:10, vocal selections, Ruth de Boer and Elvira Kiefer; 8:40, vocal selections; 8:50, Watchtower instrumental trio.

WBZ, Springfield, Mass. (333.1m-900kc), 6:30 p. m., Hotel Kimball orchestra; 7, Hotel Lenox ensemble; 7:30, Angelo Catterucci, accordionist; 8, Leo Reisman's orchestra; 9, Grace Tucker, pianist; 9:15, Anna M. Wollmann, soprano; 9:30, organ recital; 10:05, Edwin J. McEnelley and orchestra; 11, Repertory theater.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:30 p. m., Cathay Tea Garden dance orchestra; 7:30, Snellenburg's symphony orchestra; 8, The Mitchell Gondolier; 8:15, recital; 8:45, The Kandy Kids; 9, Barry O'Moore, the Irish tenor; 9:30, Musical Chefs; 10, Sesqui-Centennial hour; 11, Parodians dance orchestra; 11:30, Club Cadix revue.

WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., Goldkette's ensemble; 8-9, studio program.

WDBO, Winter Park, Fla. (239.9m-1250kc), 8-10:30 p. m., community program.

WEAF, New York, N. Y., (491.5m-610kc), 11 a. m., Ruth Wagner, soprano; 11:20, Ruth Wagner, soprano; 4 p. m., Helene Koster, soprano; 4:15, Nathan Weinberg, violinist; 4:30, George Kanony, baritone; 5-6, Vincent Lopez and orchestra; 6-7, dinner music, Rose Room of Hotel Waldorf-Astoria; 7, mid-week hymn singing; 7:30, the Smith Brothers; 8, the Larkinites, WEAF, WEEI, WGR, WWJ, WFI, WTAG, WOC, WCCO, KSD, WCAE, WEAR; 8:30, Hire's Harvesters, WEAF, WEEI, WFI, WCAE, WLIB, WSAI, WWJ; 9, Clicquot Club Eskimos, WEAF, WEEI, WJAR, WTAG, WFI, WCAE, WSAI, WEAR, WGR, WWJ, WOC, WCCO, KSD, WGN; 10, Goodrich Silvertown Cord orchestra, WEAF, WEEI, WCAE, WJAR, WFI, WGN, WGR, WWJ, WTAG, WOC, WCCO, KSD, WSAI, WADC; 11-12, Vincent Lopez and orchestra from Casa Lopez.

WEAO, Columbus, Ohio (293.9m-1020kc), 4:30 p. m., music.

WEAR, Cleveland, Ohio (389.4m-770kc), 7 p. m., Hotel Statler concert orchestra; 8:30, Workrite Radio artists; 10, Vincent Percy, organist, assisting artists.

WEBJ, New York, N. Y., (272.6m-1100kc), 7 p. m., Blenheim theater ensemble; 7:45, Sara V. Tunts, soprano; 8, Thomas Prytherch, Welsh tenor; 8:30, Astoria Collegians.

WEEI, Boston, Mass. (348.6m-860kc), 3:05 p. m., Lou Klayman and his orchestra; 3:45, Eliot Daniel, pianist; 5, Fleur Brousseau, soprano; 5:30, Harry Marshad and his orchestra; 6:05, Harry Marshad's orchestra; 7:30, musical.

WFI, Philadelphia, Pa., (394.5m-760kc), 1 p. m., tea room ensemble; 3, club program, Junior Section of Southeastern District, Mrs. R. Maurice Snyder, chairman; 6:30, Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra.

WGBS, New York, N. Y. (315.6m-950kc), 1:30 p. m., Crete Carton, soprano; 2, Leonard Garfunkle, pianist; Llya Roan, soprano; 3, Mary Milstead, soprano; 7:30, Edward Borrale, tenor; 8, William F. Sweeney, baritone; 9, Crystal Palace orchestra; 9:45, Fife brothers; 10:30, Vanderbilt hotel orchestra; 11:30, "The Matinee Girl."

WGCP, New York, N. Y., (252m-1190kc), 3 p. m., Elvira Rosa Geiger, pianist; 3:15, Osborne and Tucker; 3:30, Davis and Gallasi, songs; 4:10, The "3" Harps; 4:30, Joe Ross, harmonica; 4:45, George Wright, tenor; 5:05, Sylvia Schatz, pianist; 5:15, Doris Freedman, songs; 10:30, Irving Firstenberg, organist; 10:45, Katherine Adolphe, soprano; 11, Piotti and Val, songs; 11:15, Frankie Meadows, songs; 11:30, Strickland's orchestra; 11:45, members of Princess Flavia company.

WGHB, Clearwater, Fla. (266m-1130kc), 6:30-7:30 p. m., dinner music; 8:30-9:30, the Realatorodores; 11:45-1, Radio Ramblers.

WGHP, Detroit, Mich. (270m-1110kc), 6-7 p. m., dinner concert, Hotel Tuller; 10-11, Skylark dance band and entertainers; 11-12, frolickers; 12-1 a. m., Gerald Marks and his orchestra.

WGR, Buffalo, N. Y. (319m-940kc), 2:30 p. m., WGR's afternoon program; 6:30, Vincent Lopez' Hotel Statler dance orchestra.

WGY, Schenectady, N. Y. (379.5m-790kc), 2 p. m., music; 6:30, dinner program, Ten Eyck concert trio; 7:45, program, Syracuse university; 11:30, Stephen E. Boisclair, organist.

WHAR, Atlantic City, N. J. (275m-1090kc), 2 p. m., Seaside hotel trio; 8, Seaside hotel trio; 9, studio concert; 11:30, dance orchestra.

WIP, Philadelphia, Pa., (508.2m-590kc), 1 p. m., Gimbel tea room orchestra; 3, recital, Philip Jenkins studio; 6:05, Pagoda cafe orchestra; songs, Margaret Keenan; 8:15, The Sesqui-Centennial hour; 8:45, educational talk; 9, The Philomel chorus; 10:15, Nelson Maples and his S. S. Leviathan dance orchestra.

WJAX, Jacksonville, Fla. (336.9m-890kc), 3:30 p. m., Hemming Park band concert, Vessella's band, Oreste Vessella, conductor; 7:30, music memory contest; 8-9, classical recital; 11-12, popular program.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Jean Goldkette's Petite symphony orchestra, soloists; 7:30, Arctic specials; 9, Mulkey celebrities.

WJY, New York, N. Y., (454.3m-660kc), 8:15 p. m., American orchestral concert.

WJZ, New York, N. Y., (454.3m-660kc), 1 p. m., Hotel Pennsylvania concert orchestra; 4:30, Hotel Commodore tea concert; 7:20, Hotel Vanderbilt orchestra; 10:45, Freddie Rich and his Hotel Astor grill orchestra.

WLIT, Philadelphia, Pa., (394.5m-760kc), 12:20 p. m., religious service; 12:35, Benjamin Franklin concert orchestra; 2, Arcadia cafe concert orchestra; 4:30, artist recital; 7:30, Dream Daddy's bedtime stories.

WLWL, New York, N. Y., (288.3m-1040kc), 9:15 p. m., violin; 10, music; 10:30, songs.

WMAK, Buffalo, N. Y. (266m-1130kc), 6:15-7:15 p. m., dinner music.

Here is a modern Pied Piper of Hamlin, Miss Hazel Knox. She charms the children away from home on long ether trips every night at WBAL, Baltimore.

WMCA, New York, N. Y., (340.7m-880kc), 6 p. m., Olcott Vail and his Hotel McAlpin string ensemble; 6:30, Woodmansten Inn orchestra; 7, Jack Denny's orchestra; 7:30, Pace Institute program; 10:30, Tango Gardens orchestra; 11, Ernie Golden and his Hotel McAlpin orchestra; 12, Broadway night.

WNYC, New York, N. Y. (526m-570kc), 7:10 p. m., dance program; 7:35, dance program; 8, studio concert; 9, 32nd Annual Dinner of the Bronx of Trade.

WOO, Philadelphia, Pa., (508.2m-590kc), 11 a. m., organ recital; 12:02 p. m., Crystal Tea Room orchestra, Robert E. Golden, director; 4:45, organ recital; 7:30, Hotel Adelphia orchestra.

WOR, New York, N. Y., (405.2m-740kc), 6:30-7:15 p. m., Jacques Jacobs Hotel Shelton ensemble.

WPG, Atlantic City, N. J. (299.8m-1000kc), 1:30 p. m., Hotel Morton music; 4:30, Chalfonte-Haddon Hall music; 6:45, Arthur Scott Brook, organist; 7, Elks' Home music; 8:15, concert, Dorothy Johnstone Beseler's ensemble of seven harps, assisted by Elsa Meiske, soprano; 10, Atlantic City Estates orchestra; 11, Silver Slipper supper club orchestra.

WRC, Washington, D. C. (468.5m-640kc), 12 noon, Homer L. Kitt studios, organ recital; 12:30 p. m., Lenten services; 1, Hotel Mayflower orchestra; 7, New Willard hotel orchestra; 8, concert, U. S. Army band; 10:45, Meyer Davis' Swanee orchestra.

WTAG, Worcester, Mass. (268m-1120kc), 12:05-2 p. m., noonday luncheon music, WTAG orchestra; 4:30, entertainment.

WTIC, Hartford, Conn. (475.9m-630kc), 6:30 p. m., "Twenty Minutes in Happyland"; 6:50, Hotel Bond trio.

WWJ, Detroit, Mich. (352.7m-850kc), 12:05 p. m., Jules Klein's Hotel Statler orchestra; 3, Detroit News orchestra; 6, dinner concert.

Central Time Stations

KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., Pleasant Ridge Community Farm band.

KFRU, Columbia, Mo. (499.7m-600kc), 4:30 p. m., Bella Vista Quadrangle orchestra.

KMA, Shenandoah, Iowa (252m-1190kc), 11:30-12:30 p. m., noonday rural program; Farnham trio; 2-3, Garden club; 9-10, Delmonico Dreamers.

KPRC, Houston, Tex. (296.9m-1010kc), 12 noon, Optimists' club program; 7:30 p. m., Blanchard's dance orchestra; 8:30, Skyline studio program.

KSD, St. Louis, Mo. (545.1m-550kc), 7:30 p. m., Esmeralda Berry Mayes, pianist.

KSO, Clarinda, Iowa (241.8m-1240kc), 8 p. m., Clarinda band; 10, Florida-Bound concerts.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9 p. m., string quartet, Eastman Four; 9:30, Arthur Platz, tenor; Elizabeth Bowe, accompanist; 9:50, dance music, Meyer Davis' New Arlington hotel orchestra; 10:15-10:45, popular piano melange, Elmer Menard.

KYW, Chicago, Ill. (536m-560kc), 12:05-1 p. m., noonday concert; 1-2, luncheon concert, Congress hotel; 4, afternoon frolic; 6-7, dinner music; 8:20, musical program, Congress hotel; 9, music; 11:30, evening at home.

WAMD, Minneapolis, Minn. (244m-1230kc), 11 p. m., frolic.

WBAP, Fort Worth, Tex. (475.9m-630kc), 6-6:30 p. m., Chief Gonzales' Texas Hotel Royals; 7:30-8:30, classical program; 9:30-11, popular tunes; 11-12, Pantages theater.

WBBM, Chicago, Ill. (226m-1330kc), 4-6 p. m., concert, 8-10, Ziegler sisters; Moulin Rouge orchestra; Two Jays; Charlie Garland; Brewers' Zig Zag trio; Maurice Silverman; Pauline Stiffler Atlass, violinist; Floyd Faich; 10-12, Harry and Sandy; Moulin Rouge orchestra; Harry Brailsford, mandolin; Pearl Jarret, pianologues; Fred Jacobson; Moulin Rouge cafe stars.

WCAL, Northfield, Minn. (336.9m-890kc), 7 p. m., program, Norwegian Lutheran church.

WCBD, Zion, Ill. (344.6m-870kc), 8 p. m., Treble Clef chorus; cornet quartet; mixed quartet; Dorothy Bull, soprano; Newcomer and Stewart, duets; John Studebaker, clarinetist; Gerald Mason, cornetist; Mrs. Mary Bagg, reader; Gladys Gaylor, pianist.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 12 noon, concert, Donaldson's orchestra; 4 p. m., readers' club; 7:30, musical program; 10:20, anniversary program.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., Trianon ensemble; 11:45-1 a. m., Ted Weems' Victor Recording orchestra; Ted Meyn, organist; Billy Adair's orchestra; Jack Little.

WEBH, Chicago, Ill. (370.2m-810kc), 3-4 p. m., features, Uptown theater; 7-8, recital; 9-9:45, Oriole orchestra; Belle Forbes Cutter, soprano; saxophone quintet; Smoky Seven jazz band; 11-12:30 a. m., Oriole orchestra; Belle Forbes Cutter, soprano; Oriole string trio.

WFAA, Dallas, Tex. (475.9m-630kc), 4:30-5 p. m., Jack A. Davis, pianist and baritone; Jack Bell, tenor; 6:30-7:30, Baker hotel orchestra; 8:30-9:30, Edith Beilharz, violinist, assisting musicians.

WGN, Chicago, Ill. (302.8m-990kc), 11-11:30 a. m., morning organ concert, Chicago theater, Dean Fossler; 12:01-12:30 p. m., noon hour entertainment for children; 12:40-2:30, luncheon concert music; 2:30-3, Lyon & Healy artist recital; 3:25, Port o' Missing Men; 3:30-4:15, tea time music; 4:30-5, organ recital, Edward Benedict; 6:45, dinner concert music; 6:45-7, old-time favorite songs; 10-10:10, "Sam 'n' Henry," Radio comic strip; 10:10-10:30, play shop; 10:30-10:45, old-time songs; 10:45, dance music; songs, Correll and Gosden, Freda Leonard and Jewell Barnett.

WHAS, Louisville, Ky. (399.8m-750kc), 1-2 p. m., Benson concert trio; 3-3:30, organ recital, Myrtle Zahn; 4-5, concerts; 7:30-9, concert, 138th Field Artillery band.

WHB, Kansas City, Mo. (365.6m-820kc), 8-9 p. m., Dan Doores, violinist; Messiah double quartet; Ruth Hebert, soprano; Mrs. David Bjorkman, accompanist; Marjorie Standard, pianist; Ethel Rosa Sarman, reader; 9-9:30, Colored Boys quintet.

WHO, Des Moines, Iowa (526m-570kc), 7:30-8 p. m., Raleigh quintet; 8-9, Bankers Life trio; 11-12, Bankers Life "Corn Sugar" orchestra.

WIBO, Chicago, Ill. (226m-1330kc), 2-4 p. m., Shut-in program; 6-8, dinner concert; songs made famous by John McCormack, Walter Preston; Helen Snyder, soprano; Harriet Hebert, contralto; William Moinaire, tenor; string trio; Chester Newman, baritone; Swedish program; 12 midnight, jamboree; Ted Florito, pianist; Dan Russo, violinist; Marie Tully, soprano; Wayne Meyers, reader; Henry Davis; Erwin Cornelius, uke soloist; Jack Goodman.

WJAZ, Chicago, Ill. (322.4m-930kc), 9 p. m., Lois Albright, pianist; Verna McCombs, contralto; Nesta Smith, violinist; Esther Gielo, soprano.

WJJD, Mooseheart, Ill. (370.2m-810kc), 2-3 p. m., Howard L. Peterson, organist; 4-5, music, children; 5:30-7, Jack Nelson; Palmer House symphonic players; Howard L. Peterson, organist; Palmer House Victorians; 8-9, music, children; 10-11, Palmer House Victorians; 12:30, Palmer House Victorians; Jack Nelson.

WKAF, Milwaukee, Wis. (261m-1150kc), 8:30-10 p. m., Trixie Ann Troy's Royal Hawaiians; Michael Swedish, baritone; Spencer Reuter, tenor.

WLIB, Chicago, Ill. (302.8m-990kc), 7-7:30 p. m., musical program; 7:30-8, Hire's Harvesters; 11-1 a. m., dance music; songs, Correll and Gosden; Hawaiian guitar music, Langdon Brothers.

WLW, Cincinnati, Ohio (422.3m-710kc), 4 p. m., piano recital, Adelaide Apfel; 7, Hotel Gibson orchestra; 8, sonata for piano and violin, William and Rosemary Stoess; 8:15, Cincinnati Conservatory of Music; 9:30, musical program, Harry Hess; 10, Doherty Melody Boys; 10:45, cello solos, Arthur Brecht, Cincinnati symphony orchestra; 11:15, Irene Downing, player-roll artist; Tommy Reynolds; 11:45, Castle Farm; 12:15 a. m., "Night Howls," Crosley Pups in midnight frolic.

WMAQ, Chicago, Ill. (447.5m-670kc), 4:45 p. m., pupils, Adolph Laflin, pianist; 6, Chicago theater organ; 6:30, Hotel La Salle orchestra; 9:20, United Lutheran churches; 9:55, chimes.

WMBB, Chicago, Ill. (250m-1200kc), 7-8 p. m., Tria-

NEWS BULLETINS

Daily Except Sunday

Eastern	Central	Mountain	Pacific	
9:45 a. m.	8:45 a. m.	7:45 a. m.	6:45 a. m.	KDKA (309.1m-970kc).
10	9	8	7	WGN (302.8m-990kc).
10:35	9:35	8:35	7:35	WCCO (416.4m-720kc).
11	10	9	8	WOAI (394.5m-760kc).
12 n.	11	10	9	CFCA (356.9m-840kc); KDKA (309.1m-970kc); KPRC (296.9m-1010kc).
12:30 p. m.	11:30	10:30	9:30	WCAE (461.3m-650kc).
1	12 n.	11	10	KGW (491.5m-610kc); KNX (336.9m-890kc).
1:15	12:15 p. m.	11:15	10:15	WOAI (394.5m-760kc).
3:45	2:45	1:45 p. m.	12:45 p. m.	WHAS (399.8m-750kc).
4	3	2	1	WCX (516.9m-580kc).
4:30	3:30	2:30	1:30	WCAE (461.3m-650kc); WFAA (475.9m-630kc).
6	5	4	3	CFCA (356.9m-840kc).
6:30	5:30	4:30	3:30	WPG (299.8m-1000kc).
7	6	5	4	KOIL (278m-1080kc); WOC (483.6m-620kc).
7:15	6:15	5:15	4:15	WMAK (265.6m-1130kc); WOAI (394.5m-760kc).
8	7	6	5	WMBF (384.4m-780kc); WMCA (340.7m-880kc).
9	8	7	6	WSAI (325.9m-920kc).
9:30	8:30	7:30	6:30	KPO (428.3m-700kc).
10	9	8	7	KLX (508.2m-590kc).
10:45	9:45	8:45	7:45	WEBH (370.2m-810kc).

Sunday

Eastern	Central	Mountain	Pacific	
8 p. m.	7 p. m.	6 p. m.	5 p. m.	WMAK (265.6m-1130kc).
8:15	7:15	6:15	5:15	WEBH (370.2m-810kc).
9	8	7	6	WPG (299.8m-1000kc).
12	11	10	9	KFWB (252m-1190kc).

KYW, "The World Crier," broadcasts news every half hour from 8 a. m. to 2 a. m.

CHINESE MUSIC FEATURE OF WGY

Thursday, March 4

non duo; 9-11, Trianon orchestra, Dell Lampe, director; Woodlawn theater orchestra, Walter Kipp; Lucile O'Hara, soprano; Tommie Hughes, baritone; Bob Duffy, tenor; Clinton Keithley, singer and pianist; Celeste specialties.

WMC, Memphis, Tenn. (499.7m-600kc), 8:45 p. m., Cortese ensemble.

WOAI, San Antonio, Tex. (394.5m-760kc), 8:30 p. m., Mistletoe Melody Maids.

WOAW, Omaha, Nebr. (526m-570kc), 12:45 p. m., Gilbert Jaffy's orchestra; 4:15, Adams' orchestra; 6, Dorothy Chenoweth Lowden, harpist; E. M. Mills, trumpet; 6:20, Manna Kea trio; 6:50, Randall's Royal Fontenelle orchestra; 9, de luxe; 10:30, Herb Feierman's orchestra; 12, Roseland Radio frolic; Frank Hodek's Nightingale orchestra.

WOC, Davenport, Ia. (483.6m-620kc), 5:45-6 p. m., chimes concert; 7-7:30, musical program; 7:30-8, "Plow Boys' quartet"; 11-12, Le Claire hotel orchestra; song numbers, Peter MacArthur, baritone.

WOI, Ames, Iowa (270m-1110kc), 12:30 p. m., college chimes.

WOK, Chicago, Ill. (217.3m-1380kc), 4:30-7 p. m., Capitol theater organ; program; 10-1:30, Tearney's Town club orchestra; Carl Lorraine's Pershing Palace orchestra; Husk O'Hare's Cocoanut Grove orchestra; Capitol theater program; program.

WORD, Batavia, Ill. (275m-1090kc), 8 p. m., Webster hotel trio; 8:15, International Sunday school lesson; 8:30, program, Cosmopolitan School of Music.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Boston Store hour; concert trio, violin, cello and piano; Clement Laskowski, tenor; 10-1 a. m., Ralph Williams and his Rainbo Skylarks; Ambrose Wyrick, tenor; Jerry Sullivan; Rose Vanderbosch, soprano and pianist; Hal Lansing, uke soloist; Lew Butler; Anne Keim, mezzo-soprano; Bert Davis; Marie Pollitt, and artists; 1-2, Ginger hour, Ralph Williams, the Ginger Man, and Little Skylarks.

WSAI, Cincinnati, Ohio (325.9m-920kc), 7 p. m., musical program; 8, Clicquot Club Eskimos; 9, Silvertown Cord orchestra.

WSB, Atlanta, Ga. (468.5m-640kc), 8 p. m., Atlanta Bell Hops orchestra; 10:45, Dr. Charles A. Sheldon, Jr., organist.

Mountain Time Stations

CFAC, Calgary, Can. (434.5m-690kc), 9 p. m., Mrs. F. A. Maclean, contralto, assisted by the C. N. R. orchestra.

KFWA, Ogden, Utah (261m-1150kc), 4-5 p. m., organ recital, Paramount theater; 5-6, Ogden Radio dealers program.

KFXF, Colorado Springs, Colo. (250m-1200kc), 8:30-11 p. m., musical program.

KOA, Denver, Colo. (322.4m-930kc), 12:15 p. m., Rialto theater organ recital, Marjorie Nash; 6:30, dinner concert, Brown Palace string orchestra.

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 5:30-6 p. m., Bamboo Gardens orchestra; 6:15, KFI's Seeing California; 6:30, vest pocket program; 7-8, program by students university of Southern California; 8-9, program, Rexall Stores of Southern California and Arizona; 9-10, program from Chickering hall; 10-11, Packard Six dance orchestra.

KFON, Long Beach, Calif. (232.4m-1290kc), 6-6:30 p. m., Brayton's theater organ; 7-7:30, studio program; 7:30-8, Long Beach Municipal band; 8, Hewitt's book chat; 8:15-9, Long Beach Muncipal band; 9-11, dance music.

KFWB, Hollywood, Calif., (252m-1190kc), 8-9 p. m., Hy Kasch and his dance orchestra, Lola Gill, ballads and Frances St. George, the Jazzmania girl of KFWB; 9-10, program, Don P. Smith, Inc., Diana-Moon dance orchestra; Sol Hoopii's Hawaiians and Ashley sisters, vocal duets; 10-11, Warner Brothers frolic, Sunset Canyon Country club dance orchestra.

KGO, Oakland, Calif. (361m-830kc), 4-5:30 p. m., Hotel St. Francis concert orchestra; 8, "Interurban," rural comedy; music, Arion trio; 10-1 a. m., Brokaw and his orchestra.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., Olds, Wortman and King company.

KHJ, Los Angeles, Calif. (405.2m-740kc), Jeanne de Bard, Charlotte Palen and Uncle John; 8-10, program, Cochran Bros. with Caswell Coffee orchestra.

KJR, Seattle, Wash. (384.4m-780kc), 1:30-3 p. m., Post-Intelligencer program; 7-8:30, Eureka mixed quartet program.

KMTR, Hollywood, Calif. (238m-1260kc), 6-7 p. m., Starr Piano company studio; 8-10, KMTR concert orchestra, Loren-Powell, director.

KNX, Hollywood, Calif., (336.9m-890kc), 5:30 p. m., Leighton's Arcade cafeteria orchestra; 6:30-7, Atwater Kent concert orchestra; 7-8, H. L. Crockett company with Ilya Bronson, concert cellist; May McDonald Hope, pianist and Corrine Redd, soprano; 8-9, program, Willys-Overland dealers; 9-11, KNX feature program; 11-12, Cocoanut Grove dance orchestra.

KPO, San Francisco, Calif. (428.3m-700kc), 1-2 p. m., Rudy Seiger's Fairmont hotel orchestra; 2:30-3:30, matinee program; 3:30-4:30, Cyrus Trobbe's Palace hotel concert orchestra; 6:30-7, Waldemar Lind and the States restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel orchestra; 8-10, Shrine night; 10-11, Cabiria cafe orchestra.

KPSN, Pasadena, Calif. (315.6m-950kc), 8-9 p. m., program.

KQP, Portland, Ore. (319m-940kc), 8-9 p. m., studio program; 9-11, Studebaker Six orchestra.

KTAB, Oakland, Calif. (240m-1250kc), 8-10 p. m., studio program.

Friday, March 5

Headliners Today

Eastern	Central	Mountain	Pacific
8 p. m.	7 p. m.	6 p. m.	5 p. m.

WTIC (475.9m-630) Cartoon lesson.

8:15	7:15	6:15	5:15

WGY (379.5m-790kc), Serial play.

8:30	7:30	6:30	5:30

WGHB (266m-1130kc) The Monkey Man.
WHC (526m-570kc) Double quartet.

9:30	8:30	7:30	6:30

WEAA (475.9m-630kc) An Ideal Radio program.

10	9	8	7

WJZ (454.3m-660kc), WGY (379.5m-790kc), WBZ (333.1m-900kc) Baldwin hour of music.

10:15	9:15	8:15	7:15

KOA (322.4m-930kc) Elks quartet.

11	10	9	8

WLIT (394.5m-760kc) Morning Glory club.

11:25	10:25	9:25	8:25

KTHS (374.8m-800kc) Accordion specialties.

Friday, silent night for: CFAC, CHIC, CKNC, CKY, CNRC, CNRM, CNRO, CNRR, CNRW, KFAU, KFEQ, KFKU, KUOA, KFWA, KFXF, KGO, KFAU, KLDS, KPRC, KUOM, PWX, WBBR, WCAD, WCBD, WEAO, WEBW, WGBS, WGST, WHAZ, WIP, WJAZ, WKRC, WLW, WLWL, WMAK, WNAD, WRC, WREO, WRVA, WSAI, WSUI, WSMB, WTAM.

Eastern Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 12:20 p. m., Sunday school lesson, James C. Mace; 6:30, dinner concert; 9, concert; 10:05, Teaberry time.

WABQ, Haverford, Pa. (260.7m-1150kc), 11 p. m., Ardmore theater.

WBAL, Baltimore, Md. (246m-1220kc), 6:30-7:30 p. m., WBAL dinner orchestra; 7:30-8, WBAL quartet; 8-9, musical program; Post Office Glee club of negro voices; 9-10, WBAL string trio; John Wilbourn, tenor.

WBZ, Springfield, Mass. (333.1m-900kc), 6:30 p. m., Hotel Kimball orchestra; 8, Edwin J. McEnelly and his orchestra; 8:30, Boston Symphony orchestra artists; 10, Baldwin hour of music, WJZ, WGY, Joseph Szigeti, violinist; Walter Gieseking, pianist.

WCAP, Washington, D. C. (468.5m-640kc), 6-12:30 p. m., Mozart string quintet; playlet.

WCAU, Philadelphia, Pa., (277.6m-1080kc), 6:45 p. m., Hotel Pennsylvania concert orchestra; 7:30, recital, N. Snellenburg and company; 8:30, The Singing Groundhog; 8:45, The Bryan Girl; 9 recital; 9:30, The Sea Gulls; 10, Willie Horowitz, songs; 10:30, Jack Myers' Musical Architects.

WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., Goldkette's ensemble; 8-9, studio program; 9-10, dance music, Jean Goldkette's Breeze Blowers and his Victor Recording orchestra.

WDBO, Winter Park, Fla. (239.9m-1250kc), 9-10:30 p. m., Sanlando harmonizers.

WEAF, New York, N. Y., (491.5m-610kc), 4 p. m., Harriet Ochn, mezzo-soprano; 4:15, Charles Phillips, pianist; 4:30, John Quine, baritone; Vincent Lopez and his orchestra from Tea room of Hotel Ritz-Carlton; 6-7, dinner music, Rose room of Hotel Waldorf-Astoria; 7, William Scotti and Club Florida orchestra; 7:45, Pauline Watson, violinist; 8, Happiness candy boys; 8:30, Eagle Neutrodyne trio; 9, Chamber musicale; 9:30, Vikings; 10, Whittall Angelo's Persians; 10:30, musical program; 11-12, Ben Bernie and orchestra from Hotel Roosevelt.

WEAR, Cleveland, Ohio (389.4m-770kc), 7 p. m., WorOnt.; 8:30, Dutch Master's saxophone sextet; 9, Winger's Crescent Park entertainers; 10:30, Hewitt Humorists of Buffalo; 11, Vincent Lopez Hotel Statler dance orchestra; John F. Gunderman, Jr., organist.

WGY, Schenectady, N. Y. (379.5m-790kc), 2 p. m., Asia restaurant orchestra; 6:30, international Sunday school lesson; 7, dinner program, Eastman theater; 8:15, "A Step On the Stairs," Radio Digest serial mystery play; 10, Baldwin piano hour; Josef Szigeti, violinist; Walter Gieseking, pianist; 11-12, WGY orchestra; John L. Martin, baritone.

WHAR, Atlantic City, N. J. (275m-1090kc), 2 p. m., Seaside hotel trio; 8, trio.

WIP, Philadelphia, Pa., (508.2m-590kc), 1 p. m., Gimbel tea room orchestra; 6:05, Benjamin Franklin concert orchestra; Astor Singing club.

WJAX, Jacksonville, Fla., (336.9m-890kc), 3:30 p. m., Hemming Park band concert, Vessella's band, Oreste Vessella, conductor; 7:30, music memory contest; 8-10, popular program.

WJZ, New York, N. Y., (454.3m-660kc), 1 p. m., Hotel Ambassador trio; 4:30, Hotel Astor tea orchestra; 7, Hotel Commodore concert orchestra; 8:30, bonnie laddies; 10, Baldwin piano company; 11, Hotel Lorraine grill orchestra.

WLIT, Philadelphia, Pa., (394.5m-760kc), 12:20 p. m., religious service; 12:35, Arcadia cafe concert orchestra; 2, Arcade cafe concert orchestra; 8, sports talk; 8:15, Arcadia cafe concert orchestra; 10, Meeting of the Morning Glory club; songs, Carl Zoehrns; Arcadia cafe dance orchestra; 10:30, Rufus and Rastus.

WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Olcott Vail and his Hotel McAlpin string ensemble; 6:30, Ernie Golden and his Hotel McAlpin orchestra; mack's singing syncopators; 8:15, program; 10:30, Wormack's singing syncopators.

WEEI, Boston, Mass. (348.6m-860kc), 3:05 p. m., George Joy and Nell Cantor, popular songs; 5, Frankie Ward and his orchestra; 6:13, Joe Rines and his Hunters' Cabin orchestra; 8:20, Louis J. Allard, pianist; 9:30, Carter's Incas; 10:30, Lexington Manor orchestra; 11, American House Marimba band.

WEMC, Berrien Springs, Mich., (285.5m-1050kc), 8:15 p. m., chapel service; Lighthouse chapel choir; Thelma Abel, soprano; Mrs. Wayne White, alto; Prescott Fairchild, violinist.

WFI, Philadelphia, Pa., (394.5m-760kc), 1 p. m., Tea room ensemble; 3, Sesqui-Centennial Hour; 6:30, Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra.

WGBS, New York, N. Y. (315.6m-950kc), 1:35 p. m., Eva Hodgkins, soprano; 1:45, Chauncey Norther, tenor; 3:10, Edith Gibson, soprano; 3:20, Adele Heyman, dramatic impersonations.

WGCP, New York, N. Y. (252m-1190kc), 3 p. m., Ona Welsh, pianist; 3:30, Joe Sherman, Jack Neal, songs; 3:45, Katherine Adolphe, soprano; 4:15, Frankie Meadows, songs; 4:30, Charol de Thomee, pianist; 4:45, Ruby Cowan, songs; 5:10, Clarence Profit, pianist.

WGHB, Clearwater, Fla. (266m-1130kc), 6:30-7:30 p. m., dinner music; 7:30-7:45, Giles W. Quarles, "The Monkey Man;" 8:30-9:30, Caroline Lee; 11:45-1 a. m., Radio Rambler.

WGHP, Detroit, Mich. (270m-1110kc), 6-7 p. m., dinner concert, Hotel Tuller; 10-11, entertainers in playlet; 11-12, Skylark dance band; 12-1 a. m., Gerald Marks and his orchestra.

WGR, Buffalo, N. Y. (319m-940kc), 2:30 p. m., WGR's afternoon program; 6:30, Joe Stewart's club orchestra; 8:15, Mrs. Emmeline Miles Ibbot, pianist, Welland, 7:30, Sach's Musical Monarchs; 8, Woodmansten Inn orchestra; 8:30, J. & T. Cousins shoe style talk; 8:50, Broadway association; 9, Hardman Hour of music; 11, Hofbrau Haus entertainers; 11:30, Jack Denny's orchestra; 12, McAlpin hotel entertainers.

WNYC, New York, N. Y., (526m-570kc), 6:20 p. m., songs; 8, concert program.

WOO, Philadelphia, Pa., (508.2m-590kc), 11 a. m., organ recital; 12:02 p. m., crystal tea room orchestra, Robert E. Golden, director; 4:45, organ recital; 8, WOO orchestra; 9, Hohner Harmony Four; 9:30, Fox theater orchestra, Adelph Korspan, director; 10, organ recital; 10:30, Sylvania dance orchestra.

WOR, New York, N. Y., (405.2m-740kc), 3-4 p. m., Zit's Central Park Casino tea music; 6:15, Bill Wathey's sport talk; 6:45-7:30, Copenhagen quartet.

WPG, Atlantic City, N. J. (299.8m-1000kc), 6:45 p. m., Arthur Scott Brook, organist; 7, Hotel Morton music; 7:30, Hotel Ambassador concert; 8:15, concert; 9, Hotel Traymore orchestra; 9:30, Hotel Traymore dance orchestra; 10, James' Salt Water Taffy Boys' orchestra; 11, Jean Weiner, organist.

WRC, Washington, D. C. (468.5m-640kc), 12 noon, organ recital, Otto F. Beck; 12:30 p. m., Lenten services; 1, Meyer Davis' New Willard hotel orchestra; 3:30, concert, U. S. Marine band orchestra; 5, W. Spencer Tupman's Hotel Mayflower orchestra.

WTAG, Worcester, Mass. (268m-1120kc), 12:05-2 p. m., noonday luncheon music; 3-5, Tea Dansant music; 8:15-9:30, concert program.

WTIC, Hartford, Conn. (475.9m-630kc) 12:05 p. m., Travelers club orchestra; 6:30, Hub trio; 8, concert, Coast Guard band; 9, Virginia Cain, contralto; Estelle Grossman, pianist; 10, Frank Farrell, baritone; 11, dance music.

WWJ, Detroit, Mich. (352.7m-850kc), 12:05 p. m., Jules Klein's Hotel Statler orchestra; 3, Detroit News orchestra; 6, dinner concert; 8, News orchestra and soloists; 9:30, dance program.

Central Time Stations

KFAB, Lincoln, Nebr., (340.7m-880kc), 5:30-6:30 p. m., dinner concert; 8:30-10:30, variety program, artists.

KFDM, Beaumont, Tex. (315.6m-950kc), 8-10 p. m., Refinery band.

KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., Sunday school lesson; 7:30, pipe organ concert.

KFRU, Columbia, Mo. (499.7m-600kc), 4:30 p. m., Bella Vista Quadrangle orchestra; 12-1 a. m., Stephens college; 1-2, Bella Vista orchestra.

KMA, Shenandoah, Iowa (252m-1190kc), 11:30-12:30 p. m., noonday rural program; Walter Nixon, pianist; 6-7, How-Do-You-Do boys, Grady and Doc; Auntie Blossom and the Slumber Boat; 9-11, George Kerrihard.

KPRC, Houston, Tex. (296.9m-1010kc). 12 noon, Frank Tilton, boy pianist.

KSD, St. Louis, Mo. (545.1m-550kc), 7:30 p. m., recital, Eugene Enzinger, baritone; Mrs. Frank Habig, pianist.

KSO, Clarinda, Iowa (241.8m-1240kc), 7-8:30 p. m., music, F. F. Armstrong.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9-9:30 p. m., request selections, staff artists; 9:30, Phil Baxter and his Jack-o'-Lantern Night club frolic; 10:25, accordion specialties, Joe Kountz; 10:45-11:15, dance music, Eastman Eight.

KYW, Chicago, Ill., (536m-560kc), 12:05-1 p. m., luncheon concert; 1-2, noon-day concert, Congress hotel; 6-7, dinner music; 9, music; 10-12:30, midnight revue; 1 a. m., Insomnia club.

WAMD, Minneapolis, Minn. (244m-1230kc), 8 p. m., Reception Five program; 11, frolic.

WBAP, Fort Worth, Tex. (475.9m-630kc), 6-6:30 p. m., Chief Gonzales' Texas Hotel Royals; 7:30-8:30, Postoffice band; 9:30-11, Texas Christian university; 11, Panther Hawaiian trio.

WBBM, Chicago, Ill., (226m-1330kc), 4-6 p. m., Shut-in program; 8-10, Moulin Rouge orchestra; Two Jays; Brewers' Zig Zag trio; Verdi trio; Dave Handler, violinist; Floyd Falch.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 2:30 p. m., concert, Dick Long's Nankin cafe orchestra 6:15, dinner concert, Dick Long's Nankin cafe orchestra; 8:15, musical program; 10:05, dance program, Dick Long's orchestra.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., Trianon ensemble; 11:45-1 a. m., Ted Weems' Victor Recording orchestra; Eddie Kuhn's orchestra; Ben Bernie's orchestra; Jack Little.

WEBH, Chicago, Ill., (370.2m-810kc), 3-4 p. m., features; 7-8, Oriole orchestra; brass quintet; Pauline Sachs, soprano; Don Bernard, tenor; Eleanor Kaplan, violinist; 9-9:45, Oriole orchestra; WEBH light opera company; 11-12:30 a. m., Oriole orchestra; Mark Fisher, songs; marimba band; Irene Beasley, Jack Penewell, Fred Palmiter.

WFAA, Dallas, Tex. (475.9m-630kc), 12:30-1 p. m., Sunday school lesson; music; 3:30-4, Sears-Roebuck program; 4:30-5, Ewen Hall, tenor; Noel Shaw, pianist; 6:30-7:30, J. Frank Copeland presentation of singers.

WGN, Chicago, Ill. (302.8m-990kc), 12:40-2:30 p. m., luncheon concert music; 2:30-3, Lyon and Healy artists' recital; 3:25, Port o' Missing Men; 3:30-4:15, tea time music; 4:30-5, organ recital, Edward Benedict; 5:30-5:57, Skeezix time for children; 6:30-6:45, dinner concert music; 6:45-7, old-time favorite songs; 8-8:30, Cities Service quartet; 10-10:10, "Sam 'n' Henry," Radio comic strip; 10:10-10:30, play shop; 10:45-11, dance music; songs, Correll and Gosden, Freda Leonard and Jewell Barnett; Hawaiian guitar music, Langdon brothers.

WHAS, Louisville, Ky. (399.8m-750kc), 1-2 p. m., concert, Royal Peacock orchestra; 3-3:30, organ recital, Myrtle Zahn; 4-5, concerts; 7:30-9, concert, Kentucky Music Teachers' association.

WHB, Kansas City, Mo. (365.6m-820kc), 2-3 p. m., Sweeney Radio trio; 7-8, orchestra; Harry Kessell, popular songs; Lola Cook, pianist; Milo Finley stringed trio.

WHO, Des Moines, Iowa (526m-570kc), 2:15 p. m., George Getsey, soloist; 7:30-9, double quartet, directed by H. C. Olson, George Getsey; Stewart Watson, baritone, Helen Birmingham, accompanist; 11-12, dance program.

WJAZ, Chicago, Ill. (322.4m-930kc), 9-1 a. m., diversified studio and dance program, Club Chez Pierre.

WJJD, Mooseheart, Ill. (370.2m-810kc), 12-1 p. m., Palmer House symphonic players; trio; 2-3, organ hour, Howard L. Peterson; child artists; assembly of 1,250 children; 5:30-7, instrumental hour; Palmer House symphonic players; Jack Nelson; Victorians; 8-9, children's hour; 10-11, feature hour; Senator Harold C. Kessinger; Palmer House Victorians; 12:30 a. m., Knights of the Burning Candle.

WKAF, Milwaukee, Wis. (261m-1150kc), 10-11 p. m., program.

WLIB, Chicago, Ill. (302.8m-990kc), 7:30-8 p. m., musical program; 11-1 a. m., dance music; songs, Correll and Gosden; Freda Leonard and Jewell Barnett.

WLS, Chicago, Ill., (344.6m-870kc), 6 p. m., Ford and Glenn; 6:40, Ralph Emerson, organist;.7, lullaby time; 7:20, WLS trio; 7:50, "Seigfried Sassoon," Wallace Bruce Emsbary; 8:35, Ford and Glenn; 9, Little Symphony orchestra; 10:30, Ford and Glenn; 11, surprise program.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 8:30, Whitney trio; 9, lecture, U. of C.; 9:20, Elizabeth Stokes, soprano; 9:55, chimes.

WMBB, Chicago, Ill. (250m-1200kc), 7-8 p. m., Trianon duo; Adele Hart, soprano; Frank Chaplin, tenor; "The Old Virginia Colonel"; Frank Bordner, baritone; 9-11, Trianon orchestra, Dell Lampe, director; Woodlawn theater orchestra, Walter Kipp; Scotty Welsh and Madison Sisters, "The Golden Harmony Trio"; Joe Warner, character songs; Eddie Matts and Billie Donovan, singer and pianist; Gladys Freeman, "The Wonder Girl of the Ivories"; popular program.

WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Atwater Kent program; 11, midnight frolic.

WOAI, San Antonio, Tex. (394.5m-760kc), 3 p. m., concert; 8:30, San Antonio College of Music program.

WOAW, Omaha, Nebr. (526m-570kc), 1 p. m., Randall's Royal Fontenelle orchestra; 4:15, Blah club; 6, music review, Hester Bronson Copper; 6:20, Francis Potter's banjo orchestra and soloists; 6:50, Gilbert Jaffy, violinist; Nat Young, pianist; Karl Tunberg, pianist; 10:30, Frank Hodek and his Nightingale orchestra.

WOC, Davenport, Iowa (483.6m-620kc), 4-5 p. m., Crescent orchestra; 5:45-6, chimes concert.

WOI, Ames, Iowa (270m-1110kc), 12:30 p. m., college chimes.

WOK, Chicago, Ill. (217.3m-1380kc), 4:30-7 p. m., Capitol theater organ; Pat Hoster, tenor; 10-1:30 a. m., Tearney's Town club orchestra; Carl Lorraine's Pershing Palace orchestra; Husk O'Hare's Cocoanut Grove orchestra; Capitol theater program; program.

WORD, Batavia, Ill. (275m-1090kc), 7 p. m., program, North Shore line; 8, Uncle Dan; 9, recital, Glenn Dillard Gunn School of Music; 11, program, W. A. Sheaffer Pen company.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., dinner concert, Ralph Williams and his Rainbo Gardens orchestra; Henrietta Nolan, violinist; Willard O. Johnson, pianist; Margaret Cade, coloratura soprano; Madeline Ruff, pianist; 10-1 a. m., Ralph Williams and his Rainbo Skylarks; Ambrose Wyrick, tenor; Dr. H. Lucille Long, woman harmonica player; Eleanor Terry; Melodians; Romo Vincent, baritone; Merrill Carder; Johnny Poats, baritone; artists; 1-2, Ginger hour, Ralph Williams, Ginger Man, and Little Skylarks.

WSB, Atlanta, Ga. (468.5m-640kc), 8 p. m., Herbert L. Kinsey, tenor; Ralston H. Kinsey, pianist; 10:45, Nunnallys miniature symphony orchestra.

WSM, Nashville, Tenn. (282.8m-1060kc), 6:30 p. m., Francis Craig's orchestra; 8, Mrs. W. V. Clarke, soprano; 10, Nashville Kiwanis club.

Mountain Time Stations

CFAC, Calgary, Can. (434.5m-690kc), 7 p. m., salon broadcast.

KFWA, Ogden, Utah, (261m-1150kc), 4-5 p. m., organ

EDUCATIONAL FEATURES

Saturday, February 27

Eastern	Central	Mountain	Pacific
7:30 p. m.	6:30 p. m.	5:30 p. m.	4:30 p. m.

WHAR (275m-1090kc) Lecture period

8:15	7:15	6:15	5:15

KOIL (278m-1080kc) Educational period, University of Omaha.

Monday, March 1

Eastern	Central	Mountain	Pacific
6:30 p. m.	5:30 p. m.	4:30 p. m.	3:30 p. m.

WNYC (526m-570kc) German lesson.

7	6	5	4

WEAF (491.5m-610kc) Columbia university lecture.
WNYC (526m-570kc) Advanced German lesson.
WKAR (285.5m-1050kc) "As Portrayed in Modern Literature," Irma Gross.

7:30	6:30	5:30	4:30

KSAC (340.7m-880kc) Sociology.

8:30	7:30	6:30	5:30

WOI (270m-1110kc) Automobile course, Prof. A. Shane.
WSUI (483.6m-620kc) College of the Air.

9	8	7	6

CKY (384.4m-780kc) University lecture.

9:35	8:35	7:35	6:35

KSL (299.8m-1000kc) History of Physics.

10	9	8	7

KOA (322.4m-930kc) Spanish lesson.

11	10	9	8

KGO (361.2m-830kc) "Better English," Wilda Wilson Church; "The New and Old in the Reconstruction," Dr. Willard Smith.
KOA (322.4m-930kc) Voice culture.

Tuesday, March 2

Eastern	Central	Mountain	Pacific
7 p. m.	6 p. m.	5 p. m.	4 p. m.

WKAR (285.5m-1050kc) Nature study.
WLW (422.3m-710kc) Historical appreciation of music, Etelka Evans.

7:10	6:10	5:10	4:10

WEAF (491.5m-610kc) French course.
WRC (468.5m-640kc) Radio school of international relations.

7:30	6:30	5:30	4:30

KSAC (340.7m-880kc) Better speech, etiquette, economics.
WGY (379.5m-790kc) "Organic Evolution," Prof. James W. Mavor.

9:05	8:05	7:05	6:05

KFAB (340.7m-880kc) Course—Business English.
WEAO (293.9m-1020kc) "Illumination," Prof. F. C. Caldwell.
WEAO (293.9m-1020kc) "Public Speaking," Hayes Yeager.

10	9	8	7

WOC (483.6m-620kc) Travel lecture, "Around the World in Eight Months in Eight Nights," B. J. Palmer.

10:15	9:15	8:15	7:15

KFVE (240m-1250kc) "Good English and Rhetoric," Prof. Adolphus Watts.

Wednesday, March 3

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.

KGO (361.2m-830kc) Speaker from Williams institute.

6:30	5:30	4:30	3:30

WNYC (526m-570kc) Spanish lesson, V. H. Berlitz.

7	6	5	4

WNYC (526m-570kc) Advanced Spanish lesson.
WMAQ (447.5m-670kc) Lecture, Northwestern university.

7:30	6:30	5:30	4:30

WBZ (333.1m-900kc) Radio nature league, Thornton W. Burgess.
WMCA (340.7m-880kc) Prof. Cortina's Spanish lesson.

Eastern	Central	Mountain	Pacific
7:40 p. m.	6:40 p. m.	5:40 p. m.	4:40 p. m.

WTAG (268m-1120kc) Spanish lesson, Mrs. John de la Parra.

7:45	6:45	5:45	4:45

WJZ (454.3m-660kc) New York university course.

8	7	6	5

WEAO (293.9m-1020kc) "Color and Color Problems," Prof. Howard D. Minchin.

8:20	7:20	6:20	5:20

WMCA (340.7m-880kc) Talk on securities.

8:30	7:30	6:30	5:30

WSUI (483.6m-620kc) College of the Air.

8:45	7:45	6:45	5:45

WTAG (268m-1120kc) Spanish lesson, Mrs. John de la Parra.

9	8	7	6

WLWL (288.3m-1040kc) Educational talk.

9:35	8:35	7:35	6:35

KSL (299.8m-1000kc) "The Story of Electricity," Dr. J. F. Merrill.

10	9	8	7

WSOE (246m-1220kc) "Contacts"; "Electrospect."
WSAI (325.9m-920kc) University of Cincinnati.

9	8	7	6

KUOA (299.8m-1000kc) "Style of Architecture," B. N. Wilson; "Don't Blame tthe Middleman," G. R. Esterly; "Modern Architecture," W. B. Allen; "Democracy and Education," J. R. Jewell; "Location Surveys," W. N. Gladson.

Thursday, March 4

Eastern	Central	Mountain	Pacific
7:15 p. m.	6:15 p. m.	5:15 p. m.	4:15 p. m.

KOIL (278m-1080kc) Educational period, Public Library.

7:30	6:30	5:30	4:30

KSAC (340.7m-880kc) Music, educational psychology.

8	7	6	5

WEAO (293.9m-1020kc) "The Abuse of Political Phrases," Prof. Francis W. Coker.

8:30	7:30	6:30	5:30

WEAO (293.9m-1020kc) "Illumination," Prof. F. C. Caldwell.

Friday, March 5

Eastern	Central	Mountain	Pacific
4 p. m.	3 p. m.	2 p. m.	1 p. m.

KFAB (340.7m-880kc) Science lectures.

5:30	4:30	3:30	2:30

KSAC (340.7m-880kc) Lessons in color and design.

6:30	5:30	4:30	3:30

WNYC (526m-570kc) French lesson.

7	6	5	4

WNYC (526m-570kc) Advanced French.

7:30	6:30	5:30	4:30

WBZ (333.1m-900kc) "Appreciation of Music," Prof. John A. O'Shea.
KSAC (340.7m-880kc) Travelogue.

7:35	6:35	5:35	4:35

WGY (379.5m-790kc) "French by Radio," Leon A. Huguemont.

8	7	6	5

WPG (299.8m-1000kc) Educational series.

9:30	8:30	7:30	6:30

KOB (348.6m-860kc) "A Trip Through Historic New Mexico," Prof. Fabian Garcia; "Chemical Helps About the Home," G. R. Hamiel.

9:35	8:35	7:35	6:35

KSL (299.8m-1000kc) History of Astronomy and Mathematics.

10:10	9:10	8:10	7:10

WNYC (526m-570kc) Board of Education.

10:15	9:15	8:15	7:15

WTIC (475.9m-630kc) Cartoon lessons, Bud Kingston.
WOC (483.6m-620kc) Travel lecture.

CARTOON LESSONS THROUGH WTIC

Friday, March 5

recital, Paramount theater; 5-6, Ogden Radio dealers program.

KOA, Denver, Colo. (322.4m-930kc), 12:15 p. m., Rialto theater organ recital, Marjorie Nash; 6:30, dinner concert, Brown Palace string orchestra; 8, instrumental program, Scheuerman's orchestra; 8:15, program, Loveland, Colo., Chamber of Commerce; Elks' quartet; Rose and KOA orchestras; Indian legends; instrumental solos, Monte Wagner, Bobbie Tesch, Georgia Kumleh, Opal Glassgow and Mrs. Andrew Rose; vocal numbers, Artie Gregg, Margaret Foote, Ruth King, Mrs. John Cunningham, Florence Buck, Ida Malcom, Effie Smith, Jennie Finley.

KOB, State College, N. M. (348.6m-860kc), 7:30-8:30 p. m., Columbus Boys band.

Pacific Time Stations

KFI, Los Angeles, Calif., (467m-642kc), 5:30-6 p. m., program, undersheriff Biscailuz; 6:15, KFI's Seeing California; 6:30, vest pocket program; 6:45, Radiotorial period; 7-8, varied program; 8-9, Dan L. McFarland, organist; 9-9:30, Wm. MacDougall, Scotch comedian; 9:30-10, Mutual Motors mirth contest; 10-11, Louise Klos trio.

KFON, Long Beach, Calif., (232.4m-1290kc), 6-6:30 p m., Brayton's theater organ; 7-8, courtesy program; 8-9, Press-Telegram studio; 9-10, studio program; 10-12, Long Beach Elks lodge No. 888 frolic.

KFWB, Hollywood, Calif., (252m-1190kc), 8-9, program, John Wright. The Right Tailor; John Wright orchestra; Dan Gridley, tenor,. Esther White, blues singer; 9-10, Len Nash and his Country Boys dance orchestra; 10-11, Warner Brothers frolic.

KGO, Oakland, Calif. (361m-830kc), 3-4 p. m., Rose Florence presenting Romy Piazzoni, soprano; Edith Young, soprano; Duke Kamoku's Royal Hawaiians; Sybil and Marian Graves, soloists; 4-5:30, Hotel St. Francis concert orchestra; 6-6:55, dinner concert, Kohler and Chase.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 9-10:30, Duo-Art studios; 10:30, Hoot Owls.

KHJ, Los Angeles, Calif., (405.2m-740kc), 8-10 p. m., program, Western Auto Supply company.

KJR, Seattle, Wash. (384.4m-780kc), 1:30-3 p. m., Post-Intelligencer matinee program; 7-8:30, Lundquist-Lilly male quartet; 8:30-10, Post-Intelligencer program.

KMTR, Hollywood, Calif., (238m-1260kc), 8-10 p. m., KMTR concert orchestra, Loren Powell, director; 10-11, Starr Piano company studio.

KNX, Hollywood, Calif., (336.9m-890kc), 6:30-7 p. m., Atwater Kent concert orchestra; 7-8, program, Jell-X-Cell company; 8-9, program, John A. Vaughn corp.; 9-10, Order of Optimistic Donuts; 10-11, Hollywood Legion Stadium fights; 11-12, Ray West's Cocoanut Grove dance orchestra from Ambassador hotel.

KPO, San Francisco, Calif. (428.3m-700kc), 1:30-2 p. m., Rudy Seiger's Fairmont hotel orchestra; 6:30-7, Waldemar Lind and the States restaurant orchestra; 8-9, program; 9-10, Palace hotel dance orchestra; 10-11, Waldemar Lind and the States restaurant orchestra.

KQP, Portland, Ore. (319m-940kc), 8-9 p. m., musical program.

KTAB, Oakland, Calif. (240m-1250kc), 8-10 p. m., program, Breuner's.

KWSC, Pullman, Wash. (348.6m-860kc), 7:30-9 p. m., Cougar Co-Ed orchestra.

STATION WSWS BACK UPON AIR LANE AGAIN

New 1000-Watt Transmitter Joins Ranks of Chicago Broadcasters

CHICAGO.—An old Radio favorite greatly improved and ready to meet its old friends and add a million new ones is being heard again on the air. WSWS, the S. W. Straus & Company station, formerly WCEE of Elgin, has resumed its place in the ranks of Chicago broadcasters.

Station WSWS is licensed to operate on the old wave band of former WCEE which is 275.8 meters. A division of time will be made with WORD at Batavia, Ill. A modern plant, housing a new 1,000-watt transmitter, has been constructed at Woodale, eighteen miles west of Chicago. All broadcasts will be handled by remote control from the studios in the Straus building.

The direction of program and chief announcing has been entrusted to George Junkin, formerly associated with the Drama League of America.

Talent schedules and program arrangements are in charge of John Clark, formerly assistant director of Station WHT, where his Radio playets and continuity presentations have been a feature of that station's programs since it has been on the air.

KDKA Has Big Musical Library to Draw From

Station Needs Large Collection of Manuscripts and Music

PITTSBURGH, Pa.—Equipping a musical library to meet the demands of aerial entertainment is a task of no mean caliber.

Taking KDKA as an example, its library, translated into monetary terms, represents an investment in excess of $5,000.

The repertory that this section has to draw from is one of the most unique and extensive collection of manuscripts and music that has ever been assembled by a single organization. Everything of importance, from Alpha to Omega in things musical, has a place in this library—which has become a source adequate to the diversified demands of KDKA's vast audience.

The repertory embraces all the oratorios, grand and comic operas, salon music, concertos, dance and classical selections, hymns and roundelays, ballads and dirges, music for solo instruments and smaller groups such as duets, quartets, and sextettes.

GENERAL TALKS AND SPEECHES

Saturday, February 27

Eastern	Central	Mountain	Pacific
8 p. m.	7 p. m.	6 p. m.	5 p. m.

WCCO (416.4m-720kc) "Fireside Philosophies," Rev. Roy L. Smith.
WEAF (491.5m-610kc) "Making Use of the Museum," Homer St. Gaudens.

8:05 7:05 6:05 5:05
WAMD (244m-1230kc) Talk, "What Prominent Outsiders Think of Minneapolis and the Great Northwest."

8:15 7:15 6:15 5:15
WOR (405.2m-740kc) Saturday review of literature.

8:45 7:45 6:45 5:45
WRC (468.5m-640kc) Zoo talk.

9:30 8:30 7:30 6:30
WMAQ (447.5m-670kc) "England," Clara E. Laughlin.

9:45 8:45 7:45 6:45
KHJ (405.2m-740kc) History story, Prof. Hertzog.

10 9 8 7
KGW (491.5m-610kc) "Things Our Army Does Besides Fight," Lieut. Col. H. Edmund Bullis.
KNX (336.9m-890kc) "Insect Life," H. W. McSpadden.

10:10 9:10 8:10 7:10
WNYC (526m-570kc) Travel talk.
WOR (405.2m-740kc) "Sea Lure," Alfred Nikon.

11 10 9 8
KGO (361.2m-830kc) Sport talk, Al Santoro.

Monday, March 1

Eastern	Central	Mountain	Pacific
4:45 p. m.	3:45 p. m.	2:45 p. m.	1:45 p. m.

WEAF (491.5m-610kc) "Current Art Exhibitions," Mrs. Rose Berry.

5 4 3 2
WCCO (416.4m-720kc) Readers' club, Mrs. Walter Stevens.

7 6 5 4
WBZ (333.1m-900kc) "Theatrical Gossip," Sam Wren.
WRC (468.5m-640kc) "Show Shopping," Leonard Hall.
WTAG (268m-1120kc) Science talk, Fred D. Aldrich.

7:40 6:40 5:40 4:40
WOAW (526m-570kc) Insurance talk.

7:45 6:45 5:45 4:45
WSAI (325.9m-920kc) "The Foremen's Club Movement in U. S.," Mr. Edgecomb.

8:30 7:30 6:30 5:30
WPG (299.8m-1000kc) Health talk.

8:45 7:45 6:45 5:45
WEAF (491.5m-610kc) Tower health talk.

9 8 7 6
KNX (336.9m-890kc) Travel talk, W. F. Alder.
WBAL (246m-1220kc) Talk, A. Douglas McComas.

9:15 8:15 7:15 6:15
KNX (336.9m-890kc) Travel talk, W. F. Alder.

9:30 8:30 7:30 6:30
WHAZ (379.5m-790kc) "Radium," Dr. R. A. Patterson.

11 10 9 8
KGO (361.2m-830kc) "Recreation in the National Forests," L. A. Barrett; "Developing the Farm Managers of Tomorrow," W. G. Criswell; "Chats About New Books," Joseph Henry Jackson; "Better English," Wilda Wilson Church; "Character Training in the Home," Dr. Jua Don Ball; "Vacation Journeys of Discovery," Dr. Harold C. Bryant.

Tuesday, March 2

Eastern	Central	Mountain	Pacific
3 p. m.	2 p. m.	1 p. m.	12 n.

KMA (252m-1190kc) Travelogue, G. H. Van Houten.

4:30 3:30 2:30 1:30
WCCO (416.4m-720kc) "The World of Books," H. A. Bellows.

6:30 5:30 4:30 3:30
WEEI (348.6m-860kc) Talk, C. S. Bird.

7 6 5 4
CKAC (410.7m-730kc) Safety league talks.
WDAF (365.6m-820kc) Road talk.

7:45 6:45 5:45 4:45
WMCA (340.7m-880kc) Tyrrell's health talk.
WTAG (268m-1120kc) "The Romance of Numbers," Prof. Raymond K. Morley.

7:50 6:50 5:50 4:50
WGHP (270m-1110kc) Talk on banking, Raymond H. Berry.

8 7 6 5
WEBJ (272.6m-1100kc) Talk, G. T. Geer.
WCAU (277.6m-1080kc) Building and loan talk.
WLW (422.3m-710kc) "Historical Appreciation of Music," Etelka Evans.

8:30 7:30 6:30 5:30
KGO (361.2m-830kc) "As a Woman Thinketh," Louise Landis.

9 8 7 6
WJJD (370.2m-810kc) Talk, Matthew P. Adams.
WMAQ (447.5m-670kc) Book talk, Harry Hansen.
WNYC (526m-570kc) "George Frederick Haendek," Herman Neuman.

9:15 8:15 7:15 6:15
KNX (336.9m-890kc) Travel talk, W. F. Alder.

9:45 8:45 7:45 6:45
KHJ (405.2m-740kc) History story, Prof. Hertzog.
WMCA (340.7m-880kc) "How to Drive an Automobile," Harry Rainess.
WMAQ (447.5m-670kc) University of Chicago lecture.

10:30 9:30 8:30 7:30
KHJ (405.2m-740kc) Talk on dogs, H. M. Robertson.
KFMX (336.9m-890kc) "The Caribbean," Prof. Keith Clark.
WCCO (416.4m-720kc) "Outdoors in Minnesota," Izaak Walton league.

11 10 9 8
KGW (491.5m-610kc) Book review; word-cartoon on styles.

12 11 10 9
KGO (361.2m-830kc) "Wonders of the Sky," Henry M. Hyde.

Wednesday, March 3

Eastern	Central	Mountain	Pacific
3 p. m.	2 p. m.	1 p. m.	12 n.

WFI (394.5m-760kc) "Care and Maintenance of a Lawn," Warren E. Meixner.

4:45 3:45 2:45 1:45
WEAF (491.5m-610kc) "Modern European Fiction," Dorothy Brewster.

5 4 3 2
WCCO (416.4m-720kc) Readers' club.

6:35 5:35 4:35 3:35
WIP (508.2m-590kc) "The Farm Boy Makes Good," H. O. Sampson.

Eastern	Central	Mountain	Pacific
7 p. m.	6 p. m.	5 p. m.	4 p. m.

WDAF (365.6m-820kc) Health talk; meat talk.
WHB (365.6m-820kc) Automotive extension lesson, John Burns.
WMAQ (445.7m-670kc) Lecture, Northwestern university.

8:45 7:45 6:45 5:45
WEEI (348.6m-860kc) "Peerless Tours," Joe Toye.

9 8 7 6
WKRC (422.3m-710kc) Book review, Alice B. Coy.
WLWL (288.3m-1040kc) "Accountancy," K. of C.
WTIC (475.9m-630kc) "The Why of Income Tax," Prof. K. L. Williamson.

10 9 8 7
WORD (275m-1090kc) Talk, L. M. Smith.

9:45 8:45 7:45 6:45
KHJ (405.2m-740kc) History story, Prof. Hertzog.

10:15 9:15 8:15 7:15
KOA (322.4m-930kc) "The Epic of the Cowboy," W. O. Orr.
WLWL (288.3m-1040kc) Talk on movies.

11 10 9 8
KHJ (405.2m-740kc) Talk on astronomy, Dr. Mars Baumgardt.

Thursday, March 4

Eastern	Central	Mountain	Pacific
4:45 p. m.	3:45 p. m.	2:45 p. m.	1:45 p. m.

WEAF (491.5m-610kc) "Homes of Our Presidents," Henry Humphrey.

5 4 3 2
KMA (252m-1190kc) Travelogue, G. H. Van Houten.
WCCO (416.4m-720kc) Readers' club.

7 6 5 4
WDAF (365.6m-820kc) Book talk, Louis Mecker.
WGY (379.5m-790kc) WGY book chat, William F. Jacob.

7:45 6:45 5:45 4:45
WRC (468.5m-640kc) Smithsonian talk.
WMCA (340.7m-880kc) Health talk.

8 7 6 5
WIP (508.2m-590kc) "The Sesqui-Centennial," Hon. Harry A. Mackey.
WPG (299.8m-1000kc) "World Wonder Excursions," Alfred James P. McClure.

8:30 7:30 6:30 5:30
WGBS (315.6m-950kc) "Footlight and Lamplight," Oliver Sayler.
WLW (422.3m-710kc) "The Eyes Have It," Dr. C. H. Kaufman.
WTAG (268m-1120kc) Travel talk.

9 8 7 6
KYW (535.4m-560kc) "Twenty Minutes of Good Reading," Rev. C. J. Pernin.
WLWL (288.3m-1040kc) Review of books.
WMAQ (447.5m-670kc) Garden talk, James Burdett.

9:15 8:15 7:15 6:15
KNX (336.9m-890kc) Travel talk, W. F. Alder.

9:30 8:30 7:30 6:30
WMAQ (447.5m-670kc) Talk, Chicago Association of Commerce; lecture, University of Chicago.

9:45 8:45 7:45 6:45
KHJ (405.2m-740kc) History talk.

10 9 8 7
WRC (468.5m-640kc) Political situation, Frederick W. Wile.
WMAQ (447.5m-670kc) Lecture, University of Chicago.

10:30 9:30 8:30 7:30
KHJ (405.2m-740kc) Health talk.

10:45 9:45 8:45 7:45
KHJ (405.2m-740kc) Health talk, Dr. Phillip M. Lovell.
KGW (491.5m-610kc) Lecture, Catholic Truth society.

11:05 10:05 9:05 8:05
WCCO (416.4m-720kc) Traffic safety talk.

Friday, March 5

Eastern	Central	Mountain	Pacific
3 p. m.	2 p. m.	1 p. m.	12 n.

KMA (252m-1190kc) Travelogue, G. H. Van Houten.
WIP (502.8m-590kc) "Ostia," Dr. John C. Rolfe.

4:45 3:45 2:45 1:45
WEAF (491.5m-610kc) "The Frontiersman Comes Into His Own," H. H. Bittler.

5 4 3 2
WCCO (416.4m-720kc) Readers' club.

7 6 5 4
WOAW (526m-570kc) Music review, Hester Bronson Copper.
WLW (422.3m-710kc) "My Experiences in India," Howard Thurston.

7:30 6:30 5:30 4:30
WBZ (333.1m-900kc) "Appreciation of Music," Prof. John A. O'Shea.

8 7 6 5
WCAL (336.9m-890kc) "The Poetry of John Masefield," Dr. George Weida Spohn.
WEEI (348.6m-860kc) Breck's Winter Garden talk.
WPG (299.8m-1000kc) Educational series, G. B. Howard.

8:15 7:15 6:15 5:15
KDKA (309.1m-970kc) Health talk.
WCAU (277.6m-1080kc) Chiropractic talk.

7:45 6:45 5:45 4:45
WTIC (475.9m-630kc) "The Investor's Problem," Wilbur Sherwood.
WMAQ (447.5m-670kc) "What We Hear in Music," Mr. and Mrs. M. E. Oberndorfer.

9 8 7 6
KYW (535.4m-560kc) "Twenty Minutes of Good Reading," Rev. C. J. Pernin.
WCCO (416.4m-720kc) Health talk.
WLWL (288.3m-1040kc) Talk, books.
WMAQ (447.5m-670kc) "What We Hear in Music," Mr. and Mrs. Oberndorfer.

9:05 8:05 7:05 6:05
KFAB (340.7m-880kc) Bird Life.

9:15 8:15 7:15 6:15
KNX (336.9m-890kc) Travel talk.

9:45 8:45 7:45 6:45
WSOE (246m-1220kc) Book chat, M. S. Dudgeon.
KHJ (405.2m-740kc) History story.
WMAQ (447.5m-670kc) Lecture, University of Chicago.

10:10 9:10 8:10 7:10
KPO (428.3m-700kc) Book reviews, Harry A. Small.

10:15 9:15 8:15 7:15
KOA (322.4m-930kc) "Indian Legends," Pierce Egan.
WLWL (288.3m-1040kc) "Religion and Science," Rev. John M. Cooper.

10:30 9:30 8:30 7:30
KHJ (405.2m-740kc) "Romances of Santa Fe Trail," Gladys De Witt.
KMTR (238m-1260kc) "Wonders of Nature," Prof. Alfred Cookman.

12:10 a. m. 11:10 10:10 9:10
KPO (428.3m-700kc) "Sports on the Air," Harry B. Smith.

USES KENT HOUR TO HOLD CONGREGATION

CHURCH ATTENDANCE LOW AT EVENING SERVICES

Pastor Enlists Radio's Aid by Giving Excellent Sunday Night Programs Broadcast Through WEAF

DAVENPORT, Iowa.—"How to Keep the Atwater Kent Programs from Ruining Sunday Evening Church Services" should be the title of a recent letter received by WOC here from a pastor of a large church in a midwestern city.

An estimate gives credence that twenty or thirty millions of people throughout North America listen in each Sunday evening to the Atwater Kent artists broadcasting through WEAF and a dozen other linked stations, of which WOC is the most westerly.

The pastor writing the letter found that these superb programs tended to decrease the attendance of his Sunday evening services. Many church members preferred to tune in the Atwater Kent hour to hearing the church services.

Pastor Solves Problem

But the pastor used his head and beat Radio, or rather enlisted Radio in his cause.

His solution of this knotty problem was to bring Radio into the church. The church service is now so arranged as to conclude in time for the Atwater Kent features to be received from the nearest station on the WEAF chain, which in this case was WOC.

Instead now of the congregation hurriedly leaving at the conclusion of the church service—or before—they sit quietly in their seats and hear the very best music by the best artists ever heard via Radio by means of a set installed right in the church. And thus the problem of retaining good church attendance, while good Radio programs were on the air, was solved.

"Sam 'n' Henry" Still Mystery to Listeners

Boys from Birmingham Keep Radio Fans in Suspense

CHICAGO.—Guessing who "Sam 'n' Henry" are is rapidly becoming the favorite sport of Radio fans who listen regularly to WGN, and they are busy flooding the station's mail bags with all manner of wild surmises. "Sam 'n' Henry," are the two colored boys heard each evening over WGN at 10 o'clock, Central time.

Fans made their acquaintance about a month ago when they boarded the train in Birmingham, Ala., bound for Chicago. Each night since then one of their adventures has been chronicled in their own humorous dialect. Their ten-minute period each evening is rapidly proving one of WGN's best liked features. It is low comedy translated into terms of Radio entertainment, and regular fans have followed the boys through many humorous vicissitudes.

They have become so popular that listeners are beginning to inquire about their actual identity. Visitors to the studio at 10 o'clock—most of them attracted by the desire for a look at the happy pair—go away disappointed, as the boys are kept carefully concealed. As soon as their time on the air is completed, the WGN telephone operator prepares for many telephone calls from listeners who wish to hazard their guesses.

Foreign Listener Licenses Help to Prevent "Blooper"

WASHINGTON.—A survey taken of regulations in some countries governing the use of receiving sets reveals peculiar requirements. In Japan, for instance, to get a license to operate a Radio receiver, the listener must promise to tune in only Japanese stations. In New Zealand, the fan must be over fourteen years of age to get a license. In Greece, the fan must be a subject of that country. In other countries, fans must prove themselves trustworthy and of good conduct. In the United States—well, listen to the "bloopers."

WPG, the World's Playground station at Atlantic City, was one year old the beginning of this year. A special birthday party was celebrated during which twelve different hotels and clubs contributed to the program.

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Regenerative Sets Not Alone Bloop

THE blooping, or rather anti-blooping campaign recently inaugurated by this publication as a result of the hideous demonstration of radiation afforded during International Radio Week, has brought thousands of pledges. It likewise has brought hundreds of letters from listeners which show that a mistaken idea is prevalent.

This idea is that ONLY a so-called "regenerative" receiver can radiate or bloop.

Nothing could deviate more from the truth. Why this belief has gained such a following, it is difficult to understand. Some one evidently has been "grinding an axe" for the regenerative set manufacturers. As a matter of fact a super-heterodyne can be—and often is—operated so as to bloop unmercifully.

A neutrodyne or a tuned radio frequency receiver can also make the ether merry with squeals and howls.

We might as well admit it. Only about two per cent of the tube sets in use won't bloop.

Radiation can be modified by set design and the circuit used. It can be made ALMOST foolproof, and even wholly so. The best cure for blooping is the education of listeners. We must learn how to listen in.

This sounds foolish, perhaps, but it is true. Many of us think we know all about it. We can tune them in from a thousand miles away, so we guess we don't radiate. Ha, there is the mistake. Just about the time we are turning them in a thousand miles away, we are setting up a disturbance in the ether that can be heard for miles around.

We believe magazines, newspapers, Radio clubs and broadcasting stations can do much to stop blooping. They can help educate listeners to operate sets in such a fashion as to avoid radiation entirely, or at least decrease it to a minimum.

We have been told by many readers that we are starting at the wrong end; that we are "looking through the wrong end of the telescope; that we should stop the manufacture of blooping receivers; and that we should "come out and say" that regenerative sets are causing the trouble.

But our answer is given. We back our statement that nearly every present day set will bloop—it all depends on the operation.

Learn how to tune the set properly. THAT is the secret of the "I Won't Bloop" pledge.

Celebrities Hold Interest

TALKS with general appeal, with popular interest, by authorities are being scheduled by the leading broadcasters. This is a good sign. Not alone does it show that broadcasting is becoming fully recognized by the leaders of today, but it shows that stations are diversifying their musical and service programs with information of the highest class.

We have listened in the past few months to a number of these talks. Commander Donald B. MacMillan, arctic explorer, has told from WJAZ and other stations what he learned on his last expedition. Floyd Gibbons, Chicago Tribune foreign staff correspondent, over WGN, described an intimate picture of the World War. Paul Scott Mower, Chicago Daily News foreign staff correspondent, was the pleasing surprise which greeted our ears from WMAQ. He told about his visit behind the Riffian lines with Abd-El-Krim. Lieutenant Smythe was tuned in both at WJZ and WAHG, telling of his canoe trip from Nova Scotia to New York.

There are others. We have not heard or noted all. The point we wish to make, however, is that talks by such men as these are, in our estimation, far more valuable and entertaining to the invisible audience than the usual run of repeated musical numbers. Talks, straight from the men who are best authorities on their respective subjects, are always welcome and not always obtainable.

We like to hear news of the world direct from the men, from the living voices of those men, who have lived the news stories they describe through the microphone. Stories direct from celebrities such as these are even better than when read from print. Such talks tenaciously hold the listeners' interest.

RADIO INDI-GEST

Radio Wanderlust

The wanderlust is in my hands tonight!
My fingers will not let the dials be!
I've wandered from the east coast to the west—
I've heard the restless splashing of the sea!

In cities—in the valleys—on the lake—
I've lingered only long enough to hear
The "Stand-by" or the "Sign-off"—then good bye!
I'm off for other stations far and near!

Across the mountains I have picked my way
To stop along the Californian coast!
But, restless, I have taken up the trail
For further conquests over which to boast!

The highways of the sky are beckoning me—
And O, I can't resist their thrilling call!
A million little songs along the way
Are singing and I'd like to hear them all!

But linger long I cannot seem to do!
For something calls me on and ever on!
It is the wanderlust!—It's magic spell
Has kept me sitting here 'till it is dawn!

CHARLES ALLEN BRANHAM

$.00,000 Reward

The other night I listened to an evening's entertainment from several stations and did not hear "Yes Sir, That's My Baby" or "The Prisoner's Song." How about it? LISSNER INN

One can never tell. Maybe "The Baby" was "The Prisoner's" darlink and he flew over the high prizun walls and they went out on the oshun in the grand ship all mounted in silvur and gold. Now they may both even be willink to die. We hope so.

The Scotch Get a Rest

Dear Indi: The following telegram was received at Station KFI during a rebroadcast through WGY Schenectady.

"KFI, I am hearing you on a crystal set in the Bronx. I knew I didn't have to spend a lot of money to hear the Pacific coast. Isidore Levinsky."

The Cure-All

My sister had the measles and my brother had the mumps,
And Ma took down with Rheumatiz and Pa was in the dumps;
But Santa brought a Radio, and soon as it was in
My poor old swelled-up brother most forgot his double chin.
And little specked sister with the guinea eggy nose
Got up and broke the looking glass and tumbled into clothes.
And Ma gave up her rheumatiz and took to playing golf,
And Pa and all the rest of us just laughed our blamed heads off.

The Radio, The Radio, Hurrah! By Jing!! Gee Whizz!!!
I'll let the world take all the rest and keep the best there is.

ALEX C. D. NOE

The Quantity of Mercy Is Restrained

There are several hundred fans who may be disappointed because we are not going to print all the last lines submitted for the alleged poem on what should happen to a pesky announcer. A wave of compassion prevents it. Oh, hearts of stone. We think there must be a lot of windows in front of which lilac blossoms wouldn't care to find seed nor canaries the courage to sing.

Lend Me Your Ear Phones

WE ARE TRYING TO FIND THE FIRST RADIO ENTHUSIAST. NOMINATIONS ARE OPEN FOR THE "FAMOUS FANS" CLUB. WE WILL START OFF THE LIST WITH BILL SHAKESPEARE, BECAUSE HIS "ARIEL" CAUSED A "TEMPEST." HAVE YOU ANYONE TO RECOMMEND FOR MEMBERSHIP?

L' Envoi

Thanks to thee, my European friend,
For the lesson thou hast taught
Of the number of vile villians here
Who remain unhung, uncaught,
Who poison the air with awful squeals
And a good set goes for naught.

F. L. DE VOTO

Heat Up the Incinerator, George

T. E. Blase of St. Paul asks, "What is the thing you call 'blooper'?" Well, friend, time and experience alone will tell you what a blooper is and then you can make up your own definition. But, anyway, he is everything we call him and we can't tell you what that is, because this edition must go through the mail. Look for scorching invective in our annual asbestos edition.

Must Be An Old Skate

I know a Radio fan who has water on the brain. The cold weather freezes it and causes things to slip his mind. DAVE

The Traffic Holdup

Condensed

BY DIELECTRIC

You know they are getting ready for the Sesquicentennial in Philadelphia, and the broadcasting stations there will consider themselves the mouthpieces of the nation during that important season. If I could suggest, without the support of General Butler, a small matter of hygiene, it would be to the effect that Station WOO seek a Radio dentist and have those teeth attended which cause a harmonic on a low wave length. As a mouthpiece, the Radio listeners have some aversion to it so long as this inexcusable faulty transmission continues. Have it removed, please.

Now we go to Ole Virginny, where WRVA at Richmond entertains. What I have to say concerning the excellence of their dance program will appear between these lines. It isn't that, that warrants using this space, but the manner of announcing. When one number is concluded the announcer grabs just enough time to give the call, city and succeeding selection before we're on our way again.

The Uptown theater in Chicago is receiving considerable attention through the broadcasting of its musical entertainment by Station WEBH. Possibly some of the features do not call forth excited comments of praise, though many of them may. The orchestra's playing of Liszt's "Les Preludes" was well done, a composition eliciting the best in a musician as it is one of the really beautiful works in the library of classics. Even those unfamiliar with it remark to that effect.

I know perfectly well how many there are who have no incentive for listening to grand opera productions. There was a time when the end of a first act seemed like the first half of eternity, but now even olives find favor with me. To those who have found something to like in this style of music, the recent series of performances by the Chicago Civic Opera company in Boston, will make friends for WNAC, in that city. The stars appearing were among the best to be heard, while the operas chosen for broadcasting could not easily have been improved upon.

Then there was Mary Garden. To have that artist appear before a mike and sing as she did at the French company dinner in New York, is something to remember. Of course, there is the chance of something going amiss whenever an especially attractive Radio program is arranged. So in this instance the recurring trouble Station WJZ had with their remote control made some listeners tear their hair and resort to foreign tongues to give greater liberty to their thoughts. Never has Dielectric heard this singer in better voice and her first appearances in this country are distinctly recalled. She is alone in a class.

Tuning to Station WHO, Des Moines, the other night in time to listen to a concert provided by the Bankers orchestra, I was very much pleased with the musical quality of the orchestration and the precision with which they played. These are the concerts which bring distant listeners back for more. Incidentally it may be remarked how distinctly the announcer gives the station call letters. Thanks.

Community concerts carry entertainment far outside the walls of local auditoriums; whether an influx of outsiders will result, remains to be seen. Purely as an enjoyable Radio feature these concerts are a success for they present (in most instances) features more or less unusual to listeners in. Cleveland inaugurated such a series and broadcasts the first through Station WEAR, opening with selections sung by a Swiss male choir and mixed voices. This music was new to most of us and very delightful.

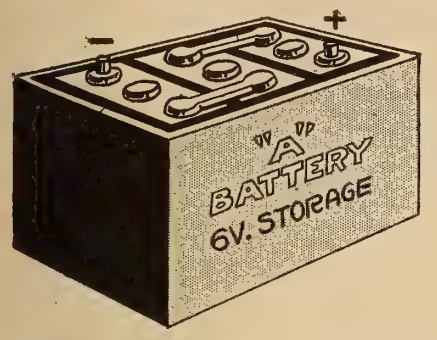
ABC Radio Fundamentals for Everybody

Chapter VIII—Types of Batteries

By Milo Gurney

BEFORE taking up a discussion relative to the two types of batteries used as sources of direct current which are required for the operation of Radio receivers employing vacuum tubes, it appears as essential that the nomenclature applied to such batteries, by which they are designated in terms of volts and amperes, or ampere hours, be given.

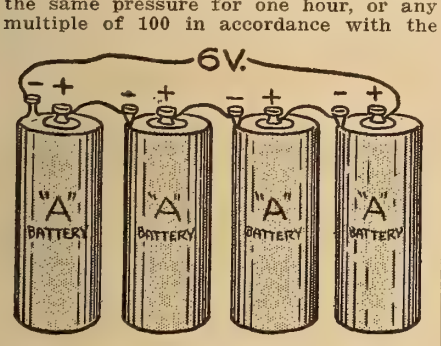
The volt is a unit of pressure, while the ampere is a unit of quantity, the unit of opposition to the flow of current in an electrical circuit being termed the ohm. Thus in any electrical circuit, through which current is caused to flow, we find the three factors of voltage, current and resistance. With these three factors known, it is obvious that if a pressure



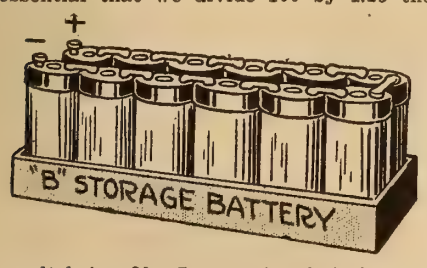
of one volt is applied against a resistance of one ohm, a current value of one ampere will flow.

Determining Strength

Radio batteries, and particularly those of the wet storage type, are rated in volts and amperes, such as 6 volts, 100 amperes, etc. Let us then assume that we have a battery which furnishes a pressure of six volts and whose capacity is 100 amperes. This means that the battery will deliver one ampere at six volts pressure for 100 hours, or 100 amperes at the same pressure for one hour, or any multiple of 100 in accordance with the



number of amperes used per hour. To further illustrate, the average five tube Radio receiver using 201-A type tubes requires a current or amperage of 1.25 amperes per hour to properly heat the filaments, their individual ampere draw being .25 of an ampere. Therefore, in order to determine the number of hours of service which a fully charged 100-ampere battery will operate such a receiver, before the battery will require recharging, it is only essential that we divide 100 by 1.25 the



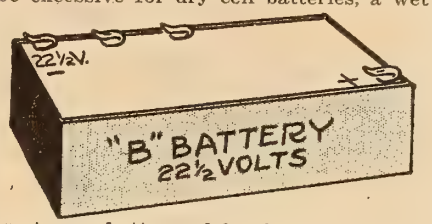
result being 80. In practice, it is best to consider but 75 per cent of the total ampere hour capacity of the battery, as the determining recharge factor, in order that a sufficient margin of safety be allowed.

A like condition prevails with the use of B batteries, with the exception that they are only rated in volts, as the current draw not only continuously varies, and is of the order of thousandths of an ampere, but usually remains as sufficient to supply one's requirements only until such time as the voltage of the battery has decreased to a point where it does not have a value powerful enough to force the required current through the resistance of the circuit.

Two Sources Needed

With this explanation, we may then pass on to indicate that each Radio receiver, as before stated, requires two sources of direct, or one-way current, for its successful operation. One is the B or plate supply battery, whose function is to maintain a positive potential or charge upon the plate of the vacuum tube, the other being the A or filament supply battery, which is required for the heating of the filament of the tube. While each of these batteries supplies only direct or one-way current, their values vary in accordance with the type of tubes used in the receiver. The A battery requirements vary from 1½ to 6 volts, the B from 16 to as high as 135, while, in special cases, voltages as high as 300 are found.

Portable receivers, and many of the super-heterodyne types, employ vacuum tubes whose filaments require but .06 of an ampere of current, and three volts for proper operation. These tubes are of the 199 class, the current being supplied usually from ordinary dry cell batteries, not unlike those used for door bell operation. The majority of receivers, however, use 201-A type tubes. These consume .25 of an ampere and operate at from 5 to 5.5 volts. As this amperage drain would be excessive for dry cell batteries, a wet



or storage battery of 6 volts, and a large ampere hour capacity, is generally used.

In addition, during the current year, there has appeared upon the market, current supply devices for filament lighting use, which operate directly from the alternating house lighting current, the function of these devices being to not only step down the voltage of the alternating current supply, but to also change it to direct current. Such converter substitutes are not sufficiently popular at the present time to warrant a detailed explanation of their operation.

B batteries, whose function has been explained, are common in both the dry and wet cell types, though through possible lack of proper charging apparatus, the dry cell type predominates, each is very efficient and of equal value.

Like the A battery substitute, the Radio market also affords B supply substitutes, which secure power from the

(Continued on page 24)

No More "B" Batteries on Your Radio

At last, a practical reliable "B" battery eliminator for your radio. Does away with "B" batteries; no charging; no replacing. Always 100% efficiency in "B" current. The most revolutionary development in radio.

Genuine Fansteel

Balkite "B" Eliminator

Sent for Only

$1.00 Down

The Balkite "B" is connected to your radio just like "B" batteries and attached to an ordinary electric light socket. Replaces "B" batteries entirely and furnishes "B" current direct from regular house lighting current. Always gives current equal to four new and fresh 22½ Volt dry "B" batteries. For sets of five tubes or less. Simplifies radio receiving. More convenient, more economical and more efficient than dry or wet "B" batteries. Operates storage battery or dry cell tubes and gives tubes longer life. Entirely noiseless. Creates no disturbance in reception. Has no bulbs, nothing to break, wear out, replace or get out of order. Requires no change in your set, no extras to buy. Operates from 110-120 AC, 60 cycle current. Measures 8 3-16 inches by 8 inches by 3¼ inches. Current costs only 1-20 of a cent per hour.

$5.00 a Month, if satisfied after trial

Only $1.00 with the coupon below brings the Balkite "B" to your home on trial. Try it out thoroughly before you pay another penny. See how it improves reception. See how much more convenient than using batteries. Judge for yourself how it will save you money and make your radio set more enjoyable. Then, if not satisfied, send it back at our expense and we'll refund your $1.00 plus all transportation charges. If you decide to keep the Balkite "B," start paying only $5.00 a month until you have paid the total price of only $35.00. That's the price others ask for spot cash. We give you the lowest cash price on easy monthly payments you will never feel.

Send Coupon

Don't miss this opportunity to get the genuine Balkite "B" at the rock-bottom cash price on easy monthly payments. Send coupon now while this offer lasts. Order by No. Y-8578A, $1.00 with coupon; $5.00 a month; total price $35.00.

STRAUS & SCHRAM
Dept. R8912 Chicago, Ill.

STRAUS & SCHRAM, Dept. R8912 Chicago

Enclosed find $1.00. Ship special advertised Balkite "B" Battery Eliminator. I am to have 30 days free trial. If I keep it, I will pay you $5.00 monthly. If not satisfied, I am to return it within 30 days and you are to refund my money and any express charges I paid.

Balkite "B" Battery Eliminator, No. Y8578A, $35.00

*Name*_____

*St., R. F. D. or Box No.*_____

*Shipping Point*_____

*Post Office*_____ *State*_____

A B C'S OF RADIO SETS

(Continued from page 23)

alternating lighting current. Their development is quite advanced over that of the A substitute with the result that there are several types which may be used with much satisfaction, where the purchaser is not concerned with first cost. Readers of Radio Digest have been offered an opportunity to not only study but also construct three forms or types of such B supply units, as very ably presented in the current issues by Mr. George Walters. The B supply units, as described by this capable writer, should become very popular, as they offer much of interest and satisfaction.

Care of Batteries

The need for charging an A battery is only determined by the use of a hydrometer, which is purchaseable at all Radio stores or battery service stations. A fully charged wet battery should register a specific gravity between 1275 and 1300, and an indication of its charge being dissipated is shown when such a reading indicates a value around 1150. One should not therefore rely upon a voltmeter reading to determine whether the battery is fully charged, but should determine its condition solely from hydrometer readings, as outlined. Never add acid to a storage battery. The solution within the battery should at all times just cover the plates of the battery; when the solution has evaporated to the point where the tops of the plates are exposed, a quantity of distilled water should be added until the plates are again immersed. In the maintainance of a wet battery, one will often find that the terminals become corroded with a white and green substance resembling verdigree, which refuses to respond to the usual treatment of being removed through wiping with a cloth. As each home is usually supplied with a box of ordinary baking soda, it is then well to remember that a teaspoonful of this soda dissolved in two ounces of water makes an excellent neutralizing agent for the removal of this accumulation, it being only necessary to apply the solution with a dampened cloth upon the terminals affected. Bubbles, which give off frying noises will at once appear as evidence that the cleansing process is taking place.

Once they are cleaned, it is then advisable to smear the terminals with a light covering of vaseline, which will tend to stop recurrence of the nastiness of A battery accumulations.

Keep Batteries Clean

B batteries, as well as A batteries should always be kept wiped clean, thus avoiding minute short circuits. B batteries should be tested with a reliable voltmeter, for voltage only. When they have deteriorated to 75 per cent of their initial voltage value they should then be discarded, as it is not possible to renew their life. For illustration, a 45-volt B battery has served its useful life when it registers 34 volts, though it may still be used if the plate supply requirements are below this figure. In like manner a 22½-volt battery has served its useful life when its voltage has dropped to 17 volts.

(Next week's article will start a discussion explaining the most prominent types of circuits now on the market, and how they function.—Editor's Note).

GIRL AIDS DIZZY IZZY

(Continued from page 5)

Crash! Dizzy's double-duty turtle shell specks fell from his nerveless fingers and broke into a thousand pieces. For a moment he half stood and half sat as a man awakening from a long dream. Slowly his scattered senses mobilized between his ears. His naked eyes filled with tears.

"I see it all—now," he gasped hoarsely. "You are right. That is the answer. You shall hear from me again. You have performed a great public service for I am none other than Dizzy Izzy, the announcer. The world is waiting to know. I shall bear the message. To me will go the honor, but I wil not forget. Eureka! THE BLAH CLUB!"

And that, boys and girls, was the true answer to Dizzy Izzy's Problem. Never again was he serious.

"What became of the young lady?"

Well, that is another story. But you have all heard of the great BLAH Club of WOAW. There are 35,000 registered members and a waiting list of 25,000 more, and it is so exclusive that anyone who doesn't care to will not be admitted to membership.

It has been three months, now, since Dizzy Izzy officiated at the first initiation ceremonies. Males and females over sixteen years old are called "Boobs" and "Boobesses," respectively. All members under sixteen are called "Boobies." Every candidate must ride Brindle Betsy thrice around the red barn to the tintinnabulation of the bovine lavalliere. When it comes to dismounting the candidate is royally knighted by a barrel stave saber in the hands of Dizzy Izzy and his Court which consists of Cy Perkins, Gus, Ole, Fred Jessen, Bill Goodrich, Eddie Stuart and Mac Ohman.

The Blah Club takes the air from Podunk Center, remote control over barb wire. The club rooms are in Cy Perkins' general store and undertaking parlors. The Blah Club has included such entertainers as Jack Little and Lew Farris, the Eiffel Tower of Radio. The slogan is, "A little nonsense now and then is relished by the wisest men." There are many features. One is the matrimonial bureau which hunts mates for spinsters and bachelors. A "Lost and Found" department is maintained for stray animals.

There is a Razz Bureau for the knockers.

Many interesting letters are received from prospective members. Some excerpts follow:

"Dear Izzie," writes an applicant for membership, "I want to be inducted into the mighty Blah Club. I feel that if I were a member I would have more fun. You will need to kick the cow good and hard when you take me in. I am a Church, not a School House. I have got a rather high standing and there isn't much in my belfry. I have a good many members and more than one organ. Yes, you can knock the cow, bell and all over if you want to. Your old Radio fan, Dwight Church."

Another offering his pedigree for membership says:

"I am an evolutionist, old enough to grandfather in two places. Eat all I can get but can't sleep on account of listening in. Work when I have to. Walk on my hind feet and I am a little lame in the head. Otherwise my better half says I am all right. Don't forget friend wife, give her all the cow bells and head the critter north by east.

"Recommend that the Blah Club members appropriate sum to rebuild the Kansas depot that the woodpeckers knocked down. Respectfully, O. J. Pruitt."

Political Blah is provided by Senator Snag of Podunk Center. This is the mysterious, secret pass-word that gets you by the ether waves—"Blah."

"MOUNTIES" GREET SUN

(Continued from page 4)

slowly down the column. "It says here that they are goin' to wireless some messages to the boys clean around the rim of the Circle from Greenland to Alaska—to all them as lives north of Fifty-Five. And to think that the second mail which left Edmonton on the first of February, will not reach Alavik on the McKenzie river until the last of March and, good time at that with 2,000 miles of slippery, shelving shores and shaggy hummock ice for the sledges on the river ways—while by the wireless 'tis all done in the same breath without so much as to hitch your chair or stir beyond the shadow of your roof beams at the far end. Here is what it says in the paper:

" 'The centuriesold rite of the SunDance will be performed by the Eskimos on February 20, for it is on that date that the sun will make its brief appearance above the horizon after an absence of 135 days, during which period the land above the Arctic has been shrouded in perpetual darkness.

" 'The white men at the posts of the Royal Canadian Mounted Police, as well as the men at the Posts of the big fur companies make it a point to join with the Eskimos in this ancient and primitive dance which takes place in some open flat space, unsually on the level ice along the coast.

" 'This year the event will be doubly memorable in the annals of the Arctic for the weird chant and the accordion music will be supplemented by the Radio, supplied by the four big Westinghouse Radio stations. Special arrangements were made last summer so that this broadcast would coincide exactly with the first appearance of the sun over the horizon.

" 'Robert M. Foster, the Radio operator of the C. G. S. "Arctic" installed the sets in Ellesmereland within 11 degrees of the Pole. Other sets were installed in North Devon Island, and still others in Baffinland, at points down to and including the Arctic Circle.

" 'Exactly at 10 p. m. E. S. T., on the night of February 20, Westinghouse Radio Stations KDKA at East Pittsburgh; WBZ at Springfield, Mass.; KYW at Chicago, and KFKX at Hastings, Nebr., will put on this special broadcast for points at and above the Arctic Circle.

" 'A special fivehour program designed for reception above the Arctic Circle will be broadcast by Westinghouse Station KFKX at Hastings, Nebr., which will be the fourth and last program on this prearranged schedule for reception at and above the Arctic Circle. This program will include the broadcasting of personal messages from relatives to the men in the far North, official messages from departments of the Canadian government; specially arranged late news bulletins, by courtesy of the United Press, and the Hastings Daily Tribune; an hour of vocal and instrumental classical music; a short sacred devotional period; special and unique musical features, and popular music by several orchestras. It will be late next summer before the men north of

(Continued on page 26)

Photogravures of Your Favorite Artists
GALLERY of RADIO STARS

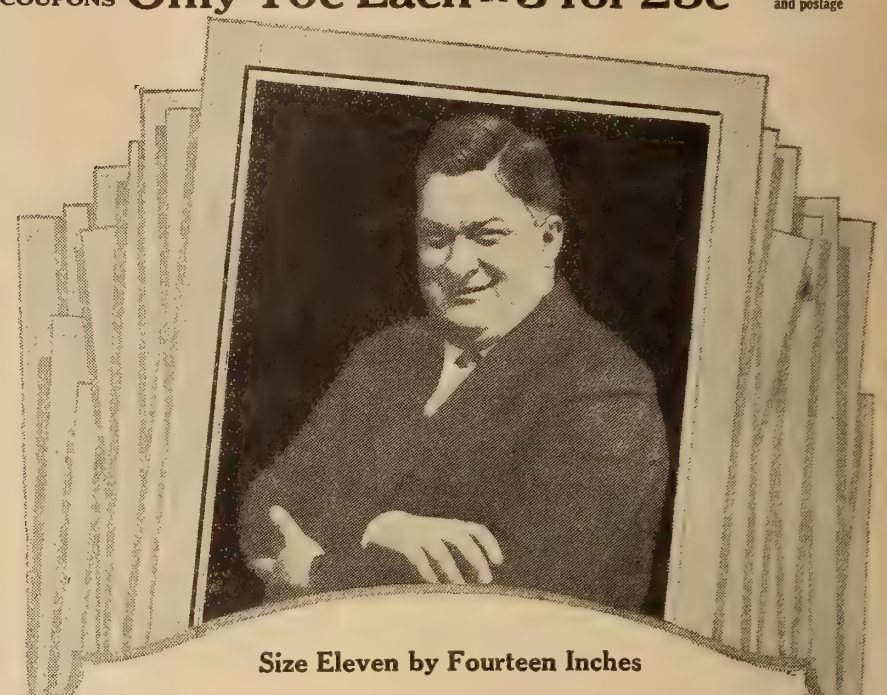
Suitable for Framing or Placing in Your Album

BY SPECIAL arrangement, Radio Digest is able to offer its readers a great opportunity to secure fine photogravures of their favorite Radio stars at practically no cost.

Radio fans will be able now, by this very special offer, to have pictures of their favorite artists and announcers before them when they listen in.

All that is necessary to secure photogravures from the Gallery of Radio Stars is to send the coupon published each week in Radio Digest, accompanied by ten cents to cover the cost of mailing and postage. Where a series of three photogravures is desired, it will only be necessary to send twenty-five cents and three consecutively numbered coupons clipped from Radio Digest. Remittance must accompany the coupon. Cash at your risk. Add 5 cents to personal checks for exchange.

WITH COUPONS Only 10c Each -- 3 for 25c To cover cost of mailing and postage



Size Eleven by Fourteen Inches

Select Your Favorites from the Gallery of Radio Stars

1 Wendell Hall, king of ukulele ditties
2 Graham McNamee, 1925 Gold Cup announcer
3 Jack Little, popular wandering balladist
4 Paul Small, who won fame through Radio
5 Coon-Sanders' "Nighthawks" at KYW
6 George Hay, 1924 Gold Cup announcer
7 Harmony Girls, Edith Carpenter, Grace Ingram
8 Ford and Glenn, Lullaby Boys of WLS
9 "Roxy" Rothafel of WEAF chain fame
10 The Hired Hand, famous "Substitute Announcer" of WBAP
11 Britt and Finch, popular songsters
12 Bob Emery, Big Brother of WEEI
13 "Bill" W. G. Hay, ex-KFKX, now of WLIB
14 Happiness Boys, jovial singers of WEAF
15 Lambdin Kay, "Little Colonel" of WSB
16 Leo Fitzpatrick, "Merry Old Chief," WJR
17 Henry Field, 1925 Gold Cup runner-up
18 Al Carney, organ favorite at WHT
19 Aunt Jane, ladies' adviser at WOC
20 Vincent Lopez, No. 1 Pennsylvania orchestra
21 E. L. Tyson, pleasing voice at WWJ
22 S. W. Barnett, ex-WOC, now WBAL
23 Art Gillham, "The Whispering Pianist"
24 Paul Greene, announcer at WSAI, "bridge voice"
25 Harry Ehrhart, "Dream Daddy" of WLIT
26 Correll and Gosden of "Kinky Kids Parade" fame, at WEBH and other stations.
27 Norman Brokenshire, popular at WRC, WJZ
28 Indiana Male Quartet, popular at WEBH
29 Jane Novak, Blues Singer of Twin Cities, WCCO
30 Jean Sargent, the original, now at WHT
31 Ralph Emerson, popular organist at WLS
32 Edna Adams, "Sweetheart of the Air" at KPRC
33 Pat Barnes, vaudeville announcer at WHT
34 R. V. Haller of KGW Hoot Owls fame
35 Henry L. Dixon, ukulele wizard of KYW
36 Quin Ryan, WGN's Uncle Walt and sports announcer
37 "Willie the Weeper," Ernest Rogers, WSB
38 Walter Wilson, "Uncle Bob" of KYW
39 Jack Chapman of Drake hotel repute
40 Ray-O-Vac Twins, known country-wide
41 Art Linick, KYW's Mrs. Schlagenhauer
42 Fred Hamm of WTAS, now WLIB, fame
43 Meyer Davis' Le Paradis orchestra of WRC
44 "Senator Schultz, WLW's illiterate comic
45 "Uncle John" Daggett of KHJ
46 D. R. P. Coats, 1925 Silver Cup announcer
47 Gene Rouse, WOAW's popular announcer
48 Freda Sanker, WKRC jazz orchestra director
49 Iris Ruth Pavey, KOA's invisible stage beauty
50 Queen Titania, star of KHJ Fairyland
51 Ipana Troubadours, on the WEAF Chain.

If your favorites are not in this list, send in a request to have them included in the Gallery of Radio Stars.

COUPON NO. 10

This coupon entitles the holder to one photogravure selected from the Radio Digest Gallery of Radio Stars when accompanied by ten cents to pay the cost of mailing and postage.

Three consecutively numbered coupons entitle the holder to three photogravures when accompanied by 25 cents. Remittance must accompany the coupon. Cash at your risk. Add 5 cents to personal checks for exchange.

Order by Number.....

Radio Digest Publishing Co., 510 N. Dearborn St., Chicago

How to Stop Blooping and Man-Made Static

Part III—Correct Receiver Operation

By the Technical Staff

FOR the benefit of those who have not been following this series it might be well to briefly run over the first two articles. In the first, it was pointed out that, while it is the Radio public that is making all the complaint about blooping and squealing, resulting in investigations into the situation by many agencies, it has invariably been proven that the Radio public is itself at fault. There being no local ordinances or articles to the constitution which will stop this evil, the only remedy seems to be driving the fact home that all must cooperate and that education in Radio set operation must be given.

Then in the second article, the various popular types of receivers were presented, and how and why they bloop was explained, with some suggestions as to the remedying of each type's faults. Single and three circuit sets, four and five tube layouts and super-heterodyne input arrangements were discussed. This brings us to the educational stage of this series and, since there are probably more regenerative one and three tube installations still in use than other types, they will be taken up first.

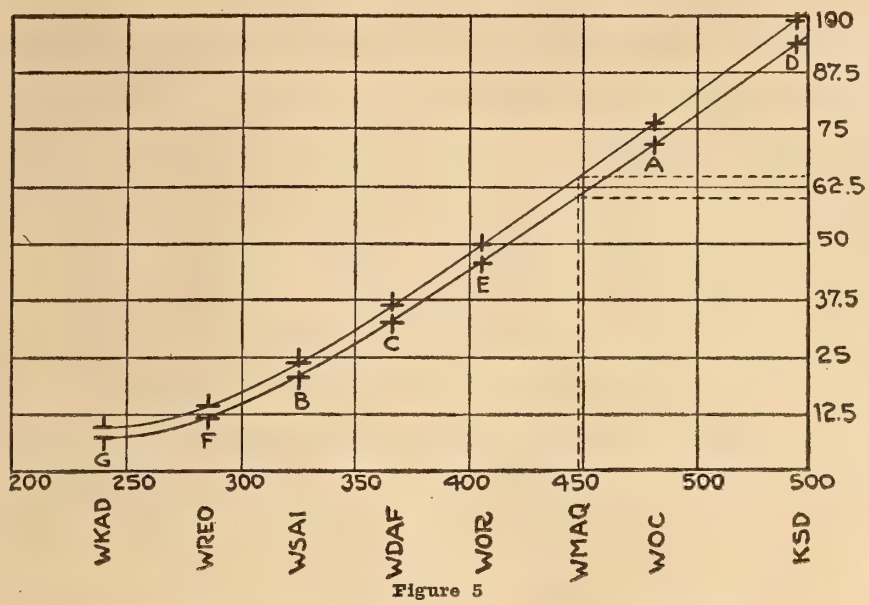


Figure 5

Need Proper Control

From the discussion presented so far in Radio Digest, and that published in other periodicals, the Radio fan may have gotten the impression that regeneration is a criminally devilish characteristic of Radio that should be totally abolished, sentenced to die immediately and maligned until forced to forever leave this U. S. A. Now this is not the case by any means—regeneration is a phenomenon arranged for man's use and which waited only to be discovered, just as was electricity, X-rays or motion pictures. True, a patent was granted on it, but it remains a phenomenon that can be made use of by innumerable circuit arrangements and there are many leading minds in the Radio art that feel a mistake was made by the patent department. Like many other things presented to a rapidly moving civilization, misuse has been made by set owners of the greatest aid to distant reception available at this time to the Radio field. Both law making and education should be along the lines of **proper control** of regeneration.

Getting back to our regenerative receivers, not preceded by one or more stages of radio frequency amplification, on the sets available in the Radio market, regeneration is not always described by this name. The dial which controls this feature of the equipment may be designated by any of the following terms: Regeneration, amplification, reaction, varind, tickler, sensitivity, feed-back and even volume. These controls are not, as a rule, effective in adjusting the receiver to be in tune with a station but are useful only in increasing the sensitivity. Some excellent suggestions are set forth by the Radio branch of the department of marine and fisheries of Canada for the proper use of this feature.

Some Simple Rules

"If you will take the trouble to observe the rules which follow, **you** will obtain greater satisfaction and enjoyment from your Radio receiving set, and at the same time cause minimum annoyance **to your neighbors.**

(1) Practice on tuning powerful stations first and do not try to pick up weak distant stations until you become more expert.

(2) Use both hands; one hand for control of regeneration and the other hand on the tuning control.

(3) Keep the regeneration control always **just below** the point of oscillation; your set is then in the most sensitive condition. This is the reason for using both hands for tuning.

(4) If your set then accidentally breaks into oscillation, turn back the regeneration control **at once.**

(5) Do not try to find a station by the "whistle." If your set is tuned just below the whistling point the signals will come in clear and your regeneration control can then be tuned a little further toward increase to help the volume.

(6) Do not force regeneration in an attempt to obtain loud speaker volume from a set not designed with sufficient audio frequency amplification for that purpose.

(7) Do not force regeneration in an attempt to hear stations **beyond the range** of your set; be content with those you can really hear **enjoyably.**

Don't Expect Too Much

The fact that you once heard a distant station on your receiving set is no indication that you can hear this station regularly, for occasionally a Radio broadcast from a distant station is received with extra strength due to some freak condition. When you have tried to tune in a station in the correct manner for a minute or two and are not able to hear it, do not unduly increase your regeneration and persistently wiggle your dials, for in so doing you may be causing annoyance (probably are) to some other broadcast listeners who would otherwise be able to enjoyably receive this distant station on a multi-tube receiver.

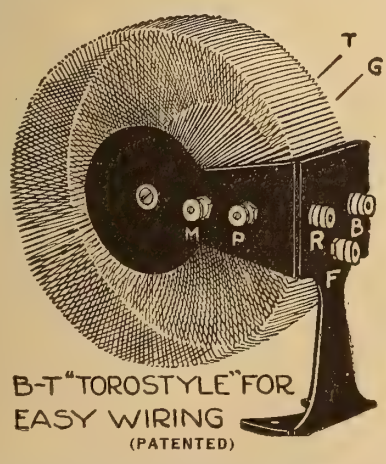
You can, accordingly, assist in eliminating blooping by: (a) Learning to operate correctly yourself and; (b) Not allowing children who are not old enough to understand the correct method of operation to cause interference from your set."

Keep Batteries Well Charged

The two rules so concisely set forth by the department as numbers 2 and 3 may be of more value with a little explanation. You may well ask, "How am I going to know when my set is just below the point of oscillation?" There are two easily learned ways of watching this. First of all, if you observed suggestion number 1, you should have learned that there is a certain definite relationship between the tuning dial and the regeneration control

(Continued on page 26)

COUNTERPHASE SIX--



The B-T Torostyle is used in the patented Counterphase circuit. 1 TA and 3 TC Torostyles are furnished in the No. 6 Kit.

IN the short time that the Counterphase has been offered to the Radio Public, its fame has spread to all parts of the U. S. and Canada, to say nothing of foreign countries. Unsolicited letters from all parts of the country attest its unparalleled popularity and success. Mr. M. E. K. of Indiana Harbor, Ind., writes: "— had KFI (Los Angeles) too loud on six tubes and WCAP (Washington) was broadcasting on nearly the same wave length at the same time—" EMW's letter from Minneapolis, contains an interesting fact: "—got WKAQ, San Juan, Porto Rico, using 25-foot indoor aerial picked up on loud speaker—" And so the letters come in every day in an ever-increasing number.

The set is easy to assemble. The essential parts are contained in the B-T kits for sale at all good dealers.

No. 5—Kit for 5-tube sets $28.50
No. 6—Kit for 6-tube sets 38.00

For real tone quality in your Counterphase or any other set, use B-T Euphonic Audio Transformers. They reproduce high and low notes with equal clarity and the price is not distorted.

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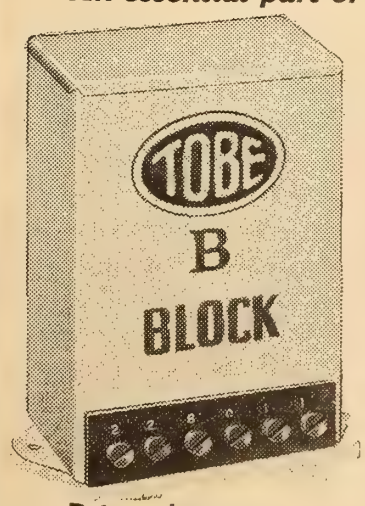

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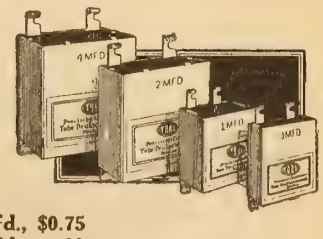

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0.25 mfd., .70 1.0 mfd., .90
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Write us for circuit diagrams of all types of "B" battery eliminators. Ask your Dealer for TOBE Condensers

Tobe Deutschmann Co.

CORNHILL **BOSTON, MASS.**

HELP STOP BLOOPING

(Continued from page 25)

at all times. At the lower end of the tuning dial scale, the dial controlling regeneration must be retarded and at the upper end it can be further advanced. Unfortunately, this dial cannot well be logged, as can the tuning dial, since varying conditions of the plate or B batteries, and the storage or dry cell A battery, alter the settings of the regeneration control for different wave lengths settings of the tuning dial.

If storage B batteries are used and kept fully charged, and a trickle charger is used on the A battery to keep its voltage constant, this tickler or regeneration dial can be successfully logged and charted. A little study of this tickler dial and its use will soon show that when, for example, the tuning dial is at 20, the tickler is at about 10—when the tuning dial is at 40, the tickler must go up to 22—when station dial is at 60, the tickler setting has climbed to 48—with the station tuning dial at 90, the regeneration or "tickler" dial is to be set at 87. This relationship will, as mentioned before, vary a little unless the battery equipment outlined is included but will be approximately the same at all times, even with dry A and B batteries.

Learn Your Set

The second method of keeping track of regeneration is by listening to the static crackle always present to some extent. With the tuning dial set at, let us say, 40, for a certain station once heard, the regeneration control is increased very gradually until at about 20 when the static crackle will greatly increase in volume and the "live" sound of the set will increase. One soon learns just how strong these sounds get before breaking over into oscillation and, when that point is reached, do not try to force regeneration any more, either with the tickler dial or increase of filament brilliancy.

Suggestion 5 might also stand a little explanation. Too many users of these sets tune by deliberately throwing the set into oscillation and turning the wave length dial until the siren whistle, starting high and coming down in pitch, is heard. This denotes coming into a station's wave and, when one is squarely on the station, either no whistle is heard or but a slight grumbling sound. When a receiver, in a state of oscillation, is tuned-in in this way, exactly to a broadcasting station, it is said to be in a state of Zero Beat. This is a very poor method of tuning for the following reasons: (1) It causes whistles in receivers of all types, which are tuned to the same station, over a radius of several miles; (2) It distorts the quality of your own music; (3) It uses more B battery power and therefore the life of the B battery is considerably reduced; (4) It tends to materially reduce the life of the tube.

Test Set for Blooping

If you are in doubt as to whether your set can and does cause interference you can check the same by making the following test, but be careful to do so at a time when only a few people are apt to be listening. This is another department of marine and fisheries suggestion. Call a neighbor on the telephone and ask him to listen in on a particular station at a prearranged time and then tune your own set to the same station. Turn up your detector tube filament to normal brilliancy and put the regeneration control to its maximum; move your tuning dial five times slowly across the point corresponding to the tuning of that station, then telephone your neighbor and ask him if he heard the interference corresponding to these movements. If he did, you're a potential blooper and care should be used in learning that dial relationship.

This same test might well be tried by the four and five tube set owners, whether they have "neuts," "flexes" or "supers." An improperly adjusted neutrodyne, and most of them come under this heading, can and does radiate beautifully at one end of the tuning range. The flexes usually have a potentiometer control of oscillation that bears the same relationship to the tuning dials that the tickler does on a regenerative set, so named. They're all regenerative to some extent. The owner of a super-het should try this test with neighbors at a distance of two blocks, one-half mile and two miles to get the range and quantity of his interference. This interference can be cut down a great deal by decreasing the B battery voltage on the oscillator tube, and, in addition to helping his neighbors, the owner of such a set will be doing himself some good since he will eliminate the harmonics of powerful stations. Instead of finding such a station on about 8 points on the oscillator dial, he will find it on but 2 points, which is as it should be.

Keep Neutrodynes Neutralized

The neutrodyne owner, if this test shows interference on either a high wave station or a low one, should have his set re-neutralized by someone who knows how. If an experimenter of some experience, he can do it himself. The rules for neutralizing have been printed so many times in all the Radio periodicals that they need not be set down here. Sufficient to say, here, that it should be done on both a high wave station and a low one and an in-between setting of the neutrodons used.

Users of four and five tube outfits which have some means of oscillation control of the radio frequency tubes such as the radio frequency tubes' rheostat, a variable grid circuit resistance or a variable plate circuit resistor, will find the use of a chart of much value. From it, one can quickly set his dials at the points where a desired station would be heard, bring up the oscillation control until static crackle is at the known maximum before oscillation and, if the station is not heard, it either is not on the air or cannot be heard that evening because of adverse weather conditions. Wiggling of dials and fussing with the regeneration control will not help a bit. It just isn't going to come in and one might just as well switch his efforts to some other station within reach.

Plotting Condenser Curves

More advanced Radio men have a system which is called "plotting (or charting) the condenser curves" that enables them to quickly determine dial settings for any station they may wish to hear and, if the dials are set at the points indicated, the receiver is sufficiently sensitive, and the station desired is on the air, the program will be heard. Any owner of a Radio set can easily make up the necessary charts and the only material necessary is a sheet of "graph" paper divided into small squares so that there are 10 squares per inch each way. This paper can be had at any store carrying high school drafting materials, or supplies for engineers, draftsmen or architects.

Figure 5 shows one of these curves made up for a tuned radio frequency or neutrodyne receiver, considerably reduced in size, and, for the sake of clearness, with the smaller lines omitted. The owner of the set for which this chart was made first tuned in station WOC broadcasting on 483.6 meters. Wave lengths between 200 and 550 meters are indicated across the bottom line, so 483.6 is found on the bottom line and followed vertically to the point where it crosses the correct dial setting line, which is horizontal. Dial settings are shown vertically to the right. The dial settings for this station were 75½ for the first dial and 69 for each of the other two. The two small crosses at point A are therefore marked on the chart and another station tuned in.

How to Find New Stations

The second station, in this case, was WSAI with a wave length of 325.9 and the dial settings were 21 for the second and third dials and 24 for the first. The two crosses at point B were put in and, as the third station was WDAF on 365.6, the two crosses at point C were put in. Other stations were tuned in as points D, E, F, G which provided, altogether, seven points on which to make a curve. The points were then connected together as shown by the two long curving lines.

Now to use this chart for the finding of new stations, without straining the oscillation point or increasing filament brilliancy, and blooping all over the neighborhood, is as follows: The owner of this set wishes to tune in station WMAQ and finds by the program that the wave length is 447.5. On the bottom line he therefore finds the point 447.5 and follows that point vertically to the two points at which it crosses the curves drawn. In this case it strikes the curves for the first dial at 64 and the curve for the other two dials at 60. Station WMAQ will, therefore, be found at these dial settings if it is on the air and within the range of this receiver.

(Next week the discussion of blooping goes into the actual detailed construction of a device to be connected in between the antenna and the receiver that will stop blooping.—Editor's Note.)

"MOUNTIES" GREET SUN

(Continued from page 24)

the Arctic circle can advise the broadcasters of their reception of this program.'"

The sturdy old guardsman rested the paper on his knees and glanced sideways at the tower of savory cakes trembling near the smoking griddle.

"I say," he said, "do you really believe it could be possible that a lone man up there in a log hut under the very shadow of the North Pole could actually hear with the same breath, a man talking from here and the south of here, with never so much as a wire between the two of them?"

An hour later Sergeant James Campbell had finished his eleventh pancake and hurriedly excused himself from the table. In two minutes his sinewy form, erect and stalwart in a bearskin coat was silhouetted in the doorway. He went out without a word.

Scattered across the country four men bent over little desks on which were heaps of letters and telegrams. They sat reading the letters into queer receptacles that looked like the woodsmen's water-flask.

Into the far twilight of the frigid north at Craig Harbor, Ellesmereland, within twelve degrees of the Pole, Sergeant Joy sat in a dingy room with a pair of headphones over his ears. Around him were gathered Constables Bain and Dirsch of the Canadian Royal Mounted Service and four Eskimos from Etah, Greenland. A smile spread over the sergeant's face as his ears heard his name called through the air. There were messages for him from Mr. and Mrs. J. Rodolphe O'Malley, 428 Lyon St., Ottawa, Ont., and from others. There were messages also for his constable associates.

At Pangnirtung, virtually astride the Arctic Circle, Sergeant White sat in the log station with only half a dozen Eskimos for human society. On the rough hewn table in the dull glow of a hanging oil lamp rested a keenly sensitive loud speaker. It was known to be reliable and at the hour of ten, there was a breathless hush in the room. From the mouth of the horn came a voice:

"Greetings and cheers to you, Sergeant White, and to all those who serve with the Royal Canadian Mounted Police, from an old comrade. Sergeant James Campbell, stationed at Minneapolis by Captain Time."

Sergeant White swallowed something big and hard and yet quite intangible as this message among several others came distictly out of the magic vessel that so mysteriously unfolded sounds from the world that knocked at his door but once a year.

An old man leaned forward in a comfortable chair in a steam heated flat in Minneapolis. He too heard the message that came through the air from KYW, Chicago.

"Wonderful!" he gasped. "Man alive do you suppose he heard that the same way I did. I hope—I—I wish I was with him."

A STEP ON THE STAIRS

(Continued from page 7)

There was a shrill laugh from the rabbit-faced Cousin William and a frightened cry from Aunt Helen.

"At any rate," broke in the calm voice of the attorney, "at any rate we shall carry out my late client's wishes. We shall set the Radio receiver as he has suggested. We shall then extinguish the lights and sit quietly to see what midnight will bring."

Despite the murmur of protest he stepped to the receiver at the end of the fireplace and set the dials. Then he motioned to Hari Singh, who snuffed the candles one after another. There was no sound, save the smothered weeping of a woman as the last flame died, and then presently a whimpering protest . . .

"Light the lights . . . Light the lights . . . Oh God! I can't stand it . . . "

There was a sound as of breathing in the unseen speaker.

In the dark Henry Graves clasped Mary Williams' hand only to find himself repulsed with a nervous gesture.

"Don't try to pet me . . . I'm not an infant," the girl said with quavering petulance.

"You're frightened," suggested Henry.

"I'm not . . . N-n-not any more than you are."

"Hush . . . there's a whisper in the loud speaker."

EVEN the breathing of the unseen audience seemed to have stopped. The ticking of the clock on the mantel was the only sound to be heard save the whispering of the Radio. And then came a voice, muffled but distinguishable.

"This—this . . . "

A woman screamed. Something crashed in the dark.

"She's fainted," came the voice of Cousin William, suddenly firm and self-assured. "Get her out of here."

"Ladies and gentlemen," broke in the voice of the lawyer Ardwyn. "Whether you faint or not you shall stay here in this room until the clock strikes. That is what Peleg Turner told me to say to you and that is what you will have to do. Just by the way of precaution I have had the doors locked. Only one opens from the inside . . . That is the front door through which none but Turners have ever passed and then only in death."

He halted and as if it had been awaiting the opportunity the Radio voice spoke again.

"This is Station FYX."

A sigh, as if from all twelve guests in concert, smothered the announcement.

"You have tuned in to this station tonight," the voice of the Radio went on, "to hear . . . " A weird scream—a vagrant radiation familiar enough to all of those assembled in the house of Peleg Turner under ordinary circumstances—

(Continued on page 28)

The Crosley 5-tube RFL's, with their new and patented circuit, are specially recommended for inexperienced operators because they are non-radiating, non-oscillating, and cannot be made to howl even if mishandled. Two models—$60 and $75 without accessories.

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SCIENTIFIC RADIO LABORATORIES 254 West 34th Street, Dep't 52 New York City

Two-Tube Short Wave 15-130 Meter Receiver

Part III—The Wiring Made Easy

By John G. Ryan

THE more or less experienced set builder has long since found that the correct way to wire any receiver is to begin with the filament wiring, follow it with the R.F. or detector connections and finish with the audio amplifier. The reason for the filament leads coming first is not hard to understand since many connections from the plate and grid circuits must go to various points in the filament circuits and the wiring of those plate and grid parts could not be completed were the filament leads not in place. On the other hand, the filament wiring can all be put in and the tubes lighted without ever touching a high potential point. This procedure will, therefore, be followed here.

First connect the binding post at the left end of the row of four to the bottom terminal of the open circuit filament control jack which has been mounted with frame upwards. Now put in a wire from the next to bottom terminal, forward beside the jack to front edge of the sub pase, then to right to the right terminal of the Bradleystat, mounted with terminals upwards. From the left terminal of the Bradleystat run a wire back and to the left, up through the sub base to the rear left terminal of the detector socket. From the right end of the Amperite, drop wire through sub base and straight back to the wire connecting jack and Bradleystat. From this last named wire another goes straight forward and up through sub base to the soldering lug placed on the mounting screw at right front corner of the audio transformer. Now connect the left end of the Amperite to the left front terminal of the audio frequency amplifier socket. This completes the negative filament wiring.

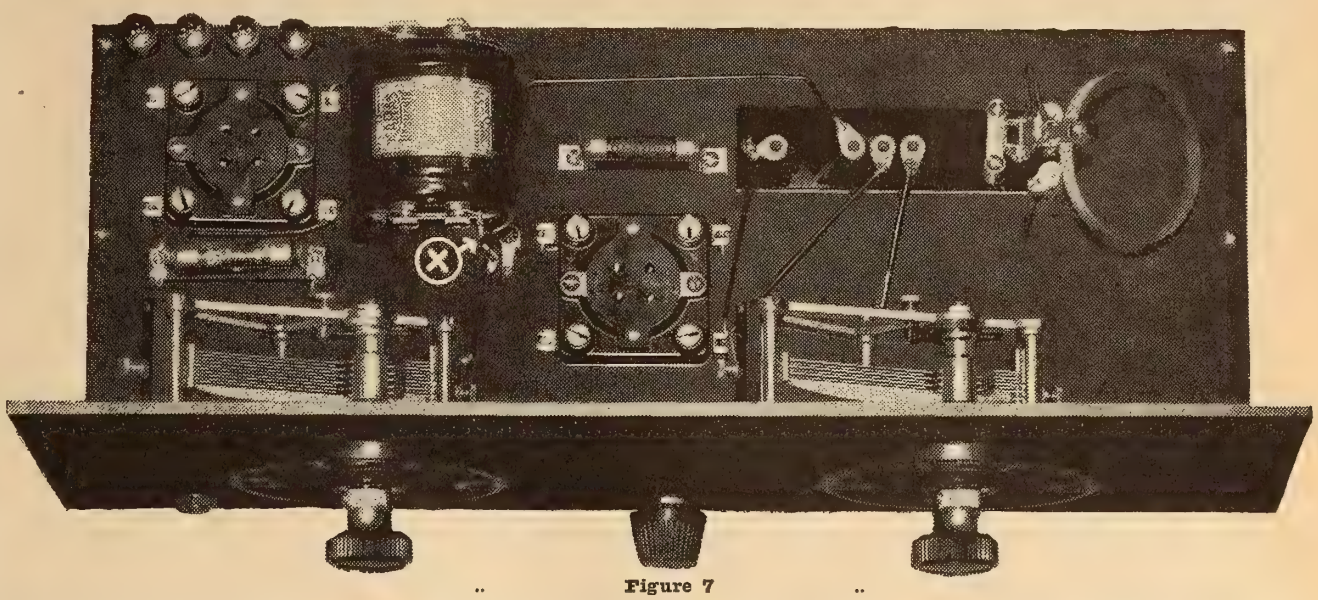

Figure 7

Positive Filament Wiring

Going now to the positive wiring, we first drop a wire through sub base from the rear left terminal of the audio frequency amplifier socket, bend it across to the right until opposite the left front terminal of the detector socket and then forward and up through to that terminal. This peculiar bend is made to leave room for the C battery added later. Where it passes the underside of the second binding post from left, connect it to that post by a short length of wire. By these operations we have completed the positive circuit and can begin on the detector circuits.

From the rotor of the left condenser drop a wire through the sub base and bend to right, then up through sub base to the rotor of the right condenser. Where this crosses the plus filament wire, solder to it. Now, on the upperside of set, run a wire from the F terminal on the coil mounting block, forward to the wire just put in where it joins the right condenser rotor. From the G terminal on that block, run another wire forward and up to the stator terminal at upper left side of the right condenser (.00014 mfd.). On the underside of sub base again, run a wire across to right from the left terminal of the Leakandenser up through sub base to the rear right terminal of the detector tube socket. Thus we have completed the detector grid tuning circuits.

In figure 2 presented with Part I of this series, the feedback coil is placed below the grid coil, G and F, and its upper end marked with the letter B. The lower end is identified with the letter F which should have been the letter P to correspond with the markings on the coil mounting block. From P on the coil mounting block, run a wire forward to the front right terminal on the detector tube socket. From the stator terminal of the left condenser at its lower right side, run a wire back between detector socket and transformer, then to right well behind Leakandenser to the B terminal on the coil mounting. Where this wire passes almost under the P terminal of the audio frequency transformer, run a short wire up to that terminal. It is this wire (X) which will have to be removed if you decide to put in a radio frequency choke, but it would be well to try the set first without it. The detector circuits will be completed if you now drop a wire down through sub base from the B terminal of the Karas transformer, back and to the left to the third binding post.

To complete the set we now proceed to the audio frequency amplifier part. The G post on the Karas transformer is at the rear right corner. From it, run a wire down almost to the sub base, then to the left to the G terminal of the audio amplifier socket which is also at the rear right corner. From F post of the transformer, drop a piece of bus bar down

(Continued on page 28)

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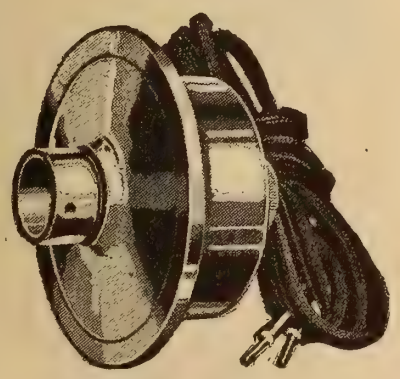

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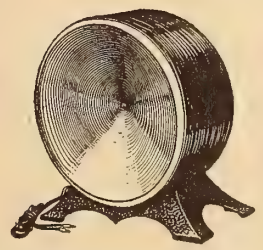

The Acme "double free-edge cone" loud speaker. Round Model (shown), $25. Cabinet Model, $35.

NOW you can get the full joy of radio. Those thin, tinny piano notes, those muffled, nose-holding singers' voices—mere shadows of the living, thrilling originals—are gone forever. Now by a new principle, that of the "double free-edge cone," the new Acme loud speaker gives you volume reproduction of the human voice and all musical instruments with faithful exactness. It fills and rounds out, puts life, fire, reality, into the shadowy phantom voices you have been so accustomed to hearing.

No tense straining to make out muffled voices—no disappointment. You hear the natural voice speaking—not a megaphone.

After 5 years' effort and the testing of 256 different experimental models, the new Acme "double free-edge cone" loud speaker gives you front row seats at any broadcast entertainment.

The whole story of distortion and how the Acme Loud Speaker and other Acme apparatus overcome it is told in "Amplification without Distortion." 300,000 radio fans have found it helpful. Use coupon to get your copy. Acme Apparatus Company, pioneer radio and transformer engineers and manufacturers, Cambridge, Mass., U. S. A.

Above is section of loud speaker, showing two free-edge cones.

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Gentlemen: Enclosed find 10c (stamps) (coin) for my copy of "Amplification without Distortion."

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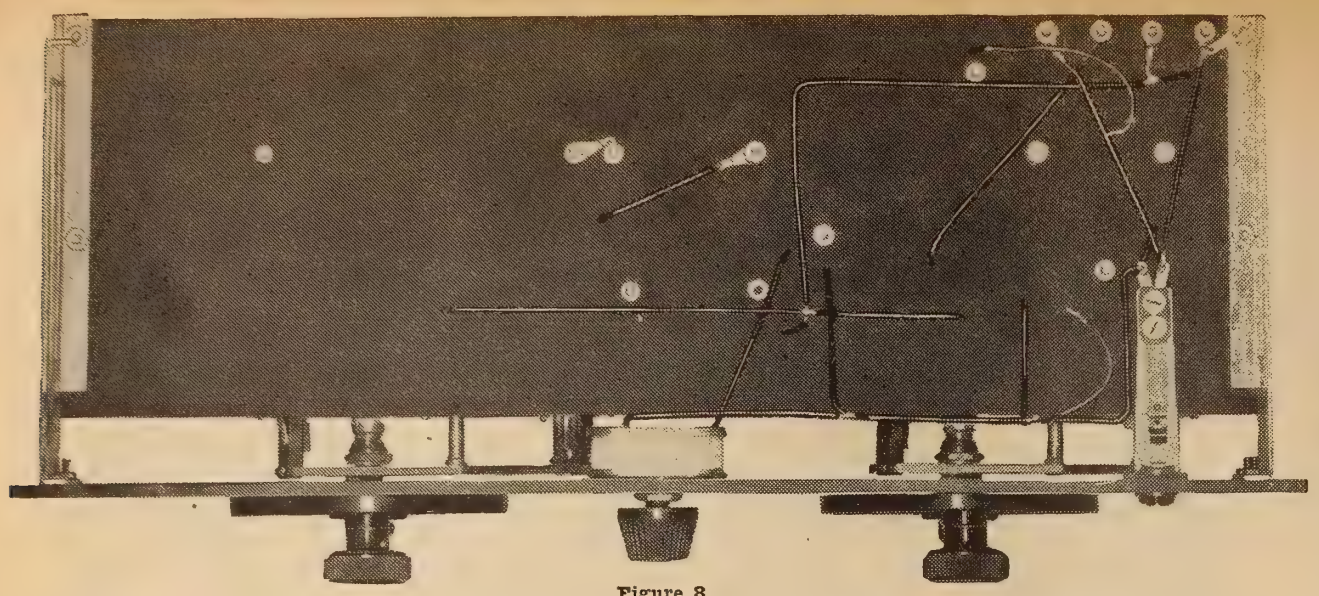

Figure 8

SHORT WAVE RECEIVER

(Continued from page 27)

through sub base and, on the underside, solder on a short piece of flexible wire for connection to the C battery. From the P terminal of the audio amplifier socket, front right corner, drop a wire through sub base to the top terminal of the jack and connect the next to top terminal to the fourth binding post. Then connect a short piece of flexible wire to the bus bar connecting the jack and the Bradleystat at the point where the wire leads off to the Amperite.

To hold the C battery in place we use the brass strip shown in Part II, the machine screw holding the front right corner of the transformer and that which holds the Amperite. It will be found that the C battery can be placed in the space provided in the brass strip when bent correctly, and that the holes in the strip will then fall right on the lower ends of the machine screws mentioned. You can either loosen the hex nuts you now have on those screws and slip the ends of the strip under them or you can put another hex nut on each to hold the strip. The battery should be set in with its terminals to the left and the negative 4½ clip to the rear. The flexible wire coming through from the Karas transformer's F post is now connected to the negative 4½ post on the battery and the flexible wire on the negative bus wire in the set goes to the plus post of the battery.

(The set is now completed and ready for operation. Next week, the concluding article shows how to connect the set to its accessories and goes into detail on the adjustments for satisfactory operation.—Editor's Note).

A STEP ON THE STAIRS

(Continued from page 26)

cut off the voice and a murmur of sobbing and hoarse breathing arose from all corners of the room.

"Do not be alarmed," suggested Ardwyn quietly. "We can expect interference here . . . And it is not yet midnight."

"I wish I was out of this," breathed Henry Graves fervently.

"Listen," commanded Mary Williams only half audibly. "I hear something."

IN THE black silence beyond the unseen doors something was moving. Three short taps, then, three more taps widely spaced, three short taps—the padpad of stealthy footsteps fading away into the muffling darkness.

"What's that?" cried Mary.

"SOS," came a whisper from across the room.

"A step on the stairs," suggested Henry . . . "The Indian probably or the caretaker." His tone gave evidence that he did not believe his own explanation.

There was a whirring sound from the mantelpiece.

"The clock is going to strike," whispered Mary.

"Midnight," boomed an unidentifiable voice. And then the chimes tolled the hours slowly with brazen, echoing challenge . . . one . . . two . . . three . . . up to twelve. Nothing happened. The echoes of the clock died into silence more complete, more ghastly than before.

"I feel a draft," came the low, agonized baritone of Aunt Helen. "What is it? God help us . . . Somebody has opened the front door."

"This," boomed the voice of the Radio with sudden clarity and volume. "This is Station FYX. We are about to broadcast . . . "

The groaning of Aunt Helen . . . the wild sobbing of men and women, speechless in the panic of the dark, were suddenly silenced by a crash from the Radio.

"Something's gone wrong at FYX," declared the lawyer Ardwyn, shaken out of his complacency for the first time.

A smashing of glass followed the first reports. Muffled cries filtered through the speaker.

"Help!" shouted a choking voice. "Don't let him get me . . . don't."

An echoing report, terribly real and convincing despite the distortion of the curving horn, ended the appeal.

"A pistol shot," murmured someone in the hunt-room. And then once more the voice of the announcer almost unrecognizable in its terror:

"There has been a murder at FYX," it repeated over and over again. "For the love of God send the police."

Who killed Jeremiah Turner? What is this curse that haunts the House of Turner? Where did the mysterious stranger go? Who made the sound of the step on the stairs? And, finally, what happened at the studio of Station FYX? Perhaps the next installment of Mr. Casey's thrilling mystery story, which will appear in next week's Radio Digest, will give a hint in answer to one of these questions.

Hear English Station Rugby In Far Lands by High Power

LONDON, Eng.—Preliminary trials of the great high-power Radio station near Rugby have shown that the station will fill its object. The power applied to the aerial has been increased step by step. Quarter-power was reached about a month ago, and reports came from Java and Hong Kong that the signals were very strong there.

More recently half-power was reached, and the station was heard well in Australia, and very strongly in America.

Continue Program Through Darkness

Lights Going Off in Studio Do Not Cause Even a Break in Entertainment at WSOE

MILWAUKEE.—If there is one thing that Radio engineers and announcers do not like to do, that is to be compelled to sign off before a program is completed because of equipment or wire trouble or because of the many other reasons which may compel a station to temporarily shut down.

During the broadcasting of a musical program from the Milwaukee automobile show by WSOE, the School of Engineering station, all lights in the studio went out but the station continued in operation because of the use of storage batteries.

Use Matches for Lights

Katherine Kies Hardtke was at the piano while several of the staff artists were singing a duet. Oscar Meissner, the announcer, stepped over to the artists, whispering, and asked them if they could finish the song. They replied they could.

The song was completed but the studio was still dark. Several artists, waiting their turn to broadcast, struck matches and held them near the piano and the next selection was broadcast.

Program Not Interrupted

By this time, O. W. Werwath and F. A. Vaughn, president and vice-president of the School of Engineering, had connected up flood lights from a different electrical circuit and the program continued.

It was a half hour later when the regular studio lights went on and not a single number was missed on the program. WSOE had kept on the air for its scheduled program and the operator, Morris Thomas, and announcer, Mr. Meissner, were satisfied.

Daily Worship at KFNF

SHENANDOAH, Iowa.—An impressive feature of KFNF, Henry Field Seed company station here, is the old-fashioned family worship broadcast each weekday morning at 7:30 Central time. The ceremony is simple but effective. It consists of a few songs by the seedhouse employes, Scripture reading by Mr. Field, and a short prayer.

JUST OUT! New Wonder Radio! At Lowest Factory Prices.

Why be satisfied with any but the NEWEST radio set? Why pay high prices? Why take chances, when you can put this NEWEST 5-Tube Westingale Model in your home for 30 Days Trial on the absolute guarantee that if you don't find it the most beautiful in appearance—the most reasonable in price and the best radio set you have ever seen or heard—You Don't Have To Keep It! Built in the new style brown walnut cabinet with sloping front panel, gold embossed in Renaissance design. Will receive concerts from coast to coast. Buy a Westingale set direct from manufacturer and save money.

5-TUBE RADIO Retail Price $45.00

3-TUBE RADIO Retail Price $26.00

Don't buy any radio until you get our FREE Folder, which describes this newest of all radio sets and gives our

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Gets Everything But Noise!

Read this convincing letter from a man who has "listened and marvelled":

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Kane Antennae Co.,
Gentlemen:

We have found your Kane Antennae the greatest thing we have come across in the way of eliminating interference. It is a real life saver to us, as since we have installed it we get wonderful reception, where before we got only noise.

Very truly yours,
Utica Radio Supply Co.
By M. Swire."

KANE ANTENNAE

Entirely eliminates all power noises such as leaky transformers, generators, motor hums, Delco Plants, etc. Cuts static and regeneration howls and squeals in two. Dr. Gehrig of Oakland, Cal., says it improves his reception fully 60 percent. Do away forever with disagreeable noises.

$1.00 Brings BLUE PRINT Complete Working Drawings and full instructions for erecting this wonderful Antennae. Just send $1.00 (a check will do. Stamps not accepted). A limited number available. Send TODAY.

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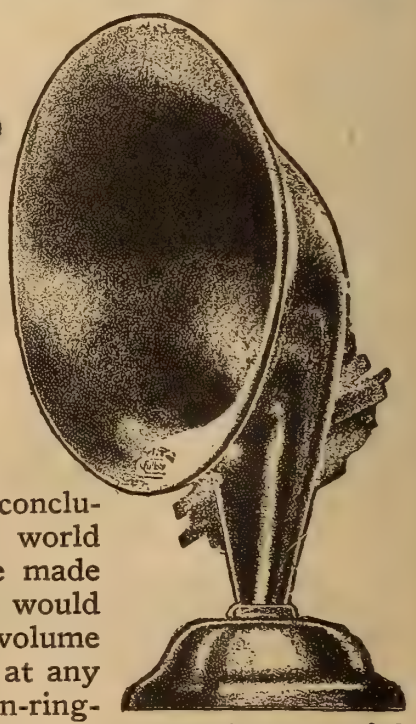

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Fultone Loud Speaker has conclusively proven to the radio world that a reproducer could be made and sold at $6.50 which would handle music or speech in volume as perfectly as any speaker at any price. The horn is solid, non-ringing and wide-throated enough to handle the powerful reproduction from super-heterodyne or reflex. The adjustable diaphragm permits matching Fultone to any receiver and "B" battery voltage.

The Fultone speaker will be shipped on a satisfaction or money back basis on receipt of price in money order or currency. The coupon is provided for your convenience in ordering if your dealer cannot supply you.

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Enclosed is $.....for which ship me ( )

Fultone Speaker.....( ) Fultone Unit at once, my money to be refunded if I am not satisfied and return this merchandise within 5 days.

NAME .....

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CITY AND STATE.....

The Reader's View

For Silent Night

Knowing that the Radio Digest has quite an influence in the Radio world, I would like to repeat a suggestion that many listeners have made and advocated. That is that every Radio station in the United States have one silent night per week, regardless if there are one or many stations in any particular city, this to apply to large stations as well as small. If there should be more than one station in a city they should chose among themselves which is to be their silent night. Many programs do not go over on account of the congestion. A silent night is a benefit to the broadcasters instead of a determent.—H. F., Springfield, Ill.

"Thank You"

Realizing the time, expense and other incidentals to a broadcasting station, let us encourage WSMB. Surely one can "tune her out" if one so desires. If it gives any pleasure to anyone for WSMB to read her telegrams received, here's one who won't complain. My humble contribution is "Thank you." When I don't like her program, my set is selective enough to tune out.—A. J. J., Wilmington, N. C.

Suggest It to Your Radio Dealers

Why don't you get up a petition to Washington to have congress pass the appropriation for Radio inspectors in all larger cities. Conditions here are terrible on account of Power Peaks, local stations out of allocated wave bands and other causes that could be remedied.—M. S. M., Kansas City, Mo.

Keeping with Daughters

A mother with one girl in college, another graduating from high school in the spring and another a sophomore in high school, hears "school" day in and day out, with a little fear creeping into her mind that her girls are going beyond her educationally.

What joy when she learns of the Radio extension course offered by the University of Nebraska. The mother enrolls and after the first lesson, the family listen to her outline and the comments are so pleasing and favorable that the fear is abolished. She is indeed grateful to the Radio broadcasting stations, the professors and the university with a broad vision.—Mrs. H. C. T., Marysville, Mo.

Classical Is Brain of Music

In the issue of the Radio Digest of January 2, I noticed "Less Classical Music" under the Reader's Views by L. F. W. of Conway Springs, Kans., wherein the writer states that broadcasting would be improved 75 per cent if popular music and old-time music and music that is good took the place of classical music. I would like to ask the writer a question: Do you not think classical music good music?

To exclude classical music from programs would be like removing the human brain and then awaiting results, which of course we know the victim would be dead. It would be the same result with the Radio program if the classical music was excluded. It would be dead. We need a variety to satisfy.

The time has come when we must accept the psychology of broadcasting programs and also accept what has been supervised by the studio director with an open mind and not leave the subject of classical music to one person to say that 75 per cent of the broadcasting would be improved if classical music was excluded from programs. It takes far more technique to sing or play classical music than it does the so-called jazz.

If you cannot understand classical music study a little French or Spanish and than listen to its beauty. Take a little broader view on life and you will soon realize the beauty of classical music.—E. F. W., Rockford, Ill.

"Hot-Mush-in-the-Mouth"

I have been a regular reader of your paper since I received a set for Christmas, on December 23. I have been wondering whether it would be possible for you, through your paper, to conduct a campaign against what I call "Hot-Mush-in-the-Mouth" announcers. For instance, I tried for three or four different evenings, during a week or more, to locate one station. I get it regularly now. When the announcer gave the name of the next selection I could understand him. But when he announced the station he took up a handful of hot mush and put it in his mouth so that his call sounded exactly like another station 500 miles from his, the first two letters being the same. I have twenty or more dial listings on my log book for stations which I can not identify because of faulty announcing. If I preached like those fellows announce my job as pastor of a church would not last two weeks. A patient sufferer, who thanks you for help. —F. T. K., Littleton, Colo.

Stick to Announcing

In general, and of course there are exceptions, announcers or station managers confuse the function of announcers and entertainers. If the announcer would be brief and to the point, and confine himself to the essentials of announcing and let others do the entertaining, conditions would be better. Let them refer to the stations letters instead of saying, 'We," "Our," "Us," etc. By all means the station should be announced after every number as well as the offering and the performer. Let the public decide as to the beauty of the numbers—it is not necessary to be told by the announcer. The recent fad of a running discourse during musical numbers is a nuisance. Neither the talk or the music can be enjoyed.—V. A. M., Chicago.

A Few Complaints

To my estimation, American broadcasting has reached a stage where drastic measures must be taken to remedy the many faults.

For example, tuning in on any set of reasonable price, the zone from 246 meters to 297 meters is one of the most terrible messes on the air and there seems to be no remedy. I have tried antennaes of all shapes, sizes and directions and it is the same.

Another thing that impresses me strongly is the program arrangements. Starting with the dinner-hour concerts, every station tries this classical, then vocal, then jazz and old-time tunes. Why not have them mixed a little?

Still another thing is the method of signing off. I tuned in on Porto Rico several times and it was quite a thrill and made one feel proud of the island when it signed off with the national anthem, "The Star Spangled Banner." This "Home Sweet Home" stuff is getting old and is far from being characteristic of the word America.—C. H., Sterling, Nebr.

AND YE MINSTREL STILL WANDERS

THE Radio minstrel is here. He does not always play a guitar and sing, as did traveling minstrels in olden days. But he moves from broadcasting station to broadcasting station, playing upon odd instruments, for the pure love of it, and for the joy he gives listeners.

Within thirty days at KGO five Radio minstrels reported to the studio manager ready to do their bit entertaining silent audience of the day and night. One minstrel brought his "mouth organ" or harmonica; another played a Tyrolian zither; another carried a set of "sweet potatoes" or ocharinas, small terra-cotta instruments toned like flageolets; another drove to the station in a flivver and unloaded his "kitchen piano" or dulcimer, stringed and played with flexible hammers; and a fifth appeared with a sack containing a one stringed fiddle and bow of his own make. All instruments, unusual as they are, were peculiarly adapted to broadcasting, and music poured from the hearts of the players as it did from their brothers of old.

"We are only observing Bible teaching," said one of the minstrels. "We cast our music upon the ether—and, brother, it sure works! When I travel up and down this coast I come across friends everywhere—and chicken dinners, too."

Not Perfect Radio World.

Coming out from under the landslide of R. McB. M. from up Mansfield, Ohio, way, I'd like to shake a little of the mud off and feed this bird a little Radio seed which might, if he'll plant 'em in an investigation bed, grow into a few pointers which might serve to soothe his vicious breast.

It is evident from R. McB. M's line of chatter that he knows less of Radio than of common politeness, so it would be lying down on the job not to rise on my hin' laigs and tell him that a non-radiating Radio receiver has not been built yet —nor will one ever be built which will step out and get anything over the range of a crystal detector.

The so-called single circuit, carelessly handled, is a disturber, but it has nothing on neutralized circuits in the hands of inexperienced manipulators. An idiotic impression is widespread that a superheterodyne is the real sweet papa golden rule perambulator, when operated from a loop collector system—but ask anybody who knows what constitutes Radio energy as it is handled from loop or antenna into detector, and he'll tell you that the loop merely reduces the radiation, the range depending on the handling of the potentiometer or other potential variation conrol. I have used a six, a seven and eight tube super on loops, and they all disturb my neighbor fifty feet away—I haven't asked the more distant ones. This bird seems to think that interference is non-existent unless it's audible in the form of a squeal. I have many times been listening with various types of sets when some neutrodyne minus the "neut" would come absorbing in to the same frequency and walk away with the signal —the supers do it—the regenerators do it also. The only circuit which would not radiate damagingly when tuned up to or close to oscillation would be one properly neutralized well below the point of oscillation and such a set would be useless except on very powerful stations.

It isn't a perfect Radio world yet, but nothing is to be gained by condemning the pioneer regenerator when the pioneer is no more to blame than sweet papa multituber, nor is cussing the government going to help a bit.—C. O., Slaton, Texas.

Whad'yamean Just?

Under the head of "Telegram Programs," I sustain the objections of complaint. I arise to interpose others. Any moron ought to be able to recognize a piece of music after it has been broadcast 100 or 150 times. Then why take the time either before or after to announce, "You have **just** heard, "Let Me Call You Sweetheart," etc.

Also, why the **just?** The dictionary I consulted gives the definition of **just** as right; acting rightly; rendering or disposed to render to each one his due; upright; impartial; righteous; proper; adv. exactly; barely; nicely; almost. Not one of the definitions fit the word as it is used by announcers.—T. H., Okemah, Okla.

Paging Mr. Hoover

I have been reading the Radio Digest and have noticed several letters from people telling of the interference between stations. Here is some of the trouble I am having. The stations from 280 meters on down are so thick that I can not get much out of any of their programs. I heard KFJK and KWKH broadcasting at the same time and they are both on the same wave length, also WENR, KMOX, KFOB and KFNF are so near the same wave that their programs are not much good. Something ought to be done.—H. R. Cope, Lamesa, Texas.

Fred W. Stein.

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No Radio Set Complete Without It

Select stations at will. With music and voices crowding the air the average set fails to bring in the desired stations properly. The ***Steinite Interference Eliminator*** shuts out local and other interference. You get one station at a time, the one you want, and tune in loud and clear. Operates on any set—attach to aerial wire and to set—no changes—no extra tubes or batteries. Greatest Dollar Value in Radio Today.

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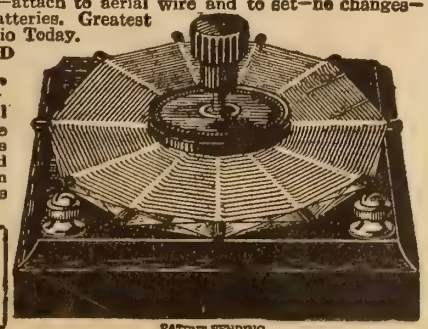

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FREE Descriptive Literature on request.

Put this interference eliminator on your set and note amazing improvement. No tools needed—install in a moments time. Connect with set and follow simple instructions. Money back promptly if not delighted. $1.00 postpaid anywhere in U. S. when cash with order.

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Your set is no better than your poorest tube. They must be uniform

A good tube must have:

1. Good Tone Quality.
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Plate impedance 8500 — 10,000 ohms.

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Each tube is tested rigidly on a Superradio Dynometer before shipment.

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Try these tubes 10 days at our expense. If they are not what we claim, we will gladly refund your money.

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Year after Year leading builders of fine sets use more Thordarsons than all competitive makes of transformers combined ~proof they are best!

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THORDARSON ELECTRIC MFG. CO., CHICAGO

TRIP TO NIAGARA FOR BEST CRITIC

WHT Asks Criticisms on U. S. L. Program—Couple Winning to See Falls

CHICAGO.—As an inducement to Radio listeners to state their desires in the matter of broadcasting programs, a trip to Niagara Falls has been offered to the couple submitting the best constructive criticism of Station WHT, located in the Wrigley building here.

The offer was made after it became evident that mail from listeners consisted of either the purely complimentary type or request letters. Listeners who dislike a program rarely take the trouble to write the station about it, station officials say.

The offer closes March 1 at which time the winner will be selected. It applies particularly to the "U. S. L." programs which are presented Tuesday and Thursday evenings. In case of a tie a duplicate award will be made.

Col. Edwin House Is New Announcer at WMBB Mike

CHICAGO.—Clyde Hager, chief announcer of Station WMBB of the Trianon, "The World's Most Beautiful Ballroom," has resigned his post and has been succeeded by Col. Edwin House, it was announced by N. R. Weaver, director of the station.

Colonel House was formally connected with Stations WLS and WGN and is widely known as a baritone soloist and community song leader and instructor. During the war he conducted community singing for the Y. M. C. A. and later toured two seasons with his Colorado Cowboy band.

A set does not have to be in a polished cabinet to give good results.

A single circuit set is not as selective as a two-circuit one.

SOLVE RADIO MYSTERY?

(Continued from page 3)

representative districts throughout the country who will place these episodes on the air concurrently with the story as it is published in Radio Digest.

Following are the first stations enrolled to broadcast "A Step On the Stairs," from the lips of the characters in the story:

WCCO, Gold Medal Station, Minneapolis-St. Paul; WOAW, Woodman of the World, Omaha; WGY, General Electric company, Schenectady; WMAQ, Chicago Daily News, Chicago; KOA, General Electric company, Denver; WOC, Palmer School of Chiropractic, Davenport; WNAC, Shepard Stores, Boston; KGO, General Electric company, Oakland, Calif.; WRC, Radio Corporation of America, Washington, D. C.; WHO, Bankers Life company, Des Moines, and WSAI, United States Playing Card company, Cincinnati.

One large station in New York city had announced at the time of going to press, that it desired to present the serial Radio play, but arrangements had not been concluded. WBAP, Star-Telegram, Fort Worth, Texas, will also present the feature beginning in April.

Rules Are Announced

The days and the hours on which the play may be heard from the various points are listed on page thirteen, together with the cast of characters who will be heard over the microphone. The story, as written by Robert Casey, begins on page six of this issue.

Keen-witted listeners and readers have an equal opportunity of winning part of the $500 prize money to be awarded for the best or nearest solutions of the mystery. The prizes are divided into: First, $250; second, $100; third to seventeenth, inclusive, ten dollars each.

All rules and announcements having a bearing on the contest will be found on page six, this issue, with the beginning of the serial mystery novelette.

Butte Radio Club Is Leader

BUTTE, Mont.—The Butte Radio club, which has the largest membership of any listeners' organization in the United States, is rapidly forging to the front as the leader in organizations of this kind. Other cities throughout the nation are asking advise from the Montana club, the latest communities wishing information on building Radio clubs being Salt Lake City and Beaumont, Texas.

Resigning Pastor Preaches Over Schenectady Station

SCHENECTADY, N. Y.—Dr. Bernard C. Clausen, the pastor who tries to resign his job every year, preached the morning and evening sermons for the audience of WGY, Sunday, recently, when the services of the First Baptist church of Syracuse were put on the air. With his annual resignation to his flock, Dr. Clausen submits a plan of procedure and definite objectives for the coming year. Up to the present he has resigned five times and his congregation, growing steadily, has refused to let him go.

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regardless make or condition, toward purchase of each new standard $2.50 tube. (WD11 or WD12 tubes not accepted). Positively guaranteed. We do not sell re-built or bootleg tubes. Agents wanted.

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Room 58, 39 West Adams, Chicago, Ill.

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Loose Leaves—Large Colored Radio Map FREE

New 62 page Log and Information Book. Corrected sheets published as changes in calls, wave lengths, watts, owners and addresses, etc., occur and as late data comes out. 468 stations. 4 dial settings. **Tuning suggestions.** Station lists by wave lengths (meters, also kilocycles)—by states, by cities, etc. **Trouble aids.** Dictionary Radio Terms. Repair Hints. Trouble Preventers. Ideal Aerial. Care of Batteries. Chart showing dial settings for each wave length. Other information necessary to enjoy radio. So convenient. Worth many times small cost. Beautiful cover (gold letters). Only $1.

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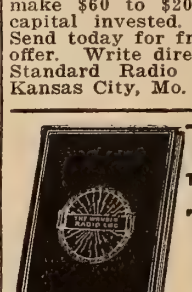

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Lists the Broadcasting Stations three convenient ways—(1) by Call Letters; (2) by Locations and Owners; (3) by Kilocycles and Meters. Includes 24 page Wonder Radio Diary by months and days, and Wonder Radio Distance Map. Ample space for keeping complete Log and for changes, additions and revisions.

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BY-PASS
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The Perfect Ground

Marvelous newly-invented ground gives 100% improved reception. Doubles power and distance. Stops leakage. Reduces static. Stops jangling even in mid-summer. Results never before equalled, users say. Satisfaction Guaranteed.

Proven absolutely essential to clear, powerful distance reception. Draws and holds moisture indefinitely. Highly sensitive to radio energy.

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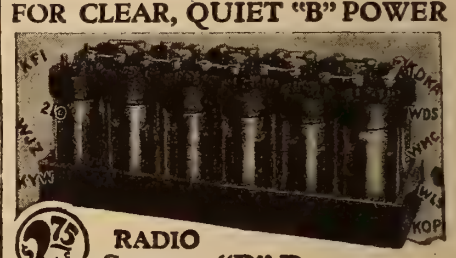

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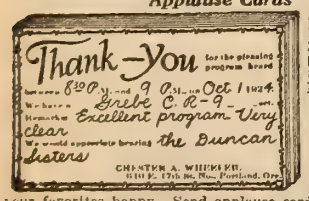

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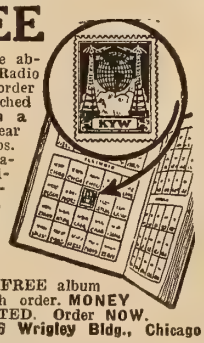

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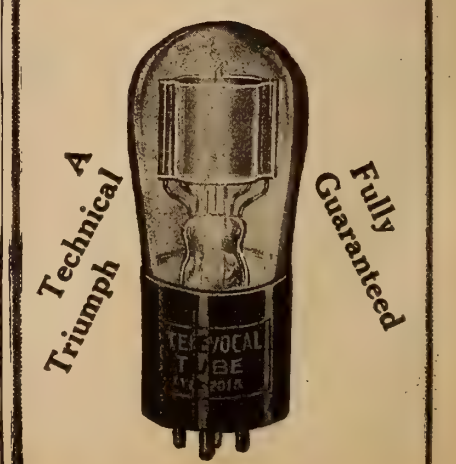

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Radiophone Broadcasting Stations

Corrected Every Week—Part IV

FIND MISTAKES AND YOU'LL GET DOLLAR

ONE DOLLAR will be paid to the Radio fan reader of Radio Digest submitting the most errors in any one station's listing in the Directory of Radiophone Stations, which appears in six parts, serially continuously on the next to last page. Letters must reach Radio Digest's office not later than one week from date of issue corrected. Readers are not limited to correcting one station, but such corrections must be verified by the stations themselves, and NOT by comparison to other so-called accurate Radio directories or lists. Verifications must accompany corrections. Turn in corrections for as many stations as you can find—if you can find errors! Use separate sheet of paper for each station submitted and place name and address on each sheet. In case of tie, duplicate awards will be made.

United States (Cont'd)

NOTE.—The fourth part of the schedule list appears below. Part five appears next week.

WMAC, Cazenovia, N. Y. 275.1m-1090kc. 100 watts. C. B. Meredith. No definite schedule.

WMAF, South Dartmouth, Mass. 440.9m-680kc. 1,000 watts. Round Hills Radio Corp.

WMAK, Lockport, N. Y. 265.3m-1130kc. 500 watts. Norton Laboratories. Announcer, DeWitt C. Gerritson. Daily ex Sun, 7:15 pm, news. Tues, Thurs, Sat, 6:15-7:15 pm, dinner music. Mon, 8:30-10 pm. Sat, 7:30-11 pm. Sun, 10:25 am, church; 7:30 pm, church service. Eastern.

WMAL, Washington, D. C. 212.6m-1410kc. 130 watts. M. A. Leese Optical Co.

WMAN, Columbus, Ohio. 277.6m-1080kc. 50 watts. First Baptist church. Announcer, John Bohannan. Sun, 10:30-12 noon, 7:30-9 pm, church services. Eastern.

WMAQ, Chicago, Ill. 447.5m-670kc. 1,000 watts. The Chicago Daily News. Announcer, Roberty Whitney. Daily ex Sun, Mon, 12-3 pm, 4-7. Daily ex Sun, Mon, 8-10 pm. Central.

WMAY, St. Louis, Mo. 247.8m-1210kc. 100 watts. Kingshighway Presbyterian church. Slogan, "May Every By-Way Hear Kingshighway." Sun, 11 am, 8 pm. Central.

WMAZ, Macon, Ga. 260.7m-1150kc. 500 watts. Mercer University. Announcer, Carey O. Pickard. Mon, Thurs, Fri, 10-11 pm. Fri, 9-10 pm. Tues, Fri, 8-9 pm. Wed, 11-12. Eastern.

WMBB, Chicago, Ill. 249.9m-1200kc. 500 watts. American Bond & Mortgage Co.-Trianon. Announcer, Col. House. Slogan, "World's Most Beautiful Ballroom." Daily ex Sun, Mon, 7-8 pm, 9-11. Sun, 3-5 pm, 7:45-11. Central.

WMBC, Detroit, Mich. 256.3m-1170kc. 100 watts. Michigan Broadcasting Co. Mon, Wed, 6:45 pm, 10. Tues, 10 pm, 11. Thurs, Fri, 8 pm. Eastern.

WMBF, Miami Beach, Fla. 384.4m-780kc. 500 watts. Fleetwood Hotel. Announcer, Ed Kampf. Daily, 7-8 pm, dinner concert; 8-9, 10-1 am. Eastern.

WMC, Memphis, Tenn. 499.7m-600kc. 500 watts. The Commercial Appeal. Announcer, Francis S. Chamberlin. Slogan, "Station WMC, Memphis." "Down in Dixie." Club, "Midnight Frolic." Daily ex Sun, 9:45 am, 11:30, 2:30 pm, weather, markets, music. Daily ex Sun, Wed, 8:30 pm, program; Tues, Fri, 11 pm, Midnight Frolic. Sun, 11 am, church service. Central.

WMCA, New York, N. Y. 340.7m-880kc. 500 watts. Hotel McAlpin. Announcer, Snedden Weir. Slogan, "Where the White Way Begins." Daily, 6-12 mid-Night. Tues, 11-1 pm. Sun, 11-12:15 pm, 5-11. Eastern.

WNAB, Boston, Mass. 249.9m-1200kc. 100 watts. The Shepard Stores. Announcer, John J. Fanning. Daily ex Sun, 3-4 pm. Eastern.

WNAC, Boston, Mass. 280.2m-1070kc. 500 watts. The Shepard Stores. Announcer, John J. Fanning. Daily ex Sun, 10:30-11:30 am, 12:15-2 pm, 4-5, 6-7:35, 8-10. Sun, 11 am, 1:30-2:30 pm, 3-4, 6:45-8:30. Eastern.

WNAD, Norman, Okla. 254.8m-1220kc. 500 watts. University of Oklahoma. Announcer, C. E. Bathe. Slogans, "Oklahoma"; "Voice of Sooner Land." Daily, 9:15 pm, weather, news. Wed, 8:30-9:30 pm, music. Central.

WNAL, Omaha, Nebr. 258.5m-1160kc. 50 watts. Central High School. Announcer, Ronald J. Rockwell. Slogan, "Pioneer Broadcast of Omaha." Fri, Sat, 7:30-9 pm. Central.

WNAT, Philadelphia, Pa. 249.9m-1200kc. 100 watts. Lennig Bros. Co. Announcer, Jess Brinton Young. Slogan, "We Never Are Tired." Wed, 6:50 pm. Eastern.

WNAX, Yankton, S. D. 243.8m-1230kc. 100 watts. Dakota Radio Apparatus Co. Daily ex Sun, 11:30-11:45 am, markets, weather; 3-4 pm, music. Central.

WNBH, New Bedford, Mass. 247.8m-1210kc. 100 watts. New Bedford Hotel. Announcer, A. J. Lopez. Mon, 6-10 pm. Wed, Fri, 6-7 pm, 8-10. Sun, 11-12:15 pm, 4:30-5:30, 7-8:30. Eastern.

WNJ, Newark, N. J. 252m-1190kc. 150 watts. Radio Shop of Newark, Inc. Announcer, W. A. Bingenheimer. Slogan, "The Voice of Newark." Tues, Wed, Fri, Sat, Sun, 6-6:30 pm, 8:30-12 midnight, dance music. Eastern.

WNOX, Knoxville, Tenn. 267.7m-1120kc. 500 watts. Peoples Telephone & Telegraph Co.

WNYC, New York, N. Y. 526m-570kc. 1000 watts. New York Municipal Radio station. Announcer Tom Cowan. Slogan, "Municipal Broadcasting Station of the City of New York." Daily 7 pm, markets; 7:30 pm, 10:30, police; 7:35, entertainment; 10:30, weather. Eastern.

WOAI, San Antonio, Tex. 394.5m-760kc. 2000 watts. Southern Equip. Co. (Evening News-Express), Announcer, J. G. Cummings. Slogan, "The Winter Playground of America, Where the Sunshine Spends the Winter." Daily ex Sun, 10 am, weather reports, news; 12:15 pm, 3, 6:15. Tues, Wed, Fri, 8:30-9:30 pm, Sun, 11 am, service; 7:30. Central.

WOAN, Lawrenceburg, Tenn. 282.8m-1060kc. 500 watts. James D. Vaughan. Announcer, James D. Vaughan. Daily ex Sat, 9-10 pm, concert. Central.

WOAW, Omaha, Neb. 526m-570kc. 1000 watts. Woodmen of the World. Announcer, Lester Palmer. Slogan, "The City Surrounded by the United States." Daily ex Sun, 8:15 am, 8:55, 10:30, 12:30 pm, 1:45, 4, markets. Daily ex Sun, Sat, 12:45 pm. Daily ex Sun, Wed, 6-7:30, 9-11. Sat, 11-12 midnight, dance. Sun, 9-10:45 am, 1:30 pm, 2:30-4 pm, 6, 9. Central.

WOAX, Trenton, N. J. 239.9m-1250kc. 500 watts. F. J. Wolff. Slogan, "Trenton Makes; the World Takes." Daily ex Sun, 12:05-12:45 pm, music, weather. Tues, Fri, 5-6 pm, 8:30-10:30. Sun, 10:15-12:15 am. Eastern.

WOC, Davenport, Iowa. 483.6m-620kc. 5,000 watts. The Palmer School of Chiropractic. Slogan, "Where the West Begins and in the State Where the Tall Corn Grows." Daily ex Sat, Sun, 12:15 pm, weather, Radio Farm school; 1:55 pm, time; 2, closing markets; 3, home hour; 5:45, chimes, 6, bulletins, Tues, 6:30-7 pm, 7:30-9; New York program, 9-10. Wed, 4-4:45 pm; 9-11, Thurs, 7-10 pm, 11-12. Fri, 4-5 pm. Crescent orchestra; 6:30, 8-9. Sat, 12:55 pm, 1, 5:45, 6, 6:30, 9-10 pm; 11-12. Sun, 1-2 pm, 6:30-7 pm, church; 8:15-9:15, WEAF program; 9:45-11:45. Central.

WOCL, Jamestown, N. Y. 275.1m-1090kc. 15 watts. Hotel Jamestown, Inc. Announcer, William A. McCutcheon. Slogan, "We're on Chautauqua Lake." Mon, 9 pm. First Mon each month 9-3 am, Sun, 10:30 am, 7:30-9. Eastern.

WODA, Patterson, N. J. 223.7m-1340kc. 500 watts. O'Dea Temple of Music. Slogan, "A Voice from the Silk City." Daily ex Sun, 12-1 pm; 5-7, 8:30-11. Eastern.

WOI, Ames, Iowa. 270 meters. 750 watts. Iowa State College. Announcer, H. B. Deal. Daily ex Sun, 9:30 am, weather reports; 12:30 pm, chimes, market, weather, educational talks; 9:30, weather. Central.

WOK, Homewood, Ill. 217.3m-1380kc. 5,000 watts. Neutrowound Radio Mfg. Co. Announcer, George W. Allen. Daily ex Sun, Mon, 5-7 pm; 10-1:30, Sun, 1-2 pm, 6-1. Central.

WOKO, New York, N. Y. 232.4m-1290kc. 50 watts. The Dyckman Radio Shop. Announcer, Oscar H. Sherrane. Mon, Thurs, Sat, 8-12 pm. Eastern.

WOO, Philadelphia, Pa. 508.2m-590kc. 500 watts. John Wanamaker; Announcer, Jos. N. Nassau. Daily ex Sun, 11 am, organ recital; 11:55, time; 12-1 pm, concert; 4:30, weather; 4:45, organ recital; 7:30, police reports; 9:55, time; 10:02, weather. Mon, Wed, Fri, 7:30-11 pm, music, concert. Sun, 2:30 pm, Sunday school; 6, organ recital; alternate am and pm services, 9:15, alternate Sundays. Eastern.

WOOD, Grand Rapids, Mich. 241.8m-1240kc. 1,000 watts. Hotel Rowe. Announcer, Maurice Wetzel. Slogan, "The Furniture Capital of America." Daily ex Sun, Wed, Sat, 8-9 pm. Wed, Sat, 8-10 pm. Eastern.

WOQ, Kansas City, Mo. 277.6m-1080kc. 1,000 watts. Unity School of Christianity. Tues, 8-9 pm. Thurs, 7-7:45 pm, 7:45-9, Sat, 8-9 pm, 10-11 pm. Sun, 11 am, 7-9:15 pm. Central.

WOR, Newark, N. J. 405.2m-740kc. 500 watts. L. Bamberger & Co. Announcer, J. M. Barnett. Daily ex Sun, 6:45, 2:30-4 pm. Mon, Wed, Sat, 6:15-12 midnight. Tues, Thurs, Fri, 6:15-7:30 pm. Eastern.

WORD, Batavia, Ill. 275.1m-1090kc. 5,000 watts. Peoples Pulpit association. Announcer, B. M. Rice. Slogan, "Watchtower Station WORD." Tues, Wed, Fri, 7-8 pm; 9-10, 11-12. Thurs, 8-10 pm. Sat, 7-8 pm, 9-10. Sun, 2:30-4 pm, 7-8, 9-10:30. Central.

WOS, Jefferson City, Mo. 440.9m-680kc. 500 watts. Missouri State Marketing Bureau. Slogan, "Watch Our State." Daily ex Sun, first 15 min. of every hour from 9 am-2 pm, markets; 7, N. Y. stock and bond markets. Daily ex Sat, Sun, 5 pm, markets. Mon, Wed, Fri, 8-10 pm, concert. Sun, 9:30-10:30 am, services; 5 pm, vesper; 7:30-9, church service. Central.

WOWL, New Orleans, La. 270.1m-1110kc. 10 watts. Owl Battery company.

WOWO, Fort Wayne, Ind. 227m-1320kc. 500 watts. Main Auto Supply Co.

WPAK, Fargo, N. D. 275.1m-1090kc. 100 watts. N. D. Agricultural College. Announcer, Gordon Laing. Mon, Wed, Fri, 7:30 pm. Central.

WPCC, Chicago, Ill. 258.5m-1160kc. 500 watts. North Shore Congregational church. Announcer, Rev. J. C. O'Hair. Wed, 7-8 pm. Fri, 7:30-9 pm. Sun, 11-12:30 pm; 3:30-5, 8, service. Central.

WPG, Atlantic City, N. J. 299.8m-1000kc. 500 watts. Municipality of Atlantic City. Slogan, "World's Playgrounds." Mon, Tues, Fri, 7 pm. Tues, Thurs, Fri, Sat, 9 pm; 10, classics. Mon, 8 pm, Thurs, 11 pm. Sat, 6:30 pm, concert; 10, Sun, 3:15 pm, organ; 4:15, service; 10, service. Eastern.

WPRC, Harrisburg, Pa. 215.7m-1390kc. 100 watts. Wilson Printing & Radio Co.

WPSC, State College, Pa. 260.7m-1150kc. 500 watts. Pa. State College. Slogan: "The Voice of the Nittany Lion."

WQAA, Parksburg, Pa. 220.4m-1360kc. 500 watts. Horace A. Beale, Jr. Temporarily discontinued.

WQAC, Amarillo, Tex. 234.2m-1280kc. 100 watts. Gish Radio Service. Daily ex Sun, 10 am, 12 n, 7 pm. Sun, 11 am. Central.

WQAE, Springfield, Vt. 245.8m-1220kc. 50 watts. Moore Radio News Station. Announcer, Ernest S. Newell. Slogan, "The Pioneer Broadcasting Station of Vermont." Sat, 11-1 am. Sun, 10:30 am, church service; 7 pm, service. Eastern.

WQAM, Miami, Fla. 263m-1140kc. 100 watts. Electrical Equip. Co. Announcer, Frederick W. Mizer. Slogan, "The Most Southern Radiocasting Station in U. S." Daily ex Sun, 6-6:30 pm; 8:15-9:30; 10:30-12:30 Sun, 7:30-9 pm. Eastern.

WQAN, Scranton, Pa. 249.9m-1200kc. 100 watts. Scranton Times. Announcer, T. V. Nealon. Slogan, "The Voice of the Anthracite." Daily ex Sun, 12:30-1 pm, 4:30-5, news, reports, sports, music. Tues, Fri, 8 pm, entertainment. Sat, 10-12 midnight, dance music. Eastern.

WQAO, New York, N. Y. 361.2m-830kc. 500 watts. Calvary Baptist Church. Slogan: "The First Church Owned and Operated Broadcasting Station in the World." Wed, 8 pm, church service. Sun, 11:30 am, 7:30 pm, church services. Eastern.

WQJ, Chicago, Ill. 447.5m-670kc. 500 watts. Calumet Baking Powder company-Rainbo Gardens. Announcer, Jerry Sullivan. Daily ex Sun, 11-12 m., women's hour. Daily ex Sun, 3-4 pm Daily ex Sun, Mon, 7-8 pm, 10-2 am. Sat, 11-12 m. 3-4 pm, 7-8, 10-3. Mon, 11-12 m, 3-4. Sun, 9:30 am, service. 3-4 pm, 8-10. Central.

WRAF, La Porte, Ind. 223.7m-1340kc. 100 watts. Radio Club, Inc. Announcer, Charles Middleton. Slogan, "The Voice of the Maple City." Mon, Thurs, Sun, 8:30 pm. Central.

WRAK, Escanaba, Mich. 256.3m-1170kc. 100 watts. Economy Light Company. Announcer, H. E. Flath. Slogan, "The Gateway to Cloverland." Mon, Fri, 8:30 pm. Eastern.

WRAM, Galesburg, Ill. 243.8m-1230kc. 100 watts. Lombard College. Mon, 7-11 pm. Central.

WRAV, Yellow Springs, Ohio. 263m-1140kc. 100 watts. Antioch College. Announcer, Charles Hoffman. Wed, 8 pm, music; 9, educational. Sun, 7 pm. Central.

WRAW, Reading, Pa. 238m-1260kc. 10 watts. Avenue Radio & Elec. Shop. Slogan, "The Schuylkill Valley Echo." Announcer, C. M. Chafey. Thurs, 10-11:30 pm. Eastern.

WRAX, Gloucester City, N. J. 267.7m-1120kc. 500 watts. Flexon's Garage. Announcer, A. D. Flexon.

WRBC, Valparaiso, Ind. 277.6m-1080kc. 500 watts. Immanuel Lutheran church. Announcer, Forrest Jones. Slogan, "World Redeemed by Christ." Mon, 7:30 pm. Sun, 7:30 pm, church service. Central.

WRC, Washington, D. C. 468.5m-640kc. 1000 watts. Radio Corp'n of America. Announcer, Norman Brokenshire. Slogan, "The Voice of the Capitol." Mon, Wed, Fri, 10 am-6:30 pm. Tues, Thurs, Sat, 10 am-12; midnight. Eastern.

WRCO, Raleigh, N. C. 252m-1190kc. 100 watts. Wynne Radio Co. Mon, Fri, 7-8 pm. Wed, 9-10 pm. Sun, 11 am, church. Eastern.

WREC, Coldwater, Miss. 254.1m-1180kc. 10 watts. Wooten's Radio & Elec. Co. Announcer, S. D. Wooten. Slogan, "The Most Powerful 10-Watt Station in the World." Sat, 9:30-10:30 pm; Sun, 4-5 pm. Central.

WREO, Lansing, Mich. 285.5m-1050kc. 500 watts. Reo Motor Car Co. Announcer, Roy E. Davis. Slogan, "Watch Reo." Daily ex Sun, 6-7 pm, dinner concert. Tues, Thurs, 8:15-10 pm. Sat, 10-12 midnight. Sun, 10 am, chimes; 10:30 am, 7:30 pm, church. Eastern.

WRHM, Minneapolis, Minn. [illegible]2m-1190kc. 50 watts. Rosedale Hospital, Inc. Announcer, Troy S. Miller. Thurs, 9-11 pm, music. Sun, 1:30-2:30 pm, children's hour; 2:30-4:30, music, lectures. 9:15-10:30 pm. Central.

WRK, Hamilton, Ohio. 270.1m-1110kc. 200 watts. Doron Bros. Elec. Co. Slogan, "The Oldest Station in Existence." Sun, 10:15 am, church services. Central.

WRM, Urbana, Ill. 272.6m-1100kc. 500 watts. Univ. of Ill. Tues, 7-8 pm, musical. Sun, 4 pm, organ. Central.

WRMU, New York, N. Y. 236 meters. 100 watts. A. H. Grebe & Co., Inc. Motor Yacht "MU-1."

WRNY, New York, N. Y. 258.5m-1050kc. 500 watts. Experimenter Pub. Co. Daily ex Sat, Sun, 9:44 am, 12:29 pm, 4:14, 6:59. Sat, 9:44 am, 2:29 pm, 6:59, 12-1. Sun, 3-5 pm. Eastern.

WRR, Dallas, Texas. 245.8m-1220kc. 500 watts. City of Dallas. Announcer, John Thorwald. Slogan, "City of Achievements." Daily ex Sun, Wed, 12-1 pm; 5-5:30, 6-7, Mon, 11-12 midnight. Wed, 5-5:30 pm. Sat, 12-1 am. Central.

WRST, Bay Shore, N. Y. 215.7m-1390kc. 250 watts. Radiotel Mfg. Co., Inc. Announcer Louis A. Wittenberg. Slogan, "Radiotel on the Sunrise Trail." Daily ex Sun, 12-1 pm; 8-10:30. Sun, 10-12 m, 4-6. Eastern.

WRVA, Richmond, Va. 256.3m-1170kc. 1,000 watts. Larus & Bro. Co., Inc. Announcer, Elmer G. Hoelzle. Slogan, "Carry Me Back to Ole Virginny." Mon, Thurs, 9-12 midnight. Eastern.

WRW, Tarrytown, N. Y. 272.6m-1100kc. 500 watts. Tarrytown Radio Research Laboratory. Announcer, Frederick Koenig. Slogan, "Everything in Radio." Daily ex Sun, Wed, 9-11:30 pm. Mon, 7-8 pm. Wed, 10-11:30 pm. Sun, 8-9 pm, 10:30-11:30. Eastern.

WSAI, Cincinnati, Ohio. 325.9m-920kc. 5,000 watts. United States Playing Card Co. Announcer, P. A. Greene. Mon, 10-12 m. Tues, 5:30-10; 12-1. Wed, 7:30-12 midnight. Thurs, 6:30-10 pm. Sat, 7-10 pm; 12-1:30. Sun, 3-4 pm; 7:45-10:15, 8-10 pm. Central.

WSAJ, Grove City, Pa. 228.9m-1310kc. 250 watts. Grove City College. Horace Montgomery, activities. Wed, 7:30-9 pm, music, irregular programs. Eastern.

WSAN, Allentown, Pa. 228.9m-1310kc. 100 watts. Allentown Call Pub. Co. Announcer, C. Fred Ritter. Tues, Thurs, 8:15 pm. Sat, 8:15 pm, 11:30. Eastern.

WSAR, Fall River, Mass. 254.1m-1180kc. 100 watts. Doughty & Welch Elec. Co., Inc. Announcer, Wm. A. McGrath. Daily ex Sun, 12-1 pm. Mon, Wed, Fri, 5-6 pm. Sun, 10:30-12 m. Eastern.

WSAX, Chicago, Ill. 267.7m-1120kc. 100 watts. Zenith Radio Corp. (Portable).

WSAZ, Pomeroy, Ohio. 243.8m-1230kc. 50 watts. Chase Elec. Shop. Announcer, Glenn E. Chase. Sat, 2 pm. Sun, 10:30 am, 2:30 pm. Eastern.

WSB, Atlanta, Ga. 428.3m-700kc. 1,000 watts. Atlanta Journal. Announcer, Lambdin Kay. Slogan, "The Voice of the South." Daily ex Sun, 12-1 pm, music, weather; 2:30, reports; 5, orchestra, time story; 8-9, concert (ex Wed) 10:45-12, concert. Sun, 5-6, 7:30-9:15, church services. Central.

WSBC, Chicago, Ill. 209.7m-1430kc. 1000 watts. World Battery Co.

WSBF, St. Louis, Mo. 272.6m-1100kc. 250 watts. Stix Baer & Fuller Dry Goods Co. Announcer, Helen G. Hatfield. Daily, 12-12:30 pm, 3-3:30. Mon, Wed, Fri, 7:30-9 pm. Wed, 11-1 am. Thurs, 10-12 midnight. Sun, 9-10 pm; 11-1 am. Central.

WSBT, South Bend, Ind. 275.1m-1090kc. 250 watts. South Bend Tribune. Announcer, C. G. Livengood. Mon, Wed, Fri, 7:15-9:30 pm, concert. Central.

WSDA, New York, N. Y. 263m-1140kc. 250 watts. City Temple. Thurs, 7:45-9:30 pm. Sat, 10:45-1 pm. Sun, 7:30-9:30 pm. Eastern.

WSKC, Bay City, Mich. 260.7m-1150kc. 100 watts. World's Star Knitting Co. Announcer, L. M. Nims. Slogan, "Where the Summer Trails Begin." Mon, Wed, 9-11 pm. Sat, 11-2 am. Eastern.

WSM, Nashville, Tenn. 282.8m-1060kc. 1,000 watts. National Life and Accident Insurance Company. Announcer, George Hay, Theaters, Inc. Mon, Wed, Fri, 6:30-9 pm; 10-11. Tues, 10-12 mid. Sat, 6:30-12 mid. Sun, 10:30-12 noon; 7:30-9 pm. Central.

WSMB, New Orleans, La. 319m-940kc. 500 watts. Saenger Theaters, Inc., and The Maison Blanche Co., Daily ex Sun, 12:30-1:30 pm, 6:30-7:30. Mon, Wed, Thurs, Sat, 8:30-10:30 pm. Central.

WSMH, Owosso, Mich. 239.9m-1250kc. 20 watts. Shattuck Music House. Announcer, Don Shattuck. Wed, 8 pm. Sat, 10 pm. Sun, 10 am. Eastern.

WSMK, Dayton, Ohio. 275.1m-1090kc. 500 watts. S. M. Krohn, Jr. Slogan, "The Home of Aviation." Daily ex Sun, 12-1 pm; 4-4:30. Daily ex Sun, Tues, 6-7 pm. Sun, 8-12 mid. Central.

WSOE, Milwaukee, Wis. 245.8m-1220kc. 500 watts. School of Engineering of Milwaukee. Announcer, O. W. Meissner. Slogan, "In the Land of the Sky-blue Waters." Daily ex Sat, Sun, 5:25 pm, 5:30, 5:45, 6:05. Daily ex Sun, 9-10 pm. Tues, 7:30 pm; 8:45, Wed, 8:30 pm. Thurs, 8:30 pm; 8:45. Fri, 8:45 pm. Sat, 2 pm, reports; 2:05, 8:30, 9. Mon, 2 pm, cooking chat. Sun, 9:30 am; 11. Central.

WSSH, Boston, Mass. 260.7m-1150kc. 100 watts. Tremont Temple Baptist church. Announcer, Raymond B. Meader. Fri, 7:30-8:30 pm. Sun, 10:30 am; 6:30 pm, church service. Eastern.

WSRO, Hamilton, Ohio. 252m-1190kc. 100 watts. Radio Co. Announcer, Harry W. Fahrlander. Slogan, "We Sell Radio Only." Tues, Fri, 8-10 pm. Sun, 2-4 pm. Central.

WSUI, Iowa City, Iowa. 483.6m-620kc. 500 watts. Univ. of Iowa. Announcer, Carl Menzer. Mon, Tues, Wed, Thurs, Fri, 12:30-1 pm. Mon, 7:30 pm. Wed, 9-9:30 am; 7:30 pm. Alternate Mon, 4 pm. Sun, 9:15-9:45 pm. Central.

WSWS, Chicago, Ill. 275.1m-1090kc. 1,000 watts. S. W. Straus & Co. Announcer, George Junkin. Mon, 6-7 pm. Tues, Wed, Fri, 6-7 pm, 8-9, 10-11, 12-1. Thurs, Sat, 6-8 pm, 10-1 am. Central.

WTAB, Fall River, Mass. 265.3m-1130kc. 100 watts. Fall River Daily Herald. Daily, 6 pm, organ. Tues, Thurs, 7:30 pm. Mon, Thurs, 10:45 am. Eastern.

WTAD, Carthage, Ill. 236.1m-1270kc. 50 watts. Robert E. Compton.

WTAG, Worcester, Mass. 267.7m-1120kc. 500 watts. Worcester Telegram. Announcer, Chester Gaylor. Slogan, "The Voice from the Heart of the Commonwealth." Daily ex Sun, 10:30-2 pm, music, reports; 4-5, music, stocks. Mon, Wed, Fri, 7:15 pm. Tues, Thurs, Sat, 5:15 pm, "The Twinkle-Twinkle Story Teller." Daily ex Sat, 8 pm. Eastern.

WTAL, Toledo, Ohio. 252m-1190kc. 10 watts. Toledo Radio & Elec. Co. Announcer, Reginald Baxter. Slogan, "The Gateway to the Sea." Daily ex Sun, 7:30 pm. Eastern.

WTAM, Cleveland, Ohio. 389.4m-770kc. 3,500 watts. Willard Storage Battery Co. Announcer, A. R. Herske. Slogan: The Voice from the Storage Battery." Daily ex Sun, 12:15-1:30 pm, 6-7 pm, dinner program. Mon, 8-12 pm, concert. Wed, 8-1 am. Sat, 8-12 midnight, dance. Eastern.

WTAP, Cambridge, Ill. 241.8m-1240kc. 100 watts. Cambridge Radio & Elec. Co. Announcer, B. Talbot.

WTAQ, Osseo, Wis. 254.1m-1180kc. 100 watts. S. H. Van Gorden & Son. Announcer, Mrs. C. S. Van Gorden. Slogan: "The Voice of the Wilderness." Daily ex Sun, 10:30 am, 12:15 pm, 6:15, weather, markets; 6:30, code. Tues, 8 pm. Fri, Sun, 7:30 pm. Central.

WTAR, Norfolk, Va. 260.7m-1150kc. 100 watts. Reliance Electric Co. Announcer, J. K. Bohannon. Slogan, "Down in Old Virginia." Daily ex Sun, 6:15 pm, weather, markets, news. Fri, 8-9 pm, music. Eastern.

WTAW, College Station, Tex. 270.1m-1110kc. 500 watts. Agricultural and Mechanical College of Texas. Wed, Fri, 8 pm. Sun, 11 am. Central.

WTAX, Streator, Ill. 230.6m-1300kc. 50 watts. Williams Hardware Co., Radio Division. Announcer, N. B. Wi[illegible] "[illegible] Kegga Nails." Tues, 7-8 [illegible] Sat, 8:30-10 pm. Central.

WTAZ, Lambertville, N. J. 260.7m-1150kc. 15 watts. Thomas J. McGuire. Mon, 8-10 pm, music. Eastern.

WTIC, Hartford, Conn. 475.9m-630kc. 500 watts. The Travelers Insurance Company. Slogan, "The Insurance City." Mon, Fri, 11 am, 11:30, 12:05 pm, music. Mon, 11:15 am, travel talk. Mon, 11 am, 1 pm, 6:30-12. Wed, 6:30-10 pm. Thurs, 6:30-7:30 pm. Sat, 6:30-11:30 pm. Sun, 9-10:15 pm. Eastern.

WWAD, Philadelphia, Pa. 249.9m-1200kc. 250 watts. Wright & Wright, Inc. Announcer, H. W. Feyhl. Slogan, "Penn City Station." Mon, 7:45 pm. Thurs, 7 pm. Every other Sun, 9:30 pm. Eastern.

WWAE, Plainfield, Ill. 241.8m-1240kc. 5,000 watts. Electric Park. Announcer, Harry B. Ohlhaver. Daily ex Sun, 12:30-1:30 pm; 9-12, midnight, orchestra. Sun, 10:50-12:15 pm, Methodist church; 3:30-4:30, popular program. Central.

WWAO, Houghton, Mich. 263m-1140kc. 250 watts. Michigan College of Mines.

WWGL, Richmond Hill, N. Y. 212.6m-1410kc. 500 watts. Radio Engineering Corp.

WWI, Dearborn, Mich. 265.3m-1130kc. 500 watts. Ford Motor Co. Wed, 8-10 pm, music, lectures. Eastern.

WWJ, Detroit, Mich. 352.7m-850kc. 1,000 watts. The Detroit News. Announcer, E. L. Tyson. Mon, Wed, Fri, 7:30-8 am, 8-8:30 am, setting-up exercises; 9:30-9:45, household hints; 10:25-10:30, weather; 11:55-12, time; 12:05-12:45 pm, music; 3-3:55, music; 3:55, markets. Daily ex Sat, Sun, 6-7, dinner concert; 8, music. Mon, Wed, Fri, 9 pm, orchestra. Wed, 10 pm, orchestra. Sun, 11 am, church service; 2-3 pm, concert; 7:20, Capitol theater; 9:15, operatic stars. Eastern.

WWL, New Orleans, La. 275.1m-1090kc. 100 watts. Loyola Univ. Announcer, O. L. Abell. Sat, 7:30-8:30 pm. Central.

Canada

CFAC, Calgary, Alta. Can. 434.5m-690kc. 500 watts. Calgary Herald. Announcer, Fred Carleton. Daily ex Sun, 1 pm, news, markets, music. Mon, Tues, Wed, 8-9 pm. Thurs, 9-11 pm (CNRC). Fri, 7-8 pm. Mountain.

CFCA, Toronto, Ont., Can. 356.9m-840kc. 500 watts. Toronto Star. Announcer, E. J. Bowers. Daily ex Sun, 12 m, weather, news, stocks; 5:30-6 pm, news, stocks, weather, bedtime story. Wed, 8-10 pm, music, 11, dance. Thurs, 8-11 pm, concert. Fri, 6:30-12 mid, CNRT. Sun, 11 am, 7 pm, church services. Eastern.

CFCF, Montreal, P. Q., Can. 410.7m-730kc. 1,650 watts. Canadian Marconi Co. Announcer, C. Walter Darling. Daily ex Sun, 12:45-1:40 pm, stocks, music, Mon, Fri, 7-7:30 pm, bedtime stories; 7:30-8:30, music; 9-10, 10:30-11:30, orchestra. Wed, 7-8 pm, orchestra. Eastern.

CFCH, Iroquois Falls, Ont., Can. 499.7m-600kc. 250 watts. Abitibi Power & Paper Co., Ltd. Slogan, "The Call of the North." Experimental station for forest protection.

CFCK, Edmonton, Alta., Can. 516.9m-580kc. 100 watts. Radio Supply Co., Ltd. Daily ex Sun, 4-5 pm. Wed, 9-10:30 pm. Sun, 4-5:30 pm. Mountain.

CFCN, Calgary, Alta., Can. 434.5m-690kc. 1,800 watts. W. W. Grant, Ltd. Slogan, "Voice of the Prairies." Tues, 11:30 pm, Bronco Busters; Wed, 9 pm, Fri, Sat, 10 pm, Sun, (alternate) 11 am, 7:30 pm, service. Mountain.

CFCQ, Vancouver, B. C. 410.7m-730kc. 5 watts. Sprott-Shaw Radio Co.

CFCT, Victoria, B. C., Can. 329.5m-910kc. 500 watts. The Deaville Station. Slogan, "The Mecca of Tourists." Wed, Fri, 8-9:30 pm. Every second Thurs, 10:30 pm, 12 mid. Night Birds, Sat, 10-11 pm. Sun, 11 am, 7:30 pm. 9:30, organ. Pacific.

CFCU, Hamilton, Ont., Can. 340.7m-880kc. 500 watts. Jack V. Elliot, Ltd.

CFCY, Charlottetown, P. E. I. 312.3m-960kc. 50 watts. Island Radio Co.

CFDC, Vancouver, B. C., Can. 410.7m-730kc. 10 watts. Western Auto Elec. Co.

CFKC, Thorold, Ont., Can. 247.8m-1210kc. 75 watts. D. J. Fendell. Daily ex Sun, 12-12:30 pm; 5-6. Tues, Thurs, Sat. 8:30-10:30 pm. Sun, 11 am, church service; 2-4 pm, 8 pm, sacred concert, music.

CFMC, Kingston, Ont., Can. 267.7m-1120kc. 20 watts. Monarch Battery Co.

CFQC, Saskatoon, Sask., Can. 329.5m-910kc. 500 watts. The Electric Shop, Ltd. Announcer, Grant Stevenson. Slogan, "The Hub City of the West Where No. 1 Northern Hard Wheat Grows." Daily ex Sun, 9-10 am; 1:15-2 pm, markets, reports, music. Wed, 8-10 pm. Fri, 9-11:30 pm, dance program. Sun, 11 am, 7 pm, church service. Mountain.

CFRC, Kingston, Ont., Can. 267.7m-1120kc. 500 watts. Queen's University. Discontinued temporarily.

CFXC, New Westminster, B. C. 291.1m-1030kc. 50 watts. Westminster Trust Co. and Hume & Rumble, Ltd. Announcer, C. P. Rumble. Slogan, "Voice of the Fraser River." Mon, Wed, Sat, 7:30-8:30 pm. Pacific.

CFCY, Barnaby, B. C. 410.7m-730kc. 500 watts. Commercial Radio Ltd. Slogan, "Canada's Flourishing Young City."

CHCS, Hamilton, Ont., Can. 340.7m-880kc. 10 watts. Hamilton Spectator. Announcer, H. Earnshaw. Daily ex Sun, 6:45 pm, news, markets, baseball. Sat, 10-12 midnight, dance. Sun, 11 am, 7 pm. Eastern.

CHIC, Toronto, Can. 356.9m-840kc. 500 watts. Northern Electric Company, Ltd. Announcer, R. W. Lowman. Mon, 8-10 pm. Sat, 8 pm. Eastern.

CHNC, Toronto, Can. 356.9m-840kc. 500 watts. Toronto Radio Research society.

CHSC, Unity, Sask., Can. 356.9m-840kc. 250 watts. Horace N. Stovin.

CHUC, Saskatoon, Sask., Can. 329.5m-910kc. 50 watts. International Bible Students' association. Announcer, E. G. Esson. Tues, Thurs, 8-9:30 pm. Sun, 1-2 pm; 7:30-9:30.

CHXC, Ottawa, Ont., Can. 434.5m-690kc. 250 watts. J. R. Booth, Jr. Fri, 8:30-1 am.

CHYC, Montreal, Que., Can. 410.7m-730kc. 850 watts. Northern Elec. Co., Ltd. Announcer, N. S. Richards. Wed, 7-8 pm, 8:30. Sun, 11 am, 7 pm. CNRM programs occasionally. Eastern.

CJBC, Toronto, Can. 356.9m-840kc. Jarvis St. Baptist Church.

CJCA, Edmonton, Alta., Can. 516.9m-580kc. 500 watts. Edmonton Journal, Ltd. Announcer, R. A. Rice. Slogan: "The Sunniest Spot in Sunny Alberta." Daily ex Sun, 1 pm, news, markets. Mon, Tues, Fri, Sat, 7:30-8 pm. Mon, 8:30-10 pm. Wed, 9-11 pm, club, Doo Dads; 11-12. Thurs, 8-8:15 pm, news. Fri, 8:30-10:30 pm, CNRE. Sat, 10-12 mid. Mountain.

CJCD, Toronto, Ont., Can. 356.9m-580kc. 50 watts. The T. Eaton Co., Ltd.

CJGC, London, Ont., Can. 329.5m-910kc. 500 watts. London Free Press. Daily ex Sun, 1-2 pm, news, stocks, music. Tues, Wed, Thurs, Fri, 7-9 pm. Fri, 11-12 midnight. Sun, 11 am, 7 pm, church services. Eastern.

CJKC, Burnaby, B. C., Can. 410.7m-730kc 500 watts. Pyramid Temple society.

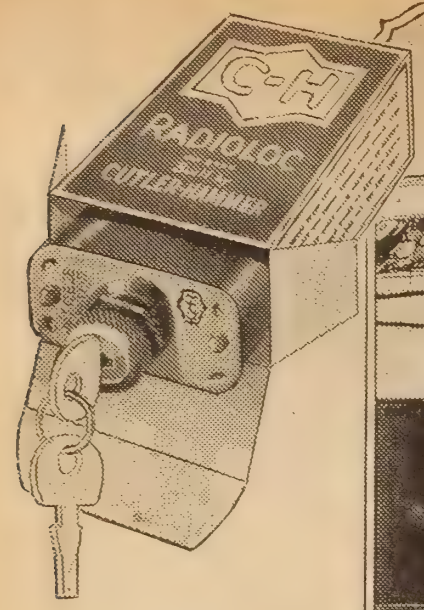
CJSC, Toronto, Can. 356.9m-840kc. 500 watts. The Evening Telegram.

CJWC, Saskatoon, Sask., Can. 329.5m-910kc. 250 watts. Wheaton Elec. Co. Slogan, "The Voice of Saskatoon." Daily ex Sun, 12-1 pm, 6-7:30. Mon, 8-10 pm. Mountain.

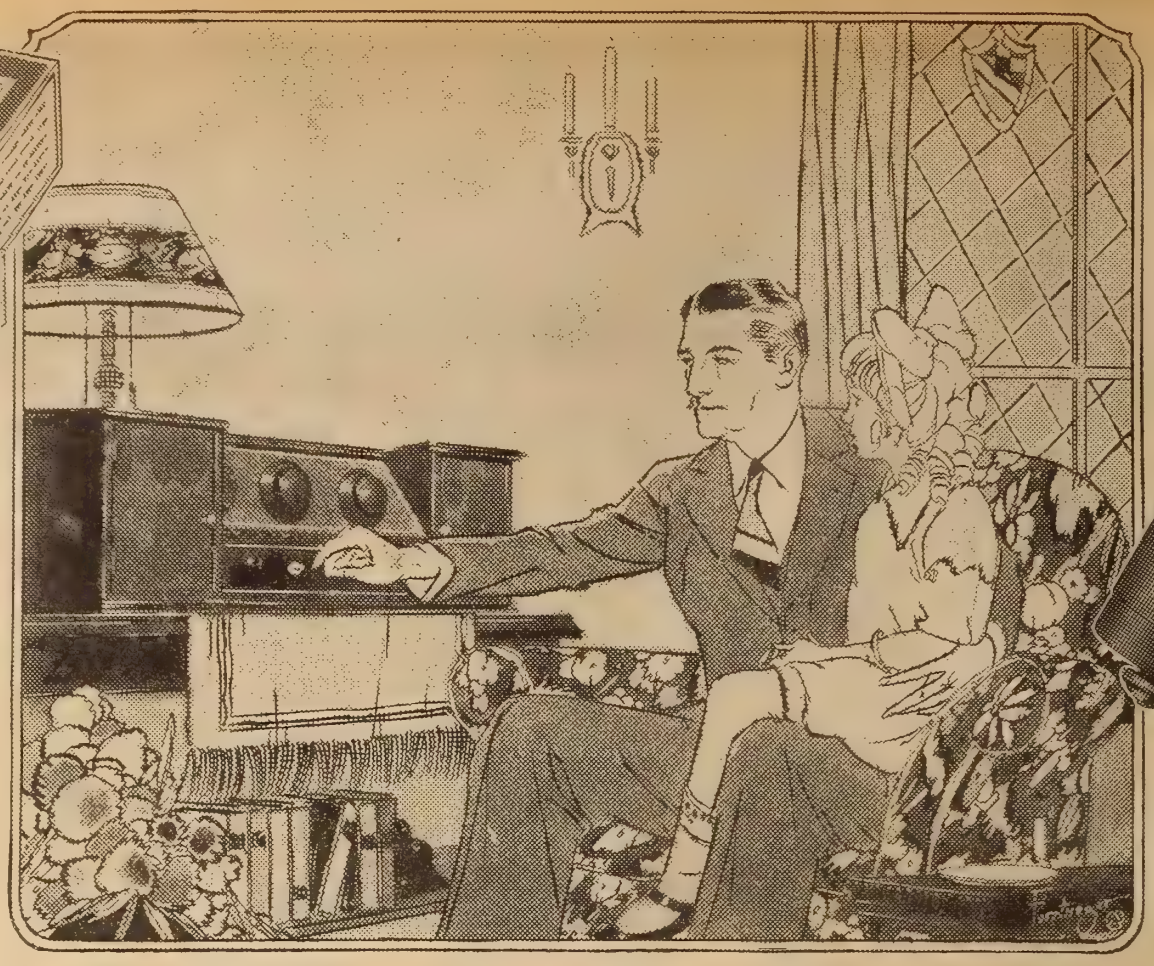
CJYC, Toronto, Can. 291.1m-1030kc. 500 watts. De Forest Radio Corp., Ltd.

CKAC, Montreal, Que., Can. 410.7m-730kc. 1,200 watts. La Presse. Announcer, Jacques Cartier. Mon, Wed, Fri, Mon. 1:45 pm, orchestra. Daily ex Sat, 4 pm, weather, markets, stocks, reports. Tues, Thurs, Sat, 7 pm, safety talks; 7:30, concert; 8:30 pm, studio concert; 10:30, dance. Sun, 2:45 pm. CNRM programs 3 first Thursdays of each month. Eastern.

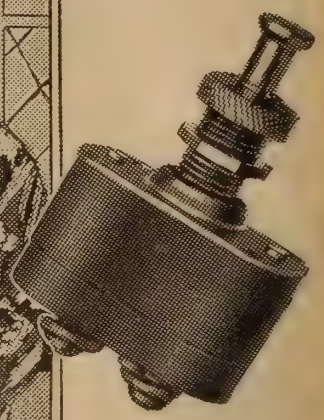
(The above listings complete the stations in the United States and part of the foreign broadcasters. Part V consists of a complete location index of stations and the remainder of the foreign list. This appears next week.)



C-H Radioloc
The radio switch that locks with a key. Protects tubes and batteries against children and meddling adults. One hole mounting—quiet operation. Dustproof case. Two keys with every switch.



C-H Heavy Duty Radio Switch
More than a million in use. Preferred by both home set-builders and manufacturers. Many have imitated the knob, but no one can duplicate the patented "floating contactor" construction — the secret of its long life.



Thus More Than a Million Concerts Start Every Night

THE first panel mounting switch built exclusively for radio service? It carried the Cutler-Hammer trade mark.

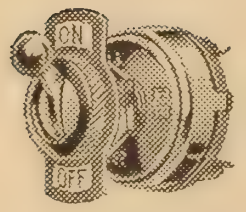
The first radio switch that locked with a key to protect tubes and batteries from meddling fingers? It was designed by C-H engineers.

The first handy toggle type radio switch? Yes—it, too, was built by Cutler-Hammer.

Little wonder that they are found in more than a million sets today. For they were designed to render the trouble-proof service for which they are now famous and their patented mechanism cannot be duplicated. Because they sell in such tremendous quantities their cost of production is remarkably low.

That explains why most radio fans build them into their sets, and why you find them on so many manufactured sets today.

Your new set will, most likely, have a C-H Switch, whether it is the product of your own hands or a huge factory.



C-H Radio Toggle Switch
The very popular toggle switch idea applied for the first time to radio. Beautiful appearance. "On" or "off" with a flip of the finger. Neatly etched plate to indicate position. Requires very little space back of panel. Contacts are broad and self cleaning. Quiet operation. One hole mounting. Nickel finish.

A list of some of the prominent radio manufacturers using C-H Radio Switches

Acme Apparatus Co.
American Bosch Magneto Co.
Argus Radio Corporation
Astral Radio Corporation
Chas. A. Branston Co.
Chelsea Radio Co.
Dayton Fan and Motor Co.
Freed-Eisemann Radio Corp.
Gilfillan Bros., Inc.
Howard Radio Co.
Malone-Lemmon Laboratories
Wm. J. Murdock
Robbins Radio Co.
Silver-Marshall Co.
R. E. Thompson Co., Inc.
Victoreen Radio Co.
Workrite Mfg. Co.

THE CUTLER-HAMMER MFG. CO.
Member Radio Section, Associated Manufacturers of Electrical Supplies
1207 St. Paul Avenue
MILWAUKEE, WISCONSIN

CUTLER-HAMMER

— Radio Parts for Performance —

MAR 11 '26
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Second Installment of SOS Mystery

Radio Digest

EVERY WEEK — Illustrated PROGRAMS — TEN CENTS

Vol. XVI No. 9 Copyright 1926 Radio Digest Publis' Title Reg. U. S. Pat. Off. & Canada MARCH 6, 1926

PWX, Havana, Lends Exotic Charm; "Hill Billies" Capture WRC; Women's Programs; Serial Story of "A Step On the Stairs," Now on the Air; How to Make Penetrola

I WON'T BLOOP CLUB IS AIDING RECEPTION

FANS ENTHUSIASTIC OVER EFFORT TO CLEAR AIR

Campaign Surpasses Most Extravagant Dreams of Originators as Pledge Cards Pour In

Besides the banding together of the Radio listeners in for the purpose of gaining united cooperation in the elimination of preventable interference, the I Won't Bloop club has become a veritable correspondence school. That the pledges given as applications for membership in the club were made in all sincerity is plainly evidenced by the thousands of fans who have written to the Radio Digest for solutions of their individual problems. The steady stream of signed pledge cards that is flowing into the offices of the Radio Digest would indicate that the movement will cover a greater field than the originators even dreamed. At the present time, cooperation of individuals, Radio clubs, broadcasting stations and newspapers has resulted in the most widespread movement for the betterment of Radio reception in the history of Radio.

What Pledge Means

Organizations that have received chapters in the I Won't Bloop club are sending in long lists of listeners who have pledged to operate their sets so as to reduce radiation or blooping, to equip their sets with anti-blooping devices in cases where it will benefit reception and reduce interference, and lastly, if other methods fail, to renew them with sets designed to limit howling and squealing. The immediate response given the organization clearly demonstrates the listeners realize that if each fan operates his receiver with consideration for his neighbor, one of the biggest problems of reception will be solved.

Innocent of Damage

That very little preventable interference is caused by malice is the belief of the Radio Digest. We have been vindicated in our assertion that the majority of bloopers are innocent of the damage they are causing and ignorant of what precautions should be taken to prevent it. The response to our theory that education in receiver operation will reduce the nuisance has been gratifying. Hundreds of inquiries into individual problems and thousands of letters of commendation on the series of articles on the elimination of blooping and man-made static have been received.

We feel certain that the members of the I Won't Bloop club will in the future operate their sets properly, and in doing so not only help Radio reception in their own neighborhoods, but will also manipulate their sets with greater efficiency and satisfaction by increasing their range and entertainment. The Radio Digest believes that if every listener signed and followed the pledge of the I Won't Bloop club, more would be done for Radio reception than could ever be accomplished through legislation.

Are you willing to do your part in the campaign to clear the ether? If you have not already filled out a pledge card of the organization, do so today. Read the series of blooping articles and follow the suggestions. If you have problems that have not been covered in the series to date, present them to some authority who may be able to solve your difficulties with simple explanations or adjustments.

Enlist Your Neighbor

Enlist your neighbor. Ask him to cooperate with you. Then work together. The signing of a pledge card eliminates a potential blooper. Certificates of membership have been printed and are ready for distribution.

BEAUTY ON COVER IS 1926 WAMPAS MAID

MISS JOYCE COMPTON is the fluffy-haired maiden who peeps forth so shyly from the Radio Digest cover this week. Yes, of course, she is from Hollywood, California. More than that, she is one of the 1926 models of the annual Wampas beauties recently selected by the Western Association of Motion Picture Advertisers for Fame. Miss Compton may be seen on almost any screen almost any day in any city in the United States but you will be most likely to hear her voice over the Los Angeles Express Radio station, KNX. Wampas programs are presented there every Tuesday between the hours 10 and 11 p. m., Pacific time.

PLEDGE CARD

Radio Digest PROGRAMS **Illustrated**

Reg. U. S. Pat. Off. & Dom. of Canada

I WON'T BLOOP CLUB

I pledge myself to operate my Radio set to reduce radiation or blooping. If I am unable to make my present set operate properly, I further pledge myself to replace it with a receiver that will create less interference.

Make of my set:

Number of tubes is:

Signature .....

Address .....

City and State.....

I am cooperating in this campaign with Station.....

Upon mailing this pledge to Radio Digest, "I Won't Bloop Club" membership card suitable for wallet or framing will be issued.

Wills-Lenglen Tennis Match Broadcast Through WNAC

BOSTON.—The ability of the Radio to give the big news first was truly demonstrated recently when Station WNAC, the Shepard Stores, here, gave to New England the results of the finals in the international tennis match between Helen Wills of America and Suzanne Lenglen of France which was held at Cannes.

The arrangements to broadcast this result were carefully completed by WNAC with the Boston Herald Traveler and the Associated Press.

Bill Proposes U. S. Monopoly Of Electrical Transmission

WASHINGTON, D. C.—Another Radio bill has been introduced in the house of representatives, this time by Representative Shallenberger of Illinois. The bill proposes "to secure to the United States a monopoly of electrical means for the transmission of intelligence for hire; to provide for the acquisition by the post-office department of the telephone and telegraph network; and to license certain telephone lines, Radio and telegraph agencies."

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Radio Digest, Illustrated, Volume XVI, Number 9, published Chicago, Illinois, March 6, 1926. Published weekly by Radio Digest Publishing Co. (Incorporated), 510 N. Dearborn Street, Chicago, Illinois. Subscription rates yearly, Five Dollars; Foreign Postage One Dollar additional; single copies Ten Cents. Entered as second class matter at the post office at Chicago, Illinois, under the Act of March 3, 1879. Title Reg. U. S. Patent Office and Dominion of Canada. Copyright 1926 by Radio Digest Publishing Co. All rights reserved.

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Looking Ahead

Whose Were the Snow-Covered Shoes Left at the Threshold of the "Door of Death?" Was Mary Williams as innocent as she seemed? Why did she repulse the ardent proposals of Henry Graves? Follow the "trail of the tigress" in the third installment of "A Step On the Stairs" in the next issue of Radio Digest.

Typical American Music Finds Its Elemental Source in the rhythm and chants of the American Indian, thinks Thurlow Lieurance, pianist and composer, who has spent most of his life in the study of native music, transcribing it to modern score. His story as told to WLS listeners in our next issue.

From a Nickel Picture Show in a Deserted Shoe Store to Multi-Millionaire owner of a string of amusement palaces and proprietor of Radio Station WMBB on the Trianon—"The World's Most Beautiful Ballroom"—is the history of Andrew Karzas. Story and picture in the next Radio Digest.

Boy Scouts Who Are Described as the Budding Flower of the American manhood of tomorrow have had much to do with the present success of Radio. A special page with a story from the New York headquarters is in preparation for a forthcoming issue of Radio Digest. Watch for it, boys.

Tuned R.F. Circuits, How You Get Them and Why, are an important part of Milo Gurney's next installment in the A. B. C. series. Present day Radio set owners will be interested in knowing how tuned radio frequency amplification was evolved.

More Methods for the Prevention of Blooping will be presented in the next issue by the Technical Staff. If only every listener in the country would consider the various arrangements being presented there would be no more squealing.

Newsstands Don't Always Have One Left

WHEN YOU WANT

Radio Digest

YOU WANT IT!

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Name .....

Address .....

City..... State.....

NEWS BRIEFS FROM THE BROADCASTERS

CINCINNATI SHRINE BAND OVER WLW WEDNESDAY

Play Shop Surprise Feature at WGN—Repertory Frolic WBZ Success—Irish Play at KGO

The popular Syrian Temple Shrine band, under the direction of Henry Fillmore, will return to WLW, Cincinnati, Wednesday, March 10, for a program of music and songs. This musical organization is known throughout the country for the excellence of its programs and makes two broadcasting engagements a year.

* *

A midnight frolic and after-theater dance, the first of a series entitled "The Silver Forest," was given by the Repertory theater last Thursday at WBZ, Springfield. The affair was conducted along the lines of the famous Ziegfeld midnight frolic atop the New Amsterdam theater in New York.

* *

An old-fashioned drama, "Kathleen Mavourneen," will be produced by the KGO players Thursday night, March 11, beginning at 8 p. m. Pacific time.

* *

Quin Ryan and Frank Dahm are the directing geniuses behind the new Play Shop feature broadcasting at 10:10 p. m. Central time every night at WGN, Chicago. Skilled actors, readers and musicians are presenting these skits, burlesques, comedies or tragedies.

* *

Don't turn up your nose at "Yes, We Have No Bananas." It comes of a very good family. "Its great grandfather was Handel's Hallelujah chorus," says Dr. Sigmund Spaeth, noted teacher and interpreter of music. Turning to his piano, he proves it. The highbrow learned to appreciate good jazz, and the lowbrow to understand a symphony at WLS, Chicago, last week when Dr. Spaeth gave a series of whimsical lectures on the appreciation of music.

* *

The fans to whom the Barber Shop ballads recall pleasant memories will welcome the new trio of Shave, Haircut and Shoe Shine at WBBM, Chicago. Their old-time harmony numbers are, to say the least, unique.

* *

The headliner artists of the WBZ programs have joined together in one large group that will be known as the WBZ Concert company. Ethel Curry, soprano; Ethel Woodman, contralto; Vincenzo Spolzino, tenor, are a few of the young artists in this organization.

* *

Whittall Anglo Persians, directed by Louis H. Katzman, may be heard on Friday nights over the WEAF chain. Oriental music will be featured by this group.

* *

Last week a real magician visited WLW, Cincinnati. Fans who listened to Howard Thurston's lecture on white magic have been able to pull rabbits out of hats, discover cards and handkerchiefs in strange places and in other ways puzzle their friends.

* *

Radio fans will have an opportunity to hear the cream of Victor Herbert's musical library while listening in on Wednesday nights to "Roxy and His Gang" over WEAF and a chain of stations. S. L. Rothafel has purchased from Ella Herbert, daughter of the famous composer, his entire personal library which contains not only Victor Herbert's own lilting melodies, but the symphonic scores, orchestrations and classic and light comedy music used by him during the many years he served as conductor of the leading orchestral organizations throughout the country.

* *

Dressed as Mother Goose and carrying a calico goose, Miss Bessie Lillian Taft has become well known to kiddies in New England. She believes that children may learn to love animals and be kind to them and she tells her stories with this end in view. Her Radio audience of little folks dial for WTIC Mondays at 6:30 p. m. Eastern time.

* *

An unusual program will be given Tuesday, March 9, when WLW, Cincinnati, transmits a program which was given in Hilversum, Holland. This unique event is to be broadcast by the Formica concert orchestra under the direction of William C. Stoess, and will give Radio fans the opportunity to hear a concert that is a replica of one given through broadcasting station HDO, Holland.

* *

Wednesday afternoon will be devoted to discussions and courses in dramatics

(Continued on page 21)

"MAGNETIC BLANKET" IS LIFTED

MYSTERY SERIAL IS SENSATION OF RADIO

"A STEP ON THE STAIRS" IMMEDIATE SUCCESS

Readers of Story Form and Listeners In Acclaim Work as Great Step Forward

"A Step On the Stairs" is out with a wow!

"It's a hit," wired E. H. Twamley, studio director of Station WOC, Davenport, Ia., to the Radio Digest. This was one of the first of the eighteen stations to put the remarkable story written especially for Radio transmission by Robert J. Casey on the air.

Scores of letters have been received by Radio Digest from readers who already are advancing theories as to the outcome of the story and seeking hints as to the solution of the first mysterious circumstances revealed in the first installment. Never in history has a new book come out with such an instantaneous audience. Millions will be following this remarkable story week by week as it unfolds with vivid realism in the pages of Radio Digest and through the air from the leading broadcasting stations of the nation.

Special Music Score

A special musical score of weird tunes and orchestral effects has been prepared to carry through the dramatization, serving much the same purpose as specially written music for the motion picture features. With lights turned low or enveloped in absolute darkness listeners are intrigued into an atmosphere that rustles with ghostly garments and eerie wails, the stage setting for the characters of the story. This makes possible a dramatic appreciation impossible under any other circumstances.

All the little tricks of suggestion and influence have been employed by Mr. Casey to make the listener feel in the very presence of the fantastic environment that haunts the old Turner manse where the successive owners have died and passed through the same fatal door to their graves.

Action Is Concentrated

The relatives are gathered about a table in the old hunt-room. The candles have been extinguished. They wait for the voice of the last master of the house —Peleg Turner—to come back to them through the Radio horn. He himself through his will has set the midnight hour for this mystic apparition. Then comes a shot. The voice, from a broadcasting station, states that a murder has been committed in the studio. Pandemonium follows.

In the current issue the situation becomes more tense. The thread of circumstances follows quickly. There are no tiresome descriptions. All is action and suspense. One grim incident follows another with surprising climaxes and at the end of the episode the underlying motives and unknown characters are more mysterious than ever. So far it has all taken place between 11:30 p. m. and 2 a. m.

One Man Knows Secret

Only one man knows the secret, the key to the whole situation and that man is Robert J. Casey. All the reader or listener needs to be is a mind reader and pluck the last chapter from the back of Mr. Casey's head. To be able to finish the story with a correct theory as to the outcome means a cash prize of $250 for the best answer, $100 for the next best answer and $10 each for the next fifteen best answers. The details are published on page 7.

"I am very glad that some constructive effort, with the power of publicity behind it, is being made to encourage the writing of Radio drama," wrote Mrs. Wilda Wilson Church, one of the foremost producers of Radio drama in the world, in her acceptance of "A Step On the Stairs" for Station KGO, General Electric Co., Oakland, Calif.

"Count on WSB for this big idea in Radio drama. By all means send us the dramatization of 'A Step On the Stairs'," wired Lambin Kay, director of the Atlanta Journal broadcasting station.

An error in the Radio Digest office last week caused the publication of the wrong station for Cincinnati as the one from which "A Step On the Stairs," would be broadcast. The correct station is WLW of the Crosley Radio Corp., one of the widest range stations in the country.

Orson Stiles of WOAW, Omaha, said in accepting the Casey story, "We are not

(Continued on page 30)

CREATORS OF "THE NIGHT HERD"

NANCE O'NEIL, above, came flying halfway across the continent to play the part of Delores in "The Night Herd," the $500 prize Radio drama which "opened" over WLS, Wednesday, February 17, before the largest first night audience for which any actress has ever had the privilege of appearing.

"The Night Herd," written by Levi Chambers Ballou, right, of Buffalo, N. Y., was produced under the direction of Alexander Dean, of the Drama league of America. George Arliss, who was one of the three judges who selected the winning play from more than five hundred entries, made the presentation of the Hoover trophy cup and the $500 cash prize offered by WLS and the drama league, to Mr. Ballou.

Following its presentation from WLS, "The Night Herd" went on tour and played from Cincinnati, on Thursday evening, February 18; WSB, Atlanta, Friday; WRC, Washington, Saturday; WIP, Philadelphia, Monday; and closed at WGBS, New York, Tuesday.

The entire cast travelled to the various stations and made its appearance "in person."

The second prize winning play, "Back Stage," by Hilliard Booth, Brevard, N. C., for which $200 was awarded, was to be produced at WLS on Wednesday, March 3. The play was to be toured to the same stations as presented "The Night Herd," and will be heard according to the same schedule of days.

On March 10, "Midnight," third prize play for which J. Frank Davis, of San Antonio, Texas, received $100, will be heard from WLS, Chicago. "Midnight" will also be toured and presented from the six cities on the same days of the weeks as listed for the first prize winner.

"We have ten more plays beside the winners which we will give later," said Harry D. Saddler, director of WLS dramatic productions, "and probably thirty per cent of the five hundred plays received will be usable in some form. For all the others produced we will pay the usual royalty."

The usual royalty per station is understood to be ten dollars a performance. This offer, it is believed, will stimulate the interest of writers in Radio.

Ear Phones Are Installed in Hospital for Canadian Vets

TORONTO, Canada.—When "Roxy" of the Capitol theater was broadcasting for the Canadian government last summer he told of what had been done through Radio for the incurable war veterans in United States hospitals and suggested that similar work be done in Canada. To encourage the action he and his "Gang" donated $500.

In the Christie Street hospital, here, 150 sets of ear phones have been installed to enable individual patients to listen in when the loud speakers were not in use. Although there are but 200 patients in the hospital, there are 300 beds and it is expected that each bed will be equipped with ear phones.

EXPLANATION LACKING, BUT RADIO BETTER

Leaving Brings Fans Joy

Mysterious Force That Has Enveloped Ether Departs; Reception Improves After Bad Spell

WASHINGTON, D. C.—The air is cleared again and the pale of gloom has gone. The atmosphere is once more cleared of a sinister, hovering figure, who seemed to press down upon the spirits of the Radio fans. The unknown stranger has rolled up his "magnetic blanket" that has enveloped the ether and has disappeared as silently and mysteriously as he came. With his going, happiness has returned to listeners in.

If one should not understand what the above means, there is no real cause for worry or alarm because no one else does either, except that reception conditions, which have been the worst experienced in winter during the past five months, have begun to improve. Electrical engineers are pondering on the phenomena and hope to have some means to prevent or master it on its next appearance.

Blame Everybody

Poor reception has been noticed over the entire continent since the first of the year and everybody with any connection with the Radio industry has come in for their share of blame for being responsible for it. The condition is said to have cost commercial broadcasters many thousands of dollars worth of publicity expected during the winter months through the usual good reception conditions.

Although the nature of the phenomena or what causes it is unknown, it just has to be called something, hence the name "magnetic blanket." The mysterious stranger started rolling it up about the end of the month and now during March, which is usually one of the best times in the year for Radio transmission, the listeners in may expect to enjoy broadcast programs.

Programs Distributed by Telephone Company

Broadcasts Picked Up and Furnished to Loud Speakers

DENVER.—On the heels of rapid developments in the broadcasting art, telephone officials at Hiawatha, Kans., are now able to provide loud speaker Radio service to their widely scattered subscribers, according to word received by KOA at Denver.

"Programs are picked up at a central receiving set and are then distributed over the lines to loud speakers in private homes," reads the communication from an enthusiastic listener of Hiawatha, R. A. Nevin. "This system is ideal except that we take what the operator gives us. On the whole, however, he gives us the best."

Similar experiments have been made near Colony, Okla., according to Guy H. Oglesby.

"We live out in the country about fifteen miles from the railroad," he declares. "Last night I connected my Radio on our 'home-owned' telephone line and enabled all my neighbors, approximately twenty farmers, to hear KOA, which is a favorite with us."

Sport Broadcasts

Wrestling Meet
Saturday, March 6
WOI, Ames, Ia., (270m-1110kc), Nebraksa-Ames. 3 p. m. Central time.

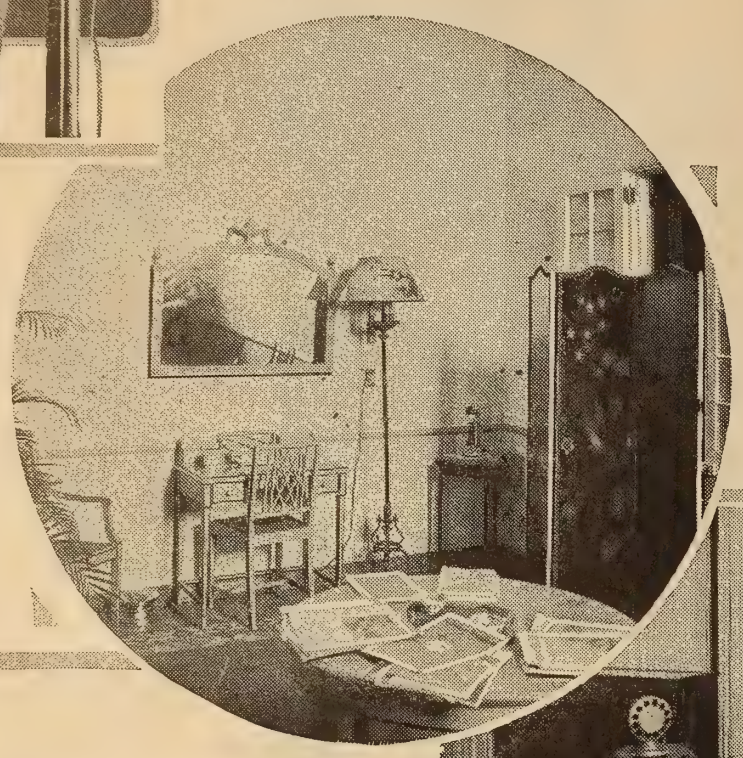
Basketball
Monday, March 8
WSUI, Iowa City, Ia., (483.6m-620kc), Ohio-Iowa. 7:30 p. m. Central time.

Hockey
Tuesday, March 9
WBZ, Springfield, Mass., (333.1m-900 kc), Boston Bruins-New York. 8 p. m. Eastern time.

PWX Scintillates Exotic Charm

GEM OF THE ANTILLES Radiates Visions of Tropic Beauty to Colder Climes in North and South American Continents. Stimulates Foreign Interests.

"Estacion PWX,"—these words have been heard on both hemispheres from the lips of Announcer R. P. Falcon (above) at Havana, Cuba.



Cozy and artistic are the reception room (upper) and the studio (lower, center) in the famous station "sparkling" from the Gem of the Antilles.

Cuban pickaninny thinks he hears "those angel voices singin'" when Mr. Falcon (below) gives him the head phones. Luxurious verdure of tropics surround Station PWX (bottom).

By JACK FORREST

IT'S a cold, clear night—just right for exploring the ether. The local stations are signing off, one by one, and the DX broadcasters are coming in as clear as a bell. As you slowly move the dials in an experimental way, around the 400-meter wave length, another stranger comes in. A band concert! The music reminds you of castinets, stamping heels, a shawl and a high comb in jet-black hair. Who is playing the Spanish music?

It stops. There is that expectant thrill as you wait for a new announcer's "This is station——," but it doesn't come. Instead, a clock suddenly begins a loud "tick-tock, tick-tock." Somebody told you once about a station that uses a Big Ben for its "trade mark." What station was that? The ticking ceases, and the band begins a lively tango. Sounds like Spain. But it must be some western station. It stops again. Then a voice—

"Estacion PWX."

Havana! A foreign station! A voice across a wide stretch of the Atlantic, beyond the tip of Florida. The land of sugar cane and cigars! The tropics!

ONLY about half as far away from New York as the Pacific coast stations, but in another land. A land where Spanish is the native language, where tropical fruits grow abundantly, where cold winter and prohibition are unknown, and where Americans like to go. All these thoughts flash through your mind as the dials rest at 400 meters. The Spanish announcement changes to English to inform you that PWX is operated by the Cuban Telephone company. The words are slowly enunciated.

With a great deal of satisfaction you log the dial readings for future use. Your friends have boasted of getting PWX and you wondered why you had not tuned it in during your nocturnal hunting trips. Wait until they hear how strong it comes in on your loud speaker!

Whether it's because there's a lure to anything tropical, or because of the entertaining Spanish programs, PWX enjoys an unusual popularity among the Radio fans, not only of the West Indies, but of North and South America, the British Isles and continental Europe. Four nights a week the Cuban Telephone company broadcasts a program, either a band concert from the Malecon bandstand by the General Staff band of the Cuban army, under the direction of Jose Molina Torres, or a recital by Cuban musicians and singers from the station studio. Every Monday, Tuesday, Wednesday and Saturday evening, from 8:30 to 11:30, Eastern standard time the DX fans of America and Europe tune in on 400 meters to try to get Cuba through the locals, and when they get PWX, they find in most cases it comes in with a bang!

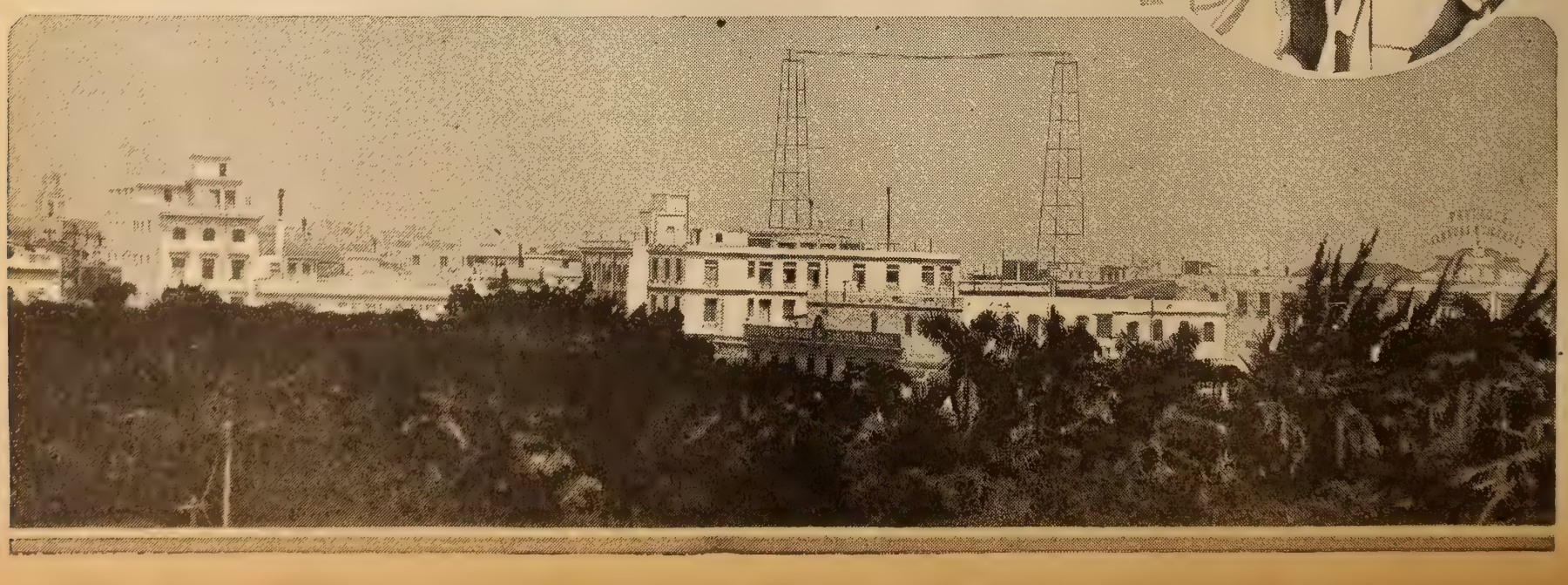
A short time ago, the station was on the air only two nights a week. But now, there are about 50,000 receiving sets in Cuba alone—most of them homemade, as the Custom House figures of November, 1925, show that a total of 20,000 were imported—and the bulky mails from the United States and South American countries show that the audience of PWX has grown immensely abroad. So the number of programs have been increased, and plans are being made to use the station every night. Several American and Cuban organizations have arranged for entertainments to be given weekly, and it looks as if PWX were soon going to be busy all through the week.

* * *

SINCE this standard 500-watt station opened in 1922, it has served not only to entertain thousands of families in the island where it is located, but also to carry information about Cuba abroad to lands where only a vague idea of the island had been held before. As far as its voice is being heard, PWX is spreading information about Cuba, its desirable climate and its activities. That is one of the services this station is performing which is of mutual benefit to the island and to the foreign audiences.

Why did the Cuban Telephone company build this powerful station at Havana, to entertain unseen millions, scattered from the Equator to the Arctic Circle, and from mid-Pacific to Europe? Because it was seen that the Radio station would be a means of assisting in the

(*Turn to page 24*)



"Hill Billies" Capture WRC

Boys from Blue Ridge Mountains Take Washington With Guitars, Fiddles and Banjos; Open New Line of American Airs

MODERN improvements make slow progress in the hill country of the South. During the World war it was discovered that some of the more remote communities were living much as they did a century ago.

But Radio has taken hold of the primitive inhabitants with amazing alacrity. It's effect on the development of their education and communication with the outer world promises benefits untold. They are learning a new language. They are discovering America as it is today. To some who were born and have grown old within a few miles of the homes of their fathers it is a revelation. They scarcely associate it as being in reality a part of their own world. They do not all have receiving sets but there is one in the general store and they come from far and near to hear the concerts. The storekeeper in many instances has made it possible for individual families to own their own receiving sets.

A few weeks ago Radio Station WRC at Washington, D. C., broadcast a concert by an organization called "The Hill Billies." The response was astounding.

Letters and post cards arrived from the mountains of Tennessee, from the hills of Kentucky and the Carolinas and the Blue Ridge counties of Maryland and Virginia. Phone calls, local and long distance, demanded favorite numbers, and repeats, and what not.

* * *

A VOICE with a distinct Georgia drawl asked that they play "Long Eared Mule," and added the significant remark: "You-all caint fool me, ah know where them boys come from. They's Hill Billies for suah. They ain't nobody kin play that music 'thout they is bawn in the hills and brung up thar."

And he was right. The Hill Billies are really boys from the ranges that skirt the east coast states. They are six keen-eyed, ruddy-cheeked youths who have captured the rhythms of the hills, and who, with fiddles and other stringed instruments, present the classics of the country entertainments.

There isn't a bar of jazz in the Hill Billy music. There isn't a note of weird modern harmony or anti-harmony, nor is there a single skip-stop syncopation. And yet the Hill Billy music, with its "Sally-Ann" rhythm and its "Cinday" swing, starts feet to tapping unrestrainedly and unashamed. It is the folk music of America, to which the backwoods youth and the farmer boys "hoe it down" on rough-plank dance floors.

The Hopkins boys, the nucleus of the organization, form a vocal quartet, which, although of debatable value as to timbre of voices and blending of tone, is of indisputable predominance in volume and exactness of harmony. All four are natural baritones, but somebody has to sing tenor and somebody has to growl bass, and that's that. Joe Hopkins, now first tenor, until recently sang deep bass, but had to change because Elmer, who had been first tenor, contracted a cold and couldn't carry higher than baritone. When they "cut loose," as they say, one is reminded of their native habitat, and feels that "the strength of the hills is theirs also." WRC experimented with transmission for some time, and finally decided that the only way to keep them from "blasting" the microphone was to put them outdoors and hide the mike in a closet.

* * *

THOSE Hopkins boys, Al, Elmer, John and Joe, come from down Ash county way in No'th Ca'lina. For several years they have been "tank-towning" the South, playing for church and fraternal entertainments and dances, with Elvis Alderman (of Carroll county, Vi'ginia, suh) fiddling along with them. Carroll, if you must know, is the county in which the famous Allen gang, feudists extraordinary, lives and has its being, and takes occasional pot-shots at unsociable neighbors. (*Continued on page 24*)

Behold here a real Hill Billy, "Fox-Hunt" Charlie Bowman (above) who lives in a log cabin back in the hills ten miles from Mountain City, Tenn. Charlie came to town for a fiddlers' contest and the Hopkins boys from North Carolina were so pleased with his performance they induced him to join the Hill Billies gang.

Below is the famous gang of Hill Billies who took nation's capital by storm. They are, from the left: A. E. Alderman of Carroll county, Virginia; Al, John and Joe Hopkins of "No'th Ca'lina," and "Fox-Hunt" Charlie Bowman of Tennessee. Every one of 'em from the "mountings" and born with the lingo.

a STEP On the STAIRS

By ROBERT J. CASEY

Radio Dramatization by FRED SMITH

Illustrations by HILMER C. OLSON

Synopsis of Preceding Chapters

MYSTERY, attaching to the manor house of the Turners, a sea-faring family of Pelican Bay, "since before the war" of the revolution, became an acute concern of the neighbors shortly before the opening of this story, when Jeremiah Turner, brother of Peleg Turner, owner of the place, was found murdered. John Carton, a favorite nephew disappeared and popular opinion identified him actively with the crime. Shortly thereafter Peleg Turner died. His death, apparently, was due to natural causes but his friends and relatives in Pelican Bay were free in the expression of their belief that more would come of it. Peleg Turner's body was carried out of the house as the bodies of the Turners always had been carried out, through a front door, opening from the old hunt-room, a door which legend and unbreakable custom had assigned to this one purpose.

The relatives of Peleg Turner gathered after his death to take part in a strange seance provided by his last will—to sit before a Radio receiver and listen while he should make an attempt to speak from the grave and solve the mysteries of the ancient house.

Through the storm that ushered in the evening of this weird meeting a man in a gray overcoat came across the dangerous waters of Pelican Bay, told Henry Millis, the caretaker, that he was one of the invited guests, and promptly thereafter disappeared.

In the house waiting for the word from Peleg Turner are Mary Williams, who maintains her belief in John Carton, Henry Graves, a distant cousin who would marry her, Aunt Helen Holmes, close relative of the Turners, Cousin William Turner, a diffident but sanctimonious youth, Frederick Ardwyn, Peleg's lawyer, Hari Singh, an East Indian servant, and other associates and relatives of the men who had died without solving the mystery of the hunt-room.

While the company was sitting before the radio receiver, locked in the darkened room, a step was heard on the stairs at the end of the outer hall and there came an untraceable echo of three short taps, three taps more widely spaced and then three more short taps —S-O-S. A draft gave sudden startling proof that someone had opened the front door through which none but the dead Turners had ever passed. But the fearsome effect of this discovery was lost in the noise of a fight in the broadcasting station to which the receiver was tuned—a pistol shot,—and then a call for help from the station announcer. Briefly, then, the unanswered puzzles of the Turner manse were these:

Who was the man in the gray coat and what became of him?
Whose was the step on the stairs?
Who opened the door reserved for the dead?
Who killed Jeremiah Turner?
What was the truth about the death of Peleg Turner?
What happened to John Carton?

THE STORY CONTINUES.

CHAPTER THREE

Through the Front Door

IN THE ensuing pandemonium it was impossible to distinguish between the detached, ghostly shrieks of the Radio and the fleshly and pertinent plaints of the dozen panic stricken men and women who were the guests of the departed Peleg Turner. The long hunt-room, doubly vast now that darkness aided imagination, was filled with the cries of terror-crazed women and the futile cursing of men, with the crashing of overturned furniture and the vain beating of fists against the heavy oak panels of the doors.

It was not until the energies of the milling, struggling crowd had waned and the first ecstacy of fear had been tempered that the voice of Frederick Ardwyn, the lawer, could be heard over the din.

"Ladies and gentlemen," he shouted. "Be quiet please. There is no danger. As Mr. Turner's lawyer—as his proxy at this meeting—I beg of you to believe that there is no cause for this commotion. Please be seated in the seats nearest where you happen to be. Mr. Graves, Mr. William Caryl and Mr. Milford Jones will please search the floor for the candles."

"But Mr. Ardwyn," came the plainting voice of Aunt Helen Holmes. "What has happened?"

"Nothing to be concerned about, Mrs. Holmes," the lawyer assured her. "We have let our nerves get the better of us because of the unusualness of this situation.

"But certainly there is nothing to cause alarm in a fight in a broadcasting station several miles away from here."

Aunt Helen's voice, still quavering in her reply, showed that she was far from being convinced.

"But the front door, Mr. Ardwyn," she reminded him. "The door that's never opened except when somebody's going to die . . . it was opened. I felt the draft. I know it was opened. And nobody's ever gone through it until he was a corpse."

"Hard luck for the fellow who broke in through it then," came an exasperated comment from the far corner of the room. "If I could find the bird that stepped on my hand I'd fix him so he wouldn't worry about Radio. But my glasses are busted and I can't see anyway in the dark. Get a match somebody . . . "

There was no response.

"Hasn't anybody got a match?"

Ardwyn once more counselled quiet.

"WE'LL get matches and a light in due time," he said. "And don't be alarmed about the front door. The latch is on the inside but no one could find the knobs to open it in the dark. I suspect anyway that it was nailed up as it generally is on such occasions after the last funeral."

"But somebody did open that door," protested Aunt Helen with increasing vehemence. "Do you mean to tell me I haven't the evidence of my own senses?"

"What of it?" inquired Ardwyn impatiently. "Suppose somebody did open the door, nothing has come of it. And I am telling you that it is humanly impossible to open that door in the dark. I have seen the locks . . . "

"Locks don't mean anything to a ghost," declared Aunt Helen.

The booming protest of the man who had bewailed the loss of his glasses broke into the weird ensemble of bodiless voices.

"It wasn't no ghost that stepped on my paw," he countered. "An' the ghost that busted my glasses has somethin' comin' to him . . . "

"I wish someone would light the lights," whimpered a woman. "I am afraid . . . "

"Please be patient one moment more," advised Ardwyn. "The only box of matches seems to have been lost with the candles. They ought to be at this end of the table . . . Mr. Graves will you please search the floor near where I am."

"Here?" inquired the unseen Graves.

"Yes . . . that's it . . . you are brushing against me now."

"I'm not," came the startled denial. "I'm not brushing against anything. I'm in a puddle of something here. Something sticky spilled on the floor."

"Who was that at my feet?"

Ardwyn's query went unanswered.

"Who was that at my feet?"

"For the love of heaven light the lights," interrupted the woman who a short time before had voiced her fear of the dark. She seemed close to hysteria. "Lights . . . "

"Who was that at my feet?" roared Ardwyn.

Panic once more stalked the hunt-room.

A CHAIR overturned and there followed that undefinable whispering—a chorus of sharply drawn breath and muffled ejaculation that is the speech of fright. Then as chaos seemed about to be loosed once more, Henry Graves suddenly gave a cry of satisfaction.

"Here they are," he called. "The matches and a candle." A scratching noise followed and a flame turned from blue to yellow at a point in the blackness where most of the guests in their bewilderment had least expected it to be.

"Thank Heaven for the light," was the fervent prayer of the woman who had called for it and she fell forward across the table top sobbing as the rising blaze of the candle wick indentified her as Hazel Stanton, a girl who had attracted the attention of Ardwyn at the beginning of the seance only because of her manifest poise and nerve. All about her were white, vacant faces, and startled, staring eyes.

"Who is that woman?" inquired Henry Graves. "She seems to have passed out."

"Her name is Stanton," replied Ardwyn, "Hazel Stanton. I don't know what branch of the family she comes from."

"I can't figure her either," admitted Graves. "But her face is familiar—or maybe it's that mop of red hair. I've seen her somewhere, and I'm suspicious." He broke off suddenly with a deprecating gesture. "I suppose I'm seeing things just like the rest," he added apologetically. "Who wouldn't be?"

"Who indeed?" conceded the attorney. "We'll get her a glass of water as soon as I can get the doors open. But first we'd better take an inventory.

"The place is certainly a wreck. Those upset chairs at the end of the room seem to show that everybody there made a dive for that barred window. Look at Mary Williams will you. Not 125 pounds of her and you'd think to see her that nothing had happened. I don't believe she left her chair.

"She's the only one in the company who showed much sense," conceded the lawyer admiringly. "All the rest are here apparently ruffled but unharmed." He turned toward Helen Holmes who seemed to be debating with herself the advisability of fainting. "You see," he told her. "If anybody came in through

"Thank Heaven for the light," was the fervent prayer of the woman who had called for it and she fell forward across the table top sobbing... All about her were white, vacant faces, and startled, staring eyes.

EIGHTEEN Leading Broadcasters Are Presenting This Mystery Story Weekly as a Play

the front door he didn't stay. There are no strangers here. The same ones who were here when we sat down to dinner are here now . . . "

A GASP from Henry Graves interrupted him.

"The bearded pirate," he cried chokingly. "Milford Jones—that was his name, wasn't it—where is he?"

"You're right," Ardwyn admitted in an awed tone. "He's gone. Where is Milford Jones? How did he get out?"

"The front door," shrieked Aunt Helen. "That's how he got out. I told you somebody opened the front door."

"Nonsense," declared Ardwyn unconvincingly. "As you can see, the front door is closed and there is a bar across it, even if one could ignore the locks. He couldn't have left the room that way."

"And the hall doors were locked and the windows are barred," debated Aunt Helen in a high, shrill unnatural voice. "And Milford Jones is gone."

"Yes," admitted Ardwyn reluctantly. "There seems to be no doubt about that point. There were twelve of us in this room. There are eleven. Milford Jones is gone."

CHAPTER FOUR

Tiger Bite

IN THE light of the lone candle, Henry Graves looked oddly at his right hand then hurriedly plunged it into his pocket.

"We need more light here," observed Ardwyn. "Aren't there any more candle ends on the floor, Graves."

"There aren't," Graves assured him. "The candles were just about burned out when we extinguished them, if you remember."

"Hari Singh," called Ardwyn. The Indian slipped in from the hallway as if he had been waiting a summons.

"Yes, Mr. Ardwyn."

"We need candles."

"There aren't any, Sahib. All of the house but this room is lighted by electricity. Mr. Turner liked candles in here but he was not often in the house. We did not keep a large supply."

"Fix up another room for us then," the lawyer suggested. "We shall leave here as soon as the light wanes. I do not suppose there is much use in continuing this seance."

"What interrupted it?" inquired Mary Williams. "Don't you think we ought to find out?"

"Miss Williams' suggestion is pertinent," the lawyer ruled. "Where is Station FYX?"

"It's scattered a bit," put in a youth whose voice, even unaccompanied by his blinking eyes, would have identified him as the unfortunate who had lost his glasses. "There's a studio in Portsmouth—ten miles up the bay road. The transmitting station is on Pelican point, probably half a mile from here on the same road."

"Well," commented Ardwyn, "We ought to find out everything we want to know over at the station. Will you volunteer to take a run over there Mr. Tolliver?"

The youth's reluctance was obvious, but it was apparent also that he felt the responsibility focused on him through the glances of the ten who silently awaited his answer.

"Well," he said, "Well . . . I suppose I could go. But I don't like to think of chilblains and I'm sure to get chilblains if I go wandering around through the cedars at this hour of the night. I think I've got 'em already and besides somebody busted by glasses."

He paused and looked around hopelessly as if expecting moral aid from someone of the ten who stared at him.

"Oh all right," he suddenly decided. "I'll go."

A MINUTE later the door had slammed behind him and through the noises of the storm came the sounds of a starting motor car. The guests of Peleg Turner settled back limply in their chairs to await his return. Whether or not their future conduct might hinge on the report from the broadcasting station; whether or not the sounds of rioting at FYX had anything at all to do with the mysterious old house and the more mysterious old dead man who had owned it, nobody thought of suggesting any action until Tolliver should bring back the news.

"He won't come back," croaked Aunt Helen dismally. "I feel in my bones that he won't be back."

. . . . .

The candle flame wavered in an unfelt wind. The storm howled in the chimney and stirred the dead ashes in the hearth. Then presently there came the squealing of brakes under the porte-cochere and Hari Singh moved quickly toward the door. Tolliver entered and shook the snow from his great-coat with exasperating deliberation.

"Well?" inquired Ardwyn, "What did you find?"

"The riot, mayhem and murder didn't occur at the FYX studio," reported Tolliver genially. He paused with fine appreciation of dramatics as his audience sighed.

"That is something at least," admitted Ardwyn. "We may feel some relief at knowing that these wild events did not take place so close to home."

"No," said Tolliver. "They didn't happen so close to home. They happened closer. They happened right here in our back yard. The riot was staged at the FYX station on Pelican point." Once more he paused, this time with obvious pleasure at the effect he had created.

"Go on Tolliver," grated Ardwyn. "Don't be an ass! What happened?"

"I'm getting to that," the messenger explained pettishly. "It wasn't my riot. I can't change it around to suit your specifications.

"I went away from here along the Bay road to the Pelican Point station and I almost ran over some bird who stepped out of the cedars in front of the car.

"I didn't stop to ask him any questions—didn't think much about him to tell you the truth. But come to think about it maybe I'd have done better if I had given him the look, see. I haven't found out yet who smashed my glasses.

"Well I gets over to the station and there everything is in a fine mess. There's a motorcycle policeman at the door and a couple of operators and announcers running around the place looking foolish—just like you'd expect them to look.

" 'Whatcha want?' asks the cop. I tells him I heard somebody has strangled a soprano and that I've come over all these weary miles just to find out if this good news can be true. He pumps me a little. Finds out about our little party over here an' then he lets me into the station.

"And here . . . I almost forgot . . . Here's something they found on the floor of the station. I wiped it from the cop." He drew an envelope from his pocket.

"I don't make much of an inspection. I'm thinkin' all the while of havin' the cop get over here quick an' find out who smashed my glasses an' take this traveling madhouse someplace where it can be put under lock an' key.

"FROM one of the operators I find out that tonight, just as they are gettin' ready for the midnight revue, a man comes bustin' in through the door. He shuts it an' then makes a dive for the door that leads into the battery shed. As they look back at it, they think he might have been thinkin' of headin' out through a back door there. Just then another man comes bustin' through the front door and the chief engineer comes out of the battery shed. The engineer gives one look at the fellow coming toward him an' lets out a yell—'Don't let him get me,' or something like that. And he makes a reach for his hip. The second man gets out a rod and begins to shoot and the engineer is creased along the top of the skull.

"He's on his way to a hospital in Portsmouth unconscious but alive. The station microphone is turned on at the time so all of these festivities go onto the air. The operators think maybe the first man who came through the station was hit. They found blood on the floor. But anyway he gets away. The bird who does the shooting, trips over a roll of cable and sprawls just long enough to let the other one get away.

"And that's about all there is except that there's a trail of blood in the snow near the studio an' quite a bit more of the same in the snow just outside our own cottage door, here. I noticed it as I came in. I also notice from where I stand that there is blood on the floor over there by the end of the table."

Ardwyn turned his attention suddenly from Tolliver.

"What is it Miss Williams?" he asked. The girl had risen and was staring white faced across the room.

"It's nothing," she said. "Mr. Tolliver startled me. I don't think those stains on the floor are blood. I'm sure they're not. Somebody is making a hideous joke of a very serious matter . . . "

"Blood or catsup, it's all the same to me," put in Tolliver magnanimously. "I think the whole plot is the silliest thing I ever got mixed up in. The idea of a wounded man coming here to this house for shelter—if he came—is the evening's brightest jape.

AND here . . . I almost forgot . . . Here's something they found on the floor of the station. I swiped it from the cop." He drew an envelope from his pocket. "It appears to be a letter . . . "

"God help us," breathed a voice that nobody thought to trace. And then Miss Williams, holding to the end of the table as she lowered herself weakly into her chair gave a spasmodic jerk that sent the candlestick and its lone light rocketing to the floor. Darkness came down and the old panic revived.

"The lights are out," cried Miss Stanton roused from a semi-stupor. "What has happened?"

"Nothing at all," Ardwyn assured her quickly. "Somebody jolted the candlestick off the table. We'll find it presently or we'll all go out into the library where we . . . ." His speech was suddenly interrupted by a cry of pain.

"A woman!" he exclaimed and the others in the room, vainly attempting to see what was happening in the blackness, caught a glimpse of a silhouetted figure momentarily outlined against the dim twilight that filtered through the doorway from a room beyond the hall. "A woman" he repeated. "I had her . . . . She's gone . . . . Hari Singh! Hari Singh! Find a light. . . ."

"Coming, Sahib," called Hari Singh from somewhere close by. And a match

(Continued on page 28)

$500 in Gold

FOR THE SOLUTION OF

a Step On the Stairs

WITH the beginning of this exclusive and pioneering effort in coupling a master serial novelette with its production as a Radio play at a selected few of the country's best broadcasting stations, Radio Digest wishes to announce that $500.00 in Gold prizes will be awarded to the persons who can best solve the mystery.

The story, "A Step On the Stairs," is written by Robert J. Casey, an author whose works in the literary world need no introduction. Furthermore he is well versed in the needs of such fiction for Radio presentation. His work, in turn, is being Radio dramatized by Fred Smith, Managing Director of the United States Radio Society, who can be counted among the first few men to write and present Radio plays.

Read the story and hear it played weekly from the selected stations. Don't miss this thriller, whether or not you intend to submit a solution!

The chosen stations, which will broadcast "A Step On the Stairs" in Radio play form, are given on page thirteen. The days and the hours are listed.

THE PRIZES

The prizes are seventeen in number. First prize is $250; second prize is $100; third to seventeenth prizes inclusive, are $10 each. In the event of a tie for any prize offered, a prize identical in all respects with that tied for will be awarded to each tying contestant.

HOW TO WIN A PRIZE

Nine installments of Mr. Casey's story will be published consecutively each week, the first appearing in the February 27 issue. His tenth and final installment will not appear until the prize winning solutions have been selected by the judges. The solution nearest correct, that is, nearest to unravelling the mystery accurately, will win. The method of preparing the solution—its neatness, legibility, etc.—shall be considered in the selection of the winning solution.

RULES OF CONTEST

1. The contest opens with the February 27 issue. All solutions must be received by Radio Digest not later than midnight of Saturday, May 1. The ninth installment of the story will appear in the April 24 issue. The author's intended and final chapter will appear in the May 15 issue of Radio Digest, together with the announcement of the winners' names.

2. The contest is open to everyone except employes of Radio Digest and their families.

3. Contestants pay no fee and need not be subscribers to Radio Digest. Solutions, however, must be written upon but one side of paper, and names and addresses should be written or printed plainly.

4. The decision of the judges, to be named later in the contest, will be final.

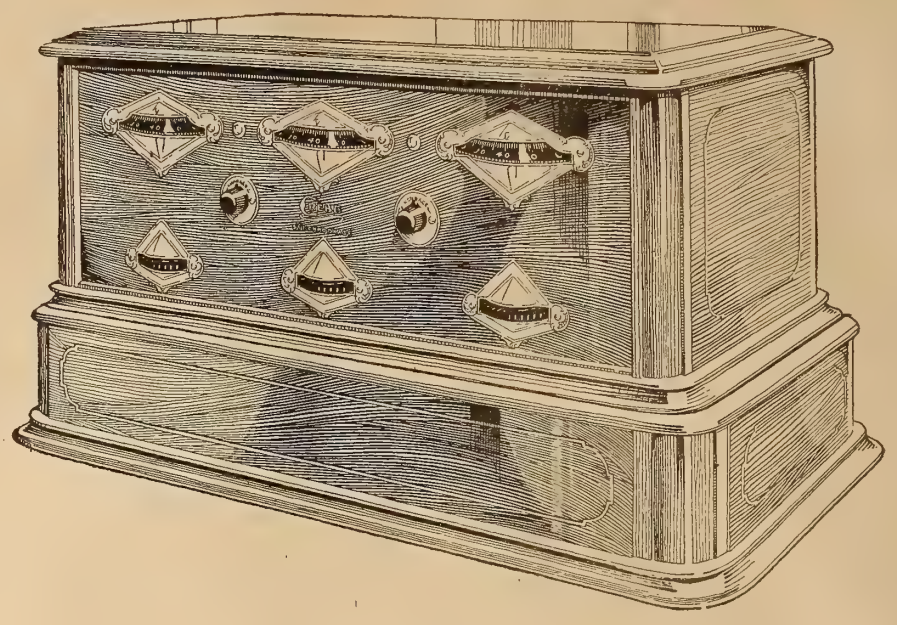
It is written:

"To see oneself is to be clear-sighted."

The clear-sighted see past the beautiful exterior of the Synchrophase to the true virtue within.

Doctor Ms

Synchrophase is also supplied without battery base.



For Those Who Understand and Appreciate Quality —in Reception —in Construction

THE appearance of the inside of radio receivers reveals little or nothing to the uninitiated. But men who are "radio-wise" see a vast difference in set construction.

By the former the ear only can be used in judgment; to the latter, the eye tells almost as much as the ear.

Look inside a Grebe Synchrophase. Your eye will be as delighted with the quality of construction as the ear will be satisfied with the superior receptivity, which this construction not only makes possible but maintains.

Ask your dealer to demonstrate.

A. H. Grebe & Co., Inc., 109 West 57th Street, New York

Factory: Richmond Hill, N. Y.

Western Branch: 443 So. San Pedro Street, Los Angeles, Cal.

This company owns and operates stations WAHG and WBOQ; also low-wave rebroadcasting stations, mobile WGMU and marine WRMU.

Exclusive Grebe Developments:

Grebe "Colortone"

Flexible Unit Control

Binocular Coils Reg. U. S. Pat. Off. *and Low-wave Extension Circuits*

Ask how and why they make Grebe reception so superior and dependable.

GREBE RADIO
TRADE MARK REG. U.S. PAT. OFF.

All Grebe apparatus is covered by patents granted and pending.

The GREBE SYNCHROPHASE

TRADE MARK REG. U.S. PAT. OFF.

REVISED RADIO BILL HAS NEW FEATURES

EACH STATE WOULD HAVE AT LEAST ONE STATION

Provides for Division of States Into Zones and Appointment of Advisory Committee

WASHINGTON.—The White Radio bill, as reported to the house by the merchant marine and fisheries committee, incorporates several new features. In the order of their importance, they follow:

1. A clause providing that a wave length shall be made available for at least one broadcasting station in each state.

2. A clause making it unlawful to transport in the United States vacuum tubes or other Radio apparatus or parts, patented or unpatented, upon which there is any restriction as to its use.

3. A clause dividing the United States into five Radio zones.

4. The appointment of a commission of five members, one member from each Radio zone, to which may be referred by the secretary of commerce, matters regarding the allocation of wave lengths.

In providing that each state shall have at least one broadcasting station, the bill says:

Each State a Station

"The secretary of commerce shall * * * determine the location of classes of stations or individual stations (with due consideration of the right of each state to have allocated to it, or to some person, firm, company or corporation within it, the use of a wave length for at least one broadcasting station located or to be located in such state, whenever application may be made therefor * * *."

The bill as amended also provides that "In considering applications for licenses and renewals for licenses, when and in so far as there is a demand for same, the secretary of commerce shall make an equitable distribution of licenses, bands of frequency or wave lengths and power among the different zones."

Division of Zones

The clause dividing the United States into zones follows:

"Section 9. For the purposes of this act, the United States is divided into five zones as follows; The first zone shall embrace the states of Maine, New Hampshire, Vermont, Massachusetts, Connecticut, Rhode Island, New York, New Jersey, Delaware, Maryland, the District of Columbia, Porto Rico, and the Virgin Islands; the second zone shall embrace the states of Pennsylvania, Virginia, West Virginia, Ohio, Michigan, and Kentucky; the third zone shall embrace the states of North Carolina, South Carolina, Georgia, Florida, Alabama, Tennessee, Mississippi, Arkansas, Louisiana, Texas and Oklahoma; the fourth zone shall embrace the states of Indiana, Illinois, Wisconsin, Minnesota, North Dakota, South Dakota, Iowa, Nebraska, Kansas and Missouri; and the fifth zone shall embrace the states of Montana, Idaho, Wyoming, Colorado, New Mexico, Arizona, Utah, Nevada, Washington, Oregon California, the Territory of Hawaii, and Alaska.

Station Changes

The San Antonio Light station, WCAR, put on a special program recently in celebration of the opening of its new 1,500-watt equipment. The wave length remains the same, 263 meters.

Two new broadcasters were licensed last week: KFYO, Texarkana, Tex., 10 watts, 209.7 meters, and KZIB, Manila, P. I., 20 watts, 249.9 meters.

The following changes in power have been authorized: KMMJ, Clay Center, Nebr., 1,000 watts; KNX, Los Angeles, Calif., 1,000 watts; WLIB, Chicago, 4,000 watts; WEW, St. Louis, 1,000 watts; WHT, Chicago, 3,500 watts.

The Jamestown Furniture Marketing bureau of Jamestown, N. Y., has leased WOCL of this city for a period of four months with an option of buying outright at the termination of the lease. WOCL is owned by the Newton Radio company.

Marshall Broadcasts Over WOS

MARSHALL, Mo.—A two-hour program introducing the musical talent of Marshall and Saline county was recently broadcast over Station WOS by remote control, the program being transferred to the studio at Jefferson City by long distance telephone.

A PIPE, FAIR LADY AND THE "MIKE"

This unbeatable combination, especially the pipe and mike part of it, is "Dick" R. V. Haller's favorite at KGW, Portland Oregonian station, for which he directs and announces. His grin is abetted by the pleasant task of selecting a program for Eva Olivotti, celebrated musical comedy star, from the score of "Wildflower," in whose road company she plays the leading role.

John McAllister, of Waterloo, Iowa, claims mention in the hall of Radio fan fame as a result of his $1,000 home built, sixteen tube receiver. He beats Henry P. Hayes, of Boston, Mass., by two tubes and $2.50.

SECOND COLLEGIATE NIGHT THROUGH WGY

TO BROADCAST PROGRAM SATURDAY, MARCH 6

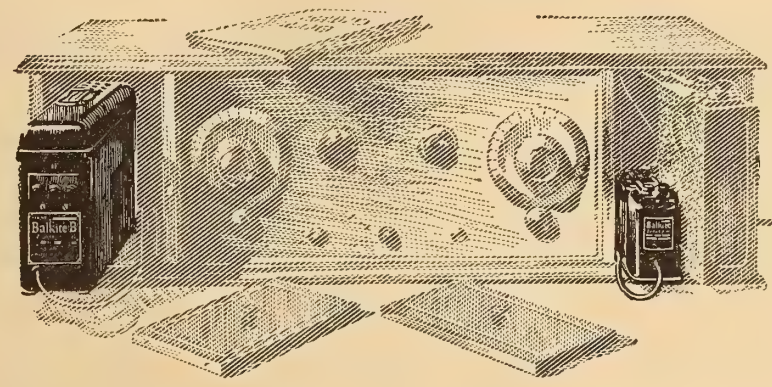
Thousand College Men Will Join in Giving Songs and Cheers of Alma Maters

SCHENECTADY, N. Y.—A thousand college men, representing seventy-five colleges and universities in the United States, the Far East, South America, European countries and the British Empire will cheer and sing for their Alma Maters again Saturday night, March 6, on the second program of the second International Intercollegiate night. Saturday, February 27, the first program was broadcast from the Edison club here over Station WGY.

The program will be international in scope. College songs and cheers of many nations will be heard.

The program last year proved a pronounced success not only for the alumni of the colleges represented but for all listeners who enjoy the rollicking songs of the campus and the yells of the athletic field.

Most of the participants on the program are engineers in the plant of the General Electric company at Schenectady, a city with more college men than any of equal population.



Convert your receiver into
A LIGHT SOCKET SET
with Balkite Radio Power Units

Balkite *Trickle Charger*
Converts any 6-volt "A" battery of 30 ampere hours capacity or more into an automatic "A" power unit that furnishes "A" current from the light socket. With 4-volt and smaller 6-volt batteries may be used as an intermittent charger. Or as a trickle charger if a resistance is added to cut down the charging rate, $10. West of Rockies, $10.50. In Canada, $15.

Balkite *Battery Charger*
The popular rapid charger for 6-volt "A" batteries. Noiseless. If your battery should be low you merely turn on the charger and operate the set. Special model for 25-40 cycles. $19.50. West of Rockies, $20. In Canada, $27.50.

Balkite "B"
Eliminates "B" batteries and supplies plate current from the light socket. Keeps the "B" circuit always full power. For sets of 6 tubes or less. $35. In Canada, $49.50.

Balkite "B" II
Supplies plate current from the light socket. Will serve any standard set. Especially adapted to sets of 6 tubes or more. $55. In Canada, $75.

Now you need wait no longer for a light socket set. Balkite Radio Power Units—the Balkite Trickle Charger and Balkite "B"—enable you to make a light socket set of your present receiver.

The Balkite Trickle Charger converts your "A" battery into an automatic "A" power unit that furnishes full "A" current from the light socket at all times. Balkite "B" replaces "B" batteries entirely and furnishes "B" current from the light socket. As an added convenience you may purchase from your dealer an automatic switch that cuts out the charger and turns on Balkite "B" during operation. This popular light socket installation is the last word in radio convenience—simple to install, economical, compact and composed entirely of units that have demonstrated their success over a long period of time.

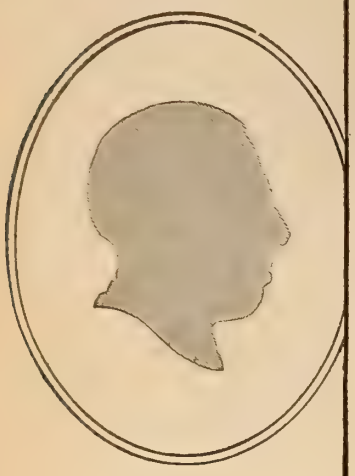
Noiseless—No bulbs—Permanent

All Balkite Radio Power Units are entirely noiseless, have no bulbs, no moving parts, nothing to break or get out of order. All are permanent pieces of equipment. Their current consumption is ridiculously low. All operate from 110-120 volt AC current, with models for 50, 60 and other cycles. *All are tested and listed as standard by the Underwriters' Laboratories.*

FANSTEEL
Balkite
Radio Power Units

Manufactured by FANSTEEL PRODUCTS COMPANY, Inc., *North Chicago, Ill.*

POWEL CROSLEY JR. • • • Radio Manufacturer



Day in, day out, the laboratories of The Crosley Radio Corporation are busy Night after night, the lights are burning as engineers and scientists of the Crosley research staff seek out the solutions of problems Powel Crosley, Jr., has set. New and better ways to make this part or that, revolutionary principles related to receiving and broadcasting, and entirely new fields for the employment of radio energy.

Always the eye of Mr. Crosley is on the work. Able as are his helpers in their respective fields, he alone directs their toil toward this goal or that. In his imagination originate the main objectives.

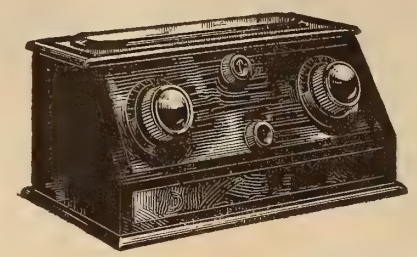
Out of this system of ceaseless search have come all those great improvements that Powel Crosley, Jr., has made in radio. Free of all restrictions of precedent and recognizing no bounds to possibility, Crosley research and engineering have already in several instances achieved the so-called "impossible." In fact, practically every Crosley improvement has been a radically new departure rather than a mere refinement of existing methods.

The Crosley Musicone is an outstanding example. In its first year it outsold all other makes, and today is replacing other types of loud speakers as fast as the world's largest radio plant can manufacture. True cascade amplification and the "*Crescendon*" are also examples of Crosley research results. And in this same department have originated the innumerable machines and devices now employed in the Crosley shops to simplify operations, speed production, and reduce costs.

Out of Powel Crosley's devotion to research great things indeed have come . . . but greater things than these may be expected.

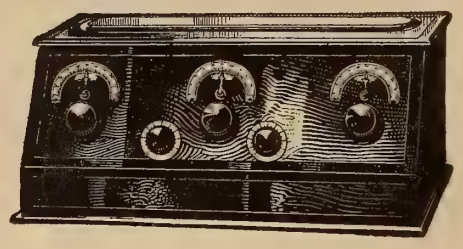
Better radio receiving in the common sense is not the only object of his search. It is Powel Crosley Junior's conviction that radio energy can perform new feats for the public's entertainment and benefit, perhaps radio motion pictures in the home. . . a thousand and one dreams are in this restless brain, and Crosley dreams so regularly come true. And even the potentialities of radio activity cannot hold his whole concern. Inasmuch as the great public service of Powel Crosley, Jr., has been in putting worth while radio reception within the common reach, he can clearly see that many other products which impose price burdens on the average man, likewise cry for cost reduction by mass production.

You may look to him to attack such problems as these. You may gauge your expectations of his success by the unusual facilities at his command and the repeated successes he has already won.



The Crosley 4-tube—4-29
in which the Crescendon is equal to one or more additional tubes of tuned radio frequency amplification **$29**

The Crescendon
—an amazing new volume control exclusive to Crosley sets. Hear it!



The Crosley 5-tube—5-38
All the volume, selectivity and purity of tone available in the best 5-tube set—plus the Crescendon . . **$38**

Widespread Popularity Marks Another Great Success

Spectacular as has been each stride in radio achieved by Powel Crosley, Jr., never before has a Crosley success received such prompt and widespread recognition. Here in the radio plant which has made more radios than any other factory in all the world, every man and machine is going at top speed, every hour is a crowded hour, every night a working day, as the result of orders for the four new Crosley sets.

Even the sweeping success of the Crosley Musicone did not match this merciless demand upon an organization tuned to mass production. With the first demonstrations by Crosley dealers, public approval was expressed in orders that have increased in volume day by day and show no inclination to relax.

This popularity is distributed quite evenly between the four new 4- and 5-tube sets. Thousands who had formerly believed that worth while reception was exclusive to high priced sets, have found in Crosley 4-29 and 5-38 all that they could ask of radio. The accurate selectivity and pure tone of these instruments would be enough. That magnificent volume achieved through the *Crescendon* is the final touch.

And in Crosley "RFL" types there is a revelation for all. For here true cascade amplification makes its first appearance. Here what was considered *impossible* in expert opinion has been achieved by amplification closely approaching theoretical maximum efficiency per tube!

Your nearby Crosley dealer is now demonstrating these truly remarkable sets. By all means hear them. What a joy to find . . . and in a low priced set . . rare beauty, rich tone, volume subject only to your desire, and no howling at any pitch by any mishandling under any conditions.

Each instrument delights the ear, fires the enthusiasm of the lay technician, converts the staunchest skeptic to love of radio.

See the new Crosley receiving sets at your dealer's or write Dept. 49 for descriptive catalog

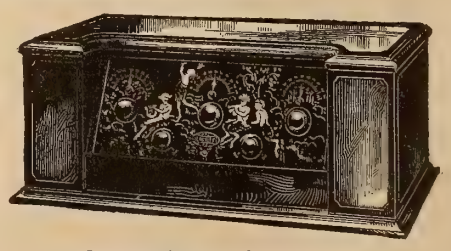
Crosley manufactures radio receiving sets which are licensed under Armstrong U. S. Patent No. 1,113,149, or under patent applications of Radio Frequency Laboratories, Inc.

THE CROSLEY RADIO CORPORATION, CINCINNATI, OHIO

Powel Crosley, Jr., President

Owning and Operating WLW, first remote control super-power broadcasting station in America

The Crosley 5-tube—RFL-60
A set of marvelous performance and beautified by the artistic decorative panel **$60**



The Crosley 5-tube—RFL-75
Simplicity and speed in tuning, fidelity of tone, and decorative beauty, enhanced by the art panel **$75**

Add 10% to all prices west of the Rockies

CROSLEY·RADIO

BETTER—COSTS LESS • • FOR THE ENTERTAINMENT CORNER

THREE RECIPES FOR WINTER CONSERVES

ORANGE MARMALADE CAN BE MADE ANY TIME

Miss Crocker Describes Method of Making Delicious Preserves if Fall Supply Is Used

Have you heard, and do you regularly listen for Betty Crocker's Radio talks? Miss Crocker is nationally known as a home food specialist who is broadcasting from a dozen of the country's largest stations. By special arrangement Radio Digest has secured a series of exclusive articles by Miss Crocker dealing with her current Radio talks. These broadcasts are made through WEEI, WEAF, WCAE, WGR, WEAR, WWJ, WDAF, WJAR, WHT, WFI, KSD, KFI, and WCCO, the Gold Medal station at Minneapolis-St. Paul. All of Miss Crocker's recipes and discussions are based upon actual investigations and work of herself and her assistants in model kitchens.—Editor's Note.

By Betty Crocker

A SHORT time ago I received a letter from a young housekeeper asking if there is anything she can make at this time of the year to fill the jam pot. Last fall, she had canned what she thought was a generous supply of jams, jellies and conserves, but now they are almost gone and her husband wants more spread for hot biscuits and Johnny cake. No doubt there are others of you in the same predicament or perhaps some of you, for one reason or another, were unable to do any canning or preserving last fall.

We usually think of August and September as the season for preserving, but it is very easy to make good jams and conserves in the winter, and furthermore, it is decidedly more comfortable to stand over a hot stove now than in August or September.

Winter Time Conserves

Delicious conserves may be made of dried fruits, peaches, apricots, or prunes combined with commercial canned pineapple, or berries, or with raisins, oranges, or grapefruit. If you are fortunate enough to have a supply of canned rhubarb left from last summer you can make some very delicious conserves with the winter fruits. Rhubarb, raisins, and oranges combine to make a delicious marmalade, or you may use rhubarb and pineapple with equally good results. Another good marmalade is made by combining apples and quince and, of course, there is nothing more delicious than orange marmalade. Nuts, the most expensive part of a conserve, are usually reserved for a special company treat, but if you have a supply of nuts from your woods, you can have a company treat every day.

Nuts should never be boiled in the mixture, as boiling develops a strong flavor. They should be blanched, and chopped, and added just a minute or two before the mixture is removed from the fire. All glasses and jars should be sterilized, before the mixture is poured into them, and after it is cold, the fruit should be covered with hot paraffin. If the paraffin is very hot, it will destroy any mold spores which may have settled on top of the fruit and thus prevent the formation of mold under the paraffin.

Orange Marmalade Recipe

Here is my kitchen-tested recipe for orange marmalade: Nine oranges, six lemons, four quarts of water, sugar.

Method: Peel the fruit, removing the peel in quarters. With a sharp knife or scissors cut the peel in thin strips. Slice fruit crosswise as thin as possible. Remove the seeds. Place fruit and peel in a preserve kettle. Pour over the water and let stand 36 hours. Boil for two hours. Measure the cooked fruit and add an equal amount of hot sugar. Cook until the mixture jells. Pour into sterilized glasses. When cold cover with hot paraffin. This amount will make ten glasses.

The reason for soaking the fruit in water for so long a time is to dissolve out the pectin so that the mixture will jell.

Apricot Conserve

The conserves made of dried fruit are perfectly delicious. I hope you will not scorn them until you have tried them. Here is the recipe for apricot conserve: One pound dried apricots, two cups shredded pineapple, juice of one-half lemon, sugar.

Method: Wash the apricots. Cover with water and let soak at least two hours. Cook very slowly in the water in which they were soaked. When almost done, add the pineapple. Cook until soft and measure. Add an equal amount of hot sugar. Cook to the jell test. Add the lemon juice just before it is done. Pour into sterilized glasses. When cold, pour over hot paraffin. This amount will make eight glasses.

Prune Conserve

The recipe for prune conserve is quite simple and very easily made. Two pounds prunes, four oranges, peel of one orange, juice of one-half lemon.

Method: Wash the prunes thoroughly. Cover with water and let soak at least an hour. Cook in the same water until

(Continued on page 12)

GREETS AND PLAYS FOR WOAW ARTISTS

The position of hostess and accompanist at a broadcasting studio is a new vocation opened to women with the advent of Radio. Marie Kieny, above, does it well at WOAW, Woodmen of the World, Omaha.

SHORT WAVES

By Marcella

After telling you last week how nice Harry Geise, ex-WIBO, was getting along on the Pacific coast, I regret to report that while last issue was on the press he was the figure of a rather unusual incident. It seems that he returned, meantime, to take a position at WWAE, Plainfield, Illinois. He also forgot to pay back alimony, so the story goes, to his ex-wife, to the amount of $375, and she had been hunting him relentlessly. While listening in one night recently she heard a familiar tune:

. . . I'm as happy as a cat—
Mamma don't know were I'm at,
What could be as fair as that?
How d'you do?

It was her former hubby, singing away to the tune of $375 to the good! Then she heard the call letters, WWAE. The next scene in the picture shows a deputy sheriff rapping on the studio door of WWAE. The next morning, after a sleepless night on a Cook county jail bed, the judge nominated Harry to membership in the "alimony club." Here Mr. Geise was accepted to membership and will stay, according to the jail chaperons, until business negotiations with Mrs. Geise are concluded—meaning Harry is to pay her $375 in legal tender. He is reported to have composed a new song for the male quartet of the alimony club. It goes something like this:

How d'you do, Mrs. Geise, how d'you do?
If you're gonna keep me here, what'll I do?
Till I pay, my dear, I fear
I'll be here for many a year,
Through the days of Christmas cheer,
How d'you do?

Tune in some night to it from WWAE, for rumor has it that the station is going to install a direct wire pickup to Harry's cell-studio. There, reports say, the "Prisoner's Song" will be one of the favorite numbers, together with, "Sittin' on the Inside, Lookin' on the Outside," and "Linger Awhile."

Seriously (?) speaking, however, those

(Continued on page 12)

WOMEN'S PROGRAMS INDEX

Saturday, March 6

Eastern	Central	Mountain	Pacific
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.

WWJ (352.7m-850kc) Tonight's dinner.

11	10	9	8

WEAR (389.4m-770kc) Home service talk.
WHT (399.8m-750kc) Women's club, Jean Sargent.

12 n.	11	10	9

WGN (302.8m-990kc) Household hints.
WQJ (447.5m-670kc) "Stories About Famous Pictures," Marjory Curry.

1 p. m.	12 n.	11	10

KGW (491.5m-610kc) Household helps, shopping guide.
KMA (252m-1190kc) Domestic science topics.

12:30	11:30	10:30	9:30

WGN (302.8m-990kc) Discussion of fashions.

12:35	11:35	10:35	9:35

KYW (535.4m-560kc) Table talk.

4	3 p. m.	2 p. m.	1 p. m.

KJR (384.4m-780kc) Tonight's dinner.

Monday, March 8

Eastern	Central	Mountain	Pacific
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.

WWJ (352.7m-850kc) Tonight's dinner.

10	9	8	7

WJZ (454.3m-660kc) Women's hour.
WRC (468.5m-640kc) Women's hour.

10:45	9:45	8:45	7:45

WEAF (491.5m-610kc), WFI (491.5m-610kc) Home service talk, Betty Crocker.
WTAG (268m-1120kc) Talk, Marjorie Woodman, nurse.

10:50	9:50	8:50	7:50

WMC (499.7m-600kc) Home economics discussion, Miss Kitty.

11	10	9	8

WEAR (389.4m-770kc) Home service talk.
WHT (399.8m-750kc) Women's club, Jean Sargent.
WNYC (526m-570kc) Women's program.
WTIC (475.9m-630kc) "A Sketch," Elizabeth McSherry.

11:15	10:15	9:15	8:15

WTIC (475.9m-630kc) "Extension Work in Hartford County," Olea M. Sands.

11:30	10:45	9:30	8:30

KFAB (370.7m-880kc) "How and Why of Four-H Canning Clubs," Jessie Greene.
WTIC (475.9m-630kc) Housewife's forum.

11:45	10:45	9:45	8:45

WCCO (416.4m-720kc) "A Gold Medal St. Patrick's Party," Betty Crocker.
WDAF (365.6m-820kc), WHT (399.8m-750kc) Home service talk, Betty Crocker.

12	11	10	9

WGN (302.8m-990kc) Household hints.
WQJ (447.5m-670kc) Home Economics program. "Uses for Some of the Palm Trees," Maud R. Jacobs.

12:15 p. m.	11:15	10:15	9:15

KYW (535.4m-560kc) Meat talk.

12:30	11:30	10:30	9:30

WEBH (370.2m-810kc) Fashion and household talks.

12:35	11:35	10:35	9:35

KYW (535.4m-560kc) Table talk.

2:30	1:30 p. m.	12:30 p. m.	11:30

KFNF (263m-1140kc) Mothers' hour.

3	2	1	12 n.

WCCO (416.4m-720kc) Women's hour.
WSOE (246m-1220kc) Cooking chats.

4	3	2	1 p. m.

WIP (508.2m-590kc) Market hints for housewives.
WOC (483.6m-620kc) Home management schedule, Aunt Jane.
WQJ (447.5m-670kc) "The Care of Children's Eyes," Dr. I. Beem.

5	4	3	2

KJR (384.4m-780kc) Home helps.

7:15	6:15	5:15	4:15

WKAR (285.5m-1000kc) "Newer Ideas in Child Training," Ruth Cowan.

7:30 p. m.	6:30 p. m.	5:30 p. m.	4:30 p. m.

WKAR (285.5m-1000kc) "The Need for Iodine," Dr. Marie Dye.

7:45	6:45	5:45	4:45

WKAR (285.5m-1000kc) "Spring Fashion Forecast," Ethel Webb.

Tuesday, March 9

Eastern	Central	Mountain	Pacific
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.

WWJ (352.7m-850kc) Tonight's dinner.

10	9	8	7

KDKA (309.1m-970kc) Domestic Science. Arts for the Housewife.
KFRU (499.7m-600kc) "Shop Keepers," Jessie Burrall.
WIP (508.2m-590kc) Menu, Anna Scott.
WJZ (454.3m-660kc) Women's hour.
WRC (468.5m-640kc) Women's hour.

10:45	9:45	8:45	7:45

WTAG (268m-1120kc) Talks to Mothers, Rosebelle Jacobus.

11	10	9	8

WEAR (389.4m-770kc) Home service talk.
WHT (399.8m-750kc) Women's club, Jean Sargent.
WMCA (340.7m-880kc) Home makers' hour.

12 n.	11	10	9

WGN (302.8m-990kc) Household hints.
WQJ (447.5m-670kc) "The Proper Places to Wear a Felt Hat," Lillian Russell.

12:15 p. m.	11:15	10:15	9:15

WQJ (447.5m-670kc) "What the Baby Teeth Are For," Evelyn Schmidt.

12:30	11:30	10:30	9:30

WEBH (370.2m-810kc) Fashion and household talks.

12:35	11:35	10:35	9:35

KYW (535.4m-560kc) Table talk.

1	12 n.	11	10

KPO (428.3m-700kc) Domestic science talk.

2	1 p. m.	12 n.	11

WGY (379.5m-790kc) Talks.

3:15	2:15	1:15 p. m.	12:15 p. m.

WHO (526m-570kc) Recipes, household hints.

4	3	2	1

WIP (508.2m-590kc) Menu talk.
WOC (483.6m-620kc) Home management schedule.
WQJ (447.5m-670kc) Home Economics program.

4:30	3:30	2:30	1:30

WLIT (394.5m-760kc) Household helps and hints.

5	4	3	2

KJR (384.4m-780kc) Home helps.

5:30	4:30	3:30	2:30

KOA (322.4m-930kc) Housewives matinee.

6	5	4	3

KOA (322.4m-930kc) Culinary hints, Clara Hoover.

6:15	5:15	4:15	3:15

KOA (322.4m-930kc) Fashion review, Sally Dee.

7	6	5	4

KFOA (454.3m-660kc) Today's recipe.

8	7	6	5

WPG (299.8m-1000kc) Fashion Flashes.

8:30	7:30	6:30	5:30

KGO (361.2m-830kc) As a Woman Thinketh.

10	9	8	7

WDBO (240m-1250kc) "A Straight Talk to the Home Buyer of Citrus Fruits."

Wednesday, March 10

Eastern	Central	Mountain	Pacific
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.

WWJ (352.7m-850kc) Tonight's dinner.

10	9	8	7

WIP (508.2m-590kc) Menu.
WJZ (454.3m-660kc) Women's hour.
WRC (468.5m-640kc) Women's hour.

10:45	9:45	8:45	7:45

WEAF (491.5m-610kc) Home service talk, Betty Crocker.
WFI (394.5m-760kc) Gold Medal Service talk, Betty Crocker.
WTAG (268m-1120kc) Talk to Housewives, Mrs. Lydia Flanders.

11	10	9	8

WHT (399.8m-750kc) Women's club, Jean Sargent.
WNYC (526m-570kc) Women's program.

11:30 a. m.	10:30 a. m.	9:30 a. m.	8:30 a. m.

KFAB (340.7m-880kc) "Making Every Minute Count," May Frank.

11:45	10:45	9:45	8:45

WCCO (416.4m-720kc) "Plain Cooking—Handsome Children," Betty Crocker.
WDAF (365.6m-820kc) WHT (399.8m-750kc) Home service talk, Betty Crocker.

12 n.	11	10	9

WGN (302.8m-990kc) Household hints.
WQJ (447.5m-670kc) Home Economics program. "Pomantic Talk for Rheumatics," Lena K. Sadler.

12:30 p. m.	11:30	10:30	9:30

WEBH (370.2m-810kc) Fashion and household talks.
WGN (302.8m-990kc) Discussion of fashions.

12:35	11:35	10:35	9:35

KYW (535.4m-560kc) Table talk.

1	12 n.	11	10

KPO (428.3m-700kc) Sewing talk.

3	2 p. m.	1 p. m.	12 n.

WCCO (416.4m-720kc) Woman's hour.

4	3	2	1 p. m.

WLW (122.3m-710kc) Cooking school.
WOC (483.6m-620kc) Home management schedule, Aunt Jane.
WQJ (447.5m-670kc) Home Economics program.

4:30	3:30	2:30	1:30

KFNF (263m-1140kc) Flower talk.

5	4	3	2

WMAQ (447.5m-670kc) Recipes.

7	6	5	4

KFOA (454.3m-660kc) Today's recipes.
KLX (508.2m-590kc) Woman's hour.
KMA (252m-1190kc) Domestic science talk.

8:30	7:30	6:30	5:30

WEAO (293.9m-1020kc) "Historical Studies for Women's Clubs," Homer Hackett.

10:30	9:30	8:30	7:30

KOAC (280.2m-1070kc) "Selection of Furniture," Margaret Morehouse.

10:45	9:45	8:45	7:45

KOAC (280.2m-1070kc) "The Magic House—How It Is Kept Clean," Jessamine C. Williams.

Thursday, March 11

Eastern	Central	Mountain	Pacific
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.

WWJ (352.7m-850kc) Tonight's dinner.

10	9	8	7

KFRU (199.7m-600kc) "Broomstick," Jessie Burrall.
WIP (508.2m-590kc) Menu talk.
WJZ (454.3m-660kc) Women's hour.
WRC (468.5m-640kc) Women's hour.

10:45	9:45	8:45	7:45

WTAG (268m-1120kc) Talk, Marjorie Woodman, nurse.

10:50	9:50	8:50	7:50

WMC (499.7m-600kc) Home economics discussion, Miss Kitty.

11	10	9	8

WEAF (491.5m-610kc) Talks, cookery lecture.
WEAR (389.4m-770kc) Home service talk.
WHT (399.8m-750kc) Women's club, Jean Sargent.

12 n.	11	10	9

WGN (302.8m-990kc) Household hints.
WQJ (447.5m-670kc) "A Few Treasures from an Old French Cook Book," Erna Bertrams.

12:15	11:15	10:15	9:15

WQJ (447.5m-670kc) "Short Cuts in Cooking," Beatrice Cary.

12:30 p. m.	11:30	10:30	9:30

WEBH (370.2m-810kc) Household and fashion talks.

12:35	11:35	10:35	9:35

KYW (535.4m-560kc) Table talks.

1	12 n.	11	10

KPO (428.3m-700kc) Domestic science.

4	3	2 p. m.	1 p. m.

WOC (483.6m-620kc) Home management schedule, Aunt Jane.
WQJ (447.5m-670kc) "Foot Troubles—Their Prevention," Dr. Frank Furch. "Golf—How to Improve Your Game," Ralph Thron.

5 p. m.	4 p. m.	3 p. m.	2 p. m.

KFOA (454.3m-660kc) Home helps.
KSD (545.1m-550kc) Women's hour.

5:30	4:30	3:30	2:30

KOA (322.4m-930kc) Housewives' matinee.
WCCO (416.4m-720kc) Women's club program.

6:15	5:15	4:15	3:15

KOA (322.4m-930kc) Culinary hints, Clara Hoover.

6:15	5:15	4:15	3:15

KOA (322.4m-930kc) Fashion review, Sally Dee.

7	6	5	4

KFOA (454.3m-660kc) Today's recipe.

8:15	7:15	6:15	5:15

KSAC (340.7m-880kc) "The Latest Thing in Homes," Maria Morris. "Your Home as a Recreation Center in Your Community," Amy Welly.

9	8	7	6

KUOA (299.8m-1000kc) "Two Vegetables a Day Besides Potatoes," Emma Johnson.

Friday, March 12

Eastern	Central	Mountain	Pacific
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.

WWJ (352.7m-850kc) Tonight's dinner.

10	9	8	7

KDKA (309.1m-970kc) Domestic science and Arts for the Housewife.
WJZ (454.3m-660kc) Women's hour.
WRC (468.5m-640kc) Women's hour.

10:45	9:45	8:45	7:45

WTAG (268m-1120kc) Food hints, Mildred Thomas.

11	10	9	8

WHT (399.8m-750kc) Women's hour, Jean Sargent.

11:15	10:15	9:15	8:15

WTIC (475.9m-630kc) "Health Education in Our Public Schools," Dr. Allen Ireland.

11:30	10:30	9:30	8:30

KFAB (340.7m-880kc) "Should the Homemaker Receive a Salary?" Ruby Simpson.
WEAF (191.5m-610) Columbia U. lecture.
WTIC (475.9m-630kc) Housewives' forum.

11:45	10:45	9:45	8:45

WCCO (416.4m-720kc) "Sea Foods for Inland Folks," Betty Crocker.
WDAF (365.6m-820kc), WEAR (389.4m-770kc) Betty Crocker's Home service talk.

12 n.	11	10	9

WGN (302.8m-990kc) Household hints.
WQJ (447.5m-670kc) Sunday Dinner Menu, Ted Wilmes.

12:15	11:15	10:15	9:15

KYW (535.4m-560kc) Meat talk.

12:30 p. m.	11:30	10:30	9:30

WEBH (370.2m-810kc) Household and fashion talks.
WGN (302.8m-990kc) Discussion of fashions.

12:35	11:35	10:35	9:35

KYW (535.4m-560kc) Table talk.

1:45	12:45	11:45	10:45

WOAW (526m-570kc) Sunshine Sunday dinner menu.

3	2 p. m.	1 p. m.	12 n.

WCCO (416.4m-720kc) Women's hour.

3:15	2:15	1:15	12:15 p. m.

WHO (526m-570kc) Recipes, household hints.

4	3	2	1

WOC (483.6m-620kc) Home Management, Aunt Jane.
WQJ (447.5m-670kc) "Refrigeration—from Cave to Kitchen," Catherine Spengler.

4:30	3:30	2:30	1:30

WEAA (475.9m-630kc) Homemakers program.
WMAQ (447.5m-670kc) Foibles of the Moment.

5	4	3	2

KJR (384.4m-780kc) Home helps.
KYW (535.4m-560kc) Woman's hour.

5:15	4:15	3:15	2:15

WMAQ (477.5m-670kc)

5:30	4:30	3:30	2:30

KOA (322.4m-930kc) Housewives matinee.

6	5	4	3

KOA (322.4m-930kc) Culinary hints.

6:15	5:15	4:15	3:15

KOA (322.4m-930kc) Fashion review.

AN EVENING AT HOME WITH THE LISTENER IN
IN EASTERN TIME

Call	Location	Met.	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday
AT9	Fort Bragg, N. C.	435	Silent	6:00- 7:00	Silent	Silent	Silent	8:00- 9:55	Silent
CFCA	Toronto, Ont.	356.9	Silent	7:00- 9:00	6:45- 7:45	Silent	7:00-12:00	Silent	Silent
CFCN	Calgary, Alta.	434.5	12:00- 2:00	Silent	Silent	Silent	Silent	10:00-11:00	Silent
CJCA	Edmonton, Can.	516.9	11:00- 1:00	9:30-10:30	9:30-11:30	9:30-10:00	8:00-10:00	11:00- 1:00	10:00-1:00
CKAC	Montreal, Que.	410.7	7:00-11:30	2:45- 3:45	Silent	7:00-11:30	Silent	7:30- 9:30	Silent
CKCL	Toronto, Ont.	356.9	7:00- 8:00	3:00- 4:55	Silent	7:00-11:50	Silent	7:00- 8:00	Silent
CKNC	Toronto, Ont.	356.9	8:00-10:00	Silent	8:00-11:00	Silent	Silent	Silent	Silent
CKY	Winnipeg, Man.	384.4	9:00-12:00	8:00-11:00	9:00- 1:00	Silent	8:30-12:00	9:30-12:00	Silent
CNRO	Ottawa, Ont.	434.5	8:30- 1:30	Silent	Silent	Silent	8:30- 1:30	Silent	Silent
CYL	Mexico City, Mex	480	Silent	10:24-11:54	Silent	10:24-11:54	Silent	Silent	10:24-11:54
CZE	Mexico City, Mex.	350	9:24-10:24	Silent	9:24-10:24	9:24-10:24	9:24-10:24	9:24-10:24	9:24-10:24
KDKA	Pittsburgh, Pa.	309.1	6:30- 9:55	4:00- 8:45	6:30- 9:55	6:30-12:35	6:30- 9:55	6:30-12:00	6:30-11:05
KFAB	Lincoln, Nebr.	340.7	6:30- 3:00	5:00-12:00	6:30- 3:00	6:30-11:30	6:30-11:30	Silent	6:30-11:30
KFDM	Beaumont, Texas.	315.6	Silent	9:00-10:00	Silent	9:00-11:30	Silent	Silent	9:00-11:30
KFI	Los Angeles, Calif.	467	9:00- 6:00	7:00- 2:00	9:00- 2:00	9:00- 2:00	9:00- 2:00	9:00- 2:00	9:00- 2:00
KFJF	Okla. City, Okla.	260.7	7:30-11:45	3:30-12:45	7:30-11:45	7:30- 8:30	7:30- 1:00	7:30-11:45	7:30-11:45
KFKX	Hastings, Nebr.	288.3	6:30- 7:30	Silent	6:30-12:00	6:30- 7:30	6:30-12:00	6:30- 9:00	6:30-12:00
KFMX	Northfield, Minn.	336.9	Silent	8:00- 9:00	Silent	10:30-11:00	10:00-11:00	Silent	11:00-12:00
KFNF	Shenandoah, Ia.	263	8:00- 1:00	3:30- 9:30	8:00-10:00	8:00-10:00	8:00-10:00	8:00-10:00	8:00-10:00
KFOA	Seattle, Wash.	454.3	12:30- 2:00	Silent	10:00- 1:00	9:00- 2:00	10:00- 1:00	Silent	9:00- 2:00
KFON	Long Beach, Calif.	232.4	9:00- 2:00	9:00-12:30	9:00- 2:00	9:00- 2:00	9:00- 2:00	9:00- 2:00	9:00- 2:00
KFRU	Columbia, Mo.	499.7	Silent	8:30- 9:30	7:15- 8:15	7:15- 8:15	10:00-12:00	7:15- 8:15	7:00- 3:00
KFUO	St. Louis, Mo.	545.1	Silent	5:00-11:15	9:00-10:00	Silent	10:15-11:15	Silent	Silent
KFVE	Univ'ty City, Mo.	240	10:15-11:15	Silent	10:15-11:15	10:15-11:15	10:15-11:15	Silent	10:15-11:15
KFWB	Hollywood, Calif.	252	11:00- 2:00	12:00- 2:00	10:30- 2:00	11:00- 2:00	11:00- 2:00	11:00- 2:00	10:10- 2:00
KFWA	Ogden, Utah	260.7	11:00- 2:00	Silent	Silent	Silent	11:00- 2:00	Silent	Silent
KFXF	Colorado Springs.	250	9:00-11:00	7:30- 9:00	8:30-10:30	8:30-10:30	Silent	9:00-11:00	Silent
KGO	Oakland, Calif.	361.2	11:30- 3:00	6:30-11:30	9:00- 1:00	9:00- 3:00	9:00-10:00	11:00- 4:00	9:00-10:00
KGW	Portland, Ore.	491.5	9:00- 3:00	9:00- 1:00	9:00- 1:00	9:00- 3:00	9:00- 2:00	9:00-11:00	9:00- 3:00
KHJ	Los Angeles, Cal.	405.2	9:30- 1:00	7:00- 1:00	Silent	9:30- 1:00	9:30- 1:30	9:30- 1:00	9:30- 1:00
KIAF	Sihtipok, Minn.	421	Silent	3:00- 4:00	8:00- 9:00	Silent	8:00- 9:00	Silent	8:00- 9:00
KJR	Seattle, Wash.	384.4	11:30- 1:00	8:00- 1:30	10:00- 1:00	10:00- 1:00	10:00- 1:00	10:00- 3:00	10:00- 1:00
KLDS	Independence, Mo.	440.9	9:00-10:00	7:30-11:00	Silent	9:00-12:59	Silent	9:00-10:00	Silent
KLX	Oakland, Calif.	508.2	Silent	Silent	7:00- 1:30	Silent	7:00- 1:00	Silent	7:00- 1:30
KMA	Shenandoah, Iowa.	252	7:00-12:00	5:00- 7:00	7:00-12:00	7:00-12:00	7:00-12:00	7:00-12:00	7:00-12:00
KMOX	St. Louis, Mo.	280.2	7:00-12:00	Silent	7:00-12:00	7:00-12:00	7:00-12:00	Silent	7:00-12:00
KNX	Hollywood, Calif.	336.9	9:15- 5:00	9:30- 1:30	9:30- 3:00	9:15- 3:00	9:15- 3:00	9:15- 3:00	9:15- 3:00
KOA	Denver, Colo.	322.4	11:00- 1:00	5:00-10:45	8:30-12:30	8:30-10:30	8:30- 2:00	8:30- 9:30	8:30-11:00
KOB	StateCollege, N.M.	348.6	Silent	Silent	9:30-10:30	Silent	Silent	Silent	9:30-10:30
KOIL	Council Bluffs, Ia.	278	8:00- 4:00	8:00- 1:00	7:00- 1:00	7:00- 1:00	7:00- 8:15	7:00- 1:00	7:00- 1:00
KPO	San Francisco, Cal.	428.3	9:35- 3:00	8:00- 1:00	9:40- 2:00	9:40- 2:00	9:40- 2:00	9:40- 2:00	9:30- 2:00
KPRC	Houston, Texas	296.9	8:30- 1:00	8:30-11:30	8:30-11:00	8:30-10:30	8:30- 1:00	8:30- 1:00	Silent
KPSN	Pasadena, Cal.	315.6	11:00- 1:00	9:45-11:45	Silent	11:00-12:30	Silent	11:00-12:00	Silent
KSD	St. Louis, Mo.	545.1	7:45-11:00	7:15-10:15	7:55-12:00	7:55-11:00	8:00-10:00	7:55-11:00	8:30-10:00
KSL	Salt Lake City, U.	299.8	10:00- 1:00	10:00-12:00	10:00- 1:00	9:30-12:30	9:30-12:30	9:45- 1:00	9:30- 1:00
KTAB	Oakland, Calif.	240	Silent	10:45- 2:00	11:00- 1:00	11:00- 1:00	Silent	12:00- 3:00	11:00- 1:00
KTBI	Los Angeles, Cal.	293.9	Silent	10:15-12:30	Silent	11:00-12:00	Silent	11:00-12:00	Silent
KTCL	Seattle, Wash.	305.9	Silent	12:10- 9:10	10:00-11:00	11:00-12:00	Silent	Silent	10:00- 3:00
KTHS	Hot Springs, Ark.	374.8	10:00-11:30	10:00-12:30	10:00-12:00	10:00-11:30	10:00-12:00	10:00-11:45	10:00-12:00
KTW	Seattle, Wash.	455	9:30-10:30	Silent	Silent	9:30-10:30	Silent	9:30-10:30	Silent
KUOA	Fayetteville, Ark.	299.8	Silent	Silent	Silent	8:30- 9:30	9:00-10:00	Silent	Silent
KWKH	Shreveport, La.	260.7	10:00- 1:00	8:00-12:00	10:00-12:30	10:00- 1:00	Silent	9:00-10:30	Silent
KWSC	Pullman, Wash.	348.6	Silent	Silent	10:30-12:00	Silent	10:30-12:00	Silent	10:30-12:00
KWWG	Brownsville, Tex.	278	7:00- 8:00	3:30- 4:30	9:30-10:30	7:00- 8:00	7:00- 8:00	7:00- 8:00	7:00- 8:00
KYW	Chicago, Ill.	535.4	7:00- 2:00	3:30-11:30	Silent	7:00- 1:00	7:00- 2:30	7:00- 3:00	7:00- 2:30
NAA	Radio, Va.	434.5	Silent	Silent	7:45- 8:00	7:45- 8:00	7:25- 8:40	7:45- 8:00	7:45- 8:00
PWX	Havana, Cuba	400	8:30-11:00	8:00-10:00	8:30-11:00	8:30-11:00	8:00-10:00	Silent	8:30-11:00
WADC	Akron, Ohio	258	6:30- 7:30	6:30- 7:30	6:30- 7:00	6:30-11:30	6:30- 7:30	6:30-11:00	6:30-11:00
WAHG	Richmond, N. Y.	315.6	12:00- 2:00	Silent	8:00- 2:00	Silent	7:30-12:00	Silent	8:00-11:00
WAMD	Minneapolis, Minn.	244	7:15-11:30	8:00-11:00	8:00- 1:00	Silent	8:00- 1:00	7:15- 1:00	7:15- 1:00
WBAL	Baltimore, Md.	246	Silent	6:30- 8:30	6:30-10:00	6:30-10:00	Silent	6:00-10:00	6:30-10:00
WBAP	Fort Worth, Tex.	475.9	7:00-12:00	6:00-12:00	7:00- 1:00	7:00-12:00	7:00- 7:30	7:00- 1:00	7:00- 1:00
WBAR	Sisiht, Wis.	406	Silent	11:00-12:00	10:00-11:00	Silent	9:00-10:00	8:30- 9:30	Silent
WBBM	Chicago, Ill.	226	9:00- 3:00	5:00- 3:00	7:00- 8:00	9:00- 1:00	9:00- 3:00	9:00- 1:00	9:00-11:00
WBBR	Staten Island, N.Y	272.6	8:00-10:00	9:00-10:15	8:00- 9:00	Silent	Silent	8:00- 9:00	Silent
WBCN	Chicago, Ill.	266	10:00- 2:00	6:00- 1:00	Silent	10:00- 2:00	9:00- 1:00	10:00- 3:00	10:00- 2:00
WBZ	Springfield, Mass.	333.1	6:30-10:00	7:00- 9:00	6:30-10:30	6:30-10:15	6:30-10:00	6:30-10:00	6:30-10:00
WCAE	Pittsburgh, Pa.	461.3	8:30- 9:30	6:30-10:15	6:30-12:00	6:30-12:00	6:30-10:00	6:30-11:00	6:30-10:30
WCAP	Washington, D. C.	468.5	Silent	4:00-10:15	7:00-11:00	Silent	7:00-11:00	Silent	6:00-12.00
WCAU	Philadelphia Pa.	278	Silent	5:00-11:30	8:00-11:30	6:45-11:30	6:45-12:00	6:30-12:30	6:45-11:30
WCBD	Zion, Ill.	344.6	Silent	9:00-11:30	Silent	9:00-11:30	Silent	9:00-11:30	Silent
WCCO	Minn-St. P., Minn	416.4	7:15-12:05	5:10- 9:15	7:30-11:00	7:15-11:00	7:45- 1:30	8:00-12:05	7:15-12:05
WCOA	Pensacola, Fla.	222	12:00- 1:00	Silent	7:30- 8:30	Silent	7:30- 8:30	Silent	7:30- 8:30
WCX	Detroit, Mich.	516.9	6:00- 7:00	7:15- 8:15	6:00- 9:00	6:00-11:00	6:00- 9:00	6:00- 9:00	6:00-10:00
WDAF	Kansas City, Mo.	365.6	7:00- 2:00	5:00- 5:45	7:00- 2:00	7:00- 2:00	7:00- 2:00	7:00- 2:00	7:00- 2:00
WDBO	Winter Park, Fla.	240	9:00-10:30	5:00- 6:00	9:00-10:30	9:30-11:00	9:00-10:30	9:00-10:30	9:00-10:30
WDWF	Providence, R. I.	440.9	Silent	Silent	Silent	8:30- 9:30	Silent	Silent	Silent
WEAF	New York, N. Y.	491.5	6:00-12:00	2:00-10:15	6:00-12:00	6:00-12:00	6:00-12:00	6:00-12:00	6:00-12:00
WEAO	Columbus, Ohio	293.9	Silent	Silent	Silent	7:00- 9:00	8:00- 9:00	8:00-11:00	Silent
WEAR	Cleveland, Ohio	389.4	7:00- 1:00	7:00-10:15	7:00- 8:00	7:00-12:00	7:00- 8:00	7:00-11:00	7:00-12:00
WEBH	Chicago, Ill.	370.2	8:00- 3:00	6:00-10:00	Silent	8:00- 1:30	8:00- 1:30	8:00- 1:30	8:00- 1:30
WEBJ	New York, N. Y.	272.6	Silent	Silent	Silent	8:00- 9:00	8:00-10:00	Silent	7:00- 9:00
WEEI	Boston, Mass.	348.6	8:10-11:00	3:00-10:15	6:15-11:00	7:30-11:30	6:15-11:00	7:30-11:00	7:30-11:00
WENR	Chicago, Ill.	266	7:00- 3:00	3:00- 1:00	Silent	7:00-11:00	7:00- 3:00	7:00-11:00	7:00- 3:00
WFAA	Dallas, Tex.	475.9	7:30- 1:00	7:00- 1:00	7:30-10:30	7:30- 1:00	Silent	7:30- 1:00	7:30-10:30
WFBH	New York, N. Y.	272.6	11:30- 2:00	5:00- 8:00	11:30- 2:00	11:30- 2:00	11:30- 2:00	11:30- 2:00	11:30- 2:00
WFI	Philadelphia, Pa.	394.5	6:30-12:00	4:30- 5:30	6:30- 8:00	6:30-11:30	6:30- 8:00	6:30-11:00	6:30- 8:00
WGBS	New York, N. Y.	315.6	6:00-11:30	8:00- 9:00	7:00- 7:15	6:30-11:30	6:00- 8:30	6:00- 8:45	Silent
WGBU	Fulford, Fla.	278	6:30- 1:00	9:30-12:00	6:30- 1:00	6:30- 1:00	6:30- 1:00	6:30- 1:00	6:30- 1:00
WGCP	New York, N. Y.	252	Silent	8:00-11:15	8:00-11:00	Silent	8:00-11:15	Silent	8:00-11:00
WGES	Oak Park, Ill.	250	6:00- 2:00	6:00- 1:00	Silent	11:30- 3:00	11:30- 3:00	11:30- 3:00	11:30- 3:00
WGHB	Clearwater, Fla.	266	6:30- 1:00	Silent	6:30- 1:00	6:30- 1:00	6:30- 1:00	6:30- 1:00	6:30- 1:00
WGHP	Detroit, Mich.	270	Silent	Silent	7:00- 2:00	7:00- 2:00	7:00- 2:00	7:00- 2:00	7:00- 2:00
WGN	Chicago, Ill.	302.8	7:30-11:00	4:00-10:15	Silent	7:30-12:00	7:30-12:00	7:30-12:00	7:30-12:00
WGR	Buffalo, N. Y.	319	Silent	7:45-10:15	6:30-12:00	6:30-11:00	6:30- 1:00	6:30-11:00	6:30-12:00
WGY	Schenectady, N. Y.	379.5	6:30-12:00	3:00- 9:15	6:30- 8:45	6:30-11:30	6:30- 9:05	6:30-12:30	7:00-11:30
WHAD	Milwaukee, Wis.	275.1	Silent	4:15- 5:15	7:15-11:00	7:15- 8:00	7:15- 1:30	7:15- 8:00	7:15-11:00
WHAR	Atlantic City, N.J.	275.1	7:30- 9:00	7:50-10:00	7:30-12:00	7:30- 9:00	Silent	7:30-12:00	7:30- 9:00
WHAS	Louisville, Ky.	399.8	8:30-10:00	5:30- 6:30	Silent	8:30-10:30	8:30-10:00	8:30-10:00	8:30-10:00
WHAZ	Troy, N. Y.	379.5	Silent	Silent	9:00-12:00	Silent	Silent	Silent	Silent
WHB	Kansas City, Mo.	365.6	Silent	9:00- 2:00	8:00- 9:00	8:00-11:00	8:00- 9:00	8:00-11:00	8:00- 9:00
WHN	New York, N. Y.	361.2	7:30-10:00	9:00- 2:00	8:00-12:00	9:30-10:00	10:00-11:30	8:00-10:00	7:30-12:30
WHO	Des Moines, Ia.	526	Silent	8:30- 9:30	8:30- 1:00	8:30- 1:00	7:00- 1:00	8:30- 1:00	8:30- 1:00
WHT	Chicago, Ill.	399.8	8:00- 2:00	1:00-11:30	Silent	8:00- 2:00	8:00- 2:00	8:00- 2:00	8:00- 2:00
WIBO	Chicago, Ill.	226	7:00- 9:00	7:00- 1:00	Silent	7:00- 4:00	7:00- 4:00	7:00- 4:00	7:00- 3:00
WIP	Philadelphia, Pa.	508.2	6:05-12:05	4:00- 5:00	6:05- 8:00	6:05-11:30	6:05- 8:00	6:05-11:15	6:05- 8:00
WJAR	Providence, R. I.	305.9	Silent	7:20-10:15	7:30-11:00	7:30- 9:05	7:30-11:00	7:45-11:00	7:30-12:00
WJAS	Pittsburgh, Pa.	275.3	7:00-12:00	Silent	7:00-12:00	7:00-12:00	7:00-12:00	7:00-12:00	7:00-12:00
WJAX	Jacksonville, Fla.	336.9	8:00-10:00	7:30- 8:30	8:00-10:00	8:00-12:00	8:00-10:00	8:00-12:00	8:00-10:00
WJAZ	Chicago, Ill.	322.4	Silent	Silent	Silent	Silent	Silent	11:00- 1:00	Silent
WJJD	Mooseheart, Ill.	370.2	6:30- 2:00	4:00- 5:00	Silent	6:30- 2:00	6:30- 2:00	6:30- 2:00	6:30- 2:00
WJR	Pontiac, Mich.	516.9	7:00-12:30	Silent	7:00-12:30	7:00-10:00	7:00-12:30	7:00-11:00	7:00-10:00
WJZ	New York, N. Y.	454.3	7:00-11:30	7:00-11:00	9:00-10:00	7:00-11:30	7:00-11:30	7:00-11:45	7:00-11:30
WKAQ	San Juan, P. R.	340.7	Silent	Silent	Silent	Silent	7:00- 9:00	7:00- 9:00	7:00- 9:00
WKAR	Lansing, Mich.	285.5	12:30- 2:00	Silent	7:00- 8:00	Silent	8:00- 9:15	Silent	7:00- 8:00
WKRC	Cincinnati, O.	422.3	11:00- 1:45	6:45- 1:30	7:00- 2:00	11:00- 1:00	7:00- 2:00	11:00- 1:15	Silent
WLIB	Chicago, Ill.	302.8	7:00- 2:00	6:00- 8:00	Silent	8:00- 2:00	8:00- 2:00	8:00- 2:00	8:00- 2:00
WLIT	Philadelphia, Pa.	394.5	5:30- 6:30	4:30- 6:00	5:30- 9:45	5:30- 5:50	5:30- 9:30	5:30- 6:30	5:30-10:00
WLS	Chicago, Ill.	344.6	8:00- 2:00	7:00- 8:55	Silent	8:00- 9:00	8:00-12:30	8:00- 9:55	8:00-12:30
WLW	Cincinnati, O.	422.3	8:00-11:30	4:00-10:30	7:00-10:00	7:00-11:00	7:00- 1:00	8:00- 2:15	Silent
WLWL	New York, N. Y.	288.3	Silent	7:00- 8:00	8:00-10:00	8:00- 9:00	Silent	8:00-10:00	Silent
WMAK	Lockport, N. Y.	265.5	6:15-12:00	7:30- 8:30	7:30-10:00	6:15- 7:15	7:30-10:00	6:15- 7:15	Silent
WMAQ	Chicago, Ill.	447.5	9:00-11:00	Silent	Silent	9:00-11:15	9:00-10:45	8:00-12:00	9:00-11:15
WMAZ	Macon, Ga.	260.7	Silent	Silent	10:00-11:00	8:00- 9:00	11:00-12:00	10:00-11:00	8:00-11:00
WMBB	Chicago, Ill.	250	8:00-12:00	4:00-12:00	Silent	8:00-12:00	8:00-12:00	8:00-12:00	8:00-12:00
WMBF	Miami Beach, Fla.	384.4	7:00- 1:00	7:00- 1:00	7:00- 1:00	7:00- 1:00	7:00- 1:00	7:00- 1:00	7:00- 1:00
WMC	Memphis, Tenn.	499.7	8:15-10:30	Silent	8:15-10:00	8:15- 1:00	Silent	8:15-10:45	8:15- 1:00
WMCA	New York, N. Y.	340.7	9:00- 1:00	7:00-10:00	9:00-12:00	8:00-12:00	9:00-12:00	9:00-12:00	8:00-11:45
WNAC	Boston, Mass.	280.2	6:00-11:00	3:15- 8:15	6:30-10:45	6:00- 9:00	6:00-10:00	6:00- 9:00	6:00-11:00
WNYC	New York, N. Y.	526	7:00-10:30	9:00-11:00	7:35-10:30	7:10-10:30	7:30-10:30	7:35-10:30	7:30-10:30
WOAI	San Antonio, Tex.	394.5	Silent	8:30-11:30	Silent	9:30-10:30	9:30-10:30	Silent	9:30-10:30
WOAN	Lawrenceb'g, Tenn.	282.8	Silent	10:00-11:00	10:00- 2:30	10:00-11:00	10:00-11:00	10:00-11:00	10:00-11:00
WOAW	Omaha, Nebr.	526	7:00- 1:00	7:00-10:00	7:00-11:00	7:00- 2:00	Silent	7:00- 2:00	7:00-12:15
WOAX	Trenton, N. J.	240	Silent	9:30-11:30	Silent	Silent	Silent	Silent	Silent
WOC	Davenport, Ia.	483.6	10:00- 1:00	7:30-12:45	Silent	7:30-12:30	7:30-11:30	7:30- 1:00	7:30-11:30
WOK	Homewood, Ill.	217.3	11:00- 2:00	7:30- 9:30	7:00- 2:00	11:00- 2:00	11:00- 2:00	11:00- 2:00	11:00- 2:00
WOO	Kansas City, Mo.	508.2	Silent	6:05-10:15	6:00- 7:00	7:30- 8:30	7:30-12:00	7:30- 8:30	7:30-12:00
WOQ	Philadelphia, Pa.	278	9:00-12:00	9:00-10:15	Silent	9:00-10:00	Silent	8:00-10:00	Silent
WOR	Newark, N. J.	405.2	6:15- 8:30	Silent	6:15- 9:30	6:15- 7:30	6:15-10:00	6:15- 7:30	6:15- 7:30
WORD	Batavia, Ill.	275	8:00-11:25	3:30-11:00	Silent	8:00- 1:45	8:00- 1:00	9:00-11:00	8:00- 1:45
WOS	Jefferson City, Mo	440.9	Silent	9:00-10:00	9:00-11:00	Silent	9:00-11:00	Silent	9:00-11:00
WPG	Atlantic City, N.J	299.8	6:45-12:00	3:15-11:00	6:45-12:15	6:45-12:00	Silent	6:45-12:00	6:45-12:00
WQJ	Chicago, Ill.	447.5	8:00- 4:00	8:00-11:00	Silent	8:00- 3:00	8:00- 3:00	8:00- 3:00	8:00- 3:00
WRC	Washington, D. C.	468.5	7:15-11:30	Silent	Silent	7:00-11:30	Silent	7:00-12:30	Silent
WREO	Lansing, Mich.	285.5	10:00-12:00	Silent	Silent	8:15-10:00	Silent	8:15-10:00	Silent
WRVA	Richmond, Va.	256	Silent	Silent	8:10-10:10	Silent	8:10-11:00	9:30-12:30	7:00-11:00
WRW	Tarrytown, N. Y.	273	9:00-11:30	8:00-11:30	9:00-11:30	9:00-11:30	9:00-11:30	9:00-11:30	9:00-11:30
WSAI	Cincinnati, O.	325.9	8:30- 2:00	4:00-11:15	11:00-12:00	8:00-11:00	8:00-12:15	8:00-11:00	Silent
WSB	Atlanta, Ga.	428.3	9:00- 1:00	8:30-10:15	9:00- 1:00	9:00- 1:00	11:45- 1:00	9:00- 1:00	9:00- 1:00
WSM	Nashville, Tenn.	282.8	7:30- 1:00	Silent	7:30-12:00	11:00- 1:00	7:30-12:00	Silent	7:30-12:00
WSMB	New Orleans, La.	319	9:30-11:30	Silent	9:30-12:30	Silent	9:30-11:30	9:30-12:00	Silent
WSUI	Iowa City, Ia.	483.6	Silent	10:15-10:45	8:30-10:00	Silent	Silent	Silent	Silent
WSWS	Chicago, Ill.	275.1	7:00- 2:00	Silent	7:00- 8:00	7:00- 2:00	7:00- 2:00	7:00- 2:00	7:00- 2:00
WTAG	Worcester, Mass.	268	Silent	4:00-10:15	7:00-11:00	7:45-11:00	7:45-11:00	8:00-11:00	8:00- 9:30
WTAM	Cleveland, O.	389.4	6:00-12:00	Silent	6:00-12:00	6:00- 7:00	6:00-12:00	6:00- 7:00	6:00- 7:00
WTIC	Hartford, Conn.	475.9	6:30-12:00	5:00-10:30	6:30-12:00	Silent	6:30-10:00	6:30- 7:30	6:30-12:00
WWJ	Detroit, Mich.	352.7	Silent	6:20-10:00	6:00- 9:00	6:00- 9:00	6:00-10:00	6:00-12:30	6:00-10:00

STATIONS IN ORDER OF WAVE LENGTHS

Meters	Call	Meters	Call	Meters	Call	Meters	Call	Meters	Call	Meters	Call
217.3	WOK	266	WGHB	293.9	KTBI	340.7	WMCA	394.5	WLIT	455	KTW
222	WCOA	268	WTAG	293.9	WEAO	344.6	WCBD	394.5	WOAI	461.3	WCAE
226	WBBM	270	WGHP	296.9	KPRC	344.6	WLS	399.8	WHAS	467	KFI
226	WIBO	272.6	WBBR	299.8	KUOA	348.6	KOB	399.8	WHT	468.5	WCAP
232.4	KFON	273	KWKH	299.8	KSL	348.6	KWSC	400	PWX	468.5	WRC
240	KFVE	272.6	WEBJ	299.8	WPG	348.6	WEEI	405.2	KHJ	475.9	WBAP
240	KTAB	272.6	WFBH	302.8	WGN	350	CZE	405.2	WOR	475.9	WTIC
240	WDBO	273	WRW	302.8	WLIB	352.7	WWJ	406	WBAR	475.9	WFAA
240	WOAX	275.1	WHAD	305.9	KTCL	356.9	CFCA	410.7	CKAC	480	CYL
244	WAMD	275.1	WHAR	305.9	WJAR	356.9	CKCL	416.4	WCCO	483.6	WOC
246	WBAL	275.1	WORD	309.1	KDKA	356.9	CKNC	421	KIAF	483.6	WSUI
250	KFXF	275.1	WSWS	315.6	KFDM	361.2	KGO	422.3	WLW	491.5	KGW
250	WGES	275.3	WJAS	315.6	KPSN	361.2	WHN	422.3	WKRC	491.5	WEAF
250	WMBB	278	KOIL	315.6	WAHG	365.6	WDAF	428.3	WSB	499.7	KFRU
252	KFWB	278	KWWG	315.6	WGBS	365.6	WHB	428.3	KPO	499.7	WMC
252	KMA	278	WCAU	319	WGR	370.2	WEBH	434.5	CNRO	508.2	KLX
252	WGCP	278	WGBU	319	WSMB	370.2	WJJD	434.5	CFCN	508.2	WIP
256	WRVA	278	WOQ	322.4	KOA	374.8	KTHS	434.5	NAA	508.2	WOO
258	WADC	280.2	KMOX	322.4	WJAZ	379.5	WGY	435	AT9	516.9	WCX
260.7	KFWA	280.2	WNAC	325.9	WSAI	379.5	WHAZ	440.9	KLDS	516.9	WJR
260.7	KFJF	282.8	WOAN	333.1	WBZ	384.4	CKY	440.9	WDWF	526	WHO
260.7	KWKH	282.8	WSM	336.9	KNX	384.4	KJR	440.9	WOS	526	WNYC
260.7	WMAZ	285.5	WKAR	336.9	KFMX	384.4	WMBF	447.5	WMAQ	526	WOAW
263	KFNF	285.5	WREO	336.9	WJAX	389.4	WEAR	447.5	WQJ	535.4	KYW
265.6	WMAK	288.3	KFKX	340.7	KFAB	389.4	WTAM	454.3	KFOA	545.1	KFUO
266	WBCN	288.3	WLWL	340.7	WKAQ	394.5	WFI	454.3	WJZ	545.1	KSD

SHORT WAVES
By Marcella

(Continued from page 11)

of my readers who wish to condole with Mr. Geise may address him care of the "Alimony Club," "Graystone" hotel, Illinois and N. Dearborn streets, Chicago.

P. S. Just heard an announcement from WWAE's Cook County jail pickup which states that "Mamma" Geise has collected her $375 and that our beloved Harry is free again. Tune in on Buenos Aires.

* *

Listen to this scorching letter from F. W. C., Providence, R. I.:

"Won't you please cut out the 'Marcella' stuff? Don't lower your columns to the level of movie magazines. What interest is it to know that XYZ has blue eyes, is married or single etc.? If we want b——, we can purchase the cheap movie sheets."

Now Frankie W. C., I want herewith and hereby to say that it's horrible of you to blaspheme my column that way. Frankly, Frankie, you wouldn't deny a poor working "goil" her only means of existence, would you? I didn't think you would, and as a reward, when you come to my office, or when I visit Providence, we two shall have a heart-to-heart chat, you old darling! Don't let your wife read this, though. Clip it out of the page and destroy it. For I know what she'll do to you. I was going to be a wife myself once, before I started on the downward path writing this awful "Marcella" column. Shades of prune juice!

* *

What deep secret would you like to know about your favorite broadcast star? Drop me a note, girls and boys, and I'll do by best to answer here. MARCELLA.

CONSERVES IN WINTER

(Continued from page 11)

tender. Remove the seeds and return the pulp to any juice that is left. Add oranges cut in small pieces. Add the peel cut in very thin strips or put through a food chopper. Cook until soft and juicy. Measure and add an equal amount of sugar. Cook to the jell test. Add lemon juice just before the mixture is done. Pour into sterilized glasses. When cold cover with hot paraffin. This amount will make eight glasses.

I hope you will try some of these combinations. Perhaps you will discover some new ones and pass them on to me. So many discoveries are made through accident or chance.

Jazz Wins Popular Vote

MINNEAPOLIS.—Jazz music scored a victory over classical music in a unique contest conducted by WAMD, here, when 12,663 fans voted for the popular brand of music against 4,680 for classical. In conducting the contest, only a piano was used. Leading exponents of both types of music appeared on half-hour programs over a period of several weeks.

CKY Clears Expenses

WINNIPEG, Man.—Manitoba's government-owned telephone and Radio systems have enjoyed a profitable year. The Radio branch, which operates CKY, is declared to be the only known station on the North American continent to have cleared expenses during 1925. CKY is the only station in Manitoba.

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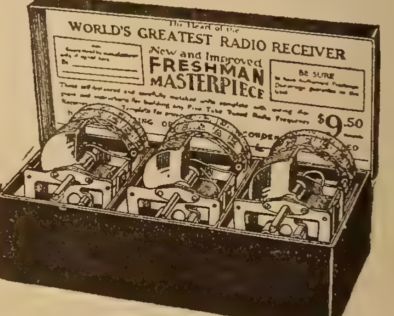

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ADVANCE PROGRAMS FOR THE WEEK

Saturday, March 6

Headliners Today

Eastern	Central	Mountain	Pacific
8:10 p. m.	7:10 p. m.	6:10 p. m.	5:10 p. m.

WEEI (384.6m-860kc) Boston Symphony.

8:15	7:15	6:15	5:15

WBZ (333.1m-900kc) Music school concert.
WGY (379.5m-790kc) International collegiate night.

8:30	7:30	6:30	5:30

KDKA (309.1m-970kc) Polyphonic choir.
WIP (508.2m-590kc) Bethlehem male chorus.

9	8	7	6

WLW (422.3m-710kc) Old fiddlers.
WSM (282.8m-1060kc) Barn dance program.

10	9	8	7

KTHS (374.8m-800kc) Big Four Hawaiian orchestra.
WEEI (348.6m-860kc) Lucerne girls' quintet.
WOC (483.6m-620kc) Dubuque university glee club.

10:30	9:30	8:30	7:30

WBAP (475.9m-630kc) Sunflower Girl.

11:45	10:45	9:45	8:45

WSB (428.3m-700kc) Hired Help Skylark.

12	11	10	9

KFNF (263m-1140kc) Old-time fiddling.
KPRC (296.9m-1010kc) The Phantoms.
WCAR (263m-1140kc) Cookcoo club.
WCOA (222m-1350kc) Frolic.

Saturday, silent night for: CFAC, CFCA, CNRA, CNRC, CNRE, CNRM, CNRR, CNRT, CNRV, CNRW, KFDM, KFKX, KFMX, KFRU, KFUO, KFXF, KLX, KMA, KOAC, KOB, KQP, KSAC, KSO, KTAB, KUOA, KWSC, WABQ, WBAL, WCX, WDOD, WEAO, WEBJ, WEBW, WGCP, WGHP, WGST, WHAD, WHAZ, WGR, WHN, WHO, WIP, WJAR, WJAZ, WKAQ, WKAR, WLIT, WLWL, WMAZ, WOAI, WOS, WRVA, WTAG, WTIC WWJ.

Eastern Time Stations

CHIC, Toronto, Can. (356.9m-840kc), 10:30 p. m., dance program, Al Linton's orchestra.
CKAC, Montreal, Can. (410.7m-730kc), 7:15 p. m., Windsor hotel dinner concert; 8:30, studio program; 10:30, Windsor hotel dance orchestra.
CKNC, Toronto, Can. (356.9m-840kc), 4 p. m., instrumental quintet; Elsie Addison, contralto; 8, Charles Bodley and his dance orchestra.
KDKA, Pittsburgh, Pa. (309.1m-970kc), 6:30 p. m., dinner concert; 8, program; 8:30, concert, Pittsburgh Polyphonic choir.
WAHG, Richmond Hill, N. Y. (315.6m-950kc), 12 noon, Joe Zimmerman, pianist; 12 midnight, novelty program.
WBBR, New York, N. Y. (273m-1100kc), 8 p. m., Dr. Hans Haag, violinist; 8:25, Fred Franz, tenor; 8:30, Dr. Hans Haag, violinist; 8:50, Fred Franz, tenor.
WBZ, Springfield, Mass. (333.1m-900kc), 7:45 p. m., Repertory theater concert orchestra; 8:15, concert.
WCAE, Pittsburgh, Pa. (461.3m-650kc), 1 p. m., Floridan's orchestra; 3, music, Nixon cafe; 6:30, dinner concert; 7:30, Sunshine Girl; 8:15, Youngstown artists.
WCOA, Pensacola, Fla. (222m-1350kc), 12 midnight, midnight frolic.
WCX, Detroit, Mich. (516.9m-580kc), 6 p. m., dinner program, Goldkette ensemble.
WDBO, Winter Park, Fla. (239.9m-1250kc), 7:45-9:30 p. m., Winter Park City band.
WEAF, New York, N. Y. (491.5m-610kc), 4 p. m., dance orchestra; 5, Vincent Lopez and his orchestra; 6, dinner music, Hotel Waldorf-Astoria; 6:45, musical comedy troupe; 7:15, "The Tempest," Shakespearean rour; 8:15, special musical program; 11-12 midnight, Vincent Lopez and his orchestra.
WEAR, Cleveland, Ohio (389.4m-770kc), 7 p. m., Hotel Statler concert orchestra; 8, WEAF; 9, WEAF; 12, Wormack's Singing Syncopators.
WEEI, Boston, Mass. (348.6m-860kc), 8:10 p. m., Boston symphony orchestra; 10, Lucerne girls quintet.
WFI, Philadelphia, Pa. (394.5m-760kc), 1 p. m., Tea Room ensemble; 3, Johnny Kraus' orchestra; 3, Chauncey Hassel, readings; 6:30, Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra; 8, reading, "The Olympians," Armory Hare; 8:45, WEAF.
WGBS, New York, N. Y. (315.6m-950kc), 1:30 p. m., Muriel Enzel, jazz pianist; Sidney Torson, baritone; Grace Liddone, soprano; 3-4, old-fashioned rescue meeting program; 7:30, Vanderbilt orchestra; 8:30, Clifford Cheasley, philosopher; 10, Emo's Movie broadcast; 10:30, Arrowhead Inn orchestra.
WGCP, New York, N. Y. (252m-1190kc), 8:30 p. m., Strickland's orchestra; 9, Bob McDonald, ukulele; 9:15, June Lee, singing vagabond; 9:30, Totman and Gallant, banjo duets; 9:45, Yama Yama boys; 10, program; 10:30, Strickland's orchestra.
WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., dinner program; 8:15, international intercollegiate night.
WHAR, Atlantic City, N. J. (275.1m-1090kc), 8 p. m., Seaside hotel trio; 11, Follies Bergere dance orchestra.
WIP, Philadelphia, Pa. (508.2m-590kc), 1 p. m., organ recital; 3, Saracen orchestra; 6:05, Benjamin Franklin concert orchestra; 8, sports corner, Dr. Francois D'Eliscu; 8:30, Bethlehem male chorus; 10:05, El Patio dance orchestra; 11:05, organ recital, Germantown theater.
WJAR, Providence, R. I. (305.9m-980kc), 1:05 p. m., Zikes Bon Ton orchestra.
WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Jean Goldkette's Petite symphony orchestra; soloists; 9, Jean Goldkette's serenaders; soloists; 10, Jean Goldkette's Victor Recording orchestra; 11:30, "The Merry Old Chief" and his "Jewett Radio Jesters."
WLIT, Philadelphia, Pa. (394.5m-760kc), 12:02 p. m., Stanley theater organ recital; Arcadia cafe concert orchestra; 2, Michey Guy and his Rose Tree Cafe orchestra; 4:30, Original Cotton Pickers dance orchestra; 7:30, Benjamin Franklin concert orchestra.
WMAK, Buffalo, N. Y. (266m-1130kc), 6:15-7:15 p. m., dinner music; 7:30-8:30, musical program; 8:30-9, musical program; 9-9:30, music; 9:30-10:30, musical program; 10:30, musical program.
WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Olcott Vail and his Hotel McAlpin string ensemble; 6:30, Woodmansten Inn orchestra; 7, Jack Denny's orchestra; 8, current events; 10:30, Norman Pearce, readings; 11, Ernie Golden and his Hotel McAlpin orchestra.
WNYC, New York, N. Y. (526m-570kc), 7 p. m., dance program; 7:35, dance music; 8, concert hour; 9, violin recital; 9:30, instrumental trio; 10:10, dramatic readings, Harriett Weems.
WOO, Philadelphia, Pa. (508.2m-590kc), 11 a. m., organ recital; 12:02 p. m., Crystal Tea Room orchestra, Robert E. Golden, director; 4:45, organ recital; 7:30, Adelphia hotel dance orchestra.
WOR, Newark, N. J. (405.2m-740kc), 2:30 p. m., Clara Higgins, pianist; 3, Clara Higgins; 3:15, Zit's Central Park Casino tea music; 6:30, Jacques Jacob's Hotel Shelton ensemble; 7:30, Vans Collegians; 9:15, LaForge-Berumen Saturday evening musicale; 10:15, Katinka orchestra.
WPG, Atlantic City, N. J. (299.8m-1000kc), 1:30 p. m., Hotel Morton luncheon music; 6:45, organ recital, Arthur Brook; 7, Hotel Morton dinner music; 8:15, studio program; 9, Hotel Ambassador concert orchestra; 9:30, Hotel Traymore dance orchestra; 10, Nick Nichols' dance orchestra; 11, Elks' Home dance orchestra.
WRC, Washington, D. C. (468.5m-640kc), 12 noon, organ recital; 1 p. m., Hamilton hotel orchestra; 7, Hotel Washington program; 9, musical program; 10:30, Meyer Davis' Le Paradis band.
WTAG, Worcester, Mass. (268m-1120kc), 10:30 a. m., musical program; 12:05-2 p. m., noon-day luncheon music; 3-5, Tea Dansant music.
WTAM, Cleveland, Ohio (389.5m-770kc), 12:15-1:30 p. m., Austin Wylie's Vocalion Recording orchestra; 6-7, Guy Lombardo and his Royal Canadians; 8-9, Hollenden hour; 9-12, Ev Jones and his gang.
WTIC, Hartford, Conn. (475.9m-630kc), 6:30 p. m., Skinny and his Gang; 6:50, Hotel Bond trio; 8, Sunday school period; 8:30, WEAF program; 10:30, dance music, Emil Heimberger's Hotel Bond orchestra.
WWJ, Detroit, Mich. (352.7m-850kc), 12:05 p. m., Jules Klein's Hotel Statler orchestra; 3, Detroit News orchestra.

Central Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., dinner concert; 8:30-10:30, out-of-town artists; 12-2 a. m., orchestra.
KFH, Wichita, Kans. (268m-1120kc), 10-11 p. m., J. O. Adams music company artist program; 11-12 midnight, dance music, Spanish room.
KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., concert; 11, old-time fiddling.
KFRU, Columbia, Mo. (499.7m-600kc), 4:30 p. m., Bella Vista orchestra.
KLDS, Independence, Mo. (441m-680kc), 8:30 p. m., Negro program, old Southern melodies, Negro spirituals; Vietta Garr, soprano; Maude Taylor, soprano; Clara B. Taylor, contralto and violinist; Lessie Tompkins, pianist.
KMA, Shenandoah, Iowa (252m-1190kc), 11:30-12:30 p. m., noonday rural program; music; How-Do-You-Do Boys; 6-7, popular music; 9-11, pipe organ recital, William Howie.
KPRC, Houston, Tex. (296.9m-1010kc), 5 p. m., Sylvan Beach dance orchestra; 8, Mrs. Alta Stone Shriner's organ recital; 8:30, Frank Tilton, blind wonder boy pianist; 11, The Phantoms.
KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., Grand Central theater; 8:30, St. Louis symphony orchestra.
KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9-9:30 p. m., Blake Big Four Hawaiian orchestra; 9:30-9:35, Phantom Voice; 9:35-10, Eastman hotel orchestra; 10-10:15, Lawson Reid, organist; 10:15-10:30, Elizabeth Bowe, pianist; 10:30-11:15, New Arlington hotel orchestra.
KYW, Chicago, Ill. (535.4m-560kc), 12:05-1 p. m., noonday concert; 1-2, luncheon concert, Congress hotel; 4, Saturday frolic; 6, dinner music; 7:30, homelovers' hour; 8:30, Congress classic; 11:30, Congress carnival; 1 a. m., Insomnia club.
WAMD, Minneapolis, Minn. (244m-1230kc), 6:15 p. m., George Osborn and his orchestra; 7:10, Harmony Twins; Ruth Hokans, contralto; 11:30, organ, Garrick theater.
WBAP, Fort Worth, Tex. (475.9m-630kc), 6-6:30 p. m., Chief Gonzales' Texas Hotel Royals; 7:30, Sunday school lesson; 9:30-11, Sunflower Girl; Hired Hands' Truth society.
WBBM, Chicago, Ill. (226m-1330kc), 4-6 p. m., Harry and Sandy; Valentino Inn orchestra; Court Banks; Johnny Black; Russell Meyers; Jack Pennewell and Freddy Palmiter; 8-9:30, Sandy and Harry; Moulin Rouge orchestra; William E. Anderson, steel guitarist; Sy Berg; Fred Jacobson; 11-2 a. m., Sunset quartet; Two Jays; Charlie Garland; Spencer, Lavergne and Shayne, zylophonists; Barber Shop Three; Jack Crawford's Alemite orchestra; Claire Matthews; Floyd Falch; Ariston trio.
WCAR, San Antonio, Tex. (263m-1140kc), 8-10 p. m., Don Felice's Palace theater orchestra; 11-12:30 a. m., Coocoo club.
WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 12:30 p. m., noon concert, Emmet Long's Golden Pheasant orchestra; 2:30, afternoon concert; 6:15, dinner concert, Biley's St. Paul hotel concert orchestra; 8:15, musical program; 10:05, dance program, Wesley Barlow's Nicollet hotel orchestra.
WFAA, Dallas, Tex. (475.9m-630kc), 12:30-1 p. m., Edmund F. Boettcher, tenor; Viola Cassidy, pianist; 4:30-5, Jack A. Davis, pianist; Jack Bell, tenor; 6:30-7:30, Baker hotel orchestra; 8:30-9:30, musicians, Durant; 11-12, Adolphus hotel junior ballroom.
WGN, Chicago, Ill. (302.8m-990kc), 11-11:30 a. m., morning organ concert, Chicago theater, Dean Fossler 12:40-2:30 p. m., luncheon concert music; 2::30-3, Lyon and Healy artist recital; 3:25, Port o' Missing Men; 3:30-4:15, tea time music; 4:30-5, syncopation matinee, Edward Benedict, organist; 6:30-6:45, dinner concert music; 6:45-7, old-time favorite songs; 8-9, musical program; 9-9:30, Whitlall Anglo-Persian orchestra; 10:10-10:15, old-time favorite songs; 10:15-10:30, play shop.
WHAS, Louisville, Ky. (399.8m-750kc), 1-2 p. m., concert; 3-3:30, Mrs. Myrtle Fulks Zahn, Jr., organist; 4-5, concert, Music Box Extension studio; 7:30-9, mixed vocal and instrumental concert, Arthur Findling, baritone.
WIBO, Chicago, Ill. (226m-1330kc), 2-4 p. m., Ted Florito, pianist; Dan Russo, violinist; Marie Tully, soprano; Wayne Meyers, reader; Irene Beasley, soprano; 6-8, Robert Weisling; Ruth Ford; Lenore Friedman, soprano; Pearl Holtaman, pianist; Walter Barnitz, tenor; Marie Wright, soprano; Frances Schieb, soprano; S. Leonard, baritone.
WJAZ, Chicago, Ill. (322.4m-930kc), 9-2 a. m., continuous dance program.
WJJD, Mooseheart, Ill. (370.2m-810kc), 12-1 p. m., Palmer House symphonic players; Palmer House trio; 2-3, Howard L. Peterson, organist; 4-5, Palmer House quintet; 5:30-7, dinner hour; 8-9, Palmer House Victorians; 10-11, Palmer House Victorians; 12-1 a. m., Palmer House Victorians; Jack Nelson.
WKAF, Milwaukee, Wis. (261m-1150kc), 10-11 p. m., Trixie Ann Troy's Royal Hawaiians; Hi Coleman's orchestra.
WKRC, Cincinnati, Ohio (325.9m-920kc), 10 p. m., Marion McKay and his orchestra; 11, Marie Turner, blues singer; 11:15, Marion McKay and his dance orchestra.
WLS, Chicago, Ill. (344.6m-870kc), 12-12:25 p. m., dinnerbell program; Doris Wittich, pianist; 7, Ford and Glenn; 7:20-12, WLS revue.
WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., organ concert, Johanna Grosse; 7:40, meeting, Secretary Hawkins' Radio club; 8, old fiddlers, Elsa Stone and His Harry Hollow entertainers; 9, dance program, Castle Farm.
WMAQ, Chicago, Ill. (447.5m-670kc), 5:15 p. m., Topsy Turvy time; 6, Chicago theater organ; 6:30, Northwestern R.R. band; 8, Daw and Pratt; 9, Balaban and Katz Chicago theater revue.
WMBB, Chicago, Ill. (250m-1200kc), 7-8 p. m., Trianon duo; Vella Cook, contralto; Rosalind Wallach, violinist; Edwin House, baritone; Preston Graves, pianist; 9-11, Trianon orchestra; Woodlawn theater orchestra.
WOAW, Omaha, Nebr. (526m-570kc), 5:30 p. m., Manna Kea trio; 6, Kalico Kids; 6:15, Herb Feierman's orchestra; 9, 2nd Episode, "A Step On the Stairs"; 10:30, Nightingale orchestra; 11, Arthur Hays, organist.
WOC, Davenport, Iowa (483.6m-620kc), 5:45-6 p. m., chimes concert; 9-10, musical program; 11-12 midnight, orchestra program, Le Claire hotel orchestra.
WORD, Batavia, Ill. (275m-1090kc), 7 p. m., Webster hotel program; trio and solo artists; 9-10, musical program.
WQJ, Chicago, Ill. (447.5m-670kc), 3-4 p. m., Koffee Klatsch, feature; Jerry Sullivan, percolator; Rose Vanderbosch, soprano and pianist; Hal Lansing and his uke; 7-8, Jack Chapman and his Rainbo Gardens orchestra; Herman Techentine and his artists; 10-3 a. m., Jack Chapman and his Rainbo Gardens Skylarks; Ambrose Wyrick, silver-toned tenor; Jerry Sullivan, Rose Vanderbosch; Hal Lansing and his uke; Everett George Opie, character reader; Clarence Theders, tenor; Joe Warner, character songs; Oxford Girls, harmony singers; West Brothers, Hawaiian guitarists.
WSAI, Cincinnati, Ohio (325.9m-920kc), 7:30 p. m., WEAF program; 9:30, Bicycle Playing Card sextet; 12, Freda Sanker's orchestra.
WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., Atlanta Atwater Kent hour; 10:45, hired help skylark.
WSM, Nashville, Tenn. (282.8m-1060kc), 6:30 p. m., Francis Craig's orchestra; 8, barn dance program; other features.
WSMB, New Orleans, La. (319m-940kc), 9:30 p. m., Strand theater orchestra, artists.
WSUI, Iowa City, Iowa (483.6m-620kc), 7:30 p. m., O. J. Jerde, tenor; Mildred Smith, pianist.

Mountain Time Stations

KFAU, Boise, Idaho (280.2m-1070kc), 8 p. m., musicale.
KFWA, Ogden, Utah (261m-1150kc), 4-5 p. m., organ recital; 5-6, Ogden Radio dealers' program; 9-10:30, music; 10:30-12 midnight, dance music, Olie Reeves and his orchestra.
KFXF, Colorado Springs, Colo. (250m-1200kc), 8:30-10:30 p. m., dance music, Rosemary Gardens.
KOA, Denver, Colo. (322.4m-930kc), 12:15 p. m., Marjorie Nash, organist; 9, Harmony Peerless orchestra; 10:30, Scheuerman's Colorado orchestra.

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 5:30-6 p. m., Guzman trio; 6, Nightly Doings; 6:15, KFI's Seeing California; 6:30, vest pocket program; 6:45, Radiotorial period; 7-8, Norman Kobler's orchestra; 8-9, Virginia Flohri, soprano; 9-10, Paul Roberts, pianist and Thomas Wade, baritone; 10-11, Packard Radio club featuring popular songs; 11-3 a. m., KFI Midnight frolic, Don Meany, master of ceremonies.
KFOA, Seattle, Wash. (454.3m-660kc), 9:30-11 p. m., Jackie Souders' Club Lido serenaders.
KFON, Long Beach, Calif. (232.4m-1290kc), 6-6:30 p. m., Brayton's theater organ; 7-8, Investor's hour; 8-9, Press-Telegram studio; 9-11, KFON artists' frolic.
KFWB, Hollywood, Calif. (252m-1190kc), 8-9 p. m., varied program, Bob Morhardt and Alex Squadrillo; Dan Gridley, tenor; Lyric string trio; 9-11, program, Reeve-Gartzmann, Inc., with Oakland Six dance orchestra, Len Nash, leader.
KGO, Oakland, Calif. (361.2m-830kc), 8:45 a. m., William H. Hancock, songs; 4-5:30 p. m., concert orchestra, Hotel St. Francis; 8:10, Brick Morse Collegians; Salon string ensemble; 10-12, Girvin-Deucl's California Collegians.
KGW, Portland, Ore. (491.5m-610kc), 12:30-1:30 p. m., concert; 6-7, concert; 9-12 midnight, dance music; Curt Kremer, pianist.
KHJ, Los Angeles, Calif. (405.2m-740kc), 6-7:30 p. m., children's hour, Dolly Wright, Nona Clapp, David Durand and Uncle John; 8-10, program, Motor Transit company with Uncle Remus as the porter.
KJR, Seattle, Wash. (384.4m-780kc), 1:30-3 p. m., daily matinee program; 8:30-10, studio program.
KMTR, Hollywood, Calif. (238m-1260kc), 6-7 p. m., Starr Piano company studio; 8-10, KMTR concert orchestra, Loren Powell, directing.
KNX, Hollywood, Calif. (336.9m-890kc), 5:30 p. m., Leighton's orchestra; 6:30-7, Atwater Kent concert orchestra; 7:15, church announcements; 7:30-8, popular song program; 8-10, KNX feature program; 10-11, Cocoanut Grove dance orchestra from the Ambassador; 11-2 a. m., Filmland frolic.
KPO, San Francisco, Calif. (428.3m-700kc), 1-2 p. m., Rudy Seiger's Fairmont hotel orchestra; 2:30-3:30, matinee program; 3:30-5:30, Cyrus Trobbe's Palace hotel concert orchestra; 6:35-7:30, Waldemar Lind and the States Restaurant orchestra; 8-12, Fairmont hotel dance orchestra; Maurice Gunsky, tenor; Merton Bories, pianist.
KPSN, Pasadena, Calif. (315.6m-950kc), 8-9 p. m., Star-News concert; 9-10, dance orchestra.
KTAB, Oakland, Calif. (240m-1250kc), 9-9:30 a. m., prayer service; 12-1 p. m., luncheon concert.

Schedule for
"a Step On the Stairs"
Broadcast as a Play

ROBERT J. CASEY'S thrilling mystery story appearing exclusively in Radio Digest and dramatized as a Radio play by Fred Smith, pioneer in this field, is being broadcast from the following important and leading stations covering the United States from coast to coast and from Canada to Mexico.

The schedule, where known at the time of going to press, is given. Stations whose time of giving the play is yet unknown, are announcing this feature over their microphones.

WHERE AND WHEN TO DIAL

WOC, Davenport, Palmer School of Chiropractic. Second episode at 10:30 p. m., Central time, on Friday, March 5. Third episode same time March 12. Dial 483.6 meters or 620 kilocycles.

WOAW, Omaha, Woodmen of the World. Second episode at 9 p. m., Central time, on Saturday, March 6. Dial 526 meters or 570 kilocycles.

KGO, Oakland, Calif., General Electric company. Second episode at 9:45 p. m., Pacific time, on Saturday, March 6. Dial 361.2 meters or 830 kilocycles.

KOA, Denver, General Electric company. Second episode at 9:30 p. m., Mountain time, on Monday, March 8. Dial 322.4 meters or 930 kilocycles.

WCCO, Minneapolis-St. Paul, Gold Medal station. Second episode at 10:05 p. m., Central time, on Tuesday, March 9. Dial 416.4 meters or 720 kilocycles.

WGY, Schenectady, General Electric company. First and second episodes at 8:15 p. m., Eastern time, on Friday, March 5. Third episode same time March 12. Dial 379.5 meters or 790 kilocycles.

WMAQ, Chicago, Chicago Daily News. First and second episodes at 9 p. m., Central time, on Wednesday, March 10. Dial 447.5 meters or 670 kilocycles.

WNAC, Boston, Shepard Stores. Second episode at 9 p. m., Eastern time, on Thursday, March 4. Third episode at same time March 11. Dial 280.2 meters or 1070 kilocycles.

WEAN, Providence, R. I., Shepard Stores. Play broadcast by direct wire from WNAC, Boston, on same schedule as WNAC therefore. Dial 270.1 meters or 1110 kilocycles.

WHO, Des Moines, Bankers Life Insurance company. Second episode at 2:30 p. m., Central time, on Monday, March 8. Dial 526 meters or 570 kilocycles.

WRC, Washington, Radio Corporation of America. Time of producing first episode to be announced over the air. Dial 468.5 meters or 640 kilocycles.

WLW, Cincinnati, Crosley Radio corporation. First episode at 9:30 p. m., Central time, on Wednesday, March 3. Second episode at 8:30 p. m., Central time, on March 6. Dial 422.3 meters or 710 kilocycles.

WSB, Atlanta, the Atlanta Journal. Dial 428.3 meters or 700 kilocycles. Schedule to be announced over air.

WOR, Newark, N. J., L. Bamberger & Co. Dial 405.2 meters or 740 kilocycles. Schedule to be announced over air.

WHAR, Atlantic City, N. J. The Seaside House. Dial 275 meters or 1090 kilocycles. Schedule to be announced over air.

KGW, Portland, Ore., the Portland Oregonian. Dial 491.5 meters or 610 kilocycles. Schedule to be announced over air.

KTHS, Hot Springs National Park, Ark., the New Arlington hotel. Dial 374.8 meters or 800 kilocycles. Schedule to be announced over air.

WBAP, Fort Worth, Texas, the Star-Telegram. Dial 475.9 meters or 630 kilocycles. Beginning in April. Schedule to be announced.

EPISODE TWO
THE SETTING

THE second episode takes place in the same setting as the first—the high-beamed hunt-room of the Turner manse. Following the indicated opening of the awful and symbolic front door, through which no Turners have passed except in death, and the fight in the broadcasting station which was heard over the Turner receiver, pandemonium is king. Ghostly shrieks rent the darkness. Cries of terror-crazed women and the futile cursing of men are heard, with the crashing of overturned furniture and the vain beating of fists against the heavy oak panels of the doors of the locked room—the room that has been the scene of strange and mysterious crimes.

THE CAST

Frederick Ardwyn.....Peleg Turner's lawyer
Aunt Helen Holmes.....A relative
Mr. Tolliver.....A youth and relative
Henry Graves.....A mysterious man Mary had known formerly
Hazel Stanton.....A young lady relative
Hari Singh.....Indian servant of Peleg Turner
Mary Williams.....A youthful guest

JOSEF HOFFMAN OVER WEAF CHAIN

Sunday, March 7

Headliners Today

Eastern	Central	Mountain	Pacific
5 p. m.	4 p. m.	3 p. m.	2 p. m.

WTIC (475.9m-630kc) Organ recital.
5:30 4:30 3:30 2:30
WEEI (348.6m-860kc) Grigorieff chorus.
6 5 4 3
KGO (361.2m-830kc) Grieg music.
WBZ (333.1m-900kc) Golden hour of music.
8 7 6 5
WJZ (454.3m-660kc) Bakelite hour.
WHO (526m-570kc) Bankers Life trio.
9 8 7 6
WTIC (475.9m-630kc) Colt's band concert.
9:15 8:15 7:15 6:15
WEAF (491.5m-610kc), WEEI, WCAP, WOO, WJAR, WGR, WCAE, WSAI, WWJ, WOC, WCCO, WGN, WEAR, KSD, WTAG, Atwater Kent program.
10 9 8 7
KTHS (374.8m-800kc) Classic hour.
10:30 9:30 8:30 7:30
KPRC (296.9m-1010kc) Paramount Five.
12:30 a. m. 11:30 10:30 9:30
KTHS (374.8m-800kc) Special organ concert.

Sunday, silent night for: CFAC, CHIC, CKNC, CNRA, CNRC, CNRE, CNRM, CNRO, CNRR, CNRT, CNRV, CNRW, KFAB, KFAU, KFKX, KFKU, KFOA, KFVE, KFWA, KFXF, KLX, KMA, KMTR, KOAC, KOB, KOWW, KSAC, KSO, KWSC, PWX, WABQ, WAHG, WCAD, WCAR, WDAF, WDBO, WEAO, WEBJ, WEBW, WFI, WGES, WGHB, WGHP, WGST, WHAD, WHAS, WHAZ, WIP, WJAZ, WJJD, WJR, WKAF, WKAQ, WKAR, WMAQ, WMAZ, WMC, WNYC, WOI, WRC, WRVA, WSB, WTAM.

Eastern Time Stations

CFCA, Toronto, Can. (356.9m-840kc), 11 a. m., St. Michael's cathedral; 7 p. m., Walmer Road Baptist church.

CKAC, Montreal, Can. (410.7m-730kc), 2:45 p. m., Jerry Shea and his Capitol theater symphony; organ specialties, Buddy Payne; vocal and instrumental solos.

KDKA, Pittsburgh, Pa. (309.1m-970kc), 11 a. m., church services; 4 p. m., Dr. Charles Heinroth, organist; 4:45, Shadyside Presbyterian church; 6:30, dinner concert; 7:15, chimes; 7:45, church services.

WBAL, Baltimore, Md. (246m-1220kc), 6:30-7:30 p. m., WBAL concert orchestra; Jules Sims, cellist.

WBBR, New York, N. Y. (273m-1100kc), 10 a. m., Watchtower string trio; 10:15, Sunday school lesson; 10:35, Fred Franz, tenor; 10:45, Watchtower string trio; 10:50, I. B. S. A. choral singers; 11, Bible lecture; 11:30, I. B. S. A. choral singers; 2 p. m., Watchtower orchestra; 2:20, Fred Franz, tenor; 2:30, Bible instruction; 2:45, Fred Franz, tenor; 3, Bible lecture; 3:30, Fred Franz, tenor; 3:40, Watchtower orchestra; 9, Watchtower violin choir; 9:15, Bible questions and answers; 10, Watchtower string quartet.

WBZ, Springfield, Mass. (333.1m-900kc), 10:50 a. m., South Congregational church; Prof. Wilson P. Moog, organist; 6, music hour; 7, Sunday evening concert, Copley Plaza orchestra; 7:30, orchestra of 55 pieces.

WCAE, Pittsburgh, Pa. (461.3m-650kc), 4 p. m., WEAF program; 6:30, dinner concert, William Penn hotel; 7:20, WEAF program; 9:15, WEAF program.

WCAP, Washington, D. C. (468.5m-640kc), 11 a. m., Memorial United Presbyterian church; 4 p. m., Bethlehem chapel; 6:20-7:20, vesper string ensemble; 7:20-9:15, Capitol theater; 9:15-10:15, WEAF.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 5 p. m., recital; 5:15, undenominational church services; 5:35, address, Rev. John W. Stockwell; 6:45, Clarence Seamon and his Hotel Pennsylvania concert orchestra; 7:45, Cathay concert orchestra; 8:30, Bonwit-Teller Light Opera company; Potash and Perlmutter; 10, program of popular music.

WCX, Detroit, Mich. (516.9m-580kc), 7:15 p. m., Central Methodist Episcopal church; Guy C. Filkins, organist.

WDBO, Winter Park, Fla. (239.9m-1250kc), 11 a. m., church service; 5-6 p. m., vesper service; 8, church.

WEAF, New York, N. Y. (491.5m-610kc), 2-3 p. m., Sunday services, Greater New York Federation of Churches; quartet; 3-4, Young People's Conference; 4-5:30, Men's Conference, address, Dr. S. Parkes Cadman. WEEI, WTAG, WCAE, WSAI; Gloria Trumpeters, George Betts, chime soloist; Mr. and Mrs. Howard Kimsey, baritone and accompanist; 5:30, Carolina Singers, 6, George Barrere's Little symphony orchestra, WJAR, WGN; 7, Chamber musicale, WJAR, WGN; 7:20-9:15, musical program, Major Edward Bowes and the "Capitol Family," orchestra, artists, WEEI, WCAP, WJAR, WTAG, WWJ, WCAE; 9:15-10:15, Atwater Kent hour, Josef Hoffman and Elizabeth Day, soprano, WEEI, WCAP, WJAR, WGR, WCAE, WSAI, WWJ, WOC, WCCO, WGN, WEAR, KSD, WTAG, WOO.

WEAR, Cleveland, Ohio (389.4m-770kc), 3:30 p. m., Goodyear concert orchestra; 7, Lowe's theater orchestra, 7:15, fireside hour; 8:30, Vincent Percy, organist; 9:15, WEAF.

WEEI, Boston, Mass. (348.6m-860kc), 3 p. m., chamber of commerce organ recital; 5:30, Grigorieff chorus, 7:20, WEAF; 9:15, WEAF.

Josef Hoffman, above, one of the best known of American pianists, will be the guest artist to broadcast Sunday during the Atwater Kent hour over the WEAF chain. To the left is a pleasing young pianist, Louise Acherman, who plays frequently at WEAO, Columbus.

WFI, Philadelphia, Pa. (394.5m-760kc), 10:20 a. m., services, Arch Street Presbyterian church; 4:30 p. m., religious talk from Y. M. C. A.

WGBS, New York, N. Y. (315.6m-950kc), 3:30 p. m., Crystal Palace orchestra; 9:30-10:30, Birchman symphony dance orchestra.

WGCP, New York, N. Y. (252m-1190kc), 3 p. m., Olympic dance orchestra; 3:30, Ernest Lamoureoux, baritone; 3:45, Isabelle Henderson, soprano; 4, Leslie McLeod, tenor; 4:15, Le Moine dance orchestra; 4:45, Edgar Duffy, baritone; 5, orchestra.

WGY, Schenectady, N. Y. (379.5m-790kc), 10:30 a. m., Albany Street M. E. church; 3 p. m., WFBL; 5, Dr. Frank Sill Rogers, organist; 7:30, Albany St. M. E. church; 9, WJZ; 10, "The Princess Flavia," WJZ.

WHAR, Atlantic City, N. J. (275.1m-1090kc), 10:45 a. m., Chelsea Baptist church; 2:15 p. m., Seaside hotel trio; 7:30, Chelsea Baptist church; 9, Seaside hotel quartet.

WHN, New York, N. Y. (361.2m-830kc), 11:30-12:30 p. m., Calvary morning services; 12:30-1, Lexington organ recital; 2-3, Queens county Christian Endeavor program; 3-4, Radio Bible class; 5-5:30, Roseland dance orchestra; 6-7, People's hour; 7:30-9:45, Calvary evening services; 10:15-10:45, Anatol Friedland; 10:45-11:15, Janssen's Hofbrau orchestra; 11:30-12 midnight, Twin Oaks orchestra; 12-12:30 a. m., Harry Richman and his entertainers.

WIP, Philadelphia, Pa. (508.2m-590kc), 10:45 a. m., morning services, Holy Trinity church; 4 p. m., religious talk, J. C. Mace.

WJZ, New York, N. Y. (454.3m-660kc), 11 a. m., West End Presbyterian church; 2:30 p. m., Sunday Radio forum; 4, St. George's vesper service; 7, Waldorf-Astoria concert orchestra; 8, Bakelite hour; 9, Hotel Commodore concert orchestra; 10, Godfrey Ludlow, violinist.

WLIT, Philadelphia, Pa. (394.5m-760kc), 2:30 p. m., Arcadia cafe concert orchestra; 7, Benjamin Franklin concert orchestra; 7:30, Benjamin Franklin organ recital.

WLWL, New York, N. Y. (288.3m-1040kc), 8 p. m., Paulist choristers; sermon, Rev. Peter E. Holy.

WMAK, Buffalo, N. Y. (266m-1130kc), 10:25 a. m., First Presbyterian church; 7:30 p. m., Churchill tabernacle.

WMCA, New York, N. Y. (340.7m-880kc), 11 a. m., services from Second Church of Christ, Scientist; 3 p. m., Minot Simons, D. D. "What to Think in Religion," All Souls church; 3:30, Donald Flamm's frolickers; 5:45, Halpert & Fryxell entertainers; 6, Roemer's Homers; 7, Ernie Golden and his Hotel McAlpin orchestra; 7:30, Olcott Vail and his Hotel McAlpin string ensemble; 8:45, Mayolians; 11, Jack Denny's orchestra; 13 midnight, McAlpin entertainers.

WNYC, New York, N. Y. (526m-570kc), 8-10:45 p. m., concert, Brooklyn Jewish Center.

WOO, Philadelphia, Pa. (508.2m-590kc), 2 p. m., Sunday school exercises, Bethany Presbyterian church; 6, organ recital; 7:30, services, Bethany Presbyterian church; 9:15, Atwater Kent hour of music.

WPG, Atlantic City, N. J. (299.8m-1000kc), 3:15 p. m., organ recital, Arthur Brook; 4:15, community vocal and instrumental recital, St. James' Episcopal church; 9:15, Hotel Ambassador concert orchestra; 10, organ recital, Arthur Brook.

WTAG, Worcester, Mass. (268m-1120kc), 4-5:30 p. m., music, Gloria Trumpeters and George Betts, chime soloist, and Mr. and Mrs. Howard Wade Kimsey, baritone and accompanist; 7:20-9:15, musical program, Major Edward Bowes; 9:15-10:15, WEAF.

WTIC, Hartford, Conn. (475.9m-630kc), 5 p. m., Prof. Harry B. Jepson, organist; 9, concert, Colt's band.

WWJ, Detroit, Mich. (352.7m-850kc), 11 a. m., St. Paul's Episcopal cathedral; 2 p. m., Detroit News orchestra; 4, organ recital; 7:20, WEAF program; 9:15, operatic stars.

Central Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 4-5 p. m., vespers; 9-11, musicale.

KFDM, Beaumont, Tex. (315.6m-950kc), 11 a. m., First Christian church; 7:30 p. m., First Christian church.

KFH, Wichita, Kans. (268m-1120kc), 9:45 a. m., Mens Brotherhood Bible class; 10-11 p. m., Coleman string quartet; Dorothy Crewe, soprano and Elmer Wiley, tenor; soloists; 12:15-1:15 a. m., Harry Hunts Imperial orchestra.

KFNF, Shenandoah, Iowa (263m-1140kc), 10:45 a. m., First M. E. church; 2:30 p. m., Golden Rule song service; 6:30, regular services; 7:30, Christian church.

KFRU, Columbia, Mo. (499.7m-600kc), 7:30 a. m., sunrise service, Nellie Lee Holt; 9:20, Burrall Bible class, Jessie Burrall; 7:30 p. m., First Baptist church.

KLDS, Independence, Mo. (441m-680kc), 11 a. m., services; Minute Mothers' quartet; Irene Burroughs, violinist; sermon, U. Green; 3 p. m., sacred program, First Christian church of Independence; 6:30, vesper service, quartet; Lilly Belle Allen, soprano; Mrs. Arthur Daniels, contralto; Elbert Dempsey, tenor; Dr. Frank Criley, bass; Wesley Brocaw, saxophonist; U. Green; Margaret Armstrong, soprano; Robert Millers, organist; sermon, Dr. Frederick Smith.

KMA, Shenandoah, Iowa (252m-1190kc), 12:15-1:15 p. m., sacred songs; 4, church choir music; 5, Bible class.

KPRC, Houston, Tex. (296.9m-1010kc), 10:45 a. m., South End Christian church; Mrs. W. R. Shriner, Jr., organist; 7:50 p. m., First Church of Christ, Scientist; Mrs. Vivian G. Buchanan, organist; 9:30, Paramount Five, quartet and accompanist.

KSD, St. Louis, Mo. (545.1m-550kc), 6:15 p. m., Post-Dispatch concert orchestra; 8:15, Atwater Kent Radio hour.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 11 a. m., First Baptist church; 9-10 p. m., New Arlington hotel grand ensemble; W. C. Brown, baritone; 10-11:30, Arkansas Traveler Limited; 11:30-12:30 a. m., Lawson Reid, organist.

KUOA, Fayetteville, Ark. (299.8m-1000kc), 7:30 p. m., services, First Christian church.

KYW, Chicago, Ill. (535.4m-560kc), 11 a. m., Central church; 2:30 p. m., chapel service; 4:30, concert; Apollo quartet; 7, Chicago Sunday Evening club.

WAMD, Minneapolis, Minn. (244m-1230kc), 10:30 a. m., First Unitarian church; 3 p. m., band concert; 6:15, George Osborn and his orchestra; 6:45, Arthur H. Faust, Leome Faust, WAMD Radio Stock company; 9:30, Gayle Wood, harmony hurricane.

WBAP, Fort Worth, Tex. (475.9m-630kc), 11 a. m., First Presbyterian church; 5-6 p. m., sacred music, Baptist seminary; 9:30-11, Texas hotel orchestra.

WBBM, Chicago, Ill. (226m-1330kc), 12:30-2 p. m., classical program; William P. Zimmer, tenor; Harold Morava, lyric tenor; Kantor A. Kritz; Sandy Meek and Harry Sosnik; Edna Wheeler Ballard, harpist; Little Caruso and the Moulin Rouge quartet; 4-6, Spencer, Lavergne and Shayne, xylophone; Tip trio; Jack Crawford's Alemite orchestra; Barber Shop Three; Ziegler sisters; Two Jays; Harold Anderson; Charlie Garland; Rudy Winter; Floyd Falch; 8-10, Jack Crawford's orchestra; WBBM quartet; Maurice Silverman; Pauline Stiffler Atlass, violinist; Rudy Winter; Floyd Falch; 12-2 a. m., Nutty Club; Moulin Rouge orchestra.

WCAL, Northfield, Minn. (336.9m-890kc), 8:30 a. m., Norwegian church services, Dr. Martin Hegland; 9:15 p. m., evening services; Gertrude Boe Overby, soloist.

WCBD, Zion, Ill. (344.6m-870kc), 8 p. m., male chorus, celestial bells; Carey Sisters, duetists; violin duets, Mr. and Mrs. Richard Hire; L. J. Hire, violaist; Beulah Mitchell, soprano; G. R. Sparrow, contralto; Alexander De Pew, flutist; Wesley Carey, reader.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 10:50 a. m., Plymouth Congregational church; 3 p. m., Bible study, Lutheran Bible institute; 4:10, House of Hope Presbyterian church; 6:20, Second Church of Christ; 8:15, WEAF.

WDAP, Kansas City, Mo. (365.6m-820kc), 3-4 p. m., program, Kansas City university; 4-4:45, Sabbath vespers.

WFAA, Dallas, Tex. (475.9m-630kc), 6-7 p. m., Bible class; 7:30-8:30, First Baptist church; 8:30-9:30, William B. Muse, tenor; 11-12, Ligon Smith and his orchestra.

WGN, Chicago, Ill. (302.8m-990kc), 11:45-12:45 p. m., Sunday noon musical hour, Chicago theater; 12:45-1:45 Chicago theater complete performance; 2-3, Edwin Stanley Seder's organ concert; 3-4, concert, Chicago Philharmonic orchestra; 4-5, musical program; 5-5:15, old-time favorite songs; 7-7:30, musical program; 7:30-7:45, old-time favorite songs; 7:45-8:15, musical program; 9:15-10, musical program.

WHAS, Louisville, Ky. (399.8m-750kc), 9:57 a. m., organ prelude; 10, Fourth Avenue Presbyterian church; choir music; Esther Metz, soprano; Mrs. Virginia Sheafer Herrick, contralto; Williams Layne Vick, tenor; William G. Meyer, baritone; 4:30-5:30, Christ Church Cathedral evensong choral service; Ernest Arthur Simon, organist; boys' choir.

WHB, Kansas City, Mo. (365.6m-820kc), 9:40 a. m., Linwood Boulevard Christian church; 11:15-12:30 p. m., Independence Boulevard Christian church; 8-9:15, church service; 11:15-1 a. m., Linwood theater Radio feature; Morrill Moore, organist; Don Anchors, poet.

WHO, Des Moines, Iowa (526m-570kc), 11 a. m., University church service; 7:30-8:15 p. m., Bankers Life trio; Myrtle Williams, soprano; Stewart Watson, baritone; 11-12, Bankers Life little symphony orchestra.

WIBO, Chicago, Ill. (266m-1330kc), 2-4 p. m., Mr. Bute and quartet; Chester Newman, baritone; Bernice Taylor, soprano; Charlotte Edwards, contralto; 6-8, Helen Snyder, soprano; Earl Rigelow, pianist; Henry Corbin, baritone; Fred Noble, cornetist; Laura Remer, contralto; 6, string trio; 10-12, Elsie Orr, soprano; Walter Preston, tenor; Eugene Wallenius, baritone; Marie Tully, soprano; Irene Beasley, soprano; string trio.

WJAZ, Chicago, Ill. (322.4m-930kc), 7-9 p. m., musical program.

WJJD, Mooseheart, Ill. (370.2m-810kc), 7:45 a. m., Catholic services; 9:40-10:30, Protestant services; 3-4 p. m., Mooseheart Sunday concert.

WKAF, Milwaukee, Wis. (261m-1150kc), 4-6 p. m., Jean Hammond and her Tune Tinkers; Diefenthaeler program.

WKRC, Cincinnati, Ohio (325.9m-920kc), 6:45 p. m., church service; 10, Kodel classical program, vocal and instrumental numbers; 11:15, Marion McKay and orchestra.

WLIB, Chicago, Ill. (302.8m-990kc), 5-7 p. m., musical program.

WLS, Chicago, Ill. (344.6m-870kc), 6 p. m., prelude; 6:30-7:55, Little Brown Church in the Vale; Ralph Emerson, organist; WLS trio.

WLW, Cincinnati, Ohio (422.3m-710kc), 9:30 a. m., Sunday school, Methodist Book concern; 11, Presbyterian church; 4 p. m., organ recital, Cyril Buschle; 7:30, Presbyterian church; 8:30, H. & S. Pogue company orchestra.

Atwater Kent Program, March 7, over WEAF and Chain*

Artists will be Josef Hoffman, pianist, and Elizabeth Day, soprano.

I.

"My Mother Bids Me Bind My Hair".....Haydn
"May Day Carol".....Deems Taylor
"Brown Bird Singing".....Hayden Wood
"By the Waters of Minnetonka".....Lieurance
"Believe Me If All Those Endearing Young Charms".....Old Irish
"Old Black Joe".....Foster

Elizabeth Day

II.

"Ballad in G Minor".....Chopin
"Minuet Waltz".....Chopin
"Prelude in C Sharp Minor".....Rachmaninoff
"Melody in F".....Rubenstein
"Caprice Espagnole".....Moszkowski

Josef Hoffman

*The WEAF chain for the Atwater Kent hour (9:15 p. m. Eastern, 8:15 p. m. Central time) includes WEAF, WOO, WGR, WCAE, WCAP, WJAR, WTAG, WGN, KSD, WCCO, WOC, WSAI, WEAR, WEEI, WWJ.

FROLIC WITH COOKCOO CLUB AT WCAR

Sunday, March 7

WMBB, Chicago, Ill. (250m-1200kc), 3-5 p. m., Trianon orchestra; Woodlawn theater orchestra; Lucile O'Hara, soprano; Tommie Hughes, tenor; Bob Duffy, baritone; 7:40-9, Fifth Church of Christ, Scientist; 9-11, Trianon orchestra; Woodlawn theater orchestra; Scotty Welsh and Madison Sisters, "The Golden Harmony Trio"; Billie Allen Hoff, blues singer; Maxwell Treharne, tenor.

WOAW, Omaha, Nebr. (526m-570kc), 9 a. m., chapel service; 1:30 p. m., matinee; 6, Bible study period, Mrs. Carl R. Gray.

WOI, Ames, Iowa (270m-1110kc), 10:45 a. m., college chimes; 11, chapel services.

WORD, Batavia, Ill. (275m-1090kc), 10 a. m., services; 2:30 p. m., program, Rapid Transit company; 3:30, Bible lecture; 7, Webster hotel concert trio; 7:15-8, evensong; 9, Webster trio; 9:15-10:30, services.

WQJ, Chicago, Ill. (447.5m-670kc), 9:30-11:30 a. m., sermon and services, People's church, Dr. Preston Bradley; choir; Clarence Eddy, organist; 3-4 p. m., concert, Jerry Sullivan; Resurrection church choir; Lenten music; Helen Morris, Loretta Crusman, Rachael Ryan, sopranos; Mrs. Elmer Roe, Katherine Gray, contraltos; Placide Proteau, Horian Desmarias, John McDonough, tenors; Peter Mathews, basso; Margaret McDevitt, accompanist; 8-10, Jack Chapman and his Rainbo Gardens orchestra; Ambrose Wyrick, tenor; Jeanette Van Lemmep, mezzo-soprano; Pierson Thal, concert pianist; Sheppard Levine, tenor; Fontella trio; Otto Moore, baritone.

WSAI, Cincinnati, Ohio (325.9m-920kc), 3-4:30 p. m., music, Gloria Trumpeters; 7:45, chime concert; 8, sermonet; 8:15, WEAF program.

WSB, Atlanta, Ga. (428.3m-700kc), 5 p. m., First Christian church choir; 7:30, Wesley Memorial Methodist church.

WSM, Nashville, Tenn. (282.8m-1060kc), 7:30 p. m., First Presbyterian church.

WSUI, Iowa City, Iowa (483.6m-620kc), 9:15 p. m., familiar hymns, Mrs. L. Lawyer.

Mountain Time Stations

KFXF, Colorado Springs, Colo. (250m-1200kc), 11-1 p. m., First Presbyterian church; 7:30-9, First M. E. church.

KOA, Denver, Colo. (322.4m-930kc), 10:50 a. m., First Church of Christ, Scientist; 3 p. m., Olinger Highlander Boys' First band; 7:50, First Church of Christ, Scientist.

KSL, Salt Lake City, Utah (299.8m-1000kc), 10:50 a. m., Second Church of Christ, Scientist; 3 p. m., artists' hour; 5, program, Bryant Junior high; 8, Radio Products company; 9, service.

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 4-5 p. m., vesper services; 6:30, nightly doings; 7-7:30, A. H. Grebe and company, Synchrophase trio; 7:30-8, All-American string quartet; 8-9, Aeolian residence pipe organ, Dan L. McFarland, organist; 9-10, Mabelle Hein and her Blue Bird band; 10-11, Packard Six dance orchestra.

KFON, Long Beach, Calif. (232.4m-1290kc), 6-6:30 p. m., Brayton's theater organ; 7:45-9, services, First Church of Christ, Scientist; 9-10, dance music.

KFWB, Hollywood, Calif. (252m-1190kc), 9-11 p. m., Warner Brothers Sunday night movie frolic.

KGO, Oakland, Calif. (361.2m-830kc), 11 a. m., First Methodist Episcopal church; 3:30 p. m., KGO little symphony; 7:30, First Methodist Episcopal church.

KHJ, Los Angeles, Calif. (405.2m-740kc), 4-5 p. m., Masonic service; 7-8, First Methodist Episcopal church; 8-10, program, Martin music company with Ruth Pitts, soprano; John Martin, concert pianist.

KNX, Hollywood, Calif. (336.9m-890kc), 6:30-7 p. m., Unitarian church service; 8-9, First Presbyterian church of Hollywood; 9-10:30, program, Beverly Hills Nurseries with Calmon Luboviski, master violinist.

KPO, San Francisco, Calif. (428.3m-700kc), 5-6 p. m., organ recital, Marshall W. Giselman; 6-6:30, Waldemar Lind and the States Restaurant orchestra; 6:35-8:35, Palace hotel concert orchestra; 8:35-10, Rudy Seiger's Fairmont hotel orchestra.

KPSN, Pasadena, Calif. (315.6m-950kc), 10:30 a. m., church services; 8:45-9:45 p. m., Maryland artists' ensemble.

KTAB, Oakland, Calif. (240m-1250kc), 9:45-10:45 a. m., Bible lecture; 11-12:30 p. m., church service; 7:45-9:15 p. m., church service; 9:30-11, after-service concert.

Monday, March 8

Headliners Today

Eastern	Central	Mountain	Pacific
3:15 p. m.	2:15 p. m.	1:15 p. m.	12:15 p. m.

WHO (526m-570kc) Jack Little.

The handsome gentleman above is Mario Alverez, who is a weekly feature at WOR, Newark. His fine baritone voice has supported many a New York musicial comedy. CNRO is the fortunate possessor of a charming hostess in Florence Charron, right. She is often called upon to charm her invisible friends over the microphone.

WBAL, Baltimore, Md. (246m-1220kc), 6:30-7:30 p. m., WBAL dinner orchestra; 7:30-8, Frederick D. Weaver, organist; 8-9, Edith Reinhardt, soprano; Minnie Faber, pianist; Arthur Ver Valen, baritone; 9:10-10, Bess Perry, contralto; Ruth Truitt, violinist.

WBBR, New York, N. Y. (273m-1100kc), 8 p. m., Jubilee entertainers; 8:20, Jubilee entertainers; 8:50, Jubilee entertainers.

WBZ, Springfield, Mass. (333.1m-900kc), 6:30 p. m., Hotel Kimball dance orchestra; 7:30, Rene Dagenais, organist; 8, Capitol theater orchestra; 8:30, concert, Grace E. Campbell; Anne Embree, soprano; Beulah M. Sweetser, mezzo-contralto; Marie Van Praet, contralto; Grace Brandon, violinist; Sarah E. Ames, cellist; 9, concert; 9:30, Loew's State theater vaudeville attractions.

WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert, William Penn hotel; 8, studio concert; 9, studio concert; 10, grand opera, WEAF; 11, Ralph Harrison's Midnight Sons.

WCAP, Washington, D. C. (468.5m-640kc), 6:30-11 p. m., concert, Evangeline hotel; WEAF program.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30 p. m., recital, N. Snellenburg and company; 8, Carolyn Thomas, soprano; Ella Jacquette Kratz, pianist; 8:30, The Hood Boys; 9, Mall's Merry Makers; 9:30, Sugar Cane orchestra; 10, Arlene R. Smith, soprano; Kathryn Figthorne, contralto; Sarah Snyder, pianist; 10:30, Parodians dance orchestra.

WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., dinner program, Goldkette ensemble; 8-9, program.

WDBO, Winter Park, Fla. (239.9m-1250kc), 9:30-11 p. m., entertainment.

WEAF, New York, N. Y. (491.5m-610kc), 4-12 midnight, Vivian Sherwood, contralto; Godfrey James, tenor; Vincent Lopez and his orchestra; dinner music; Robert Lindholm, accordionist; Irene Peckham, pianist; "Pop Concert"; WOO; 8:45 p. m., health talk, WEEI, WCAP; 9, A. and P. Gypsies, WEEI, WCAP, WWJ, WJAR, WOO; 10, "Samson and Delilah," grand opera, WOO, WCAP, WJAR, WTAG, WCAE; Ben Bernie and his orchestra.

WEAR, Cleveland, Ohio (389.4m-770kc), 7 p. m., Allen theater orchestra.

WEEI, Boston, Mass. (348.6m-860kc), 5 p. m., Rainbow Ramblers; 6:13, Joe Rines and his Hunters' Cabin orchestra; 6:45, Big Brother club; 7:30, Cecelia and Robert Gomberg, violinists; 8, Black Iron Shiners; 8:45, WEAF; 10, Scotty Holmes and his orchestra.

WFI, Philadelphia, Pa. (394.5m-760kc), 1 p. m., Tea Room ensemble; 3, recital, Comb's Conservatory of Music; 6:30, Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra.

WGBS, New York, N. Y. (315.6m-950kc), 1:30 p. m., songs, Betty Chandler, Jerome Green; 2, Manhattan string trio; 3, Elsie McCormick; 3:30, Tex Sanderson, tenor; 3:40, League of Women Voters' program; 6:15, Little Bear Balalaika orchestra.

Eastern	Central	Mountain	Pacific
8 p. m.	7 p. m.	6 p. m.	5 p. m.

WGHP (270m-1110kc) Little Symphony orchestra.
WTAM (389.4m-770kc) Excerpts from grand opera.
WTIC (475.9m-630kc) Amy Wheelock.

8:30	7:30	6:30	5:30

WBAP (475.9m-630kc) Grapevine fiddle band.

9	8	7	6

WDAF (365.6m-820kc) Ivanhoe band.
WHO (526m-570kc) Fort Dodge Municipal band.
WTAG (268m-1120kc) Robin Hood hour of music.

10	9	8	7

KPRC (296.9m-1010kc) Municipal orchestra.

11	10	9	8

WSAI (325.9m-920kc) Cincinnati community program.
WTIC (475.9m-630kc) Symphonic ensemble.

Monday silent night for: CNRA, CNRC, CNRE, CNRM, CNRO, CNRR, CNRT, CNRV, CNRW, KFAU, KFDM, KFEQ, KFMX, KFWA, KHJ, KLDS, KUOA, KYW, WBBM, WBCN, WCAD, WCBD, WEAO, WEBH, WEBJ, WEBW, WENR, WGBS, WGES, WGN, WHAS, WHT, WIBO, WIP, WJAZ, WJJD, WKAQ, WLIB, WLS, WMAQ, WMBB, WOAI, WOC, WOK, WORD, WQJ, WRC, WREO.

Eastern Time Stations

CFCA, Toronto, Can. (356.9m-840kc), 6:45-7:45 p. m., concert, Conger Coal orchestra.

CKNC, Toronto, Can. (356.9m-840kc), 8-10 p. m., chamber music hour; Toronto Conservatory instrumental trio; Frank Blachford, violinist; Leo Smith, cellist; Alberto Guerrero, pianist.

KDKA, Pittsburgh, Pa. (309.1m-970kc), 12:30 p. m., Trinity church Lenten service; 6:30, dinner concert; 9, light opera hour.

WAHG, Richmond Hill, N. Y. (315.6m-950kc), 12 noon, Grebe matinee trio; 7:30 p. m., Walter A. Iooss, pianist; Boy Scout program; 8, synchrophase hour; 9:15, John De Buerus, clarinetist; 9:45, Florence Ward, mezzo-contralto; 10, Walter and Sidney Sellers, vocal duets; 10:15, dance music; 12 midnight, Queens Melody boys; Bob McDonald, ukulele.

WGCP, New York, N. Y. (252m-1190kc), 8:30 p. m., program; 9:15, program; 10, China Royal orchestra; 10:30, Strickland's orchestra.

WGHP, Detroit, Mich. (270m-1110kc), 6-7 p. m., Hotel Tuller dinner concert; 8-10, Little Symphony orchestra; Joseph Mosbach, bassoon; Jean Courtois, violinist; T. Stanley Perry, tenor; Leona E. Mitchell, soprano; 12-1 a. m., Gerald Marks and his orchestra.

WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., Hotel Van Curler orchestra; 7:45, American trio; 8:15, WGY orchestra.

WHAR, Atlantic City, N. J. (275.1m-1090kc), 8 p. m., Seaside hotel trio; 11, Follies Bergere dance orchestra.

WHN, New York, N. Y. (361.2m-830kc), 6:05-7 p. m., Mirror People's hour; 7-7:30, Twin Oaks orchestra; 7:30-8, Metropolitan organ recital; 8:05-8:35, Roseland dance orchestra; 8:10-9, Perry and Russell, one-man act; 9-9:30, Loew's theater orchestra; Eva Rothenberg, pianist; 11-11:30, Cotton club orchestra; 11:30-12 midnight, Silver Slipper orchestra; 12-12:30 a. m., Parody club orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 1 p. m., Gimbel tea room orchestra; 3, artist recital, Fuhrman school of music; 6:05, Benjamin Franklin concert orchestra; 7, Uncle Wip's bedtime stories; dancing lessons, Miller Conservatory of Dancing.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Jean Goldkette's symphony orchestra; soloists; 11:30, "The Merry Old Chief."

WJZ, New York, N. Y. (454.3m-660kc), 1 p. m., Meyer Davis' Park Lane orchestra; 4:30, Sherry's Fifth Avenue trio; 7, Hotel Commodore dinner concert; Astor Coffee orchestra; 9, Henry Hadley and his Philharmonic orchestra; 10:30, Keith McLeod, pianist; Milton J. Cross, tenor; 10:45, George Olsen's Hotel Pennsylvania grill orchestra.

WLIT, Philadelphia, Pa. (394.5m-760kc), 12:02 p. m., daily almanac; Stanley theater organ recital; Arcadia cafe concert orchestra; 2, Arcadia cafe concert orchestra; 4:30, Alice Wightman, pianist; 7:30, Dream Daddy's bedtime stories; 8:15, concert from Camden Radio show; 9, Stanley theater hour; 10, Arcadia cafe dance orchestra; 10:30, Fay's vaudeville features; 10:45, Benjamin Franklin hotel dance orchestra.

WLWL, New York, N. Y. (288.3m-1040kc), 9:15 p. m.,

High Lights of the Week

THROUGH the kindness of W. S. Quinby of Boston, music lovers unable to attend the Boston Symphony orchestra in person will have the pleasure of hearing the entire concert Saturday evening through WEEI. Fans feeling in the mood for a little fun may prefer to tune in for the San Antonio Light's Cookcoo club of WCAR's at eleven p. m. Central time.

The Atwater Kent artists over the WEAF chain this week are Josef Hoffman, America's best known pianist, and Elizabeth Day, soprano. The Sunday afternoon concert at KGO will attract many listeners. Incidental music from the Norwegian drama, "Sigurd Jalsafar," by Grieg will be featured.

Monday schedules another Grieg program when Amy Wheelock returns to WTIC, Hartford. Miss Wheelock will be remembered for the fine program she gave at this station last year.

Cowboys and cowgirls are gathering this week at Fort Worth, Texas, for the annual Southwestern Exposition and Fat Stock show. WBAP will pick up the events of the rodeo, Tuesday evening. These will be described by the Hired Hand himself.

Tuesday night is also important because the WBAL opera company makes its debut in "Cavalleria Rusticana."

All pessimists are invited to tune in for the meeting of the Optimist club of New Orleans, at WSMB, Wednesday. The Hart House string quartet which has been engaged by the Canadian National railways to appear exclusively at CNR stations, will appear Wednesday at CNRE. Lovers of classical music will enjoy this program.

A debate between students of the University of Chicago and Iowa State college is scheduled for Thursday evening over WMAQ, Chicago. The debate, which takes place in Mandel hall will be relayed direct to the station. The 9 p. m. Pacific time program of KPO, San Francisco, presents the operetta "El Toroso," under the direction of Katharine Sharpstein.

Fiddlers of the North-Atlantic states are contesting at WBZ, Springfield, Friday, for the Henry Ford loving cup to be awarded the winner. Perhaps these champions from various parts of the U. S. will meet and a national champion will be chosen.

BOSTON SYMPHONY THROUGH WEEI;

POPULAR CONCERTS INDEX

Saturday, March 6

Eastern	Central	Mountain	Pacific
7:30 p. m.	6:30 p. m.	5:30 p. m.	4:30 p. m.
WFAA.			
8	7	6	5
WAMD, WLS.			
9	8	7	6
WBBM, WEAF, WENR, WGBS, WLS, WMAQ, WNYC.			
10	9	8	7
KFAB, KPRC, WBBM, WEBH, WENR, WGN, WLS, WMBB, WREO.			
11	10	9	8
KFVE, KFWB, KNX, KTHS, WBBM, WMBB, WOK, WQJ, WRC.			
12	11	10	9
KNX, KOIL, KPO, KPRC, WBBM, WEBH, WLS, WOAW, WOK, WQJ.			
1 a. m.	12 m.	11	10
KFWB, WDAF, WBBM, WEBH, WENR, WOK, WQJ, WSAI.			
2	1 a. m.	12 m.	11
KNX, WBBM, WEBH, WENR, WQJ.			

Sunday, March 7

Eastern	Central	Mountain	Pacific
9 p. m.	8 p. m.	7 p. m.	6 p. m.
WBBM.			
10	9	8	7
WBBM, WMBB.			
11	10	9	8
WMBB.			
12	11	10	9
KNX, KTHS.			
1 a. m.	12 m.	11 p. m.	10
KFWB, WBBM.			
2	1 a. m.	12 m.	11
KFWB.			

Monday, March 8

Eastern	Central	Mountain	Pacific
7 p. m.	6 p. m.	5 p. m.	4 p. m.
WBBM, WFAA, WOAW.			
8	7	6	5
WGBS.			
9	8	7	6
WCAU, WEAF, WGR, WKRC, WOK.			
10	9	8	7
KFAB, WEBH, WGR, WKRC, WMCA, WOAW, WOK, WSOE.			
11	10	9	8
KFAB, KFVE, WOK.			
12 m.	11	10	9
KLX, KNX, KOIL, WAMD, WEBH, WHO, WOK.			
1 a. m.	12 m.	11	12
KFWB, KLX, WAHG, WDAF, WHT, WKRC, WOK.			
2 a. m.	1 a. m.	12 m.	11
KFWB.			

Tuesday, March 9

Eastern	Central	Mountain	Pacific
7 p. m.	6 p. m.	5 p. m.	4 p. m.
WMCA, WOAW.			
8	7	6	5
WBBM, WEAR.			
9	8	7	6
WBBM, WEAR, WBZ, WSB.			
10 p. m.	9 p. m.	8 p. m.	7 p. m.
WBBM, WEBH, WMMB, WOAW.			
11 p. m.	10 p. m.	9 p. m.	8 p. m.
KFVE, KFWB, KNX, WBBM, WHT, WMBB, WOK, WQJ.			
12 m.	11	10	9
KNX, KOIL, KPO, WAMD, WBBM, WEBH, WEBH, WKRC, WMC, WOK, WQJ.			
1 a. m.	12 m.	11	10
KFWB, KNX, WFAA, WHT, WOAW, WOK, WQJ.			
2	1	12 m.	11
KFWB, WQJ.			

Wednesday, March 10

Eastern	Central	Mountain	Pacific
8 p. m.	7 p. m.	6 p. m.	5 p. m.
KFNF, WAHG, WEBJ, WEEI, WMCA.			
9	8	7	6
WBBM, WEBJ, WGCP, WNYC.			
10	9	8	7
KFAB, KPRC, WBBM, WEBH, WGCP, WHO, WMBB.			
11	10	9	8
KFAB, KFVE, KGW, KPO, KWSC, KYW, WBBM, WHN, WMBB, WOK, WQJ.			
12 m.	11	10	9
KFWA, KFWB, KNX, KYW, WAMD, WEBH, WOK, WQJ, WSAI.			
1 a. m.	12 m.	11	10
KNX, KYW, WBBM, WHT, WOK, WQJ.			
2	1 a. m.	12 m.	11
KFWB, KNX, WBBM, WOK, WQJ.			

Thursday, March 11

Eastern	Central	Mountain	Pacific
8 p. m.	7 p. m.	6 p. m.	5 p. m.
WCAE, WEAF, WJAR, WMC, WOC, WSAI.			
9	8	7	6
WBBM, WHAD.			
10	9	8	7
KMA, WBBM, WEBH, WEEI, WHAD, WHN, WMBB, WMC, WNYC, WOAW, WSOE.			
11	10	9	8
KHJ, KMA, KYW, WBBM, WMBB, WOK, WQJ.			
12 m.	11	10	9
KHJ, KTAB, KOIL, WBBM, WDAF, WEBH, WFAA, WKRC, WOC, WOK, WQJ.			
1 a. m.	12 m.	11	10
KFWB, KHJ, WHT, WOK, WQJ.			
2	1 a. m.	12.m.	11
KNX, WQJ.			

Friday, March 12

Eastern	Central	Mountain	Pacific
8 p. m.	7 p. m.	6 p. m.	5 p. m.
WGCP, WJR.			
9	8	7	6
WAMD, WBBM, WGR, WLS.			
10	9	8	7
KFAB, WBBM, WEBH, WMC, WDAF, WHAD, WMBB, WOAW, WSOE.			
11	10	9	8
KFVE, KFWA, KHJ, KLX, KYW, WMBB, WOK, WQJ.			
12 m.	11	10	9
KFWB, KHJ, KNX, KOIL, WAMD, WEBH, WMC, WOK, WQJ.			
1 a. m.	12 m.	11	10
KFWB, KHJ, WDAF, WHT, WOK, WQJ.			
2	1 a. m.	12 m.	11
KNX, WQJ.			

"Radio Sunshine Girl" is the title given Nin afternoons. Miss Smiley has attained con sings her own songs. Hawaiian music fills Guyman, below, invade the studio of WSOE, not always wear a ruff. He appeared in operatic role at WCCO, recently. Mr. Gi

Monday, March 8

songs; 10, music; 10:15, study club; 10:30, entertainment.

WMAK, Buffalo, N. Y. (266m-1130kc), 7:30-8:30 p. m., Morey Wakeman and his Serenaders; 8:30-9, musical program; 9-10, musical program; 10-11, musical program.

WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Owen Neil and his Hotel McAlpin string ensemble; 6:30, Eddie Golden and his Hotel McAlpin orchestra; 7:30, Kurtz Karnival Kings; 8, Terminal musical hour; 10:15, Westmansten Inn orchestra; 11:30, Jack [illegible] orchestra.

WNYC, New York, N. Y., (526m-570kc), 6:20 p. m., weather; 7:30, song recital; 8, concert program; 9:30, vocal recital, songs; 10:55, Richmond Versatile orchestra.

WOO, Philadelphia, Pa. (508.2m-590kc), 11 a. m., organ recital; 12:02 p. m., Crystal tea room orchestra; 4:15, organ recital; 7:30, Ritz Carlton concert orchestra; 8, Pan concert; 9, A. and P. Gypsies; 10, Grand opera from WEAF; 11, Adelphia dance orchestra.

WOR, Newark, N. J. (405.2m-740kc), 2:30 p. m., Organ Queensland orchestra; 6:30, Jacques Jacob's Hotel Shelton ensemble; 7:30, Katinka orchestra; 8:30, A Reed hour; 9:30, Helen Schafmeister, pianist; 9:45, Zuzanne Richmond, violinist; 10, Helen Schafmeister, pianist; 10:15, Zuzanne Richmond, violinist; 11-2 midnight, Hofbrau Haus orchestra.

WPG, Atlantic City, N. J. (299.8m-1000kc), 4:30 p. m., Continue Hadden Hall tea music; 6:45, organ recital, Arcadia Band; 7, Hotel Morton dinner music; 8, children's hour; 8:30, piano recital; 9, Hotel Ambassador concert orchestra; 10, vocal recital, Ethel Dobson, colorature soprano; 10:15, Green Hall trio; Phyllis Herbine, violinist; Arline Bazozzi, cellist; Vera Chadsey, reader; 11, Silver Slipper Supper club, Eddie McKay, dance orchestra.

WRC, Washington, D. C. (468.5m-640kc), 12 noon, organ recital, Hotel Stuart-Gruner; 12:30 p. m., Lenten service; 1, Shoreham hotel orchestra; 4:30, musical [illegible].

WRVA, Richmond, Va. (256m-1170kc), 8:10 p. m., organ recital, E. Pleasington Harker; 9, Dr. Douglas Freeman on "Old Virginia Folk Lore"; 9:45, Harold Hansen, violin recital, and his orchestra; 11, Going Back to Old Virginia.

WTAG, Worcester, Mass. (268m-1120kc), 10:30 a. m., musical [illegible]; 12:15-2 p. m., noon-day luncheon concert; 7:45, "Tarzan of the Apes"; 9-10, Robin Hood dell concert; 10-11, WEAF.

WTAM, Cleveland, Ohio (389.5m-770kc), 12:15-1:30 p. m., Austin Wylie's Vocalion Recording orchestra; 5-7, Carl Rupp and his Hotel Hollenden orchestra; 7-8, [illegible] orchestra, Women's Exposition; excerpts from Grand Opera, Mr. and Mrs. Wheeler, Doris Hess, John Pierce; 11-12, Austin Wylie's Vocalion Recording orchestra; 12-1 a. m., Guy Lombardo and his Royal Canadians.

WTIC, Hartford, Conn. (475.9m-630kc), 11:25 a. m., weather talk, Beatrice Tobias; 12:05 p. m., Travelers club orchestra; 9, John Cowan, baritone; Irene Paul, soprano; 9:30, Emil Heinberger Hotel Bond orchestra; 10, vocal duets; 11, Travelers symphonic ensemble, Asa Woodcock.

WWJ, Detroit, Mich. (352.7m-850kc), 12:05 p. m., Jane Klein, Hotel Statler orchestra; 3, Detroit News orchestra; 6, dinner concert; 8, Detroit News orchestra; 9, WEAF program.

Central Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc) 9-6:30 p. m., dinner concert; 8:30-10:30, Ed Ellington, original concert; Harold Cossar, cards of the air; Glenn Cox, Mike Kogen, pianist; Belmar's orchestra, Cowbell Boys.

KFH, Wichita, Kans. (268m-1120kc), 10-11 p. m., entertainers; 12:15-1:15 a. m., Harry Hunts' Imperial orchestra.

KFRU, Columbia, Mo. (499.7m-600kc), 4:30 p. m., Bella Vista Quadrangle orchestra; 6:15, dinner music.

KMA, Shenandoah, Iowa (252m-1190kc), 11:30-12:30 p. m., noonday rural program; 6-7, popular music; 9-11, Farnham trio; How-Do-You-Do Boys.

KPRC, Houston, Tex. (296.9m-1010kc), 12 noon, Frank Tilton, blind wonder boy pianist; 7:30 p. m., Record's Ramblers dance orchestra; 8:30, concert; 9, Houston Municipal orchestra.

KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., Rader instrumental quartet; 9, Mu Phi Epsilon concert.

KSO, Clarinda, Iowa (241.8m-1240kc), 7-7:30 p. m., music; 7:30-9:30, old-time music, Wes Miller; Hay Mow Five contest.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9-9:40 p. m., New Arlington string trio; 9:40-9:55, Southland classics; 10-11, Pooley hour frolic.

KUOA, Fayetteville, Ark. (299.8m-1000kc), 8 p. m., Epworth league male quartet.

KYW, Chicago, Ill. (535.4m-560kc), 12:05-1 p. m., noonday concert; 1-2, luncheon concert; 6-7, dinner musical.

WAMD, Minneapolis, Minn. (244m-1230kc), 6:15 p. m., string orchestra; 7:01, Garrick symphony orchestra; 11, George Osborn and his orchestra.

WBAP, Fort Worth, Tex. (475.9m-630kc), 6-6:30 p. m., Texas hotel orchestra; 7:30-8:30, Grapevine fiddle band, 9:30-11, Ward's Trail Blazers; 11-12, Majestic theater.

WBBM, Chicago, Ill. (226m-1330kc), 4-6 p. m., Harry Sosnik; Irene Beasley; Jack Pennewell and Freddy Palmiter; Court Banks; Joe McManus; Edna Wheeler Ballard, harpist; 6-7, Beulah Mowers, pianist; Two Jays; Charlie Garland; Barber Shop Three; Floyd Falch; Fair and Warmer, two pianos; Dave Handler, violinist.

WCAL, Northfield, Minn. (336.9m-890kc), 8:30 p. m., musical program, college quartet; girls' sextet; Bernice O'Hara, violinist.

WCAR, San Antonio, Tex. (263m-1140kc), 8-10 p. m., musicale.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 12 noon, concert, Donaldson's orchestra; 2:30 p. m., afternoon concert; 6:30, dinner concert, Gordon Cooke ensemble, Meta Ashwin Birnbach, soprano; Louise Lupien Jenkins, accompanist; 8, University of Minnesota program; 9, classical concert, Fred Albrecht's Osman Temple band.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., Trianon ensemble; 8-9:30, program, Ivanhoe band; Al Cossetta, tenor; Mrs. R. O. Snively, soprano; Mrs. Virginia Sowers, accompanist; 11:45-1 a. m., Ted Weems' Victor Recording orchestra.

WFAA, Dallas, Tex. (475.9m-630kc), 12:30-1 p. m., Paul D. Ray, pianist; 4:30-5, Cyrus Barcus, cornetist; 6:30-7:30, Honey Boys' orchestra; 8:30-9:30, Sears-Roebuck Agricultural program.

WHAS, Louisville, Ky. (399.8m-750kc), 1-2 p. m., concert, Royal Peacock orchestra; 3-3:30, Mrs. Myrtle Fulks Zahn, Jr., organist; 4-5, concert, Music Box Extension studio.

WHB, Kansas City, Mo. (365.6m-820kc), 2-3 p. m., ladies' hour; 7-8, Sweeney Radio orchestra; May Nelson, popular songs; Thelma Cresop, pianist.

WHO, Des Moines, Iowa (526m-570kc), 2:15 p. m., Jack Little; 7:30-8, Paul Sroye, pianist; 8-9, Fort Dodge

WHT, Chicago, Ill. (399.8m-750kc), 10 a. m., Helen Municipal band; 11-12, L. Carlos Meier, organist. Rauh, pianist; 12 noon, Al Carney's organ recital.

WKAF, Milwaukee, Wis. (261m-1150kc), 10-11 p. m., Ethel Brenk, soprano; Lucille Meister, violinist; Robert Hall, baritone.

WKRC, Cincinnati, Ohio (325.9m-920kc), 6 p. m., dinner program, Alvin Roehr's orchestra; 8, popular song program; 9, musical program; 12, Kodel midnight frolic, popular music; 12:30 a. m., Wesley Helvey's Troubadours.

WLS, Chicago, Ill. (344.6m-870kc), 6 p. m., studio trio.

WLW, Cincinnati, Ohio (422.3m-710kc), 4 p. m., student recital, pupils of Leo Stoffregen; 7, dinner concert, Hotel Gibson orchestra; 7:30, theatrical feature, 8, Cincinnati Times-Star orchestra, William Kopp, director.

WMAQ, Chicago, Ill. (447.5m-670kc), 4:35 p. m., pupils, Glenn Dillard Gunn school of music; 5, games for the home, Glenn D. Adams; 6, Chicago theater organ recital; 6:30, Hotel La Salle orchestra.

WMAZ, Macon, Ga. (261m-1150kc), 9 p. m., Georgia Sirens orchestra; 10-11, Wesleyan college student night.

WOAW, Omaha, Nebr. (526m-570kc), 6:20 p. m., Frank Peterson, tenor; Helen Higgins, pianist; 6:50, Royal Fontenelle orchestra; 9, classical.

WOI, Ames, Iowa (270m-1110kc), 7:50 p. m., Alumni program.

WSAI, Cincinnati, Ohio (325.9m-920kc), 10 p. m., Cincinnati community program.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., entertainment; 10:45, Vick Myers orchestra.

WSM, Nashville, Tenn. (282.8m-1060kc), 6:30 p. m., concert, Francis Craig's orchestra; 8, program, Margaret Pittman and associate artists; 10, program, Vito Pellettieri's orchestra.

WSMB, New Orleans, La. (319m-940kc), 9:30 p. m., St. Charles theater orchestra; Dixola Novelty orchestra, Strand theater orchestra; Fuzzy Wuzzy Twins.

WSUI, Iowa City, Iowa (483.6m-620kc), 12:30 p. m., Mrs. Dorothy Spencer, soprano; 7:30, Ohio-Iowa basketball game; 8:50, musical concert.

Mountain Time Stations

KFXF, Colorado Springs, Colo. (250m-1200kc), 8:30-10:30 p. m., soprano solos, Mrs. Kingsley Ballou.

KOA, Denver, Colo. (322.4m-930kc), 12:15 p. m., Marjorie Nash, organist; 6:30, Brown Palace string orchestra; 8, Spanish, Prof. A. L. Knecht; 8:30, KOA orchestra; 9:30, KOA orchestra.

KSL, Salt Lake City, Utah (299.8m-1000kc), 8 p. m., program, Crawford Furniture company; 9, Royal Baking company.

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 5:30-6 p. m., Owen Fallon's Californians; 6, nightly doings; 6:15, Seeing California; 6:30, vest pocket program; 6:45, Radiotorial period; 7-8, Eleanor Woodford, soprano; 8-9, Louise Klos trio, violin, cello and harp; 9-10, program, Walter M. Murphy Motors company, KPO; Mischa Gegna string orchestra, Thomsa Manchini, concert violinist; 10-11, popular program arranged by Meiklejohn Brothers.

KFOA, Seattle, Wash. (454.3m-660kc), 12:30-1:30 p. m., Lions' club luncheon program; 7-8:15, Sherman Clay and company program; 8:30-10, Times program.

KFON, Long Beach, Calif. (336.9m-1290kc), 6-6:30 p. m., Brayton's theater organ; 7-8, Investors' hour with orchestra; 8-9, Press-Telegram studio; 9-11, the Venetians dance orchestra.

KFWB, Hollywood, Calif. (252m-1190kc), 6-7 p. m., dinner music, Fitzgerald Music company; 7:30-8, program, Dr. Ralph Mitchell and Friendly Dentists' orchestra; 8-9, Bill Hatch's Oakmont Country club dance orchestra; 9-10, program, Star Motor company, featuring Million Dollar Four orchestra; Tom Breneman, baritone; Sol Hoopii's Hawaiians; 10-11, Warner Brothers' frolic.

KGO, Oakland, Calif. (361.2m-830kc), 3-4 p. m., Eva F. Hicks, soprano; Louise Polos, pianist; Mitchell Landis, baritone; 6-6:55, Knickerbocker trio; 8, Arion trio; 9:15, Arion trio.

KLX, Oakland, Calif. (508.2m-590kc), 6:30-7 p. m., Athens Athletic club orchestra; 9-10:30, Lake Merritt Ducks.

KMTR, Hollywood, Calif. (238m-1260kc), 7:15 p. m., Y. M. C. A. musical hour; 8-10, KMTR concert orchestra, Loren Powell, director; 10-11, Starr Piano company studio.

KNX, Hollywood, Calif. (336.9m-890kc), 5-5:30 p. m., Sunny Jim's talk; 5:30, Leighton's cafeteria orchestra; 6, Town Tattler; 6:15, travel talk, W. F. Alder; 6:30-7, Atwater Kent concert orchestra; 7-7:30, Mutual Motors mirth contest; 7:30-8, program, Overell's Furniture company; 8-9, program, L. W. Stockwell company; 9-10, KNX feature program; 10-11, Goodrich Silvertown Cord dance orchestra; Lilyan May Challenger, contralto; 11-12 midnight Cocoanut Grove dance orchestra from Ambassador.

KPO, San Francisco, Calif. (428.3m-700kc), 1-2 p. m., Rudy Seiger's Fairmont hotel orchestra; 2:30-3:30, matinee program; 6:40-7, Waldemar Lind and the States Restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel orchestra; 8-9, Uda Waldrop, organist; 10-11, Cabiria cafe dance orchestra.

KTAB, Oakland, Calif. (240m-1250kc), 12-1 p. m., luncheon concert; 8-10, program.

KWSC, Pullman, Wash. (348.6m-860kc), 7:30-9 p. m., special program, Colfax Chamber of Commerce.

Tuesday, March 9

Headliners Today

Eastern	Central	Mountain	Pacific
3:15 p. m.	2:15 p. m.	1:15 p. m.	12:15 p. m.

WHO (526m-570kc) Jack Little.

Eastern	Central	Mountain	Pacific
9 p. m.	8 p. m.	7 p. m.	6 p. m.

WHO (526m-570kc) Jack Little.
WLW (422.3m-710kc) Old-time review.
WSB (428.3m-700kc) Kimo Kohohis Moonlight Five.

10	9	8	7

WBAL (246m-1220kc) "Cavalleria Rusticana," grand opera.

10:05	9:05	8:05	7:05

WIP (508.2m-590kc) Motion picture stars.

10:30	9:30	8:30	7:30

KTHS (374.8m-800kc) Mill male quartet.
WBAP (475.9m-630kc) Rodeo.

11	10	9	8

KTHS (374.8m-800kc) Folk music of Pueblo and Sioux Indians.

11:05	10:05	9:05	8:05

WCCO (416.4m-720kc) Radio drama, "A Step on the Stairs."

Tuesday, silent night for: CFCA, CHIC, CKNC, CKY, CNRC, CNRE, CNRM, CNRO, CNRW, CNRT, KFKX, KFKU, KUOA, KFUO, KFWA, KYX, KOA, KOAC, KOB, KQWW, KUOM, KWSC, WABQ, WAHG, WAMD, WBBR, WCAD, WCAL, WCAP, WGCP, WGST, WHAD, WHAZ, WJAD, WJAZ, WKAF, WKAQ, WLWL, WOI, WOS, WRVA, WSMB, WSUI, WTAM, WTIC.

Eastern Time Stations

CKAC, Montreal, Can. (410.7m-730kc), 7:15 p. m., Windsor hotel dinner hour; 8:15, Frontenac Breweries concert; 10:30, dance program.

KDKA, Pittsburgh, Pa. (309.1m-970kc), 12:30 p. m., Trinity church Lenten services; 5:45, Daddy Winkum; 6:30, dinner concert; 8:30, sacred song program; 9, musician's club; 11:35, concert.

WAHG, Richmond Hill, N. Y. (315.6m-950kc), 12 noon, musicale.

WBAL, Baltimore, Md. (246m-1220kc), 6:30-7:30 p. m., WBAL dinner orchestra; 7:30-8, WBAL male quartet; 8-9, Louise Cline, soprano; George Bolek, pianist; James Wilkinson, baritone; 9-10, WBAL string trio; 10-11, WBAL opera company, "Cavalleria Rusticanna."

WBBR, New York, N. Y. (273m-1100kc), 8 p. m., Josephine Locke, violinist; 8:10, Mrs. Benjamin Brown, contralto; 8:40, Mrs. Benjamin Brown, contralto; 8:50, Josephine Locke, violinist.

WBZ, Springfield, Mass. (333.1m-900kc), 6:45 p. m., Hotel Lenox ensemble.

WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert, William Penn hotel; 8, WEAF program; 8:30, WEAF program; 9, WEAF program; 10, WEAF program; 11, Kenyon theater.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:45 p. m., Parodians dance orchestra; 7:30, Snellenburg symphony trio; 8:10, The Three Brothers; 8:35, playlet; 9, Robert Frazer, blind Gospel singer; Elizabeth Holtz, pianist; 9:30, Sea Gulls dance orchestra; 10, Sam Gold, murmuring baritone; 10:30, Cathay Tea Garden dance orchestra.

WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., dinner program, Goldkette ensemble; 10-2 a. m., Red Apple club.

WDBO, Winter Park, Fla. (239.9m-1250kc), 9-10:30 p. m., entertainment; Angebilt trio.

WEAF, New York, N. Y. (491.5m-610kc), 4 p. m., Carman Learn, baritone; 4:15, May Singhi Breen, banjoist and Peter DeRose, pianist; 5, Vincent Lopez and his orchestra; 6, dinner music; 7, Margaret Olsen Hamilton, soprano; 7:30, American Composers' program, Harold Vincent Milligan and artists; 8, Blue Ribbon male quartet, WEEI, WFI, KSD, WCAE, WWJ, WGR, WCCO, WOC; 8:30, Gold Dust Twins, WEEI, WFI, WCAE, WGR, WWJ, WOC, WJAR, WCCO, WLIB, WEAR, KSD; 9, Eveready hour, WEEI, WFI, WCAE, WGR, WWJ, WOC, KSD, WJAR, WCCO, WTAG, WGN, WEAR, WSAI; 10, Moment musicale, WEEI, WFI, WWJ, WGR, WCAE,

AMY WHEELOCK RETURNS TO WTIC

lley, left, who sings at **WMBB** Sunday ble success as a composer and often air when Willard Van Buren and Joe aukee. Merlyn H. Gillette, right, does kind of a collar when he sang in an is a frequent visitor at this station.

WTAG, KSD, WEAR; 10:30, Vincent Lopez and his orchestra, WEEI, WFI, WWJ, WGR, WCAE, WTAG, KSD, WEAR; 11-12 midnight, Ross Gorman and his orchestra.

WEAR, Cleveland, Ohio (389.4m-770kc), 7 p. m., State theater vaudeville and music; 8:30, WEAF program; 9, WEAF program; 10, WEAF program; 10:30, WEAF program; 11, Wormack's Singing Syncopators.

WEBJ, New York, N. Y. (272.6m-1100kc), 7 p. m., Dan Barnett's orchestra; 7:45, Isabel Henderson, soprano; 8:15, Anthony Wayne, the singing reporter; 8:30, McLean's dance orchestra.

WEEI, Boston, Mass. (348.6m-860kc), 3:05 p. m., Eugene's singing orchestra; 5, Joe Herlihy's Collegians; 6:05, George Joy and Nell Cantor, popular songs; 6:45, Big Brother club; 7:30, musical; 8-10:30, WEAF.

WFI, Philadelphia, Pa. (394.5m-760kc), 1 p. m., Tea room ensemble; 3, Philadelphia Music club; 6:30, Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra; 8, Blue Ribbon male quartet; 8:30, Gold Dust Twins; 9, Eveready hour; 10, WEAF; 10:30, Vincent Lopez and his orchestra.

WGBS, New York, N. Y. (315.6m-950kc), 1:30 p. m., Inez Nadari, soprano; 3, "MacDowell Colony," Gilbert Seldes; 3:15, Henrietta Mayer, soprano; music lesson, Dr. Robyn; 7, Arrowhead Inn concert orchestra; 8:30, Treshold Players production; 9, Crystal Palace orchestra; 10:30, Arrowhead Inn dance orchestra.

WGCP, New York, N. Y. (252m-1190kc), 3 p. m., Ona Welsh, pianist; 3:30, Isabelle Henderson, soprano; 3:45, 20th Century entertainers; 4:15, Leslie McLeod, tenor; 4:30, Max Heitt, violinist; Bob McDonald, ukulele.

WGHP, Detroit, Mich. (270m-1110kc), 6-7 p. m., dinner concert, Hotel Tuller; 8-10, Funsters; Skylark dance band; 12-1 a. m., Gerald Marks and his orchestra.

WGY, Schenectady, N. Y. (379.5m-790kc), 2:30 p. m., Stephen E. Boisclair, organist; 6:30, Hotel Van Curler orchestra; 7:45, Marine band, WRC; 8:30, WJZ; 9:35, compositions, Avis Larsen Richardson, pianist; Phyllis Frear, soprano; William Fay, baritone; 10:30, Asia club orchestra.

WHAR, Atlantic City, N. J. (276.1m-1090kc), 8 p. m., Seaside hotel trio.

WHN, New York, N. Y. (361.2m-830kc), 12:30-1 p. m., Lexington organ recital; 2, Loew's State overture; 2:15, Loew's State vaudeville; 6, Treasureland Neighbors; 6:30, Everglades orchestra; 7, Iceland orchestra; 7:30, Will Oakland's Chateau Shanley; 8, People's hour; 9, Loew's orchestra; 9:30, Ridgley's Versatile serenaders; 10:15, Johnny Marvin, artist; 10:30, Avalon club orchestra; 11:30, Al Raymo's entertainers; 12 midnight, Harry Richman and his entertainers.

WIP, Philadelphia, Pa. (508.2m-590kc), 1 p. m., organ recital; 3, program, Greater Camden Radio show; 6:05, Monte Cross, "Old-Timer"; 6:15, Nelson Maples and his S. S. Leviathan orchestra; 7, Uncle Wip's bedtime stories; piano and violin duet, Aaron Gold and Allen Wollman; 10:05, Emo's movie talk, direct from Greater Camden Radio Show, featuring famous movie stars.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Glover-Watson square dance orchestra; 8, Jean Goldkette's orchestra.

WJZ, New York, N. Y. (454.3m-660kc), 1 p. m., Hotel Pennsylvania concert orchestra; 4:30, Hotel Commodore concert orchestra; 7:30, U. S. Marine band; 10:45, George Olsen's Hotel Pennsylvania grill orchestra.

WLIT, Philadelphia, Pa. (394.5m-760kc), 11 a. m., organ recital; 12:02 p. m., daily almanac; Stanley theater organ recital; Arcadia cafe concert orchestra; 2, Arcadia cafe concert orchestra; 4:30, Dorothy Bang, contralto; Leah Trabich, pianist; John Christenzio, novelty saw; 7:30, Dream Daddy's bedtime stories; 7:50, theater talk, Allyn C. Sauer.

WMAK, Buffalo, N. Y. (266m-1130kc), 6:15-7:15 p. m., dinner music.

WMCA, New York, N. Y. (340.7m-880kc), 12 noon, Jack Cohen, pianist; 6 p. m., Olcott Vail and his Hotel McAlpin string ensemble; 6:30, Woodmansten Inn orchestra; 7, Jack Denny's orchestra; 8:15, Landay revellers; 10:30, Tango Gardens orchestra; 11, Ernie Golden and his Hotel McAlpin orchestra; 12 midnight, McAlpin entertainers.

WNYC, New York, N. Y. (526m-570kc), 7:10 p. m., The Canadians; 7:35, The Canadians; 8, song recitals; 8:30, male quartet; 9, violin recital; 9:30, instrumental novelty; 10, Hotel St. George orchestra.

WOO, Philadelphia, Pa. (508.2m-590kc), 11 a. m., organ recital; 12:02 p. m., crystal tea room orchestra; 4:45, organ recital; 7:30, concert.

WPG, Atlantic City, N. J. (299.8m-1000kc), 6:45 p. m., organ recital, Arthur Brook; 7, Elks' Home dinner music; 8:15, Plaza hotel artists; Cecile Steiner, violinist; Margaret Irwin, pianist; Rose Newman, soprano; 9, Chalfonte-Haddon Hall dual trio; 10, Hotel Traymore dance orchestra; 10:30, Karl Bonawitz, piano recital; 11, Silver Slipper Supper club, Eddie McKnight's dance orchestra.

WRC, Washington, D. C. (468.5m-640kc), 12 noon, George F. Ross, organist; 12:30 p. m., Lenten services; 1, Hotel Washington orchestra, 7:30, concert; 10:30, W. Spencer Tupman and his Hotel Mayflower orchestra; 11:30, Otto F. Beck, organist.

WTAG, Worcester, Mass. (268m-1120kc), 10:30 a. m., musical program; 12:05-2 p. m., noon-day luncheon music; 9-10, WEAF program; 10:10-10:30, WEAF program; 10:30-11, Vincent Lopez and his orchestra.

WTAM, Cleveland, Ohio (389.5m-770kc), 12:15-1:30 p. m., Guy Lombardo and his Royal Canadians; 6-7, Guy Lombardo and his Royal Canadians.

WWJ, Detroit, Mich. (352.7m-850kc), 12:05 p. m., Jules Klein's Hotel Statler orchestra; 3, Detroit News orchestra; 6, dinner concert; 8, WEAF program.

Central Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., dinner concert; 8:05-10:30, University of Nebraska.

KFDM, Beaumont, Tex. (315.6m-950kc), 12:30-1 p. m., Refinery band concert; 8-10, musical program.

KFH, Wichita, Kans. (268m-1120kc), 10-11 p. m., McVicar-Howard quartet.

KFRU, Columbia, Mo. (499.7m-600kc), 4:30 p. m., Bella Vista Quadrangle orchestra; 6:15, dinner program.

KLDS, Independence, Mo. (441m-680kc), 8:15 p. m., studio program; Corinne Haines French, soprano; Cammie Johnston, organist; Glen Fairbanks, tenor; Mrs. James Terryel, contralto; Christine Green, soprano; Irene Burroughs, violinist; 11:59, midnight program, Herbert Johnson, boy soprano; requests.

KMA, Shenandoah, Iowa (252m-1190kc), 11:30-12:30 p. m., noonday rural program; 6-7, May Flower trio; 9-11, May's mandolin musicians.

KPRC, Houston, Tex. (296.9m-1010kc), 7:30 p. m., Billie Mack's dance orchestra; 8:30, studio concert.

KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., WEAF program.

KSO, Clarinda, Iowa (241.8m-1240kc), 7-7:15 p. m., Finley and Hutchings; 7:30-9:30, Berry's orchestra.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9-9:30 p. m., Eastman hotel orchestra; 9:30-10, Valley Mill male quartet; 10-10:35, folk music; 10:35-11:15, New Arlington hotel Meyer Davis orchestra.

KUOA, Fayetteville, Ark. (299.8m-1000kc), 8 p. m., University of Arkansas glee club.

KYW, Chicago, Ill. (535.4m-560kc), 12:05-1 p. m., noonday concert; 1-2, luncheon concert; 4, afternoon frolic; 6-7, dinner music; 8-9, musical program; 9, music hour; 10, evening at home; 11:10, Congress hotel; 1 a. m., Insomnia club.

WBAP, Fort Worth, Tex. (475.9m-630kc), 12:05-12:30 p. m., Fred Cahoon's orchestra; 6-6:30, Texas hotel orchestra; 7:30-8:30, Baptist seminary; 9:30-11, Southwestern Exposition and Fat Stock show.

WBBM, Chicago, Ill. (226m-1330kc), 4-6 p. m., Sandy and Harry; Arnold Stephenson; Sidney Nireman, pianist; Harold Morava, lyric tenor; Russel Myers; 8-9, Sandy and Harry; Moulin Rouge orchestra; Phil Flemming, tenor; Jean St. Anne, baritone; Christian A. Grimm, pianist; Bob York, tenor; 9-12 midnight, Jack Crawford's Alemite orchestra; Ariston trio; Barber Shop Three; Pete Kules; Ziegler Sisters; Vorris Worthley, tenor; Two Jays; Charlie Garland; Floyd Falch.

WCAR, San Antonio, Tex. (263m-1140kc), 8-10 p. m., Loraine Hoover and his Rhythm Kings.

WCBD, Zion, Ill. (344.6m-870kc), 8 p. m., choir, string quartet; William Dunn, euphonium soloist; Paul Stewart, cornetist; Rendall Brothers, duettists; Mrs. Crow and Ralph Bull, duettists; duets, Miss Sweeney, Mrs. Ralph Pihl; Mary Sweeney, soprano; Evelyn Schultz, reader; Eleanor Pihl, pianist.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6:15 p. m., dinner concert, Emmet Long's Golden Pheasant orchestra; 7, WEAF program; 10:05, Radio drama, "A Step on the Stairs."

WDAF, Kansas City, Mo. (365.6m-820kc), 3:30-4:30 p. m., Star's string orchestra; Trianon ensemble; 11:45-1 a. m., Ted Weems' Victor Recording orchestra; Ted Meyn, organist.

WEAO, Columbus, Ohio (293.9m-1020kc), 7 p. m., university chimes; 7:35, campus program.

WEBH, Chicago, Ill. (370.2m-810kc), 7 p. m., Oriole orchestra; 8, Lydia Lochner, contralto; Oriole marimba band; Kathryn Forbes, soprano; 9-9:45, Uptown theater; 11, Oriole orchestra; 12:30 a. m., trombone duets, Mark Fisher.

FARMERS' PROGRAMS INDEX

Farmer Dinner Concerts

Daily Except Sunday

CENTRAL TIME

KFNF, 12:15-1:35 p. m.
KMA, 11:30-12:30
KSO, 12:30-1:30 p. m.
WLS, 12 noon.

Saturday, March 6

Eastern	Central	Mountain	Pacific
1 p. m.	12 noon	11 a. m.	10 a. m.

KPRC (296.9m-1010kc) Farmers' educational and musical program.

1:45	12:45	11:45	10:45

WOI (270m-1110kc) Soils, questions and answers.

8	7	6 p. m.	5 p. m.

KDKA (309.1m-970kc) Farm program.

Sunday, March 7

Eastern	Central	Mountain	Pacific
3:30 p. m.	2:30 p. m.	1:30 p. m.	12:30 p. m.

WFAA (475.9m-630kc) Sunday hour for farmers.

Monday, March 8

Eastern	Central	Mountain	Pacific
1:15 p. m.	12:15 p. m.	11:15 a. m.	10:15 a. m.

WEAO, (293.9m-1020kc) Timely Economic Information for the Farmer, C. J. West.

1:35	12:35	11:35	10:35

KSAC (340.7m-880kc) "Insure Thrifty Chicks and Pullets," J. McAdams. "Silage for Next Winter," J. Linn.

1:45	12:45	11:45	10:45

WOI (270m-880kc) "How to Condition the Farm Horse for Spring Work," Dr. H. E. Bemis.
WMAQ (447.5m-670kc) Radio farm school.

7	6	5 p. m.	4 p. m.

WGY (379.5m-790kc) Agricultural program.

7:45	6:45	5:45	4:45

WSOE (246m-1220kc) Hog Raising.

8	7	6	5

KSO (242m-1240kc) Farm talk.

8:15	7:15	6:15	5:15

KSAC (340.7m-880kc) "Pasture Crops for Sheep," H. Reed. "The Modern Chick Prefers the Open Front Portable House," H. Steup.

8:30	7:30	6:30	5:30

KUOA (299.8m-1000kc) "Farm Filosofy," Cy Adams; "Ton Litters," M. Muldrow. "The Lawn," J. Cooper. "Better Home Demonstration as a Community Project," Mrs. C. Turner. "Better Home Demonstration as a County Project," C. Kremer. "Truck Crops in Southern Arkansas," Paul Wells. "Cows and Pigs in Southeast Arkansas," S. Houston.
KOB (348.6m-860kc) "Value of Protein Supplements in a Feeding Ration," J. L. Lantow.
WMC (499.7m-600kc) Talk.

8:35	7:35	6:35	5:35

WCCO (416.4m-720kc) Farm Fire Prevention talk.

8:45	7:45	6:45	5:45

WCCO (416.4m-720kc) Farm lecture, announcement of future courses.
WTIC (475.9m-630kc) "Starting Right to Get Early Vegetables," Benjamin Southwick.

9:05	8:05	7:05	6:05

KFAB (340.7m-880kc) "Spring Seeding of the Small Grains," T. Kiesselbach. "Potatoes—Shall be Plant Them? What? When? How?" H. Werner.

9:30	8:30	7:30	6:30

WFAA (475.9m-630kc) Sears-Roebuck Agricultural Foundation program.

10	9	8	7

KOAC (280.2m-1070kc) Agricultural question box. "Fiber and Seed Flax Growing," G. Hyslop.

10:30	9:30	8:30	7:30

KOAC (280.2m-1070kc) "Potato Insects," Don Mote.

10:45	9:45	8:45	7:45

KOAC (280.2m-1070kc) "The Problem of Buying a Fruit Farm," Prof. Walter S. Brown.

11:05	10:05	9:05	8:05

KGO (361.2m-830kc) Farm program.

Tuesday, March 9

Eastern	Central	Mountain	Pacific
11:30 a. m.	10:30 a. m.	9:30 a. m.	8:30 a. m.

KFAB (340.7m-880kc) "What Shall We Do with Our Surplus Eggs?" F. Mussehl.

1:35	12:35	11:35	10:35

KSAC (340.7m-880kc) "Soy Beans," L. Willoughby. "Brood Coop for Hens and Chicks."

1:45	12:45	11:45	10:45

WMAQ (447.5m-670kc) Radio farm school.
WOI (270m-1110kc) "Animal Husbandry," H. H. Kildee.

7:15	6:15	5:15 p. m.	4:15 p. m.

WKAR (285.5m-1050kc) "Methods and Uses of Antiseptics and Disinfectants," H. Morency.

7:30	6:30	5:30	4:30

WKAR (285.5m-1050kc) "Marketing of Poultry and Eggs," J. Davidson.

7:45	6:45	5:45	4:45

WKAR (285.5m-1050kc) "Underwriting the Lamb Crop," G. Brown.

8	7	6	5

KFRU (499.7m-660kc) "Cheapening Pork Production Costs," M. J. Regan.
KSAC (340.7m-880kc) "Production of Wholesome Dairy Products," W. Martin. "Vegetables and Flowers," W. Balch.
KSO (242m-1240kc) Farm talk.

8:10	7:10	6:10	5:10

WEAO (293.9m-1020 kc) "Fruit: Why the Hill Orchard?" Wendell Paddock.

Wednesday, March 10

Eastern	Central	Mountain	Pacific
1:15 p. m.	12:15 p. m.	11:15 a. m.	10:15 a. m.

WOC (483.6m-620kc)
WEAO (293.9m-1020kc) "Vegetables: Making it Rain," L. Montgomery.

1:30	12:30	11:30	10:30

WFAA (475.9m-630kc) Sears-Roebuck Agricultural program.

1:35	12:35	11:35	10:35

KSAC (340.7m-880kc) "Pushing Spring Lambs for Market," C. Elling.

1:45	12:45	11:45	10:45

WMAQ (447.5m-670kc) Radio Farm school.
WOI (270m-1110kc) Poultry husbandry.

1:50	12:50	11:50	10:50

KFKX (288.3m-1040kc) "A B C's of Dairying," C. Long.

7:15	6:15	5:15 p. m.	4:15 p. m.

WKAR (285.5m-1050kc) "Asparagus Culture," G. Starr. "Amateur Nut Culture," V. Gardner.

8:15	7:15	6:15	5:15

KSAC (340.7m-880kc) "How the State Highway Commission Serves," J. Gardner. "Higher Standard for the Rural Home," W. G. Ward.

8:45	7:45	6:45	5:45

WCCO (416.4m-720kc) "Seeds," James Birkelund.

9:05	8:05	7:05	6:05

KFAB (340.7m-880kc) "The Calf is a Baby—Treat it Well," Ray F. Morgan.

11:30	10:30	9:30	8:30

KWSC (348.6m-860kc) "Inoculation of Legumes," S. Vandecaveye. "Protection from Invasion of Foreign Plant Diseases," George Zundel.

Thursday, March 11

Eastern	Central	Mountain	Pacific
1:15 p. m.	12:15 p. m.	11:15 a. m.	10:15 a. m.

WEAO (293.9m-1020kc) "Vegetables."

1:35	12:35	11:35	10:35

KSAC (340.7m-880kc) "Feeding Practices and Management of Chicks," J. H. McAdams. "Porcine Tuberculosis," Dr. J. Lamb.

1:45	12:45	11:45	10:45

WMAQ (447.5m-670kc) Radio farm school.
WOI (270m-1110kc) Farm crops.

7:15	6:15	5:15 p. m.	4:15 p. m.

WKAR (285.5m-1050kc) "Care and Management of Dairy Sire," George Girrbach. "Care and Selection of Dairy Utensils," P. Lucas. "Pasture Crops for Dairy Cattle," J. Hays.

8 p. m.	7 p. m.	6 p. m.	5:00 p. m.

KSO (242m-1240kc) Farm talk.

8:30	7:30	6:30	5:30

WOI (270m-1110kc) "Temporary Pastures," H. D. Hughes.

9:30	8:30	7:30	6:30

KOA (322.4m-930kc) Farm question box.
KUOA (299.8m-1000kc) Sanitary Conveniences for Rural Homes," G. Stocker.

Friday, March 12

Eastern	Central	Mountain	Pacific
1:30 p. m.	12:30 p. m.	11:30 a. m.	10:30 a. m.

KTHS (374.8m-800kc) Farmers' Radio Chautauqua.

1:45	12:45	11:45	10:45

WOI (270m-1110kc) Agricultural Economics.

2	1	12 n.	11

KFKX (288.3m-1040kc) Special Farm Service day.
WMAQ (447.5m-670kc) Radio farm talk.

1:35	12:35	11:35	10:35

KSAC (340.7m-880kc) "Determining the Best Variety," H. Sumner. "Remodeling Houses," W. G. Ward.

7:15	6:15	5:15 p. m.	4:15 p. m.

WKAR (285.5m-1050kc) "Crop Varieties for Michigan," D. Rainey. "Meadow and Pasture Seeding," C. Megee. "Twenty-five Years of Successful Alfalfa Growing," H. Probst.

8	7	6	5

KFRU (499.7m-660kc) "Cull the Broader Cow," M. Regan.

8:15	7:15	6:15	5:15

KSAC (340.7m-880kc)
KSO (242m-1240kc) Farm talk.

8:30	7:30	6:30	5:30

WOC (483.6m-620kc) Question box.

8:35	7:35	6:35	5:35

WCCO (416.4m-720kc) Farm lecture, C. P. Bull.

11:45	10:45	9:45	8:45

KWSC (348.6m-860kc) "Are Washington's Hens Good?" R. N. Miller.

Markets and Weather

Daily Except Sunday

Eastern	Central	Mountain	Pacific
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.

WFAA (475.9m-630kc) Markets.
WOAW (526m-570kc) Markets.

9:45	8:45	7:45	6:45

KDKA (309.1m-970kc) Livestock, grain.

10	9	8	7

WLS (344.6m-870kc) Livestock, markets, fruit.
WOS (440.9m-680kc) Hogs.

10:30	9:30	8:30	7:30

KFKX (288.3m-1040kc) Weather, hog market, local produce, hay, Chicago Board of Trade futures.
WFAA (475.9m-630kc) Markets.

10:45	9:45	8:45	7:45

WCCO (416.4m-720kc) Markets.
WMC (499.7m-600kc) Weather, markets.

11	10	9	8

WOS (440.9m-680kc) Weather, hogs.

11:15	10:15	9:15	8:15

WTAG (268m-1120kc) Markets, weather.

11:30	10:30	9:30	8:30

KFKX (288.3m-1040kc) Weather, Chicago Board of Trade, livestock, Chicago and New York butter and egg market, local produce.
WCCO (416.4m-720kc) Markets.
WEAR (389.4m-770kc) Markets, weather.

11:45	10:45	9:45	8:45

WAAW (384.4m-780kc) Livestock, butter, eggs.

12 n.	11	10	9

KDKA (309.1m-970kc) Weather, livestock, grain.
WBAP (475.9m-630kc) Weather, cattle, grain.
WLS (344.6m-870kc) Poultry, dairy, hogs, sheep.
WOS (440.9m-680kc) Livestock, poultry, eggs, grain.

12:30 p. m.	11:30	10:30	9:30

KFKX (288.3m-1040kc) Livestock, fruit, vegetables, dairy.
WEAR (384.4m-780kc) Markets, weather.
WFAA (475.9m-630kc) Markets.

1	12 n.	11	10

WBAP (475.9m-630kc) Markets.
WHT (238m-1260kc) Fruit, weather.
WOS (440.9m680kc) Livestock, weather.

1:30	12:30	11:30	10:30

KTHS (374.8m-800kc) Markets, weather.
KFKX (288.3m-1040kc) Weather, livestock, potato market, apples.
WOAW (526m-570kc) Markets.

1:35	12:35	11:35	10:35

KPO (428.3m-700kc) Butter, eggs, cheese, poultry.

1:45	12:45	11:45	10:45

KOA (322.4m-930kc) Weather, roads, livestock, poultry.

2	1	12 n.	11

WOC (483.6m-620kc) Weather, grain, livestock, dairy.
WOS (440.9m-680kc) Grain.

2:15	1:15	12:15 p. m.	11:15

WAAW (384.4m-780kc) Grain markets.
WFAA (475.9m-630kc) Markets.

3	2	1	12 n.

WLS (344.6m-870kc) Livestock, grain, dairy, fruit, vegetables.
WOS (440.9m-680kc) Livestock, markets, grain.

3:30	2:30	1:30	12:30 p. m.

WFAA (475.9m-630kc) Markets.
WMC (499.7m-600kc) Markets, weather.

3:50	2:50	1:50	12:50

WWJ (352.7m-850kc) Weather, markets.

4	3	2	1

KFKX (288.3m-1040kc) Weather, Chicago Board of Trade futures, Kansas City cash grain report, Omaha grain, livestock.
WCCO (416.4m-720kc) Markets.
WCX (516m-580kc) Stocks and grain.
WFAA (475.9m-630kc) Markets.

5:50	4:50	3:50	2:50

WHAS (399.8m-750kc) Markets.

6:30	5:30	4:30	3:30

KSAC (340.7m-880kc) Markets.

6:45	5:45	4:45	3:45

WIP (508.2m-590kc) Livestock, markets.

7:30	6:30	5:30	4:30

KMA (252m-1190kc) Markets and weather.
KSAC (340.7m-880kc) Market review.
KFWA (261m-1150kc) Market reports.

8	7	6	5

KFKX (288.3m-1040kc) Weather, livestock, Boston wool, Omaha grain.
KOA (322.4m-930kc) Sheep, markets, livestock, poultry.

11	10	9	8

WCCO (416.4m-720kc) Weather, grain.

BOSTON SYMPHONY THROUGH WEEI;

POPUL

Saturday, Ma

Eastern	Central	Mo
7:30 p. m.	6:30 p. m.	5:30
WFAA.		
8	7	6
WAMD, WLS.		
9	8	7
WBBM, WEAF, WENR, WC		
WNYC.		
10	9	8
KFAB, KPRC, WBBM, WE		
WLS, WMBB, WREO.		
11	10	9
KFVE, KFWB, KNX, KTH		
WOK, WQJ, WRC.		
12	11	10
KNX, KOIL, KPO, KPRC, W		
WOAW, WOK, WQJ.		
1 a. m.	12 m.	11
KFWB, WDAF, WBBM, WF		
WQJ, WSAI.		
2	1 a. m.	12 n
KNX, WBBM, WEBH, WEN		

Sunday, Ma

Eastern	Central	M
9 p. m.	8 p. m.	7
WBBM.		
10	9	8
WBBM, WMBB.		
11	10	9
WMBB.		
12	11	10
KNX, KTHS.		
1 a. m.	12 m.	11
KFWB, WBBM.		
2	1 a. m.	12
KFWB.		

Monday, Ma

Eastern	Central	M
7 p. m.	6 p. m.	5
WBBM, WFAA, WOAW.		
8	7	6
WGBS.		
9	8	7
WCAU, WEAF, WGR, WKI		
10	9	8
KFAB, WEBH, WGR, WKI		
WOK, WSOE.		
11	10	9
KFAB, KFVE, WOK.		
12 m.	11	10
KLX, KNX, KOIL, WAMD,		
1 a. m.	12 m.	11
KFWB, KLX, WAHG, WI		
WOK.		
2 a. m.	1 a. m.	12
KFWB.		

Tuesday, M

Eastern	Central	M
7 p. m.	6 p. m.	5
WMCA, WOAW.		
8	7	6
WBBM, WEAR.		
9	8	7
WBBM, WEAR, WBZ, WS		
10 p. m.	9 p. m.	8
WBBM, WEBH, WMMB, W		

Monday, M

songs; 10, music; 10:15, study ment.

WMAK, Buffalo, N. Y. (266m-1 Murray Whiteman and his Ser program; 9-10, musical progra gram.

WMCA, New York, N. Y. (3 Oliver Vail and his Hotel M 6:30, Rosie Golden and his H 7:30, Kortz Karnival Kings hour; 10-12, Woodmansten Inn Dance orchestra.

WNYC, New York, N. Y., (526m- songs; 7:50, song recital; 8, concert violin recital, songs; 10:55, Richmond chestra.

WOO, Philadelphia, Pa. (508.2m-590kc), 11 a recital; 12:02 p. m., Crystal tea room orch organ recital; 7:30, Ritz Carlton concert Pop concert; 9, A. and P. Gypsies; 10, from WLAF; 11, Adelphia dance orchestra

WOR, Newark, N. J. (405.2m-740kc), 2:30 chestra; Queensland orchestra; 6:30, Jacq Hotel Seaboard ensemble; 7:30, Katinka orch Aeolian Read's hour; 9:30, Helen Schaefmeist 9:45, Zusanne Richmond, violinist; 10, H meister, pianist; 10:15, Zusanne Richmond 11-12 midnight, Hofbrau Haus orchestra.

WPG, Atlantic City, N. J. (299.8m-1000kc), Claridge Haddon Hall tea music; 6:45, o Arthur Brook; 7, Hotel Morton dinner mu dren's hour; 8:40, piano recital; 9, Hotel concert orchestra; 10, vocal recital, Ethel oratorio soprano; 10:15, Galen Hall trio; violinist; Adine Bazozzi, cellist; Ve pianist; 11, Silver Slipper Supper club, Knapp's dance orchestra.

WRC, Washington, D. C. (468.5m-640kc), 12 recital, Henri Smith-Gregor; 12:30 p. selections; 1, Shoreham hotel orchestra; 4 concert.

WRVA, Richmond, Va. (256m-1170kc), 8:10 Lee recital, T. Flavington Harker; 9, Program in "Old Virginia Folk Lore"; Lawrence, blind musician, and his or Carr, Me Back to Old Virginny.

WTAG, Worcester, Mass. (268m-1120kc), musical program; 12:05-2 p. m., noon-c hours; 7:45, "Through Scout"; 9-10, court of music; 10-11, WEAF.

WTAM, Cleveland, Ohio (389.5m-770kc), p. m., Austin Wylie's Vocation Recordin 6:45, Carl Ravo and his Hotel Hollende 8-11, concert orchestra, Women's Ex cream from Grand Opera, Mr. and Mrs. W Hess, John Pierce; 11-12, Austin Wyli Roosting orchestra; 12-1 a. m., Guy L La Royal Canadians.

WTIC, Hartford, Conn. (475.9m-630kc), violin solos, Beatrice Terzan; 12:05 p. club orchestra; 9, John Connon, baritone; obrato; 9:30, Emil Heimberger's Hotel Bond tra; 10, grand opera; 11, Travelers symphonic ensemble; Ann Wheelock.

WWJ, Detroit, Mich. (352.7m-850kc), 12:05 p. m., Jules Klein' Hotel Statler orchestra; 3, Detroit News orchestra; 6, dinner concert; 8, Detroit News orchestra; 9, WEAF program.

Central Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 6-6:30 p. m., dinner concert; 8:30-10:30, Ed Ellinger, original composed; Harriet Cohen, oriole of the air; Glooms Gay, Mike Kopac, pianist; Bellhaven orchestra, Cowbell Boys.

KFH, Wichita, Kans. (268m-1120kc), 10-11 p. m., en-

WKAF, Milwaukee, Wis. (261m-1150kc), 10-11 p. m., Ethel Brenk, soprano; Lucille Meister, violinist; Robert Hall, baritone.

WKRC, Cincinnati, Ohio (325.9m-920kc), 6 p. m., dinner program, Alvin Roehr's orchestra; 8, popular song program; 9, musical program; 12, Kodel midnight frolic, popular music; 12:30 a. m., Wesley Helvey's Troubadours.

WLS, Chicago, Ill. (344.6m-870kc), 6 p. m., studio trio.

WLW, Cincinnati, Ohio (422.3m-710kc), 4 p. m., student recital, pupils of Leo Stoffregen; 7, dinner concert, Hotel Gibson orchestra; 7:30, theatrical feature,

Tuesday, March 9

Headliners Today

Eastern	Central	Mountain	Pacific
3:15 p. m.	2:15 p. m.	1:15 p. m.	12:15 p. m.

WHO (526m-570kc) Jack Little.

joist and Peter DeRose, pianist; 5, Vincent Lopez and his orchestra; 6, dinner music; 7, Margaret Olsen Hamilton, soprano; 7:30, American Composers' program, Harold Vincent Milligan and artists; 8, Blue Ribbon male quartet, **WEEI, WFI, KSD, WCAE, WWJ, WGR, WCCO, WOC;** 8:30, Gold Dust Twins, **WEEI, WFI, WCAE, WGR, WWJ, WOC, WJAR, WCCO, WLIB, WEAR, KSD;** 9, Eveready hour, **WEEI, WFI, WCAE, WGR, WWJ, WOC, KSD, WJAR, WCCO, WTAG, WGN, WEAR, WSAI;** 10, Moment musicale, **WEEI, WFI, WWJ, WGR, WCAE,**

Frida
Wwj; 9
Weei,
Wmbb; 9
Weau,
Kpo, Ks
Whn, W
Weeo; 1
11, Kfw

BOSTON SYMPHONY THROUGH WEEI; AMY WHEELOCK RETURNS TO WTIC

POPULAR CONCERTS INDEX

Saturday, March 6

Eastern	Central	Mountain	Pacific	Stations
7:30 p. m.	6:30 p. m.	5:30 p. m.	4:30 p. m.	WFAA.
8	7	6	5	WAMD, WLS.
9	8	7	6	WBBM, WEAF, WENB, WGBS, WLS, WMAQ, WNYC.
10	9	8	7	KFAB, KPRC, WBBM, WEBH, WENR, WGN, WLS, WMBB, WRLO.
11	10	9	8	KFVE, KFWB, KNX, KTHS, WBBM, WMBB, WOK, WQJ, WRC.
12	11	10	9	KNX, KOIL, KPO, KPRC, WBBM, WEBH, WLS, WOAW, WOK, WQJ.
1 a. m.	12 m.	11	10	KFWB, WDAF, WBBM, WEBH, WENR, WOK, WQJ, WSAI.
2	1 a. m.	12 m.	11	KNX, WBBM, WEBH, WENR, WQJ.

Sunday, March 7

Eastern	Central	Mountain	Pacific	Stations
9 p. m.	8 p. m.	7 p. m.	6 p. m.	WBBM.
10	9	8	7	WBBM, WMBB.
11	10	9	8	WMBB.
12	11	10	9	KNX, KTHS.
1 a. m.	12 m.	11 p. m.	10	KFWB, WBBM.
2	1 a. m.	12 m.	11	KFWB.

Monday, March 8

Eastern	Central	Mountain	Pacific	Stations
7 p. m.	6 p. m.	5 p. m.	4 p. m.	WBBM, WFAA, WOAW.
8	7	6	5	WGBS.
9	8	7	6	WCAU, WEAF, WGR, WKBC, WOK.
10	9	8	7	KFAB, WEBH, WGR, WKBC, WMCA, WOAW, WOK, WSOE.
11	10	9	8	KFAB, KFVE, WOK.
12 m.	11	10	9	KLX, KNX, KOIL, WAMD, WEBH, WHO, WOK.
1 a. m.	12 m.	11	10	KFWB, KLX, WAHG, WDAF, WHT, WKBC, WOK.
2 a. m.	1 a. m.	12 m.	11	KFWB.

Tuesday, March 9

Eastern	Central	Mountain	Pacific	Stations
7 p. m.	6 p. m.	5 p. m.	4 p. m.	WMCA, WOAW.
8	7	6	5	WBBM, WEAR.
9	8	7	6	WBBM, WEAR, WBZ, WSB.
10 p. m.	9 p. m.	8 p. m.	7 p. m.	WBBM, WEBH, WMMB, WOAW.
11 p. m.	10 p. m.	9 p. m.	8 p. m.	KFVE, KFWB, KNX, WBBM, WBT, WMBB, WOK, WQJ.
12 m.	11	10	9	KNX, KOIL, KPO, WAMD, WBBM, WEBH, WEBH, WKBC, WMC, WOK, WQJ.
1 a. m.	12 m.	11	10	KFWB, KNX, WFAA, WHT, WOAW, WOK, WQJ.
2	1	12 m.	11	KFWB, WQJ.

Wednesday, March 10

Eastern	Central	Mountain	Pacific	Stations
8 p. m.	7 p. m.	6 p. m.	5 p. m.	KFNF, WAHG, WEBJ, WEEI, WMCA.
9	8	7	6	WBBM, WEBJ, WGCP, WNYC.
10	9	8	7	KFAB, KPRC, WBBM, WEBH, WGCP, WHO, WMBB.
11	10	9	8	KFAB, KFVE, KGW, KPO, KWSC, KYW, WBBM, WHN, WMBB, WOK, WQJ.
12 m.	11	10	9	KFWA, KFWB, KNX, KYW, WAMD, WEBH, WOK, WQJ, WSAI.
1 a. m.	12 m.	11	10	KNX, KYW, WBBM, WHT, WOK, WQJ.
2	1 a. m.	12 m.	11	KFWB, KNX, WBBM, WOK, WQJ.

Thursday, March 11

Eastern	Central	Mountain	Pacific	Stations
8 p. m.	7 p. m.	6 p. m.	5 p. m.	WCAE, WEAF, WJAR, WMC, WOC, WSAI.
9	8	7	6	WBBM, WHAD.
10	9	8	7	KMA, WBBM, WEBH, WEEI, WHAD, WHN, WMBB, WMC, WNYC, WOAW, WSOE.
11	10	9	8	KHJ, KMA, KYW, WBBM, WMBB, WOK, WQJ.
12 m.	11	10	9	KHJ, KTAB, KOIL, WBBM, WDAF, WEBH, WFAA, WKBC, WOC, WOK, WQJ.
1 a. m.	12 m.	11	10	KFWB, KHJ, WHT, WOK, WQJ.
2	1 a. m.	12.m.	11	KNX, WQJ.

Friday, March 12

Eastern	Central	Mountain	Pacific	Stations
8 p. m.	7 p. m.	6 p. m.	5 p. m.	WGCP, WJR.
9	8	7	6	WAMD, WBBM, WGR, WLS.
10	9	8	7	KFAB, WBBM, WEBH, WMC, WDAF, WHAD, WMBB, WOAW, WSOE.
11	10	9	8	KFVE, KFWA, KHJ, KLX, KYW, WMBB, WOK, WQJ.
12 m.	11	10	9	KFWB, KHJ, KNX, KOIL, WAMD, WEBH, WMC, WOK, WQJ.
1 a. m.	12 m.	11	10	KFWB, KHJ, WDAF, WHT, WOK, WQJ.
2	1 a. m.	12 m.	11	KNX, WQJ.

"Radio Sunshine Girl" is the title given Nina Smiley, left, who sings at WMBB Sunday afternoons. Miss Smiley has attained considerable success as a composer and often sings her own songs. Hawaiian music fills the air when Willard Van Buren and Joe Guyman, below, invade the studio of WSOE, Milwaukee. Merlyn H. Gillette, right, does not always wear a ruff. He appeared in this kind of a collar when he sang in an operatic role at WCCO, recently. Mr. Gillette is a frequent visitor at this station.

Monday, March 8

songs; 10, music; 10:15, study club; 10:30, entertainment.

WMAK, Buffalo, N. Y. (266m-1130kc), 7:30-8:30 p. m., Murray Whiteman and his Serenaders; 8:30-9, musical program; 9-10, musical program; 10-11, musical program.

WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Olcott Vail and his Hotel McAlpin string ensemble; 6:30, Ernie Golden and his Hotel McAlpin orchestra; 7:30, Kurtz Karnival King; 8, Terminal musical hour; 10:15, Woodmansten Inn orchestra; 11:30, Jack Denny's orchestra.

WNYC, New York, N. Y., (526m-570kc), 6:20 p. m., songs; 7:30, song recital; 8, concert program; 9:30, violin recital, song; 10:35, Richmond Versatile orchestra.

WOO, Philadelphia, Pa. (508.2m-590kc), 11 a. m., organ recital; 12:02 p. m., Crystal tea room orchestra; 4:45, organ recital; 7:30, Ritz Carlton concert orchestra; 8, Pop concert; 9, A. and P. Gypsies; 10, Grand opera from WEAF; 11, Adelphia dance orchestra.

WOR, Newark, N. J. (405.2m-740kc), 2:50 p. m., Orchestra; Queensland orchestra; 6:30, Jacques Jacobi's Hotel Shelton ensemble; 7:30, Kathleka orchestra; 8:30, At Bell hour; 9:30, Helen Schaffmeister, pianist; 9:45, Zu anne Richmond, violinist; 10, Helen Schaffmeister, pianist; 10:15, Zu anne Richmond, violinist; 11-12 midnight, Hofbrau Haus orchestra.

WPG, Atlantic City, N. J. (299.8m-1000kc), 4:30 p. m., Chalfonte Haddon Hall tea music; 6:45, organ recital, Arthur Brook; 7, Hotel Morton dinner music; 8, children's hour; 8:40, piano recital; 9, Hotel Ambassador concert orchestra; 10, vocal recital, Ethel Dobson, coloratura soprano; 10:15, Galen Hall trio; Phyllis Herbine, violinist; Adine Barozzi, cellist; Vera Chadsey, pianist; 11, Silver Slipper Supper club, Eddie McKnight's dance orchestra.

WRC, Washington, D. C. (468.5m-640kc), 12 noon, organ recital, Henri Sokolt-Greger; 12:30 p. m., Lenten services; 1, Shoreham hotel orchestra; 4:30, musical program.

WRVA, Richmond, Va. (256m-1170kc), 8:10 p. m., organ recital, F. Flaxington Harker; 9, Dr. Douglas Freeman in "Old Virginia Folk Lore"; 9:15, Harold Lawrence, blind musician, and his orchestra; 11, Carry Me Back to Old Virginny.

WTAG, Worcester, Mass. (268m-1120kc), 10:30 a. m., musical program; 12:05-2 p. m., noon-day luncheon music; 7:15, "Twilight Scouts"; 9-10, Robin Hood hour of music; 10-11, WEAF.

WTAM, Cleveland, Ohio (389.5m-770kc), 12:15-1:30 p. m., Austin Wylie's Vocalion Recording orchestra; 6-7, Carl Rupp and his Hotel Hollenden orchestra; 8-11, symphony orchestra, Women's Exposition; excerpts from Grand Opera, Mr. and Mrs. Wheeler, Doris Howe, John Pierce; 11-12, Austin Wylie's Vocalion Recording orchestra; 12-1 a. m., Guy Lombardo and his Royal Canadians.

WTIC, Hartford, Conn. (475.9m-630kc), 11:25 a. m., violin solo, Beatrice Tergan; 12:05 p. m., Travelers club orchestra; 9, John Condon, baritone, Irene Paul, soprano; 9:30, Emil Heimberger's Hotel Bond orchestra; 10, grand opera; 11, Travelers symphonic ensemble; Amy Wheelock.

WWJ, Detroit, Mich. (352.7m-850kc), 12:05 p. m., Jules Klein's Hotel Statler orchestra; 3, Detroit News orchestra; 6, dinner concert; 8, Detroit News orchestra; 9, WEAF program.

Central Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc) 0-6:30 p. m., dinner concert; 8:30-10:30, Ed Ellington, original [illegible] Harold [illegible] of the air; Gloomy [illegible], Mike Kopac, pianist, Belshaw's orchestra, Lowell Boys.

KFH, Wichita, Kans. (268m-1120kc), 10-11 p. m., entertainers; 12:15-1:15 a. m., Harry Hunts' Imperial orchestra.

KFRU, Columbia, Mo. (499.7m-600kc), 4:30 p. m., Bella Vista Quadrangle orchestra; 6:15, dinner music.

KMA, Shenandoah, Iowa (252m-1190kc), 11:30-12:30 p. m., noonday rural program; 6-7, popular music; 9-11, Farnham trio; How-Do-You-Do Boys.

KPRC, Houston, Tex. (296.9m-1010kc), 12 noon, Frank Tilton, blind wonder boy pianist; 7:30 p. m., Record's Ramblers dance orchestra; 8:30, concert; 9, Houston Municipal orchestra.

KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., Rader instrumental quartet; 9, Mu Phi Epsilon concert.

KSO, Clarinda, Iowa (241.8m-1240kc), 7-7:30 p. m., music; 7:30-9:30, old-time music, Wes Miller; Hay Mow Five contest.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9-9:10 p. m., New Arlington string trio; 9:40-9:55, Southland classics; 10-11, Pooley hour frolic.

KUOA, Fayetteville, Ark. (299.8m-1000kc), 8 p. m., Epworth league male quartet.

KYW, Chicago, Ill. (535.4m-560kc), 12:05-1 p. m., noonday concert; 1-2, luncheon concert; 6-7, dinner musical.

WAMD, Minneapolis, Minn. (244m-1230kc), 6:15 p. m., string orchestra; 7:01, Garrick symphony orchestra; 11, George Osborn and his orchestra.

WBAP, Fort Worth, Tex. (475.9m-630kc), 6-6:30 p. m., Texas hotel orchestra; 7:30-8:30, Grapevine fiddle band; 9:30-11, Ward's Trail Blazers; 11-12, Majestic theater.

WBBM, Chicago, Ill. (226m-1330kc), 4-6 p. m., Harry Sosnik; Irene Beasley; Jack Pennewell and Freddy Pabulter; Court Banks; Joe McManus; Edna Wheeler Ballard, harpist; 6-7, Beulah Mowers, pianist; Two Jays; Charlie Garland; Barber Shop Three; Floyd Falch; Fair and Warner, two pianos; Dave Handler, violinist.

WCAL, Northfield, Minn. (336.9m-890kc), 8:30 p. m., musical program, college quartet; girls' sextet; Bernice O'Hara, violinist.

WCAR, San Antonio, Tex. (263m-1140kc), 8-10 p. m., musicale.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 12 noon, concert, Donaldson's orchestra; 2:30 p. m., afternoon concert; 6:30, dinner concert, Gordon Cooke ensemble, Meta Ashwin Birnbach, soprano; Louise Lupien Jenkins, accompanist; 8, University of Minnesota program; 9, classical concert, Fred Albrecht's Osman Temple band.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., Trianon ensemble; 8-9:30, program, Ivanhoe band; Al Cossetta, tenor; Mrs. R. O. Snivels, soprano; Mrs. Virginia Sowers, accompanist; 11:15-1 a. m., Ted Weems' Victor Recording orchestra.

WFAA, Dallas, Tex. (475.9m-630kc), 12:30-1 p. m., Paul D. Ray, pianist; 1:30-5, Cyrus Barcus, cornetist; 6:30-7:30, Honey Boys' orchestra; 8:30-9:30, Sears-Roebuck Agricultural program.

WHAS, Louisville, Ky. (399.8m-750kc), 1-2 p. m., concert, Royal Peacock orchestra; 3-3:30, Mrs. Myrtle Folk Zahn, Jr., organist; 4-5, concert, Music Box Extension studio.

WHB, Kansas City, Mo. (365.6m-820kc), 2-3 p. m., ladies' hour; 7-8, Sweeney Radio orchestra; May Nelson, popular songs; Thelma Cresop, pianist.

WHO, Des Moines, Iowa (526m-570kc), 2:15 p. m., Jack Little; 7:30-8, Paul Stove, pianist; 8-9, Fort Dodge Municipal band; 11-12, L. Carlos Meier, organist.

WHT, Chicago, Ill. (399.8m-750kc), 10 a. m., Helen Rauh, pianist; 12 noon, Al Carney's organ recital.

WKAF, Milwaukee, Wis. (261m-1150kc), 10-11 p. m., Ethel Brenk, soprano; Lucille Meister, violinist; Robert Hall, baritone.

WKRC, Cincinnati, Ohio (325.9m-920kc), 6 p. m., dinner program, Alvin Roehr's orchestra; 8, popular song program; 9, musical program; 12, Kodel midnight frolic, popular music; 12:30 a. m., Wesley Helvey's Troubadours.

WLS, Chicago, Ill. (344.6m-870kc), 6 p. m., studio trio.

WLW, Cincinnati, Ohio (422.3m-710kc), 4 p. m., student recital, pupils of Leo Stoffregen; 7, dinner concert, Hotel Gibson orchestra; 7:30, theatrical feature; 8, Cincinnati Times-Star orchestra, William Kopp, director.

WMAQ, Chicago, Ill. (447.5m-670kc), 4:35 p. m., pupils, Glenn Dillard Gunn school of music; 5, games for the home, Glenn D. Adams; 6, Chicago theater organ recital; 6:30, Hotel La Salle orchestra.

WMAZ, Macon, Ga. (261m-1150kc), 9 p. m., Georgia Sirens orchestra; 10-11, Wesleyan college student night.

WOAW, Omaha, Nebr. (526m-570kc), 6:20 p. m., Frank Peterson, tenor; Helen Higgins, pianist; 6:50, Royal Fontenelle orchestra; 9, classical.

WOI, Ames, Iowa (270m-1110kc), 7:50 p. m., Alumni program.

WSAI, Cincinnati, Ohio (325.9m-920kc), 10 p. m., Cincinnati community program.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., entertainment; 10:45, Vick Myers orchestra.

WSM, Nashville, Tenn. (282.8m-1060kc), 6:30 p. m., concert, Francis Craig's orchestra; 8, program, Margaret Pittman and associate artists; 10, program, Vito Pellettieri's orchestra.

WSMB, New Orleans, La. (319m-940kc), 9:30 p. m., St. Charles theater orchestra; Dixola Novelty orchestra, Strand theater orchestra; Fuzzy Wuzzy Twins.

WSUI, Iowa City, Iowa (483.6m-620kc), 12:30 p. m., Mrs. Dorothy Spencer, soprano; 7:30, Ohio-Iowa basketball game; 8:50, musical concert.

Mountain Time Stations

KFXF, Colorado Springs, Colo. (250m-1200kc), 8:30-10:30 p. m., soprano solos, Mrs. Kingsley Ballou.

KOA, Denver, Colo. (322.4m-930kc), 12:15 p. m., Marjorie Nash, organist; 6:30, Brown Palace string orchestra; 8, Spanish, Prof. A. L. Knecht; 8:30, KOA orchestra; 9:30, KOA orchestra.

KSL, Salt Lake City, Utah (299.8m-1000kc), 8 p. m., program, Crawford Furniture company; 9, Royal Baking company.

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 5:30-6 p. m., Owen Fallon's Californians; 6, nightly doings; 6:15, Seeing California; 6:30, vest pocket program; 6:45, Radiotorial period; 7-8, Eleanor Woodford, soprano; 8-9, Louise Klos trio, violin, cello and harp; 9-10, program, Walter M. Murphy Motors company, KPO, Mischa Gegna string orchestra, Thomas Manchini, concert violinist; 10-11, popular program arranged by Meiklejohn Brothers.

KFOA, Seattle, Wash. (454.3m-660kc), 12:30-1:30 p. m., Lions' club luncheon program; 7-8:15, Sherman Clay and company program; 8:30-10, Times program.

KFON, Long Beach, Calif. (336.9m-1290kc), 6:30 p. m., Brayton's theater organ; 7-8, Investors' hour with orchestra; 8-9, Press-Telegram studio; 9-11, the Venetians dance orchestra.

KFWB, Hollywood, Calif. (252m-1190kc), 6-7 p. m., dinner music, Fitzgerald Music company; 7:30-8, program, Dr. Ralph Mitchell and Friendly Dentists' orchestra; 8-9, Bill Hatch's Oakmont Country club dance orchestra; 9-10, program, Star Motor company, featuring Million Dollar Four orchestra; Tom Breneman, baritone; Sol Hoopii's Hawaiians; 10-11, Warner Brothers' frolic.

KGO, Oakland, Calif. (361.2m-830kc), 3-4 p. m., Eva F. Hicks, soprano; Louise Potes, pianist; Mitchell Landis, baritone; 6-6:55, Knickerbocker trio; 8, Arlon trio; 9:15, Arlon trio.

KLX, Oakland, Calif. (508.2m-590kc), 6:30-7 p. m., Athens Athletic club orchestra; 9-10:30, Lake Merritt Ducks.

KMTR, Hollywood, Calif. (238m-1260kc), 7:15 p. m., Y. M. C. A. musical hour; 8-10, KMTR concert orchestra, Loren Powell, director; 10-11, Starr Piano company studio.

KNX, Hollywood, Calif. (336.9m-890kc), 5-5:30 p. m., Sunny Jim's talk; 5:30, Leighton's cafeteria orchestra; 6, Town Tattler; 6:15, travel talk, W. F. Alder; 6:30-7, Atwater Kent concert orchestra; 7-7:30, Mutual Motors mirth contest; 7:30-8, program, Overell's Furniture company; 8-9, program, L. W. Stockwell company; 9-10, KNX feature program; 10-11, Goodrich Silvertown Cord dance orchestra; Lilyan May Challenger, contralto; 11-12 midnight Cocoanut Grove dance orchestra from Ambassador.

KPO, San Francisco, Calif. (428.3m-700kc), 1-2 p. m., Rudy Seiger's Fairmont hotel orchestra; 2:30-3:30, matinee program; 6:30-7, Waldemar Lind and the States Restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel orchestra; 8-9, Uda Waldrop, organist; 10-11, Cabiria cafe dance orchestra.

KTAB, Oakland, Calif. (240m-1250kc), 12-1 p. m., luncheon concert; 8-10, program.

KWSC, Pullman, Wash. (348.6m-860kc), 7:30-9 p. m., special program, Colfax Chamber of Commerce.

Tuesday, March 9

Headliners Today

Eastern	Central	Mountain	Pacific	
3:15 p. m.	2:15 p. m.	1:15 p. m.	12:15 p. m.	WHO (526m-570kc) Jack Little.
9 p. m.	8 p. m.	7 p. m.	6 p. m.	WHO (526m-570kc) Jack Little. WLW (422.3m-710kc) Old-time review. WSB (428.3m-700kc) Kimo Kohohis Moonlight Five.
10	9	8	7	WBAL (246m-1220kc) "Cavalleria Rusticana," grand opera.
10:05	9:05	8:05	7:05	WIP (508.2m-590kc) Motion picture stars.
10:30	9:30	8:30	7:30	KTHS (374.8m-800kc) Mill male quartet. WBAP (475.9m-630kc) Rodeo.
11	10	9	8	KTHS (374.8m-800kc) Folk music of Pueblo and Sioux Indians.
11:05	10:05	9:05	8:05	WCCO (416.4m-720kc) Radio drama, "A Step on the Stairs."

Tuesday, silent night for: CFCA, CHIC, CKNC, CKY, CNRC, CNRE, CNRM, CNRO, CNRW, CNRT, KFKX, KFKU, KUOA, KFUO, KFWA, KYX, KOA, KOAC, KOB, KOWW, KUOM, KWSC, WABQ, WAHG, WAMD, WBBR, WCAD, WCAL, WCAP, WGCP, WGST, WHAD, WHAZ, WJAD, WJAZ, WKAF, WKAQ, WLWL, WOI, WOS, WRVA, WSMB, WSUI, WTAM, WTIC.

DANCING

Central Time

Saturday, March 6: 8, Wjr, Wsmc, Wpg; 8:30, Wfaa, 8:45, Wgy; 9, Webh, Weei, Wmbb, Wnyc, Wcco; 9:10, Kths, Wip; 9:30, Kths, Wgbs, Wor, Wrc; 10, Kfve, Kfwa, Koa, Kpo, Weaf, Wgn, Wjr, Wkrc, Wmca, Wnyc, Wor, Wqj, Wreo, Wtam; 10:15, Wcco; 10:30, Wamd; 10:45, Wls; 11, Kfoa, Kfwa, Kfwb, Kpo, Webh, Wfaa, Wgbu, Who, Woc; 11:30, Kfoa; 11:45, Wdaf; 12, Kfwa, Kgo, Kgw, Knx, Wgbu, Wjjd.

Monday, March 8: 8, Wgcp; 9, Weei, Wgbu, Wjar, Wor; 9:15, Wahg; 10, Kths, Webh, Wgcp, Wgr, Wnyc, Woc; 10:15, Wor; 10:30, Kfoa, Wgcp, Whn; 11, Knx, Koil, Wgbu, Wgcp, Wgr, Whn, Who; 11:45, Wdaf; 12, Knx, Kpo.

Tuesday, March 9: 9, Webh, Wgbu, Wmbb; 9:30, Wcae, Wip, Wgy, Wip; 9:35, Woc; 10, Kfve, Wgbu, Weaf, Webh, Wgbu, Wen, Whn, Wmca, Wnyc, Wsb; 10:15, Kths; 10:30, Koil, Whn; 10:45, Wsb; 11, Kgw, Koil, Wgbu, Wfaa; 11:30, Kfoa; 11:45, Wdaf; 12, Kgw, Khj, Knx, Kpo, Wdaf; 1, Wqj.

Wednesday, March 10: 9, Wcs, Wgbu, Wgcp, Who, Wmbb, Wtic, 9:15, Wahg, Wbap, Who, Wor, Kfve, Wbap, Weaf, Wgcp, Wqj, Wcco; 10:30, Wbap, Whn; 11, Koil, Kpo, Wgbu, Wgcp, Wgr, Whn; 11:45, Wdaf; 12, Kfwa, Knx, Kpo, Wjjd.

Thursday, March 11: 8, Wjr; 9, Weei, Wgbu, Wmbb, Wjr, Wbz, Wip, 9:05, Wgy, Whn, Wgbs, Wnyc; 10, Kths, Wbap, Weaf, Wgbu, Whn, Wgbs, Wqj, Webh, Woc, Wdaf, Kgo, Khj, Knx, Wjjd.

Friday, March 12: Wsp, Weei, Wmbb, Webb, Wgcp, Weau, Kpo, Kths, Whn, Wrrp, Wcco, Kfwb.

Eastern Time Stations

CKAC, Montreal, Can. (410.7m-730kc), 7:15 p. m., Windsor hotel dinner hour; 8:15, Frontenac Breweries concert; 10:30, dance program.

KDKA, Pittsburgh, Pa. (309.1m-970kc), 12:30 p. m., Trinity church Lenten services; 5:15, Daddy Winkum; 6:30, dinner concert; 8:30, sacred song program; 9, musician's club; 11:35, concert.

WAHG, Richmond Hill, N. Y. (315.6m-950kc), 12 noon, musicale.

WBAL, Baltimore, Md. (246m-1220kc), 6:30-7:30 p. m., WBAL dinner orchestra; 7:30-8, WBAL male quartet; 8-9, Louise Cline, soprano; George Botek, pianist; James Wilkinson, baritone; 9-10, WBAL string trio; 10-11, WBAL opera company, "Cavalleria Rusticanna."

WBBR, New York, N. Y. (273m-1100kc), 8 p. m., Josephine Locke, violinist; 8:10, Mrs. Benjamin Brown, contralto; 8:40, Mrs. Benjamin Brown, contralto; 8:50, Josephine Locke, violinist.

WBZ, Springfield, Mass. (333.1m-900kc), 6:45 p. m., Hotel Lenox ensemble.

WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert, William Penn hotel; 8, WEAF program; 8:30, WEAF program; 9, WEAF program; 10, WEAF program; 11, Kenyon theater.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:45 p. m., Parodians dance orchestra; 7:30, Snellenburg symphony trio; 8:10, The Three Brothers; 8:35, playlet; 9, Robert Frazer, blind Gospel singer; Elizabeth Holtz, pianist; 9:30, Sea Gulls dance orchestra; 10, Sam Gold, murmuring baritone; 10:30, Cathay Tea Garden dance orchestra.

WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., dinner program, Goldkette ensemble; 10-2 a. m., Red Apple club.

WDBO, Winter Park, Fla. (239.9m-1250kc), 9-10:30 p. m., entertainment; Angebilt trio.

WEAF, New York, N. Y. (491.5m-610kc), 4 p. m., Carman Learn, baritone; 4:15, May Singhi Breen, banjoist and Peter DeRose, pianist; 5, Vincent Lopez and his orchestra; 6, dinner music; 7, Margaret Olsen Hamilton, soprano; 7:30, American Composers' program, Harold Vincent Milligan and artists; 8, Blue Ribbon male quartet, WEEI, WFI, KSD, WCAE, WWJ, WGR, WCCO, WOC; 8:30, Gold Dust Twins, WEEI, WFI, WCAE, WGR, WWJ, WOC, WJAR, WCCO, WLIB, WEAR, KSD; 9, Eveready hour, WEEI, WFI, WCAE, WGR, WWJ, WOC, KSD, WJAR, WCCO, WTAG, WGN, WEAR, WSAI; 10, Moment musicale, WEEI, WFI, WWJ, WGR, WCAE, WTAG, KSD, WEAR; 10:30, Vincent Lopez and his orchestra, WEEI, WFI, WWJ, WGR, WCAE, WTAG, KSD, WEAR; 11-12 midnight, Ross Gorman and his orchestra.

WEAR, Cleveland, Ohio (389.4m-770kc), 7 p. m., State theater vaudeville and music; 8:30, WEAF program; 9, WEAF program; 10, WEAF program; 10:30, WEAF program; 11, Wormack's Singing Syncopators.

WEBJ, New York, N. Y. (272.6m-1100kc), 7 p. m., Dan Barnett's orchestra; 7:45, Isabel Henderson, soprano; 8:15, Anthony Wayne, the singing reporter; 8:30, McLean's dance orchestra.

WEEI, Boston, Mass. (348.6m-860kc), 3:05 p. m., Eugene's singing orchestra; 5, Joe Herlihy's Collegians; 6:05, George Joy and Nell Cantor, popular songs; 6:45, Big Brother club; 7:30, musical; 8-10:30, WEAF.

WFI, Philadelphia, Pa. (394.5m-760kc), 1 p. m., Tea room ensemble; 3, Philadelphia Music club; 6:30, Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra; 8, Blue Ribbon male quartet; 8:30, Gold Dust Twins; 9, Eveready hour; 10, WEAF; 10:30, Vincent Lopez and his orchestra.

WGBS, New York, N. Y. (315.6m-950kc), 1:30 p. m., Inez Nadari, soprano; 3, "MacDowell Colony," Gilbert Seldes; 3:15, Henrietta Mayer, soprano; music lesson, Dr. Robyn; 7, Arrowhead Inn concert orchestra; 8:30, Threshold Players production; 9, Crystal Palace orchestra; 10:30, Arrowhead Inn dance orchestra.

WGCP, New York, N. Y. (252m-1190kc), 3 p. m., Ona Welsh, pianist; 3:30, Isabelle Henderson, soprano; 3:45, 20th Century entertainers; 4:15, Leslie McLeod, tenor; 4:30, Max Heitt, violinist; Bob McDonald, ukulele.

WGHP, Detroit, Mich. (270m-1110kc), 6-7 p. m., dinner concert, Hotel Tuller; 8-10, Funsters; Skylark dance band; 12-1 a. m., Gerald Marks and his orchestra.

WGY, Schenectady, N. Y. (379.5m-790kc), 2:30 p. m., Stephen E. Boisclair, organist; 6:30, Hotel Van Curler orchestra; 7:45, Marine band, WRC; 8:30, WJZ; 9:35, compositions, Avis Larsen Richardson, pianist; Phyllis Frear, soprano; William Fay, baritone; 10:30, Asta club orchestra.

WHAR, Atlantic City, N. J. (275.1m-1090kc), 8 p. m., Seaside hotel trio.

WHN, New York, N. Y. (361.2m-830kc), 12:30-1 p. m., Lexington organ recital; 2, Loew's State overture; 2:15, Loew's State vaudeville; 6, Treasureland Neighbors; 6:30, Everglades orchestra; 7, Iceland orchestra; 7:30, Will Oakland's Chateau Shanley; 8, People's hour; 9, Loew's orchestra; 9:30, Ridgley's Versatile screnaders; 10:15, Johnny Marvin, artist; 10:30, Avalon club orchestra; 11:30, At Raymo's entertainers; 12 midnight, Harry Richman and his entertainers.

WIP, Philadelphia, Pa. (508.2m-590kc), 1 p. m., organ recital; 3, program, Greater Camden Radio show; 6:05, Monte Cross, "Old-Timer"; 6:15, Nelson Maples and his S. S. Leviathan orchestra; 7, Uncle Wip's bedtime stories; piano and violin duet, Aaron Gold and Allen Wollman; 10:05, Emo's movie talk, direct from Greater Camden Radio Show, featuring famous movie stars.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Glover-Watson quare dance orchestra; 8, Jean Goldkette's orchestra.

WJZ, New York, N. Y. (454.3m-660kc), 1 p. m., Hotel Pennsylvania concert orchestra; 4:30, Hotel Commodore concert orchestra; 7:30, U. S. Marine band; 10:15, George Olsen's Hotel Pennsylvania grill orchestra.

WLIT, Philadelphia, Pa. (394.5m-760kc), 11 a. m., organ recital; 12:02 p. m., daily almanac; Stanley theater organ recital; Arcadia cafe concert orchestra; 2, Arcadia cafe concert orchestra; 4:30, Dorothy Bang, contralto; Leah Trabich, pianist; John Christenzio, novelty saw; 7:30, Dream Daddy's bedtime stories; 7:50, theater talk, Allyn C. Sauer.

WMAK, Buffalo, N. Y. (266m-1130kc), 6:15-7:15 p. m., [illegible]

WMCA, New York, N. Y. (340.7m-880kc), 12 noon, Jack Cohen, pianist; 6 p. m., Olcott Vail and his Hotel McAlpin string ensemble; 6:30, Woodmansten Inn orchestra; 7, Jack Denny's orchestra; 8:15, Landay revellers; 10:30, Tango Gardens orchestra; 11, Ernie Golden and his Hotel McAlpin orchestra; 12 midnight, McAlpin entertainers.

WNYC, New York, N. Y. (526m-570kc), 7:10 p. m., The Canadians; 7:35, The Canadians; 8, song recitals; 8:30, male quartet; 9, violin recital; 9:30, instrumental novelty; 10, Hotel St. George orchestra.

WOO, Philadelphia, Pa. (508.2m-590kc), 11 a. m., organ recital; 12:02 p. m., crystal tea room orchestra; 4:45, organ recital; 7:30, concert.

WPG, Atlantic City, N. J. (299.8m-1000kc), 6:45 p. m., organ recital, Arthur Brook; 7, Elks' Home dinner music; 8:15, Plaza hotel artists; Cecile Steiner, violinist; Margaret Irwin, pianist; Rose Newman, soprano; 9, Chalfonte-Haddon Hall dual trio; 10, Hotel Traymore dance orchestra; 10:30, Karl Bonawitz, piano recital; 11, Silver Slipper Supper club, Eddie McKnight's dance orchestra.

WRC, Washington, D. C. (468.5m-640kc), 12 noon, George F. Ross, organist; 12:30 p. m., Lenten services; 1, Hotel Washington orchestra, 7:30, concert; 10:30, W. Spencer Tupman and his Hotel Mayflower orchestra; 11:30, Otto F. Beck, organist.

WTAG, Worcester, Mass. (268m-1120kc), 10:30 a. m., musical program; 12:05-2 p. m., noon-day luncheon music; 9-10, WEAF program; 10:10-10:30, WEAF program; 10:30-11, Vincent Lopez and his orchestra.

WTAM, Cleveland, Ohio (389.5m-770kc), 12:15-1:30 p. m., Guy Lombardo and his Royal Canadians; 6-7, Guy Lombardo and his Royal Canadians.

WWJ, Detroit, Mich. (352.7m-850kc), 12:05 p. m., Jules Klein's Hotel Statler orchestra; 3, Detroit News orchestra; 6, dinner concert; 8, WEAF program.

Central Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., dinner concert; 8:05-10:30, University of Nebraska.

KFDM, Beaumont, Tex. (315.6m-950kc), 12:30-1 p. m., Refinery band concert; 8-10, musical program.

KFH, Wichita, Kans. (268m-1120kc), 10-11 p. m., McVicar-Howard quartet.

KFRU, Columbia, Mo. (499.7m-600kc), 4:30 p. m., Bella Vista Quadrangle orchestra; 6:15, dinner program.

KLDS, Independence, Mo. (441m-680kc), 8:15 p. m., studio program; Corinne Haines French, soprano; Cammie Johnston, organist; Glen Fairbanks, tenor; Mrs. James Terryel, contralto; Christine Green, soprano; Irene Burroughs, violinist; 11:59, midnight program, Herbert Johnson, boy soprano; requests.

KMA, Shenandoah, Iowa (252m-1190kc), 11:30-12:30 p. m., noonday rural program; 6-7, May Flower trio; 9-11, May's mandolin musicians.

KPRC, Houston, Tex. (296.9m-1010kc), 7:30 p. m., Billie Mack's dance orchestra; 8:30, studio concert.

KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., WEAF program.

KSO, Clarinda, Iowa (241.8m-1240kc), 7-7:15 p. m., Finley and Hutchings; 7:30-9:30, Berry's orchestra.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9-9:30 p. m., Eastman hotel orchestra; 9:30-10, Valley Mill male quartet; 10-10:35, folk music; 10:35-11:15, New Arlington hotel Meyer Davis orchestra.

KUOA, Fayetteville, Ark. (299.8m-1000kc), 8 p. m., University of Arkansas glee club.

KYW, Chicago, Ill. (535.4m-560kc), 12:05-1 p. m., noonday concert; 1-2, luncheon concert; 4, afternoon frolic; 6-7, dinner music; 8-9, musical program; 9, music hour; 10, evening at home; 11:10, Congress hotel; 1 a. m., Insomnia club.

WBAP, Fort Worth, Tex. (475.9m-630kc), 12:05-12:30 p. m., Fred Cahoon's orchestra; 6-6:30, Texas hotel orchestra; 7:30-8:30, Baptist seminary; 9:30-11, Southwestern Exposition and Fat Stock show.

WBBM, Chicago, Ill. (226m-1330kc), 4-6 p. m., Sandy and Harry; Arnold Stephenson; Sidney Nireman, pianist; Harold Morava, lyric tenor; Russel Myers; 8-9, Sandy and Harry; Moulin Rouge orchestra; Phil Flemming, tenor; Jean St. Anne, baritone; Christian A. Grimm, pianist; Bob York, tenor; 9-12 midnight, Jack Crawford's Alemite orchestra; Ariston trio; Barber Shop Three; Pete Kules; Ziegler Sisters; Vorris Worthley, tenor; Two Jays; Charlie Garland; Floyd Falch.

WCAR, San Antonio, Tex. (263m-1140kc), 8-10 p. m., Loraine Hoover and his Rhythm Kings.

WCBD, Zion, Ill. (344.6m-870kc), 8 p. m., choir, string quartet; William Dunn, euphonium soloist; Paul Stewart, cornetist; Rendall Brothers, duettists; Mrs. Crow and Ralph Bull, duettists; duets, Miss Sweeney, Mrs. Ralph Pihl; Mary Sweeney, soprano; Evelyn Schultz, reader; Eleanor Pihl, pianist.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6:15 p. m., dinner concert, Emmet Long's Golden Pheasant orchestra; 7, WEAF program; 10:05, Radio drama, "A Step on the Stairs."

WDAF, Kansas City, Mo. (365.6m-820kc), 3:30-4:30 p. m., Star's string orchestra; Trianon ensemble; 11:45-1 a. m., Ted Weems' Victor Recording orchestra; Ted Meyn, organist.

WEAO, Columbus, Ohio (293.9m-1020kc), 7 p. m., university chimes; 7:35, campus program.

WEBH, Chicago, Ill. (370.2m-810kc), 7 p. m., Oriole orchestra; 8, Lydia Lochner, contralto; Oriole marimba band; Kathryn Forbes, soprano; 9-9:45, Uptown theater; 11, Oriole orchestra; 12:30 a. m., trombone duets, Mark Fisher.

FARMERS' PROGRAMS INDEX

Farmer Dinner Concerts

Daily Except Sunday
CENTRAL TIME
KFNF, 12:15-1:35 p. m.
KMA, 11:30-12:30
KSO, 12:30-1:30 p. m.
WLS, 12 noon.

Saturday, March 6

Eastern	Central	Mountain	Pacific	
1 p. m.	12 noon	11 a. m.	10 a. m.	KPRC (296.9m-1010kc) Farmers' educational and musical program
1:45	12:45	11:45	10:45	WOI (270m-1110kc) Soils, questions and answers.
8	7	6 p. m.	5 p. m.	KDKA (309.1m-970kc) Farm program.

Sunday, March 7

Eastern	Central	Mountain	Pacific	
3:30 p. m.	2:30 p. m.	1:30 p. m.	12:30 p. m.	WFAA (475.9m-630kc) Sunday hour for farmers.

Monday, March 8

Eastern	Central	Mountain	Pacific	
1:15 p. m.	12:15 p. m.	11:15 a. m.	10:15 a. m.	WEAO, (293.9m-1020kc) Timely Economic Information for the Farmer, C. J. West.
1:35	12:35	11:35	10:35	KSAC (340.7m-880kc) "Insure Thrifty Chicks and Pullets," J. McAdams. "Silage for Next Winter," J. Linn.
1:45	12:45	11:45	10:45	WOI (270m-1110kc) "How to Condition the Farm Horse for Spring Work," Dr. H. E. Bemis. WMAQ (447.5m-670kc) Radio farm school.
7	6	5 p. m.	4 p. m.	WGY (379.5m-790kc) Agricultural program.
7:45	6:45	5:45	4:45	WSOE (246m-1220kc) Hog Raising.
8	7	6	5	KSO (242m-1240kc) Farm talk.
8:15	7:15	6:15	5:15	KSAC (340.7m-880kc) "Pasture Crops for Sheep," H. Reed. "The Modern Chick Prefers the Open Front Portable House," H. Steup.
8:30	7:30	6:30	5:30	KUOA (299.8m-1000kc) "Farm Filosofy," Cy Adams; "Ton Litters," M. Muldrow. "The Lawn," J. Cooper. "Better Home Demonstration as a Community Project," Mrs. C. Turner. "Better Home Demonstration as a County Project," C. Kremer. "Truck Crops in Southern Arkansas," Paul Wells. "Cows and Pigs in Southeast Arkansas," S. Houston. KOB (348.6m-860kc) "Value of Protein Supplements in a Feeding Ration," J. L. Lantow. WMC (499.7m-600kc) Talk.
8:35	7:35	6:35	5:35	WCCO (416.4m-720kc) Farm Fire Prevention talk.
8:45	7:45	6:45	5:45	WCCO (416.4m-720kc) Farm lecture, announcement of future courses. WTIC (475.9m-630kc) "Starting Right to Get Early Vegetables," Benjamin Southwick.
9:05	8:05	7:05	6:05	KFAB (340.7m-880kc) "Spring Seeding of the Small Grains," T. Kiesselbach. "Potatoes—Shall be Plant Them? What? When? How?" H. Werner.
9:30	8:30	7:30	6:30	WFAA (475.9m-630kc) Sears-Roebuck Agricultural Foundation program.
10	9	8	7	KOAC (280.2m-1070kc) Agricultural question box. "Fiber and Seed Flax Growing," G. Hyslop.
10:30	9:30	8:30	7:30	KOAC (280.2m-1070kc) "Potato Insects," Don Mote.
10:45	9:45	8:45	7:45	KOAC (280.2m-1070kc) "The Problem of Buying a Fruit Farm," Prof. Walter S. Brown.
11:05	10:05	9:05	8:05	KGO (361.2m-830kc) Farm program.

Tuesday, March 9

Eastern	Central	Mountain	Pacific	
11:30 a. m.	10:30 a. m.	9:30 a. m.	8:30 a. m.	KFAB (340.7m-880kc) "What Shall We Do with Our Surplus Eggs?" F. Mussehl.
1:35	12:35	11:35	10:35	KSAC (340.7m-880kc) "Soy Beans," L. Willoughby. "Brood Coop for Hens and Chicks."
1:45	12:45	11:45	10:45	WMAQ (447.5m-670kc) Radio farm school. WOI (270m-1110kc) "Animal Husbandry," H. H. Kildee.
7:15	6:15	5:15 p. m.	4:15 p. m.	WKAR (285.5m-1050kc) "Methods and Uses of Antiseptics and Disinfectants," H. Morency.
7:30	6:30	5:30	4:30	WKAR (285.5m-1050kc) "Marketing of Poultry and Eggs," J. Davidson.
7:45	6:45	5:45	4:45	WKAR (285.5m-1050kc) "Underwriting the Lamb Crop," G. Brown.
8	7	6	5	KFRU (499.7m-600kc) "Cheapening Pork Production Costs," M. J. Regan. KSAC (340.7m-880kc) "Production of Wholesome Dairy Products," W. Martin. "Vegetables and Flowers," W. Balch. KSO (242m-1240kc) Farm talk
8:10	7:10	6:10	5:10	WEAO (293.9m-1020 kc) "Fruit: Why the Hill Orchard?" Wendell Paddock.

Wednesday, March 10

Eastern	Central	Mountain	Pacific	
1:15 p. m.	12:15 p. m.	11:15 a. m.	10:15 a. m.	WOC (483.6m-620kc) WEAO (293.9m-1020kc) "Vegetables: Making it Rain," L. Montgomery.
1:30	12:30	11:30	10:30	WFAA (475.9m-630kc) Sears-Roebuck Agricultural program.
1:35	12:35	11:35	10:35	KSAC (340.7m-880kc) "Pushing Spring Lambs for Market," C. Elling.
1:45	12:45	11:45	10:45	WMAQ (447.5m-670kc) Radio Farm school. WOI (270m-1110kc) Poultry husbandry.
1:50	12:50	11:50	10:50	KFKX (288.3m-1040kc) "A B C's of Dairying," C. Long.
7:15	6:15	5:15 p. m.	4:15 p. m.	WKAR (285.5m-1050kc) "Asparagus Culture," G. Starr. "Amateur Nut Culture," V. Gardner.
8:15	7:15	6:15	5:15	KSAC (340.7m-880kc) "How the State Highway Commission Serves," J. Gardner. "Higher Standard for the Rural Home," W. G. Ward.
8:45	7:45	6:45	5:45	WCCO (416.4m-720kc) "Seeds," James Birkelund.
9:05	8:05	7:05	6:05	KFAB (340.7m-880kc) "The Calf Is a Baby—Treat It Well," Ray F. Morgan.
11:30	10:30	9:30	8:30	KWSC (348.6m-860kc) "Inoculation of Legumes," S. Vandecaveye. "Protection from Invasion of Foreign Plant Diseases," George Zundel.

Thursday, March 11

Eastern	Central	Mountain	Pacific	
1:15 p. m.	12:15 p. m.	11:15 a. m.	10:15 a. m.	WEAO (293.9m-1020kc) "Vegetables."
1:35	12:35	11:35	10:35	KSAC (340.7m-880kc) "Feeding Practices and Management of Chicks," J. H. McAdams. "Porcine Tuberculosis," Dr. J. Lamb.
1:45	12:45	11:45	10:45	WMAQ (447.5m-670kc) Radio farm school. WOI (270m-1110kc) Farm crops.
7:15	6:15	5:15 p. m.	4:15 p. m.	WKAR (285.5m-1050kc) "Care and Management of Dairy Sire," George Girrbach. "Care and Selection of Dairy Utensils," P. Lucas. "Pasture Crops for Dairy Cattle," J. Hays.
8 p. m.	7 p. m.	6 p. m.	5:00 p. m.	KSO (242m-1240kc) Farm talk.
8:30	7:30	6:30	5:30	WOI (270m-1110kc) "Temporary Pastures," H. D. Hughes.
9:30	8:30	7:30	6:30	KOA (322.4m-930kc) Farm question box. KUOA (299.8m-1000kc) Sanitary Conveniences for Rural Homes," G. Stocker.

Friday, March 12

Eastern	Central	Mountain	Pacific	
1:30 p. m.	12:30 p. m.	11:30 a. m.	10:30 a. m.	KTHS (374.8m-800kc) Farmers' Radio Chautauqua.
1:45	12:45	11:45	10:45	WOI (270m-1110kc) Agricultural Economics.
2	1	12 n.	11	KFKX (288.3m-1010kc) Special Farm Service day. WMAQ (447.5m-670kc) Radio farm talk.
1:35	12:35	11:35	10:35	KSAC (340.7m-880kc) "Determining the Best Variety," H. Sumner. "Remodeling Houses," W. G. Ward.
7:15	6:15	5:15 p. m.	4:15 p. m.	WKAR (285.5m-1050kc) "Crop Varieties for Michigan," D. Rainey. "Meadow and Pasture Seeding," C. Megee. "Twenty-five Years of Successful Alfalfa Growing," H. Probst.
8	7	6	5	KFRU (499.7m-600kc) "Cull the Broader Cow," M. Regan.
8:15	7:15	6:15	5:15	KSAC (340.7m-880kc) KSO (242m-1240kc) Farm talk.
8:30	7:30	6:30	5:30	WOC (483.6m-620kc) Question box.
8:35	7:35	6:35	5:35	WCCO (416.4m-720kc) Farm lecture, C. P. Bull.
11:45	10:45	9:45	8:45	KWSC (348.6m-860kc) "Are Washington's Hens Good?" R. N. Miller.

Markets and Weather

Daily Except Sunday

Eastern	Central	Mountain	Pacific	
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.	WFAA (475.9m-630kc) Markets. WOAW (526m-570kc) Markets.
9:45	8:45	7:45	6:45	KDKA (309.1m-970kc) Livestock, grain.
10	9	8	7	WLS (344.6m-870kc) Livestock, markets, fruit. WOS (440.9m-680kc) Hogs.
10:30	9:30	8:30	7:30	KFKX (288.3m-1040kc) Weather, hog market, local produce, hay, Chicago Board of Trade futures. WFAA (475.9m-630kc) Markets.
10:45	9:45	8:45	7:45	WCCO (416.4m-720kc) Markets. WMC (499.7m-600kc) Weather, markets.
11	10	9	8	WOS (440.9m-680kc) Weather, hogs.
11:15	10:15	9:15	8:15	WTAG (268m-1120kc) Markets, weather.
11:30	10:30	9:30	8:30	KFKX (288.3m-1040kc) Weather, Chicago Board of Trade, livestock, Chicago and New York butter and egg market, local produce. WCCO (416.4m-720kc) Markets. WEAR (389.4m-770kc) Markets, weather.
11:45	10:45	9:45	8:45	WAAW (384.4m-780kc) Livestock, butter, eggs.
12 n.	11	10	9	KDKA (309.1m-970kc) Weather, livestock, grain. WBAP (475.9m-630kc) Weather, cattle, grain. WLS (344.6m-870kc) Poultry, dairy, hogs, sheep. WOS (440.9m-680kc) Livestock, poultry, eggs, grain.
12:30 p. m.	11:30	10:30	9:30	KFKX (288.3m-1040kc) Livestock, fruit, vegetables, dairy. WEAR (384.4m-780kc) Markets, weather. WFAA (475.9m-630kc) Markets.
1	12 n.	11	10	WBAP (475.9m-630kc) Markets. WHT (238m-1260kc) Fruit, weather. WOS (440.9m-680kc) Livestock, weather.
1:30	12:30	11:30	10:30	KTHS (374.8m-800kc) Markets, weather. KFKX (288.3m-1040kc) Weather, livestock, potato market, apples. WOAW (526m-570kc) Markets.
1:35	12:35	11:35	10:35	KPO (428.3m-700kc) Butter, eggs, cheese, poultry.
1:45	12:45	11:45	10:45	KOA (322.4m-930kc) Weather, roads, livestock, poultry.
2	1	12 n.	11	WOC (483.6m-620kc) Weather, grain, livestock, dairy. WOS (440.9m-680kc) Grain.
2:15	1:15	12:15 p. m.	11:15	WAAW (384.4m-780kc) Grain markets. WFAA (475.9m-630kc) Markets.
3	2	1	12 n.	WLS (344.6m-870kc) Livestock, grain, dairy, fruit, vegetables. WOS (440.9m-680kc) Livestock, markets, grain.
3:30	2:30	1:30	12:30 p. m.	WFAA (475.9m-630kc) Markets. WMC (499.7m-600kc) Markets, weather.
3:50	2:50	1:50	12:50	WWJ (352.7m-850kc) Weather, markets.
4	3	2	1	KFKX (288.3m-1040kc) Weather, Chicago Board of Trade futures, Kansas City cash grain report, Omaha grain, livestock. WCCO (416.4m-720kc) Markets. WCX (516.9m-580kc) Stocks and grain. WFAA (475.9m-630kc) Markets.
5:30	4:30	3:30	2:30	WHAS (399.8m-750kc) Markets.
6:30	5:30	4:30	3:30	KSAC (340.7m-880kc) Markets.
6:45	5:45	4:45	3:45	WIP (508.2m-590kc) Livestock, markets.
7:30	6:30	5:30	4:30	KMA (252m-1190kc) Markets and weather. KSAC (340.7m-880kc) Market review. KFWA (261m-1150kc) Market reports.
8	7	6	5	KFKX (288.3m-1040kc) Weather, livestock, Boston wool, Omaha grain. KOA (322.4m-930kc) Sheep, markets, livestock, poultry.
11	10	9	8	WCCO (416.4m-720kc) Weather, grain.

HIRED HAND WILL DESCRIBE RODEO

Tuesday, March 9

WFAA, Dallas, Tex. (475.9m-630kc), 12:30-1 p. m., Edmund F. Boettcher, tenor; Viola Cassidy, pianist; 4:30-5, MacDowell Sisters; 6:30-7:30, Jimmy's Joys; 8:30-9:30, Southern Methodist university; 11-12, Harry Hassall, cellist.

WGN, Chicago, Ill. (302.8m-990kc), 11-11:30 a. m., morning organ concert, Chicago theater, Dean Fossler; 12:40-2:30 p. m., luncheon concert music; 2:30-3, Lyon and Healy artists' recital; 3:25, Port o' Missing Men; 3:30-4:15, tea time music; 4:30-5 organ recital, Edward Benedict; 5:30-5:57, Skeezix time; 6:30-6:45, dinner concert music; 6:45-7, old-time favorite songs; 9-10, Jacques Gordon, violinist; 10-10:10, play shop; 10:10-10:15, old-time favorite songs; 10:15-11, dance music; songs, Correll and Gosden, Freda Leonard and Jewell Barnett.

WHAS, Louisville, Ky. (399.8m-750kc), 1-2 p. m., concert, Benson trio; 3-3:30, Mrs. Myrtle Fulks Zahn, Jr., organist; 4-5, concert, Music Box Extension studio; 7:30-9, concert, Eddie Rosson and his orchestra; Eddie Rosson, drums; Katherine Rosson, pianist; Robert Seaton, saxophonist, clarinetist; Raymond Lawrence, saxophonist; Roy Lawrence, trombonist; John Minor, trumpeter; Walter Phillips, sousaphonist; Lawrence Leis, banjoist.

WHB, Kansas City, Mo. (365.6m-820kc), 7-7:30 p. m., Merrill Moore, organist; 8-9, 9-10, artists' concert, Henry Strawbridge.

WHO, Des Moines, Iowa (526m-570kc), 7:30-8 p. m., Raleigh quintet; 8-9, Jack Little; 11-12, Bankers Life "Corn Sugar" orchestra.

WHT, Chicago, Ill. (399.8m-750kc), 11 a. m., studio features; 12 noon, Al Carney's organ recital; 6 p. m., dinner organ recital, Al Carney; 6:40, Grayling's string trio; 6:50, Diamond Quartet Loftis; 9:15, studio features; Cinderella cafe orchestra; 9:35, Kitchen Klenzer entertainers; 9:50, Howard Sershon, tenor; Al Carney, organist; Jack Marshall, pianist; 10:10, U. S. L. dance music.

WIBO, Chicago, Ill. (220m-1330kc), 2-4 p. m., program for shut-ins; 6-8, dinner concert; American ballads, Walter Preston; WIBO string trio; 3, Bernice Taylor, soprano; Charlotte Edwards, contralto; Eugene Wallenius, tenor; Ruth Goll, pianist; 12, midnight jamboree; Dan Russo, violinist; Ted Fiorito, pianist; Wayne Meyers, reader; Marie Tully, soprano; Harry Davis.

WJAZ, Chicago, Ill. (322.4m-930kc), 9-1 a. m., diversified and dance program, Chez Pierre.

WJJD, Mooseheart, Ill. (370.2m-810kc), 12-1 p. m., Palmer House symphonic players; Palmer House trio; 2-3, Howard L. Peterson, organist; 4-5, music, Mooseheart children; 5:30-7, Jack Nelson; Palmer House symphonic players; Palmer House Victorians; Howard L. Peterson, organist; 8-9, children; 10-11, Garod studio; Rushmore ensemble singers; Palmer House Victorians; 12:30 a. m., Knights of the Burning Candle.

WKRC, Cincinnati, Ohio (325.9m-920kc), 10 p. m., dance program, Alvin Roehr's orchestra; 10:30, Eugene Perazzo, organist; 11, Doc Howard's entertainers; orchestra and quartet.

WLIB, Chicago, Ill. (302.8m-990kc), 11-1 a. m., dance W. A. Sheaffer Pen company; 11, program, Public Service company.

WLS, Chicago, Ill. (344.6m-870kc), 6 p. m., Ford and Glenn; 6:40, Ralph Emerson, organist; 7, Ford and Glenn; 7:15, staff artists.

WLW, Cincinnati, Ohio (422.3m-710kc), 7:30 p. m., piano memories, Mary Louise Wosezcek; 8, old-time review, Crosley Burnt Corkers; The Musicone male quartet; 9, Formica orchestra.

WMAQ, Chicago, Ill. (447.5m-670kc), 4:15 p. m., pupils, Rose Hanapel; 4:30, Chicago high school teachers' council; 6, Chicago theater organ; 6:30, Hotel LaSalle orchestra; 8:40, musicale; 9:55, chimes.

WMBB, Chicago, Ill. (250m-1200kc), 7-8 p. m., Trianon duo; Genevieve Barry Burnham, operatic soprano; Hubert Melone, operatic tenor; 9-11, Trianon orchestra; Woodlawn theater orchestra; Eddie Matts and Billie Donovan; Oxford Girls; Harmony duo; Joe Warner, character songs.

WOAW, Omaha, Nebr. (526m-570kc), 6 p. m., Hugo G. Heyn, xylophonist; Emil B. Hoffman, pianist; 6:50, orchestra; 9, de luxe; 10:30, Herb Feierman's orchestra; 12, Rialto alarm.

WOK, Chicago, Ill. (217.3m-1380kc), 4:30-7 p. m., Capitol theater organ; program; Carl Lorraine's Pershing Palace orchestra; Husk O'Hare's Cocoanut Grove orchestra; Capitol theater program; program.

WORD, Batavia, Ill. (275m-1090kc), 7 p. m., program; 9, program, W. A. Sheaffer Pen company; 10, musical program.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Jack Chapman and his Rainbo Gardens orchestra; Fontella trio; Kenneth Sterling, baritone; Leo Miller, violinist; Milton Sherman, pianist; 10-1 a. m., Jack Chapman and his Rainbo Skylarks; Jerry Sullivan, Rose Vanderbosch; Hal Lansing and his uke; Everett George Opie, character reader; Merrill Carder, baritone; Ila Shannabrook, soprano; Will Rossiter; Romo Vincent, boy baritone; Johnny Poats and Harold Olson, baritones; artists; 1-2, Ginger hour.

WSAI, Cincinnati, Ohio (325.9m-920kc), 5:30 p. m., twilight musical; 7, Mabley and Carew orchestra; 8, WEAF program; 9:30, musical program, featuring Hawaiian guitars; 12, Freda Sanker's orchestra.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., Kimo Kahohie Moonlight Five; 10:45, Loew's Grand theater artists.

WSM, Nashville, Tenn. (282.8m-1060kc), 10 p. m., frolic, Beasley Smith's orchestra.

WSUI, Iowa City, Iowa (483.6m-620kc), 12:30 p. m., Mrs. Geraldine Ristine, pianist.

Mountain Time Stations

KFAU, Boise, Idaho (280.2m-1070kc), 8:10 p. m., Mrs. Mabel Grubb, Host Cooper.

KFXF, Colorado Springs, Colo. (250m-1200kc), 8:30-10:30 p. m., musical.

KOA, Denver, Colo. (322.4m-930kc), 12:15 p. m., Margerie Nash, organist; 6:30, Brown Palace string orchestra.

KSL, Salt Lake City, Utah (299.8m-1000kc), 8 p. m., Columbian Optical company; 9, Gibson Boys orchestra.

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 5:30-6 p. m., Charles Beaudoin, tenor; 6, nightly doings; 6:15, Seeing California; 6:30, vest pocket program; 6:45, Radiotorial period; 7-8, varied program of classics; 8-9, screen artists' instrumental quartet; 9-10, Al Wesson's dance orchestra; 10-11, Packard Ballad hour with usual favorites featuring popular songs.

KFOA, Seattle, Wash. (454.3m-660kc), 12:30-1:30 p. m., Kiwanis club luncheon program; 6-6:30, Atwater Kent hour; 8:30-10, Rhodes department store; 10-11 Jackie Souder's Club Lido serenaders.

KFON, Long Beach, Calif. (336.9m-1290kc), 6-6:30 p. m., Brayton's theater organ; 7-8, Investors' hour; 8-9, Press-Telegram studio; 9-11, Long Beach Aero club program.

KFWB, Hollywood, Calif. (252m-1190kc), 6-7 p. m., dinner music, Fitzgerald Music company; 8-9, Jack Smith's dance orchestra; 9-10, Mabley Brothers' banjo duets; Bill Blake, tenor; Alice Harvey, soprano; Peggy Mathews, blues singer; 10-11, Warner Brothers' frolic.

KGO, Oakland, Calif. (361.2m-830kc), 4-5:30 p. m., concert orchestra; 6-6:55, Knickerbocker trio; 8-9, Eveready program, Metropolitan male singers; Elsa Beblow Trautner, soprano; 9-10-9:30, Italian dialect poems, T. A. Daly; Carl Anderson, tenor; 9:30, bridge; 10-12, Glenn Deuel' California Collegians.

KHJ, Los Angeles, Calif. (405.2m-740kc), 6-7:30 p. m., children's hour with weekly visit of Queen Titania and her Sandman; Uncle John, Chas. Leslie Hill, readings; Lenore Killian, contralto; 8-10, program, Builders' Finance association.

KMTR, Hollywood, Calif. (238m-1260kc), 5-6 p. m., Citizenship hour with Mammy Simmons, Boy Scouts and Campfire Girls; 6-7, Starr Piano company, studio; 8-10, KMTR concert orchestra, Loren Powell, director.

KNX, Hollywood, Calif. (336.9m-890kc), 5:30 p. m., Leighton's cafeteria orchestra; 6:30-7, Atwater Kent concert orchestra; 7-7:45, program, Roy L. Donley Company, Inc.; 7:45, health talk, Dr. Robert T. Williams; 8-9, program, Globe Ice Cream and Weber Bread; 9-10, program, Western Auto Supply company, with Jack Cronshaw's orchestra; 10-12 midnight, movie night at the Ambassador with the Cocoanut Grove dance orchestra.

KPO, San Francisco, Calif. (428.3m-700kc), 1-2 p. m., Rudy Seiger's Fairmont hotel orchestra; 2:30-3:30, matinee program; 3:30-4:30, Cyrus Trobbe's Palace hotel orchestra; 6:40-7, Waldemar Lind and the States Restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel orchestra; 8-9, program, sextet; 9-10, Gypsy and Marta, harmony team; 10-11, Palace hotel orchestra.

KPSN, Pasadena, Calif. (315.6m-950kc), 8-9 p. m., Star-News concert; Adolf Tandler instrumental group.

KTAB, Oakland, Calif. (240m-1250kc), 12-1 p. m., luncheon concert; 8-10, program.

WGCP, WGST, WHAR, WHAZ, WIP, WJAD, WJAZ, WLWL, WMC, WOAI, WOAW, WOI, WPG, WRC, WREO.

Eastern Time Stations

CFCA, Toronto, Can. (356.9m-840kc), 8:30 p. m., musical program; Hawaiian quartet; soprano solos; Edythe Law, pianist, accompanied by Winnifred French; string quartet; selections, R. T. S. dance orchestra; 11, Gilbert Watson and his orchestra.

KDKA, Pittsburgh, Pa. (309.1m-970kc), 12:30 p. m., Trinity church Lenten services; 6:30, dinner concert; 9, concert, mixed quartet; Marjorie Lieberman, pianist.

WAHG, Richmond Hill, N. Y. (315.6m-950kc), 12 noon, musical; 7:30 p. m., Margie Make-Believe; 7:45, pianist; 3:15, Novelty quartet; 6:30, Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra.

WGBS, New York, N. Y. (315.6m-950kc), 1:30 p. m., Albertina Babst, soprano; 3, program, children, Roslyn schools; 6:30, Jersey Collegians.

WGCP, New York, N. Y. (252m-1190kc), 3 p. m., Eva Rothenberg, pianist; 3:30, Bobby Grey, songs; 4, program; 4:15, Alfred Hall, baritone; 4:30, Jeanne A'Dair, composer; 4:45, Tracey and Mohr, entertainers; 7, program; 7:15, Charles Coleman, pianist; 7:30, program; 8, program.

WGHP, Detroit, Mich. (270m-1110kc), 6-7 p. m., Hotel Tuller's dinner concert; 8-10, Little Symphony orchestra; Marius Fossenkemper, clarinetist; Julius Sturm, cellist; quartet; Mme. Gizi Szanto, pianist.

WGY, Schenectady, N. Y. (379.5m-790kc), 7 p. m., Eastman theater orchestra; 8, "The Moral Obligation To Be Intelligent," Dr. John Erskine.

WHN, New York, N. Y. (361.2m-830kc), 6 p. m., people's hour; 7, Parody club orchestra; 8, Vogue entertainers; 9, Loew's New York orchestra; 10, Roseland dance orchestra; 10:30, Anatol Friedland; 11, Silver Slipper orchestra; 11:30, Melody club orchestra; 12, Cotton club orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 1 p. m., Gimbel tea room orchestra; 3, musical program, direct from Greater Camden Radio show; 6:05, Benjamin Franklin hotel concert orchestra; 7, Uncle Wip's bedtime stories; songs, Theodore Spector.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Jean Goldkette's symphony orchestra; soloists; 9, Winter Haven Radio hour; 11:30, "The Merry Old Chief."

WJZ, New York, N. Y. (454.3m-660kc), 1 p. m., Hotel Madison concert and dance orchestra; 4:30, Waldorf-Astoria tea music; 7, Hotel Commodore concert orchestra; 8:30, Lewissohn free chamber music concert.

WLIT, Philadelphia, Pa. (394.5m-760kc), 12:02 p. m., daily almanac; Stanley theater organ recital; Arcadia cafe concert orchestra; 2, Arcadia cafe concert orchestra; 4:30, Liberty concert orchestra; 7:30, Dream Daddy's bedtime stories; 8:15, features from Camden Radio show; 10, Arcadia cafe dance orchestra.

WLWL, New York, N. Y. (288.3m-1040kc), 9:15 p. m., entertainers; 9:45, McEvay concert; 10:15, talk; 10:30, songs.

WMAK, Buffalo, N. Y. (266m-1130kc), 7:30-8:30 p. m., musical program; 8:30-9:30, musical.

WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Olcott Vail and his Hotel McAlpin string ensemble; 6:30, Ernie Golden and his Hotel McAlpin orchestra; 7:45, Woodmansten Inn orchestra; 11, Hofbrau Haus entertainers; 11:30, Jack Denny's orchestra.

WNYC, New York, N. Y. (526m-570kc), 6:20 p. m., songs; 7:35, dance program; 8:15, Radio Love Birds; 8:30, Viennese Elite trio; 9, song recitals.

WOO, Philadelphia, Pa. (508.2m-590kc), 11 a. m., organ recital; 12:02 p. m., crystal tea room orchestra; 4:45, organ recital; 7:30, Sylvania hotel dance orchestra; 8:30, Davis Saxophone octet; 9:25, address, Rev. Forest Dagar; 10, Fox theater studio program; 10:30, Ritz Carlton dance orchestra.

WOR, Newark, N. J. (405.2m-740kc), 8:30 p. m., Mildred Delman, soprano; 9, Mildred Delman; 9:30, Ballin and Race, piano duo; 10, Ballin and Race.

WRC, Washington, D. C. (468.5m-640kc), 12 noon, Gertrude Smallwood, organist; 12:30 p. m., Lenten services; 1, Lee house trio; 4:15, Le Paradis band; 5, musical program.

WTAG, Worcester, Mass. (268m-1120kc), 10:30 a. m., musical program; 12:05-2 p. m., noon-day luncheon music; 3-5, Tea Dansant music; 8-8:30, WEAF program; 8:30-9, WEAF program; 9-10, program; 10-11, WEAF program.

WTAM, Cleveland, Ohio (389.5m-770kc), 12:15-1:30 p. m., Austin Wylie's Vocalion Recording orchestra; 6-7, Carl Rupp and his Hotel Hollenden orchestra; 8-11, public auditorium program; 11-1, Guy Lombardo and his Royal Canadians.

WTIC, Hartford, Conn. (475.9m-630kc), 6:30 p. m., Hotel Bond trio; 8, Westminster school glee club; 8:30, Juliet Grave Wolfe, pianist; 9:15, Laura C. Gaudet; 9:30, organ recital; 10, Roxy and his Gang.

WWJ, Detroit, Mich. (352.7m-850kc), 12:05 p. m., Jules Klein's Hotel Statler orchestra; 3, Detroit News orchestra; 6, dinner concert; 8, News orchestra and soloists; 9, dance program; 10, WEAF program.

Central Time Stations

CNRW, Winnipeg, Can. (384.4m-780kc), 7:50 p. m., Fort Garry hotel orchestra; 9, Hart House string quartet; 10:30, Fort Gary hotel orchestra.

KFAB, Lincoln, Nebr. (340.7m-880kc), 8:30-10:30 p. m., Olive Fletcher, Ruby Teater, pianists; Geraldine Schmidt, blues singer; Harmony Boys; Belshaw's orchestra; Cowbell Boys.

KFH, Wichita, Kan. (268m-1120kc), 10-11 p. m., Mentholatum company concert orchestra; 12:15-1:15 a. m., Harry Hunt's Imperial orchestra.

KFDM, Beaumont, Tex. (315.6m-950kc), 12:30-1 p. m., Refinery band concert; 8-10, Refinery band concert.

KFRU, Columbia, Mo. (499.7m-600kc), 4:30 p. m., Bella Vista Quadrangle orchestra; 9-11, musical program, Kemper Military academy.

KMA, Shenandoah, Iowa (252m-1190kc), 11:30-12:30 p. m., noonday rural program; banjo solos, Charles Skinner; 9-11, songs and clog dancing, Bob and Babe Riddle; Willy Cunningham, farmer Scotchman; Vagabond orchestra.

KPRC, Houston, Tex. (296.9m-1010kc), 12 noon, Lions' club luncheon program; 7:30 p. m., Jack Willrich's orchestra; Virginia Willrich, piano accordionist; 8:30, concert; 11, Paul B. Holcomb, baritone; Mrs. J. R. Cox, pianist.

KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., Mystery Merry Makers; 7:30, fur hour, Hotel Statler orchestra; 8, WEAF program.

KSO, Clarinda, Iowa (241.8m-1240kc), 7-7:30 p. m., music; 7:30-9:30, vocal and instrumental.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9-9:30 p. m., First Presbyterian church; 9:30-10, New Arlington grand ensemble; 10-10:45, Southerners Majestic hotel orchestra.

KYW, Chicago, Ill. (535.4m-560kc), 12:05-1 p. m., noonday concert; 1-2, luncheon concert, Congress hotel; 6-7, dinner music; 7:30, music; 8-10, musical program, Congress hotel; 10-12:30 a. m., midnight revue; Paul Ash and his orchestra; 1, Insomnia club.

WAMD, Minneapolis, Minn. (244m-1230kc), 12:01 p. m., classical concert; 11, George Osborn and his orchestra.

WBAP, Fort Worth, Tex. (475.9m-630kc), 12:05-12:30 p. m., Fred Cahoon's orchestra; 6-6:30, Texas hotel orchestra.

WBBM, Chicago, Ill. (226m-1330kc), 4-6 p. m., Harry and Sandy; Edna Wheeler Ballard, harpist; Harold Morava, tenor; Johnny Black; Court Banks; Ralph Botthof; 8-10, Barber Shop Three; Jack Crawford's Alemite orchestra; Verdi mixed quartet; Sy Berg and Bob Witt; Philip Nilles, tenor; Rudy Winter; Floyd Falch; 12-2 a. m., Jack Crawford's orchestra; Charlie Garland; Two Jays; Harold Anderson, accordionist; Spencer, Lavergne and Shayne, xylophone; Floyd Falch; Ariston trio.

WCAR, San Antonio, Tex. (263m-1140kc), 8-10 p. m., studio program.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 2:30 p. m., afternoon concert; 6, midweek church service; 7, WEAF program; 8, WEAF program; 9, musical program, Nash-Finch concert orchestra; 10:05, dance program, Marigold Garden orchestra; 11:30, Eddie Dunstedter, organist.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., Trianon ensemble; 8-10, music contest program; 11:45-1 a. m., program.

WEAO, Columbus, Ohio (293.9m-1020kc), 8:15 p. m., music; 8:45, music; Dorothy Stevens Humphreys, soprano; Louise Ackerman, pianist.

WEBH, Chicago, Ill. (370.2m-810kc), 7 p. m., Florence Behrend; Oriole orchestra; Oriole string trio; Frank Greif, tenor; 9, Oriole orchestra; 9:45, Frank Bordner; Trombone duo; Florence Behrend; 11, Oriole orchestra; 12:30, Irene Beasley; Florence Behrend.

CLASSICAL CONCERTS INDEX

Saturday, March 6

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.
WCX, WEAF, WMCA, WREO.			
7	6	5	4
KGO, KYW, WEAR, WENR, WMAQ, WNYC, WOAW, WOK, WRC.			
8	7	6	5
KDKA, KFNF, KOIL, KSD, KYW, WBBR, WGN, WMBB, WNYC, WOAW, WQJ.			
9	8	7	6
KFOA, KPRC, KHJ, KYW, WHAS, WIP, WLW, WORD, WSAI, WSOE			
10	9	8	7
KNX, KYW, WEAF, WMAQ, WMC, WOAW, WOC, WORD.			
11	10	9	8
KGO.			
12 m	11	10	9
WOAW.			

Sunday, March 7

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.
WCAU.			
7:20	6:20	5:20	4:20
WCAE, WCAU, WEAF, WEAR, WEEI, WJAR, WTAG, WWJ.			
8	7	6	5
KYW, WAMD, WBZ, WEAR, WGBS, WGCP, WKAQ, WLS, WORD.			
9	8	7	6
KFDM, KPRC, KSD, WBZ, WCAU, WCBD, WCCO, WEAR, WGY, WHAR, WHT, WNYC, WQJ.			
9:15	8:15	7:15	6:15
WEEI, WJAR, WTAG.			
10	9	8	7
KHJ, KNX, KTHS, KYW, WCCO, WFAA, WNYC, WOC, WQJ, WSOE.			
11	10	9	8
KFVE, KHJ, KNX, KPO, KTHS, KYW, WHN, WKRC, WOC.			
12 m	11	10	9
KHJ, KNX, WOC.			
1 a. m.	12 m	11	10
KNX.			

Monday, March 8

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.
KGO, WCX, WEAF, WMCA, WREO, WWJ.			
7	6	5	4
KMA, WCCO, WEAF, WEAR, WHAD, WJR, WOAW, WOK.			
8	7	6	5
KFNF, KSD, WBBR, WBZ, WCAU, WCX, WHAR, WHT, WJAR, WLW, WMBB, WTAG, WTIC.			
9	8	7	6
KFOA, KGO, KHJ, KPRC, WBBR, WCCO, WBZ, WCAE, WEEI, WHAD, WHO, WJAR, WLW, WORD, WOS.			
10	9	8	7
KMA, KPO, KPRC, KSD, KTHS, WAMD, WCCO, WEAF, WHAD, WJAR, WOAW, WSUI, WTAG.			
11	10	9	8
KGW, KHJ, KMA, KSD, KTHS, KWSC, WHN, WSAI.			
12 m	11	10	9
KGW, WBAP, WSAI.			
1 a. m.	12 m	11	10
KHJ.			

Tuesday, March 9

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.
WBZ, WCX, WEAF, WMCA, WREO, WWJ.			
7	6	5	4
KGO, KMA, WEAR, WEBJ, WGBS, WHAD, WJR, WMAQ, WOAW, WOK, WOR, WTIC, WWJ.			
8	7	6	5
KFNF, KSD, KYW, WBZ, WCAE, WCAU, WCX, WEAR, WEEI, WGR, WHAR, WHT, WLS, WMBB, WQJ, WRC, WTIC.			
9	8	7	6
KFDM, KFNF, KFOA, KGO, KHJ, KSD, KYW, WBAP, WBZ, WCAU, WDAF, WEEI, WHAD, WJAR, WMAQ, WMCA, WSAI.			
10	9	8	7
KFAB, KFDM, KOA, WCCO, WHAD, WMAQ.			
11	10	9	8
KFMX, KHJ, KNX, KPO.			
12 m	11	10	9
KPO.			

Wednesday, March 10

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.
WCX, WEAF, WMCA, WREO, WWJ.			
7	6	5	4
KGO, WEAR, WHAD, WJR, WMAQ, WOK, WTIC.			
8	7	6	5
KFNF, KPRC, KSD, KYW, WAMD, WBZ, WCX, WEAF, WEEI, WHT, WLW, WMBB, WMCA, WQJ, WTAG, WWJ.			
9	8	7	6
KFOA, KGO, KPRC, KSD, KYW, WBZ, WCCO, WDAF, WEEI, WGR, WHAD, WHAS, WJAR, WMAQ, WOR, WOS, WORD.			
10	9	8	7
KFMX, KMA, KNX, KTHS, WAMD, WCCO, WEAF, WEEI, WGR, WHAD, WJAR, WLS, WMAQ, WNYC, WOC, WSOE.			
11	10	9	8
KGO, KGW, KMA, KPO, KTHS, WCAE, WLS, WLW, WOC, WSAI.			
12 m	11	10	9
KGW, KPO, WHAD, WLW.			
1 a. m.	12 m	11	10
WLW.			

Thursday, March 11

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.
WBZ, WCX, WEAF, WIP, WMCA, WREO, WWJ.			
7	6	5	4
KGO, KSD, WEAF, WEAR, WGBS, WHAD, WJR, WMAQ, WOAW, WOK, WWJ.			
8	7	6	5
KYW, WBBR, WBZ, WCAU, WCCO, WCX, WEAR, WEEI, WGR, WGY, WHAR, WHT, WLS, WLW, WMBB, WOAW, WQJ, WTAG, WTIC.			
9	8	7	6
KHJ, KLDS, WBAP, WCAE, WCAU, WCBD, WCCO, WEAF, WEEI, WGR, WHAR, WHAS, WJAR, WNYC, WOC, WORD, WRC, WASI, WSB, WTAG.			
10	9	8	7
KNX, KPRC, KTHS, KYW, WAMD, WGR, WGY, WHAD, WMC, WOAW, WOC, WSAI.			
11	10	9	8
KGO, KPO, KTHS, WBAP, WKRC.			
12 m	11	10	9
KGW, KPO, WHO, WKRC.			

Friday, March 12

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.
KGO, WCX, WMCA, WREO, WWJ.			
7	6	5	4
KGO, WEBJ, WGY, WHAD, WJR, WMAQ, WOAW, WOK, WOR, WTIC.			
8	7	6	5
KYW, WAHG, WAMD, WBZ, WCAU, WCX, WEBJ, WEEI, WHT, WLS, WQJ, WWJ.			
9	8	7	6
KFDM, KFNF, KFOA, KGO, KHJ, KSD, KYW, WBAP, WBZ, WCAU, WDAF, WEEI, WHAD, WJAR, WMAQ, WMCA, WSAI.			
10	9	8	7
KFAB, KFDM, KOA, WCCO, WHAD, WMAQ.			
11	10	9	8
KFMX, KHJ, KNX, KPO.			
12 m	11	10	9
KPO.			

Wednesday, March 10

Headliners Today

Eastern	Central	Mountain	Pacific
3:15 p. m.	2:15 p. m.	1:15 p. m.	12:15 p. m.
WHO (526m-570kc) Jack Little.			
8	7	6	5
WBZ (333.1m-900kc) Springfield string ensemble.			
8:15	7:15	6:15	5:15
WTIC (475.9m-630kc) East Hartford community night.			
8:30	7:30	6:30	5:30
WHAS (399.8m-750kc) Kentucky Night Owls.			
9	8	7	6
WLW (422.3m-710kc) Syrian Temple Shrine band.			
9:15	8:15	7:15	6:15
WHO (526m-570kc) Jack Little, "The Larks."			
9:30	8:30	7:30	6:30
WSMB (319m-940kc) Optimist club.			
10	9	8	7
KPRC (296.9m-1010kc) Gibson Plectral club.			
10:15	9:15	8:15	7:15
KOA (322.4m-930kc) Service saxophone band.			
10:30	9:30	8:30	7:30
CNRE (516.9m-580kc) Hart House string quartet.			
WSMB (319m-940kc) Optimist club.			

Wednesday, silent night for: CHIC, CKNC, CNRA, CNRC, CNRE, CNRM, CNRR, CNRT, CNRV, KFAU, KFDM, KFEQ, KFKU, KUOA, KFXF, KGO, KLDS, KMMJ, KOB, KTAB, WABQ, WBAL, WBAP, WBBR, WCAD, WCAL, WCBD, WEBW, WFAA, WGBS,

songs; 8, Michael Lambert, cellist; 8:30, Judith Roth; 8:45, Serenaders' Plectrum quintet; 9:20, old-fashioned quartet; 10, program; 10:15, dance music.

WBZ, Springfield, Mass. (333.1m-900kc), 6:30 p. m., Hotel Kimball dance orchestra; 7, program, Harmony trio; 8, concert; 9, WBZ concert company.

WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert, William Penn hotel; 8, Mystery Merry Makers; 8:30, WEAF program; 9, studio concert; 10, Kramer's orchestra.

WCAP, Washington, D. C. (468.5m-640kc), 8-11 p. m., U. S. Navy band orchestra; WEAF, program.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:45 p. m., Parodians dance orchestra; 7:30, recital, N. Snellenburg and company; 8, talk; 8:10, Kane's Musical Adventures; 9, Rigo's Royal Gypsy band; 9:30, Jones' Jolly Four; 10, recital; 10:30, songs, Carl Zoehrns; 10:45, Frank Cook, old-time songs; 11, Artie Bittong's Cheer Up club.

WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., dinner program, Goldkette ensemble; 8-9, program.

WDBO, Winter Park, Fla. (239.9m-1250kc), 9-10:30, entertainment; Oysheus singers.

WEAF, New York, N. Y. (491.5m-610kc), 4 p. m., Ray Nichols' Recording orchestra; 4:30, Myrtle Holmes Purdy, contralto; 5, Vincent Lopez and his orchestra; 6, dinner music; 7, synagogue services; 7:30, chamber musicale, WJAR; 8, Mystery Merrymakers, WTAG, WCAE, WWJ, WJAR, WEEI, WOO, KSD, WOC, WCCO, WCAP, WSAI; 8:30, Davis' saxophone octet, WOO, WCAE, WSAI, WCAP, WJAR, WTAG, WEEI, WGR; 9, Ipana Troubadours, WEEI, WCAP, WWJ, WCCO, WGR, WSAI, KSD; 10, Roxy and his Gang, WEEI, WTAG, WCAP, WWJ, WJAR, WGN, WTIC; 11-12, Hughie Barrett and his orchestra.

WEAR, Cleveland, Ohio (389.4m-770kc), 7 p. m., Hotel Cleveland orchestra.

WEBJ, New York, N. Y. (272.6m-1100kc), 8 p. m., Balconnades ballroom orchestra; 8:45, Sal-Angoralla-Eddie Collins, banjo and uke duets; 9, Stella Rose, soprano; 9:15, Blanche and Hugh Ramsaur, duets; 9:30, Busoni's Neapolitans.

WEEI, Boston, Mass. (348.6m-860kc), 3:05 p. m., E. Payson Re and his orchestra; 5, Black and White vaudeville orchestra; 6:13, Joe Rines and his Hunters' Cabin orchestra; 6:45, Big Brother club; 7:30, Rickenbacker ensemble; 8-10, WEAF program.

WFI, Philadelphia, Pa. (394.5m-760kc), 10:40 a. m., Betty Crocker; 1 p. m., Tea room ensemble; 3, True Fairy Tales, Mrs. Howard B. Thomas; Loretta Kerk,

NEW ORLEANS OPTIMISTS AT WSMB

Wednesday, March 10

WFAA, Dallas, Tex. (475.9m-630kc), 2:30-3 p. m., Jimmy's Joys.

WGN, Chicago, Ill. (302.8m-990kc), 11-11:30 a. m., organ concert, Chicago theater, Dean Fossler; 12-12:30 p. m., noon-hour entertainment for children; 12:40-2:30, luncheon concert music; 2:30-3, Lyon and Healy artists' recital; 3:25, Port o' Missing Men; 3:30-4:15, tea time music; 4:30-5, organ; 6:30-6:45, dinner concert music; 6:45-7, old-time favorite songs; 8-9, Evanston Men's chorus; 10-10:10, Radio comic strip; 10:10-10:30, play shop; 10:30-10:45, old-time songs; 10:45-11, songs, Correll and Gosden, Freda Leonard and Jewell Barnett; Hawaiian guitar music, Langdon Brothers.

WHAS, Louisville, Ky. (399.8m-750kc), 1-2 p. m., concert, Barney Rapp's orchestra; 3-3:30, Mrs. Myrtle Fulks Zahn, Jr., organist; 4-5, concert, Music Box Extension studio; 7:30-9, concert, Jake Seligman and his Kentucky Night Owls.

WHB, Kansas City, Mo. (365.6m-820kc), 7-8 p. m., Milo Finley's trio; Mrs. Emily Foley, contralto; Aileen Pemberton, soprano; Otil Swartz, violinist.

WHO, Des Moines, Iowa (526m-570kc), 6-7 p. m., Bankers Life Little Symphony orchestra; 7:15-8:15, Irene Doran's Little Symphony orchestra; 8:15-9, Jack Little, larks; 9-12, dance program.

WHT, Chicago, Ill. (399.8m-750kc), 12 noon, Al Carney's organ recital; 7:30 p. m., Genevieve B. Burnham, soprano; Peter Porstner; Howard Will, tenor; Grayling's string trio; Helen Rauh, pianist; 9:15, musical features, Cinderella orchestra; 10:05, Ray-O-Vac concert; 11:15, Cinderella cafe orchestra.

WIBO, Chicago, Ill. (226m-1330kc), 2-4 p. m., program for shut-ins; 6-8, dinner concert; old-fashioned songs, Walter Preston; WIBO string trio; Dorothy Rae, soprano; Florence Osterman, contralto; Joe North, baritone; Earl Bigelow, pianist; 10-12, popular program; open request night; Prof. Black, cryptologist; Marie Tully, soprano; Hicky and Johnson; William Molnaire, tenor; Erwin Cornelius, uke soloist; Lenore Friedman, soprano; Pearl Holzman, pianist; Irene Beasley, The Jordans.

WJAZ, Chicago, Ill. (322.4m-930kc), 9-1 a. m., continuous dance program.

WJJD, Mooseheart, Ill. (370.2m-810kc), 2-3 p. m., Howard L. Peterson, organist; 4-5, music, children; 5:30-7, Jack Nelson; Palmer House symphonic players; Howard L. Peterson, organist; Palmer House Victorians; 8-9, music, children; 10-11, R. V. Thomas; John Norton; Palmer House Victorians; 12:30 a. m., "Settin' Up" hour.

WKAF, Milwaukee, Wis. (261m-1150kc), 10-11 p. m., Campus Skylarks; Harmony Girls; Isabel Renee, Anne Bauman.

WKRC, Cincinnati, Ohio (325.9m-920kc), 6 p. m., dinner program, Alvin Roehr's orchestra; 8:15, tenor solos, Oliver Plunkett; 9, concert orchestra; 9:40, orchestra music.

WLIB, Chicago, Ill. (302.8m-990kc), 7:30-8 p. m., "Auld Sandy"; 7:40-8, music; 11-1 a. m., dance music, songs, Correll and Gosden; Hawaiian guitar music, Langdon Brothers.

WLS, Chicago, Ill. (344.6m-870kc), 6:40 p. m., Ralph Emerson, organist; 7, Ford and Glenn; 7:15, "Dances of the Eighteenth Century," WLS trio; 7:45, H. D. Saddler production; 8, "Midnight," third prize-winning play; 8:30, George Goforth band; 9, Piedmont quartet; 9:30, Little Symphony of Chicago; 10:30, "French Songs and Salads," Ford and Glenn; 11-2 a. m., WLS circus.

WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., Hotel Gibson orchestra; 8, Syrian Temple Shrine band; 10:30, Crosley male quartet; 11, organ, Johanna Grosse; 11:30, dance program, Castle Farm.

WMAQ, Chicago, Ill. (447.5m-670kc), 4:45 p. m., pupils, Cosmopolitan School of Music; 6, Chicago theater organ; 6:30, Hotel La Salle orchestra; 8:25, Agnes Pillsbury, pianist; Nesta Smith, violinist; 9, WMAQ players; 9:55, chimes.

WMAZ, Macon, Ga. (261m-1150kc), 10-11 p. m., Lanier high school mandolin club; 11-12, Marvin Pharr, Pi Kappa Phi fraternity.

WMBB, Chicago, Ill. (250m-1200kc), 7-8 p. m., Trianon duo; Adele Hart, soprano; Edwin House, bass-baritone; Preston Graves, pianist; 9-11, Trianon orchestra; Woodlawn theater orchestra; Cecil and Esther Ward, Hawaiian guitar artists; Billie Allen Hoff, blues baby; Bob Bennett, pianist.

WOK, Chicago, Ill. (217.3m-1380kc), 4:30-7 p. m., Capitol theater organ; program; 10-1:30 a. m., Tearney's Town club orchestra; Carl Lorraine's Pershing Palace orchestra; Husk O'Hare's Cocoanut Grove orchestra; Capitol theater program; program.

WORD, Batavia, Ill. (275m-1090kc), 7-7:45 p. m., program; 9, Webster hotel trio; 11-12 midnight, program.

WQJ, Chicago, Ill. (447.5m-670kc), 3-4 p. m., Lavina Price, pianist; 7-8, dinner concert, Jack Chapman and his Rainbo Gardens orchestra; Carl Pfau, tenor; Helen Holman, soprano; Prof. Ascan Kittner, pianist, baritone; 10-1 a. m., Jack Chapman and his Rainbo Skylarks; Melodians; Clarence Theders; Joe Warner, character songs; Oxford Girls, harmony singers; artists; 1-2, Ginger hour, Jack Chapman and Little Skylarks.

WSAI, Cincinnati, Ohio (325.9m-920kc), 7 p. m., WEAF program; 7:30, Davis saxophone octet; 10:15, musical program, Congress Playing Card string quartet.

WSB, Atlanta, Ga. (428.3m-700kc), 10:45 p. m., Biltmore hotel orchestra.

WSM, Nashville, Tenn. (282.8m-1060kc), 6:30 p. m., concert, Francis Craig's orchestra; 8, program, Kiwanis club; 10, program, Negro spirituals.

WSMB, New Orleans, La. (319m-940kc), 9:30 p. m., Optimist club.

WSUI, Iowa City, Iowa (483.6m-620kc), 9 a. m., Mrs. F. Whinery, harpist.

Mountain Time Stations

CNRE, Edmonton, Can. (516.9m-580kc), 8:30 p. m., Hart House string quartet.

KOA, Denver, Colo. (322.4m-930kc), 12:15 p. m., Marjorie Nash, organist; 6:30, Brown Palace string orchestra; 8, Scheuerman's Colorado orchestra; 8:15, Mile High trio; KOA orchestra; June King, contralto; saxophone band; Elwin Smith, tenor; Stewart Housman, novelties; 10-12, Broadmoor Rhythm Rustlers.

KSL, Salt Lake City, Utah (299.8m-1000kc), 8 p. m., Salt Lake Chamber of Commerce; 9, Harmony Night Hawks.

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 5:30-6 p. m., Jim, Jack and Jean; 6, nightly doings; 6:15, Seeing California; 6:30, vest pocket program; 6:45, Radiotorial period; 7-7:30, program, A. H. Grebe and company, Synchrophase string ensemble; 7:30-8, Nick Harris' detective story; 8-9, program, California Petroleum corporation, Ventura orchestra and others; 9-10, program, Chevrolet Motor company of California; 10-11, Patrick-Marsh dance orchestra, Betty Patrick, soloist.

KFOA, Seattle, Wash. (454.3m-660kc), 12:30-1:30 p. m., Rotary club luncheon program; 7-8:15, Hopper Kelly company program.

KFON, Long Beach, Calif. (232.4m-1290kc), 6-6:30 p. m., Brayton's theater organ; 6:30-7, amusement information; 7-8, investors' hour; 8-9, Press-Telegram studio; 9-10, program, Sam Abrams, the tailor; 10-11, Oriole dance orchestra.

KFWB, Hollywood, Calif. (252m-1190kc), 6-7 p. m., dinner music, Fitzgerald Music company; 8-9, California serenaders; Sol Hoopii's Hawaiians, Esther White, popular songs; 9-10, Bill Hatch's Oakmont Country club orchestra; Mutual Motors mirth contest; 10-11, Warner Brothers frolic.

KGO, Oakland, Calif. (361.2m-830kc), 3-4 p. m., Ralph L. Cavanagh, baritone; Anna D. Bacon, mezzo-soprano; John T. Evans, whistler; 4-5:30, concert orchestra.

KHJ, Los Angeles, Calif. (405.2m-740kc), 8-10 p. m., program, United Church Brotherhood.

KLX, Oakland, Calif. (508.2m-590kc), 8-9:45 p. m., studio program; 9:45-10:30, Athens Athletic club.

KMTR, Hollywood, Calif. (238m-1260kc), 8-10 p. m., KMTR concert orchestra, Loren Powell, director; 10-11, Starr Piano company studio.

KNX, Hollywood, Calif. (336.9m-890kc), 5-5:30 p. m., Sunny Jim's talk; 5:30, Leighton's cafeteria orchestra; 6, Town Tattler; 6:15, travel talk, W. F. Alder; 6:30-7, Atwater Kent concert orchestra; 7-8, feature program; 8-9, program, Reeve-Gartzmann, Inc.; 9-10, program, Joe Daley's 165 Grocery Stores; 10-11, dance music; 11-12, Cocoanut Grove dance orchestra from the Ambassador.

KPO, San Francisco, Calif. (428.3m-700kc), 1-2 p. m., Rudy Seiger's Fairmont hotel orchestra; 2:30-3:30, matinee program; 6:40-7, Waldemar Lind and the States Restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel orchestra; 8-9, WEAF program; 9-10, program, dance music; 10-11, Waldemar Lind.

KTAB, Oakland, Calif. (240m-1250kc), 12-1 p. m., luncheon concert.

KWSC, Pullman, Wash. (348.6m-860kc), 7:30-9 p. m., Margery McIntosh, pianist; Catherine Robinson, violinist; David Lombard, saxophonist.

WDOD, WEAO, WEBJ, WEBW, WHAD, WHAZ, WJJD, WOR, WOS, WSM, WSUI, WTAM.

Eastern Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 12:30 p. m., Trinity church Lenten services; 6:30, dinner concert; 9, concert, Vincent Kroen, tenor; 11, Pittsburgh Post midnight revue.

WAHG, Richmond Hill, N. Y. (315.6m-950kc), 12 noon, Grebe matinee trio.

WBAL, Baltimore, Md. (246m-1220kc), 6:30-7:30 p. m., WBAL dinner orchestra; 7:30-8, recital, Frederick D. Weaver, organist; 8-10, Josephine McLaughlin, soprano; Hazel Fox, contralto; Katherine Simmerman, pianist; Evelyn Upp, violinist; Frederick H. Gottlieb, flutist; 9-10, WBAL string trio; John Wilbourn, tenor.

WBZ, Springfield, Mass. (333.1m-900kc), 6:30 p. m., Hotel Kimball orchestra; 7, Hotel Lenox ensemble; 7:30, Mrs. Irene Simpson Remmel, pianist; 8, musical program; 9:30, concert.

WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert, William Penn hotel; 8, WEAF program; 8:30, WEAF program; 9, WEAF program; 10, WEAF program.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:30 p. m., Cathay Tea Garden dance orchestra; 7:30, Snellenburg symphony orchestra; 8, Mitchell Gondolier; 8:15, Elizabeth Lapetina, coloratura soprano; Michael Fonticoli, operatic tenor; Letitia Radcliff, pianist; 8:45, Kandy Kids; 9, Barry O'Moore, Irish tenor; 9:30, Musical Chefs; 9:45, Professor Doolittle's Radio Mail; 10, Sesqui-centennial hour; 11, Parodians dance orchestra; 12, Club Cadix revue.

WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., dinner program, Goldkette ensemble; 8-9, studio program.

WDBO, Winter Park, Fla. (239.9m-1250kc), 8-10:30 p. m., entertainment; City of Sanford, program.

WEAF, New York, N. Y. (491.5m-610kc), 4 p. m., Rev. Michael Magidson, tenor; Margaret Mack, soprano; 5-6, Vincent Lopez and orchestra; 6-7, dinner music, Rose Room of Hotel Waldorf-Astoria; 7, midweek hymn singing; 7:30, the Smith Brothers; 8, the Larkinites, WEAF, WEEI, WGR, WWJ, WFI, WTAG, WOC, WCCO, KSD, WCAE, WEAR; 8:30, Hire's Harvesters, WEAF, WEEI, WFI, WCAE, WLIB, WSAI, WWJ; 9, Clicquot Club Eskimos, WEAF, WEEI, WEAR, WTAG, WFI, WCAE, WSAI, WEAR, WGR, WWJ, WOC, WCCO, KSD, WGN; 11-12, Vincent Lopez and orchestra from Casa Lopez.

WEAR, Cleveland, Ohio (389.4m-770kc), 7 p. m., Hotel Statler concert orchestra; 8, WEAF program; 8:30, program; 9, WEAF program; Workrite Radio artists; 10, Vincent Percy, organist.

WEEI, Boston, Mass. (348.6m-860kc), 1 p. m., assembly luncheon; 3:05, Lou Klayman and his orchestra; 4:50, Waltham senior high school glee club; 5:30, Harry Marshad and his orchestra; 6:05, Harry Marshad and his orchestra; 7, musical; 7:30, J. A. Edkins, bass; Henry Flynn, accompanist; 8, WEAF program; 8:30, Hire's Voyageurs; 9-10, WEAF program.

WFI, Philadelphia, Pa. (394.5m-760kc), 1 p. m., Tea Room ensemble; 3, Women's club of Ridley Park; 6:30, Bellevue-Stratford concert orchestra; 7, Bellevue-Stratford dance orchestra; 8, Larkinites; 8:30, Hire's Harvesters; 9, Clicquot Club Eskimos; 10, Silvertown Cord orchestra.

WGBS, New York, N. Y. (315.6m-950kc), 1:35 p. m., Teresa Santoro, soprano; 6:30, Perner-Stark orchestra; 9, Crystal Palace orchestra; 9:30, Old-time Minstrels; 10:30, Vanderbilt hotel orchestra.

WGCP, New York, N. Y. (252m-1190kc), 10:30 p. m., Irving Firstenberg, pianist; 10:45, Piotti and Val, songs; 11, program; 11:30, Strickland's orchestra; 12 midnight, frolic.

WGHP, Detroit, Mich. (270m-1110kc), 6-7 p. m., dinner concert, Hotel Tuller; 10-11, Skylark dance band; Harry Hayes, banjoist; saxophone quartet; 11-12, frolickers; 12-1 a. m., Gerald Marks and his orchestra.

WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., Hotel Ten Eyck trio; 7:15, WFBL program; 8:20, Rochester Philharmonic symphony orchestra; Sander Vas, pianist; 10, WGY orchestra; Mrs. Winslow Webb Lillie, soprano; "Chinese Language," Chang Chen; 11:30, Stephen E. Boisclair, organist.

WHAR, Atlantic City, N. J. (275.1m-1090kc), 8 p. m., Seaside hotel trio; 9, concert; 11, Follies Bergere dance orchestra.

WHN, New York, N. Y. (361.2m-830kc), 12:30-1 p. m., Lexington organ recital; 3:15-4, Lexington orchestra; 6:30, people's hour; 7, Iceland orchestra; 7:30, Loew's organ; 8, Will Oakland's Chateau Shanley; 9, Loew's New York Roof orchestra; 9:30, musical program; 10, Al Raymo's entertainers; 10:30, musical program; 11:30, Everglades orchestra; 12, Parody club orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 1 p. m., Gimbel Tea Room orchestra; 3, Belov saxophone sextet; 6:05, Pagoda cafe orchestra; 8:15, The Etude hour; 9, Ben Stad and his WIP Little Symphony orchestra; 10:05, real estate talk; 10:15, Nelson Maples and his S.S. Leviathan orchestra.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Jean Goldkette's symphony orchestra; soloists; 9, Jean Goldkette's orchestra; 10, Jean Goldkette's Victor Recording orchestra.

WJZ, New York, N. Y. (454.3m-660kc), 1 p. m., Hotel Pennsylvania concert orchestra; 7:20, Hotel Vanderbilt concert orchestra; 9, Royal Typewriter salon orchestra; 10:45, Freddie Rich and his Hotel Astor orchestra.

WLIT, Philadelphia, Pa. (394.5m-760kc), 12:02 p. m., daily almanac; Stanley theater organ recital; Arcadia cafe concert orchestra; 2, Arcadia cafe concert orchestra; 4:30, Margaret McDonald, contralto; Marie Dougherty, soprano; 7:30, Dream Daddy's bedtime stories.

WLWL, New York, N. Y. (288.3m-1040kc), 9 p. m., talk; 9:15, music; 9:30, question box; 10:15, talk; 10:30, songs.

WMAK, Buffalo, N. Y. (266m-1130kc), 6:15-7:15 p. m., dinner music.

WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Olcott Vail and his Hotel McAlpin orchestra; 6:30, Woodmansten Inn orchestra; 7, Jack Denny's orchestra; 10:30, Tango Palace orchestra; 11, Ernie Golden and his Hotel McAlpin orchestra.

WNYC, New York, N. Y. (526m-570kc), 7:10 p. m., song recital; 8, Raymond Maher, baritone; 8:15, Margaret Zeidler-Stiefel, soprano; 8:45, piano recital; 9:15, dance program.

WOO, Philadelphia, Pa. (508.2m-590kc), 11 a. m., organ recital; 12:02 p. m., Crystal Tea Room orchestra; 4:45, organ recital; 7:30, Adelphia hotel dance orchestra.

WOR, Newark, N. J. (405.2m-740kc), 6:30 p. m., Jacques Jacobs' Hotel Shelton ensemble.

WPG, Atlantic City, N. J. (299.8m-1000kc), 6:45 p. m., organ recital, Arthur Brook; 7, Hotel Morton dinner music; 8:15, concert, Neapolitan trio; Helen Hitner, soprano; Alice Wightman, accompanist; 10, Atlantic City Estates dance orchestra; 11, Silver Slipper Supper club, Eddie McKnight's orchestra.

WRC, Washington, D. C. (468.5m-640kc), 12 noon, organ recital; 12:30 p. m., Lenten services; 1, Hotel Mayflower orchestra; 7, New Willard hotel orchestra; 8:30, WJZ joint program; 9, Royal Salon orchestra; 10:45, Meyer Davis' Le Paradis band.

WTAG, Worcester, Mass. (268m-1120kc), 10:30 a. m., musical program; 12:05-2 p. m., noon day luncheon music; 4:30, entertainment; 8 8:30, WEAF program; 9-10, WEAF program; 10-11, WEAF program.

WTAM, Cleveland, Ohio (389.5m-770kc), 12:15-1:30 p. m., Guy Lombardo and his Royal Canadians; 6-7, Austin Wylie's Vocalion Recording orchestra.

WTIC, Hartford, Conn. (475.9m-630kc), 6:30 p. m., twenty minutes in happyland; 6:50, Hotel Bond trio; 8, American Legion orchestra.

WWJ, Detroit, Mich. (352.7m-850kc), 12:05 p. m., Jules Klein's Hotel Statler orchestra; 3, Detroit News orchestra; 6, dinner concert; 8, WEAF.

KNX is the gathering place for the lovely Wampas stars of 1926. Among the favorite Radio artists is Marceline Day, above. Her attractive personality endears her even to her invisible audience.

Thursday, March 11

Headliners Today

Eastern	Central	Mountain	Pacific
3:15 p. m.	2:15 p. m.	1:15 p. m.	12:15 p. m.

WHO (526m-570kc) Jack Little.

8:30	7:30	6:30	5:30

WTAM (389.4m-770kc) American folk songs.

9	8	7	6

WCAR (263m-1140kc) Elephantics.

9:50	8:50	7:50	6:50

WMAQ (447.5m-670kc) Chicago Kent vs. Iowa State debate.

10	9	8	7

KPO (428.3m-700kc) "El Toroso," operetta.

WHB (365.6m-820kc) Missouri Pacific band.

WJAZ (322.4m-930kc) Classical program.

10:30	9:30	8:30	7:30

WBAP (475.9m-630kc) Band concert.

11	10	9	8

KGO (361.2m-830kc) "Kathleen Mavourneen," Irish drama.

Thursday, silent night for: CHIC, CKNC, CNRA, CNRE, CNRO, CNRR, CNRT, CNRV, CNRW, KFAB, KFAU, KFDM, KFEQ, KFMX, KFOA, KFUO, KFVE, KFWA, KGW, KLX, KMOX, KOA, KOAC, KOB, KWSC, PWX, WABQ, WAFD, WAHG, WCAP, WCEE,

NEWS BULLETINS

Daily Except Sunday

Eastern	Central	Mountain	Pacific
9:45 a. m.	8:45 a. m.	7:45 a. m.	6:45 a. m.

KDKA (309.1m-970kc).

10	9	8	7

WGN (302.8m-990kc).

10:35	9:35	8:35	7:35

WCCO (416.4m-720kc).

11	10	9	8

WOAI (394.5m-760kc).

12 m.	11	10	9

CFCA (356.9m-840kc); KDKA (309.1m-970kc); KPRC (296.9m-1010kc).

12:30 p. m.	11:30	10:30	9:30

WCAE (461.3m-650kc).

1	12 n.	11	10

KGW (491.5m-610kc); KNX (336.9m-890kc).

1:15	12:15 p. m.	11:15	10:15

WOAI (394.5m-760kc).

3:45	2:45	1:45 p. m.	12:45 p. m.

WHAS (399.8m-750kc).

4	3	2	1

WCX (516.9m-580kc).

4:30	3:30	2:30	1:30

WCAE (461.3m-650kc); WFAA (475.9m-630kc).

6	5	4	3

CFCA (356.9m-840kc).

6:30	5:30	4:30	3:30

WPG (299.8m-1000kc).

7	6	5	4

KOIL (278m-1080kc); WOC (483.6m-620kc).

7:15	6:15	5:15	4:15

WMAK (265.6m-1130kc); WOAI (394.5m-760kc).

8	7	6	5

WMBF (384.4m-780kc); WMCA (340.7m-880kc).

9	8	7	6

WSAI (325.9m-920kc).

9:30	8:30	7:30	6:30

KPO (428.3m-700kc).

10	9	8	7

KLX (508.2m-590kc).

10:45	9:45	8:45	7:45

WEBH (370.2m-810kc).

Sunday

Eastern	Central	Mountain	Pacific
8 p. m.	7 p. m.	6 p. m.	5 p. m.

WMAK (265.6m-1130kc).

8:15	7:15	6:15	5:15

WEBH (370.2m-810kc).

9	8	7	6

WPG (299.8m-1000kc).

12	11	10	9

KFWB (252m-1190kc).

KYW, "The World Crier," broadcasts news every half hour from 8 a. m. to 2 a. m.

KPO GIVES OPERETTA "EL TOROSO"

Thursday, March 11

Central Time Stations

KFH, Wichita, Kan. (268m-1120kc), 10-11 p. m., American Legion quartet.

KFRU, Columbia, Mo. (499.7m-600kc), 4:30 p. m., Bella Vista Quadrangle orchestra; 6:15, dinner music.

KLDS, Independence, Mo. (441m-680kc), 8 p. m., music appreciation series, Arthur Mills; 8:15, musical program, William Jewell college.

KMA, Shenandoah, Iowa (252m-1190kc), 11:30-12:30 p. m., noonday rural program; Farnham trio; 9-11, Delmonico Dreamers' dance orchestra.

KPRC, Houston, Texas (296.9m-1010kc), 12 noon, Optimist's club luncheon program; 7:30 p. m., C. A. Blanchard and his orchestra; 8:30, concert.

KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., WEAF program; 7:30, Esmeralda Berry Mayes, pianist; 8, WEAF program; 9, WEAF program.

KSO, Clarinda, Iowa (241.8m-1240kc), 7-8 p. m., music, Baker and Anderson; 8-9:30, college band.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9-9:30 p. m., Lawson Reid, organist; 9:30-10, operatic gems, Eastman Hotel Eight; 10-10:45, Harding College male quartet; 10:45-11:30, New Arlington hotel orchestra.

KYW, Chicago, Ill. (535.4m-560kc), 12:05-1 p. m., noonday concert; 1-2, luncheon concert, Congress hotel; 2:35-4, afternoon frolic; 6-7, dinner music; 8, musical program, Congress hotel; 9, music hour; 10, evening at home; 1 a. m., insomnia club.

WAMD, Minneapolis, Minn. (244m-1230kc), 6:15 p. m., George Osborn and his orchestra.

WBAP, Fort Worth, Tex. (475.9m-630kc), 12:05-12:30 p. m., Fred Cahoon's orchestra; 6-6:30, Texas hotel orchestra; 7:30-8:30, Lorena Walcott Barker, soprano; Carter Haynes, baritone; 9:30-11, A. and M. college; 11, Pantages theater.

WBBM, Chicago, Ill. (226m-1330kc), 4-6 p. m., Sandy and Harry; William Dalton, baritone; Irene Beasley; Sidney Nireman; Russell Meyers; Jack Pennewell and Freddy Palmiter; 8-10, Barber Shop Three; Jack Crawford's orchestra; Ziegler Sisters; Two Jays; Charlie Garland; Maurice Silverman; Pauline Stiffler Atlass, violinist; Floyd Falch; 10-12, Harry and Sandy; Moulin Rouge orchestra; Harry Brailsford, mandolinist; Pearl Jarret; pianologues; Fred Jacobson; stars, Moulin Rouge cafe.

WCAL, Northfield, Minn. (336.9m-890kc), 7 p. m., program, Norwegian Lutheran church.

WCAR, San Antonio, Tex. (263m-1140kc), 8-9 p. m., Elephantics; 9-10, Don Peacock and his orchestra.

WCBD, Zion, Ill. (344.6m-870kc), 8 p. m., mixed quartet, violin quartet, school chorus; Chester Bagg, baritone; Daniel Mason, trombonist; Gerald Mason, cornetist; Ruth Pihl, Mrs. Lucille Bird, duettists; Wiedman Sisters, double duets; Lois Wiedman, reader; Bessie Schaefer, pianist.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 12 noon, noon concert, Donaldson's orchestra; 2 p. m., among the musicians; 7, WEAF program; 7:30, musical program; 8, WEAF program; 10:20, Dick Long's Nankin cafe orchestra.

WDAF, Kansas City, Mo. (365.6m-820kc), 3:30-4:30 p. m., Star's string orchestra; 6-7, Trianon ensemble; 11:45-1 a. m., Ted Weem's Victor Recording orchestra.

WEAO, Columbus, Ohio (293.9m-1020kc), 1:30 p. m., request program; Robert Coleman, pianist; Mrs. Robert Cole, soprano; 8:15, music.

WEBH, Chicago, Ill. (370.2m-810kc), 9 p. m., Oriole orchestra; 9:45, Ruth Buhl Flick, reader; Oriole saxophone quintet; Howard Neumiller, pianist; 11, Oriole orchestra; 12:30 a. m., Rita McFawn, Mary Bieber; Oriole string trio.

WFAA, Dallas, Tex. (475.9m-630kc), 12:30-1 p. m., Frank Reedy, traveler; 4:30-5, Noel Shaw, Eudoxia Butler; 6:30-7:30, Baker hotel orchestra; 8:30-9:30, Anna Majer Rapley, pianist.

WGN, Chicago, Ill. (302.8m-990kc), 11-11:30 a. m., morning organ concert, Chicago theater, Dean Fossler; 12:01-12:30 p. m., noon-hour entertainment for children; 12:40-2:30, luncheon concert music; 2:30-3, Lyon and Healy artists' recital; 3:25, Port o' Missing Men; 3:30-4:15, tea time music; 4:30-5, organ recital, Edward Benedict; 6:45, dinner concert music; 6:45-7, old-time favorite songs; 10-10:10, Sam 'n' Henry, Radio comic strip; 10:10-10:30, play shop; 10:30-10:45, old-time songs; 10:45, dance music; songs, Correll and Gosden, Freda Leonard and Jewell Barnett.

WHAS, Louisville, Ky. (399.8m-750kc), 1-2 p. m., concert, Benson trio; 3-3:30, organ recital, Mrs. Myrtle Fulks Zahn, Jr.; 4-5, concert, Music Box Extension studio; 7:30-9, mixed vocal and instrumental concert; International Sunday school lesson.

WHB, Kansas City, Mo. (365.6m-820kc), 7-7:30 p. m., Morrill Moore, organist; 8-9, Hans C. Feil, organist; mixed quartet; 9-10, Missouri Pacific band.

WHO, Des Moines, Iowa (526m-570kc), 7:30-8 p. m., Raleigh quintet; 8-9, Bankers Life trio; 11-12, Bankers Life "Corn Sugar" orchestra.

WHT, Chicago, Ill. (399.8m-750kc), 10:15 a. m., Eva Ray, soprano; Amanda Burbop, pianist; 12 noon, Al Carney, organist; 6 p. m., dinner organ recital, Al Carney; 6:30, Hugh Aspinwall, tenor; Grayling's string trio; 6:45, Swedish program; 9:15, Cinderella cafe orchestra; 9:30, Kitchen Klenzer Klassics; 9:50, Jack Turner, popular singer; Jack Marshall, pianist; 10:10, U. S. L. entertainers, quartet.

WIBO, Chicago, Ill. (226m-1330kc), 2-4 p. m., program for shut-ins; 6-8, dinner concert; songs made famous by John McCormack, Walter Preston; Helen Snyder, soprano; Harriet Hebert, contralto; William Molnaire, tenor; string trio; Chester Newman, baritone; Swedish program; 12, midnight jamboree; Ted Fiorito, pianist; Dan Russo, violinist; Marie Tully, soprano; Wayne Meyers, reader; Henry Davis; Erwin Cornelius, uke soloist; Jack Goodman.

WJAZ, Chicago, Ill. (322.4m-930kc), 9-12 p. m., Lucille Sweetser and Alice Regina Johnson, pianists; Hazel Folsom, soprano; Elaine De Sellem, mezzo-soprano; Ruth Ford, contralto; George Grammer Smith, baritone; Louis Victor Sarr, pianist and composer; Hans Muenzer, violinist; Avresta Parrish, contralto; chimes.

WJJD, Mooseheart, Ill. (370.2m-810kc), 2-3 p. m., Howard L. Peterson, organist; 4-5, music, children; 5:30-7, Jack Nelson; Palmer House symphonic players; Howard L. Peterson, organist; Palmer House Victorian; 8-9, music, children; 10-11, Palmer House Victorians; 12:30 a. m., Palmer House Victorians; Jack Nelson.

WKAF, Milwaukee, Wis. (261m-1150kc), 8:30-10 p. m., Trixie Ann Troy and her Royal Hawaiians; Harmony Girls, Isabel Renee, Anne Bauman.

WKRC, Cincinnati, Ohio (325.9m-920kc), 10 p. m., Eugene Perazzo, organist; 10:30, Swiss Garden program; 11, popular song recital; 11:15, Marion McKay and his orchestra.

WLIB, Chicago, Ill. (302.8m-990kc), 7-7:30 p. m., musical program; 7:30-8, Hire's Harvesters; 11-1 a. m., dance music; songs, Correll and Gosden; Hawaiian guitar music, Langdon Brothers.

WLS, Chicago, Ill. (344.6m-870kc), 6 p. m., WLS trio; 6:30, Ralph Emerson, organist; 7, Ford and Glenn; 7:15, staff artists.

WLW, Cincinnati, Ohio (422.3m-710kc), 12:40 p. m., songs, Russell Green, lyric tenor; 4, piano recital, Adelaide Apfel; 6:15, musical handshakes, Bob Groenke, Jim Mischler, the original Crosley Hello Boys; 7, dinner concert, Hotel Gibson orchestra; 8, musicale, Delta Omicron sorority, Eta chapter, College of Music; 8:30, Lee's concert band; 9:30, Uncle Jake Rutz and his Punkin Vine orchestra; 10:05, concert, Doherty Melody Boys; 11, Billy Huber, baritone; Pet Trimbur, pianist; 11:15, Castle Farm, 12:15 a. m., Night Howls with Crosley Pups.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Hotel La Salle orchestra; 8:30, Chicago Kent vs. Iowa State debate.

WMBB, Chicago, Ill. (250m-1200kc), 7-8 p. m., Trianon duo; 9-11, Trianon orchestra; Woodlawn theater orchestra; Lucile O'Hara, soprano; Bob Duffy, baritone; Ed Wallace, tenor; Clinton Keithley, composer.

WOAW, Omaha, Nebr. (526m-570kc), 4:15 p. m., Adams' orchestra; 6, Dorothy Chenoweth Lowden, harpist; E. M. Mills, trumpeter; 6:30, Manna Kea trio; 6:50, Randall's Royal Fontenella orchestra; 10:30, Herb Feierman's orchestra; 12, Roseland Radio frolic.

WOI, Ames, Iowa (270m-1110kc), 8 p. m., musical program, orchestra, First M. E. church.

6:15, Seeing California; 6:30, west pocket program; 6:45, Radiotorial period; 7-8, program, students, University of Southern California; 8-9, dance music; 9-10, program by remote control from Chickering Hall; 10-11, varied program of classics and semi-classics.

KFOA, Seattle, Wash. (454.3m-660kc), 4-5:15 p. m., Times program.

KFON, Long Beach, Calif. (232.4m-1290kc), 6-6:30 p. m., Brayton's theater organ; 6:30-7, amusement information; 7-7:30, studio program; 7:30-8, Long Beach Municipal band; 8, book chat; 8:15-9, Municipal band; 9-11, Lake club dance orchestra.

KFWB, Hollywood, Calif. (252m-1190kc), 8-9 p. m.,

EDUCATIONAL FEATURES

Saturday, March 6

Eastern	Central	Mountain	Pacific
7:30 p. m.	6:30 p. m.	5:30 p. m.	4:30 p. m.

WHAR (275m-1090kc) Lecture period

8:15	7:15	6:15	5:15

KOIL (278m-1080kc) Educational period, University of Omaha.

9:30	8:30	7:30	6:30

WMAQ (447.5m-670kc) "Constantinople," Capt. Joel I. Connolly.

Monday, March 8

Eastern	Central	Mountain	Pacific
1:30 p. m.	12:30 p. m.	11:30 p. m.	10:30 p. m.

WSUI (483.6m-620kc) Address, Prof. Fleming.

6:30	5:30	4:30	3:30

WNYC (526m-570kc) German lesson.

7	6	5	4

WEAF (491.5m-610kc) Columbia university lecture.
WNYC (526m-570kc) Advanced German lesson.

8:30	7:30	6:30	5:30

WOI (270m-1110kc) Automobile course, Prof. A. Shane.
WSUI (483.6m-620kc) College of the Air.

9	8	7	6

CKY (384.4m-780kc) University lecture.

9:35	8:35	7:35	6:35

KSL (299.8m-1000kc) Mineralogy and Metallurgy.

10	9	8	7

KOA (322.4m-930kc) Spanish lesson.

11	10	9	8

KOA (322.4m-930kc) Voice culture.

11:50	10:50	9:50	8:50

KGO (361.2m-830kc) "Better English," Wilda Wilson Church; "The New and Old in the Reconstruction," Dr. Willard Smith.

Tuesday, March 9

Eastern	Central	Mountain	Pacific
1 p. m.	12 m.	11 a. m.	10 a. m.

KPRC (296.9m-1010kc) Educational program.

7	6	5	4

WKAR (285.5m-1050kc) Nature study.
WLW (422.3m-710kc) Historical appreciation of music, Etelka Evans.

1:30 p. m.	12:30	11:30	10:30

WSUI (483.6m-620kc) "Parents and Preschool Children," Prof. Stephen H. Bush.

6:30	5:30	4:30 p. m.	3:30 p.m.

WBZ (333.1m-900kc) "Great Italian Cities," A. O. Osborne.

7:10	6:10	5:10	4:10

WEAF (491.5m-610kc) French course.
WRC (468.5m-640kc) Radio school of international relations.

7:30	6:30	5:30	4:30

KSAC (340.7m-880kc) Better speech, etiquette, economics.
WBZ (333.1m-900kc) Educational Course, Edw. E. Whiting.
WGY (379.5m-790kc) "Organic Evolution," Prof. James W. Mavor.

8:20	7:20	6:20	5:20

WLW (422.3m-710kc) Crosley science lecture, George Parker.

10	9	8	7

WMAQ (447.5m-670kc) lecture, University of Chicago.
WOC (483.6m-620kc) Travel lecture, "Around the World in Eight Months in Eight Nights," B. J. Palmer.

11	10	9	8

KFAU (280.2m-1070kc) "Public Speaking," Rev. J. George Cunningham.

Wednesday, March 10

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.

KGO (361.2m-830kc) Speaker from Williams institute.

6:30	5:30	4:30	3:30

WNYC (526m-570kc) Spanish lesson, V. H. Berlitz.

7	6	5	4

WNYC (526m-570kc) Advanced Spanish lesson.
WMAQ (447.5m-670kc) Lecture, Northwestern university.

7:30	6:30	5:30	4:30

WBZ (333.1m-900kc) Radio nature league, Thornton W. Burgess.
WMCA (340.7m-880kc) Prof. Cortina's Spanish lesson.

Eastern	Central	Mountain	Pacific
7:40 p. m.	6:40 p. m.	5:40 p. m.	4:40 p. m.

WTAG (268m-1120kc) Spanish lesson, Mrs. John de la Parra.

8	7	6	5

WEAO (293.9m-1020kc) "Illumination," Prof. F. C. Caldwell.

8:20	7:20	6:20	5:20

WMCA (340.7m-880kc) Talk on securities.

8:30	7:30	6:30	5:30

WSUI (483.6m-620kc) College of the Air.

8:45	7:45	6:45	5:45

WTAG (268m-1120kc) Spanish lesson, Mrs. John de la Parra.

9	8	7	6

WMAQ (447.5m-670kc) lecture, Northwestern university.

9:35	8:35	7:35	6:35

KSL (299.8m-1000kc) "History of Mining."

10	9	8	7

WORD (275m-1090kc) "Modern Wonders," Calvin H. Swingle.
WSOE (246m-1220kc) "Contacts"; "Electrospect."
WSAI (325.9m-920kc) University of Cincinnati.

9	8	7	6

KUOA (299.8m-1000kc) "Modern Methods of Teaching Beginning Reading," E. Purnell Wilson. "A Farewell to Untrained Teachers," M. F. Showalter.

Thursday, March 11

Eastern	Central	Mountain	Pacific
7:30 p. m.	6:30 p. m.	5:30 p. m.	4:30 p. m.

KSAC (340.7m-880kc) Music, educational psychology.

8	7	6	5

WEAO (293.9m-1020kc) "Color and Color Problems," Prof. Howard D. Minchin.

8:30	7:30	6:30	5:30

WEAO (293.9m-1020kc) "Illumination," Prof. F. C. Caldwell.
WLW (422.3m-710kc) Educational feature.

9	8	7	6

KLDS (441m-680kc) Music appreciation, Prof. Arthur Mills.
KUOA (299.8m-1000kc) lectures, University Extension.

9:30	8:30	7:30	6:30

WMAQ (447.5m-670kc) lecture, University of Chicago.

Friday, March 12

Eastern	Central	Mountain	Pacific
4 p. m.	3 p. m.	2 p. m.	1 p. m.

KFAB (340.7m-880kc) Science lectures.

5:30	4:30	3:30	2:30

KSAC (340.7m-880kc) Lessons in color and design.

6:30	5:30	4:30	3:30

WNYC (526m-570kc) French lesson.

7	6	5	4

WNYC (526m-570kc) Advanced French.

7:30	6:30	5:30	4:30

WBZ (333.1m-900kc) "Recent Development in Economics," Prof. Thomas N. Carver.
KSAC (340.7m-880kc) Travelogue.

7:35	6:35	5:35	4:35

WGY (379.5m-790kc) "French by Radio," Leon A. Huguemont.

8	7	6	5

WPG (299.8m-1000kc) Educational series.

8:15	7:15	6:15	5:15

WCAU (277.6m1080kc) chiropractic talk.

9:35	8:35	7:35	6:35

KSL (299.8m-1000kc) History of Civil Engineering.

10	9	8	7

WMAQ (447.5m-670kc) lecture, University of Chicago.

10:10	9:10	8:10	7:10

WNYC (526m-570kc) Board of Education.

10:15	9:15	8:15	7:15

WOC (483.6m-620kc) Travel lecture.

10:45	9:45	8:45	7:45

KOAC (280.2m-1070kc) "Composition of the Earth—New Construction of Matter," Prof. D. C. Livingston.

WOK, Chicago, Ill. (217.3m-1380kc), 4:30-7 p. m., Capitol theater organ, program; 10-1:30 a. m., Tearney's Town Club orchestra; Carl Lorraine's Pershing Palace orchestra; Husk O'Hare's Cocoanut Grove orchestra; Capitol theater program; program.

WORD, Batavia, Ill. (275m-1090kc), 8 p. m., Webster hotel concert trio; 8:15, International Sunday school lesson; 8:30, studio recital.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Boston Store hour; trio, violin, cello and piano; Margaret Cade, coloratura soprano; Madeline Ruff, pianist; 10-1 a. m., Jack Chapman and his Rainbo Skylarks; Edmund Kelly, baritone; Peter Mathews, basso; Katherine McDevitt, pianist; Jerry Sullivan, Rose Vanderbosch; Hal Lansing and his uke; Lew Butler, Anne Keim, mezzo-soprano; Bert Davis, clown of the air; Marie Pollitt, artists; 1-2, Ginger hour, Jack Chapman and Skylarks.

WSAI, Cincinnati, Ohio (325.9m-920kc), 7 p. m., musical program; 7:30, WEAF program; 8, Clicquot Club Eskimos; 9, Silvertown Cord orchestra.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., program, American Legion; 10:45, Charles A. Sheldon, junior organ.

WSMB, New Orleans, La. (319m-940kc), 9:30 p. m., Owls' orchestra; Radio Revelers' orchestra; Liberty theater orchestra.

WSUI, Iowa City, Iowa (483.6m-620kc), 12:30 p. m., organ recital, Mrs. Preston Coast.

Mountain Time Stations

CNRC, Calgary, Can. (435.8m-688kc), 9 p. m., C. N. R. orchestra; Hadyn male quartet.

KFXF, Colorado Springs, Colo. (250m-1200kc), 8:30-10:30 p. m., musical, Colorado College School of Music.

KOA, Denver, Colo. (322.4m-930kc), 12:15 p. m., Marjorie Nash, organist; 3:30, Kathleen Walker, violinist; Helen Ferril, soprano; 6:30, Brown Palace string orchestra.

KFAU, Boise, Idaho (280.2m-1070kc), 8 p. m., Mode Department store.

KSL, Salt Lake City, Utah (299.8m-1000kc), 8 p. m., Utah Radio Products company; 9, staff artists; 10, artists.

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 5:30-6 p. m., Bamboo Gardens dance orchestra; 6, nightly doings; Hy Kasch and his dance orchestra; Bill Blake, tenor; Lola Gill, ballads; Frances St. George, jazzmania girl; 9-10, program, Don P. Smith, Inc., Diana-Moon dance orchestra, Ashley Sisters in vocal duets; Sol Hoopii's Hawaiians; 10-11, Warner Brothers frolic with Charley Ilch's Sunset Canyon Country club orchestra.

KGO, Oakland, Calif. (361.2m-830kc), 4-5:30 p. m., concert orchestra; 8, "Kathleen Mavourneen," KGO players; 10-1 a. m., Brokaw and orchestra.

KHJ, Los Angeles, Calif. (405.2m-740kc), 8-10 p. m., program, Owensmouth Chamber of Commerce.

KMTR, Hollywood, Calif. (238m-1260kc), 6-7 p. m., Starr Piano company studio; 7:30, auction bridge points, Bertie D. Hilands; 8-10, KMTR concert orchestra, Loren Powell, director.

KNX, Hollywood, Calif. (336.9m-890kc), 5:30 p. m., Leighton's Arcade cafeteria orchestra; 6:30-7, Atwater Kent concert orchestra; 7-8, program, H. L. Crockett; 8-9, Willys-Overland dealers; 9-10, program, John A. Vaughn corporation; 10-11, fights from Hollywood American Legion stadium; 11-12, Cocoanut Grove dance orchestra from the Ambassador.

KPO, San Francisco, Calif. (428.3m-700kc), 1-2 p. m., Rudy Seiger's Fairmont hotel orchestra; 2:30-3:30, matinee program; 3:30-4:30, Cyrus Trobbe's Palace hotel orchestra; 6:40-7, Waldemar Lind and the States Restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel orchestra; 8-9, program, Caswell string quartet; 9-10, "El Toroso," operetta; 10-11, Jack Coakley's Cabirians.

KPSN, Pasadena, Calif. (315.6m-950kc), 8-9 p. m., program, Chamber of Commerce.

KTAB, Oakland, Calif. (240m-1250kc), 12-1 p. m., luncheon concert; 8-10, program.

Friday, March 12

Headliners Today

Eastern	Central	Mountain	Pacific
3:15 p. m.	2:15 p. m.	1:15 p. m.	12:15 p. m.

WHO (526m-570kc) Jack Little.

Eastern	Central	Mountain	Pacific
6	5	4	3

WCAP (468.5m-640kc) Mozart string quintet.

8	7	6	5

KSD (545.1m-550kc) Scandinavian program.

8:30	7:30	6:30	5:30

WBZ (333.1m-900kc) North Atlantic fiddlers.
WCAE (461.3m-650kc) Kenyon Troubadours.
WJZ (454.3m-660kc) Bonnie Laddies.
WHO (526m-570kc) Jack Little.

9	8	7	6

WAMD (244m-1230kc) Reception Five.
WDAF (365.6m-820kc) Opera, "The Mikado."

10	9	8	7

KTHS (374.8m-800kc) Italian Neapolitan folk music.

10:15	9:15	8:15	7:15

KOA (322.4m-930kc) Welsh male chorus.

Friday, silent night for: CFAC, CHIC, CKNC, CKY, CNRC, CNRM, CNRO, CNRR, CNRW, KFAU, KFEQ, KFKU, KFWA, KFXF, KGO, KFAU, KLDS, KPRC, KUOA, KUOM, PWX, WBBR, WCAD, WCBD, WEAO, WEBW, WGBS, WGST, WHAZ, WIP, WJAZ, WKRC, WLW, WLWL, WMAK, WNAD, WRC, WREO, WRVA, WSAI, WSMB, WSUI, WTAM.

Eastern Time Stations

CNRT, Toronto, Can. (356.9m-840kc), 6:30 p. m., King Edward hotel concert orchestra; 7:30, Florence M. Benjamin, mezzo-soprano; Hazel Collins, accompanist; 9, Music Makers; 11, King Edward hotel dance orchestra.

KDKA, Pittsburgh, Pa. (309.1m-970kc), 6:30 p. m., dinner concert; 9, concert; 10:10, Teaberry time.

WAHG, Richmond Hill, N. Y. (315.6m-950kc), 12 noon, musical; 7:45 p. m., Estelle Mayer, violinist; 8, Skinner organ recital; 9, Fred Gerrold, baritone; 9:15, Shell Beach trio; 9:40, John Von Aspe, tenor; 10, songs; 10:15, dance orchestra.

WBAL, Baltimore, Md. (246m-1220kc), 6:30-7:30 p. m., WBAL dinner orchestra; 7:30-8, WBAL male quartet; 8-9, Mary Knox Fitz, pianist; John Mealy, whistler.

WBZ, Springfield, Mass. (333.1m-900kc), 6:30 p. m., Hotel Kimball orchestra; 7, Helen S. Leavitt, organist; 8, concert, Edwin J. McEnelly and his orchestra; 8:30, fiddlers' contest.

WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert, William Penn hotel; 8:30, Kenyon Troubadours; 10:30, Brunswick orchestra.

WCAP, Washington, D. C. (468.5m-640kc), 6 p. m.-12:30 a. m., Mozart string quintet; Little orchestra; WEAF program.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:45 p. m., Hotel Pennsylvania orchestra; 7:30, Snellenburg instrumental trio; 8, recital; 8:15, chiropractic talk; 8:30, Singing Groundhog; 8:45, Bryan Girl; 9:15, Dwight Strickland, "poetician"; 9:30, Sea Gulls dance orchestra; 10, songs; 10:30, Myers' Musical Architects.

WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., dinner program, Goldkette ensemble; 8-9, program; 9-10, dance music, Jean Goldkette's Breeze Blowers.

WDBO, Winter Park, Fla. (239.9m-1250kc), 9-10:30 p. m., entertainment; Sanlando harmonizers.

WEAF, New York, N. Y. (491.5m-610kc), 4 p. m., Francine Vyde, coloratura soprano; 4:15, Celia Negin, pianist; 4:30, Leo Bartunique, baritone; 5, Vincent Lopez and his orchestra; 6, dinner music; 7, Carroll Cooney's orchestra; 7:30, "Sir Hobgoblin Has a Bit of News," WOO, WCAP, WCAE, WGR, WJAR, WEAR, WTAG, WOC; 7:45, Rudolph Joskowitz, concert violinist; 8, Happiness Candy Boys; 8:30, Eagle Neutrodyne trio; 9, Cities Service quartet and orchestra, WEEI, WOO, WEAR, WGN, KSD; 9:30, The Vikings, WJAR, WGR, WTAG, WCAE, WOC, WWJ, KSD, WEAR, WCAP; 10, Whittall Anglo Persians, WCAP, WEEI, WJAR, WOO, WGR, WTAG, WCAE, WOC, WCCO, WWJ, KSD, WEAR, WGN; 10:30, chamber musicale; 11-12, Ben Bernie and his orchestra.

WEAR, Cleveland, Ohio (389.4m-770kc), 7 p. m., Wormack's Singing Syncopators; 7:30, WEAF program; 8, Wingfoot quartet; 9, WEAF program; 9:30, WEAF program; 10, WEAF program; 10:30, Wormack's Singing Syncopators.

WEBJ, New York, N. Y. (272.6m-1100kc), 7 p. m., Ritz theater ensemble; 7:45, W. C. Ihlefeld, entertainer; 8, Ben Ruty, Michael Savino, Hawaiian guitar duets; 8:15, Richard Franklin, pianist; 8:30, Paradise Melodians.

WEEI, Boston, Mass. (348.6m-860kc), 5 p. m., Frankie Ward and his orchestra; 6:13, Joe Rines and his Hunters' Cabin orchestra; 6:45, Big Brother club; 7:30, Whiting's Milk company program; 8, musical; 8:30, Neapolitan Ice Cream company program; 9, WEAF program; 9:30, Carter's Incas; 10-10:30, WEAF program.

WFI, Philadelphia, Pa. (394.5m-760kc), 1 p. m., Tea Room ensemble; 3, Sesqui-centennial program; 6:30, Bellevue-Stratford concert orchestra; 7, Bellevue-Stratford dance orchestra.

WGBS, New York, N. Y. (315.6m-950kc), 1:35 p. m., Juliet Strahl, soprano; 2, school children's program; 3:10, Anna Winner, contralto; 6:30, Anzell's orchestra.

WGCP, New York, N. Y. (252m-1190kc), 3 p. m., Elvira Rosa Geiger, pianist; 3:30, Marie Kalla, soprano; 3:45, Sherman and Neal, songs; 4:15, Hugo Angelo, tenor; 4:45, Rubey Cowen, songs; 5:10, Clarence Profit, pianist; 7, China Rose orchestra; 7:30, Billy Ihlefeld, pianist and singer; 8:15, program.

WGHP, Detroit, Mich. (270m-1110kc), 6-7 p. m., dinner concert, Hotel Tuller; 10-11, entertainers; 11-12, Skylark dance band; T. Stanley Perry, tenor; 12-1 a. m., Gerald Marks and his orchestra.

WGY, Schenectady, N. Y. (379.5m-790kc), 2:30 p. m., WGY matinee players; 7, Eastman theater orchestra; 8:15, "Border Lines," WGY players; 10:30, Rice string quartet; Carl Jester, tenor.

WHAR, Atlantic City, N. J. (275.1m-1090kc), 8 p. m., Seaside hotel trio.

WHN, New York, N. Y. (361.2m-830kc), 2:15-4 p. m., musical program announced; 6, people's hour; 7, Harry Richman and his entertainers; 7:30, Melody club orchestra; 8, Loew's vaudeville hour; 9, Loew's theater orchestra; 10, Roseland dance orchestra; 10:30, Anatol Friedland; 11, Twin Oaks orchestra; 12, Silver Slipper orchestra; 12:30 a. m., Avalon club orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 1 p. m., Gimbel Tea Room orchestra; 6:05, Benjamin Franklin concert orchestra; 7, Uncle Wip's bedtime stories; Alberta Fuchs, songs.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Jean Goldkette's symphony orchestra; soloists; 9, Mulkey Celebrities.

WJZ, New York, N. Y. (454.3m-660kc), 1 p. m., Hotel Ambassador trio; 4:30, Hotel Astor tea orchestra; 7, Hotel Commodore concert orchestra; 8, Sundial shoe serenaders; 8:30, Bonnie Laddies; 10:30, Hotel Lorraine grill orchestra.

WLIT, Philadelphia, Pa. (394.5m-760kc), 12:02 p. m., daily almanac; Stanley theater organ recital; Arcadia cafe concert orchestra; 2, Arcadia cafe concert orchestra; 2:30, playlet, students National School of Oratory and Elocution; 4:30, recital; 7:30, Dream Daddy and his Record Boys' and Girls' club; 8, Arcadia cafe concert orchestra; 8:15, spelling bee; 8:30, concert, Camden Radio show; 10, Morning Glory club; Arcadia cafe dance orchestra; 10:30, Rufus and Rastus; 11, Morning Glory club; features from leading theaters.

WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Olcott Vail and his Hotel McAlpin string ensemble; 6:30, Ernie Golden and his Hotel McAlpin orchestra; 7:30, Sach's Musical Monarchs; 8, Woodmansten Inn orchestra; 8:50, Broadway association; 9, Hardman hour of music; 11, Hofbrau Haus entertainers; 11:30, Jack Denny's orchestra.

WNYC, New York, N. Y. (526m-570kc), 6:20 p. m., song recital; 7:35, dance program; 8:30-9:30, German Irving theater ensemble; 9:30, instrumental trio.

WOO, Philadelphia, Pa. (508.2m-590kc), 11 a. m., organ recital; 12:02 p. m., Crystal Tea Room orches-

NORTH-ATLANTIC FIDDLERS AT WBZ

The Community programs at WSAI, Cincinnati, have been featuring many prominent American musicians. This week Francis MacMillen, famous violinist, is the soloist.

Friday, March 12

tra; 4:45, organ recital; 7:30, Ritz-Carlton dance orchestra; 9:25, Fox theater symphony orchestra; 10:15, organ recital, Mary E. Vogt; 10:30, Sylvania dance orchestra.

WOR, Newark, N. J. (405.2m-740kc), 6:30 p. m., Jacques Jacobs' Hotel Shelton ensemble; 7, Copenhagen quartet.

WPG, Atlantic City, N. J. (299.8m-1000kc), 1:30 p. m., Hotel Morton music; 4:30, organ recital, Arthur Brook; 7, Hotel Morton dinner music; 8:15, Sol Kendis and Chick Leonard, entertainers; 8:30, studio concert; 9, Hotel Traymore concert orchestra; 9:30, Hotel Traymore dance orchestra; 10, James' Salt Water Taffy Boys' dance orchestra; 11, organ recital, popular selections, Jean Wiener, organist.

WRC, Washington, D. C. (468.5m-640kc), 12 noon, Otto F. Beck, organist; 12:30 p. m., Lenten services; 1, Meyer Davis' New Willard hotel orchestra; 3:30, concert, U. S. Marine band orchestra; 5, W. Spencer Tupman's Hotel Mayflower orchestra.

WTAG, Worcester, Mass. (268m-1120kc), 10:30 a. m., musical program; 12:05-2 p. m., noon-day luncheon music; 3-5, Tea Dansant music; 8:15-9:30, concert program; 9:30-10, WEAF program; 10-10:30, WEAF program.

WTAM, Cleveland, Ohio (389.5m-770kc), 12:15-1:30 p. m., Guy Lombardo and his Royal Canadians; 6-7, Hotel Hollenden orchestra.

WTIC, Hartford, Conn. (475.9m-630kc), 11:25 a. m., Laura C. Gaudet, pianist; 12:05 p. m., Travelers club orchestra; 6:30, Hub trio.

WWJ, Detroit, Mich. (352.7m-850kc), 12:05 p. m., Jules Klein's Hotel Statler orchestra; 6, dinner concert; 8, Elks; 9:30, WEAF; 10:30, dance program.

Central Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., dinner concert; 8:30-10:30, program, C. B. & Q.

KFH, Wichita, Kan. (268m-1120kc), 10-11 p. m., Lambert Crystal Radio program.

KFRU, Columbia, Mo. (499.7m-600kc), 4:30 p. m., Bella Vista Quadrangle orchestra; 6:15, dinner music; 12-1 a. m., musical program, Stephens college faculty of music; 1-2, Bella Vista Quadrangle orchestra.

KMA, Shenandoah, Iowa (252m-1190kc), 11:30-12:30 p. m., noonday rural program; piano solos; Walter Nixon; 6-7, How-do-you-do boys; 9-11, musical program.

KPRC, Houston, Texas (296.9m-1010kc), 12 noon, Frank Tilton, blind wonder boy, pianist.

KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., Scandinavian program, Gunborg Aspen, soprano; 8, WEAF program; 8:30, WEAF program; 9, WEAF program.

KSO, Clarinda, Iowa (241.8m-1240kc), 7-7:30 p. m., music; 7:30-9:30, mixed program, orchestra.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9-9:30 p. m., Italian Neapolitan folk music; 9:30-10:30, Jack-o'-Lantern Night club; 10:30-11:15, artists' presentation.

KYW, Chicago, Ill. (535.4m-560kc), 12:05-1 p. m., noonday concert; 1-2, luncheon concert, Congress hotel 6-7, dinner music; 9, music hour; 10-12:30 a. m., midnight revue; Henri A. Keates, McVickers organ; 1, Insomnia club.

WAMD, Minneapolis, Minn. (244m-1230kc), 7:10 p. m., Schiller school program; 8, Reception Five program; 11, George Osborn and his orchestra.

WBAP, Fort Worth, Tex. (475.9m-630kc), 12:05-12:30 p. m., Fred Cahoon's orchestra; 6-6:30, Texas hotel orchestra; 7:30-8:30, Mineral Wells Lodge No. 212, K. of P.; 9:30-11, A. & M. orchestra.

WBBM, Chicago, Ill. (226m-1330kc), 4-6 p. m., Harry and Sandy; Harold Morava, lyric tenor; William Dalton, baritone; Joe McManus; Ralph Botthof; 8-10, Moulin Rouge orchestra; Two Jays; Jack Crawford's orchestra; Barber Shop Three; Verdi trio; Dave Handler, violinist; Floyd Falch.

WCAR, San Antonio, Tex. (263m-1140kc), 8-10 p. m., musicale.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6:15 p. m., dinner concert, Biley's St. Paul hotel concert orchestra; 8, Watkins Minstrels; 9, WEAF program; 10:05, Emmet Long's Golden Pheasant orchestra.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., Trianon ensemble; 11:45-1 a. m., Ted Weem's Victor Recording orchestra.

WEBH, Chicago, Ill. (370.2m-810kc), 7 p. m., Oriole orchestra; 8, Pauline Sachs, soprano; Eleanor Kaplan, violinist; 9:45, WEBH light opera company; 11, Oriole orchestra; 12:30 a. m., Irene Beasley; Oriole marimba band.

WFAA, Dallas, Tex. (475.9m-630kc), 4:30-5 p. m., MacDowell Sisters; 6:30-7:30, Hauulea School of Hawaiian Music; 8:30-9:30, Mrs. Robert Parks Bennet.

WGN, Chicago, Ill. (302.8m-990kc), 12:40-2:30 p. m., luncheon concert music; 2:30-3, Lyon and Healy artists' recital; 3:25, Port o' Missing Men; 3:30-4:15, tea time music; 4:30-5, organ recital, Edward Benedict; 5:30-5:57, Skeezix time for children; 6:30-6:45, dinner concert music; 6:45-7, old-time favorite songs; 8-8:30, Cities Service quartet; 10-10:10, Sam 'n' Henry, Radio comic strip; 10:10-10:30, play shop; 10:45-11, dance music; songs, Correll and Gosden, Freda Leonard and Jewell Barnett; Hawaiian guitar music, Langdon Brothers.

WHAS, Louisville, Ky. (399.8m-750kc), 1-2 p. m., concert, Royal Peacock orchestra; 3-3:30, organ recital, Mrs. Myrtle Fulks Zahn, Jr.; 4-5, concert, Music Box Extension studio; 7:30-9, concert, Louisville Music and Radio company.

WHB, Kansas City, Mo. (365.6m-820kc), 7-8 p. m., Sweeney Radio orchestra; Bert Beuder, Zelma Maddock, pianist.

GENERAL TALKS AND SPEECHES

Saturday, March 6

Eastern	Central	Mountain	Pacific
8 p. m.	7 p. m.	6 p. m.	5 p. m.

WCCO (416.4m-720kc) "Fireside Philosophies," Rev. Roy L. Smith.

WEAF (491.5m-610kc) "Making Use of the Museum," Homer St. Gaudens.

8:05	7:05	6:05	5:05

WAMD (244m-1230kc) Talk, "What Prominent Outsiders Think of Minneapolis and the Great Northwest."

8:15	7:15	6:15	5:15

WOR (405.2m-740kc) Saturday review of literature.

8:45	7:45	6:45	5:45

WRC (468.5m-640kc) Zoo talk.

9:30	8:30	7:30	6:30

WMAQ (447.5m-670kc) "Constantinople," Capt. Joel I. Connolly.

WCAL (336.9m-890kc) "With the Great Masters," Dr. C. A. Mellby.

9:45	8:45	7:45	6:45

KHJ (405.2m-740kc) History story, Prof. Hertzog.

10:10	9:10	8:10	7:10

WNYC (526m-570kc) Travel talk.

Monday, March 8

Eastern	Central	Mountain	Pacific
5 p. m.	4 p. m.	3 p. m.	2 p. m.

WCCO (416.4m-720kc) Readers' club, Mrs. Walter Stevens.

7	6	5	4

WBZ (333.1m-900kc) "Theatrical Gossip," Sam Wren.

WCCO (416.4m-720kc) Talk, M. M. Oppegaard.

WRC (468.5m-640kc) "Show Shopping," Leonard Hall.

WTAG (268m-1120kc) Science talk, Fred D. Aldrich.

7:40	6:40	5:40	4:40

WOAW (526m-570kc) Insurance talk.

8:30	7:30	6:30	5:30

WPG (299.8m-1000kc) Health talk.

8:45	7:45	6:45	5:45

WEAF (491.5m-610kc) Tower health talk.

9	8	7	6

WBAL (246m-1220kc) Talk, Dr. David M. Robinson.

9:30	8:30	7:30	6:30

KUOA (299.8m-1000kc) Better home talks.

11:25	10:25	9:25	8:25

KGO (361.2m-830kc) "Chats About New Books," Joseph Henry Jackson.

Tuesday, March 9

Eastern	Central	Mountain	Pacific
3 p. m.	2 p. m.	1 p. m.	12 n.

KMA (252m-1190kc) Travelogue, G. H. Van Houten.

3:30	2:30	1:30	12:30

WCCO (416.4m-720kc) "The World of Books," H. A. Bellows.

6:30	5:30	4:30	3:30

WBZ (333.1m-900kc) "Great Italian Cities," A. O. Osborne.

7	6	5	4

CKAC (410.7m-730kc) Safety league talks.

WCCO (416.4m-720kc) Talk on Gorgas Memorial," Dr. H. D. Lees.

WDAF (365.6m-820kc) Road talk.

7:45	6:45	5:45	4:45

WMCA (340.7m-880kc) Tyrrell's health talk.

WTAG (268m-1120kc) "Detours for Radio Waves," Herbert H. Newell.

8:50	7:50	6:50	5:50

WLW (422.3m-710kc) Dogs.

9	8	7	6

WJJD (370.2m-810kc) Talk, Matthew P. Adams.

WMAQ (447.5m-670kc) Book talk, Harry Hansen.

WTIC (475.9m-630kc) "Crisis in Federal Reserve System," Prof. K. M. Williamson.

9:15	8:15	7:15	6:15

KNX (336.9m-890kc) Travel talk, W. F. Alder.

WMAQ (447.5m-670kc) Travel talk.

9:45	8:45	7:45	6:45

KHJ (405.2m-740kc) History story, Prof. Hertzog.

WMAQ (447.5m-670kc) University of Chicago lecture.

10:30	9:30	8:30	7:30

WCCO (416.4m-720kc) "Outdoors in Minnesota,"

11	10	9	8

KGW (491.5m-610kc) Book review; word-cartoon on styles.

12	11	10	9

KGO (361.2m-830kc) "Wonders of the Sky," Henry M. Hyde.

Wednesday, March 10

Eastern	Central	Mountain	Pacific
4:45 p. m.	3:45 p. m.	2:45 p. m.	1:45 p. m.

WEAF (491.5m-610kc) "Modern European Fiction," Dorothy Brewster.

5	4	3	2

WCCO (416.4m-720kc) Readers' club.

7 p. m.	6 p. m.	5 p. m.	4 p. m.

WDAF (365.6m-820kc) Health talk; meat talk.

WHB (365.6m-820kc) Automotive extension lesson, John Burns.

WMAQ (445.7m-670kc) Lecture, Northwestern university.

9	8	7	6

WLWL (288.3m-1040kc) "Accountancy," K. of C.

Eastern	Central	Mountain	Pacific
9:45 p. m.	8:45 p. m.	7:45 p. m.	6:45 p. m.

KHJ (405.2m-740kc) History story, Prof. Hertzog.

9:50	8:50	7:50	6:50

WMAQ (447.5m-670kc) "Birthstones," Fred M. Lund.

10:15	9:15	8:15	7:15

KOA (302.4m-930kc) "The Voice of Power," Floyd F. McCammon.

11	10	9	8

KHJ (405.2m-740kc) Talk on astronomy, Dr. Mars Baumgardt.

Thursday, March 11

Eastern	Central	Mountain	Pacific
4:45 p. m.	3:45 p. m.	2:45 p. m.	1:45 p. m.

WEAF (491.5m-610kc) "Homes of Our Presidents," Henry Humphrey.

5	4	3	2

KMA (252m-1190kc) Travelogue, G. H. Van Houten.

WCCO (416.4m-720kc) Readers' club.

7	6	5	4

WDAF (365.6m-820kc) Book talk, Louis Mecker.

WGY (379.5m-790kc) WGY book chat, William F. Jacob.

7:45	6:45	5:45	4:45

WMCA (340.7m-880kc) Health talk.

8	7	6	5

WIP (508.2m-590kc) "The Sesqui-Centennial," Hon. Harry A. Mackey.

WRC (468.5m-640kc) Smithsonian talk.

8:30	7:30	6:30	5:30

WGBS (315.6m-950kc) "Footlight and Lamplight," Oliver Sayler.

WLW (422.3m-710kc) "The Eyes Have It," Dr. C. H. Kaufman.

WTAG (268m-1120kc) Travel talk.

9	8	7	6

KUOA (299.8m-1000kc) "Arkansas Rural Electric Lines," W. B. Stelzner.

KYW (535.4m-560kc) "Twenty Minutes of Good Reading," Rev. C. J. Pernin.

WLWL (288.3m-1040kc) Review of books.

9:15	8:15	7:15	6:15

KNX (336.9m-890kc) Travel talk, W. F. Alder.

9:30	8:30	7:30	6:30

WMAQ (447.5m-670kc) Talk, Chicago Association of Commerce; lecture, University of Chicago.

9:45	8:45	7:45	6:45

KHJ (405.2m-740kc) History talk.

10	9	8	7

WRC (468.5m-640kc) Political situation, Frederick W. Wile.

WMAQ (447.5m-670kc) Lecture, University of Chicago.

10:30	9:30	8:30	7:30

KHJ (405.2m-740kc) Health talk.

10:45	9:45	8:45	7:45

KHJ (405.2m-740kc) Health talk, Dr. Phillip M. Lovell.

11:05	10:05	9:05	8:05

WCCO (416.4m-720kc) Traffic safety talk.

Friday, March 12

Eastern	Central	Mountain	Pacific
3 p. m.	2 p. m.	1 p. m.	12 n.

KMA (252m-1190kc) Travelogue, G. H. Van Houten.

5	4	3	2

WCCO (416.4m-720kc) Readers' club.

7	6	5	4

WOAW (526m-570kc) Music review, Hester Bronson Copper.

7:30	6:30	5:30	4:30

WBZ (333.1m-900kc) "Appreciation of Music," Prof. John A. O'Shea.

7:45	6:45	5:45	4:45

WTIC (475.9m-630kc) "The Investor's Problem," Wilbur Sherwood.

WMAQ (447.5m-670kc) "What We Hear in Music," Mr. and Mrs. M. E. Oberndorfer.

8	7	6	5

CNRT (356.9m-840kc) Address, C. R. Moore.

WCAL (336.9m-890kc) "Wives," Dr. George Weida Spohn.

WTIC (475.9m-630kc) "Up in the Air," Harry D. Copeland.

8:15	7:15	6:15	5:15

KDKA (309.1m-970kc) Health talk.

WCAU (277.6m-1080kc) Chiropractic talk.

9	8	7	6

KYW (535.4m-560kc) "Twenty Minutes of Good Reading," Rev. C. J. Pernin.

WCCO (416.4m-720kc) Health talk.

WLWL (288.3m-1040kc) Talk, books.

WMAQ (447.5m-670kc) "What We Hear in Music," Mr. and Mrs. Oberndorfer.

9:15	8:15	7:15	6:15

KNX (336.9m-890kc) Travel talk.

9:45	8:45	7:45	6:45

WSOE (246m-1220kc) Book chat, M. S. Dudgeon.

KHJ (405.2m-740kc) History story.

WMAQ (447.5m-670kc) Lecture, University of Chicago.

10:15	9:15	8:15	7:15

WLWL (288.3m-1040kc) "Religion and Science," Rev. John M. Cooper.

KOAC (280.2m-1070kc) "Commercial and Industrial Development of Waterways and Waterpower," H. S. Rogers.

10:45	9:45	8:45	7:45

KOAC (280.2m-1070kc) "Composition of the Earth," D. C. Livingston.

WHO, Des Moines, Iowa (526m-570kc), 2:15 p. m., Jack Little; Stewart Watson, baritone; Myrtle Williams, soprano; 11-12, dance program.

WHT, Chicago, Ill. (399.8m-750kc), 12 noon, Al Carney, organist; 6 p. m., classical program; dinner organ recital, Al Carney; Grayling's string trio; Helen Rauh, pianist; Charles Hussey, basso; 6:50, Ray-O-Vac concert; 9:15, Cinderella cafe orchestra.

WJAZ, Chicago, Ill. (322.4m-930kc), 9-1 a. m., diversified and dance program.

WJJD, Mooseheart, Ill. (370.2m-810kc), 12-1 p. m., Palmer House symphonic players; trio; 2-3, organ hour, Howard L. Peterson; child artists; assembly of 1,250 children; 5:30-7, instrumental hour; Palmer House symphonic players; Jack Nelson; Victorians; 8-9, children's hour; 10-11, feature hour; Senator Harold C. Kessinger; Palmer House Victorians; 12:30 a. m., Knights of the Burning Candle.

WLIB, Chicago, Ill. (302.8m-990kc), 7:30-8 p. m., musical program; 11-1 a. m., dance music; songs, Correll and Gosden; Freda Leonard and Jewell Barnett.

WLS, Chicago, Ill. (344.6m-870kc), 6, WLS studio trio; 6:40, Ralph Emerson, organist; 7, Ford and Glenn; 7:15, "Musical Biography of Schumann," WLS trio; 7:45, Jeanette Kling; 8, H. D. Saddler production; 9, Young American artists' series; 9:30, WLS concert company; 10, Police octet; 11-2 a. m., dance program.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 9:55, chimes.

WMAZ, Macon, Ga. (261m-1150kc), 9-10 p. m., music club; 10-11, Macon Rotary club.

WMBB, Chicago, Ill. (250m-1200kc), 7-8 p. m., Trianon duo; Vella Cook, contralto; Frank Bordner, baritone; Frank Chaplin; 9-11, Trianon orchestra; Woodlawn theater orchestra; Scotty Welsh and Madison Sisters; Joe Warner, character songs; Eddie Matts and Billie Donovan; Earl Smithe, "double voiced".

WOAW, Omaha, Nebr. (526m-570kc), 6:20 p. m., Francis Potter's banjo orchestra; 6:50, Gilbert Jaffy, violinist; Nat Young, pianist; Karl Tunberg, pianist; 10:30, Nightingale orchestra.

WOK, Chicago, Ill. (217.3m-1380kc), 4:30-7 p. m., Capitol theater organ; Pat Hoster; 10-1:30 a. m., Tearney's Town Club orchestra; Carl Lorraine's Pershing Palace orchestra; Husk O'Hare's Cocoanut Grove orchestra; Capitol theater program; program.

WORD, Batavia, Ill. (275m-1090kc), 7-7:45 p. m., program; 9, recital; 11, program, W. A. Sheaffer Pen company.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., dinner concert, Jack Chapman and his orchestra; song biography, H. Bundy; Willard Johnson, accompanist; Clement Laskowski, tenor; 10-1 a. m., Jack Chapman and his Rainbo Skylarks; Dr. H. Lucille Long, woman harmonica player; Melodians, Romo Vincent, Merrill Carder; Johnny Poats, baritone; Clark's Hawaiian trio; Harold Olson, baritone; artists; 1-2, Ginger hour, Jack Chapman and Little Skylarks.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., program, Chamber of Commerce; 10:45, program, Chamber of Commerce.

WSM, Nashville, Tenn. (282.8m-1060kc), 6:30 p. m., concert, Francis Craig's orchestra; 8, program, Mrs. W. V. Clarke, soprano; 10, program, Kiwanis club.

WSUI, Iowa City, Iowa (483.6m-620kc), 12:30 p. m., piano recital, Dr. Jacob Kwalasser.

Mountain Time Stations

KOA, Denver, Colo. (322.4m-930kc), 12:15 p. m., Marjorie Nash, organist; 3:30, Mrs. Max Grimes, soprano; Mrs. Carol Stone, pianist; 6:30, Brown Palace string orchestra; 8, Scheuerman's Colorado orchestra; 8:15, Ralph Scott, baritone; KOA orchestra; sketches, Oscar W. Low; A. G. Durham, saw soloist; Welsh male chorus; Henry Zarlengo, accordionist.

KSL, Salt Lake City, Utah (299.8m-1000kc), 8 p. m., Porter Walton company; 9, Radio Hardware company.

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 5:30-6 p. m., Kenneth Morse and his orchestra; 6, nightly doings; 6:15, Seeing California; 6:30, vest pocket program; 6:45, Radiotorial period; 7-8, Spanish music hour, Felipe Delgado; 8-9, Dan L. McFarland, organist; 9-9:30, popular music; 9:30-10, Mutual Motors joke contest; 10-11, vocal program by pupils of Myra Belle Vickers.

KFOA, Seattle, Wash. (454.3m-660kc), 12:30-1:30 p. m., Chamber of Commerce program; 6-6:30, Atwater Kent Boys; 7-8:15, Sherman Clay and company program; 8:30-10, Times program; 10-11, Jackie Souder's Club Lido serenaders.

KFON, Long Beach, Calif. (232.4m-1290kc), 6-6:30 p. m., Brayton's theater organ; 6:30-7, amusement information; 7-8, program, Dalton and Hoagland; 8-9, Press-Telegram studio; 9-10, Nichols and Warriner hour; 10-12, Long Beach Elks Lodge No. 888 frolic.

KFWB, Hollywood, Calif. (252m-1190kc), 8-9 p. m., program, John Wright, The Right Tailor with Raquel Nieto, coloratura soprano in operatic numbers; Esther White, popular songs; Bill Blake, tenor; 9-10, Len Nash and his original Country Boys; 10-11, Warner Brothers' frolic.

KGO, Oakland, Calif. (361.2m-830kc), 3-4 p. m., Maybelle Morrison, violinist; Louise Killilea, soprano; Harriette Murton, contralto; Anna Lucchesi, pianist; 4-5:30, concert orchestra; 6-6:55, Knickerbocker trio.

KHJ, Los Angeles, Calif. (405.2m-740kc), 8-10 p. m., program, Western Auto Supply company.

KMTR, Hollywood, Calif. (238m-1260kc), 8-10 p. m., KMTR concert orchestra, Loren Powell, director; 10-11, Starr Piano company, studio.

KNX, Hollywood, Calif. (336.9m-890kc), 5:30 p. m., Leighton's cafeteria orchestra; 6:30-7, Atwater Kent concert orchestra; 7-8, program, Jell-X-Cell company; 8-9, KNX feature program; 9-10, Order of Optimistic Donuts; 10-11, studio program; 11-12 midnight, Cocoanut Grove dance orchestra from the Ambassador.

KOAC, Corvallis, Ore. (280.2m-1070kc), 7:20 p. m., Arthur Kirkham, tenor; 8-9, musical program.

KPO, San Francisco, Calif. (428.3m-700kc), 1:30-2 p. m., Rudy Seiger's Fairmont hotel orchestra; 6:30-7, Waldemar Lind's orchestra; 8-9, program, Aeolian string quartet; 9-10, Palace hotel dance orchestra; 10-11, Waldemar Lind's orchestra.

KTAB, Oakland, Calif. (240m-1250kc), 12-1 p. m., luncheon concert; 8-10, program.

KWSC, Pullman, Wash. (348.6m-860kc), 7:30-9 p. m., Orpheus Music club, vocal trio, Pep orchestra; Faye Erwin, vocalist; Rev. Barrett, Jessie Plaskett, pianists; classical orchestra; Danae Livesay, pianist; saxophone and mouth organ duet, Otto Johnson, Ed Chittenden.

BROADCASTER BRIEFS

(Continued from page 2)

at WOR, Newark. History of the drama, talks on scene designing, lighting and costumes, and stage makeup will make these afternoons valuable to directors of little theater groups.

* *

The new Alemite orchestra, directed by Jack Crawford, will appear shortly at WBBM, Chicago. This famous orchestra has been appearing in the East.

* *

"Sam 'n' Henry," laughable characters in WGN's Radio "comic strip," who are heard each evening at 10 o'clock Central time, have been the recipients of many gifts since they started their hilarious series of adventures, but none more appropriate than one which reached them recently. At the conclusion of one of their episodes, Sam announced to Henry that he was hungry, and the next day a fine packet of ham sandwiches reached him, the gift of some unknown listener.

* *

The famous "Sir Hobgoblin" stories for children are being brought from WEAF, New York city, to WOC, Davenport, by long distance telephone lines every Friday evening. The regular WOC Sandman story teller, L. Emery Wass, will continue with his children's stories on other evenings during the week.

* *

The demand for the Crosley Burnt Corkers has been so great that it has been decided to make this unique minstrel act a regular feature of the Tuesday evening programs. These minstrels will be held for half-an-hour beginning at 8 p. m. central time.

* *

The talks entitled "Current Topics," given from WOR Monday evenings, are broadcast by a man well qualified to condense the world's news, H. V. Kaltenborn, associate editor of the Brooklyn Daily Eagle. Mr. Kaltenborn is a linguist of unusual skill and is equally at home speaking French, German or Spanish. When he served his paper as special observer in Europe before and after the

* *

The Coal Miners trio, recently added as a feature of the Monday evening programs of WEAF, will be heard again in a typical program of diversity and novelty emphasizing the vocalization of popular songs. Two of the members of this trio, Frank Bessenger and Frank Wright, are popularly known as "The Radio Franks" and have been heard often at WEAF

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A "Step" On the Air

THE PRESENTATION of the especially written story, "A Step On the Stairs," as a weekly serial Radio play, concurrent with its appearance as a serial mystery story exclusively in Radio Digest, marks a new step in the development of broadcast entertainment. Fifteen of the country's leading broadcasting stations from coast to coast are giving their listeners the broadcast dramatization.

This project enables Radio receiver owners not only to listen to a play prepared by a recognized Radio playwright from a story written especially for Radio dramatization by a famous author who understands the problems of the broadcast play, but to read that author's story simultaneous with or just previous to its performance over the air.

By this ingenious device listeners are able to visualize to perfection the action taking place in the various episodes of the serial Radio play. And, unlike many motion picture scenarios, written from magazine stories or novels, which are often difficult for the motion picture audience to even remotely associate with the original stories or novels, the Radario of "A step On the Stairs" will follow very closely the installments as they appear in Radio Digest.

We are quite sure our readers will appreciate this excellent effort of Robert J. Casey, the author, and will also thank Fred Smith, in whose hands the Radio dramatization is placed, for his good work. Radio Digest hopes, by this initial project, to make popular a new form of broadcast entertainment, and begs that this publication receive comments from listeners and readers who read and tune in "A Step On the Stairs."

Better DX Is Assured

DURING the last part of January and the first few weeks of February, Radio reception has suffered from a "magnetic blanket," as it has been termed by the bureau of standards. We all know that distance, or DX, reception has been very poor for about a month. We are glad to know, however, that the "blanket" has lifted.

As mysteriously as when the "blanket" first made its appearance, nature has removed this atmospheric phenomenon. No one knows whence it came. No one knows whither it has gone.

The bureau of standards' experts report that similar magnetic blankets have occurred before. The government scientists are attempting to learn exactly of what the phenomenon consists, and to prescribe a remedy if such is possible. Little progress was made during the last occasion, but it is hoped that before another "blanket" makes itself felt, more will be known about the cause.

With the cause of such extraordinarily poor reception removed, listeners may count on excellent Radio weather during March and April.

Telephone Is Fifty Years Old

JUST fifty years ago, on March 10, 1876, Alexander Graham Bell had his first successful telephone conversation. He was speaking to his laboratory assistant. The technical aide reported that he understood perfectly what had been said.

Just fifty years ago!

In that brief span of years the telephone has become an essential part of modern business and society. Imagine doing without it.

Remember—this remarkable fifty-year transition has turned a slow-moving, letter-writing, message-sending world, into one in which snap judgments, instant cross-continent conversations and hurry are the order of the day.

What is more wonderful, the Radio telephone has been perfected to its present state in practically the last eleven years. With Radio telegraphy and the wire telephone invented and developed almost together, it was the work of Lee De Forest which made possible the combination of the two—and gave Radio telephony.

Let all loyal Radio listeners pause for a moment on March 10 in honor of the invention of Alexander Graham Bell.

RADIO INDI-GEST

The Spirit of the Radio

Four walls encompass me about
My door is locked within;
I vainly try to shut without
The world's dischordant din.

But silence presses.
One can't long endure
The murmur of insistent longings
That surge within, thronging
With human stresses.

The dial—Eagerly I reach it;
Turn it. A lilting song
Comes to my ears. A bird-like flute.
Gone are my fears of that silence
That has made men mad.

Music fills my room making it an enchanted place
Of Sun-lit gardens, fragrant with June roses
And vibrant with the soft murmur of the honey-bee
As it flits busily through sweet-scented space.

Again, a haunting melody fashions anew
My vagrant fancy and I wander 'neath dripping trees,
While rain-washed fronds of tender ferns
Make lush my heart with ecstasies.

Walls may encompass me about,
And one may lock one's soul;
But walls, nor locks, can't keep without
The Spirit of the Radio.

GENE BROWN

No Can Do. Hari Kari More Better

Hon. Indi-Gest: You make column by week 10 sens, which read good. Soonly I buy big set, many tube, cost plenty. Hear nice talk-talk. Make Jap boy feel good, feel thanks. Some tell whoziz. That fine. Some play-play—talk-talk—never tell what place. What suchly make by thus? Seemly got sense, No?

Hon. Indi you say get DX. That good too, but many time get only one DF. In Jap land those fool get head cut off. Why no here? I ASKU

Did You Use Spaghetti Coil?

Deer Meester In Da Chest: Lassa wik I tuna a staizion wat sounda lik mi Italia. De maka da select O Sol Mio ana Sos Ole Man. Tha bambino watta singa dis song sounda just lika mi leetle Rosee wat liv in Milano. Mi broter Tone he sitta besida me wile I tun de Radjo ana he can verificaze dis announcere say WOP. Kinlie in futurish In Da Chest letta mi no if thees realla wuz WOP. I finem betweena da hors tenna tirty ana tenna forta fi. Hava yur peeple sen me certificat of verifacaze so can hang em up in parlo. So can sho freens dat donna beleeve I got. Mucha blige. RADJO JO

Speak Up, Chile

I'se got a kick a-comin, udders say I'se right;
I gits so awful mad, I jus a-wants to fight.
I tunes in a stashun, I hears a good ol' song;
De name uv de stashun, I hopes to hear fo' long.
De song am dun over, de banjo, it now play;
De name of de stashun I ain't a-heard him say.
But gee, dey starts a-playin annuder tune I hear
De man wot call de stashun dun a-sleep in his chair.
Guess he think it funny ter hold us in suspense,
Or maybe he is thinkin his voice will give offense.
I hopes de guy will listen to dis plea from all,
An when the musick stops, give us de stashun call.

ZED

Without a Leak

THIS WEEK'S NOMINATION FOR MEMBERSHIP IN THE "FAMOUS FANS" CLUB IS NOAH, BECAUSE HIS "ARK" COULD HANDLE ANY WAVE LENGTH.

Hurrah! Hurrah! Gonna Have a Band

Fairice, Alaska.

Editor Indi-Gest: I would have written this letter with a fountain pen but as the ink is froze I will half to use a pencil. I want to let you know that the Third Trombone Plair has not got a thing on me when it comes to using a musikal instrewment. I sling a wicked Kittle Drum myself. The last time I played was before the king of Siam and he said that he never wanted to here any other Kittle Drum as long as he lived. Last night while nine Eskimos were listening to WJAX the annownser got so het up telling abowt the wether down there that the Eskimos got all up a swet and took cold with newmonya. Always as ever,

KITTLE DRUMMER

Some Say He Is Ambitious

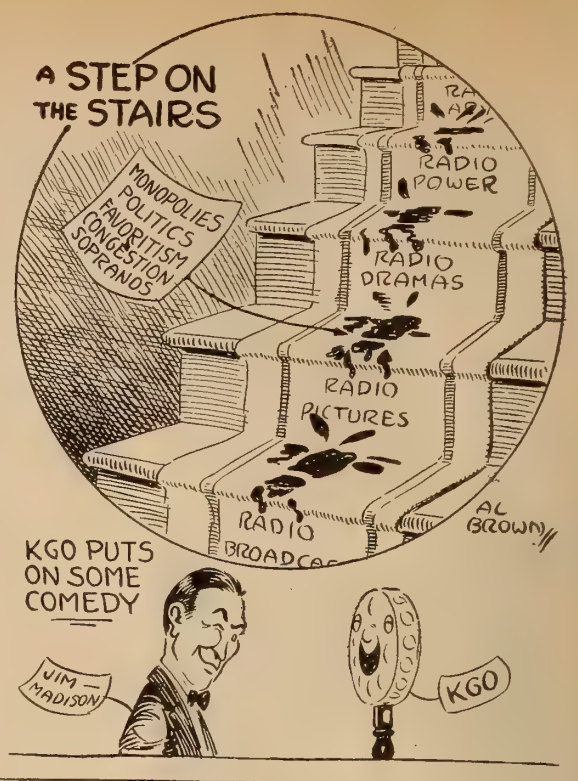
Dear Indi: Fame will come to the great. I just couldn't help it. Now I can no longer be a quiet, unobtrusive soul; nor can the things that please the common people be publicly accepted as entertaining to me. Did you see where the winner of the prize Radio drama contest sponsored by WLS called his play. "The Night Herd?" It isn't about me, but a lot of my ardent admirers will go on thinking it is just the same.

THE NIGHT HERD

Looking Ahead

In a Near Issue We Will Explain Our Call Router. A microphone placed in the Union depot picks up the spiel of the train caller and the Call Router broadcasts it so that the names of the different cities will go out and tag on the end of programs from those cities. In this way it will be impossible for announcers to keep their identity a secret.

The Mystery Is Solved



Condensed

BY DIELECTRIC

Sopranos are redeemed for Radio—at least if they can charm as did Miss Marion Talley, whose debut as a 19-year-old grand opera star at the Metropolitan, New York, was followed two days later by a Radio debut on the Victor hour of music over WJZ. Miss Talley is an American product and the proud daughter of Kansas City. Her success on the air was even more marvelous than her success before the critical Knickerbocker audience. She sang first "Caro Nome" from "Rigoletto," the aria which brought her twenty curtain calls in the old Metropolitan. There were three other numbers. Her whole range of tone to the highest trills was pure, sweet and practically faultless. Radio fans on all sides have concurred with the critics in praising the achievement of this slip of a girl. Much credit, however, is due to the engineers at WJZ for the excellent control and modulation. It may be the operators, after all, will find the real ultimate redemption of the sopranos for Radio.

One attribute every musical entertainer should develop is variation. Variation in phrasing, tempo (tempo rubato), tone coloring and character of song, each of these is essential to maintaining interest. While listening to a male quartet singing before the mike in the studio of WWJ, Detroit, one or more of these "essentials" were absent. The voices were good individually and the quartet harmonized, yet they became rather tiresome for the sole reason that this variation was not in evidence.

To us provincials who have never been outside our native hamlet, a travelogue bears much of interest. It helps us to know what folks do and what their buildings and streets look like without spending cold cash to see first hand these distant lands. I'm all in favor of the travel talks as given from a number of our broadcasters, though some tour leaders are more entertaining and informing than others—naturally. Where the music accompanying these travelogues is taken from native compositions, it no doubt creates something of an atmosphere. WOC, Davenport, presented a very interesting travelogue a short time ago.

If you suffer an overdose of heavy features from any of the broadcasters just turn to WSBC, the World Battery station, Chicago, and let them give you an evening of lively fun. Andy sang the other night. I don't know the gentleman's last name, unless its Caruso. He had a wonderful time of it, so much so that it became infectious among his auditors.

Did you ever notice how the balmy air of southern climes tends to incite to slow, dreamy dance melodies? The other night I moved about from station to station while dance music was flourishing to see how they differed, if at all. While remaining among the northern stations most of the numbers were moving along at a fair rate of speed, but as the southern stations came in, particularly WMBF, Miami Beach, the effect noted above was apparent.

Probably the only way in which we Americans can listen to the broadcasting of foreign stations, at least for some time to come, is by the aid of our own powerful broadcasting stations picking up the signals and rebroadcasting them. The main drawback to those attempts made in the past has been lack of advance notice. We never knew when to expect such a feature. The other night, while tuned to Station WJZ, New York, the announcement suddenly came through the air that we would be permitted to listen to a rebroadcast from England.

ABC Radio Fundamentals for Everybody

Chapter IX—Radio Receiving Circuits

By Milo Gurney

RADIO receivers, if one is to believe the tons of type describing them, consist of some hundreds of circuits—yet, if you prefer to believe me, I can assure you that the entire number which I have seen described, are possible of duplication through using the fundamentals of some six circuits.

Putting a wire here which was there, does not constitute a new circuit nor does it employ a new principle. I only desire to caution the purchaser of a Radio receiver to lend an attentive ear to him who

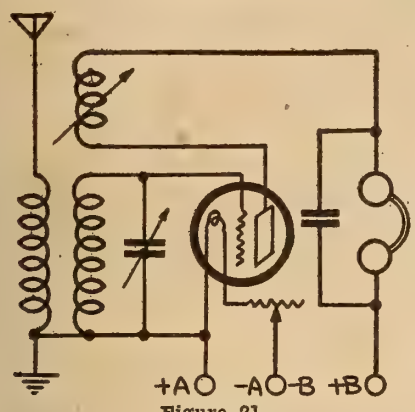


Figure 21

points out new refinements, rather than to him who insists that the receiver employs a new circuit.

Possibly the most efficient Radio circuit, tube for tube, is that known as the regenerative. It also easily steps into first place as the most persistent squealing offender, to make the night air homelike for the screech owl. In fairness, it should be stated that, when handled or tuned by one who understands its viciousness, it will not bother anyone. The great fault lies in the public's determination not to be taught how to tune and lack of consideration for neighbors. One perfectly good oscillating regenerative receiver can

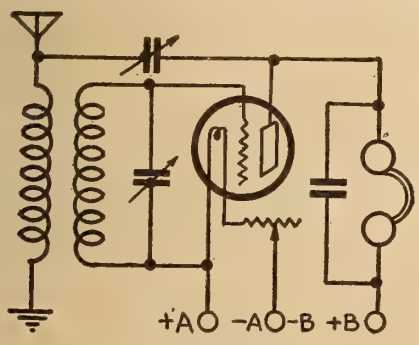


Figure 22

spoil reception for more neighbors per square mile, when improperly handled, than a flock of others which I might mention, yet to omit the description of one or two types of powerful distance getting regenerative receivers from this series would be unfair to its completeness.

Value Not Increased

In order to better understand what is meant by regeneration, as intentionally applied to a receiving circuit, please recall, if you will, my earlier explanation

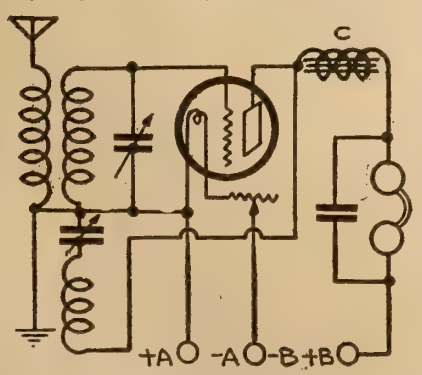


Figure 23

as to how a vacuum tube functioned. In a simple vacuum tube detector circuit, only the audio frequency pulsations of the space charge were made to actuate the head telephones or loud speaker, entirely eliminating the use of the radio frequency pulsations. In a regenerative receiver, advantage is taken of the radio frequency current, through feeding it back from the plate circuit onto the grid or input circuit. This, in effect, reinforces or strengthens the incoming signal which is applied upon the grid, and in a most practical though perhaps little understood manner. In reality, it cannot increase the received signal which reaches the tube, as such signal is of a definite value and unchangeable after reaching the detector. You who are of Radio experience read very carefully from here on. Whatever the original value of the signal impressed upon the secondary of the detector, it cannot be increased except in one manner or method, and that is through lowering the resistance of such secondary. Ohms law steps in and says "No," and the Noes have it. Therefore, the effect of regeneration does not in any manner increase the value placed upon the secondary, as many writers have contended, but does tend to lower the resistance of the secondary in order that the full value of the impressed voltage may reach the grid.

This point is well worth remembering, because it is maddening to hear and read so often that regeneration is but additive; and the answer is, or rather the question is, "additive to what?"

Three Ways of Feeding Back

This feeding back may be accomplished in several ways, all using but two principles, which are capacitive or inductive feed back, or their combination.

Figure 21 indicates a standard regenerative receiving circuit using the tickler or inductive method of regeneration. Figure 22 shows a like circuit using capacitive feed back, while figure 23 pictures a combination of the two. Of the three methods shown, the writer is of the opinion that figure 23 represents not only the most efficient method to employ, but also the one which permits of the greatest flexibility and fineness of control.

To those of you who have built either the tickler feed back circuit, or the combination capacity and tickler circuit, a word of advice may be of material help. This covers the construction of the tickler coil, which in no case should exceed one-half the diameter of the secondary. By this I mean that if your secondary is wound upon a three-inch form, then the tickler should be wound upon a one and one-half inch form. Put this hunch in your mental note book. It's well worth remembering.

The circuit shown in figure 23 and which I favor above all is the result of the work of one of Radio's most prolific inventors, Mr. Roy Weagant, and was introduced some years ago under the name of the Weagant X circuit. Properly constructed, it has the advantage of not changing the tuning of the secondary as the tickler is rotated, while the variation of its capacity element offers absolute control of regeneration over the total wave length range. The coil shown at "C" in the drawing, in no way affects the operation of the circuit but is a most desirable method to employ for the keeping out of the radio frequency currents from the telephone circuit.

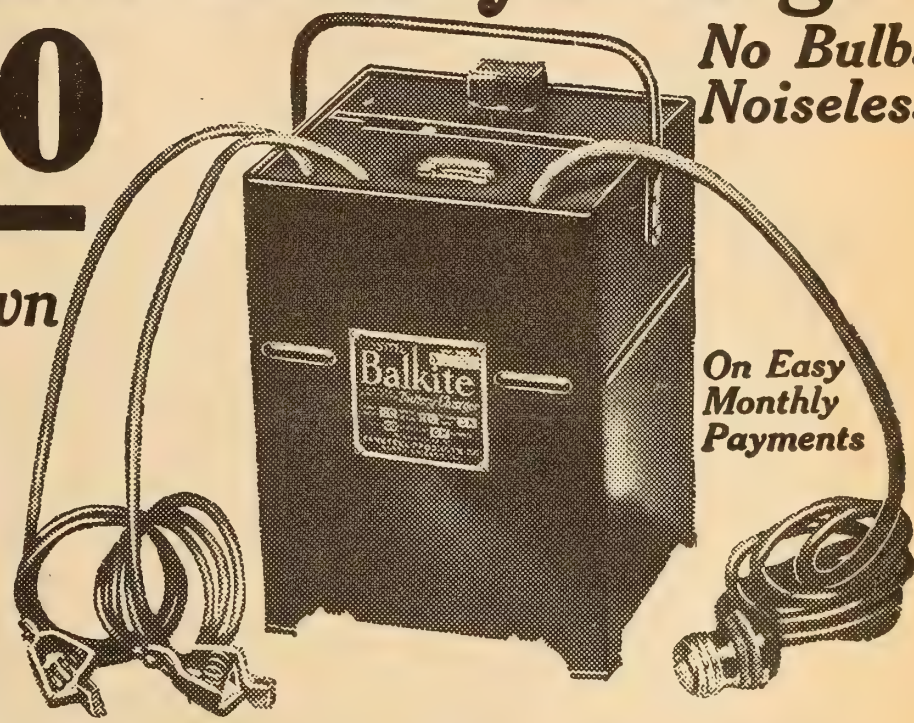
It is of unusual interest to those who are becoming enthusiastic over the possibilities of reception at extremely short waves, of the order from 40 to 130 meters, that the Weagant circuit is favored by most constructors in this field. In fact, Radio Digest in its present series of "How to build" articles, covering short

(Continued on page 24)

Genuine Fansteel Balkite Battery Charger

Only $1.00 Down

No Bulbs Noiseless



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Radio Fans! Auto Owners, too! You may now own a Genuine Fansteel Balkite Battery Charger on a most amazing, easy payment offer. The famous Balkite is acknowledged the most efficient, the most fool-proof and trouble proof storage battery charger on the market. No tubes, no bulbs and no noise. Will charge your battery while using your radio. To get the most efficiency and greatest enjoyment out of your radio, you need the Balkite Battery Charger in your home. And, on this offer, we'll send it to you for only $1.00 with the coupon on

30 Days Trial

The Balkite comes to you completely wired, ready to attach to your light socket and battery. No extras to buy. Use it whenever necessary for 30 days. See how much it adds to the convenience and enjoyment of your radio. See how much it *saves* in battery charging cost. See how simple and easy to use. After 30 days trial, if you're not convinced that you *need* the Balkite Battery Charger, send it back at our expense and we'll refund your $1 plus transportation charges.

$2.50 a Month

If you decide to keep the charger, start making the small payments of only $2.50 a month until you've paid the total price of only $19.50. That's the price others ask for spot cash. We give you the lowest cash price on easy monthly payments you'll never feel. The money you save in charging your battery at home will almost take care of the payments on this offer.

For Radio and Automobile Batteries

The Balkite Battery Charger is based on a new principle, the use of "Balkite" a rare metal developed for this purpose. It will charge the ordinary 6 volt radio "A" battery or automobile battery from 110-120 AC, 60-cycle current. It will also charge radio "B" batteries of the lead type without added attachments in multiples of 6 cells.

No Bulbs—Noiseless The "Balkite" metal changes the AC current, commonly used for lighting, to the DC current necessary for charging batteries, without the use of fragile bulbs or vibrators. This makes operation practically devoid of any disturbing hum or noise of any sort.

Easy to Operate The Balkite delivers a taper charge and cannot damage the battery by overcharging. Cannot discharge or short circuit the battery. It will charge even a completely discharged battery. It cannot fail to operate when properly connected to the battery and line current. Is unaffected by temperature or fluctuations in the line current. It is simple, efficient and indestructible. Has no contact points, bulbs, vibrators or moving parts. Cannot deteriorate through use or disuse. Requires no attention other than filling with distilled water. Has nothing to adjust, break or get out of order.

Operates While Using Radio The Balkite can be used while the radio set is in use without affecting the set or its operation and without disturbing noises. Its operation does not create disturbances either in your set or your neighbor's.

Charger comes completely wired, ready to attach to your electric light socket and battery. No extras to buy—no fuss, no delay. Measures 8 inches high, 6 inches wide, 6½ inches deep. Shipping weight about 22 lbs.

Order by No. Y8306NA, $1.00 with coupon; $2.50 a month; total price, $19.50

Send Coupon NOW

Don't miss this opportunity to get the famous Balkite Battery Charger at the rock bottom cash price on small monthly payments. Send only $1.00 with the coupon now, while this offer lasts. No risk. No obligation; 30 days' trial, then decide. And you are always protected with Straus and Schram's money-back guarantee of satisfaction. Send now.

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Enclosed find $1.00. Ship special advertised Balkite Battery Charger. I am to have 30 days free trial. If I keep the charger, I will pay you $2.50 monthly If not satisfied, I am to return the charger within 30 days and you are to refund my money and any express charges I paid.

Balkite Battery Charger, No. Y8306NA, $19.50.

*Name*_____

*Street, R.F.D. or Box No.*_____

*Shipping Point*_____

*Post Office*_____ *State*_____

ABC'S OF RADIO SETS

(Continued from page 23)

wave receivers, uses this circuit, modified only in the value of the inductances and capacities used.

In succeeding articles, each type of receiving circuit, not excepting the super-heterodyne, will be discussed and explained. However, in concluding this article, it seems essential that I again repeat my oft-written statement that, "Regeneration cannot precede, but must always follow amplification."

All Sets Regenerate

It must follow this formula and no other. If you accept this contention, which can be supported by positive proof, it is then but obvious that all Radio receivers, irrespective of type, style, name, make or kind which use vacuum tubes capable of oscillating are regenerative. They of necessity must be, and it is absolutely impossible to construct a Radio receiver which does not, or is not capable of regenerating, so long as the tube can oscillate.

This statement is made with force, because many believe that their particular receiver does not regenerate. But, in truth, those which do not—just hain't made. Devices are available and receivers are constructed which reduce such interference to a point where, with careful tuning, little disturbance is caused. Again, the market is now offering receivers which practically block such oscillations from reaching the antenna, but they are few and far between, as is evidenced by those who listened for Europe recently.

Each of you should learn how to tune properly, so that your receivers will not break into oscillation. I made a careful count of squealers during the recent transatlantic tests—or whistle competition, but gave up in disgust after counting to a million.

Verily, verily, I say unto you, "Please learn 'How to Tune.'"

(In the next issue Milo Gurney takes the reader into a discussion of radio frequency amplification, both tuned and untuned. The untuned variety came first, was displaced by tuned radio frequency and now we have them separately and in combination.—Editor's Note.)

HILL BILLIES AT WRC

(Continued from page 5)

Last summer the gang picked up another Hill Billy who has greatly increased the prestige and power of this combination orchestra-choral society. Charles Bowman, known all over the South as "Fox-Hunt Charlie," happened to hit Mountain City, Tenn., for a fiddlin' contest, at the same time the Hill Billy bunch struck town. Charlie lives in a log cabin back in the hills, ten miles from Mountain City, and he just came down to town for the purpose of snatching a few loose prizes in the exhibitions of old-time fiddlers. The Hill Billies grabbed him at the first showing, and he grabbed the Hill Billies. They all talked the same language, played the same tunes, and no rehearsals were needed to break in the new trouper. Charlie plays any ding-busted stringed instrument that is or can be, with the possible exception of an Irish harp, which hasn't sufficient volume to interest him. He does mean things with a banjo; a guitar is more easy meal to his grist, while the fiddle—he actually makes a fiddle sit up and bark. His piece de resistance, from which his nick-name is derived, consists in imitation of two houn' dogs chasing a red fox through the Tennessee hills. Charlie also fiddles his way through a barnyard selection, introducing the cacklings of the fowl, from turkey gobbler to bantam hen.

When they aren't on the road, the Hill Billies melt into the ordinary industrial lives of their communities like the snows in spring. Albert and Joe Hopkins are salesmen; John and Elmer are first-class mechanics. Alderman is a motion picture camera man. Bowman paints barns and houses or what-have-you. All of them are highly intelligent, excellent appearing young men.

They can pull the innards from an automobile, build a Radio set, or grace a drawing room. They can sing a negro spiritual to suit the longest-faced deacon, or they can turn it into a "can't-keep-still-your-foot" country dance. They can wield a double-bit ax or pick a pianissimo. Al rumbles a deep bass lead in "Get Away, Jordan," and jumps to a Tyrolean yodel in "Sleep, Baby, Sleep." If John gets tired of singing baritone in the quartet he just grabs Elmer's second tenor part, and Elmer can shift to baritone or get out of the race. Bowman and Alexander present a stunt in which each bows the other's fiddle and fingers his own.

Some evil day one of the boys is going to pick up a loose saxophone, take ten or fifteen minutes to learn to play it, and the party will be ruined. Heaven postpone that day, for when the sax supplants the mouth harp and the trap drummer drowns the banjo (one string at a time, if you please) America will lose an organization that represents all that is best in the music of its hills—the real simon-pure "leider" of our country.

EXOTIC CHARM OF PWX

(Continued from page 4)

development of Cuba, by arousing greater interest in the island abroad, and by educating other parts of the world in the cultural and economic progress of that corner of Spanish-America. A telephone company represents national progress, and should contribute whatever it can toward that end. The commercial welfare of any community is important to the telephone system serving it.

Another result of the broadcasting of PWX is to familiarize the audiences with personal communication over long distances even into foreign lands. It stimulates the imagination of the public to contemplate the many possibilities that lie in the science of projecting the human voice through vast space and over long stretches of wire. Thousands of miles mean little today in the art of conversing between persons. It helps to drive home the fact that the telephone, in its present state of development, is capable of reproducing the most delicate tones and inflections of the voice, be it a wired or wireless telephone, and that it can serve as the Magic Carpet in bringing a person across seas and continents to the side of those who would talk with him.

But, primarily, PWX was established because of the desire to investigate and study this new means of voice transmission without the aid of wires, and to learn what its usefulness might be in the art of telephonic communication. It has possibilities for usefulness where it is not economical or practical to string wires or submarine cables, and for maintaining communication between moving stations. In the study of this problem, PWX has been useful not only to the company owning it, but to the science as a whole.

PWX has played a part in several notable feats of Radio and telephony. At one end of a telephone circuit more than 5,000 miles long, the station participated in the world's first demonstration of a transcontinental conversation being broadcast by Radio so that persons all over North America might hear the words passing over the copper wires that stretch from Havana, below the tips of Florida to San Francisco, California. General J. J. Carty, vice-president of the American Telephone and Telegraph company, from the banquet hall of a Chicago hotel on February 8, 1924, called the roll of twenty cities along the circuit from Havana to the Pacific coast, and as each city answered on the telephone circuit, the response was heard not only by the banqueters but also by the millions who were tuned in to any one of seven Radio stations, along the route, connected with the telephone line. F. T. Caldwell, chief engineer of the Cuban Telephone company and Henry G. Bates, general commercial manager of the Pacific Telephone and Telegraph company, held a conversation from Havana to San Francisco, and musical selections were exchanged between the two cities separated by the United States while PWX and the other Radio stations let Cuba and America listen in.

When President Machado of Cuba visited New York in April, 1925, at the time he was president-elect, he was banqueted at the Hotel Astor by American business men. In order that his countrymen might hear his speech and the reception accorded him in America, a telephone circuit linked the banquet hall with PWX at Havana. Every word of the president-elect's speech and the thunderous applause accorded it could be heard by the Radio audience in Cuba. Station WOR of Newark also sent the president's remarks out on the air for Americans. Many letters of appreciation and thanks were written by Cubans to PWX for that evening's broadcasting of a New York banquet address.

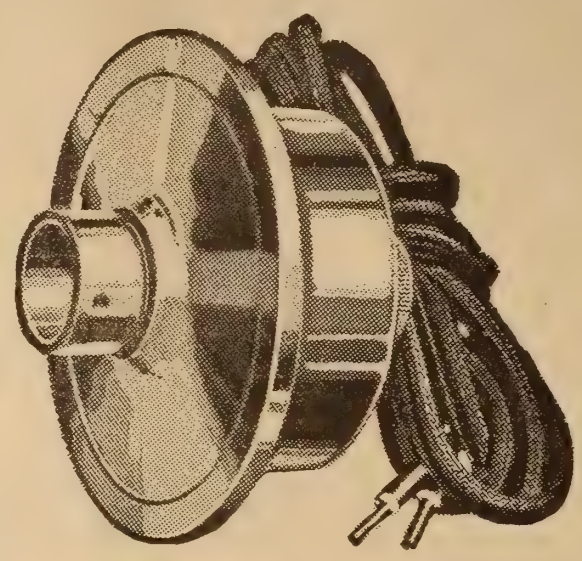
Spaniards everywhere celebrate the birthday of His Majesty King Alfonso of Spain. Each year the Spanish Casino in Havana is the scene of such a jubilee. The Radio fans of Cuba and North, Central and South America are able to share in the birthday party through PWX, connected with the Casino by underground cables. The homes of Spaniards in a dozen nations have been added to the Casino party this way, so that they joined the audience hearing the music and speeches of the Spanish colony in the Cuban capital.

That the broadcasting and cooperation of PWX is appreciated by the Cuban government has been shown many times by official correspondence between the presidential palace and the Cuban Telephone company. One instance occurred sometime ago when a general strike tied up business in Havana. The president of the Republic issued a manifesto on the subject to the people of the nation. In order to give it quick and wide circulation, the Cuban Telephone company broadcast the proclamation from PWX.

The full amplifying efficiency of the tubes is never realized in a reflex circuit.

Big Price Reduction

FULTONE LOUD SPEAKER FOR YOUR PHONOGRAPH



Fits Any Make Now Only $3.00

Fultone
Trade Mark
LOUD SPEAKER UNIT
$3.00

The unit will be shipped on a satisfaction or money back basis on receipt of price in money order or currency.

This unit is the secret behind the unparalleled success of Fultone Speaker. Its large diaphragm and bobbins of fine wire are protected from injury by a heavy nickel-plated case through the back of which adjustment is made by means of a special key. The pole pieces are not made from a solid piece of iron but are assembled from 15 laminations of carefully chosen steel.

Use on Your Phonograph

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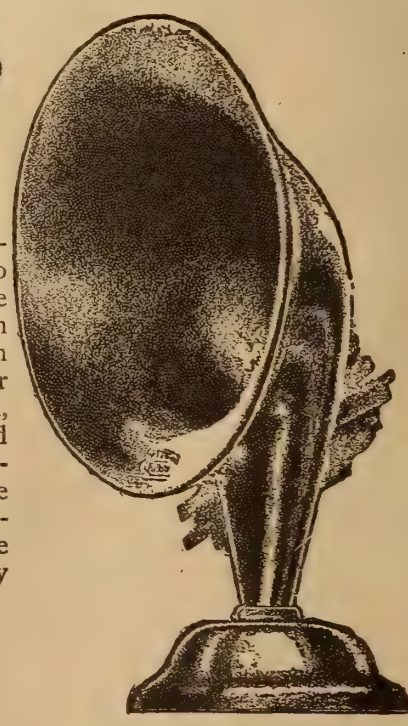
THE FORD of LOUD SPEAKERS
$6.50



Fultone Loud Speaker has conclusively proven to the radio world that a reproducer could be made and sold at $6.50 which would handle music or speech in volume as perfectly as any speaker at any price. The horn is solid, non-ringing and wide-throated enough to handle the powerful reproduction from super-heterodyne or reflex. The adjustable diaphragm permits matching Fultone to any receiver and "B" battery voltage.

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Enclosed is $..... for which ship me ( ) Fultone Speaker

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CITY AND STATE.....

How to Stop Blooping and Man-Made Static

Part IV—Construction of the Penetrola

By the Technical Staff

IT WAS promised in earlier chapters of this series that the construction of a unit to be placed between the antenna and the set for the prevention of blooping would be given. Now this unit is unusual in that, in addition to preventing your radiation, it will reward you for its installation with increased selectivity, range and volume. There has long been a demand for such a unit and many have appeared on the market from time to time but none of them completely and satisfactorily solved the problem. In many cases, the use of such devices necessitated changes in the original receiver; in others, they merely added to the present difficulties in operating the receiver because they made it unstable.

Can Be Used on Any Set

Penetrola is built around the Isofarad circuit which is one of the balanced bridge arrangements shown last summer by Milo Gurney in his series on radio frequency improvements. It is made in such a way that is can be used with any receiver; non-regenerative, regenerative, tuned radio frequency, neutrodyne or super-heterodyne. It will increase the selectivity of any receiver and make it possible to tune in distant stations loudly and clearly in spite of local interference. It will stabilize a set and make a ticklish one easier to handle. It is presented in this series, however, because it acts as a uni-directional or one-way repeater, allowing energy from the antenna circuit to be applied to the set proper, but not permitting energy from the circuit to be radiated in the form of squeals over a wide area.

The front view is shown here as figure 6 and the front panel measures 7 inches by 10 inches. It is the same height as your receiver panel and adds to, rather than detracts from, the set's appearance. The circuit is shown in figure 7. The input coupler consists of two special coils wound on insulating tubing with proper regard for spacing of turns and separation of primary and secondary. When a long aerial is used, it is to be connected to the tap on the primary, while, if a short antenna has been erected it goes to the end terminal of the coil. The two coils are contained in a copper can with the result that they have all the power of solenoid type coils and the non-spraying qualities of the toroid type coils.

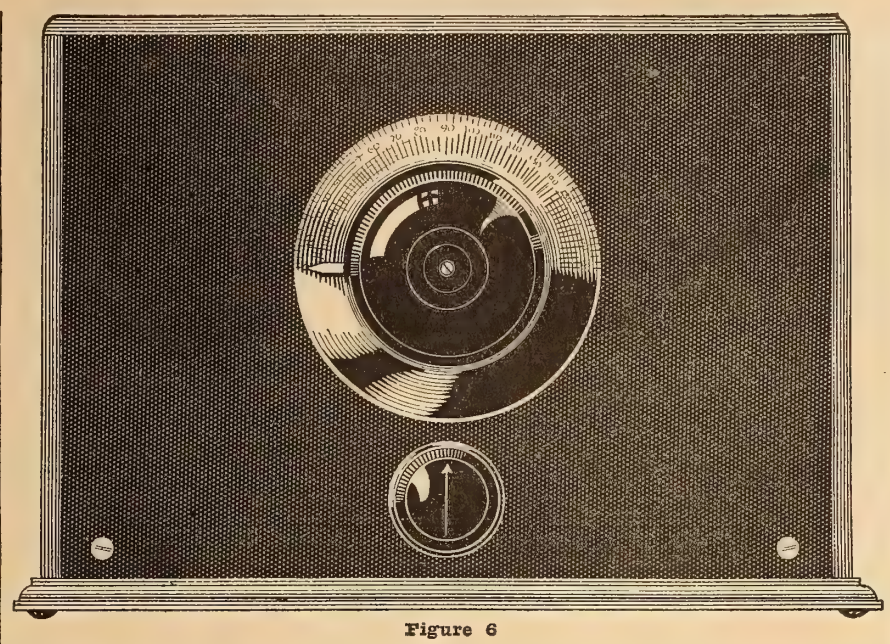


Figure 6

Gives Equal Amplification

It will be noticed that a special type of tandem condenser is used across the secondary of this input transformer. The two rotors and stators are not identical in size. One has more plates than the other. This feature gives the entire unit equal amplification over the wave length range, rather than a falling off on the upper end of the scale, as is usually the case in a stage of tuned radio frequency. Unbalancing of the circuit, once the small balancing condenser has been set on some wave length, is also prevented. The output circuit contains a tuned radio frequency choke which diverts the radio frequency energy through the condenser and to the upper output terminal rather than permit its flow through the B battery to get back to filament. That condenser at the upper output post is to keep the voltage of the B battery off the grid of the succeeding tube. Negative B connection is made automatically through the A and B battery connections to the set.

The essential parts for this unit are sold as a kit which contains the twin condenser, the canned coil, the output choke, the balancing condenser, the socket, brackets and a vernier dial. Full size drilling templates accompany this kit and it is only necessary to place the templates on the panel and sub panel, center punch with punch and hammer, and drill. You will need a ½-inch, ⅜-inch and number 18 drill; also a countersink. It is important that parts be mounted in the proper order as otherwise some parts will cover up the mounting holes for other parts. The brackets are first attached to the sub panel.

Installation of Unit

The supporting screw at rear edge is put on next, so that the underside of the sub panel is ¾-inch from lower end of screw. The socket follows, care being taken to get the terminals placed as shown. The output choke and the output blocking condenser follow. The order of assembly for the rest of the parts does not matter.

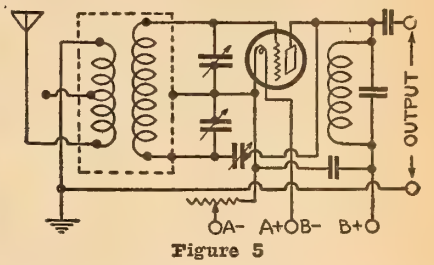
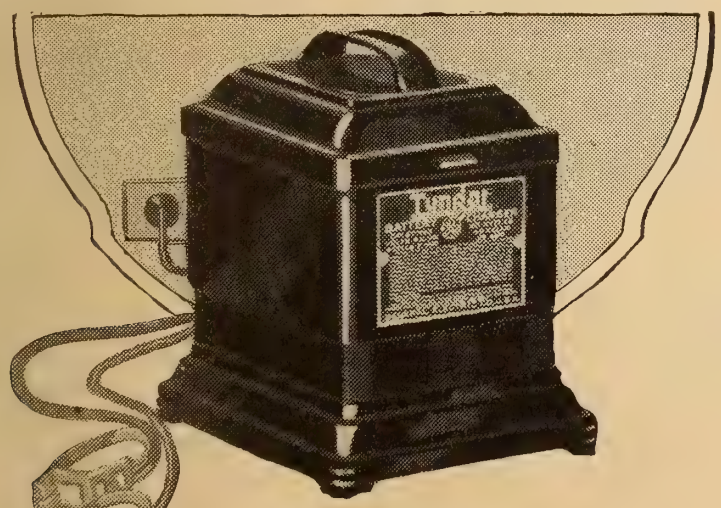


Figure 5

The wiring in picture form is shown in figure 8, which comprises a top and bottom view with wiring in place. Holes in the sub panel through which wires are run to connect terminals above the sub panel with those below have been lettered and it is easy to find the wire on either the upper or lower side.

(Continued on page 26)



With Tungar— an overnight charge for a dime!

It can't blow out Radiotrons if left hooked to set while charging.

Does not disturb radio reception in neighborhood.

It is complete—charges 2-4-6 volt "A" or 6-12 volt auto batteries, or 24-96 volt "B" batteries in series.

Especially adaptable to permanent instal'ation in cabinet with switch control.

East of Rockies)
Five ampere size $28.00
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60 cycles - 110 volts

Merchandise Department
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Two clips for your battery and a plug for your house current—that's all. And the steady, quiet Tungar charges your batteries overnight.

Just about a dime's worth of current and two minutes of work. So simple!

It's the no-fuss, easy-to-use charger—for all batteries.

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Tungar—a registered trademark—is found only on the genuine. Look for it on the name plate.

GENERAL ELECTRIC

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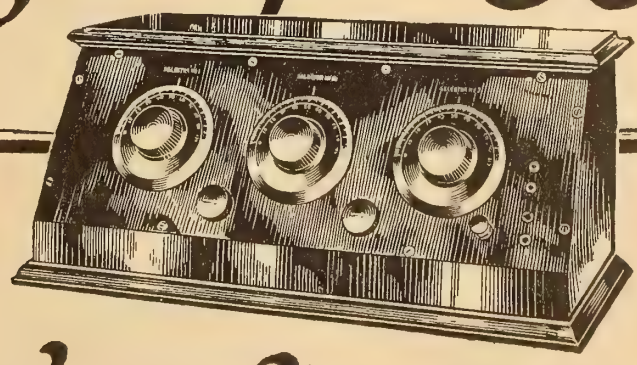
Super-five $50



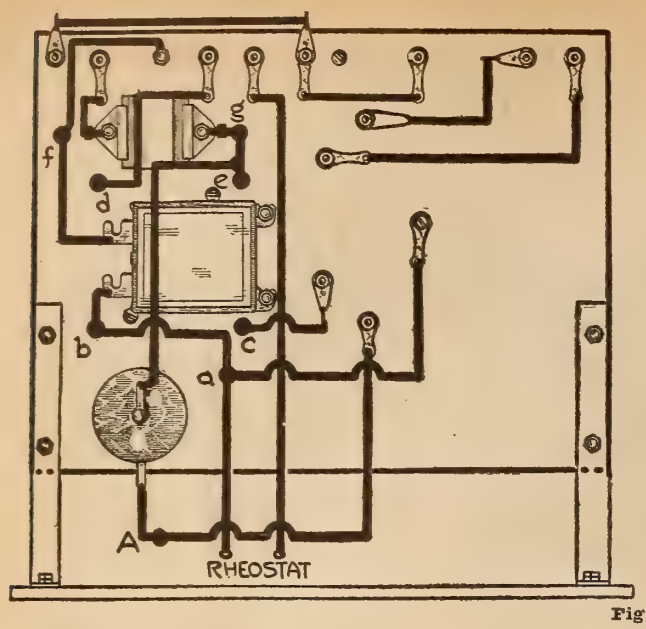
Genuine Tone Quality

THERE are no false notes in Chelsea. Regardless of price, the vivid, living tone quality of the new Super-Five is equalled by few receivers. Even sets costing two or three times as much fail to give you the clarity, naturalness and mellowness of tone that so distinguishes this remarkable set.

Hear the Chelsea Super-Five at Your Dealer's or write us for his name.

CHELSEA RADIO COMPANY
Chelsea, Mass.

Send for these Circulars



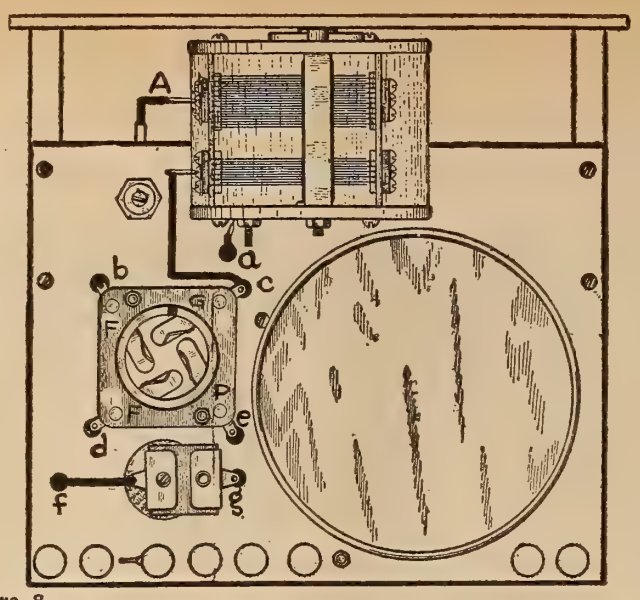


Figure 8

HELP STOP BLOOPING

(Continued from page 25)

Although no connection has been shown in figure 8, between the metal shield around the input coil and the ground, it is important that the shield and one of the A battery leads be grounded. The reason that no connection has been shown is due to the fact that in most receivers one of the A battery leads is already grounded and the shield would automatically be grounded through its connection with the negative filament lead as shown. In some receivers the negative lead is grounded while in others the positive lead is the one that is grounded, so that grounding the shield directly, in this unit, might short circuit the A battery.

Grounding Penetrola

If your set is of the type in which the A battery is already connected with the ground post in your set, the grounding of the Penetrola A battery leads will take care of itself. If, however, your circuit is of the type in which neither A battery lead is grounded to the ground post, you will have to take care of this as follows. Turn on your set so that all the tubes light up; take all the tubes out of your receiver. Attach one terminal of a voltmeter (do not use phones) to the ground terminal of the set and touch the other terminal first to the positive A battery binding post of the set and then to the negative A battery post. If there is no deflection of the needle in either direction when either of the A battery terminals are touched, then you know that neither A battery circuit is grounded. In that case, the two binding posts just to the right of the supporting screw at rear edge of sub panel are to be connected together.

If you do get a deflection in either direction, when one or the other of the A battery terminals is touched, then use the Penetrola wired as shown in figure 8, without connecting the posts mentioned.

It is a very simple matter to connect the unit with any receiver and operate the whole arrangement. The right end binding post connects to the ground binding post of your set. The next to it connects to the antenna post of set. The third post from right goes to plus 67½ or plus 90 of the B battery. The next post goes to plus A and the fifth to minus A, of your filament battery. Connect your ground to the sixth post from right and the antenna to either binding post in rear left corner. Balancing of the small condenser is carefully explained in the directions which accompany it and one cannot go wrong.

Will Prevent Blooping

There are probably many of our readers who are not inclined to the construction of apparatus and we are glad to be able to advise that the Penetrola can be purchased completely assembled and wired, ready to use, from the makers of the kit, who are located at 937 Wrightwood avenue, Chicago. **The price is $35.00 and it** can be had in either black crystalline or wood finish. Penetrola, whether home-assembled or purchased complete, is positive insurance against blooping. In closing this chapter we must advise that the Penetrola, as described here is primarily for use on those receivers designed to operate from outside aerials. If your receiver is of the loop type, this device may be adapted to use with it through the use of an antenna coupler, the primary of which will contain 6 to 10 turns and the secondary 40 to 60 turns with the correct inductance value to work with the variable condenser intended to tune the loop. As a rule this condenser is of .0005 mfd. capacity and an Uncle Sam or Ambassador tuner is suitable.

Connect the output of Penetrola to the primary and use the secondary in place of the loop. Where three terminals are provided for a tapped loop, tap at the middle of the secondary of this coupler.

(Penetrola is about the only well-known commercial device to stop blooping. Next week this series will be continued with further devices for this purpose.—Editor's Note).

LIST OF PARTS

1 Penetrola Kit of Essential Parts Walbert Mfg. Co., Chicago, Ill.	$15.00
1 Formica Panel, 7"x10"x3/16" Formica Insulation Co., Cincinnati	2.40
1 Formica Panel, 7"x9¾"x3/16" Formica Insulation Co., Cincinnati	2.00
1 Carter Imp Rheostat, 25-ohm Carter Radio Co., Chicago	1.00
8 Eby Ensign Binding Posts H. H. Eby Mfg. Co., Philadelphia	1.20
1 Cabinet, 7"x10"x9" Walbert Mfg. Co., Chicago, Ill.	4.00
1 Dubilier, type 640, .01 mfd. Cond. Dubilier Radio & Cond. Co., New York	1.00
1 Dubilier, type 656, 0.5 mfd. Cond. Dubilier Radio & Cond. Co., New York	.90

Note: Panel and sub panel may be purchased drilled from Walbert Mfg. Co., at price shown. Of the B binding posts, 2 are "Gnd," 3 are "Ant," and 1 each of "B Amp+," "A Bat+" and "A Bat—."

Enough electricity to illuminate ten 5-room homes is required, it is said, in operating a forty-foot electric sign at KOA, Denver, which represents the station's call letters. The sign itself is mounted on one of the two towers and is more than 100 feet above the ground. The letters are nearly ten feet high.

IPANA TROUBADOURS

Size Eleven by Fourteen Inches

Select Your Favorite from the Gallery of Radio Stars

1 Wendell Hall, king of ukulele ditties
2 Graham McNamee, 1925 Gold Cup announcer
3 Jack Little, popular wandering balladist
4 Paul Small, who won fame through Radio
5 Coon-Sanders' "Nighthawks" at KYW
6 George Hay, 1924 Gold Cup announcer
7 Harmony Girls, Edith Carpenter, Grace Ingram
8 Ford and Glenn, Lullaby Boys of WLS
9 "Roxy" Rothafel of WEAF chain fame
10 The Hired Hand, famous "Substitute Announcer" of WBAP
11 Britt and Finch, popular songsters
12 Bob Emery, Big Brother of WEEI
13 "Bill" W. G. Hay, ex-KFKX, now of WLIB
14 Happiness Boys, jovial singers of WEAF
15 Lambdin Kay, "Little Colonel" of WSB
16 Leo Fitzpatrick, "Merry Old Chief," WJR
17 Henry Field, 1925 Gold Cup runner-up
18 Al Carney, organ favorite at WHT
19 Aunt Jane, ladies' adviser at WOC
20 Vincent Lopez, No. 1 Pennsylvania orchestra
21 E. L. Tyson, pleasing voice at WWJ
22 S. W. Barnett, ex-WOC, now at WBAL
23 Art Gillham, "The Whispering Pianist"
24 Paul Greene, announcer at WSAI, "bridge voice"
25 Harry Ehrhart, "Dream Daddy" of WLIT
26 Correll and Gosden of "Kinky Kids Parade" fame, at WEBH and other stations
27 Norman Brokenshire, popular at WRC, WJZ
28 Indiana Male Quartet, popular at WEBH
29 Jane Novak, Blues Singer of Twin Cities, WCCO
30 Jean Sargent, the original, now at WHT
31 Ralph Emerson, popular organist at WLS
32 Edna Adams, "Sweetheart of the Air" at KPRC
33 Pat Barnes, vaudeville announcer at WHT
34 R. V. Haller of KGW Hoot Owls fame
35 Henry L. Dixon, ukulele wizard of KYW
36 Quin Ryan, WGN's Uncle Walt and sports announcer
37 "Willie the Weeper," Ernest Rogers, WSB
38 Walter Wilson, "Uncle Bob" of KYW
39 Jack Chapman of Drake hotel repute
40 Ray-o-Vac Twins, known country-wide
41 Art Linick, KYW's Mrs. Schlagenhauer
42 Fred Hamm of WTAS, now WLIB fame
43 Meyer Davis' Le Paradis orchestra of WRC
44 "Senator Schultz," WLW's illiterate comic
45 "Uncle John" Dagget of KHJ
46 D. R. P. Coats, 1925 Silver Cup announcer
47 Gene Rouse, WOAW's popular announcer
48 Freda Sanker, WKRC jazz orchestra director
49 Iris Ruth Pavey, KOA's invisible stage beauty
50 Queen Titania, star of KHJ Fairyland
51 Ipana Troubadours, on the WEAF Chain

If your favorites are not in this list, send in a request to have them included in the Gallery of Radio Stars.

Photogravures of Your Favorite Artists

GALLERY OF RADIO STARS

Suitable for Framing or Placing in Your Album

By special arrangement, Radio Digest is able to offer its readers a great opportunity to secure fine photogravures of their favorite Radio stars at practically no cost.

Radio fans will be able now, by this very special offer, to have pictures of their favorite artists and announcers before them when they listen in.

All that is necessary to secure photogravures from the Gallery of Radio Stars is to send the coupon published each week in Radio Digest, accompanied by ten cents to cover the cost of mailing and postage. Where a series of three photogravures is desired, it will only be necessary to send twenty-five cents and three consecutively numbered coupons clipped from Radio Digest. Remittance must accompany each coupon. Cash at your risk. Add 5 cents to personal checks for exchange.

WITH COUPONS Only 10c Each—3 for 25c For cost of mailing and postage

COUPON NO. 11

This coupon entitles the holder to one photogravure selected from the Radio Digest Gallery of Radio Stars when accompanied by ten cents to pay the cost of mailing and postage.

Three consecutively numbered coupons entitle the holder to three photogravures when accompanied by 25 cents. Remittance must accompany the coupon. Cash at your risk. Add 5 cents to personal checks for exchange.

Order by Number.....

RADIO DIGEST PUBLISHING CO.
510 N. Dearborn St., Chicago

Two-Tube Short Wave 15-130 Meter Receiver

Part IV—Adjusting and Operating

By John G. Ryan

IN ALL probability the experienced set builders following this series of articles now have this receiver all hooked up and working more or less efficiently, but since many will also tackle it who are not so advanced, the connections will be gone over quickly and the adjustment will then be taken up.

First of all, you have probably noticed that no antenna and ground posts were provided on the sub base. These were deemed unnecessary as they are provided on the coil mounting at the right end, and the lead-in and ground can be brought in directly, through holes at the rear of the cabinet, to these posts. As to the batteries, those for lighting the filaments will depend upon the tubes used. If 201-A type tubes with either UV or UX bases are your choice, a six volt storage battery serves, while, if UX-199 type tubes are used, three dry cells or a Philco four volt storage battery will do. In either case, connect the negative terminal to the binding post at the left end and the plus terminal to the second post from the left.

Two B batteries of 45 volts each are needed and these may be either medium or large in size since only two tubes are drawing current. The negative of one is connected to the second post from the left, or the plus post on the filament battery, and the plus of that same B unit is connected to the negative of the other and also to the third binding post on the set. This leaves the plus of the second B unit which is to be connected to the fourth binding post.

Can Use Switching Arrangement

If it is desired to operate this set from the same batteries used for your broadcast range receiver, some sort of six pole double throw switching arrangement must be used to throw the four battery leads and the antenna and ground to one set or the other. This can be either one switch, two triple pole D. T. switches or three double pole D. T. switches such as Carter or Yaxley jack switches. It is not a good plan to leave these wires connected to both sets and merely turn on the filament switch of one or the other. The six wires mentioned above would go to center lugs while there would be six short leads going to right to the broadcast set, with six other short leads going to the left to the short wave set.

In the original list of parts included with Part I, an Amperite 1-A was listed, on the presumption that 201-A tubes would be used. If the UX-199 tubes are to be operated this Amperite should be 4V-199. The Bradleystat is universal in its uses and is suitable for any tubes. For those to whom the insertion of the C battery, as described last week, may not have been clear, figure 9 is presented with this chapter with the exact placing of this battery and the flexible wires leading to it, clearly shown. No directions on the insertion of the radio frequency choke were given. This coil is both light and small and we found it could quite readily be supported on the bus bar wiring, one end being attached to the wire from the P terminal on the Karas transformer and the other to the wire which comes up from condenser-coil connector.

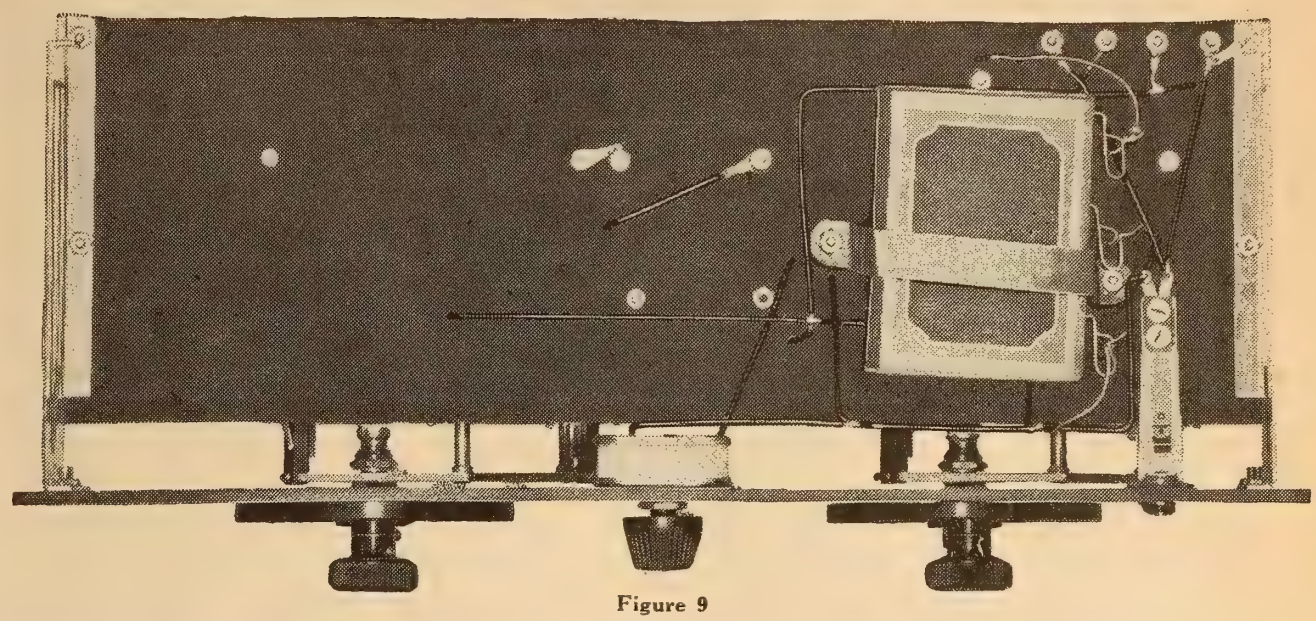


Figure 9

Experimentation Needed

The ticklish part of this whole outfit is the matter of grid bias of the detector tube. The set will work, to some extent, without a great deal of care in the matter of adjustment, but that gradual approach to oscillation that is the secret of range, will be obtained only if some experimenting with the grid leak, grid condenser and grid return is done. You probably noticed in the schematic diagram shown with Part I that the grid return was shown dotted to both the plus and minus filament leads. This can go to either the plus, the negative between rheostat and filament or the negative below rheostat. You will most likely find plus filament the best spot for this but try them all. If you have an assortment of grid leak cartridges and small fixed condensers around from previous work (and every true experimenter has), take out the Leakandenser cartridge and connect a .0001 mfd. or .00015 mfd. fixed condenser across the mounting screws for the clips on the under side.

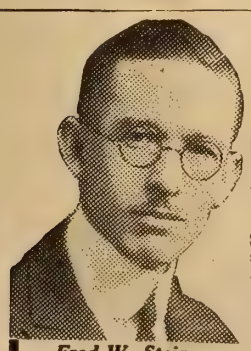
Various resistance cartridges should then be tried, with the different grid return connections mentioned until a slow approach to oscillation, through regeneration, is possible. If no combination gives you this, the radio frequency choke is essential and its use will force all of the radio frequency component in the detector plate circuit, through the feedback coil and condenser and keep this component out of the audio frequency part of the set.

In the schematic diagram of figure 2, a possible connection between the filament circuit and the ground binding post is shown. It is usually preferable to omit this connection since it is likely to bring in a lot of undesirable noises and will not help the selectivity a bit. Put it in only if for some reason you are bothered with hand capacity.

While making any of the adjustments outlined, the three coils should be inserted one after another to be sure that, with any combination, it is possible to secure oscillation over the whole wave length range. These tests should be made with the antenna and ground disconnected and the antenna coil swung back away from the secondary coil. Thus you can be sure there are no "dead spots" created within the set itself. With a satisfactory arrangement in the matter of grid bias, the antenna and ground connections can be put back on and the tuning tried over the whole scale.

Now, due to characteristics of your individual antenna installation, it is highly probable that a dead spot or two will be found due to harmonics of the antenna circuit itself. At these harmonics it will absorb energy from the grid circuit surprisingly fast. Most of these spots can be eliminated by loosening the coupling of the primary to the secondary but it may prove necessary to shift the natural period of the antenna circuit by inserting either a loading coil to raise it or a series condenser to lower it. Although we did not find dead spots due to harmonics of the radio frequency choke, we understand

(Continued on page 28)



Fred W. Stein.

Steinite Low Loss Interference Eliminator

No Radio Set Complete Without It

Select stations at will. With music and voices crowding the air the average set fails to bring in the desired stations properly. The *Steinite Interference Eliminator* shuts out local and other interference. You get one station at a time, the one you want, and tune in loud and clear. Operates on any set—attach to aerial wire and to set—no changes—no extra tubes or batteries. Greatest Dollar Value in Radio Today.
OVER 300,000 SOLD

PATENT PENDING.

Improved Results With Tube or Crystal Try entirely at my risk the wonderful improvement this inexpensive little device will make in the reception of your set. Improves results on both crystal and tube sets that use any kind of aerial except loop antenna. Clears up reception wonderfully, increases volume, and partially absorbs static. ***MONEY-BACK GUARANTEE.***

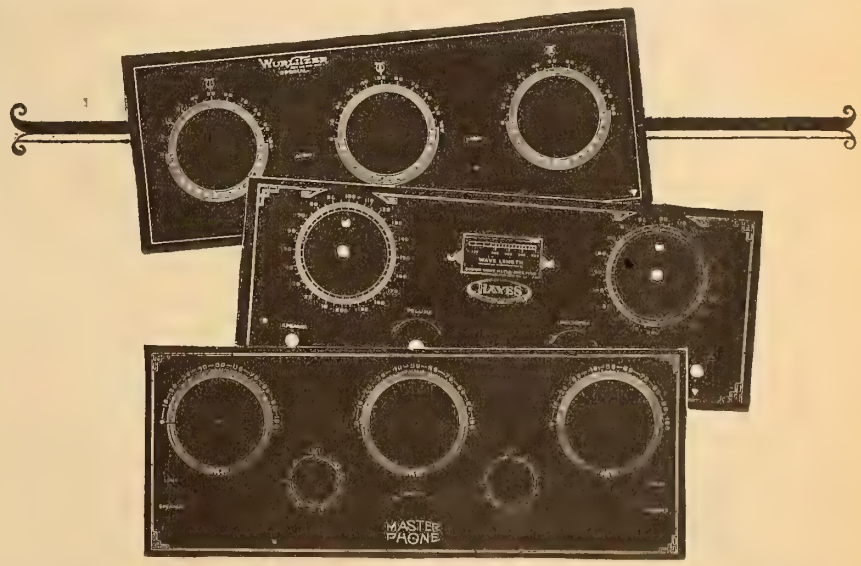
Mfrs. Famous 1,500 Mi. Steinite 1-Tube Set, $6; Long Distance Crystal Set, $6; Steinite Crystal 50¢—3 for $1
STEINITE 5-Tube Set—$29.75
FREE Descriptive Literature on request.

Put this interference eliminator on your set and note amazing improvement. No tools needed—install in a moments time. Connect with set and follow simple instructions. Money back promptly if not delighted. $1.00 postpaid anywhere in U. S. when cash with order.

$1 Postpaid If you are not delighted with results you get your dollar back

References: Exchange National Bank, Atchison Savings Bank. Order today—a dollar bill will do.

STEINITE LABORATORIES, 161 Radio Bldg., ATCHISON, KANSAS



Veri Chrome and Formica Provide the Finest Radio Panel

THE great variety and beauty of the decorations for radio panels that are possible with Veri Chrome, and the remarkable permanence of a Formica panel so decorated have made sets with Veri Chromed panels very popular.

To give kit buyers who assemble their own sets a chance to purchase Veri Chrome decorated panels we have prepared panels for some of the better known kits.

Bremer-Tully No. 1; Bremer-Tully Counterphase; Bremer-Tully Nameless; two sizes of Best's Superheterodyne put out by Remler; and the Browning-Drake receiver offered by the National company, the four tube Marco Browning-Drake and the General Radio Universal Receiver, are kits for which Veri Chromed panels are now available—see your dealer or jobber or write us direct.

Panels of all standard sizes are packed in neat individual envelopes and sold by dealers to home set builders.

Write for booklet "What Formica Is"

THE FORMICA INSULATION COMPANY
4667 Spring Grove Avenue Cincinnati, Ohio

FORMICA
Made from Anhydrous Bakelite Resins
SHEETS TUBES RODS

SHORT WAVE RECEIVER

(Continued from page 27)

from Marco that these are also a possible source of such areas. Alteration of this choke either by adding turns, cutting them down, using a smaller core or a slightly larger one will shift these harmonics out of range.

It may seem to builders of this outfit that there are a great many "ifs," "ands" and "buts" to this outfit but it must be understood that factors which are not important in the broadcast range of wave lengths, are magnified tremendously in importance when one is working between 15 and 130 meters. In the first case, the frequencies are 500,000 to 1,500,000 per second, while, in this latter work, the frequencies involved are from 2,300,000 to 20,000,000 per second. Patience and willingness to experiment, however, will give the builder satisfaction well worth the effort and a valuable education in Radio.

A STEP ON THE STAIRS

(Continued from page 7)

scraped and flamed almost instantly in the hallway.

"The candle is there under the table near the Sahib's foot," the Indian reported. "If one of the Sahibs will pick it up . . . There it is.

"This time I had matches in readiness . . . What is the matter with the Sahib's hand?"

Ardwyn was standing as he had been standing before the mishap to the candlestick but he was holding his right wrist with his left hand and his face was contorted with pain.

"She bit me," he said. "I know it was a woman. I felt her hair . . ." The three women of the company leaned forward in their chairs and looked at one another appraisingly.

"I'm so sorry," murmured Mary Williams contritely. "It is really my fault. If I hadn't jolted the table and upset the candlestick this horrible thing could never have happened."

"It's nothing to be upset about," said Ardwyn. "I can fix it. I have been chewed by wild animals before."

"No," put in Tolliver, "please don't get all agitated. I ain't even surprised at Ardwyn gettin' all chewed. Nothin' surprises me in this menagerie. I ain't even surprised when they put on the lights an' I see you there in your chair."

"What do you mean?" demanded Mary Williams.

"Oh nothin' at all," explained Tolliver with an exaggerated penitence. "Nothin' at all except when I saw you goin' dizzy I thought you might fall an' miss the chair. And Mr. Ardwyn . . . Maybe you didn't notice . . . But that letter . . . It's gone."

Who bit Lawyer Ardwyn on the wrist and stole the letter taken from the motorcycle cop? Who shot the engineer at FYX? Why did sweet Mary Williams faint—if she really did faint? What became of the bearded pirate? The next installment will offer new clews and present new complications for those who are hoping to get some of that $500 in gold to be awarded by Radio Digest for the correct solution at the finish. Be sure to read the next installment!

STRAIGHT-8 ON THE WEST COAST

I HAVE built or rather changed over my super to the Straight-8 as published by you so thought you might like to know how it is working. I got no European stations during the test, but my attached list includes 90 stations logged between January 13 and February 5. You will note this includes the East coast with 6KW, WSB and WGY, Mexico with CZE and CZF, Canada with CFCT, CNRV, CKCD, CFCN and CFAC and all those worth talking about in between.

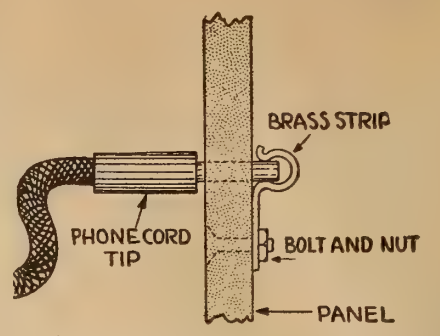
You know we have to get our Eastern stations at a time when all our local stations are also on and I have, within 200 miles of me, 10 of 500 watts, 2 of 5,000 watts, 1 of 750 watts and 2 of 1,000 watts with many of lesser power. Also you know WLW is 2,000 miles from me and 10 kilocycles from KPO, WHT is 1,800 miles from here and 10 kilocycles from KHJ, WDAF is 1,400 miles distant and 10 kilocycles from KGO while WBAP, also 1,400 miles away, is only 10 kilocycles off of KFI's 5,000 watts, but I get them and use an aerial 150 feet long; so you can guess what I think of the Straight-8.

I was using an ultradyne, so simply took out the coils, made the new one and put them in the right places. Have Amperites on all tubes in place of rheostats and think they are the only thing. The only change I made was in the number of turns on the grid coil of the oscillator which I reduced 4 turns from the specifications. I trust this may be of some interest to Messrs Christen and Fournier.—J. B. Fox, Exeter, Calif.

(Editor's Note—Letters such as this are most encouraging to the technical staff. Few readers take the trouble to advise us when Radio Digest sets work well; they seem to take it for granted they should. "Grief" letters are also welcome, however, as they show us where we might improve our descriptions of receiver construction).

Phone Cord Tip Jack

The attached sketch shows an easily constructed phone cord tip jack I devised. A short piece of brass strip, one-quarter to one-half inch wide and a short



machine screw are all that is necessary. The machine screw can, of course, be either round or flat head.—Eugene Wilson, Jr., Bentonville, Ark.

Cabinet Corner Pad

A thick round corn pad, moistened, will adhere readily to the foot of any receiver. This will not only prevent scratching of the table but will remove

many of the microphonic noises.—William Fischer, 1193 Twenty-ninth street, Milwaukee, Wis.

WHT Has Frequency Indicator

CHICAGO.—If you want to determine exactly what is 400 meters on your receiving set, tune in on WHT, Chicago. A frequency indicator has been installed on the transmitter and the wave will not vary to less than 399.99 or more than 400.01 meters.

Norwegian fishermen at Stavanger are now using a microphone with telephone attachment to listen for the movement of shoals of fish. Airplanes are used for "spotting."

Piano virtuosos are so hard on the two pianos in WSAI's studios that it is necessary to have them tuned weekly. The pianos are used 20 to 30 hours a week.

Look into each real record of International Test Week, and quite likely you will find a Penetrola behind it. Never was the stage so perfectly set to prove that *Penetrola plus almost any set* surpasses the very costliest set alone. Europe, brought in like local broadcasting, confirms the audibility meter tests in which Penetrola multiplied signal strength 188 times!—ahead of the detector! Penetrola results, based on exclusive, perfected Walbert principles, are the reason for the radio industry's intense interest today in the Walbert Isofarad circuit.

WALBERT MANUFACTURING COMPANY
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PENETROLA

The New Radio Book How To -

Operate Sets
Construct Parts
Improve Reception
Understand Radio
Assemble Circuits

The greatest assemblage of facts and hints, from actual everyday practice, ever gotten together. Edited by the technical staff of Radio Digest, it supplies the demand for a book covering every phase of Radio. Starts at the beginning with simple explanation of Radio reception, with technical explanations of the different parts and leads right on to the more advanced instruction. A complete handbook serving as a ready reference in the Radio field. It gives suggestions on parts and sets which will prove to be a money saver. Blue prints and diagrams are essentially an important part of this book. Special chapter is devoted on "How to Operate," which gives detailed information on the operation of many well known sets.

A general information is vital to the knowledge of anyone interested in Radio. It gives a complete list of all broadcasting stations with a colored map showing their location. The workshop kinks will save you time and money. Now is the time to take advantage of this exceptional offer. **Mail coupon today!**

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510 N. Dearborn Street,
Chicago, Illinois.

Enclosed find $5.00 for one year's subscription to Radio Digest. The new Radio Book, "Radio Receivers," will be mailed FREE, postage prepaid. This offer only good on subscriptions sent directly to this office, not through agents or agencies.

Name .....

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3-6-26

The Reader's View

Upholds V-63

Having read Mr. H. G.'s article in February 6, 1926, wherein he takes exceptions to the complaint of V-63, evidently believing the complaint unjustified.

Now I am one of the listeners here in Pittsburgh who has been tormented by the station, viz. WIR, for the last six months, and I can assure Mr. H. G. that I am not using a blooper either. Suffice it to say that I have copied code from this station on R. A. C. supers from the old second harmonic to the new Radiola Z8, and surely you understand that this cannot be done theoretically without the use of the second beat against the last detector.

I have seen nights here in Pittsburgh where interference from this station would drive KDKA in on RCA super in twenty-one places and I have had this happen on my own receiver, which is an 8-tube 201A type machine. This outfit can bring in KFI through WJZ and WRC without any difficulty so I believe you could not call that exactly "sloppy."

The greatest interference caused here is distortion produced in every kind of receiver and very often abrupt fading is caused on the local stations, and at other times vicious cracks and screeches. These effects are undoubtedly caused by heterodyning.

It seems to me that you have been a little hasty in your criticism and if you feel you have anything to teach us about receiver design, the writer will be very glad to pay your expense here and back if you can demonstrate this fact. I would like to state further that some of you fellows are going to get a new idea on this interference problem some of these days, to the effect that short wave transmitters are contributing a very large portion to our troubles where powerful amplifiers are being used. There is one within a few blocks of me which has a note resembling raw A. C. The disturbance all around here is of the nature of static to the average receiver, namely shock, yet there is no relief in sight. R.L.B., Pittsburgh, Penn.

Did It Occur to You?

Answering "C. A." of Columbus, Ohio, under "Should Answer Letters," let me say that I think "C. A." is a poor sport. Which would be the easier to do: 10,000 persons write a post card to the artist or station heard from, or for one person to be compelled, as "C. A." suggested, to answer each of the 10,000 cards received, all to different addresses? I wonder if he gave his article any thought before sending it in. It would cost 10,000 persons one cent each to send a card to the station thanking them for the free concert, whereas, it would cost the station $100 to answer the 10,000 cards. I believe he'd better think and apologize to our good stations who entertain us each and every evening. W.L.P., Monticello, Ill.

The Perfect Announcer

Have noticed in your columns lately that there have been numerous complaints concerning the announcers at our different stations not letting the Radio audience know to whom it is listening. During the last week, I found these kickers an ideal announcer.

If they will tune in CZE, Mexico City, Mexico, I am sure they will be satisfied as I believe he is the best I have ever heard. If he don't suit them, I am afraid there is no hope for them. D.W.E., Fairview, Ill.

Against Cute Announcing

I would like to have space in your paper to say a few words in regard to announcers. I notice that several commented on not being able to locate stations on account of a great many of them playing several numbers without announcing the call letters or the station.

My experience along this line is that I find some complaint regarding not announcing the call letters or location of stations, but the most annoying thing is to pick up a station that you are not familiar with and have the announcer blur the call letters and location with his cute way of announcing the call letters and locations that no one who is not familiar with it can understand what he says.

I presume everyone is annoyed with this as just about one-half of the announcers have some cute way of announcing their stations. This, however, is not annoying to anyone that knows what stations they are as they receive them after they have had them several times but it is very annoying to the person or persons that pick them up for the first time. J.J. W., Beaumont, Texas.

Trouble in Cape Breton

I notice that R. F., Sperling, Manitoba, Canada, says he would like to see more on the readers' page from Canadian listeners about Radio conditions in Canada.

We in Cape Breton seem to be out of luck this winter, as we are hearing very little except code harmonics from the Marconi high-power station at Glace Bay. On Monday nights 10BA, Glace Bay, gives us some good programs which are contributed by local talent. It comes through well for a "5-watter."

The Canadian license fee of one dollar per year is used by the government in controlling and eliminating interference—at least, it's supposed to be. We Cape Breton fans get much interference from the Marconi station at Glace Bay, its harmonics coming in on every three or four degrees of the tuning dials.

I would like to see other fans who have had the same trouble write in.—W.M.P., Cape Breton, Nova Scotia.

More Appreciation Needed

I read your editorial, "Program Coming in Fine," in the issue of February 6. I agree that the reading of telegrams, letters or little talks between numbers might be annoying to some listeners in, but not to all. In the first place, it gives the Radio fan a chance to acquaint himself with the announcers, the entertainers, and also hear a word about other fans scattered over the country. It would surely be tiresome to listen to music, each number being reeled off one after another, with "mechanical" announcements between the numbers. And what about the popular announcers? We like to listen to their voice, and sometimes hear a word about themselves. The fans who complain about the telegrams being read between numbers are the ones who usually spend their evenings twisting the dials, tuning in the different stations, and not listening to any of the programs broadcast, their sole enjoyment being to get as many stations as possible—and, perhaps, annoy other listeners in with re-radiation noises from their sets. There are too many stations on the air. The thing to do when an announcer starts to read a telegram is to switch over to another station, but the chances are you'll miss the call letters of the station unless you have patience—and time—to wait. More appreciation of efforts on the part of the announcers to please the many listeners in is needed.—J.L.L.

Radio Operated Lights Keep Flyers On Course During Inclement Weather

Special Wireless Beacons Proving More Efficient and Easier to Follow Than Former Code Signals; Planes Cannot Get Lost with New Directional System

A SPECIAL type of Radio receiver, which permits air pilots to maintain a course through darkness and fog toward a Radio beacon is the latest development in Radio and aeronautics. This improved Radio receiver or indicator is visual, in that the pilot does not have to listen in continually for the code signals which keep him on his route; he merely watches three tiny electric lights on his dashboard. They are operated by the Radio signals picked up when his receiver is properly tuned on the beacon, and indicate to him whether he is on his proper course or veering to the right or left.

Pilots Lose Themselves

Radio beacon finding, or directional flying, tests have been conducted for some time at McCook field, in Dayton, the pilots using the Radio beacon at Wilbur Wright field, which sends out a series of guiding signals for their use. The development of this system, patterned somewhat after the marine methods, has been through the cooperation of the signal corps and air service experts at McCook field and the air mail service. In the tests, pilots frequently flew from the field and lost themselves in the air, trusting to the Radio beacon to guide them home. In this they were always successful within a radius of about 200 miles.

How the Lights Work

The original system was called the equi-signal system, in which two signals transmitted simultaneously from the beacon had to be kept at equal strength to assure the pilot that he was on the proper line or flying toward the beacon. A development made during the past year is an improvement. It is known as the interlocking signal system. Two distinct signals are still sent out, but they combine to form a third character when the airplane is on the right line. If the aviator veers to the left of the course he hears only one signal, the Morse letter "A," transmitted in code. When he is off the course to the right he hears the Morse letter "N" in code.

If flying exactly on the prescribed course these two letter signals combine to form a continuous repetition of the code letter "T," or a series of dashes. Hearing the series of dashes continually, he is sure his route is toward the beacon, but when this series breaks up he is either to the right or left and must change his course until he again picks up the continuous signals.

Less Concentration Needed

The difficulty found with this method in flying toward a beacon was the constant attention required by the pilot, who has several other things to do when flying his plane. Dependence upon his ears required too great concentration, increasing the chance of error. To correct this difficulty and make it easier for the pilots, the visual indicator was devised, and phones dispensed with for actual flying, though they may be used for instructions.

Three small electric lights mounted on the instrument board in front of the flyer, when properly connected with his special receiver, flash and go out, depending upon his course. The unbroken series of "T" signals, or dashes, which is picked up by the set when the two signals are received with equal intensity, operates a relay which causes a white light to flash. This is the proper course light, the constant flashing of which shows the pilot that he is flying toward his beacon. When the plane is off the route to the left a red light flashes; when on the right the green lamp flashes. The port and starboard signals used at sea are followed in flying.

A new Radio beacon of this type is now being erected at Monmouth, Ill., under the supervision of the McCook field Radio experts. When completed this beacon will be a valuable guide to the air mail pilots.

FOR CLEAR, QUIET "B" POWER

RADIO Storage "B" Battery

12 Cells 24 Volts *Lasts Indefinitely—Pays for Itself*

Economy and performance unheard of before. Recharged at a negligible cost. Delivers unfailing power that is clear, pure and quiet. Approved and listed as Standard by leading Radio Authorities, including Pop. Radio Laboratories, Pop. Sci. Inst. Standards, Radio News Lab., Lefax, Inc., and other important institutions. Equipped with *Solid Rubber Case*, an insurance against acid and leakage. Extra heavy glass jars. Heavy rugged plates. Order yours today!

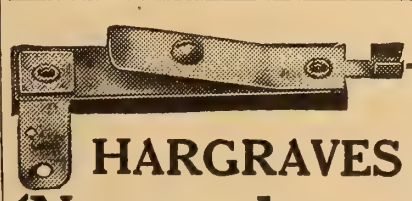
SEND NO MONEY Just state number of batteries wanted and we will ship day order is received. Extra offer: 4 batteries in series (96 volts), $10.50. Pay expressman after examining batteries. 5 per cent discount for cash with order. Mail your order now!

WORLD BATTERY COMPANY
1219 So. Wabash Ave., Dept. 76 Chicago, Ill.
Makers of the Famous World Radio "A" Storage Battery
Prices: 6-volt, 100 Amp. $11.25; 120 Amp. $13.25; 140 Amp. $14.00. All equipped with Solid Rubber Case.

World STORAGE BATTERIES

Set your Radio Dials at 210 meters for the new 1000 watt World Storage Battery Station, WSBC, Chicago. Watch for announcements.

KDKA ~ WEAF ~ WGN ~ WJS ~ KHJ ~ KGO ~ KFAE ~ WJY ~ KOP



HARGRAVES
Neutra-denser
(Pat. Pending)
SOCKET MOUNT

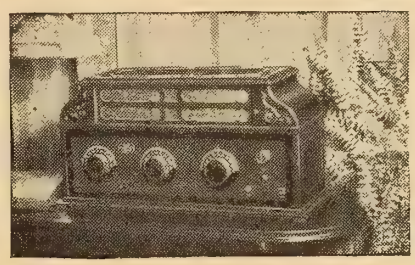
approximate capacity
1½ to 30M—MFD.

The only neutralizing condenser mounted directly on grid terminal.
Used on sets where neutralization is necessary; eliminates at least two soldered connections
Easily adjusted, and once adjusted is permanent. Made of best material, Bakelite base, heavy nickeled Brass and Ruby India Mica.
Requires less space than other condensers.

Price 75c

C. E. & H. T. HARGRAVES
Lakewood (Prov.) R. I.

CHICAGO DISTRIBUTORS
Dungan-Sternfield Radio Sales, Inc.
25 N. Dearborn St.



ARBORPHONE DUO

Gives Assurance of Remarkable Performance

AND now Arborphone assures you the proper reproduction of the wonderful tone quality and volume always available over the Arborphone Receiver. Built in the beautiful new Arborphone Duo cabinet is a special Timbretone Loud Speaker, known the world over for its fidelity of tonal reproduction. Delightful reception is the result. Volume on DX work greater than you've heard before, purity of tone that will thrill you anew.

$88.00
Complete
($95.00 West of the Rocky Mountains)

For this handsome Receiver, the most astounding value yet available in Radio.

$55.00
(Add $5.00 West of the Rocky Mountains)

For the standard Arborphone model, one of the season's most conspicuous successes.

See the nearest dealer or write to factory for details.

Machine Specialty Company
319 S. Main St.
Ann Arbor Michigan
"All you could ask of a Radio"

4 Big Improvements in Amplification!

Write for Autoformer Hook-Up Bulletin

THORDARSON
Autoformer
Trade-Mark Registered
All Frequency Amplifier

It Gives You

1 Full amplification of those bass notes hitherto largely "lost"
2 Greater clarity on all notes
3 Improved reception of distant programs
4 Better volume control

Latest development of the world's oldest and largest exclusive makers of transformers. For those who wish the finest reproduction of programs to be had. May be used with any set in place of regular audio hook-up. Autoformers are $5 each at dealers'.

THORDARSON ELECTRIC MFG. CO., CHICAGO

Microphone Voice Is Deceiving to Those Who Would Describe Speaker

DENVER.—Attempts at sizing up Radio announcers by their microphone voice have come to be the newest of pastimes among listeners, judging from dozens of speculative letters being received here at KOA, Rocky mountain broadcasting station of the General Electric company.

Just because an announcer speaks with a deep bass voice is no indication he is "tall and thin," or that he sings bass or baritone, has gray hair or is of light complexion.

Experience shows that the microphone voice is most deceiving, a careful check of KOA fan correspondence proving that Radio voice speculators miss their mark no less than nine times out of ten.

So far as KOA's audience is concerned, unusual interest appears to be centered on R. F. (Ralph Freese). Contrary to the theories of listeners, who have endeavored to figure him out, he is a lyric tenor and not a basso; he is of medium build and average height and not "tall and thin" and has fair skin instead of dark.

He Comes From Kansas

Born in Kansas, Freese, as a youth, spent his vacations working on a wheat farm and around his father's flour mill. On completing high school, he engaged in newspaper work and subsequently attended the Cincinnati Conservatory of Music and the University of Cincinnati. After school hours he engaged in social settlement work.

In 1921 Freese undertook to walk from Cincinnati to Hutchinson, Kan., a distance of approximately 1,000 miles, the outcome of a wager with his old classmates in college that autoists are not generous.

Gets Many Lifts

"Our wager stipulated that I was to hike across the country along the main traveled roads and was not to ask a single motorist for a 'lift,'" Freese says in describing his experience. "The trip took less than a month and I don't recall walking more than 100 miles altogether. In fact, offers from autoists to 'jump in' were so numerous that walking became a pleasant diversion."

MYSTERY SERIAL IS HIT

(Continued from page 3)

only glad to have a share in the development of this new branch of literature but are hoping that one of our listeners captures the grand prize."

This was the tenor of the replies of most of those who were asked to join in the presentation of the air drama.

Following is the list of stations which will broadcast the weekly episodes of "A Step On the Stairs" with their own dramatic artists:

WOR, Newark, N. J., (405.2m-740kc); WHAR, Atlantic City, N. J., (275m-1090 kc); WGY, Schenectady, N. Y., (379.5m-790kc); WEAN, Providence, R. I., (270.1m-1110kc); WNAC, Boston, Mass., (280.2m-1070kc); WSB, Atlanta, Ga., (475.9m-630 kc); WRC, Washington, D. C., (468.5m-640kc); WMAQ, Chicago, Ill., (447.5m-670 kc); WCCO, Minneapolis-St. Paul, (416.4m -720kc); WOC, Davenport, Ia., (483.6m-620kc); WLW, Cincinnati, O., (422.3m-710kc); WHO, Des Moines, Ia., (526m-570kc); WBAP, Ft. Worth, Tex., (475.9m-630kc); KTHS, Hot Springs, Ark., (375.8m-800kc); WOAW, Omaha, Neb., (526m-570 kc); KOA, Denver, Colo., (322.4m-930kc); KGO, Oakland, Calif., (361.2m-830kc); KGW, Portland, Ore., (491.5m-610kc).

Time schedules for the broadcasting, so far as they have been received are published on the program pages.

CLASSIFIED ADVERTISEMENTS

Classified advertisements in Radio Digest produce results. Have you a receiving set to sell? Do you want to buy a Radio? A classified advertisement in this column will sell your set.

Rates are twenty cents a word for each insertion, five per cent discount for four insertions, ten per cent for thirteen insertions, fifteen per cent for twenty-six insertions, twenty per cent for fifty-two insertions. Name and address to be included at above rate. Cash should accompany order. Minimum of ten words.

Objectionable and misleading advertisements not accepted. Forms close three weeks prior to date of publication, which is Saturday.

BLUE PRINTS

Super-Het, Ryan's Simplest Possible 7-Tube Set. Complete instructions, actual size template. How to make a loop. All for 50 cents. Book Dept., Radio Digest, 510 North Dearborn Street, Chicago.

BUSINESS OPPORTUNITIES

Start Real Mail Order Business. Booklet tells how. Sample plan 25c. Outfit furnished free. Evans, Dept. 3, 702 W. 16th St., Los Angeles, Calif.

FOR SALE

For Sale — Sixty dollar Thermiodyne, speaker, table, new, $35. R. E. Haesly, Winona, Minn.

For Sale—New N.R.6 Freed-Eisemann, $55. R. E. Haesly, Winona, Minn.

MISCELLANEOUS

Photos of Your Favorite Radio Stars. Ten cents and coupon appearing on another page of this issue will entitle you to one of the photos from Radio Digest gallery of stars. Radio Digest, 510 North Dearborn Street, Chicago.

SALESMEN WANTED

WANTED—Manufacturer's representative for concern manufacturing a high grade Radio vacuum tube. Address your letters to Wm. C. Davis, Newton Falls, Ohio.

TELEGRAPHY

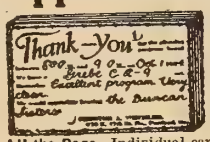
Telegraphy—Both Morse and Wireless taught thoroughly. Big salaries. Wonderful opportunities. Expenses low; chance to earn part. School established fifty years. Catalog free. Dodge's Institute, Sixth St., Valparaiso, Ind.

Big Money in Radio

Demand for high pay radio men is so great that a big Kansas City wholesale concern is now fitting men free to get into the radio business for themselves and make $60 to $200 a week without any capital invested. Select territory open. Send today for free catalog and amazing offer. Write direct to Mr. H. J. Saizow, Standard Radio Co., 1440 Walnut St., Kansas City, Mo.

GET THIS BIG
RADIO CATALOG FREE
Simply send name TODAY for big 64-page book explaining liberal proposition paying agents $60 to $100 a week, and how to make money from latest radio goods. Live dealers and agents wanted
Standard Radio Co., 1442 Walnut St., Kansas City, Mo.

Applause Cards ½ Price



Name and Address Printed Free
Stations gladly put on numbers you request. We print special cards that get ATTENTION. Applaud your favorites. Quality cards and printing.
FREE LOG with 1st Order
All the Rage. Individual cards at special prices: 100—$1.45; 200—$1.95; 300—$2.45. Money refunded if not delighted.
Send No Money just pay postman when you get cards and FREE Log. Order today—NOW.
Radio Printers, Dept. 4413, Marengo, Ill.

Yale GROUND HOG DOUBLES POWER AND DISTANCE
The Perfect Ground
Marvelous newly-invented ground gives 100% improved reception. Doubles power and distance. Stops leakage. Reduces static. Stops jangling even in mid-summer. Results never before equalled, users say. Satisfaction Guaranteed.
Proven absolutely essential to clear, powerful distance reception. Draws and holds moisture indefinitely. Highly sensitive to radio energy.
SEND NO MONEY—To introduce, we offer to those who act at once, regular $5.00 size for only $2.00. Send name today and pay $2.00 plus 17c postage on delivery. Or send only $2.00 with order and save postage. FREE—Full description of Ground Hog and big money making agent's offer on request—write today.
Yale Specialty Supply Co.
1805 Grand Ave., Kansas City, Mo.
YALE GROUND HOG

ELIMINATE STATIC!
Enjoy perfect reception regardless of weather conditions. The Static Eliminator—the newest and most starting thing in Radio—cuts out practically all static without loss of volume!
And in addition it will help increase selectivity, tune out local stations, sharpen signals, remove noises, lessen interference and prevent re-radiation!
Use it with any receiving set—simply hook up according to our simple instructions and enjoy perfect reception unmarred by static. Satisfaction absolutely guaranteed — Money back if Eliminator is returned within 5 days.
Mail your order today.
$1.00 Postpaid
STATIC ELIMINATOR CO. (P-1)
622 Union Trust Bldg., Cincinnati, O.

STATION SUED FOR LEASEE'S REMARK

For First Time in History, Broadcaster Is Made Defendant in Personal Libel Suit

OKLAHOMA CITY, Okla.—For the first time in the history of broadcasting, a Radio station has been made defendant in a personal libel suit. Action has been taken against KFJF, here, for $20,000 for alleged libelous statements made by Rev. Lincoln McConnell while the station was leased by him.

Rev. McConnell was for many years an evangelist prior to occupying a regular pulpit and his talks still have the fire of evangelistic flavor. Recently he gave a widely-advertised talk on "The Octopus," which is the general term he applied to the liquor industry. The atmosphere was favorable for reception and the sermon spread far and wide. During his talk he mentioned certain matters regarding the official conduct of Undersheriff Friss of Oklahoma county, to which Mr. Friss took exception and the following day filed suit against Rev. McConnell for $75,000, and against KFJF as the disseminator for $20,000.

Experience and a little study of the art of tuning are necessary for the successful operation of any Radio receiver.

Don't Tune by Guess
KNOW the wave length your set is tuned to
KNOW your dial numbers for each station in America
KNOW whom you are receiving without announcement
You can do it all with RADEX
At most good Radio Shops **25c** or sent pospaid coin or stamps
RADEX, Box 143-N Cleveland, O.

New Revisable LOG
Loose Leaves—Large Colored Radio Map FREE

New 62 page log. Corrected sheets published as changes in calls, wave lengths, owners, addresses, watts, etc., occur. 468 stations. 4 dial settings, remarks, etc. Tuning suggestions. Station lists by wave lengths—by states, etc. Trouble aids. Dictionary Radio Terms, Repair Hints, Trouble Preventers. Chart showing dial setting for each wave length. Ideal Aerial. Other valuable information. So convenient. Worth many times small cost. Only $1. Pay postman after log and large FREE map arrive. Postpaid if pay with order. Money refunded if not delighted. Order today—now. Postal will do.
Radio Printers, Dept. 9413M, Marengo, Ill.

ARE YOU THE MAN
to be first in your town to sell and demonstrate POWEROLA, the famous 5 tube NO-BATTERY ELECTRIC LIGHT SOCKET RADIO RECEIVER (not an attachment), universal for D.C. or A.C. (100-115 v., 40-60 cycle), now sold and demonstrated thru THE NEW YORK EDISON CO., public utility companies and radio, electric and music dealers everywhere. Absolutely dependable, fully guaranteed, powerful, practical, perfect in performance.
?
Are You the Man Who Sees Opportunities Ahead for Real Money Making?
Write for literature, terms and prices at once.
You, Too, Can Make Powerola
Send $1.00 for wiring diagrams showing parts used and how to make any set or circuit (one to eight tubes) operate satisfactorily from A.C. or D.C. current.
POWEROLA RADIO CORP.
Dept. R.D., 1845 Broadway New York

Nightingale
6-tube Set with Integral Loud Speaker $75
A wonderful, sharp tuning set of beautiful tone, made complete in our own factory. Five tube assembly suffices for most stations, but volume can be tripled by using 6 tube terminal. No wasteful neutralizing condensers but perfect balance of parts. *See Nightingale dealer or write to*
THE GUTHRIE CO., GRAFTON, OHIO
Makers of the famous Songbird Line

HARRY LOSES TRAIN BUT SAVES SHILLING

LONDON.—When Sir Harry Lauder, the world's famous Scottish comedian, came here to broadcast from 2LO recently, he promised his wife that he would be back in Glasgow the next night, leaving London by the 10 a. m. train.

About 10:01 a. m., he dashed into the depot, breathless, followed by a bellboy carrying a bulky grip.

"Why didna ye hold it up a minute?" he despondently asked a porter. "This is the first time in my life I have ever lost a train."

In his transmission from 2LO Sir Harry included a message to Lady Lauder, listening in Glasgow, thereby saving a shilling on a telegram.

"I am always saving," he explained, with a whimsical smile.

The heart of the vacuum tube is the filament.

For better reception SHIELD your RADIO
Perfect shielding materials, write for prices.
Stage Bros. Mfg. Co., Lincoln, Nebr.

$1.50 for Your Old Radio Tubes
regardless make or condition, toward purchase of each new standard $2.50 tube. (WD11 or WD12 tubes not accepted). Positively guaranteed. We do not sell re-built or bootleg tubes. Agents wanted.
Super-Service Laboratories, Dept. 56 Room 57, 39 West Adams, Chicago, Ill.

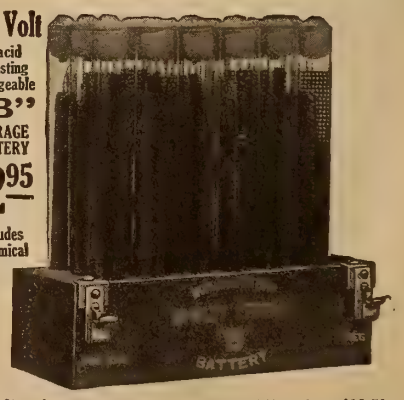
Long Distance Radio
Only **$2.95**

200,000 SATISFIED OWNERS
—Getting stations 600 miles away on Lambert Radios. No batteries or tubes required. A real Radio—not a toy or attachment. One to four can listen at once. No howling or screeching noises. Hear local stations on bedsprings, light sockets or telephone. Fully guaranteed. Set, $2.95—Phones, $2.95—Aerial, $1.00. Mail orders filled same day. We pay postage.
LEON LAMBERT RADIO CO.
212 So. Market St., Wichita, Kansas

6-Volt Storage Radio "A" Battery

$5.00 C.O.D. Send No Money
Most amazing battery value ever offered! A genuine World 6-Volt Radio "A" Battery with 90 ampere capacity for only $5.00! Just the thing for Trickle Charger. Famous World Quality assured. Equipped with
Solid Rubber Case
an assurance against acid and leakage. *Order Now.* We ship same day—by express C. O. D. subject to your examination on arrival. *Extra Offer:* 5% discount for cash in full with order. ACT TODAY!
World STORAGE BATTERIES
WORLD BATTERY CO. Dept. 148, 1219S. Wabash Ave., Chicago
KDKA WEAF WGN WJS KHJ KGO KFAF WJY KOP

22½ Volt un-acid everlasting rechargeable "B" STORAGE BATTERY
$2.95 Includes Chemical



45 volts, $5.25; 90 volts, $10.00; 112½ volts, $12.50; 135 volts, $14.75; 157½ volts, $16.80. Truly the biggest buy today. Easily charged on any current including 32-volt systems. Any special detector plate voltage had. Tested and approved by leading authorities such as Popular Radio laboratories. Over 3 years sold on a non-red tape 30-day trial offer with complete refund if not thoroughly satisfied. Further guaranteed 2 years. Knock-down kits at great savings. Complete "Hawley" "B" battery charger, $2.75. Sample cell, 35c. Order direct—send no money—simply pay the expressman cost on delivery. Or write for my free literature, testimonials and guarantee. Same Day shipments. B. Hawley Smith, 817 Washington Ave., Danbury, Conn.

Radiophone Broadcasting Stations

Corrected Every Week—Part V

Alabama:
Auburn, WAPI
Birmingham, WBRC
Mobile, WEBM
Montgomery, WIBZ

Arizona:
Flagstaff, KFXY
Phoenix, KFAD, KFCB

Arkansas:
Fayetteville, KFMQ
Hot Springs National Park, KTHS

California:
Alma, KFQU
Avalon, KFWO
Bakersfield, KDZB
Bear Lake, KFXB
Berkeley, KRE
Burlingame, KFOB
Chico, KFWH
Fresno, KMJ
Hollywood, KFQZ, KFWB, KNX
Long Beach, KFON
Los Angeles, KFI, KFPR, KFSG, KHJ, KMTR, KNRC, KTBI
Oakland, KFUS, KFUU, KFWM, KGO, KLS, KLX, KTAB, KZM
Oxnard, KFYF
Pasadena, KPPC, KPSN
Sacramento, KFBK
San Diego, KFBC, KFVW
San Francisco, KFRC, KGTT, KJBS, KPO, KUO
San Jose, KFAF, KQW
San Pedro, KFVD
Santa Barbara, KFHJ
Santa Maria, KFXC
South San Francisco, KFWI
Stockton, KWG
San Bernardino, KFWC

Colorado:
Boulder, KFAJ
Colorado Springs, KFXF
Denver, KFEL, KFXJ, KFUP, KFVR, KLZ, KOA
Greeley, KFKA
Gunnison, KFHA
Trinidad, KFBS

Connecticut:
Hartford, WTIC
New Haven, WDRC
Stores, WCAC

Delaware:
Wilmington, WHAV

District of Columbia:
Washington, WCAP, WMAL, WRC, WRHF

Florida:
Clearwater, WGHB
Fulford-by-the-Sea, WGBU
Jacksonville, WJAX
Miami, WQAM
Miami Beach, WIOD, WMBF
Pensacola, WCOA
St. Petersburg, WHBN, WJBB
Tampa, WDAE
Winter Park, WDBO

Georgia:
Atlanta, WDBE, WGST, WSB,
Macon, WMAZ
Savannah, WEBZ

Idaho:
Boise, KFAU, KFDD
Kellogg, KFEY

Illinois:
Batavia, WORD
Cambridge, WTAP
Carthage, WTAD
Chicago, KYW, WAAF, WBBM, WBBZ, WBCN, WEBH, WENR, WFKB, WGN, WHBM, WHT, WIBJ, WIBM, WIBO, WJAZ,

Illinois (Continued)
WKBG, WLIB, WLS, WLTS, WMAQ, WMBB, WOK, WPCC, WQJ, WSBC, WSWS
Decatur, WBAO, WJBL
Evanston, WEHS
Galesburg, WFBZ, WRAM
Harrisburg, WEBQ
Joliet, WCLS, WJBA, WKBB
La Salle, WJBC
Mooseheart, WJJD
Oak Park, WGES
Plainfield, WWAE
Rockford, KFLV
Rock Island, WHBF
Streator, WTAX
Sycamore, WJBN
Tuscola, WDZ
Urbana, WRM
Zion, WCBD

Indiana:
Anderson, WEBD, WHBU
Culver, WHBH
Evansville, WGBF
Fort Wayne, WHBJ, WOWO
Kokomo, WJAK
Indianapolis, WFBM
Laporte, WRAF
Logansport, WHBL, WIBW
South Bend, WSBT
Seymour, WFBE
Valparaiso, WRBC
West Lafayette, WBAA

Iowa:
Ames, WOI
Anita, KFLZ
Boone, KFGQ
Burlington, WIAS
Cedar Rapids, KWCR, WJAM
Clarinda, KSO
Council Bluffs, KOIL
Davenport, WOC
Des Moines, WHO
Fort Dodge, KFJY
Iowa City, KFQP, WSUI
LeMars, KWUC
Marshalltown, KFJB
Muscatine, KTNT
Oskaloosa, KFHL
Shenandoah, KFNF, KMA
Sioux City, KFMR, WEAU

Kansas:
Independence, KFVG
Junction City, KFJC
Lawrence, KFKU
Manhattan, KFVH, KSAC
Wichita, KFH, KFOT

Kentucky:
Louisville, WHAS, WLAP

Louisiana:
Kennonwood, KFDX, KWKH
New Orleans, WAAB, WABZ, WBBS, WCBE, WOWL, WSMB, WWL
Pineville, KFWU

Maine:
Bangor, WABI
Ellsworth, WHBK
Orono, WGBX
Portland, WCSH

Maryland:
Baltimore, WBAL, WCAO, WCBM, WFBR
Takoma Park, WBES

Massachusetts:
Boston, WBZA, WEEI, WNAB, WNAC, WSSH
Fall River, WSAR, WTAB
New Bedford, WNBH
South Dartmouth, WMAF
Springfield, WBZ
Taunton, WAIT

Massachusetts (Continued)
Webster, WKBE
Worcester, WCUW, WTAG

Michigan:
Bay City, WSKC
Berrien Springs, WEMC
Dearborn, WWI
Detroit, WCX, WGHP, WJR, WMBC, WWJ
East Lansing, WKAR
Flint, WFDF
Grand Rapids, WBDC, WOOD
Houghton, KFMW, WWAO
Lansing, WREO
Mt. Clemens, WABX
Owosso, WSMH
Petosky, WBBP
Port Huron, WAFD
Royal Oak, WAGM
Ypsilanti, WJBK

Minnesota:
Collegeville, WFBJ
Minneapolis, KFDZ, WAMD, WCCO, WHAT, WHDI, WRHM,
Northfield, KFMX, WCAL
St. Cloud, WFAM
St. Paul, AV7, KFOY
Sihtipok, KIAF
Welcome, KFVN

Mississippi:
Coldwater, WREC
Oxford, WCBH

Missouri:
Cape Girardeau, KFVS
Carterville, KFPW
Columbia, KFRU
Independence, KLDS
Jefferson City, WOS
Kansas City, KWKC, WDAF WHB, WOQ
Kirksville, KFKZ
Moberly, KFFP
St. Louis, KFQA, KFUO, KFWF, KMOX, KSD, WEW, WIL, WMAY, WSBF
University City, KFVE

Montana:
Havre, KFBB
Missoula, KUOM

Nebraska:
Clay Center, KMMJ
David City, KFOR
Hastings, KFKX
Lincoln, KFAB, KFAV
Norfolk, WJAG
Oak, KFEQ
Omaha, KOCH, WAAW, WNAL, WOAW
University Place, WCAJ

New Hampshire:
Laconia, WKAV

New Jersey:
Atlantic City, WHAR, WPG
Camden, WFBI
Elizabeth, WIBS
Gloucester City, WRAX
Lambertville, WTAZ
Newark, WAAM, WNJ, WOR
North Plainfield, WEAM
Paterson, WODA
Red Bank, WJBI
Trenton, WOAX

New Mexico:
Albuquerque, KFLR, KFVY
State College, KOB

New York:
Bay Shore, WRST
Buffalo, WEBR, WGR, WJBP
Canton, WCAD
Cazenovia, WMAC

New York (Continued)
Flushing, WIBI
Freeport, WGBB
Ithaca, WEAI
Jamestown, WOCL
Kingston, WDBZ
Lockport, WMAK
New York, WBBR, WBNP, WEAF, WEBJ, WFBH, WFRL, WGBS, WGCP, WHAP, WHN, WJY, WJZ, WLWL, WMCA, WNYC, WOKO, WQAO, WRMU, WRNY, WSDA
Richmond Hill, WAHG, WBOQ, WFBL, WGMU, WWGL
Rochester, WABO, WHAM, WHEC
Schenectady, WGY
Syracuse, WFBL
Tarrytown, WRW
Tondi, WONK
Troy, WHAZ
Utica, WIBX

North Carolina:
Asheville, WABC
Charlotte, WBT, WJBG
Fort Bragg, AT9
Raleigh, WRCO

North Dakota:
Bismarck, KFYR
Devils Lake, KDLR
Fargo, WDAY, WPAK
Grand Forks, KFJM

Ohio:
Akron, WADC
Bellefontaine, WHBD
Canton, AQ6, WHBC
Cambridge, WEBE
Cincinnati, WAAD, WKRC, WLW, WSAI
Cleveland, WDBK, WEAR, WHK, WTAM
Columbus, WAIU, WEAO, WMAN
Dayton, AW5, WSMK
Hamilton, WRK, WSRO
Pomeroy, WSAZ
Springfield, WCSO
Toledo, WABR, WTAL
Wooster, WABW
Yellow Springs, WRAV

Oklahoma:
Bristow, KVOO
Chickasha, KOCW
Norman, WNAD
Oklahoma City, KFJF, KFXR, WKY
Tulsa, WLAL

Oregon:
Astoria, KFJI
Corvallis, KOAC
Portland, KFEC, KFIF, KFJR, KFWV, KGW, KQP, KTBR

Pennsylvania:
Allentown, WCBA, WSAN
Altoona, WFBG
Elkins Park, WIBG
Grove City, WSAJ
Harrisburg, WABB, WBAK, WHBG, WPRC
Haverford, WABQ
Johnstown, WHBP
Lancaster, WDBC, WGAL
Lewisburg, WJBQ
Oil City, WHBA
Parkesburg, WQAA
Philadelphia, WABY, WCAU, WFBD, WFI, WHBW, WIAD, WIP, WLIT, WNAT, WOO, WWAD
Pittsburgh, KDKA, KQV, WCAE, WJAS

Pennsylvania (Continued)
Reading, WRAW
Scranton, WGBI, WQAN
State College, WPSC
Wilkes-Barre, WBAX, WBRE

Rhode Island:
Cranston, WDWF
Providence, WCBR, WCWS, WEAN, WGBM, WJAR, WLSI

South Carolina:
Charleston, WBBY

South Dakota:
Brookings, KFDY
Rapid City, WCAT
Vermillion, KUSD
Yankton, WNAX

Tennessee:
Chattanooga, WDOD
Knoxville, WFBC, WNOX
Lawrenceburg, WOAN
Memphis, WGBC, WHBQ, WMC
Nashville, WCBQ, WDAD, WSM

Texas:
Amarillo, WDAG
Austin, KUT
Beaumont, KFDM, KFXM
Beeville, KFRB
Brownsville, KWWG
College Station, WTAW
Dallas, WFAA, WRR
Dublin, KFPL
El Paso, KFXH, WDAH
Fort Worth, KFQB, KFJZ, WBAP
Galveston, KFLX, KFUL
Greenville, KFPM
Houston, KFVI, KFYJ, KPRC
San Antonio, WOAR, WOAI
San Benito, KFLU
Texarkana, KFYO
Waco, WJAD

Utah:
Logan, KFXD
Ogden, KFUR, KFWA
Salt Lake City, KDYL, KFOO, KFUT, KSL

Vermont:
Burlington, WCAX
Springfield, WQAE

Virginia:
Norfolk, WBBW, WTAR
Radio, NAA
Richmond, WBBL, WRVA
Roanoke, WDBJ

Washington:
Everett, KFBL
Lacey, KGY
North Bend, KFQW
Olympia, KFRW
Pullman, KWSC
Seattle, KFOA, KJR, KTCL, KTW
Spokane, KFPY, KHQ
Tacoma, KMO
Walla Walla, KOWW
Yakima, KFIQ

West Virginia:
Weirton, WIBR

Wisconsin:
Beloit, WEBW
Camp Lake, WCLO
Fond du Lac, KFIZ
Madison, WHA, WIBA
Marshfield, WGBR
Milwaukee, WHAD, WKAF, WSOE
Osseo, WTAQ
Poynette, WIBU
Sisiht, WBAR
Stevens Point, WLBL
Superior, WEBC

Wyoming:
Laramie, KFBU

Alaska:
Anchorage, KFQD
Juneau, KFIU

Hawaii:
Honolulu, KGU

Philippine Islands:
Baguio, KZUY
Manila, KZIB, KZKZ, KZRQ

Porto Rico:
San Juan, WKAQ

Canada:
Burketon Junction, CKCW
Burnaby, CJKC
Calgary, CFAC, CFCN, CNRC
Charlottetown, CFCY
Edmonton, CFCK, CJCA, CNRE
Hamilton, CFCU, CHCS, CKOC
Iroquois Falls, CFCH
Kingston, CFMC, CFRC
London, CJGC
Moncton, CNRA
Montreal, CFCF, CHYC, CKAC, CNRM
New Westminster, CFXC, CFYC
Ottawa, CHXC, CKCO, CNRO
Regina, CKCK, CNRR
Saskatoon, CFQC, CHUC, CJWC, CNRS
Thorold, CFKC
Toronto, CFCA, CHIC, CHNC, CJBC, CJCD, CJSC, CJYC, CKCL, CKNC, CNRT
Unity, CHSC
Vancouver, CFCQ, CFDC, CKCD, CKFC, CNRV
Victoria, CFCT
Winnipeg, CKY, CNRW

Cuba:
Camaguey, 6YR, 7AZ, 7BY, 7CX, 7DW, 7SR
Santa Clara, 6BY, 6DW, 6EV, 6GR, 6GT, 6HS, 6JQ
Colon, 5EV
Havana, PWX, Q2LC, 1AZ, 2AB, 2BB, 2BY, 2CG, 2CX, 2EP, 2HP, 2JL, 2JP, 2LR, 2MG, 2MK, 2OK, 2OL, 2PK, 2RK, 2RM, 2RY, 2SZ, 2TW, 2UF, 2WW, 2XX
Mantanzas, 5AZ, 5BY
Santiago, 8AZ, 8BY, 8FU, 8IR, 8JQ
Tuinucu, 6XJ, 6KW

France:
Lyons, YN, Radio-Lyon
Paris, FPTT, Le Petit Paris

Great Britain:
Aberdeen, 2BD
Belfast, 2BE
Birmingham, 5IT
Bournemouth, 6BM
Bradford, 2LS
Cardiff, 5WA
Daventry, 5XX
Dundee, 2DE
Edinburgh, 2EH
Glasgow, 5SC
Hull, 6KH
Leeds, 2LS
London, 2LO
Manchester, 2ZY
Newcastle, 5NO
Nottingham, 5NG
Plymouth, 5PY
Sheffield, 6FL
Stoke-on-Trent, 6ST

Mexico:
Chihuahua, CZF
Mazatlan, CYR
Mexico City, CYA, CYB, CYG, CYH, CYL, CYX, CYZ, CZA, CZE, XDA
Monterey, CYS
Oaxaca, CYF

STATION SCHEDULES

(Continued from last week)

CKCD, Vancouver, B. C., Can. 410.7m-730kc. 750 watts. Vancouver Daily Province. Announcer, William Rose. Slogan, "Canada's Western Gateway." Daily ex Sun, 8:30-9:30 pm, music, news, entertainment. Pacific.

CKCK, Regina, Sask., Can. 312.3m-960kc. 500 watts. Leader Pub. Co. Announcer, A. W. Hooper. "The Queen City of the West." Daily ex Sat, Sun, Tues, 9:45-10:30 am; 1-1:45 pm; 7:30-8:15, music, news, markets. Tues, 9:45-10:30 am; 1-1:45 pm; (CNRR) 8-10 pm. Sat, 9:45-10:30 am; 1-1:45 pm. Sun, 9 pm, service. Mountain.

CKCL, Toronto, Can. 356.9m-840kc. 500 watts. The Dominion Battery Co., Ltd. Daily ex Sat, Sun, 10:30 am; 3-4:30 pm. Daily ex Sat, 11 am, time. Mon, Wed, Fri, 7 am, 7:15, 7:45, exercises. Tues, 7-11:30 pm. Alternate Thurs, 7-8 pm, Sat, 7-8 pm. Sun, 3-4:30 pm. Eastern.

CKCO, Ottawa, Ont., Can. 434.5m-690kc. 100 watts. Dr. G. M. Geldert (Ottawa Radio Assn.) Announcer, Dr. O. K. Gibson. Slogans, "Ottawa's Radio Voice." "The Community Voice of Canada's Capital." Tues, 8-10 pm. Sun, 7 pm, services; 9, sacred concert. Eastern.

CKCW, Burketon Junction, Ont., Can. 329.5m-910kc. 5,000 watts. Canadian Broadcasting Corp.

CKFC, Vancouver, B. C., Can. 410.7m-730kc. 50 watts. First Congregational church.

CKNC, Toronto, Ont., Can. 356.9m-840kc. 900 watts. Canadian National Carbon Co., Ltd. Mon, 8-12 mid. Sat, 4-5 pm; 8-10. Eastern.

CKOC, Hamilton, Ont., Can. 340.7m-880kc. 50 watts. Wentworth Radio Supply Co., Ltd. Announcer, F. May. Slogan: "In the Garden of Canada." Mon, Sat, 6:15-7:15 pm, organ. Tues, Wed, Thurs, 5:30-6:30 pm. Fri, 6-7 pm. Sat, 4:30-5:30 pm. Sun, 2-3 pm. Eastern.

CKY, Winnipeg, Man., Can. 384.4m-780kc. 500 watts. Manitoba Tel. System. Announcer, D. R. P. Coats. Slogan, "Manitoba's Own Station." Daily ex Sun, 10:50-11 am, time, weather; 12:30-1:30 pm, music, lectures, livestock; 2:15 pm, grain markets; 4-5, news, kiddies story. Mon, Thurs, Sat, 8 pm, lecture; 8:30, music. Wed, 7:30 pm, CNRW program. Sun, 7 pm. Central.

CNRA, Moncton, N. B., Can. 291.1m-1030kc. 500 watts. Canadian National Railways. Announcer, W. V. George. Slogan, "Voice of the Maritimes." Daily ex Sun, 2:45-3:45 pm. Tues, 7:30 pm. Fri, 9 pm. Atlantic.

CNRC, Calgary, Alta., Can. 435.8m-688kc. 750 watts. Canadian National Railways. Thurs, 7 pm, bedtime story; 9-11. Mountain.

CNRE, Edmonton, Alta., Can. 516.9m-580kc. 500 watts. Canadian National Railways. Fri, 7:30-8 pm, 8:30-10:30. Mountain.

CNRM, Montreal, Que., Can. 410.7m-730kc. 1,000-1,650 watts. Canadian National Railways. Announcer, J. S. McArthur. Thurs, 8:30 pm. Eastern.

CNRO, Ottawa, Can. 434.5m-690kc. 500 watts. Canadian National Railways. Announcer, A. W. Ryan. Wed, Sat, 7:30 pm, markets, bedtime story; 8, 9, 10:30, dance program. Eastern.

CNRR, Regina, Sask., Can. 475.9m-630kc. 500 watts. Canadian National Railways. Tues, 8-10 pm. Mountain.

CNRS, Saskatoon, Sask., Can. 329.5m-910kc. 500 watts. Canadian National Railways. Daily, 2:30-3:30 pm. Mountain.

CNRT, Toronto, Ont., Can. 356.9m-840kc. 500 watts. Canadian National Railways. Announcer, E. W. Jackson. Fri, 6:30-12 midnight. Eastern.

CNRV, Vancouver, Can. 291.1m-1030kc. 500 watts. Canadian National Railways. Announcer, G. A. Wright.

CNRW, Winnipeg, Man., Can. 384.4m-780kc. 500 watts. Canadian National Railways. Wed, 7:30 pm, bedtime story, farmers' talk; 8, dinner concert; 8:30, studio; 10, dance. Central.

Cuba

PWX, Havana, Cuba. 400m-750kc. 500 watts. Cuban Telephone Co. International Tel. & Teleg. Corp. Mon, Tues, Fri, Sat, 8:30-11pm. Wed, Sun, 8-10 pm, music. Eastern.

Q2LC, Havana, Cuba. 250m-1200kc. 50 watts. Luis Casas.

1AZ, Havana, Cuba. 275m-1090kc. 5 watts. Antonio Sarasola.

2AB, Havana, Cuba. 235m-1277kc. 10 watts. Alberto S. Bustamante.

2BB, Havana, Cuba. 255m-1176kc. 15 watts. Bernardo Barrie.

2BY, Havana, Cuba. 315m-952kc. 100 watts. Electrical Equipment Co. of Cuba. Mon, Thurs, 7-8 pm. Eastern

2CG, Havana, Cuba. 350m-857kc. 15 watts. Humberto Giquel.

2CX, Havana, Cuba. 320m-937kc. 10 watts. F. W. Borton.

2EP, Havana, Cuba. 355m-845kc. 400 watts. El Pais.

2HP, Havana, Cuba. 295m-1016kc. 100 watts. Credito y Construcciones Co.

2JL, Havana, Cuba. 275m-1090kc. 5 watts. Jose Leiro.

2JP, Havana, Cuba. 270m-1110kc. 20 watts. Julio Power.

2LR, Havana, Cuba. 235m-1277kc. 10 watts. Jose Lara.

2MG, Havana, Cuba. 280m-1070kc. 20 watts. Manuel Y. Guillermo Salas Music Store. Announcer, Roger Morales. Daily, 3-4 pm, music. One day each week, 8-11 pm. Eastern.

2MK, Havana, Cuga. 85m-3528kc. 20 watts. R. V. Waters.

2OK, Havana, Cuba. 360m-833kc. 100 watts. Mario Garcia Velez.

2OL, Havana, Cuba. 300m-1000kc. 100 watts. Columbus Cycle Radio Co.

2PK, Havana, Cuba. 195m-1538kc. 10 watts. George A. Lindeaux.

2RK, Havana, Cuba. 310m-967kc. 100 watts. Raoul Karmon. Casa De La Ponte.

2RM, Havana, Cuba. 210m-1430kc. 10 watts. Rogelio Morales.

2RY, Havana, Cuba. 170m-1764kc. 5 watts. Salvador de la Torre.

2SZ, Havana, Cuba. 180m-1777kc. 10 watts. Homero Sanchez.

2TW, Havana, Cuba. 230m-1304kc. 26 watts. Roberto E. Ramirez.

2UF, Havana, Cuba. 265m-1132kc. 10 watts. Roberto E. Ramirez.

2XX, Havana, Cuba. 150 meters. 5 watts. Antonio A. Ginard.

5AZ, Mantanzas, Cuba. 200m-1500kc. 20 watts. Ernesto V. Figueroa.

5BY, Mantanzas, Cuba. 190m-1580kc. 10 watts. Leon Gonzalez Velez.

5EV, Colon, Cuba. 360m-833kc. 10 watts. Leopoldo V. Figueroa. Sun. 9-11 pm. Eastern.

6BY, Santa Clara, Cuba. 260m-1153kc. 200 watts. Jose Ganduxe.

6DW, Santa Clara, Cuba. 225m-1333kc. 10 watts. Eduardo Terry.

6EV, Santa Clara, Cuba. 250m-1200kc. 100 watts. Maria Josefa Alvares. Daily, 10:30 pm.

6GR, Santa Clara, Cuba. 250m-1200kc. 10 watts. Luis del Castillo.

6GT Santa Clara, Cuba. 190m-1580kc. 5 watts. Juan Pablo Ros.

6HS, Santa Clara, Cuba. 200m-1500kc. 10 watts. Santiago Ventura.

6JQ, Santa Clara, Cuba. 250m-1200kc. 10 watts. Eligio Cobelo Ramirez.

6KW, Tuinucu, Cuba. 338m-890kc. 4,000 watts. Frank H. Jones. Slogan, "If You Hear the Koo of the Cuckoo You Are in Tune with Tuinucu." Daily 11:30-12:15 am. Eastern.

6XJ, Tuinucu, Cuba. 275m-1090kc. 100 watts. Frank H. Jones.

6YR, Camaguey, Cuba. 200m-1500kc. 20 watts. Diego Ibarra.

7AZ, Camaguey, Cuba. 225m-1333kc. 10 watts. Pedro Nogueras.

7BY, Camaguey, Cuba. 235m-1277kc. 20 watts. Eduardo V. Figueroa.

7CX, Camaguey, Cuba. 85m-3528kc. 10 watts. Leonard B. Fox.

7DW, Camaguey, Cuba. 90m-3333kc. 10 watts. M. L. Quintana.

7SR, Camaguey, Cuba. 300m-1000kc. 500 watts. Salvador C. Rionda. Slogan, "Cuba, the Land of Sunshine, Sugar and Tobacco." Mon, Tues, Thurs, 8:30 pm. Eastern.

8AZ, Santiago, Cuba. 240m-1250kc. 20 watts. Alfredo Brooks.

8BY, Santiago, Cuba. 250m-1200kc. 100 watts. Alberto Ravelo.

8FU, Santiago, Cuba. 225m-1333kc. 15 watts. Andres Vinent.

8IR, Santiago, Cuba. 190m-1580kc. 20 watts. Ceferino Ramos.

8JQ, Santiago, Cuba. 275m-1090kc. 20 watts. Jose Fernandez Heredia.

France

FPTT, Paris, France. 458 meters. 450 watts. Superior School P. T. T. Announcer, M. Chanton.

YN, Lyons-la-Doua, France. 340 meters. French Government.
Lyons, Radio-Lyon, 284 meters. 600 watts.
Paris, Le Petit Parisien. 345 meters. 450 watts.

Great Britain

2BD, Aberdeen, Scot. 495 meters. 1,500 watts. British Broadcasting Co. Announcer, H. M. Fitch.

2BE, Belfast, Ireland. 438 meters. British Broadcasting Co., Ltd. Announcer, W. T. Guthrie. Commander, A. Pelham.

2DE, Dundee, Scot. 330.5 meters. British Broadcasting Co.

2EH, Edinburgh, Scot. 324.5 meters. British Broadcasting Co.

2LO, London, Eng. 365 meters. 3,000 watts. British Broadcasting Co., Ltd.

2LS, Leeds and Bradford, Eng. 342 and 308 meters. British Broadcasting Co., Ltd.

2ZY, Manchester, Eng. 377.5 meters. British Broadcasting Co.

5IT, Birmingham, Eng. 477.5 meters. British Broadcasting Co.

5NG, Nottingham, Eng. 326 meters. British Broadcasting Co.

5NO, Newcastle, England. 403.5 meters. British Broadcasting Co.

5PY, Plymouth, Eng. 338 meters. 200 watts. British Broadcasting Co., Ltd. Announcer C. C. N. Wallich.

5SC, Glasgow, Scot. 122 meters. British Broadcasting Co.

5XX, Daventry, Eng. 558 meters. British Broadcasting Co.

5WA, Cardiff, Wales. 353 meters. British Broadcasting Co.

6BM, Bournemouth, Eng. 386 meters. British Broadcasting Co.

6FL, Sheffield, Eng. 301 meters. British Broadcasting Co.

6KH, Hull, Eng. 334.5 meters. British Broadcasting Co.

6LV, Liverpool, Eng. 311.5 meters. British Broadcasting Co.

6ST, Stoke-on-Trent, Eng. 301.5 meters. British Broadcasting Co.

Mexico

CYA, Mexico City, Mex. 265m-1130kc. 500 watts. Mon, Fri, 6:45-8 pm. Sun, 4-6 pm. Partido Liberal Avanzado. Mexican.

CYB, Mexico City, Mex. 270m-1110kc. 500 watts. El Buen, Tono. Tues, Thurs, Sat, 7:30-9 pm, concert. Mexican.

CYF, Oaxaca, Oax., Mex. 260m-1153kc. Federico Zorrilla. "The Voice from South of Mexico." Tues, Thurs, 7-8 pm. Sun, 8:30-10 pm. Mexican.

CYG, Mexico City, Mex. 300m-1000kc. 1,000 watts. Secretara de Guerra y Marina.

CYH, Mexico City, Mex. 325m-923kc. 100 watts. High Life. Slogan, "Los Proveedores del Caballero Que Viste Bien." Announcer, Jorge Chulia Mallet. Fri, 8:30-10 pm. Mexican.

CYL, Mexico City, Mex. 480m-625kc. 500 watts. La Casa del Radio. Announcer, George Marron. Slogan, "The Land of Eternal Summer." Daily ex Sun, 1:30-2 pm, weather, financial reports, music. Tues, Fri, 8-9:30 pm. Sun, 8-9:30 pm, church. Mexican.

CYR, Mazatlan, Sin., Mex. Rosseter Y Cia.

CYS, Monterey, Mexico. 408m-6029kc. 250 watts. Tarnava & Cia. Slogan, "The Industrial Center of the Mexican Republic." Daily and Sun, 7:55-8:05 pm. Mon, 8-9:30 pm. Mountain.

CYX, Mexico City, Mex. 333m-900kc. 500 watts. Excelsior & Cia. Parker. Announcer, Rafael Hernandez dez Dominguez. Slogan, "Land of the Aztecs." Mon, 8-9:30 pm. Fri, 8:30-9:30 pm. Mexican.

CYZ, Mexico City, Mex. 400m-750kc. Liga Central Mexicana de Radio. Mexican.

CZA, Mexico City, Mex. 70-500-1,070 meters. Aviation Dept., War Ministry. Announcer, Ricardo S. Bravo. Daily, 12:30-1 pm, time, weather, news; 6:30-7:30, time, markets, music. Mexican.

CZE, Mexico City, Mex. 350 meters. 500 watts. Secretary Public Education. Daily ex Sun, 8 pm. Mexican.

CZF, Chihuahua City, Mexico. 310m-967kc. 250 meters. Announcer, C. A. Nieto. Slogan, "United by Radio." Tues, 8-9:30 pm. Mountain.

XDA, Mexico City, Mexico. Variable wave. 4,000 watts. Government station. Slogan, "Radio Chapultepec." Mexican.

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A SIMPLE solution for so big a result! Want band music? Try KDKA. Jazz? Theatricals? Maybe you'll find it at WBZ, KYW or KFKX. What your local stations won't provide can be obtained easily from somewhere else.

How well you receive radio entertainment depends upon the condition of your batteries —*and that's up to you.* With a Westinghouse Rectigon on the job both your "A" and "B" batteries can be kept fully alive to the greatest possibilities of your set.

And it's easy as can be. Just snap on the cords and turn on the current. There's no muss or fuss; no acids; no chemicals, and no noise. The Rectigon more than pays for itself within a short time.

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MAR 20 1926

Solve $500 Mystery Story on Page 6

Radio Digest

EVERY WEEK Illustrated TEN CENTS

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Indian Chants Basis of American Music; Opportunity Brings WMBB Owner Millions; 1926 Model Four-Filter Super; Women's Programs; Eighteen Stations Give S O S Play

I WON'T BLOOP CLUB IS GETTING RESULTS

LEARN TO OPERATE SET AND HELP CLEAR AIR

Stacks of Pledge Cards Evidence Co-operation of Stations, Clubs, Newspapers and Listeners

As the I WON'T BLOOP CLUB was organized as a medium through which Radio listeners in could receive education in the operation of receivers and through the appliance of the education received and by cooperation reduce preventable interference, immediate results were hardly expected. It will take some time before the air will be cleared of the blooper pest, but the response to the campaign of the Radio Digest for unified action by the listeners themselves has been a revelation. The movement has not only been welcomed but has been enthusiastically received by the fans of both the United States and Canada.

On the Pacific coast, where the word "bloop" has never been used to any extent to specify the dial interference, the campaign has acquainted the section with the name and is uniting the listeners in an endeavor to eliminate that form of interference. A meeting of the Radio Trades Association of Southern California is to be given over to the discussion of ways and means the dealer can use to help eliminate the blooper.

Broadcasting stations, newspapers and listeners' clubs with charters in the I Won't Bloop club are mailing stacks of pledge cards to the Radio Digest each day and, along with scores of individuals, offering suggestions as to methods and helpful hints in limiting interference. A great many demands have been received for the complete series of articles being run in the Radio Digest on "How to Eliminate Blooping and Man-Made Static." Altogether, the cooperation is well organized and it remains for the members of the club to apply the knowledge in operation gained and fulfill the pledges made as applications for membership in the club.

Have You Done Your Part?

Are you willing to cooperate with your neighbor for your mutual advantage? Are you willing to learn the correct operation of your type of receiver? Do you know whether or not you are causing interference? Have you filled out the pledge card printed at the top of this page? If you have not applied for membership in the I Won't Bloop club, do so today. Get your friend and have him join with you. Study the anti-bloop articles appearing in this magazine; learn the causes of blooping and operate your set to prevent it. Then you will be doing your part toward clearing the air for better Radio reception.

Test Your Set

H. J. K. suggests that owners of Radio receivers make the following test to determine if their sets bloop. Tune in some station and then turn up your rheostat or manipulate your regenerative control until the tube is in oscillation and the set starts to howl. Then shut off the set and get in touch with some friend and ask him to tune in the same station while you tune. If he gets a squeal you can be assured that your set is blooping. If you are, correct it.

Be a regular fellow and do your share.

Broadcast River Stages

CINCINNATI.—Reports of the stages of the Ohio river will be broadcast from Crosley WLW here at 10:00 every morning except Sunday when it will be given at 10:30 a. m. Central time.

DUNCAN SISTERS ON THIS WEEK'S COVER

THREE guesses as to the individuals who compose our "Study in Black and White" on the Radio Digest cover this week.

Hush! Wait a minute! You are all correct, the whole million of you!

Of course, one guess was enough, it could have been none other than those inimitable darlings, the Duncan sisters, Vivian and Rosetta.

They are regaling Philadelphia audiences with their big musical hit, "Topsy and Eva." Sometimes they sing to the Radio audiences of WLIT, which furnished the picture on the cover. Rosetta says the microphone always gives her a thrill. She likes to announce as well as do her regular stuff. Rosetta takes the piano to give the regular accompanist a rest when they are guests of the studio. Other members of their cast also have participated in the WLIT programs. You probably know that Vivian plays "Eva" and Rosetta "Topsy."

PLEDGE CARD **Radio Digest** PROGRAMS Illustrated I WON'T BLOOP CLUB

Reg. U. S. Pat. Off. & Dom. of Canada

I pledge myself to operate my Radio set to reduce radiation or blooping. If I am unable to make my present set operate properly, I further pledge myself to replace it with a receiver that will create less interference.

Make of my set:

Number of tubes is:

Signature .....

Address .....

City and State.....

I am cooperating in this campaign with Station.....

Upon mailing this pledge to Radio Digest, "I Won't Bloop Club" membership card suitable for wallet or framing will be issued.

Broadcast Experiences of Deep-Sea Divers in Sydney

SYDNEY, Australia.—A recent novelty, so far as Australia was concerned, was the broadcasting of the experiences of a couple of divers on the bed of Middle Harbor, Sydney, seventy feet under water. One of the divers was a professional and the other a member of the Royalty society who took the dive in the interests of scientific knowledge.

Milwaukee Elks' Minstrel Show Broadcast by WSOE

MILWAUKEE, Wis.—WSOE, the school of engineering station, recently broadcast by remote control the annual minstrel show of the Benevolent Order of Elks held at their club house. A three-hour performance was held, with choristers, end men and Chauncey Yockey, interlocutor. The show was arranged by the Wisconsin News.

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Looking Ahead

Radio Apparatus Manufacturers Estimate That There Are Now 20,000,000 people in the United States who may be listed as regular listeners in. There are about 550 broadcasting stations. Uncle Sam has to keep a ministrative eye over the common rights and welfare of this large population and has delegated the job to Secretary Hoover. Read about Hoover here next week.

Hard Working Housewives Who Have Little Time to Visit beauty parlors and sanatoriums, but still desire to appear lovely to the eye of the man of the house, are finding much comfort and a measure of practical advice through a series of triweekly matinees with experts at the microphone of KOA, Denver. Read how it is worked out in the next issue of Radio Digest.

Radio Stations Now Broadcasting the Dramatization of the Radio Digest especially written serial, "A Step On the Stairs," comprise the strongest league of American stations ever brought together to handle a single feature. The story grows. Situations are becoming more and more complex and mystifying. Don't fail to read the fourth installment next week.

The Second Article on the Four-Filter Super which appears in next week's issue, goes into the laying out and drilling of the panel, sub base and shields. The alterations necessary in some of the parts to adapt them perfectly to this outfit, which is the technical editor's own set, are gone into also.

The Campaign Against Blooping and Man-Made Static, of which the series running in current issues is the backbone, has now covered blooping from all angles and reaches the locating and eliminating of electrical interference as evidenced by hums, clicks, buzzes and hisses. If bothered by some such unknown trouble, these coming articles will enable you to help receiving conditions in your neighborhood a great deal.

Newsstands Don't Always Have One Left

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NEWS BRIEFS FROM THE BROADCASTERS

GAY MUSIC OF "PINK LADY" KGO DRAMATIC EVENT

Rotary Boys Band at WTIC—WRC Chooses Champion Fiddler—French Songs at WJZ

The famous musical comedy success, "The Pink Lady," the story of which is based on the French farce, "The Satyr," will be produced over KGO, Saturday night, March 20, at 8 p. m. Pacific time. Carl Anderson, of the KGO staff, will direct the production before the microphones.

* *

WTIC will offer a program by the Rotary Boys band of fifty pieces at 8:30 p. m., Saturday, March 13. This band is sponsored by the Hartford Rotary club and is under the leadership of William Tasillo, director of the Cinderella Ballroom orchestra.

* *

Through contests at WRC, Washington, D. C., the champion fiddler of the Middle Atlantic states has been chosen. "Uncle Am" Stuart of Bristol, Virginia, is ready to match his honors against all comers.

* *

One of the bright spots in WJZ's program last week was the recital of French songs by the internationally known soprano, Madame Adele Bliss.

* *

"An Hour in the Shadow of the Shamrock" is the title under which the WLW instrumental trio and the Crosley male quartet will present a program through WLW, Cincinnati, Wednesday, March 17, at 10 p. m. Central time. Another St. Patrick's Day celebration to be broadcast through WLW will be the entertainment features of the Irish Fellowship club, which will be picked up from the Hotel Gibson roof garden from 6 to 10. Johanna Grosse, studio organist of the WLW staff will also provide a program of Irish melodies during her concert which begins at 11 p. m.

* *

A replica of a musical program broadcast through Station WL of Olso, Norway, will be sent into the air through WLW, Cincinnati, Tuesday evening, March 16, by the Formica concert orchestra, under the direction of William C. Stoess.

* *

Jazz specialties, trick songs, blues, fox-trot ballads and a liberal sprinkling of old-fashioned waltz numbers are now being given the ethereal right-of-way in a late dance program at KOA every Wednesday evening, featuring Eber Grubb's Broadmoor Rhythm Rustlers.

* *

Frances G. Weller, whose name became well known through her work at Station KQV, Pittsburgh, has given up her Radio work for the time being. She will write critical articles for the Musical Forecast.

* *

Songs of the South interspersed with the very latest popular dance tunes are put into the air nightly by WSM, Nashville, Tennessee, when Francis Craig and his orchestra open the regular evening broadcasting period with their dinner concert from Hotel Hermitage.

* *

An outstanding feature among the Radio programs of Chicago broadcasting stations is the new Chicago theater concert ensemble, heard every Sunday over WGN, during the Chicago theater Sunday noon musical hour.

* *

The little golf bug is beginning to bite. Many Radio devotees will want to hear Archie Simpson, professional of the Clovernook Country club and instructor in the Business Men's club, Cincinnati, tell how to play the game. He will give fifteen-minute talks every Thursday evening at 6 p. m. Central time, through WLW.

* *

Harry Jenson's Night Hawks, known in southern Connecticut as the Palais Royal orchestra, now broadcasts Friday evenings at WTIC, from 11 p. m. to midnight. This orchestra needs little or no introduction to Connecticut fans.

* *

WJAZ, Chicago, is varying its program to please all listeners by devoting two nights a week, Wednesdays and Saturdays, to continuous dance music from the Opera club.

* *

The famous Hindoo poet, philosopher and lecturer, Dhan Gopal Mukerji, gave a dramatic talk at WMC, Memphis, last week. "The Spirit of the Jungle," was the subject of the lecture. Mr. Mukerji, whose home is in Calcutta, is a graduate of several universities.

WILL FORECAST RADIO RECEPTION

DOES BROADCASTING HURT BOX OFFICES?

MANAGERS OF THEATERS ANSWER PRO AND CON

Shubert Interests Defend Broadcasting As Aid in Increasing Receipts Of Productions

NEW YORK.—Does broadcasting a play hurt the box office receipts? That is the question that theatrical managers have been asking themselves for some time. Their answers have been both pro and con. Now the Shubert interests have come out in the defense of broadcasting.

Early in October, Lee and Jake Shubert permitted WJZ to broadcast their play "The Student Prince." The week following the broadcasting of the play, the receipts fell off, but, it did the same at the other theaters, so it was not traceable to broadcasting. However, after two weeks, the advance sale of seats began to jump until the house was sold out each week.

Try It on "Princess Flavia"

The road companies of the show did a tremendous business, all of which was traceable to the fact that the Student Prince was broadcast and people throughout the country heard it.

Now, after four months, the Shubert brothers have again broadcast another of their plays. This time it was the show "Princess Flavia," starring in the leading role Evelyn Herbert, daughter of the late Victor Herbert, who was known for his music in numerous musical comedy and operetta scores.

The play was broadcast through WJZ here on March 7, from the studio of WJZ. At the present time, the mail received indicates, the box office receipts will increase instead of falling down. Perhaps after all this success on the air, other skeptical theatrical managers will permit their shows to be broadcast.

222,000 TELEGRAMS GREET KFNF PARTY

Anniversary Celebration Features Continuous Program Lasting Thirty-Four Hours

SHENANDOAH, Ia.—If telegrams are an indication of popularity, then KFNF, the Henry Field Seed Company station here, must be one of the most popular stations in the country, for on its recent anniversary celebration, featuring a continuous program lasting thirty-four hours, over 222,000 telegrams were received.

And they are still coming in! In addition, the letters have been keeping the Shenandoah post office busy, and no effort has been made to count them.

The anniversary program began at noon one day and continued through to 10 p. m. the next night. Over ten thousand people visited the KFNF studios during the two days.

Transportation Clause Threatening Radio Bill

Believe Commerce Restrictions May Prove Stumbling Block

WASHINGTON.—Considerable talk and speculation has resulted from the amendments to the White Radio bill by the merchant marine and fisheries committee among members of the house and officials of the government connected with Radio activities.

The prevailing opinion is that Section 4, which prevents the transportation in interstate commerce of Radio apparatus or tubes upon which restrictions are placed, may be the cause of considerable discussion and perhaps be a serious stumbling block in the way of passage of the bill.

The White bill has been placed on the house calendar where it would take its turn among a large number of other bills. It is the hope of Representative White that a special rule may be obtained for the immediate consideration of the Radio bill.

Karolus Cell Trials Held

BERLIN.—Trials of the Karolus cell process of telephoto-transmission are being made at present between Berlin and Leipzig, daily.

BLIND PIANIST GETS REPERTOIRE BY AIR

PHILLIPSBURG, Kansas.—Although George Newell is totally blind, he is able to keep abreast of the musical times and satisfactorily fill the difficult position of pianist in a motion picture theater, here. Through long practice, he is able to memorize a composition at one hearing, and he writes that each evening after the show is over, he goes home and listens to Station KFI. By this method he keeps his repertoire up to date.

RADIO FIRST TO INTRODUCE STAR

Radio scored a decided "scoop" over moving pictures recently when, two nights after she had created a sensation with the Metropolitan Opera at New York, Miss Marion Talley, 19-year-old Kansas City girl, was introduced and "shown" to the Radio audiences through WJZ and a number of other stations throughout the country.

DONATE RECEIVERS TO HOMES FOR DISABLED

Listeners to Station WGCP Asked to Name Institutions

NEWARK, N. J.—The Splitdorf Electrical company of this city has announced its intention of donating ten complete Radio installations to ten deserving institutions for disabled aged or sick, the presentations to be made on April 15.

In order that these ten sets might go to the most deserving homes, the Splitdorf company is asking listeners of Station WGCP to pick the institutions which will benefit most from the use of the sets.

Spokane Fights Interference

SPOKANE, Wash.—The Radio Listeners association here is planing a series of conferences with Spokane's wholesale and retail Radio dealers for the purpose of obtaining their cooperation in the association's campaign for elimination of interference, according to an announcement by Dr. C. Hale Kimble, president.

Judge Has "Revenge" On Radio Announcer

Broadcaster of Time Signals Finds No Judicial Leniency

WASHINGTON, D. C.—Revenge is sweet, especially when it can be brought about in a perfectly legally constituted manner.

This is the opinion of Judge John P. McMahon, ardent Radio enthusiast, who was presiding over traffic court when Walter C. Myers, broadcaster of the Arlington time signals from NAA, was brought before him to answer to charges of speeding.

Myers admitted exceeding the speed limit, but stated that he was hurrying to the broadcasting station to start the ten o'clock signals.

Judge McMahon told the defendant that many people would not care if he never got there to interrupt the political and musical programs that are on the air at that hour. Thereupon the magistrate imposed a fine of $15.

GOVERNMENT IS WORKING ON PLANS TO GIVE OUT REPORTS

Station WCAJ Pioneering in Effort and Bureau of Standards Experimenting to Make Information as Reliable as Weather Reports

By Thomas Stevenson

WASHINGTON.—Forecasts of Radio reception conditions by the government, somewhat along the lines of dialy weather reports, is a development anticipated for the near future.

Such a daily service to the millions of Radio fans has been considered by several government agencies at Washington. Experimental work has been done by the bureau of standards to establish the connection between the weather and Radio reception.

Officials of the bureau of standards are none too well pleased with the progress of these experiments, but they are confident the time will come when they will know more about it.

WCAJ Already Doing It

Weather bureau experts do not believe the experimental work has yet progressed to a point where it would be safe to forecast whether it might be possible in the near future to prepare daily Radio reception forecasts.

Washington officials have been watching with particular interest the experiment of the Nebraska Wesleyan university in preparing daily Radio forecasts.

For the past several months, J. C. Jensen, of the department of physics of the Nebraska Wesleyan university, has prepared a daily Radio reception forecast which is broadcast through Station WCAJ at 4:30 p. m. Central time.

"As a result of years of study and investigation," says Mr. Jensen, "the United States has come to be depended upon as a reliable source of information concerning weather conditions. Farmers cut their hay when fair weather is predicted, and city folks delay their automobile picnics over unpaved roads when the forecaster says 'Thunder storms probable.'

Many People Dependent on Conditions

"With so many people now depending largely on Radio for their entertainment, and with the quality of that entertainment varying so much from night to night, any plan by which receiving conditions may be predicted with reasonable accuracy should be of general interest. If the Radio fan can be forewarned that static will be unusually bad, he can change his plan for a Radio party, and do something else.

"If he knows beforehand that signals will be weak from the southeast but good to the north and west, he can save time by tuning directly for Los Angeles, or Denver, or Minneapolis, instead of saying 'Why can't I get Havana tonight?' after a prolonged effort. That this very thing may soon come about as a regular feature of weather forecasting is not at all improbable.

Progress of Studies to Date

"Many studies have already been made in this field. Among them may be mentioned the researches of Dr. L. W. Austin of the naval laboratory at Washington, Dr. G. W. Pickard of Boston, Professor Van Cleef of Ohio State university, the American Radio Relay league, and the bureau of standards.

"It is well known that heavy static is worst in the southeast quadrant of a low barometer area, and that the cloudy to clear days following the passage of a storm are favorable for Radio work. It is also known that signals are stronger at night than in the daytime, and that fading is much less troublesome in daylight.

How WCAJ Reports Are Made

"In the Radio laboratory at Nebraska Wesleyan university the measurement of signal audibilities and the recording of fading curves has received considerable attention. A paper on the relation of Radio audibilities to weather conditions, by M. P. Brunig, was published three years ago in the Monthly Weather Review. Being located in the center of the United States with broadcasting stations in every direction, this laboratory has unusual opportunities for plotting fading curves from the four points of the compass, and hence from regions of different

(Continued on page 10)

Indians Originate Our Motif

NOTED Composer Holds That Typically American Music Is Derived from Chants and Songs of Love and War by Noble Red Man

THANKS to the loud speakers and the head phones we laymen are learning more about the finer things in music. It comes to us in profusion. There are so many kinds sometimes we are a little confused. A twist of the wrist and a bubbling streamlet comes purling into the room from one direction. We bathe in it until the idea occurs to us that we would like something different. Another turn of the dial and another stream fountains into the room with a different character of music.

We discover that different nations produce their characteristic melodies. The Russians have their "Volga Boat Song"; the Italians their high-keyed arias; the Germans their thunderous harmonies; there are the plaintive strains of the Orient; the vivacious and rippling cadences of the Spanish themes. The French, English, Scotch and Irish all have their peculiarities.

But what is the characteristic American motif?

Here we are, a melting pot of all the nations, with original American stock running back not more than four hundred years and that stock coming from the other side of the world. Out of the conglomeration of human breeds have we developed a distinctive type of music?

"Yes, indeed, we have," responds Thurlow Lieurance from the Sears-Roebuck station, WLS, Chicago. "Our purely American musical strain ante-dates the arrival of Columbus. It is voiced by the aboriginal American—the red man of the forest, the lake, mountains and plains.

"It breathes the moaning and sighing of the trees, the laugh of splashing waterfalls, radiance of the flowers, the murmur of the deep flowing rivers, the trill of the birds, the cry of the untamed creatures of the forest—each a living voice in the heart of the Indian as he weaves them into the song for the lover, worship of the unseen spirits, praise of the warrior, voice of the hunt and accompaniments for his many dances."

And Mr. Lieurance should know for he has made the study of Indian music his life work. He has transcribed the primitive refrains into modern scores, which, in turn, have been translated into all the civilized languages of the world. Nowhere else is there a North American (*Continued on page 24*)

Thurlow Lieurance, composer of "By the Waters of Minnetonka," calls Indian music American motif.

ONLY the American Indian is entitled to credit for a distinctive and typical theme for American music, according to Thurlow Lieurance, well-known pianist and composer who presented a recital recently over WLS, Chicago. His famous song "By the Waters of Minnetonka," was inspired while visiting a Sioux village in South Dakota where he heard the Indians sing the legend of the lovers of opposite clans in their own tribe who ran away and submerged themselves with their canoe beneath the waters of Minnetonka.

Morning Cloud, (above), sweet singer of the Sioux singing the Minnetonka legend into the WGY microphone at Schenectady. Below are other members of the Sioux warriors who visited the WGY studio with Col. Miller (seated, center) and old Ezra Meeker of Oregon trail, seated at left.

Below are members of the Onondagas who broadcast their idea of typical American music from the WGY studio. It had a faint resemblance to Swiss yodeling, critics said.

WMBB Owner Believes in U. S.

ANDREW KARZAS Proves "America Is Land of Opportunity." Makes Millions in Few Years Building Theaters and Ballroom Palaces in Chicago and Its Suburbs.

By HAROLD P. BROWN

SOMETIMES good citizens weary of the phrase "America is the land of opportunity." They think it is trite, merely obvious, just something to say when one has mentioned the weather and the state of one's health. Ponderous orators work it to death during the month of June when they stand up before the graduating classes and proclaim impressively that "America is the land of opportunity."

But I know a man who takes it seriously, always did take it seriously and made millions because he did. His name is Andrew Karzas and he is the power behind the generators of the WMBB broadcasting station located on the Trianon, "the world's most beautiful ballroom, Chicago."

He's a terribly shy man for a pusher and a get-there. He loves dignity and abhors blatancy. He won't thank me at all for this story because I have so much to say about him. He would rather that I utilize this space to describe the alluring charms of the truly remarkable ballroom. But I believe Radio listeners will be more interested in this personality who believes in American opportunity and who made WMBB possible.

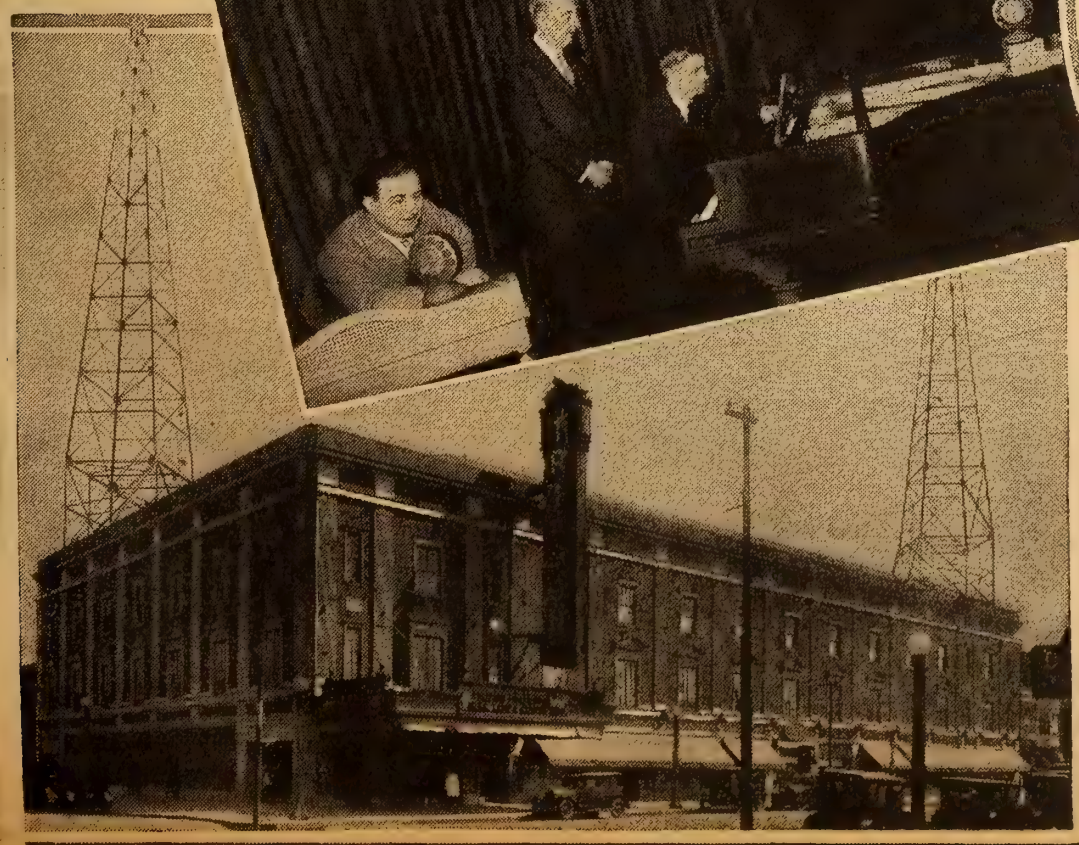
When she is not engaged in musical drama, Miss Lola Schofield (above) has helped make the WMBB programs pleasant with her dramatic soprano voice, while lively dance music may always be depended upon from Dell Lampe's Syncopators (below). They finish by singing "W-M-B-B Chi-ca-go".

ANDREW Karzas came to America from Athens because somebody over there told him that opportunity was here. He is of good parentage, has uncles and cousins who are up in the government and army over there but that was not the kind of opportunity Andrew wanted. It was not the kind of opportunity he pictured for himself in America. The family purse did not afford him any special advantages in getting his start. But he had a head and a sturdy body and he went into business immediately.

Pennies, nickels and dimes became dollars and dollars became opportunity. He took another step on the ladder and I first knew him when he moved into a little stall on Sixty-third street, east of Cottage Grove avenue, lately abandoned as a shoe store. He called it the "De Luxe Theater." His younger brother, William, joined him and the two of them put in long, arduous and industrious hours. I don't believe the place would seat 200 people but every seat was doing its share. A year or two of that and Andrew moved into the Drexel, which was the real de luxe theater in the next block.

He took a great interest in Woodlawn and the neighborhood affairs. School children were given special entertainments, sometimes with all the profits going to a local cause. But everybody took a liking to Karzas. The mothers felt kindly toward him and the fact that he was a Greek made not the slightest difference to the rather exclusive Woodlawn Business Men's association.

Director J. B. Lampe (standing) in the WMBB studio in the Trianon ballroom (below).



Andrew Karzas (above) who found American opportunity no idle saying.

IN FACT the community was proud of him. He certainly was showing the rest of us around there that America is the land of opportunity. It was not hard for him to have an ordinance passed the next year condemning an alley in the block across the street. It was of no use to anyone but himself, anyway, as he owned all the property to the point where it connected with an adjoining alley. A row of stores went down under the sledges of a wrecking company and in their place there sprang up a picture theater that was declared at the time by the trade papers to be the most beautiful picture theater in America—"The Woodlawn."

It was a tremendous success. At every performance people stood in long lines waiting to get in. It made big money. Andrew had an office in the basement. He still has his office there. Then came the first realization of his most ambitious dreams. He went to Europe and looked around for an exact crystallization of his ideas, came back and built the Trianon (*Continued on page 8*)

a STEP ON the STAIRS

By ROBERT J. CASEY

Radio Dramatization by FRED SMITH

Illustrations by HILMER C. OLSON

Synopsis of Preceding Chapters

GRIM and ghostly mystery settled down on the old manor house of the Turners on Pelican Bay shortly before events chronicled in this story. The manse had come down through one hundred and fifty years of sea-faring Turners and then Jeremiah Turner was found dead with a bullet in his head on the hearth of the gun-room floor. They carried his body out the door reserved exclusively for the removal of the dead masters of the house. Soon after, the body of Peleg Turner, a brother, followed the same course. He seemed to have died from natural causes.

Lawyer Ardwyn, his executor, summoned the relatives for a weird seance in the deep shadowed hunt-room, lighted only by a candelabra. A letter left with the attorney had stated that the departed Peleg would attempt to communicate his discoveries beyond the grave through the Radio. The story opens with the party assembled. Only John Carton, a favorite nephew, is missing. He had been suspected of the crime. Henry Millis, the caretaker, had been startled by the arrival of a man in a gray overcoat from the stormy waters of the bay. The man said he had been called to the meeting, but Hari Singh reported later to Henry that he had never arrived at the house.

The clock struck twelve. There was a scratching sound in the receiver. A few syllables were uttered. Then followed an interruption. The voice of the announcer at FYX, a nearby broadcasting station, called for help and a shot was fired. The listeners who were sitting in absolute darkness rushed for the locked exits in confusion. They already had heard ghostly sounds on the stairs and a mysterious tapping similar to an SOS signal. Finally, when a bit of candle was lighted, it was found that Milford Jones, one of the guests, was missing.

Tolliver, another guest, was appointed to investigate the FYX shooting. He found that a stranger had broken into the broadcasting station, shot the engineer and escaped unidentified. The wounded man was taken to a hospital but Tolliver discovered a trail of blood and picked up a letter which he handed to Ardwyn at the table. Just as the lawyer was about to open it Mary Williams, a friend of Carton, and sought in marriage by another cousin, Henry Graves, accidentally knocked the only candle to the floor.

In the darkness that followed Ardwyn felt the hair of a woman brush his hand and his wrist was caught in a savage bite. Another candle was lighted. The letter had disappeared.

THE STORY CONTINUES.

Mary Williams accepted the bit of jewelry from Ardwyn's bandaged hand and looked at it complacently. If the lawyer, watching her from beneath lowering eyelids, had wished to test her, he received no satisfaction.

CHAPTER FIVE

Trail of a Tigress

A SENSE of guilt sat heavily on the harried occupants of the hunt room. Men and women moved restlessly in their chairs and eyed one another appraisingly the while they kept up that brave show of nonchalance which is man's instinctive armor against fancied suspicion. Ardwyn, intent upon his bleeding wrist, gave no sign that he noticed what was going on about him. The clock struck one. Aunt Helen sighed, and in doing so acted for virtually all of the eleven who had braved the terrors of Peleg Turner's house.

"Only one o'clock," came a voice from the shadows. "Only an hour and it has seemed like three worthless lifetimes."

Hari Singh, calm as always, came forward to inspect the lawyer's wound.

"I can dress it, Sahib," he said. "The cut is only superficial. But of course such things are dangerous unless we attend to them at once."

"I suppose so," Hari Singh," replied Ardwyn. "But I can speak only through hearsay. I cannot remember ever having been chewed up by a woman before.

"I think, ladies and gentlemen, that it might be well for us to interrupt this session. It was Mr. Turner's wish that we continue this effort to communicate with him as long as it might be humanly possible to do so. But some of us might not be able to stand a continuation of this experience without a recess. You have coffee, have you not, Hari Singh?"

"Yes, Sahib, there is plenty of coffee in the kitchen and there are sandwiches in the ice box. I can attend to that in a moment after I bandage Sahib Ardwyn's hand."

Aunt Helen, who had been sitting fanning herself distractedly, was suddenly brought back to her normal self.

"Mr. Ardwyn," she called. "Mr. Ardwyn. Couldn't I make the coffee? I'd be very willing to—and I could serve the sandwiches, too, if we all could go into the library where we'd have some light."

"That might be a good plan, Mrs. Holmes," agreed the lawyer. Naturally I should like to have my hand attended to and I do not know how long it will take Hari Singh. At one-thirty we shall make another attempt to hear the message of Peleg Turner over the Radio. Until that time you may go wherever you please, ladies and gentlemen, although I must ask that you do not leave the house whatever the provocation."

Instant approval from all quarters of the shadowy room greeted the suggestion, and almost before the lawyer had finished speaking most of the guests were on their feet—trooping toward the door after Aunt Helen. Ardwyn had started to follow them when he noticed a slim figure in the gloom at the end of the table.

"Aren't you going, too, Miss Williams?" he inquired.

Mary Williams shook her head.

"No, Mr. Ardwyn," she said. "I feel too weak to walk even as far as the library. I think it may quiet my nerves a bit just to sit here and rest."

"You are sure you will not mind being left alone here in this room?"

"I shan't mind it at all, Mr. Ardwyn. There can be nothing wrong with the room, once the people have gone out of it."

The lawyer coughed queerly.

"That candle won't last long," he said. "And it will be dark in here when it goes out. Strange things happen here in the dark, Miss Williams."

"I feel that they might happen just as easily anywhere else in this house," she replied.

"Yes," he admitted with no hint of a double meaning in his tone. "Anywhere you might be it would not be at all illogical to expect trouble. Come, Hari Singh, let us get this job done."

MARY WILLIAMS settled back into the chair as their voices blurred in the outer hallway. The shadows seemed to settle down about her and she was scarcely discernible in the wavering candle light. She sat with her eyes half closed but she was very alert and tense and she was on her feet instantly when the door creaked slightly and a man stepped out of the hall into the halo of the candle.

"Henry Graves," she breathed half to herself. "What are you doing here?"

"I might ask the same of you," he answered easily.

"I stayed here because I wished to be alone," she told him. "I don't think I need to tell you that."

"And I came back here because I wished to be with you," he stated, mocking her tone and manner. "And I hardly think I need tell you that."

"Don't be foolish, Henry," she admonished him. "This is neither the time nor the place for one of your usual scenes."

"Ho hum," he said. "You do not know how beautiful you are Mary. There is never a place where I shall be able to look at you without loving you and there is never a time when I shall be discouraged from asking you to marry me."

"I have told you repeatedly that I don't wish to have anything to do with you."

"I know that, Mary, but I have not given up hope. There may be a time when you will need me . . . And I am not entirely convinced that tonight isn't the night."

"Just what are you talking about?"

"We understand each other, Mary. You are intelligent and I don't think lengthy explanations are necessary at all. I have asked you to marry me as a sort of personal favor many, many times. You know that."

"Yes, please don't bother to enumerate. Go away, Henry, and leave me alone."

He looked at her for a moment unperturbed.

"I'M NOT going to go, Mary, until I have said what I came to say," he declared. "When I have finished you can decide what you intend to do. I have talked of love for love's sake long enough. Now I am going to go at this matter from a business standpoint."

"What?"

"I know it is a bald way to put it, but my meaning is clear. You have gotten yourself all tangled up in a nasty mess tonight, Mary. You've gone one step too far and you'll never get out of it by your own wits. You need help. That's what I am offering."

"Mr. Graves, I haven't the slightest idea what you are talking about. You may be crazy or intoxicated. But in either event you are insulting."

"I am offering to marry you, Mary. I am offering to keep your secret and get you out of here so that nobody will dare breathe a suspicion against you. But I am candidly offering my aid on condition that we leave here at once and go to the minister's house in Portsmouth."

HEAR This as a Play from Your Favorite Station. The Schedule Appears on Page 13.

"I have a light," came the voice of Hari Singh. . . "Why it's Mr. Ardwyn with blood all over his face. . . And Miss Williams. . . Stand back, please. She's not dead. . . What's this in her hand?"

Even in the candlelight the increasing whiteness of the girl's face gave unmistakable evidence of her anger.

"Henry Graves," she said. "I hate you. I have always hated you. I could see in you just the oily scoundrel that you are showing yourself to be. What have I to conceal? What secret have I that needs the protection of a man like you? Get out of here before I call Mr. Ardwyn and have you thrown out."

"I said I should stay here until I told you what I came to tell," retorted Graves calmly. "And I shall do that, Mary. I don't think you will care to call for help from anyone but me. I may state the case:

"Hari Singh has told me that he saw you near this house on the night Jeremiah Turner was shot. You were out late on the night when Peleg Turner died. A moment ago some person—some woman—bit Frederick Ardwyn on the hand. Your chair was empty. I wondered what you were up to and I made sure. You're a queer girl, Mary, but I don't mind that. I'll take care of you if you give me the chance."

When Mary Williams replied, her voice was hoarse but otherwise perfectly controlled and she clipped her words with icy precision.

"Are you insinuating," she asked, "that I killed Jeremiah Turner?"

He sighed as if in slight patience with such trivialities.

"I don't care whether you did or not, Mary," he said. "I love you. I—" He stopped suddenly and both sat upright.

"THE step on the stairs again," whispered Mary. "Someone is coming down the stairs"—and then she breathed audibly in relief as the figure of Ardwyn came into silhouette momentarily against the light that filtered from the library.

"It's Mr. Ardwyn," she whispered. "You had better be going."

"Your answer is no, then," he asked harshly.

"It will always be no," she stated. "And I warn you that if you cross me in any fashion I shall scratch your eyes out."

"Very well, Mary," he said as he arose. "I can guarantee that you will get the opportunity. If Ardwyn weren't coming in here the chance might come sooner than you had expected."

"Going out, Mr. Graves?" came Ardwyn's voice. "Well, no matter, I shall keep Miss Williams company myself." Graves did not reply as he stalked out.

"The evening seems to have gotten onto the young man's nerves," observed the lawyer.

"Yes," admitted Mary. "He seemed displeased when I told him that I wished to be alone."

Ardwyn laughed.

"And I suppose you are suggesting that other company might not be any more welcome," he said. "Well, I came purely as a matter of business. I had something to say to you that I thought had best not be said before the others. This is your brooch, isn't it?" He held a trinket under the candle light where she might see it plainly.

"Yes," she said. "It is mine. I didn't even know that I had lost it."

"That is natural enough, considering the excitement of the last hour. There is nothing significant in the loss of a brooch or in failure to notice its loss. But what I wanted to tell you is that it has been in queer company. The woman who bit my wrist a moment ago when the candle was overturned and the letter was taken from the table there, was wearing this brooch. It got tangled in my watch chain when I tried to catch her . . ."

CHAPTER SIX

A Door Opens

MARY TURNER accepted the bit of jewelry from Ardwyn's bandaged hand and looked at it complacently. If the lawyer, watching her from beneath lowering eyelids had wished to test her, he received no satisfaction. Her manner was quite as it might have been had he found the bauble in the street and returned it to her in the full light of day instead of here in the most malign room of an accursed house.

She laughed, a bit nervously, perhaps, but without effort.

"It would be easy to convict me on this evidence," she admitted. "I should have left the brooch at home. Someone may have dropped it there just to direct attention toward me. That is possible of course."

"The woman who chewed my wrist was wearing the brooch, Miss Williams. It is hardly possible that she could have foreseen she might get it entangled with my watch chain."

"It is very puzzling," the girl agreed. "And I have no brains for puzzles. I don't like to think. It makes my head ache."

Ardwyn made a gruff noise in his throat.

"On that point, Miss Williams, I respect you very much indeed," he told her. "You need not try to mask yourself from me. You would be a dangerous foe."

"I'm not at all dangerous," denied Mary Williams. "But I am upset about all this. Mr. Ardwyn, tell me the truth. Why are we here?"

"I have already told you everything I know about it. Peleg Turner's last letter was self explanatory."

"Bosh," she said with some heat. "There is something more to it than a crazy seance with a Radio set. I have admitted that I am simple, but I am not that simple.

"Something has been going on in this room that cannot be ascribed merely to the panic of the weird crew that you have assembled here. I have felt that all along."

"I have felt it, too, Miss Williams. I shall admit that to you. And I shall admit something more. I know instinctively that the murderer of Jeremiah Turner is in this house at this moment." He paused significantly.

"You are looking at me, Mr. Ardwyn," Mary Williams replied with odd composure. "Am I to take it that you, too, suspect me of having been implicated in that?"

"SOMEONE else has suggested it?"

"Henry Graves suggested it. He wished me to marry him as the price of his silence. And now you . . ."

"I have not gone so far as to make such a suggestion, Miss Williams," Ardwyn broke in, "but I can say candidly that I do not fathom you. I should like to know, for instance, why you chose to stay here alone in this room after the others had left."

The girl murmured impatiently.

"I shall have to tell you that because there is no getting rid of you," she told him. "I stayed here because I expected somebody to come in through that front door and I couldn't trust anybody else in the place—not even you—to keep the vigil."

"Through the front door," the lawyer scoffed. "That is silly. I pointed out once before, tonight, that the door is locked and barred."

"I know that," the girl admitted. "I can't explain it any more than I can explain how a stage magician takes rabbits out of a hat. But I know this: the door was open once before while we were locked in here. One man of this company went out through it."

"Jones probably got out some other way."

"Any other exit was as closely locked as the front door, Mr. Ardwyn. One gets nowhere by substituting one mystery for another.

"When the door opened I felt the draft before Aunt Helen did," Mary continued. "Somebody brushed past me in the dark—somebody came in—and then somebody went out again.

"If legend is worth anything the one who went out probably will be a corpse by this time, but the one who came in first will be back again and the time won't be long now."

The lawyer looked at her in frank amazement.

"You seem to be very confident about this matter," he observed.

"I have every reason to be," she said. She leaned over the arm of her chair and picked up a pair of shoes.

"LOOK at these," she said, "extending them toward him—shoes—men's shoes. They are damp from melted snow—that shows that whoever wore them has been out in the storm since we came in here.

"On the other hand whoever wore them was suddenly frightened away and left in his stocking feet. It is natural to suppose that nobody could long wander about there through the drifts in his bare feet. Our intruder will be back here looking for his shoes."

"Why should he have taken his shoes off?" demanded Ardwyn, still skeptical.

"Whatever his purpose was in this room, he did not wish to be detected," the girl said. "Whoever it was came for some sinister purpose, not to listen to the Radio. I know that you don't trust me, Mr. Ardwyn. But I am asking you to stay here, now that you know what I know, and see for yourself what happens."

For a moment the lawyer was silent.

"Very well, Miss Williams," he said at length. "I shall stay here and I shall see what I shall see. But I may say in advance that once I find out

(Continued on page 29)

CLAIMS RADIO WILL LIMIT NEWSPAPERS

EDITOR DECLARES PRESS WILL BE SUPERSEDED

Predicts Papers Will Be Greatly Improved by Becoming Purveyors of Public Intelligence

LONDON. — Hamilton Fyfe, famous journalist and editor of the London "Daily Herald," the leading organ of the English labor party, has declared in evidence before the broadcasting investigation committee, that the daily newspaper as it exists today is destined to be superseded by Radio.

Mr. Fyfe expects no such change for a long time, but says the press should meet it ungrudgingly, and not put artificial obstructions in its way, as such a development will be advantageous both to the public and to journalists.

"Radio in the future," said Mr. Fyfe, "will be fitted not only in all houses, but to all trains, street cars, busses, and in all public places. In a short time we shall all carry ear phones about with us and be able to pick up messages wherever we are.

Describes Future Newspaper

"This will change newspapers from collections of entertaining scraps to organs of opinions, purveyors of intelligence for those who study world events. Those who regard papers simply as a help to passing time will find Radio news enough for them.

"Those who want full information, competent criticism, market details and prices, sport, literature, and art articles, or any other special line, will continue to read newspapers. The benefit to such people and to journalists will be great. Circulations will be smaller, prices higher, advertisements less important. Journalism will become once more a serious profession. Important news will not be sacrificed to snappy, spicy items, divorce case and murder trial reports.

'Sunshine Man' in Chicago with Joy

Billy B. Van, "Gay Paree" Star, Affiliates with WJJD to Organize Sunshine Club Chapter

CHICAGO. — Billy B. Van, "The Sunshine Man" and comedian extraordinary, whose work was prominently featured recently in Radio Digest, has come to Chicago. As a result, rays of sunshine are already radiating from the Moose station, WJJD, at Mooseheart, with studios in the Palmer House here.

When Billy came to this city he took steps immediately to form a new chapter of his Sunshine club. WJJD was elected and he began his work there for a month, starting March 1. He can be heard every Monday, Wednesday and Friday at 6:40 p. m. Central time. Tune in this stage philosopher and tune out all gloom and sorrows.

His work at propagating sunshine will long be remembered in Boston and New York. "Just going to spread a little sunshine in the Middle West," said Billy Van when interviewed, "so I'm working over WJJD."

Maybe you think that's all he has to do. No, Billy is a busy man. His main business in Chicago is manufacturing laughs as leading comedian in "Gay Paree," a musical comedy full of pep and merriment, and with much in its favor. It's showing at the Apollo theater here. Then he is a business man, too. He invented the formula for Pine Tree soap, the only soap that contains pine oil as a blended constituent and that will lather in salt water.

But then, you would expect Billy to invent soap — something to brighten up the dark corners.

Yes, while here he will run a Sunshine limerick contest, as he did in the East. The one held in Boston was won by a little blind girl, who received an expensive Radio receiver as first prize. The judges didn't know she was blind until after the prize had been awarded, but how well it all turned out!

Just smile away your troubles and everything will always turn out right, says Billy.

Program Aids War Vets

SPOKANE, Wash. — A Radio musical program held here recently netted $700 for the fund for disabled veterans of the World war, according to Mrs. H. B. Graybill, of the State Federation of Women's clubs, whose auspices it was under.

WEAF ANNOUNCERS CAUSE FAMILY ROW

NEW YORK.—A great controversy has raged for some weeks past in a New Jersey household, according to a letter received by WEAF. It all started over the announcing of WEAF causing disagreements among members of the family as to who was announcing. One member of the family would insist with positiveness that it was Graham McNamee. Another was equally certain that it was Phillips Carlin. The third, and youngest, argued that it could be none other than James Haupt. In order to preserve the peace in this home, WEAF has sent an announcing schedule which is adhered to.

BODY ACROSS WIRES BURNS OUT STATION

MONTREAL, Canada.—A charred body lying across several wires gave mute evidence as to the cause of the short-circuiting of the entire system of Station CKAC, La Presse, here, recently. The electrocution put the station out of commission and brought a loss of approximately $5,000, besides the inconvenience and embarrassment of having the program stopped. But no mourners of the dead victim have been located, as it happened to be just an ordinary little brown mouse. Every one of the fourteen rectifying, oscillating and modulating tubes, were destroyed.

J. B. LAMPE TAUGHT LOPEZ TRICKS

Among the bright lights of the many brilliant features of Station WMBB, Chicago, are the Lampes. J. Bodewalt Lampe (left) is the general director of the music at Trianon ballroom. His son, Dell, (right) directs the Dell Lampe orchestra and the Syncopators. The father taught Vincent Lopez much of what he knows.

WMBB BELIEVES IN U. S.

(Continued from page 5)

ballroom—the "WMBB—World's Most Beautiful Ballroom." The real society of Chicago—first families and all that—opened it for him. They simply overwhelmed him with congratulations. It was his first million-dollar enterprise.

The American Bond and Mortgage company found Andrew Karzas could be trusted with money as far as he wanted to go. He borrowed and paid his obligations when they were due. So other enterprises soon blossomed. East, west, north and south Karzas spread out. His judgment was unerring. Half a dozen theaters, some of them with investments running as high as $5,000,000, were under way. From Hammond, Indiana, where the Calumet steel development shot values skylarking in the course of a few months, he had the foundations of one of the finest picture theaters in the country under way. He bought a big corner at Cottage Grove avenue and Seventy-ninth street, in the heart of another big real estate boom. He recently opened his Northcenter theater, another palatial house. In June, the Woodlawn, the theater which put him in the millionaire class, will be torn down and a whole block of store buildings will go down with it for the square on four streets. It will be the location for his greatest and grandest—the most wonderful moving picture theater in the world.

On the roof of the Trianon spangles the antenna of the broadcasting station. It has been on the air for two years now. All of the beauty and charm, however, are within the four walls. The ballroom is an elliptical area, with a system of specially designed indirect lighting. It is adorned with gorgeous draperies, boxes, balconies, colonnades and a floor that is the ultimate of the engineer's skill.

J. Bodewalt Lampe and his son, Dell, were brought from New York to take charge of the music and it is the Lampe orchestra which furnishes the supreme delight of WMBB programs. Miss Lola Schofield, dramatic soprano, has been identified with the station since its beginning. The present announcer is "Colonel" Edwin House. The "colonel" derives his name through his reputation as a singer during the war in the army camps in France. He has traveled over the country as the leader of a cowboy band and is well known to vaudeville. The studio music is under the direction of Preston Graves who also serves as accompanist. The senior Lampe is nationally known as a composer and often writes the Trianon orchestrations. He writes special music for special occasions.

Is America the land of opportunity? Ask Andrew Karzas.

KGW in New Studios

PORTLAND.—Station KGW, here, recently dedicated the new duplex studios which have been under construction for the past two months. Both offices and studios are now on the eighth floor of the Oregonian building. The suite consists of two offices, a reception room, two studios and an announcer's booth and control room. A new 1,000-watt transmitter is being installed and will be on the air in April.

SEND THREE SOLOS AS TRIO BROADCAST

PLAYERS KEEP TIME BY USE OF EARPHONES

Organ, Cello and Violin Parts Picked Up at Different Points and Broadcast As One

MINNEAPOLIS.—WCCO, the St. Paul-Minneapolis Gold Medal station, presented a unique program recently when three soloists, located at points from 10 to 20 miles apart, played a trio which was sent out through the studio transmitter. In three different cities the artists played their parts into microphones and kept in time with the other two through means of earphones. The three parts were collected by the "fader" panel and so controlled and modulated that they went out on the air as one number.

The participants in the test were: E. J. Dunstedter, who played the organ in the State theater, Minneapolis; Oscar Baum, violinist, who played at the St. Paul studio of the station; and Lionel Bilton, cellist, who played before a specially installed microphone at the transmitting station eighteen miles northwest of Minneapolis and St. Paul.

Those who heard the broadcast said that it was impossible to detect from the results that the musicians were not all playing in the same room.

Hero of Sea Tells of Antinoe Rescue

Captain Fried Welcomed on Arrival and Program Is Broadcast from Salon of Steamer

NEW YORK.—Another milestone in the progress of Radio looms. Broadcasting stations are now trying to get a scoop over other stations in broadcasting nationally-known figures. When Captain George C. Fried and the heroic crew of the S.S. Roosevelt returned to this country, all the stations wanted to be the first to broadcast his homecoming address.

To Station WOR, in cooperation with J. Spencer Smith, president of the New Jersey board of commerce and navigation, goes the distinction of having arranged the first official welcome to be accorded in the United States to Captain Fried, on the arrival of the S.S. Roosevelt at Hoboken, N. J.

Program from Ship

Promptly at noon, Monday, February 15, the ceremonies were broadcast through WOR direct from the main salon of the S.S. Roosevelt and consisted of music and speeches of welcome and homage to Captain Fried and his crew. The ceremonies were opened with a speech by Thomas H. Rossbottom, general manager of the United States lines, presenting J. Spencer Smith, who in turn introduced Governor A. Harry Moore of New Jersey. Engineer-Commander A. Knothe reiterated the sentiment expressed in London recently to Captain Fried by His Majesty King George.

Captain Fried then broadcast his emotions on his safe return to the United States and included his experiences in assisting the stricken crew of the S.S. Antinoe. The U. S. A. Sixteenth Infantry band was ordered by Major-General Charles P. Summerall to attend the function throughout the ceremonies.

Given Police Escort

The function was given the approval of the state of New Jersey by the passage of a resolution in the state assembly recently. An embossed copy of the resolution was presented to the captain and crew of the S.S. Roosevelt by Senator J. Henry Harrison. A police escort preceded the party to the dock at which the ship tied up.

During the ceremonies Captain Fried was so overwhelmed by the speeches made that in the middle of the presentation of the copy of the resolutions he broke down and had to leave the salon of the ship and go to his rooms. Upon his return he was cheered by the crowds gathered for the event.

Dedicate New Broadcaster—Birmingham, Alabama Tech

BIRMINGHAM, Ala.—WAPI, the Victor Hanson broadcasting station of the Alabama Polytechnic institute at Auburn, Ala., was dedicated recently with a special program of music and speeches.

This new station is capable of sending with 1,000 watts of power, but it is probable the full capacity will not be used for some time. The station is of the latest design. It has a wave length of 248 meters, the same as WBRC of Birmingham, Ala., and WIOD of Miami, Fla.

BUREAU STRIVING TO FIND SERVICE AREAS

KNOWLEDGE WILL HELP IN GIVING WAVE LENGTHS

Zone of Real Effectiveness Covered by Broadcaster Is Much Smaller Than Expected

WASHINGTON.—What is the "complete service area" of a broadcasting station, and how far can absolutely reliable reception be obtained with a Radio receiving set? These are questions which the bureau of standards is attempting to solve.

According to Dr. J. H. Dellinger, chief of the bureau of standards Radio laboratory, "if we set up the most rigid standard of say complete service in adverse atmospheric conditions at all times of the day and night and year for the average crystal set, then the actual intensity measurements would seem to indicate that the radius of the circle served by a 500-watt station will not exceed ten miles; that a 5,000-watt station will cover about thirty miles, and a 50,000-watt station will not cover much over 100 miles."

Real Service Zone Is Small

More sensitive receiving sets and better atmospheric conditions, Dr. Dellinger says, greatly extend these distances.

"Actual operation of high-powered stations has proved advantageous," Dr. Dellinger adds, "in broadening the complete service area, but this area is much more limited than many expected. Subjected to the test of positive and reliable service at all times and all weathers, it will be found that the real effectiveness of a station falls within a comparatively small zone.

"For some reason or other, the area is not always a circle, and it varies in different parts of the country for the same power. The department of commerce is undertaking the important task of determining these service areas. This will give information on which to base more efficient allocation of wave lengths.

Fans Give Contributions To Old Contest Fiddler

Word Picture by Announcer Brings Gifts from Listeners

HARTFORD, Conn.—A number of Radio fans were so moved by an announcer's word picture of John Comfort, of Stafford, Connecticut, aged fiddler who took part in the state contest, that they sent contributions to the station and asked that they be passed on to Mr. Comfort.

WTIC's announcer, who sat in the wings, back stage of the theater, found several of the old gentlemen to be especially interesting characters and from time to time told the Radio audience his impressions. This led him to describe Mr. Comfort, who lives on the Stafford town farm and who had been obliged to sell his violin a number of years ago to pay for operations which, however, were unsuccessful in restoring to him the sight of one eye. He is 84 years old and found it difficult to rise from his chair when it came his time to play.

Radio Hits Japan Movies

WASHINGTON.—Radio interest has resulted in a bad slump in the revenue derived from motion pictures in Japan, according to a report to the department of commerce.

"UNCLE BOB" GIVES FULL TIME TO KIDS

CHICAGO.—Already having mounted the plane of "Radio's Honor Roll" because of a long line of wonderful achievements in his Radio work with the nation's young, "Uncle Bob," the erstwhile Walter Wilson, had nothing left to sacrifice to his chosen vocation than to retire from business life and devote all his time to his Radio activities and "The Curb Is the Limit" club.

That is just what happened. Work was stacking up. A steady stream of Radio letters and one thing after the other demanded more time than one man could give. He soon found that he had to choose between his office and Radio, but reflection upon the thoughts of thousands of his juvenile friends and the enthusiasm with which they sought him as their big friend, led Uncle Bob to step out of business life.

Thus, Uncle Bob is the big uncle of Westinghouse Station KYW, Chicago, where each day he meets his uncounted fireside listeners, and where for more than two years he found the inspiration that enabled him to carry on a noble work among the children.

Now that Uncle Bob has stepped out of the business world, we find him the devoted "Radio Uncle" of KYW, lending cheer and laughter to all and spending his spare time among the less fortunate youngsters in hospitals and occasionally making a personal appearance in nearby cities where he always is greeted by a horde of cheering youngsters.

Firemen Quartet Leader Killed

MILWAUKEE.—Herman Glander, a city fireman and leader of the Milwaukee Firemen's quartet which has been heard every other Tuesday over the Marquette University-Milwaukee Journal station, WHAD, was recently killed instantly when his car skidded onto a railroad crossing in the path of a fast mail train.

Station 6XBR Gallops Over Country Getting Broadcasts for Big Brother

Portable Broadcaster Picks Up Programs on Short Wave and Transmits Them to KFWB to Send Out to Listeners, Eliminating Telephone Connections

By G. L. King

TELEPHONE permits and extensions cut no figure in the young life of Broadcasting Station KFWB, Hollywood, California. KFWB ties in anywhere within automobile distance of its station through its little brother, the short wave portable, Station 6XBR.

For instance, Marion Talley, the brilliant young star of the Metropolitan Opera in New York decides to take a few weeks' vacation in California. Her whim is to go camping up in the hills near Los Angeles. While there she has consented to sing her "Caro Nome"—the song that brought her instantaneous fame in New York.

Frank N. Murphy (above) chief electrical engineer of Station KFWB who designed and built the superportable transmission set 6XBR.

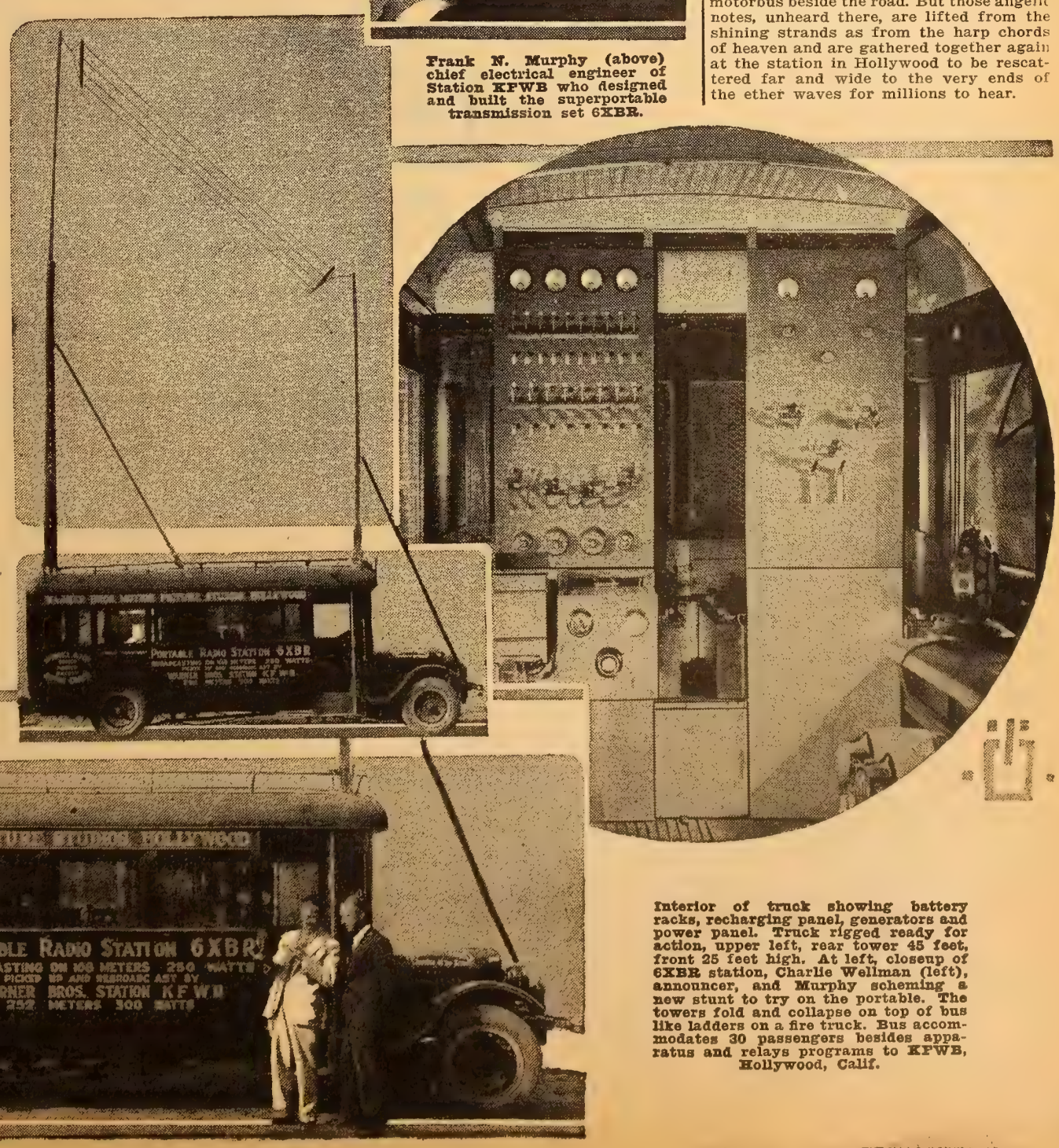
There are no phone lines near the camp. But a representative of KFWB wins her permission to broadcast. A little later the word is flashed to headquarters in Hollywood. An order goes out from the executive office. A man in a garage rolls out a machine that resembles an ordinary motorbus except that it has a rack of structural work folded up on the roof like the extension ladders on a fire truck.

The bus glides up to the curb in front of the KFWB studio. The technical staff, accompanists and announcer, waiting there, hop aboard and the bus roars down the street.

Out through the country and up into the hills it speeds away until it comes near to the camp where Miss Talley is enjoying herself. Then it runs into a by-way and the passengers climb out. There is a sound of metal against metal, clicks and snips and the apparatus on the roof of the bus rears itself to a height of 45 feet. There are two towers and between them stretches a four-wire span—obviously an antenna.

Follows then the rhythmic rumble of an engine and hum of generators, all in a subdued tone, scarcely audible twenty-five feet distant. The tubes are warming up. A stretch of cable is carried into the camp. The microphone is properly placed and tested. All is ready. Miss Talley steps to a position indicated by the director. Another artist has a violin. Perhaps there is a cello and flute. They begin to play and the voice of the 19-year-old girl, the wonder of the hour, pours forth the golden notes that so entranced her eastern admirers a short time ago.

There are no wires to the KFWB station—only the short antenna, atop the motorbus beside the road. But those angelic notes, unheard there, are lifted from the shining strands as from the harp chords of heaven and are gathered together again at the station in Hollywood to be rescattered far and wide to the very ends of the ether waves for millions to hear.



Interior of truck showing battery racks, recharging panel, generators and power panel. Truck rigged ready for action, upper left, rear tower 45 feet, front 25 feet high. At left, closeup of 6XBR station, Charlie Wellman (left), announcer, and Murphy scheming a new stunt to try on the portable. The towers fold and collapse on top of bus like ladders on a fire truck. Bus accommodates 30 passengers besides apparatus and relays programs to KFWB, Hollywood, Calif.

Champ Fiddler Almost Failed to Play In Finals Because Wood Pile Was Low

Uncle Bunt Stephens, After Placing in Preliminaries, Tells Henry Ford He Can't Compete Because He Left Home Without Leaving Enough Fuel Cut Up

NASHVILLE, Tenn. — Uncle Bunt Stephens, world's champion old-time fiddler, who won the blue ribbon at the recent contest held by Henry Ford in Detroit, and who was heard in a special concert from WSM, the National Life and Accident Insurance company's station here, on a recent Monday night, almost didn't win! His story is interesting.

When the contest was first started and the preliminaries were being held, Uncle Bunt didn't know whether he could get away from his little farm or not. He lives in a small cabin near Lynchburg, Tennessee. But he was finally prevailed upon and went forth into the back yard to chop a sufficient supply of kindling to last two or three days. He told his wife he had to go to Nashville and maybe to Louisville in the elimination contest.

He took third prize in Nashville in the first preliminary, just managing to be in the first three that went to Louisville. When he got to Louisville, he was awarded second prize in the second elimination. Upon his arrival in Detroit, he met Mr. Ford and told him very frankly that he couldn't stay for the big party, that he had to get back home.

Mr. Ford inquired as to why he had to get back home and he found out that Mr. Stephens didn't leave enough wood for his wife to last more than three days. The world's richest man caused a wire to be sent to W. K. Parks, his agent in Lynchburg, and told him to stock the house with provisions and anything the little family needed. He won first prize and was entertained in the palatial home of Henry Ford, located in Highland Park.

Mr. Stephens is a man well past life's meridian, although he couldn't be classed as old. He has simple tastes. His little home sits about a hundred yards back from the road, which is by no means a main highway. Life has been very hard for him in many ways, but he has remained serene.

He has practically no means, or did not have any until the blue ribbon was pinned on his thirty-three-year-old fiddle. But in spite of the fact that he is a poor man as regards this world's goods, he refused an offer of eight thousand dollars for his trusty fiddle, which hangs on a nail above his bed.

STATION WLW GIVES THIRTY-HOUR PARTY

CINCINNATI. — Thirty hours of continuous broadcasting is the station record established by the Crosley Radio corporation's super-power station, WLW, Cincinnati. This program marked the fifth birthday celebration of the station. Thousands of congratulatory messages were received from listeners.

To Investigate Station NAA

WASHINGTON, D. C.—The interdepartmental Radio advisory committee has been requested to take up the problem of interference of NAA, the navy broadcasting station at Arlington, Va., and make some suggestions as to how the trouble can be eliminated.

For months local Radio fans have been complaining of NAA because of harmonics it is apparently quite impossible to tune out.

Station WSWS Is on Air With Program of Features

CHICAGO. — WSWS, formerly WCEE, and now the new commercial station of the Bligh Whittington company with studios in the S. W. Straus company building here, is on the air. Preliminary schedules announced by Director Junkin indicate nearly all day will be occupied by features of interest to women, and entertainment and information for the farming territory of the middle, south and far west.

Add Two Beautiful Studios To Station WIBO Pick-Ups

CHICAGO.—Two beautiful new studios have been added recently to the pick-ups used by WIBO, Nelson Brothers-Russo Fiorito Orchestral exchange station here. The Uptown Conservatory of Music is the owner of the two studios from which broadcasts will be made over WIBO. Invitations, issued over the air and through the mail, brought several thousand people to attend the opening and dedication of the conservatory studios.

MUSIC TAX CLOSES REMOTE CONTROLS

Two Big Los Angeles Hotels Drape Input Panels and Others Are Just Standing By

LOS ANGELES.—Due to the exorbitant tax demanded by the American Society of Composers, Authors and Publishers for the year 1926, it is not unlikely that every remote control in the city of Los Angeles, as well as Hollywood, will be forced to go off the air.

Two nationally-known hotels, the Los Angeles Biltmore and the Ambassador, have hung dust drapes over their input panels already, and several of the other remote controls are staying on the air temporarily until something definite can be obtained from the society. It is generally understood that a remote control in Los Angeles has to pay a tax of $12.50 an hour, in addition to a yearly fee, which is also duplicated by the station itself while the remote control is on the air.

One remote control, that of Leighton's cafeteria, released through KHJ, has decided not to use the American society's works for the ensuing year, but the majority of the outlying studios feel that they should have access to all music or else sign off for good. And at present prices the game isn't worth the tax.

FORECAST CONDITIONS

(Continued from page 3)

barometric conditions, in the same evening.

"On the basis of these studies, a daily radio forecast is prepared by myself and broadcast from WCAJ at 4:30 p. m. The following forecast made for December 15, 1925, is typical:

"'For eastern Nebraska: A good Radio night; free from static. The best ranges may be expected from the east, northeast, and northwest. Considerable fading is probable from the south.'

"While it is freely acknowledged that factors other than weather conditions are involved in fading, and that the predictions are not always 100 per cent accurate, it must be borne in mind that weather forecasts are not unfailing, after a century of endeavor. It can at least be said that results thus far obtained are encouraging, and that with continued cooperation on the part of the investigators a satisfactory system of Radio forecasting may be expected in the near future."

School Given Station

CHAMPAIGN, Ill.—Boetius H. Sullivan, who last April made a gift of $100,000 to the University of Illinois, has made another gift of $11,500. Both donations are to be used in the construction of a Radio station in honor of Mr. Sullivan's father.

ATWATER KENT RADIO

Let the March winds blow you trade!

Here are five facts for your March calendar:

Every Sunday Evening
The Atwater Kent Radio Hour brings you the stars of opera and concert, in Radio's finest program. Hear it at 9:15 Eastern Time, 8:15 Central Time, through:

WEAF	*New York*
WJAR	*Providence*
WEEI	*Boston*
WCAP	*Washington*
WSAI	*Cincinnati*
WCCO	*Minn.-St. Paul*
WFI, WOO	*Philadelphia alternating*
WCAE	*Pittsburgh*
WGR	*Buffalo*
WGC	*Davenport*
WTAG	*Worcester*
KSD	*St. Louis*
WWJ	*Detroit*
WEAR	*Cleveland*
WLIB	*Chicago*

Fact No. 1

February being the best month in the year for radio reception, the second best is—what would you say? December? January? No, March—with April not far behind. The United States Bureau of Standards so reports after a year of testing.

Fact No. 2

In the face of the belief that radio is a fall and winter sport and September the month of the Great Revival, the public bought more sets and speakers last March than in September. Balmy April was as good a sales month as September.

Fact No. 3

Sturdy and reliable Atwater Kent Radio is distinctly year-round Radio.

Fact No. 4

Atwater Kent sales support knows no slump. Atwater Kent advertising is year round advertising.

Fact No. 5

The Atwater Kent Radio Hour is the weekly concert to which all other radio programs are compared.

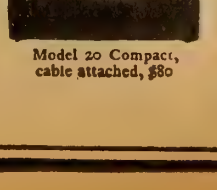
* * *

Pretty strong facts? Put them under your hat. Use them on the next customer who tells you he's going to put off his purchase until next season.

Write for illustrated booklet telling the story of Atwater Kent Radio

ATWATER KENT MFG. COMPANY
A. Atwater Kent, President
4708 Wissahickon Ave., Philadelphia, Pa.

Prices slightly higher from the Rockies west, and in Canada



Model 20 Compact, cable attached, $80

Radio Speaker Model H, $22

TELLS WOMEN HOW TO MAKE APPLE PIE

BETTY CROCKER GIVES HER RECIPE FOR DESSERT

Although It Was First Made in England, Fruit Pie Is American Dish Through Conquest

Have you heard, and do you regularly listen for Betty Crocker's Radio talks? Miss Crocker is nationally known as a home food specialist who is broadcasting from a dozen of the country's largest stations. By special arrangement Radio Digest has secured a series of exclusive articles by Miss Crocker dealing with her current Radio talks. These broadcasts are made through WEEI, WEAF, WCAE, WGR, WEAR, WWJ, WDAF, WJAR, WHT, WFI, KSD, KFI, and WCCO, the Gold Medal station at Minneapolis-St. Paul. All of Miss Crocker's recipes and discussions are based upon actual investigations and work of herself and her assistants in model kitchens.—Editor's Note.

By Betty Crocker

FRUIT pies were known as early as the year 1600, and apple pie was probably among the first fruit pies. The pies of those days, spelled "p-y-e-s," were not the same as the luscious two crust pies we enjoy today. They were a sort of tart with one crust, and in other ways were quite different from the present day pie. No doubt the early colonists brought with them the English apple pie which is a deep dish pie with a top crust, but no lower crust. Henry C. Finck contends that even though apple pies were brought to us from England they are truly American "by right of conquest, improvement, and countrywide use," and I believe most of us agree with him.

Much to Be Considered

In discussing the preparation of apple pie, there are many things to be considered. It will be easier to take up the different steps in pie making, if we have our recipe before us. This is the recipe for apple pie: 1½ cups Gold Medal flour, ½ teaspoon salt, 1 cup shortening, ice water—5 tablespoons, 6 medium apples, ½ cup sugar, 1 teaspoon cinnamon, 1 tablespoon butter.

Method: Sift flour once before measur-

(Continued on page 12)

CONSTANT CARE IS SECRET OF BEAUTY

CAN the years really make us look younger? "Yes," answers Madame Polly, who lectures over WHN, New York, every Monday afternoon at 5 o'clock, "if the years are not allowed to bury us in an accumulated pile of powder and rouge, mascara and sophistication, mental disturbances and unnatural living."

Madame Polly is sixty-five years young. She possesses a figure that a woman of thirty would be proud of. Her hair is pure white and it frames the youngest looking face imaginable. She is a professional woman whose business for years has been making other women beautiful, and who practices what she preaches.

For fourteen years, she tells, she attended Miss Lillian Russell in the work of her beauty upkeep.

Polly's greatest claim to beauty fame is the texture of her skin. Women who have attained fifty years as a rule have complexions that lack a certain oil luster that the young invariably possess, the shine which indicates healthy gland action. Youth can afford to powder it off. But age, Mme. Polly asserts, "makes a big mistake in doing this."

"I never use powder—never!" she said. "I'll just show you what it does." She powdered her face. Gone was that freshness. She wiped it off and again proved the truth of what she said.

"Rouge? Yes, I rouge," she added. "But delicately, of course. Powder, never! The powder settles upon the folds in the skin and exaggerates them frightfully. It does everything to age the face and nothing to freshen it.

"I never have used hot water on my face. For years I have cleansed my face with a good cream, and have used cold water on it every single day, but never hot."

Madame Polly's hair is of a most exquisite texture, beautifully white and live looking, which she attributes to the rinse in camomile tea, made by steeping camomile flowers to the color of weak tea. Even hair can be kept young.

NUTTY CLUB TO GIVE ADVICE TO LOVESICK

THE Radio listeners have had their characters read, have been taught bridge and chess, have been taught to cook, and what not, by Radio, but WBBM, Chicago, is, we believe, the first to broadcast advice to the lovesick.

Miss Sally Chickenroost of WBBM, Chicago, each Sunday evening from 12 midnight on, when the famous Nutty club of WBBM is in session, answers all questions of the heart. If the "Mrs." doesn't love you because you stay up till 4 a. m. listening to the Nutty club, Sally will fix you up. If the dog takes all of papa's affection, write to Sally and she will answer your question from WBBM through the Nutty club.

SHORT WAVES

By Marcella

"Bobby" (Robert W.) Griffin's personal description is requested by two ladies—Biddy and Thelma. Isn't it great to be a popular Radio announcer? Bobby is assistant announcer at WHO, Bankers Life, Des Moines, and here's the data: Age, 26; height, 5 feet 6¾ inches; weight, 150 pounds; eyes, blue; hair, brown. Married? Read the report from WHO, as follows:

"Bobby was born in the 'Show Me' state; went to grade school, high school and college in Kansas City, Mo., Des Moines, Albia, Ia., and St. Louis; went to war before the rest of us knew there was one on; trundled an ambulance there and in so doing he gathered in a souvenir that entitles him to membership in the most exclusive organization in existance—the Disabled American Veterans.

"To one young lady who craves a comparison of Bobby's voice and appearance, we are glad to inform her that her fondest hopes would surely be realized were she to have the opportunity of meeting him. We sincerely wish she could drop into the studio some afternoon, when he is ensconced behind his desk in the control booth, with the late afternoon sun casting an auroral glow about his handsome head—forming a sort of halo—and his genial smile working overtime. We fear she would fall—hard! And now for the best news of all. Bobby is without marital affiliation, either past, present or contemplated."

Marcella is indebted to a Station WHO friend for this colorful description, and we wish to take off our hat to the gentleman. The two paragraphs are just what my readers like to know.

* *

Paul Ash famous jazz band leader appearing at McVickers theater, Chicago, and broadcasting over KYW, may have a street named after him, "Paul Ash Lane." It was a section of alley extending by the stage door of McVickers before several thousand high school girl Ash fiends were inspired with the idea of petitioning the city council to name it. Yes, the irresistible, auburn-haired Paul is married.

* *

In response to "S.H." the "Old Timer,"

(Continued on page 12)

WOMEN'S PROGRAMS INDEX

Saturday, March 13

Eastern	Central	Mountain	Pacific
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.

WWJ (352.7m-850kc) Tonight's dinner.

11	10	9	8

WEAR (389.4m-770kc) Home service talk.
WHT (399.8m-750kc) Women's club, Jean Sargent.

12 n.	11	10	9

WGN (302.8m-990kc) Household hints.
WQJ (447.5m-670kc) Home Economics program; character readings.

12:30 p. m.	11:30	10:30	9:30

WGN (302.8m-990kc) Discussion of fashions.

12:35	11:35	10:35	9:35

KYW (535.4m-560kc) Table talk.

1	12 n.	11	10

KGW (491.5m-610kc) Household helps, shopping guide.
KMA (252m-1190kc) Domestic science topics.

4	3 p. m.	2 p. m.	1 p. m.

KJR (384.4m-780kc) Tonight's dinner.

Monday, March 15

Eastern	Central	Mountain	Pacific
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.

WWJ (352.7m-850kc) Tonight's dinner.

10	9	8	7

WJZ (454.3m-660kc) Women's hour.
WRC (468.5m-640kc) Women's hour.

10:45	9:45	8:45	7:45

WEAF (491.5m-610kc), WFI (491.5m-610kc) Home service talk, Betty Crocker.
WTAG (268m-1120kc) Talk, Marjorie Woodman, nurse.

10:50	9:50	8:50	7:50

WMC (499.7m-600kc) Home economics discussion, Miss Kitty.

11	10	9	8

WEAR (389.4m-770kc) Home service talk.
WHT (399.8m-750kc) Women's club, Jean Sargent.
WNYC (526m-570kc) Women's program.
WTIC (475.9m-630kc) "Women in Industry," Anne Gruman.

11:15	10:15	9:15	8:15

WTIC (475.9m-630kc) "Reducing Mileage in the Kitchen," Olca Sands.

11:30	10:45	9:30	8:30

KFAB (370.7m-880kc) "Dressing for Comfort," Helen Rocke.
WTIC (475.9m-630kc) Housewife's forum.

11:45	10:45	9:45	8:45

WCCO (416.4m-720kc) "Breakfast Breads," Betty Crocker.
WDAF (365.6m-820kc), WHT (399.8m-750kc) Home service talk, Betty Crocker.

12	11	10	9

WGN (302.8m-990kc) Household hints.
WQJ (447.5m-670kc) Home Economics program. "Let's Go Orchid Hunting," Maud Jacobs.

12:15 p. m.	11:15	10:15	9:15

KYW (535.4m-560kc) Meat talk.

12:30	11:30	10:30	9:30

WEBH (370.2m-810kc) Fashion and household talks.

12:35	11:35	10:35	9:35

KYW (535.4m-560kc) Table talk.

2:30	1:30 p. m.	12:30 p. m.	11:30

KFNF (263m-1140kc) Mothers' hour.

3	2	1	12 n.

WCCO (416.4m-720kc) Women's hour.
WSOE (246m-1220kc) Cooking chats.

4	3	2	1 p. m.

WIP (508.2m-500kc) Market hints for housewives.
WOC (483.6m-620kc) Home management schedule, Aunt Jane.
WQJ (447.5m-670kc) "Appetizing Fish Dishes," Helen Downing. "The History of Permanent Waving," W. Bivans.

5	4	3	2

KJR (384.4m-780kc) Home helps.

7:30	6:30	5:30	4:30

WKAR (285.5m-1000kc) "Building the Blood," Dr. Marie Dye.

7:45 p. m.	6:45 p. m.	5:45 p. m.	4:45 p. m.

WKAR (285.5m-1000kc) "Selecting a Spring Hat," Mary Shellenberger.

8:30	7:30	6:30	5:30

KUOA (299.8m-1000kc) "Remodeling Garments," Ella Posey. "Planning the Vegetable Garden to Meet the Food Needs of the Family," Gertrude Conant.

Tuesday, March 16

Eastern	Central	Mountain	Pacific
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.

WWJ (352.7m-850kc) Tonight's dinner.

10	9	8	7

KDKA (309.1m-970kc) Domestic Science. Arts for the Housewife.
WIP (508.2m-590kc) Menu, Anna Scott.
WJZ (454.3m-660kc) Women's hour.
WRC (468.5m-640kc) Women's hour.

10:45	9:45	8:45	7:45

WTAG (268m-1120kc) Talks to Mothers, Rosebelle Jacobus.

11	10	9	8

WEAR (389.4m-770kc) Home service talk.
WHT (399.8m-750kc) Women's club, Jean Sargent.
WMCA (340.7m-880kc) Home makers' hour.

12 n.	11	10	9

WGN (302.8m-990kc) Household hints.
WQJ (447.5m-670kc) "Easter Hats," Lillian Russell.

12:15 p. m.	11:15	10:15	9:15

WQJ (447.5m-670kc) "What Mothers Should Know About Baby Teeth," Roy Wilson.

12:30	11:30	10:30	9:30

WEBH (370.2m-810kc) Fashion and household talks.

1	12 n.	11	10

KPO (428.3m-700kc) Domestic science talk.

1:30	12:30 p. m.	11:30	10:30

WSUI (483.6m-620kc) "Why Children Need Other Children," Dr. Katharine Graves.

2	1	12 n.	11

WGY (379.5m-790kc) Talks.

3:15	2:15	1:15 p. m.	12:15 p. m.

WHO (526m-570kc) Recipes, household hints.

4	3	2	1

WIP (508.2m-590kc) Menu talk.
WOC (483.6m-620kc) Home management schedule.
WQJ (447.5m-670kc) "Spring Cleaning," Helen Downing.

4:30	3:30	2:30	1:30

WLIT (394.5m-760kc) Household helps and hints.

5	4	3	2

KJR (384.4m-780kc) Home helps.

5:30	4:30	3:30	2:30

KOA (322.4m-930kc) Housewives matinee.

6	5	4	3

KOA (322.4m-930kc) Culinary hints, Clara Hoover.

6:15	5:15	4:15	3:15

KOA (322.4m-930kc) Fashion review, Sally Dee.

7	6	5	4

KFOA (454.3m-660kc) Today's recipe.

8	7	6	5

WPG (299.8m-1000kc) Fashion Flashes.

8:30	7:30	6:30	5:30

KGO (361.2m-830kc) As a Woman Thinketh.

Wednesday, March 17

Eastern	Central	Mountain	Pacific
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.

WWJ (352.7m-850kc) Tonight's dinner.

10	9	8	7

WIP (508.2m-590kc) Menu.
WJZ (454.3m-660kc) Women's hour.
WRC (468.5m-640kc) Women's hour.

10:45	9:45	8:45	7:45

WEAF (491.5m-610kc) Home service talk, Betty Crocker.
WFI (394.5m-760kc) Gold Medal Service talk, Betty Crocker.
WTAG (268m-1120kc) Talk to Housewives, Mrs. Lydia Flanders.

11 a. m.	10 a. m.	9 a. m.	8 a. m.

WHT (399.8m-750kc) Women's club, Jean Sargent.
WNYC (526m-570kc) Women's program.

11:30	10:30	9:30	8:30

KFAB (340.7m-880kc) "The Arrangement of Furnishings in a Home," Edna Benson.

11:45	10:45	9:45	8:45

WCCO (416.4m-720kc) "Pots and Pans and Little Blue Bowls," Betty Crocker.
WDAF (365.6m-820kc) WHT (399.8m-750kc) Home service talk, Betty Crocker.

12 n.	11	10	9

WGN (302.8m-990kc) Household hints.
WQJ (447.5m-670kc) Home Economics program. "Child Welfare." "Unique Salads," E. Ransom.

12:30 p. m.	11:30	10:30	9:30

WEBH (370.2m-810kc) Fashion and household talks.
WGN (302.8m-990kc) Discussion of fashions.

12:35	11:35	10:35	9:35

KYW (535.4m-560kc) Table talk.

1	12 n.	11	10

KPO (428.3m-700kc) Sewing talk.

3	2 p. m.	1 p. m.	12 n.

WCCO (416.4m-720kc) Woman's hour.

4	3	2	1 p. m.

WLW (422.3m-710kc) Cooking school.
WOC (483.6m-620kc) Home management schedule, Aunt Jane.
WQJ (447.5m-670kc) "Planning For a Company Dinner," Helen Downing. "Couldn't Reach," Jean Rich.

5	4	3	2

WMAQ (447.5m-670kc) Recipes.

7	6	5	4

KFOA (454.3m-660kc) Today's recipes.
KLX (508.2m-590kc) Woman's hour.
KMA (252m-1190kc) Domestic science talk.

10:45	9:45	8:45	7:45

KOAC (280.2m-1070kc) "The Magic House—How It Is Protected," Jessamine Williams.

Thursday, March 18

Eastern	Central	Mountain	Pacific
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.

WWJ (352.7m-850kc) Tonight's dinner.

10	9	8	7

WIP (508.2m-590kc) Menu talk.
WJZ (454.3m-660kc) Women's hour.
WRC (468.5m-640kc) Women's hour.

10:45	9:45	8:45	7:45

WTAG (268m-1120kc) Talk, Marjorie Woodman, nurse.

10:50	9:50	8:50	7:50

WMC (499.7m-600kc) Home economics discussion, Miss Kitty.

11	10	9	8

WEAF (491.5m-610kc) Talks, cookery lecture.
WEAR (389.4m-770kc) Home service talk.
WHT (399.8m-750kc) Women's club, Jean Sargent.

12 n.	11	10	9

WGN (302.8m-990kc) Household hints.
WQJ (447.5m-670kc) "Italian Dishes Your Family Will Enjoy," Erna Bertrams.

12:15 p. m.	11:15	10:15	9:15

WQJ (447.5m-670kc) "Short Cuts in Cooking," Beatrice Cary.

12:30	11:30	10:30	9:30

WEBH (370.2m-810kc) Household and fashion talks.

12:35	11:35	10:35	9:35

KYW (535.4m-560kc) Table talks.

4	3 p. m.	2 p. m.	1 p. m.

WOC (483.6m-620kc) Home management schedule, Aunt Jane.
WQJ (447.5m-670kc) "A Spring Breakfast Tray," Helen Downing. Golf lesson.

5	4	3	2

KFOA (454.3m-660kc) Home helps.
KSD (545.1m-550kc) Women's hour.

5:30	4:30	3:30	2:30

KOA (322.4m-930kc) Housewives' matinee.
WCCO (416.4m-720kc) Women's club program.

6:15 p. m.	5:15 p. m.	4:15 p. m.	3:15 p. m.

KOA (322.4m-930kc) Culinary hints, Clara Hoover. Fashion review, Sally Dee.

7	6	5	4

KFOA (454.3m-660kc) Today's recipe.

8:15	7:15	6:15	5:15

KSAC (340.7m-880kc) "Costly Thy Habit as Thy Purse Can Buy," Maria Morris.

9	8	7	6

KUOA (299.8m-1000kc) "Recent Developments in Home Improvement," D. G. Carter. "Milk in the Home," J. Read.

Friday, March 19

Eastern	Central	Mountain	Pacific
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.

WWJ (352.7m-850kc) Tonight's dinner.

10	9	8	7

KDKA (309.1m-970kc) Domestic science and Arts for the Housewife.
WJZ (454.3m-660kc) Women's hour.
WRC (468.5m-640kc) Women's hour.

10:45	9:45	8:45	7:45

WTAG (268m-1120kc) Food hints, Mildred Thomas.

11	10	9	8

WHT (399.8m-750kc) Women's hour, Jean Sargent.
WTIC (475.9m-630kc) "China and Glassware," B. Morency. "Children's Books and Reading," Belle Holcomb.

11:30	10:30	9:30	8:30

KFAB (340.7m-880kc) "Making a House a Home," Margaret Fedde.
WTIC (475.9m-630kc) Housewives' forum.

11:45	10:45	9:45	8:45

WCCO (416.4m-720kc) "Lenten Dishes You Will Like," Betty Crocker.
WDAF (365.6m-820kc), WEAR (389.4m-770kc) Betty Crocker's Home service talk.

12 n.	11	10	9

WGN (302.8m-990kc) Household hints.
WQJ (447.5m-670kc) Sunday Dinner Menu, Ted Wilmes.

12:15 p. m.	11:15	10:15	9:15

KYW (535.4m-560kc) Meat talk.

12:30	11:30	10:30	9:30

WEBH (370.2m-810kc) Household and fashion talks.
WGN (302.8m-990kc) Discussion of fashions.

12:35	11:35	10:35	9:35

KYW (535.4m-560kc) Table talk.

1:45	12:45 p. m.	11:45	10:45

WOAW (526m-570kc) Sunshine Sunday dinner menu.

3	2	1 p. m.	12 n.

WCCO (416.4m-720kc) Women's hour.

3:15	2:15	1:15	12:15 p. m.

WHO (526m-570kc) Recipes, household hints.

4	3	2	1

WOC (483.6m-620kc) Home Management, Aunt Jane.
WQJ (447.5m-670kc) Tenth Domestic Science lesson—"Candy Making," Helen Downing. "The Elimination of Food Spoilage," Catherine Spengler.

4:30	3:30	2:30	1:30

WFAA (475.9m-630kc) Homemakers program.
WMAQ (447.5m-670kc) Foibles of the Moment.

5	4	3	2

KJR (384.4m-780kc) Home helps.
KYW (535.4m-560kc) Woman's hour.

5:15	4:15	3:15	2:15

WMAQ (447.5m-670kc)

5:30	4:30	3:30	2:30

KOA (322.4m-930kc) Housewives matinee.

6	5	4	3

KOA (322.4m-930kc) Culinary hints.

6:15	5:15	4:15	3:15

KOA (322.4m-930kc) Fashion review.

10:30	9:30	8:30	7:30

KOAC (280.2m-1070kc) "Bringing Pure Water to the Householder." H. Rogers.
KWSC (348.6m-860kc) "Curtains for a Girl's Room," Gladys Gallup.

AN EVENING AT HOME WITH THE LISTENER IN
IN CENTRAL TIME

Call	Location	Met.	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday
AT9	Fort Bragg, N. C.	435	Silent	5:00- 6:00	Silent	Silent	Silent	7:00- 8:55	Silent
CFCA	Toronto, Ont.	356.9	Silent	6:00- 8:00	5:45- 6:45	Silent	6:00-11:00	Silent	Silent
CFCN	Calgary, Alta.	356.9	11:00- 1:00	Silent	Silent	Silent	Silent	9:00-10:00	Silent
CJCA	Edmonton, Can.	434.5	10:00-12:00	8:30- 9:30	8:30-10:30	8:30- 9:00	7:00- 9:00	10:00-12:00	9:00-12:00
CKAC	Montreal, Que.	516.9	6:00-10:30	1:45- 2:45	Silent	6:00-10:30	Silent	6:30- 8:30	Silent
CKCL	Toronto, Ont.	410.7	6:00- 7:00	2:00- 3:55	Silent	6:00-10:50	Silent	6:00- 7:00	Silent
CKNC	Toronto, Ont.	356.9	7:00- 9:00	Silent	7:00-10:00	Silent	Silent	Silent	Silent
CKY	Winnipeg, Man.	384.4	8:00-11:00	7:00-10:00	8:00-12:00	Silent	7:30-11:00	8:30-11:00	Silent
CNRO	Ottawa, Ont.	434.5	7:30-12:30	Silent	Silent	Silent	7:30-12:30	Silent	Silent
CYL	Mexico City, Mex.	480	Silent	9:24-10:54	Silent	9:24-10:54	Silent	Silent	9:24-10:54
CZE	Mexico City, Mex.	350	8:24- 9:24	Silent	8:24- 9:24	8:24- 9:24	8:24- 9:24	8:24- 9:24	8:24- 9:24
KDKA	Pittsburgh, Pa.	309.1	5:30- 8:55	3:00- 7:45	5:30- 8:55	5:30-11:35	5:30- 8:55	5:30-11:00	5:30-10:05
KFAB	Lincoln, Nebr.	340.7	5:30- 2:00	4:00-11:00	5:30- 2:00	5:30-10:30	5:30-10:30	Silent	5:30-10:30
KFDM	Beaumont, Tex.	315.6	Silent	8:00- 9:00	Silent	8:00-10:30	Silent	Silent	8:00-10:30
KFI	Los Angeles, Cal.	467	8:00- 5:00	6:00- 1:00	8:00- 1:00	8:00- 1:00	8:00- 1:00	8:00- 1:00	8:00- 1:00
KFJF	Okla. City, Okla.	260.7	6:30-10:45	2:30-11:45	6:30-10:45	6:30- 7:30	6:30-12:00	6:30-10:45	6:30-10:45
KFKX	Hastings, Nebr.	288.3	5:30- 6:30	Silent	5:30-11:00	5:30- 6:30	5:30-11:00	5:30- 8:00	5:30-11:00
KUOA	Fayetteville, Ark.	299.8	Silent	Silent	7:30- 8:30	8:00- 9:00	Silent	8:00- 9:00	Silent
KFMX	Northfield, Minn.	336.9	Silent	7:00- 8:00	Silent	9:30-10:00	9:00-10:00	Silent	10:00-11:00
KFNF	Shenandoah, Ia.	263	7:00-12:00	2:30- 8:30	7:00- 9:00	7:00- 9:00	7:00- 9:00	7:00- 9:00	7:00- 9:00
KFOA	Seattle, Wash.	454.3	11:30- 1:00	Silent	9:00-12:00	8:00- 1:00	9:00-12:00	Silent	8:00- 1:00
KFON	Long Beach, Cal.	232.4	8:00- 1:00	8:00-11:30	8:00- 1:00	8:00- 1:00	8:00- 1:00	8:00- 1:00	8:00- 1:00
KFRU	Columbia, Mo.	499.7	Silent	7:30- 8:30	6:15- 7:15	6:15- 7:15	9:00-11:30	6:15- 7:15	12:00- 2:00
KFUO	St. Louis, Mo.	545.1	Silent	4:00-10:15	8:00- 9:00	Silent	9:15-10:15	Silent	Silent
KFVE	Univ'ty City, Mo.	240	9:15-10:15	Silent	9:15-10:15	9:15-10:15	9:15-10:15	Silent	9:15-10:15
KFWA	Ogden, Utah	260.7	10:00- 1:00	Silent	Silent	Silent	10:00- 1:00	Silent	Silent
KFWB	Hollywood, Calif.	252	10:00- 1:00	11:00- 1:00	9:30- 1:00	10:00- 1:00	10:00- 1:00	10:00- 1:00	9:10- 1:00
KFXF	Colorado Springs	250	8:00-10:00	6:30- 8:00	7:30- 9:30	7:30- 9:30	Silent	8:00-10:00	Silent
KGO	Oakland, Calif.	361.2	10:30- 2:00	5:30-10:30	8:00-12:00	8:00- 2:00	8:00- 9:00	10:00- 3:00	8:00- 9:00
KGW	Portland, Ore.	491.5	8:00- 2:00	8:00-12:00	8:00-12:00	8:00- 2:00	8:00- 1:00	8:00-10:00	8:00- 2:00
KHJ	Los Angeles, Cal.	405.2	8:30-12:00	6:00-12:00	Silent	8:30-12:00	8:30-12:30	8:30-12:00	8:30-12:00
KIAF	Sihtipok, Minn.	421	Silent	4:00- 5:00	9:00-10:00	Silent	9:00-10:00	Silent	9:00-10:00
KJR	Seattle, Wash.	384.4	10:30-12:00	7:00-12:30	9:00-12:00	9:00-12:00	9:00-12:00	9:00- 2:00	9:00-12:00
KLDS	Independence Mo.	440.9	8:00- 9:00	6:30-10:00	Silent	8:00-11:59	Silent	8:00- 9:00	Silent
KLX	Oakland, Calif.	508.2	Silent	Silent	6:00-12:30	Silent	6:00-12:00	Silent	6:00-12:30
KMA	Shenandoah, Ia.	252	6:00-11:00	4:00- 6:00	6:00-11:00	6:00-11:00	6:00-11:00	6:00-11:00	6:00-11:00
KMOX	St. Louis, Mo.	280.2	6:00-11:00	Silent	6:00-11:00	6:00-11:00	6:00-11:00	Silent	6:00-11:00
KNX	Hollywood, Cal.	336.9	8:15- 4:00	8:30-12:30	8:30- 2:00	8:15- 2:00	8:15- 2:00	8:15- 2:00	8:15- 2:00
KOA	Denver, Colo.	322.4	10:00-12:00	4:00- 9:45	7:30-11:30	7:30- 9:30	7:30- 1:00	7:30- 8:30	7:30-10:00
KOB	StateCollege, N.M.	348.6	Silent	Silent	8:30- 9:30	Silent	Silent	Silent	8:30- 9:30
KOIL	Council Bluffs, Ia	278	7:00- 3:00	7:00-12:00	6:00-12:00	6:00-12:00	6:00- 7:15	6:00-12:00	7:00-12:00
KPO	SanFrancisco, Cal	428.3	8:35- 2:00	7:00-12:00	8:40- 1:00	8:40- 1:00	8:40- 1:00	8:40- 1:00	8:30-1:00
KPRC	Houston, Texas	296.9	7:30-12:00	7:30-10:30	7:30-10:00	7:30- 9:30	7:30-12:00	7:30-12:00	Silent
KPSN	Pasadena, Calif.	315.6	10:00-12:00	8:45-10:45	Silent	10:00-11:30	Silent	10:00-11:00	Silent
KSD	St. Louis, Mo.	545.1	7:00-10:00	6:15- 9:15	7:00-12:00	6:55-10:00	7:00- 9:00	6:55-10:00	7:00-10:00
KSL	Salt Lake City, U	299.8	9:00-12:00	9:00-11:00	9:00-12:00	8:30-11:30	8:30-11:30	8:45-12:00	8:30-12:00
KTAB	Oakland, Calif.	240	Silent	9:45- 1:00	10:00-12:00	10:00-12:00	Silent	10:00-12:00	10:00-12:00
KTBI	Los Angeles, Cal.	293.9	Silent	9:15-11:30	Silent	10:00-11:00	Silent	10:00-11:00	Silent
KTCL	Seattle, Wash.	305.9	Silent	8:10-11:10	9:00-10:00	10:00-11:00	Silent	Silent	9:00- 2:00
KTHS	Hot Springs, Ark.	374.8	9:00-10:30	9:00-11:30	9:00-11:00	9:00-10:30	9:00-11:00	9:00-10:45	9:00-11:00
KTW	Seattle, Wash.	455	Silent	9:00-11:30	Silent	Silent	Silent	Silent	Silent
KUOA	Fayetteville, Ark.	299.8	Silent	Silent	Silent	7:30- 8:30	8:00- 9:00	Silent	Silent
KWKH	Shreveport, La.	260.7	9:00-12:00	7:00-11:00	10:00-11:30	9:00-12:00	Silent	8:00- 9:30	Silent
KWSC	Pullman, Wash.	348.6	Silent	Silent	9:30-11:00	Silent	9:30-11:00	Silent	9:30-11:00
KWWG	Brownsville, Tex.	278	6:00- 7:00	2:30- 3:30	8:30- 9:30	6:00- 7:00	6:00- 7:00	6:00- 7:00	6:00- 7:00
KYW	Chicago, Ill.	535.4	6:00- 1:00	2:30-10:30	Silent	6:00-12:00	6:00- 1:30	6:00- 2:00	6:00- 1:30
NAA	Radio, Va.	434.5	Silent	Silent	6:45- 7:00	7:30- 8:30	Silent	Silent	Silent
PWX	Havana, Cuba	400	7:30-10:00	7:00- 9:00	7:30-10:00	7:30-10:00	7:00- 9:00	Silent	7:30-10:00
WADC	Akron, Ohio	258	5:30- 6:30	5:30- 6:30	5:30- 6:30	5:30-10:00	5:30- 6:30	5:30-10:00	5:30-10:00
WAHG	Richmond, N. Y.	315.6	11:00- 1:00	Silent	6:30- 1:00	Silent	6:30-11:00	Silent	7:00-10:00
WAMD	Minneapolis, Minn	244	6:15-10:30	6:15-10:30	7:00-12:00	Silent	7:00-12:00	6:15-12:00	6:15-12:00
WBAL	Baltimore, Md.	246	Silent	5:30- 7:30	5:30- 9:00	5:30- 9:00	Silent	5:00- 9:00	5:30- 9:00
WBAP	Fort Worth, Tex.	475.9	6:00-11:00	5:00-11:00	6:00-12:00	6:00-11:00	6:00- 6:30	6:00-12:00	6:00-12:00
WBAR	Sisiht, Wis.	406	Silent	10:00-11:00	9:00-10:00	Silent	8:00- 9:00	7:30- 8:30	Silent
WBBM	Chicago, Ill.	226	8:00- 2:00	4:00- 2:00	6:00- 7:00	8:00-12:00	8:00- 2:00	8:00-12:00	8:00-10:00
WBBR	StatenIsland, N.Y.	272.6	7:00- 9:00	8:00- 9:15	7:00- 8:00	Silent	Silent	7:00- 8:00	Silent
WBCN	Chicago, Ill.	266	9:00- 1:00	5:00-12:00	Silent	9:00- 1:00	8:00-12:00	9:00- 2:00	9:00- 1:00
WBZ	Springfield, Mass.	333.1	5:30- 9:00	6:00- 8:00	5:30- 9:30	5:30- 9:15	5:30- 9:00	5:30- 9:00	5:30- 9:00
WCAE	Pittsburgh, Pa.	461.3	7:30- 8:30	5:30- 9:15	5:30-11:00	5:30-11:00	5:30- 9:00	5:30-10:00	5:30- 9:30
WCAP	Washington, D.C.	468.5	Silent	3:00- 9:15	6:00-10:00	Silent	6:00-10:00	Silent	5:00-11:00
WCAU	Philadelphia, Pa.	278	Silent	4:00-10:30	7:00-10:30	5:45-10:30	5:45-11:00	5:30-11:30	5:45-10:30
WCBD	Zion, Ill.	344.6	Silent	8:00-10:30	Silent	8:00-10:30	Silent	8:00-10:30	Silent
WCCO	Minn.-St.P.,Minn.	416.4	6:15-11:05	4:10- 8:15	6:30-10:00	6:15-10:00	6:45-12:30	7:00-11:05	6:15-11:05
WCOA	Pensacola, Fla.	222	1:00-12:00	Silent	6:30- 7:30	Silent	6:30- 7:30	Silent	6:30- 7:30
WCX	Detroit, Mich.	516.9	5:00- 6:00	6:15- 7:15	5:00- 8:00	5:00- 1:00	5:00- 8:00	5:00- 8:00	5:00- 9:00
WDAF	Kansas City, Mo.	365.6	6:00- 1:00	4:00- 4:45	6:00- 1:00	6:00- 1:00	6:00- 1:00	6:00- 1:00	6:00- 1:00
WDBO	Winter Park, Fla.	240	8:00- 9:30	4:00- 5:00	8:00- 9:30	8:30-10:00	8:00- 9:30	8:00- 9:30	8:00- 9:30
WDWF	Providence, R.I.	440.9	Silent	Silent	Silent	6:45- 7:00	6:25- 7:40	6:45- 7:00	6:45- 7:00
WEAF	New York, N.Y.	491.5	5:00-11:00	1:00- 9:15	5:00-11:00	5:00-11:00	5:00-11:00	5:00-11:00	5:00-11:00
WEAN	Providence, R.I.	270.1	5:30- 9:30	6:30- 7:45	5:30- 9:30	5:30- 9:30	5:30- 9:30	5:30- 9:30	Silent
WEAO	Columbus, Ohio	293.9	Silent	Silent	Silent	6:00- 8:00	7:00- 8:00	7:00-10:00	Silent
WEAR	Cleveland, Ohio	389.4	6:00-12:00	6:00- 9:15	6:00- 7:00	6:00-11:00	6:00- 7:00	6:00-10:00	6:00-11:00
WEBH	Chicago, Ill.	370.2	7:00- 2:00	5:00- 9:00	Silent	7:00-12:30	7:00-12:30	7:00-12:30	7:00-12:30
WEBJ	New York, N.Y.	272.6	Silent	Silent	Silent	7:00- 9:00	7:00- 9:00	Silent	6:00- 8:00
WEEI	Boston, Mass.	348.6	7:10-10:00	2:00- 9:15	5:15-10:00	6:30-10:30	5:15-10:00	6:30-10:00	6:30-10:00
WENR	Chicago, Ill.	266	6:00- 2:00	2:00-12:00	Silent	6:00-10:00	6:00- 2:00	6:00-10:00	6:00- 2:00
WFAA	Dallas, Texas	475.9	6:30-12:00	6:00-12:00	6:30- 9:30	6:30-12:00	Silent	6:30-12:00	6:30- 9:30
WFBH	New York, N.Y.	272.6	10:30- 1:00	4:00- 7:00	10:30- 1:00	10:30- 1:00	10:30- 1:00	10:30- 1:00	10:30- 1:00
WFI	Philadelphia, Pa.	394.5	5:30-11:00	3:30- 4:30	5:30- 7:00	5:30-10:30	5:30- 7:00	5:30-10:00	5:30- 7:00
WGBS	New York, N.Y.	315.6	5:00-10:30	7:00- 8:00	6:00- 6:15	5:00-10:30	5:00- 7:30	5:00- 7:45	Silent
WGBU	Fulford, Fla.	278	5:30-12:00	8:30-11:00	5:30-12:00	5:30-12:00	5:30-12:00	5:30-12:00	5:30-12:00
WGCP	New York, N.Y.	252	Silent	7:00-10:15	7:00-10:00	Silent	7:00-10:15	Silent	7:00-10:00
WGES	Oak Park, Ill.	250	5:00- 1:00	5:00-12:00	5:00- 7:00	5:00- 1:00	5:00- 1:00	5:00- 1:00	5:00- 1:00
WGHB	Clearwater, Fla.	266	5:30-12:00	Silent	5:30-12:00	5:30-12:00	5:30-12:00	5:30-12:00	5:30-12:00
WGHP	Detroit, Mich.	270	Silent	Silent	6:00- 1:00	6:00- 1:00	6:00- 1:00	6:00- 1:00	6:00- 1:00
WGN	Chicago, Ill.	302.8	6:30-10:00	3:00- 9:15	6:30- 7:00	6:30-11:00	6:30-11:00	6:30-11:00	6:30-11:00
WGR	Buffalo, N. Y.	319	Silent	6:45- 9:15	5:30-11:00	5:30-10:00	5:30-12:00	5:30-10:00	5:30-11:00
WGY	Schenectady, N.Y.	379.5	5:30-11:00	2:00- 8:15	5:30- 7:45	5:30-10:30	5:30- 8:05	5:30-11:30	6:00-10:30
WHAD	Milwaukee, Wis.	275.1	Silent	3:15- 4:15	6:15-10:00	6:15- 7:00	6:15-12:30	6:15- 7:00	6:15-10:00
WHAR	AtlanticCity, N.J.	275.1	6:30- 8:00	6:50- 9:00	6:30-11:00	6:30- 8:00	Silent	6:30-11:00	6:30- 8:00
WHAS	Louisville, Ky.	399.8	7:30- 9:00	4:30- 5:30	Silent	7:30- 9:30	7:30- 9:00	7:30- 9:00	7:30- 9:00
WHAZ	Troy, N.Y.	379.5	Silent	Silent	8:00-11:00	Silent	Silent	Silent	Silent
WHB	Kansas City, Mo.	365.6	Silent	8:00- 1:00	7:00- 8:00	7:00-10:00	7:00- 8:00	7:00-10:00	7:00- 8:00
WHN	New York, N.Y.	361.2	6:30- 9:00	8:00- 1:00	7:00-11:00	8:30- 9:00	9:00-10:30	7:00- 9:00	6:30-11:30
WHO	Des Moines, Ia.	526	Silent	7:30- 8:30	7:30-12:00	7:30-12:00	6:00-12:00	7:30-12:00	7:30-12:00
WHT	Chicago, Ill.	399.8	7:00- 1:00	12:00-10:30	Silent	7:00- 1:00	7:00- 1:00	7:00- 1:00	7:00- 1:00
WIBO	Chicago, Ill.	226	6:00- 8:00	6:00-12:00	Silent	6:00- 2:00	6:00-12:00	6:00- 2:00	6:00- 2:00
WIP	Philadelphia, Pa.	508.2	5:05-11:05	3:00- 4:00	5:05- 7:00	5:05-10:30	5:05- 7:00	5:05-10:15	5:05- 7:00
WJAR	Providence, R. I.	305.9	Silent	6:20- 9:15	6:30-10:00	6:30- 8:05	6:30-10:00	6:45-10:00	6:30-11:00
WJAS	Pittsburgh, Pa.	275.3	6:00-11:00	Silent	6:00-11:00	6:00-11:00	6:00- 1:00	6:00-11:00	6:00-11:00
WJAX	Jacksonville, Fla.	336.9	7:00- 9:00	6:30- 7:30	7:00- 9:00	7:00-11:00	7:00- 9:00	7:00-11:00	7:00- 9:00
WJAZ	Chicago, Ill.	322.4	Silent	Silent	Silent	Silent	Silent	10:00-12:00	Silent
WJJD	Mooseheart, Ill.	370.2	5:30- 1:00	3:00- 4:00	Silent	5:30- 1:00	5:30- 1:00	5:30- 1:00	5:30- 1:00
WJR	Pontiac, Mich.	516.9	6:00-11:30	Silent	6:00-11:30	6:00- 9:00	6:00-11:30	6:00-10:00	6:00- 9:00
WJZ	New York, N.Y.	454.3	6:00-10:30	6:00-10:00	8:00- 9:00	6:00-10:30	6:00-10:30	6:00-10:45	6:00-10:30
WKAQ	San Juan, P. R.	340.7	Silent	Silent	Silent	Silent	6:00- 8:00	6:00- 8:00	6:00- 8:00
WKAR	Lansing, Mich.	285.5	11:30- 1:00	Silent	6:15- 8:00	6:15- 7:00	6:15- 8:00	6:15- 7:00	6:15- 8:00
WKRC	Cincinnati, Ohio	422.3	10:00-12:45	6:45-12:30	6:00- 1:00	10:00-12:00	6:00- 1:00	10:00-12:15	Silent
WLIB	Chicago, Ill.	302.8	6:00- 1:00	5:00- 7:00	Silent	7:00- 1:00	7:00- 1:00	7:00- 1:00	7:00- 1:00
WLIT	Philadelphia, Pa.	394.5	6:30- 7:30	6:00- 7:30	6:30-10:45	6:30- 6:50	6:30-10:30	6:30- 7:30	6:30-11:00
WLS	Chicago, Ill.	344.6	7:00- 1:00	6:00- 7:55	Silent	7:00- 8:00	7:00-11:30	7:00- 8:55	7:00-11:30
WLW	Cincinnati, Ohio	422.3	7:00-10:30	3:00- 9:30	6:00- 9:00	6:00-10:00	6:00-12:00	7:00- 1:15	Silent
WLWL	New York, N.Y.	288.3	Silent	6:00- 7:00	7:00- 9:00	Silent	Silent	7:00- 9:00	Silent
WMAK	Lockport, N.Y.	265.5	5:15-11:00	6:30- 7:30	6:30- 9:00	5:15- 6:15	6:30- 9:00	5:15- 6:15	Silent
WMAQ	Chicago, Ill.	447.5	8:00-10:00	Silent	Silent	8:00-10:15	8:00- 9:45	7:00-11:00	8:00-10:15
WMAZ	Macon, Ga.	260.7	Silent	Silent	9:00-10:00	7:00- 8:00	10:00-11:00	9:00-10:00	7:00-10:00
WMBB	Chicago, Ill.	250	7:00-11:00	3:00-11:00	Silent	7:00-11:00	7:00-11:00	7:00-11:00	7:00-11:00
WMBF	Miami Beach, Fla	384.4	6:00-12:00	6:00-12:00	6:00-12:00	6:00-12:00	6:00-12:00	6:00-12:00	6:00-12:00
WMC	Memphis, Tenn.	499.7	7:15- 9:30	Silent	7:15- 9:00	7:15-12:00	Silent	7:15- 9:45	7:15-12:00
WMCA	New York, N.Y.	340.7	8:00-12:00	6:00- 9:00	8:00-11:00	7:00-11:00	8:00-11:00	8:00-11:00	7:00-10:45
WNAC	Boston, Mass.	280.2	5:00-10:00	2:15- 7:45	5:30- 9:45	5:00- 8:00	5:00- 9:00	5:00- 8:00	5:00-10:00
WNYC	New York, N.Y.	526	6:00- 9:30	8:00-10:00	6:35- 9:30	6:10- 9:30	6:30- 9:30	6:35- 9:30	6:30- 9:30
WOAI	San Antonio, Tex.	394.5	Silent	7:30-10:30	Silent	8:30-10:30	8:30- 9:30	Silent	8:30- 9:30
WOAN	Lawrenceb'g, Tenn	282.8	Silent	9:00-10:00	9:00- 1:30	9:00-10:00	9:00-10:00	9:00-10:00	9:00-10:00
WOAW	Omaha, Nebr.	526	6:00-12:00	6:00- 9:00	6:00-11:00	6:00- 1:00	Silent	6:00- 1:00	6:00-11:15
WOAX	Trenton, N. J.	240	Silent	8:30-10:30	Silent	Silent	Silent	Silent	Silent
WOC	Davenport, Iowa	483.6	6:30-12:00	6:30-11:45	Silent	6:30-11:30	6:30-10:30	6:30-12:00	6:30-10:30
WOK	Homewood, Ill.	217.3	10:00- 1:00	6:30- 8:30	Silent	10:00- 1:00	10:00- 1:00	10:00- 1:00	10:00- 1:00
WOO	Philadelphia, Pa.	508.2	6:30- 7:30	5:05- 9:15	6:30-11:00	6:30- 7:30	6:30-11:00	6:30- 7:30	6:30-11:00
WOQ	Kansas City, Mo.	278	8:00-11:00	7:00- 7:45	Silent	8:00- 9:00	Silent	7:00- 9:00	Silent
WOR	Newark, N. J.	405.2	5:15- 7:30	Silent	5:15- 8:30	5:15- 6:30	5:15-11:00	5:15- 6:30	5:15- 6:30
WORD	Batavia, Ill.	275	7:00-10:25	2:30-10:00	Silent	7:00-12:45	7:00-12:00	8:00-10:00	7:00-12:45
WOS	JeffersonCity, Mo.	440.9	Silent	8:00- 9:00	8:00-10:00	Silent	8:00-10:00	Silent	8:00-10:00
WPG	Atlantic City, N.J.	299.8	5:45-11:00	2:15-10:00	5:45-11:15	5:45-11:00	Silent	5:45-11:00	5:45-11:00
WQJ	Chicago, Ill.	447.5	7:00- 3:00	7:00-10:00	Silent	7:00- 2:00	7:00- 2:00	7:00- 2:00	7:00- 2:00
WRC	Washington, D.C.	468.5	6:15-10:30	Silent	Silent	6:00-10:30	Silent	6:00-11:30	Silent
WREO	Lansing, Mich.	285.5	5:00-11:00	6:00- 7:00	5:00- 6:00	5:00- 8:15	5:00- 6:00	5:30-11:30	Silent
WRVA	Richmond, Va.	256	Silent	Silent	7:10- 9:10	Silent	7:10-10:00	8:30-11:30	6:00-10:00
WRW	Tarrytown, N.Y.	273	8:00-10:30	7:00-10:30	8:00-10:30	8:00-10:30	8:00-10:30	8:00-10:30	8:00-10:30
WSAI	Cincinnati, Ohio	325.9	7:30- 1:00	3:00-10:15	10:00-11:00	7:00-10:00	7:00-10:15	7:00-10:00	Silent
WSB	Atlanta, Ga.	428.3	8:00-12:00	7:30- 9:15	8:00-12:00	8:00-12:00	10:45-12:00	8:00-12:00	8:00-12:00
WSM	Nashville, Tenn.	282.2	6:30-12:00	Silent	6:30-11:00	10:00-12:00	6:30-11:00	Silent	6:30-11:00
WSMB	New Orleans, La.	319	9:30-11:30	Silent	9:30-11:30	Silent	9:30-11:30	9:30-11:30	Silent
WSUI	Iowa City, Iowa	483.6	Silent	9:15- 9:45	7:30- 8:30	Silent	7:45- 8:45	Silent	Silent
WSWS	Chicago, Ill.	275.1	6:00- 1:00	Silent	6:00- 7:00	6:00- 1:00	6:00- 1:00	6:00- 1:00	6:00- 1:00
WTAG	Worcester, Mass.	268	Silent	3:00- 9:15	6:00-10:00	6:45-10:00	6:45-10:00	7:00-10:00	7:00- 9:30
WTAM	Cleveland, Ohio	389.4	5:00-11:00	Silent	5:00-11:00	5:00- 6:00	5:00-11:00	5:00- 6:00	5:00- 6:00
WTIC	Hartford, Conn.	475.9	5:30-11:00	4:00- 9:30	5:30-11:00	Silent	5:30- 9:00	5:30- 6:30	5:30-11:00
WWJ	Detroit, Mich.	352.7	Silent	5:20- 9:15	5:00- 8:00	5:00- 8:00	5:00- 9:00	5:00-11:30	5:00- 9:00

STATIONS IN ORDER OF WAVE LENGTHS

Meters	Call	Meters	Call	Meters	Call	Meters	Call	Meters	Call	Meters	Call
217.3	WOK	268	WTAG	293.9	WEAO	344.6	WLS	399.8	WHT	468.5	WRC
222	WCOA	270.1	WEAN	296.9	KPRC	348.6	KOB	400	PWX	475.9	WBAP
226	WBBM	270.1	WGHP	299.8	KUOA	348.6	KWSC	405.2	KHJ	475.9	WTIC
226	WIBO	272.3	KWKH	299.8	KSL	348.6	WEEI	405.2	WOR	475.9	WFAA
232.4	KFON	272.6	WBBR	299.8	WPG	350	CZE	406	WBAR	480	CYL
240	KFVE	272.6	WEBJ	302.8	WGN	352.7	WWJ	410.7	CKAC	483.6	WOC
240	KTAB	272.6	WFBH	302.8	WLIB	356.9	CFCA	416.4	WCCO	483.6	WSUI
240	WDBO	273	WRW	305.9	KTCL	356.9	CKCL	421	KIAF	491.5	KGW
240	WOAX	275.1	WHAD	305.9	WJAR	356.9	CKNC	422.3	WLW	491.5	WEAF
244	WAMD	275.1	WHAR	309.1	KDKA	361.2	KGO	422.3	WKRC	499.7	KFRU
246	WBAL	275.1	WORD	315.6	KFDM	361.2	WHN	428.3	WSB	499.7	WMC
250	KFXF	275.1	WSWS	315.6	KPSN	365.6	WDAF	428.3	KPO	508.2	KLX
250	WGES	275.3	WJAS	315.6	WAHG	365.6	WHB	434.5	CNRO	508.2	WIP
250	WMBB	278	KOIL	315.6	WGBS	370.2	WEBH	434.5	CFCN	508.2	WOO
252	KFWB	278	KWWG	319	WGR	370.2	WJJD	434.5	NAA	516.9	CJCA
252	KMA	278	WCAU	319	WSMB	374.8	KTHS	435	AT9	516.9	WCX
252	WGCP	278	WGBU	322.4	KOA	379.5	WGY	440.9	KLDS	516.9	WJR
256	WRVA	278	WOO	322.4	WJAZ	379.5	WHAZ	440.9	WDWF	526	WHO
258	WADC	280.2	KMOX	325.9	WSAI	384.4	CKY	440.9	WOS	526	WNYC
260.7	KFWA	280.2	WNAC	333.1	WBZ	384.4	KJR	447.5	WMAQ	526	WOAW
260.7	KFJF	282.8	WOAN	336.9	KNX	384.4	WMBF	447.5	WQJ	535.4	KYW
260.7	KWKH	282.8	WSM	336.9	KFMX	389.4	WEAR	454.3	KFOA	545.1	KFUO
260.7	WMAZ	285.5	WKAR	336.9	WJAX	389.4	WTAM	454.3	WJZ	545.1	KSD
263	KFNF	285.5	WREO	340.7	KFAI	394.5	WFI	455	KTW		
265.6	WMAK	288.3	KFKX	340.7	WKAQ	394.5	WLIT	461.3	WCAE		
266	WBCN	288.3	WLWL	340.7	WMCA	394.5	WOAI	467	KFI		
266	WGHB	293.9	KTBI	344.6	WCBD	399.8	WHAS	468.5	WCAP		

RECIPE FOR APPLE PIE

(Continued from page 11)

ing. Sift flour and salt together. Cut in the shortening. Add enough ice water to make a stiff dough. Turn out on a board and divide the dough in halves. Roll out one crust to fit the pie tin. Fit the crust into the pan lightly. Do not stretch the dough. Fill the crust with apples which have been mixed with sugar and cinnamon. Dot with the butter. Moisten the edge of the undercrust. Fold top crust in half, making several cuts through which the steam may escape. Cover the pie with the top crust. Press the two edges together with a fork. Trim off edges of crust. Bake 40 minutes. Have the oven very hot for the first 5 or 7 minutes, 500 degrees Fahrenheit. When the crust begins to brown, reduce the heat. Finish baking in a moderate oven, 380 degrees Fahrenheit. This amount will make a pie nine inches in diameter or six good servings.

If you wish a rich flaky top crust on the pie, dot it with one tablespoon of butter after the crust is rolled out. Fold several times and roll to fit the pie tin.

Keep Materials Cold

In making pie crust, if all of the materials and utensils are cold, the dough is easier to handle and you will have better results.

The directions say to cut in the fat. We use two knives or a chopping knife for that purpose. The fat should be very hard and cold. If you work it in with the fingers, your fingers warm it and press it into the flour. The pastry is much better if the fat is cut or chopped in until it has the appearance of corn meal. You may do this with a chopping knife or with two knives cutting across each other like a pair of scissors.

Cover Board with Canvas

Use just enough water to make a paste that will hold together. Good pastry should be so cold and dry that practically no flour is needed on the board. That means that the paste should not be at all sticky. If you add too much water, you must work in more flour, and kneading pastry makes it tough. In this recipe made with Gold Medal flour, 5 tablespoons of water is the correct amount, but add that amount very gradually. Any pie paste, and particularly a rich flaky paste may be handled more easily if a canvas covering is placed over the bread board. Any fine canvas or firm toweling will answer the purpose. To cover the rolling pin, a child's white stocking with the foot cut off is very satisfactory. Fasten the ends of the canvas firmly on to the board, and rub flour into it before rolling the paste.

It is always better to allow the finished dough to stand for some time before using it. Roll half of the dough at a time, rolling it in the shape of the pan. Ease the crust into the pan. Do not stretch it as it will shrink a little during baking. Some cooks trim the bottom crust as soon as it is in the pan, but I think you can secure a better edge, especially for juicy pies, if the crust is not trimmed until the top crust is on and the edges fitted together. The edge of the undercrust should always be moistened before the top crust is put on, in order to make the edges stick together better.

When cutting holes in the top crust, be careful to keep the holes near the center. If they are too close to the edge, the juice will run out.

Keep from Running Over

It is quite a problem to keep an apple pie from running over. Having the edges firmly pressed together and the holes near the center will help some. Many cooks like to place a small paper funnel in the center of the pie so that the juice will bubble up in the funnel rather than running over on the stove.

There is one more item that would be added if this pie were made in my kitchen, and that is, "serve with cheese," but no doubt many of you are not as fond of cheese as I am.

SHORT WAVES

By Marcella

(Continued from page 11)

who has charge of KYW's afternoon frolics, Tuesday, Thursday and Saturday, is "Sen" (A. W.) Kaney. Yes, he's also married.

* *

Val McLaughlin ex-WOC Sandman and later at WOAW, is now in Chicago, according to reports, but we do not believe she has made a definite connection with any of the stations. Will try to learn more, "Jayhawker," to answer your inquiry.

* *

Ted Lewis of WHN fame is NOT the former prize fighter and champ, "L.L." Who wrote the "Prisoner's Song?" Well, Guy Mussey holds the copyright, although there is a serious controversy on. I don't believe Morrel Moore of WHB is related to Al Carney of WHT. Jack Little is touring the stations, but I don't always know in advance where he is going to be next. Tommy Malie has been lost. Haven't heard from him for a long time. Paul Small is reported to be working for some St. Louis music house. Sammy Stept is in New York and often heard over WJZ. The "Silver Masked Tenor" prefers to remain, and is, a mystery. Even I do not know who he is.

* *

Bonnie Ann would know more of L. P. or Lester Palmer of WOAW, Woodmen of the World station at Omaha. Well, Lester is 25 years old, American born of Swedish extraction, member of the English Lutheran church, and belongs to the Tangier Temple Shrine. He is studying law and in June will hang out his shingle. Not only is he program director and announcer, but he writes songs. "Truly I Do" and "Won't You Believe in Me?" are two of his recent hits. Sounds suspicious, doesn't it, even if he is single?

* *

What deep secret would you like to know about your favorite broadcast star? Drop me a note, girls and boys, and I'll do by best to answer here. MARCELLA.

ADVANCE PROGRAMS FOR THE WEEK

Saturday, March 13

Headliners Today

Eastern	Central	Mountain	Pacific
8:15 p. m.	7:15 p. m.	6:15 p. m.	5:15 p. m.

WJZ (454.3m-660kc), WGY (379.5m-790kc), Leiderkranz concert.

8:30	7:30	6:30	5:30

WEAF (491.5m-610kc) "Getting the Best out of the Sculpture," Prof. John Shapely.
WTIC (475.9m-630kc) Rotary Boys' band.

9	8	7	6

WLW (422.3m-710kc) "A Day on the Farm," musicale.

9:30	8:30	7:30	6:30

WGBS (315.6m-950kc) Russian trio.
WMC (499.7m-600kc) Pullman Porters' concert.

9:45	8:45	7:45	6:45

WTIC (475.9m-630kc) Heublein trio.

10:30	9:30	8:30	7:30

WBAP (475.9m-630kc) Hired Hand's Little symphony.

11	10	9	8

KHJ (405.2m-740kc) Band concert.

11:45	10:45	9:45	8:45

WSB (428.3m-700kc) Roger's Red Head club.

12	11	10	9

KPRC (296.9m-1010kc) Serenade.
KFI (467m-640kc) Hollywood String quartet.

12:30 a. m.	11:30	10:30	9:30

KYW (535.4m-560kc) Congress Carnival.

Saturday, silent night for: CFAC, CFCA, CNRA, CNRC, CNRE, CNRM, CNRR, CNRT, CNRV, CNRW, KFDM, KFKX, KFMX, KFRU, KFUO, KFXF, KLX, KMA, KOAC, KOB, KQP, KSAC, KSO, KTAB, KUOA, KWSC, WABQ, WBAL, WCX, WDOD, WEAO, WEBJ, WEBW, WEMC, WGCP, WGHP, WGR, WGST, WHAD, WHAZ, WHN, WHO, WIP, WJAR, WJAZ, WKAQ, WKAR, WLIT, WLWL, WMAZ, WOAI, WOS, WRVA, WTAG, WTIC, WWJ.

Eastern Time Stations

CHIC, Toronto, Can. (356.9m-840kc), 10:30 p. m., Al Linton's orchestra.

CKCL, Toronto, Canada (356.9m-840kc), 7-8 p. m., dinner concert, Lowe Brothers, concert orchestra; The Scotch comedian.

CKNC, Toronto, Can. (356.9m-840kc), 4 p. m., CKNC instrumental quintet; Lawrence DeFoe, tenor; 8, Charles H. Leslie, baritone; Jessie Butt, contralto; Alfred Atkinson, tenor; Dwight Wilson, baritone; Gerrard J. Kelly, tenor; Charles E. Bodley and his dance orchestra.

CNRO, Ottawa, Can. (434.5m-690kc), 8 p. m., Chateau Laurier concert orchestra; 9, comic opera, "Merrie England," Orpheus Amateur operatic society; Chateau Laurier dance orchestra.

KDKA, Pittsburgh, Pa. (309.1m-970kc), 6:30 p. m., dinner concert; 9:30, concert, Westinghouse employes' band.

WADC, Akron, Ohio (258.5m-1160kc), 11 a. m., organ recital, Allen theater; 6:30 p. m., dinner concert, Carnes Richards Hotel Portage quintet.

WAHG, Richmond Hill, N. Y. (315.6m-950kc), 12 noon, Joe Zimmerman, pianist; 12 midnight, midnight novelty program.

WBBR, New York, N. Y. (272.3m-1100kc), 8 p. m., Prof. Charles Rohner, violinist; 8:20, L. Marion Brown, soprano; 8:45, L. Marion Brown, soprano; 8:50, Prof. Charles Rohner, violinist.

WBZ, Springfield; Mass. (333.1m-900kc), 6:30 p. m., Hotel Lenox ensemble; 7:45, Repertory theater concert orchestra; 8:15, concert.

WCAE, Pittsburgh, Pa. (461.3m-650kc), 1 p. m., Floridan's orchestra; 3, music, Nixon cafe; 6:30, dinner concert, William Penn hotel; 7:30, Sunshine girl; 8:15, Youngstown artists.

WCX, Detroit, Mich. (516.9m-580kc), 6 p. m., dinner program, Goldkette ensemble.

WDBO, Winter Park, Fla. (239.9m-1250kc), 7:45-9:30 p. m., Winter Park City band.

WEAF, New York, N. Y., (491.5m-610kc), 4-4:45 p. m., Eddie Worth and his County Fair orchestra; 4:45-5, Alan Harris, singer; 5-6, Vincent Lopez and orchestra from Ritz-Carlton hotel; 6-7, dinner music, Hotel Waldorf-Astoria; 7, John Quine, baritone; 7:10, Richard Franklin, pianist; 7:25, John Quine, baritone; 7:35, Marianne Kneisel string quartet; 8:15, prelude to Shakespearean hour; 8:30, Shakespearean hour, "Twelfth Night"; 9:30, WEAF musical comedy troupe; 10, Ross Gorman and orchestra; 11-12, Vincent Lopez and orchestra.

WEAR, Cleveland, Ohio (389.4m-770kc), 7 p. m., Hotel Statler concert orchestra.

WEEI, Boston, Mass. (348.6m-860kc), 7:10 p. m., D. and L. Slade company musical.

WFI, Philadelphia, Pa. (394.5m-760kc), 1 p. m., Tea room ensemble; 3, Columbia dance orchestra; 4, trio, First Methodist Episcopal church of Vineland; Lowell Burnett, boy soprano; Mrs. Paul Swope, pianist; 6:30, Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra; 8, debate from Lebanon Valley college; 9, concert from Greater Camden Radio show.

WGBS, New York, N. Y. (315.6m-950kc), 3 p. m., Bud Fisher's players; 6:30, Vincent Storey trio; 7:30, Vanderbilt hotel orchestra; 8:30, Clifford Cheasley, philosopher; 9:30, Russian trio; 10:15, Carmine Coppola, flutist; 10:30, Arrowhead Inn orchestra.

WGCP, New York, N. Y. (252m-1190kc), 3 p. m., orchestra; 3:30, Andy Razaf and Paul Denriker; 4, Ona Weish, pianist; 4:15, Joe Furkel, tenor; 4:30, orchestra; 5:30, Strickland's orchestra; 9, Bob McDonald, ukulele player; 9:20, June Lee, singing vagabond; 9:45, Totman and Gallant, banjo duet boys; 10:30, Strickland's orchestra.

WGHB, Clearwater, Fla. (266m-1130kc), 6:30-7:30 p. m., dinner music; 8:30-9:30, Luther E. Ohls, ukulele player; Marian Hoffman, pianist; 11:45-1, midnight frolic.

WGR, Buffalo, N. Y. (319m-940kc), 2:30 p. m., WGR's afternoon program.

WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., Onondaga hotel orchestra; 8:15, Leiderkranz concert; 10:30, dance program.

WHAR, Atlantic City, N. J. (275m-1090kc), 2 p. m., Seaside hotel trio; 8, Seaside hotel trio.

WIP, Philadelphia, Pa. (508.2m-590kc), 1 p. m., organ recital; 3, Dal Ruch and his Arcadians; 6:05, Benjamin Franklin hotel concert orchestra; 7, Uncle Wip's bedtime stories; piano solo, Ethel, Helen and Russell Eritz; 8, WIP mixed quartette; 10:15, Benjamin Franklin El Patio dance orchestra; 11:05 organ recital.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Jean Goldkette's Petite symphony orchestra; soloists; 9, Jean Goldkette's seneraders; soloists; 10, Jean Goldkette's Victor Recording orchestra; 11:30, "The Merry Old Chief" and his "Jewett Radio Jesters."

WJZ, New York, N. Y. (454.3m-660kc), 1 p. m., Knickerbocker Grill orchestra; 4:30, Hotel Lorraine Grill orchestra; 7, Hotel Commodore concert orchestra; 8:15, Liederkranz concert; 10:30, Harry Leonard's Waldorf Astoria dance orchestra.

WLIT, Philadelphia, Pa. (394.5m-760kc), 12:02 p. m., Stanley theater organ recital; Arcadia cafe concert orchestra; 2, dance orchestra; 4:30, Bobby Lee's Cotton Pickers; 7:30, Benjamin Franklin hotel concert orchestra.

WMAK, Buffalo, N. Y. (266m-1130kc), 6:15-7:15 p. m., dinner music; 7:15-8:30, musical; 8:30-9, musical program; 9-10:30, musical program; 10:30-11, musical program.

WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Olcott Vail and his Hotel McAlpin string ensemble; 8:30, Parody club orchestra; 7, Jack Denny's orchestra; 10:30, Norman Pearce, readings; 11, Ernie Golden and his Hotel McAlpin orchestra.

WNAC, Boston, Mass. (260.2m-1070kc), 6, The Smilers, Clyde McArdle; 6:30, Shepard Colonial music, Billy Lossez; 8, Knickerbocker club and assisting artists; 9, varied program, De Vry entertainment service; 10, Lambert Brother's orchestra and "The Plunkerters"; 11, music, Copley Plaza hotel; Copley Plaza orchestra; vocal selections, Jack Fey, Rose Goldberg, accompanist.

WNYC, New York, N. Y. (526m-570kc), 2 p. m., Saturday forum, Democratic club; 7, Hotel St. George society orchestra; 7:35, Hotel St. George society orchestra; 8, Ann Emily Harford; 8:15-9:15, Avery concert; 9:30, instrumental feature.

WOO, Philadelphia, Pa. (508.2m-590kc), 12:02 p. m., Golden's crystal tea room orchestra; 4:45, organ recital; 7:30, Adelphia concert orchestra.

WOR, Newark, N. J. (405.2m-740kc), 3:15-4 p. m., Zit's Central Park Casino tea music; 6:30-7:15, Jacques Jacobs' Hotel Shelton ensemble; 7:30-7:45, Van's Collegians; 9:15-9:45, La Forge-Berumen Saturday evening musicale; 10, Two Blue Boys; 10:45-11:45, Katinka orchestra.

WPG, Atlantic City, N. J. (299.8m-1000kc), 1:30 p. m., Hotel Morton luncheon music; 6:45, organ recital, Arthur Scott Brook; 7, Hotel Morton dinner music; 8:15, program; 9, Hotel Ambassador concert orchestra; 10, Nick Nichols' dance orchestra; 11, dance orchestra.

WRC, Washington, D. C. (468.5m-640kc), 12 m., organ recital; 1, Hamilton hotel orchestra; 7, Hotel Washington orchestra; 9, musical program; 10:30, Meyer Davis' Swanee syncopators.

WTAG, Worcester, Mass. (268m-1120kc), 10:30 a. m., musical selections; 12:05-2 p. m., luncheon music; 3-5, tea dansant music.

WTAM, Cleveland, Ohio (389.4m-770kc), 12:15-1:30 p. m., lunch hour music, Austin Wylie's Vocalion Recording orchestra; 6-7, dinner hour music, Guy Lombardo and his Royal Canadians; 8-9, Hollenden hour, Carl Rupp and his Hotel Hollenden orchestra; 9-12, novelty program, Ev. Jones and his gang, assisted by entertainers.

WTIC, Hartford, Conn. (475.9m-630kc), 6:30 p. m., "Twenty Minutes in Happyland"; 6:50, Hotel Bond trio; 8, American Legion orchestra.

WWJ, Detroit, Mich. (352.7m-850kc), 12:05 p. m., Jules Klein's Hotel Statler orchestra; 3, Detroit News orchestra.

Central Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., dinner concert; 8:30-10:30, variety program; 12-2 a. m., orchestra entertainment.

KFMX, Northfield, Minn. (336.9m-890kc), 10-11 p. m., organ recital.

KFRU, Columbia, Mo. (499.7m-600kc), 4:30 p. m., Bella Vista Quadrangle orchestra.

KFVE, University City, Mo. (240m-1250kc), 9:15 p. m., dramatic readings, Romaine Fielding; the Lincoln entertainers; organist, Solon Neeley, harmonio duo.

KLDS, Independence, Mo. (441m-680kc), E. N. Brinkman, baritone; Mrs. N. Brinkman, contralto; Mrs. Richard Keller, pianist; George Howerton, organist; Louis Mason, soprano.

KMA, Shenandoah, Iowa (252m-1190kc), 11:30-12:30 a. m., music; Grady and Doc; 6-7 p. m., music; 9-11, pipe organ recital, William Howie.

KMOX, St. Louis, Mo. (280.2m-1070kc), 12:30 p. m., Arthur L. Utt, organist; 3, string ensemble music; Mrs. David Flournoy, soloist; 5, Arthur L. Utt, organist; 6:30, Mrs. Jacques Landree, organist; 7, orchestra; "The Little Red School House"; "The Golden Voiced Tenor," in song recital; 8, orchestra; Clifford Worland, baritone; 9, orchestra; "Colonel 6121"; E. P. Browner, baritone; Banjo quartet; 10, orchestra; 10:30, orchestra.

KPRC, Houston, Texas (296.9m-1010kc), 8 p. m., Edith Brown, organist; 8:30, Frank Tilton, pianist; 11, Skyline studio.

KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., orchestral program and stage specialties; 8:30, St. Louis symphony orchestra.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 12:30-1:30 p. m., Bible class; 9-10:30, Harlin H. Smith and his old-time fiddlers; 10:30-10:45, Louis Davis, baritone; 10:45-11, dance selections, New Arlington hotel orchestra; 11-11:45, artists presentation.

KWWG, Brownsville, Tex. (278m-1080kc), 6 p. m., Sunshine Girl.

KYW, Chicago, Ill. (536m-560kc), 12:05-1 p. m., noonday concert; 1-2, luncheon concert, Congress hotel; 4, Saturday frolic; 6-7, dinner music; 7:30, home-lovers' hour; 11:30, Congress classic, Congress hotel; 11:30-1, Congress carnival; 1, Insomnia club.

WAMD, Minneapolis, Minn. (244m-1230kc), 12:01 p. m., popular musicale; Original Gold Derbies trio; Carl Litzenberg, tenor; 6:15, dinner concert, George Osborn and his orchestra; 7:10, Harmony Twins, Fred and Bob; orchestra; 11:30, organ recital.

WBAP, Ft. Worth, Tex. (475.9m-630kc), 12:05-12:30 p. m., Fred Cahoon's orchestra; 6-6:30, dinner music; 7:30-8:30, musical numbers; 9:30-11, Hired Hand's Little symphony.

WBBM, Chicago, Ill. (226m-1330kc), 4-6 p. m., Harry and Sandy; Court Banks; Johnny Black; Russell Meyers; Jack Pennewell and Freddy Palmiter; 8-9:30, Jack Crawford's Alemite orchestra; Barber Shop Three; 9:30-11, Sandy and Harry; Moulin Rouge orchestra; William E. Anderson, steel guitarist; Sy Berg; Fred Jacobson, 11-2 a. m., Sunset quartet; Two Jays; Charlie Garland; Spencer, Lavergne and Shayne, xylophonists; Barber Shop Three; Jack Crawford's Alemite orchestra, Claire Matthews; Floyd Falch; Ariston trio.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 12:30 p. m., Emmet Long's Golden Pheasant orchestra; 2:30, afternoon concert; 6:15, dinner concert, Wesley Barlow's Nicollet hotel orchestra; 8:15, musical program; 10:05, Wallie Erickson's Coliseum orchestra.

WDAF, Kansas City, Mo. (365.6m-820kc), 3:30-4:30 p. m., The Star's string trio; 6-7, organ music; Trianon ensemble; 11:45-1 a. m., special frolic, President hotel.

WEBH, Chicago, Ill. (370.2m-810kc), 3-4 p. m., special features; 7, Oriole orchestra; 8, Dorothy Herman Blum, soprano; 9, Oriole orchestra; 9:45, James Murray, tenor; Oriole marimba band; 11, Oriole orchestra; 12, James Murray, tenor; 1 a. m., Pat Ward, songs; 2, Frank Greif, songs.

WFAA, Dallas, Texas (475.9m-630kc), 3:30-4 p. m., Ewen Hail, tenor; 4:30-5, Ligon Smith, Howard Hill, vocal duets; 6:30-7:30, Jimmy's Joys; 8:30-9:30, Mrs. H. S. Stavely, soprano; Fred J. Wilcox, pianist; 11-12, Jack Gardner's orchestra.

WGES, Oak Park, Ill. (250m-1200kc), 5-7 p. m., organ, bass, tenor; 8-9, orchestra; 11-1 a. m., Uke girl, organ, orchestra.

WGN, Chicago, Ill. (302.8m-990kc), 12:40-2:30 p. m., Drake concert ensemble, Blackstone string quintet; 2:30-3, Lyon and Healy artists; 3:30-4:15, tea time music, Marshall Field's tea room orchestra; 4:30-5, organ recital, Edward Benedict; 6:30-7, dinner concert, Drake concert ensemble, Blackstone string quintet, old-time favorites; 8-9, studio program; 9-10, popular program, Freda Leonard, Jewel Barnette, Correll and Gosden; 10:10-10:20, old-time favorites; 10:20-10:40, the playshop.

WHAD, Milwaukee, Wis. (275m-1090kc), 4 p. m., orchestra, vocal selections; 6, Wisconsin theater organs.

WHAS, Louisville, Ky. (399.8m-750kc), 1-2 p. m., concert, Benson trio; 3-3:30, organ recital, Mrs. Myrtle Fulks Zahn, Jr.; 4-5, concert; 7:30-9, concert, Royal Peacock orchestra.

WJJD, Mooseheart, Ill. (370.2m-810kc), 12-1 p. m., Palmer House symphonic players; Palmer House trio; 2-3, Howard L. Peterson, organist; 4-5, Palmer House quintet; 5:30-7, dinner hour; 8-9, Palmer House Victorians; 10-11, Palmer House Victorians; 12-1 a. m., Palmer House Victorians; Jack Nelson.

WKAF, Milwaukee, Wis. (261m-1150kc), 10-11 p. m., Trixie Ann Troy and her Royal Hawaiians; Hi Coleman's dance orchestra.

WKRC, Cincinnati, Ohio (325.9m-920kc), 10 p. m., Marion McKay and his orchestra; 11, Marie Turner, blues singer; 11:15, Marion McKay and his orchestra.

WLIB, Chicago, Ill. (302.8m-990kc), 7-7:20 p. m., Uncle Walt's Punch and Judy show; 7:20-7:30, Correll and Gosden; 7:30-8, studio program; 11-11:20, Correll and Gosden; 11:20-1, dance music; Correll and Gosden.

WLS, Chicago, Ill. (344.6m-870kc), 12 m., Doris Wittich, pianist; 7, Ford and Glenn; 7:20-12, national barn dance and revue.

WLW, Cincinnati, Ohio (422.3m-710kc), 7:40 p. m., meeting of the Seckatary Hawkins Radio club; 8, "A Day on the Farm;" Donald Bain, whistling and imitations of fowls and musical instruments; old fiddlers, Kimmon's band; Walter Kimmon, violinist; 9:30, Castle farm.

WMAQ, Chicago, Ill. (447.5m-670kc), 5:15 p. m., Topsy Turvy time; 6, Chicago theater organ; 6:30, program, Junior Association of Commerce; 8, Daw and Pratt; 9, Balaban and Katz Chicago theater Radio revue.

WMBB, Chicago, Ill. (250m-1200kc), 7-8 p. m., Edith Stonehouse, soprano; Rosalind Wallach, violinist; Edwin House, bass; Preston Graves, pianist; 9-11, Trianon orchestra; Woodlawn theater orchestra; Walter Kip; Hernes Brothers; Ted Graham, baritone.

WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Pullman Porters' concert.

WOAW, Omaha, Nebr. (526m-570kc), 5:30 p. m., Manna Kea trio; 6, Kalico kids; 6:15, Herb Felerman and his orchestra; 9, de luxe; 10:30, Frank Hodek and his Nightingale orchestra; 11, Arthur Hays, organist.

WOC, Davenport, Ia. (483.6m-620kc), 5:45-6 p. m., chimes concert; 9-10, musical program; Mrs. Edward R. Kennedy, contralto; Frank Webster, tenor; 11-12, orchestra program, LeClaire hotel orchestra.

WOI, Ames, Ia. (270m-1110kc), 12:30 p. m., college chimes.

WOK, Chicago, Ill. (217.3m-1300kc), 4:30-7 p. m., Capitol theater organ; Howard Will, tenor; 10-1, Tearney's Town Club orchestra; Carl Lorraine's Pershing Palace orchestra; Husk O'Hare's Cocoanut Grove orchestra; Capitol theater program; program.

WORD, Batavia, Ill. (275m-1090kc), 7 p. m., Webster hotel trio; 9-10, program.

WQJ, Chicago, Ill. (447.5m-670kc), 3-4 p. m., Koffee Klatsch, Jerry Sullivan; Rose Vanderbosch, soprano and pianist; Hal Lansing and his uke; 7-8, dinner concert, Jack Chapman and his Rainbo Gardens orchestra; Katherine Parrish, pianist; Kane McDuffee, whistler; Joseph Parsons, basso; 10-3 a. m., Jack Chapman and his Rainbo Skylarks; Jerry Sullivan and Rose Vanderbosch, soprano and pianist; Hal Lansing and his uke; Everett George Opie, character reader; Clarence Theders, tenor; Joe Warner, character songs; Oxford girls, Harmony singers; Gail Bandell, Sunshine Girl; Rita McFawn and Mary Bieber, harmony duo; West Brothers, Hawaiian guitarists; artists.

WSAI, Cincinnati, Ohio (325.9m-920kc), 7:50, chime concert, Robert Badgley; 8:15, Bicycle Playing Card sextet; 12, Freda Sanker's orchestra.

WSB, Atlanta, Ga. (428.3m-700kc), 6 p. m., Sunday school lesson; 8, Atlanta Atwater Kent hour; 10:45, Rogers Red Head club.

WSM, Nashville, Tenn. (282.8m-1060kc), 6:30 p. m., concert, Francis Craig's orchestra; 8, barn dance program, features.

WSMB, New Orleans, La. (319m-940kc), 9:30 p. m., Cotton Pickin' twins, Strand theater orchestra; Ray McNamara, pianist.

WSOE, Milwaukee, Wis. (246m-1220kc), 8:30 p. m., Sunday school lesson; 9, Lakefront studio program.

WSUI, Iowa City Iowa (483.6m-620kc), 7:30 p. m., Celeste Fuhrmann, soprano; Zita Fuhrmann, pianist.

Schedule for

"a Step On the Stairs"

Broadcast as a Play

GREETED with an ovation everywhere it has been presented as a Radio play, this thrilling mystery story by Robert J. Casey, appearing exclusively in Radio Digest, is making Radio history. "Something new," "Destined to have a big future" and "Keep it up" are but a few phrases heard in its praise. "A Step On the Stairs," dramatized by Fred Smith, pioneer in this field and managing director of the United States Radio society, is being presented weekly from the following eighteen leading broadcasting stations.

WHERE AND WHEN TO DIAL

WOC, Davenport, Palmer School of Chiropractic. Third episode at 10:30 p. m., Central time, on Friday, March 12. Fourth episode same time March 19. Dial 483.6 meters or 620 kilocycles.

WOAW, Omaha, Woodmen of the World. Third episode at 7 p. m., Central time, on Saturday, March 13. Dial 526 meters or 570 kilocycles.

KGO, Oakland, Calif., General Electric company. Third episode at 9:45 p. m., Pacific time, on Saturday, March 13. Dial 361.2 meters or 830 kilocycles.

KOA, Denver, General Electric company. Third episode at 9:40 p. m., Mountain time, on Monday, March 15. Dial 322.4 meters or 930 kilocycles.

WCCO, Minneapolis-St. Paul, Gold Medal station. Third episode at 10:05 p. m., Central time, on Tuesday, March 16. Dial 416.4 meters or 720 kilocycles.

WGY, Schenectady, General Electric company. Second episode at 8:15 p. m., Eastern time, on Friday, March 12. Third episode same time March 19. Dial 379.5 meters or 790 kilocycles.

WMAQ, Chicago, Chicago Daily News. First and second episodes at 9 p. m., Central time, on Wednesday, March 10. Third episode same time March 17. Dial 447.5 meters or 670 kilocycles.

WNAC, Boston, Shepard Stores. Third episode at 7 p. m., Eastern time, on Thursday, March 11. Fourth episode at same time March 18. Dial 280.2 meters or 1070 kilocycles.

WEAN, Providence, R. I., Shepard Stores. Play broadcast by direct wire from WNAC, Boston, on same schedule as WNAC therefore. Dial 270.1 meters or 1110 kilocycles.

WHO, Des Moines, Bankers Life Insurance company. Third episode at 2:30 p. m., Central time, on Monday, March 15. Dial 526 meters or 570 kilocycles.

WRC, Washington, Radio Corporation of America. Second episode at 8:15 p. m., Eastern time, on Friday, March 12. Third episode same time March 19. Dial 468.5 meters or 640 kilocycles.

WLW, Cincinnati, Crosley Radio corporation. Third episode at 8:30 p. m., Central time, on Saturday, March 13. Dial 422.3 meters or 710 kilocycles.

WOR, Newark, N. J., L. Bamberger & Co. Third episode at 10:30 p. m., Eastern time, on Saturday, March 13. Dial 405.2 meters or 740 kilocycles.

WSB, Atlanta, the Atlanta Journal. Dial 428.3 meters or 700 kilocycles. Schedule to be announced over air.

WHAR, Atlantic City, N. J. The Seaside House. Dial 275 meters or 1090 kilocycles. Schedule to be announced over air.

KGW, Portland, Ore., the Portland Oregonian. Dial 491.5 meters or 610 kilocycles. Schedule to be announced over air.

KTHS, Hot Springs National Park, Ark., the New Arlington hotel. Dial 374.8 meters or 800 kilocycles. Schedule to be announced over air.

WBAP, Fort Worth, Texas, the Star-Telegram. Dial 475.9 meters or 630 kilocycles. Beginning in April. Schedule to be announced.

EPISODE THREE

THE SETTING

EPISODE Three continues in the high-beamed hunt-room, the room that has been the scene of strange and mysterious crimes, of the Turner manse. The guests who had gathered there to hear a message from Peleg Turner, have waited patiently until Tolliver returns from the Radio stations to report that murderous deeds have been afoot there, too. Just as he displays a letter he has stolen from the motorcycle cop at the station, Mary Williams seemingly faints, throwing out her hand and upsetting the candle. In the resultant darkness, Ardwyn, the lawyer, lays hands on a strange person, but is bitten viciously on the wrist and he lets go. He cries out, Hari Singh comes with a light, order is restored, and the letter has disappeared.

We now discover our group, still in the dim light of a candle, anxiously bidding Mr. Ardwyn have his wound dressed without delay.

THE CAST

Frederick Ardwyn.....Peleg Turner's lawyer
Aunt Helen Holmes.....A relative
Henry Graves.....A mysterious man Mary had known formerly
Hari Singh.....Indian servant of Peleg Turner
Mary Williams.....A youthful guest

BARNYARD SOUNDS THROUGH WLW

A daily feature at two stations is Dean Fossler, organist at the Chicago theater. His playing of this mighty organ may be heard from WGN during the noon program and on WMAQ's dinner concert. To the right is Martha Rowland Brown, studio accompanist and bedtime story lady at WSM.
Brown photo, Schumacher studio

KJR, Seattle, Wash. (384.4m-780kc), 8:30-10 p. m., studio program, artists.
KMTR, Hollywood, Calif. (238m-1260kc), 6-7 p. m., Starr Piano company studio; 8-10, KMTR concert orchestra, Edmund Foerstel, guest conductor.
KNX, Hollywood, Calif. (336.9m-890kc), 5:30 p. m., Leighton's orchestra; 6:30-7, Atwater Kent orchestra. 7:30-10, KNX feature program; 10-11, Ambassador hotel dance orchestra; 11-3 a. m., Filmland frolic.
KPO, San Francisco, Calif. (428.3m-700kc), 1-2 p. m., Rudy Seiger's Fairmont hotel orchestra; 2:30-3:30, matinee program of popular music; 3:30-5:30, Cyrus Trobbe's Palace hotel concert orchestra; 6:35-7:30, Waldemar Lind and the States Restaurant orchestra; 8-12, Fairmont hotel dance orchestra; Maurice Gunsky, tenor; Merton Bories, pianist; intermission solos.
KPSN, Pasadena, Calif. (315.6m-950kc), 8-9 p. m., Star-News concert; 9-10, dance orchestra.
KTAB, Oakland, Calif. (240m-1250kc), 9-9:30 a. m., prayer service; 12-1, luncheon concert.

Sunday, March 14

Headliners Today

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.

WBAP (475.9m-630kc) Sacred concert.
8 — 7 — 6 — 5
WJZ (454.3m-660kc) Bakelite hour.
9 — 8 — 7 — 6
WTIC (475.9m-630kc) An Evening of opera.
9:15 — 8:15 — 7:15 — 6:15
WEAF (491.5m-610kc), WEEI WCAP, WOO, WJAR, WGR, WCAE, WSAI, WWJ, WOC, WCCO, WGN, WEAR, KSD, WTAG, Atwater Kent program.
10 — 9 — 8 — 7
WIP (508.2m-590kc) Grand opera.
10:30 — 9:30 — 8:30 — 7:30
KPRC (296.9m-1010kc) El Tex Temple band.
WAMD (244m-1230kc) Harmony hurricane.
12 — 11 — 10 — 9
KFWB (252m-1190kc) Movie frolic.
WFAA (475.9m-630kc) MacDowell Sisters.

Sunday, silent night for: CFAC, CHIC, CKNC, CNRA, CNRC, CNRE, CNRM, CNRO, CNRR, CNRT, CNRV, CNRW, KFAB, KFAU, KFKX, KFKU, KFOA, KFVE, KFWA, KFXF, KLX, KMA, KMTR, KOAC, KOB, KOWW, KSAC, KSO, KWSC, PWX, WABQ, WAHG, WCAD, WCAR, WDAF, WDBO, WEAO, WEBJ, WEBW, WFI, WGES, WGHB, WGHP, WGST, WHAD, WHAS, WHAZ, WIP, WJAZ, WJJD, WJR, WKAF, WKAQ, WKAR, WMAQ, WMAZ, WMC, WNYC, WOI, WRC, WRVA, WSB, WTAM.

Eastern Time Stations

CFCA, Toronto, Can. (356.9m-840kc), 11 a. m., St. Enoch's United church; 7 p. m., St. Paul's Anglican church.
CKCL, Toronto, Canada (356.9m-840kc), 3-4:15 p. m., Parkdale United Sunday school orchestra, assisted C. K. C. L. quartet; 4:15-4:55, service for men; Bishop Willard Brewing.
KDKA, Pittsburgh, Pa. (309.1m-970kc), 11 a. m., church services; 4 p. m., organ recital, Dr. Charles Heinroth; 4:45, Shadyside Presbyterian church; 6:30, dinner concert; 7-15, chimes, Calvary Episcopal church; 7:45, church service.
WBAL, Baltimore, Md. (246m-1220kc), 6:30-7:30 p. m., twilight program; WBAL concert orchestra.
WBBR, New York, N. Y. (272.6m-1100kc), 10 a. m., L. Marion Brown, soprano; I. B. S. A. choral singers; Bible lecture, Judge Rutherford; 2 p. m., Watchtower orchestra; Carl Pierzchatsky, trombonist; L. Marion Brown, soprano; Bible lecture, F. W. Franz; 9, instrumental duets.
WBZ, Springfield, Mass. (333.1m-900kc), 10:45 a. m., services, Trinity church; 6 p. m., Golden Rule hour of music; Ary Dulfer, violinist; Alexander Blackman, viola; George Brown, cellist; Hans Ebell, pianist; soloists; 7, dinner concert, Copley Plaza orchestra.
WCAE, Pittsburgh, Pa. (461.3m-650kc), 4 p. m., Dr. S. P. Cadman; 6:30, dinner concert; 7:20, Capitol theater Gang; 9:15, Atwater Kent.
WCAP, Washington, D. C. (468.5m-640kc), 11 a. m., services, Luther Place Memorial church; 4 p. m., services, Bethlehem chapel; 6:20-7:20, chamber music, Vesper string ensemble; 7:20-9:15, WEAF; 9:15-10:15, WEAF.
WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30, concert, N. Snellenburg and company; 8, Carolyn Thomas, soprano, Ella Jacqueete Kratz, pianist; 8:30, the Hood Boys; 9, Malis' Merry minstrels; 9:30, Sugar Cane orchestra; 10, Arline R. Smith, soprano; 10:30, Parodians dance orchestra.
WCX, Detroit, Mich. (516.9m-580kc), 7:15 p. m., Central Methodist Episcopal church; Guy C. Filkins, organist.
WDBO, Winter Park, Fla. (239.9-1250kc), 11 a. m., church service; 5-6 p. m., vesper service; 8, church service.
WEAF, New York, N. Y. (491.5m-610kc), 2-3 p. m., Sunday Radio services, Greater New York Federation of Churches; 3-4, young people's conference, auspices of Greater New York Federation of Churches; 4-5:30, men's conference, Bedford branch, Y. M. C. A., Brooklyn, N. Y., WEEI, WTAG, WCAE, WSAI; 5:30-6, musical program; 6-7, George Barrere's Little Symphony orchestra, WEAF, WJAR, WFI; 7-7:20, chamber musicale, WJAR, WFI; 7:20-9:15, Capitol theater, WEEI, WCAP, WJAR, WTAG, WWJ, WCAE; 9:15-10:15, Atwater Kent Radio hour, WEEI, WCAP, WJAR, WGR, WCAE, WSAI, WWJ, WOC, WCCO, WGN, WEAR, KSD, WTAG, WFI.
WEAR, Cleveland, Ohio (389.4m-770kc), 3:30 p. m., Goodyear concert orchestra; 7, Lowe's theater orchestra; 7:45, fireside hour; 8:30, Vincent Percy, organist; 9:15, WEAF.
WEEI, Boston, Mass. (348.6m-860kc), 2 p. m., Sager's hour of hospitality; 3, organ recital; 5:30, Ecker concert group; 7:20, World Radio corporation sextet, soloists and string trio; 7:50, WEAF; 9:15, WEAF.
WFI, Philadelphia, Pa. (394.5m-760kc), 6 p. m., George Barrere and his symphony orchestra.
WGBS, New York, N. Y. (315.6m-950kc), 3 p. m., Arrowhead Inn tea dance; 3:30, Crystal Palace orchestra; 9:30, grand opera.
WGCP, New York, N. Y. (252m-1190kc), 3 p. m., Olympic orchestra; 3:30, Milton Yokeman, tenor soloist; 3:45, Rita Redboard, soprano; 4:45, Alfred Hall, baritone.
WGR, Buffalo, N. Y. (319m-940kc), 10:45 a. m., Westminster Presbyterian church; 7:45 p. m., Central Presbyterian church; 9:15, jointly with WEAF, Atwater Kent program.
WGY, Schenectady, N. Y. (379.5m-790kc), 10:30 a. m., First Baptist church; 12:30 p. m., WJZ; 3, WFBL; 5, organ, Dr. Frank Sill Rogers; Giovanni Trombini, cellist; 7:30, First Baptist church, Gordon H. Baker; 9, WJZ.
WHAR, Atlantic City, N. J. (275m-1090kc), 10:45 a. m., services, Chelsea Baptist church; 2:15 p. m., sacred recital, Seaside hotel trio; 2:45, sermon; 7:50, services, Chelsea Baptist church; 9, an hour with the classics, Seaside hotel quartet.
WHN, New York, N. Y. (361.2m-830kc), 11:30 a. m., Calvary morning services; 12:30 p. m., Lexington organ recital; 2, Queens County Christian Endeavor program; 3, Radio Bible class; 5, Roseland dance orchestra; 6, people's hour; 7:30, Calvary evening services; 10:15, Anatol Friedland; 10:45, Janssen's Hofbrau Haus orchestra; 11:30, Twin Oaks orchestra; 12, Harry Richman and his entertainers.
WIP, Philadelphia, Pa. (508.2m-590kc), 7:15 Holy Trinity church; 10, grand opera, Germantown theater; Ben Stad and his WIP Symphony orchestra.
WJZ, New York, N. Y. (454.3m-660kc), 12:30 p. m., Sunday Symphonic society; 8, Bakelite hour; 9, Commodore concert orchestra.
WLIT, Philadelphia, Pa. (394.5m-760kc), 2:15 p. m., Arcadia cafe concert orchestra; 7, organ recital; 7:30, Benjamin Franklin concert orchestra.
WLWL, New York, N. Y (288.3m-1040kc), 8 p. m., Paulist choristers, sermon, Rev. Lewis J. O'Hern.
WMAK, Buffalo, N. Y. (266m-1130kc), 10:25 a. m., services, First Presbyterian church, Rev. Stewart Robinson, pastor; 7:30 p. m., evening services, Churchill tabernacle.
WMCA, New York, N. Y. (340.7m-880kc), 3 p. m., Minot Simons, D.D., "What To Think in Religion." All Souls church; 3:30, Donal Flamm's frolickers; 5:45, Halpert and Fryxtell's entertainers; 6, Roemer's Homers; 7, Ernie Golden and his Hotel McAlpin orchestra; 7:30, Olcott Vail and his Hotel McAlpin string ensemble; 8:15, Mayolians; 9:30, Parody club orchestra; 10:30, Twin Oaks orchestra; 10:45, Arthur West's Sirens; 11, Jack Denny's orchestra.
WOO, Philadelphia, Pa., (508.2m-590kc), 10:30 a. m., services, Bethany Presbyterian church; 2:30, musical exercises, Bethany Sunday school; 6, organ recital.
WPG, Atlantic City, N. J. (299.8m-1000kc), 3:15 p. m., Arthur Scott Brook, organist; L. Powell Evans, baritone; 1:15, vocal and instrumental recital; 9:15, Hotel Traymore concert orchestra; 10, Arthur Scott Brook, organist.
WTAG, Worcester, Mass. (268m-1120kc), 3-4 p. m., sermon and songs; 4:30, music, Gloria Trumpeters; George Betts, chime soloist; Mr. and Mrs. Howard Kinsey, baritone and accompanist; 7:20-9:15, musical program; 9:15-10:15, WEAF.
WTIC, Hartford, Conn. (475.9m-630kc), 9 p. m., an evening of opera, A. Y. Cornell opera group.
WWJ, Detroit, Mich. (352.7m-850kc), 11 a. m., St. Paul's Episcopal cathedral; 2, Detroit News orchestra; 4, organ recital; 7:20, WEAF; 9:15, operatic stars.

Central Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 4-5 p. m., vesper service; 9-11, Sunday evening musical.
KFDM, Beaumont, Texas (315.6m-950kc), 11 a. m. and 7:30 p. m., First Baptist church of Beaumont.
KFMX, Northfield, Minn. (336.9m-890kc), 7-8 p. m., vesper service.
KFRU, Columbia, Mo. (499.7m-600kc), 7:30 a. m., services; 9:30, Burrall Bible class; 7:30 p. m., student service, Columbia Baptist church.
KFUO, St. Louis, Mo. (545.1m-550kc), 1 p. m., musical program, mixed choir, Immanuel Lutheran church; "God is Love," Rev. Niedner; 9:15, "Pilate," Rev. John

Saturday, March 13

Mountain Time Stations

KFAU, Boise, Idaho (280.2m-1070kc), 8 p. m., musical program.
KFXF, Colorado Springs, Colo. (250m-1200kc), 8:30 p. m., Rosemary Gardens music.
KOA, Denver, Colo. (322.4m-930kc), 12:15 p. m., Rialto theater organ recital, Marjorie Nash; 9, dance program, Harmony Peerless orchestra; 10:30, dance program, Scheuerman's Colorado orchestra.
KFWA, Ogden, Utah (261m-1150kc), 4-5 p. m., organ recital; 5-6, Ogden Radio dealers program; 9-10:30, music, Paramount theater; 10:30-12, dance music, Ollie Reeves and his orchestra.

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-640kc), 5:30-6 p. m., Harmony duo; 6, nightly doings; 6:30, vest pocket program; 6:45, Radiotorial period; 7-8, Al Wesson's dance orchestra; 8-9, Robert Hurd, tenor; 9-10, Hollywood string quartet; 10-11, Packard Radio club; 11-3 a. m., KFI midnight frolic.
KFOA, Seattle, Wash. (454.3m-660kc), 9:30-11 p. m., Rhodes Department store program, Jackie Souder's Club Lido serenaders.
KFON, Long Beach, Calif. (232.4m-1280kc), 6-6:30 p. m., Brayton's theater organ; 7-7:30, studio program; 7:30-9, Long Beach Municipal band; 9-11, KFON artists' frolic.
KFWB, Hollywood, Calif. (252m-1190kc), 6-7 p. m., Fitzgerald Music company dinner hour; 8-9, Lyric string trio; Eunice Wynn, ballads; Dan Gridley, Irish tenor; 9-11, program, Reese-Gartzmann, Inc.; Oakland Six dance orchestra.
KFWI, San Francisco, Calif. (226m-1330kc), 1:30-3:30 a. m., pajama party, featuring Clem Kennedy's dance band and Dick Giblin, Eddie Scott, Sadie Woodside, Baron Keyes.
KGO, Oakland, Calif. (361.2m-830kc), 11:30-1 p. m., luncheon music; 4-5:30, Hotel St. Francis concert orchestra; 8:10, Leo J. Meyberg company program; instrumental selections; 10-12, Girvin-Deuel's California Collegians.
KGW, Portland, Ore. (491.5m-610kc), 12:30-1:30 p. m., concert; 6-7, concert, Olds, Wortman and King company; 9-12, dance music; intermission piano solos, Curt Kremer.
KHJ, Los Angeles, Calif. (405.2m-740kc), 8-10 p. m., program, Motor Transit company, San Diego Army and Navy academy band; 10-11, Don Clark's Biltmore hotel dance orchestra.

Atwater Kent Program, March 14, over WEAF and Chain*
Artists will be Edward Johnson, tenor, and Joan Ruth, soprano.

I.
Aria: "Celeste Aida" from "Aida".....Verdi
Edward Johnson with Orchestra

II.
Straussiana.....Arranged by Estelle Liebling
Joan Ruth with Orchestra

III.
Aria: Flower Song from "Carmen".....Bizet
Edward Johnson with Orchestra

IV.
(a) Danny Boy.....Old Irish
(b) Lass With the Delicate Air.....Old Irish
(c) Estrellita.....Mexican Folk Song
(d) En Cuba.....Spanish Folk Song
Joan Ruth

V.
(a) Drink To Me Only With Thine Eyes.....Old English
(b) Run On Home.....Strickland
(c) Sunrise and You.....Arthur Penn
Edward Johnson

VI.
Aria. "Vesti la giubba" from "Pagliacci".....Leoncavallo
Edward Johnson with Orchestra

VII.
Duet. "Ell sol dell' anima" from "Rigoletto".....Verdi
Edward Johnson and Joan Ruth

*The WEAF chain for the Atwater Kent hour (9:15 p. m. Eastern, 8:15 p. m. Central time) includes WEAF, WFI, WGR, WCAE, WCAP, WJAR, WTAG, WGN, KSD, WCCO, WOC, WSAI, WEAR, WEEI, WWJ.

FAVORITE SCREEN STARS AT KFWB

High Lights of the Week

HEAR the cows lowing, the cocks crowing, the pigs squealing and other sounds familiar to the farm during the 8 o'clock program Saturday from WLW. Whether these sounds will be reproductions or the real thing is not known. Better tune in and find out who the artists really are.

The Sunday classical programs given over the WEAF chain have charmed the ear with more than one famous artist. This Sunday's programs will be given by Edward Johnson, tenor and Joan Ruth, contralto. A motion picture frolic winds up the evening introducing Warner Brother stars at KFWB.

Let the Severino mandolin quintet serenade you early in the evening Monday at WGY. This quintet can play all the old romantic tunes which breathe of moonlit nights and fair senoritas. The fresh young voices of Camp Fire Girls will enhance the microphone of WSB.

Mishel Piastro, concert master of the San Francisco Symphony orchestra, and one of the greatest living artists of the violin, will give a recital over KGO, Tuesday evening, March 16, assisted by Lev Shorr, Russian pianist. Piastro will be on the air between 8 and 9 p. m. Pacific time, and will play five solo numbers.

No blues on the air Wednesday. Tune in at any station anywhere on your dial and Irish songs will float in through the loud speaker for this is St. Patrick's Day and all the stations are celebrating. The Dennis Sisters have returned to WEBH and promise a real auld Erin program on this night. The Four Musketeers will invade WHO this same evening with appropriate songs.

Thursday marks the opening of a new vaudeville feature at KGW, Portland. It will not be necessary now for Portland fans to patronize the two-a-day. This station plans to bring the best talent to them. A new feature is also introduced at WGY which shows that spring is on the way. "Fly Fishing on a Canadian Lake," is the title of the first fish talk given by Dick Shaw.

"Elijah," a tremendous oratorio seldom given by any musical organization, will be produced Friday by the Apollo club at WLS, Chicago. A distinctive musical feature will also go on the air at WBAL when typical Negro music will be broadcast by the choral club of Morgan college.

WBZ's pleasing programs are due to the delightful lady to the left, Miss Emily W. Sturtevant, who not only plans them, but often visits over the microphone with her invisible friends. Vincent Lopez, above, as he looks announcing his orchestra numbers Tuesdays over WEAF chain.

Sunday, March 14

Fritz; musical program, artists, Grace Lutheran church.

KLDS, Independence, Mo. (441m-680kc), 11 a. m., Stone church service; Robert Miller, organist; 3 p. m., Watson Memorial M. E. church; Watson Memorial M. E. choir; Hazel Cook, organist; Rev. W. E. Brown, sermonet; 6:30 vesper service; Walnut Park quartet; U. W. Greene, sermonet; 9:15, Albert Brackenbury, baritone; Pauline Becker Etzenhauser, organist; Lillian Green, violinist; Dr. Frederick M. Smith, sermon.

KMA, Shenandoah, Iowa (252m-1190kc), 12:15-1:15 p. m., sacred song service, Mrs. Earl May; 4, church choir music; 5, Bible class, G. H. Van Houten.

KPRC, Houston, Texas (296.9m-1010kc), 10:30 a. m., chimes; 10:50, St. Paul Methodist church; 7:30, First Methodist church; 9:30, D. O. K. K. band.

KSD, St. Louis, Mo. (545.1m-550kc), 6:15 p. m., Post-Dispatch concert orchestra; 8:15, WEAF.

KTHS, Hot Springs, National Park, Ark. (374.8m-800kc), 11 a. m., Saint Luke's Episcopal church; 9-10, concert, New Arlington hotel grand ensemble and soloists; Meyer Davis orchestra; 10-11:30, musical train crew; 11:30-12:30, midnight organ classic.

KYW, Chicago, Ill. (536m-560kc), 11 a. m., Central church; 2:30, studio chapel; 4:30, studio concert; 7, Chicago Sunday evening club; 9:30, classical concert, Commonwealth Edison company.

WAMD, Minneapolis, Minn. (244m-1230kc), 10:30 a. m., First Unitarian church services; 3 p. m., band concert, Pillsbury band; 6:15, dinner concert, George Osborn and his orchestra; 6:45, Arthur Faust, Leome Faust and Radio Stock company; 9:30, Gayle Wood, harmony hurricane.

WBAP, Ft. Worth, Tex. (475.9m-630kc), 11 a. m., First Presbyterian church; 5-6, sacred concert, Glenwood Church of Christ; 9:30-11, dance music, Chief Gonzales' Texas hotel orchestra.

WBBM, Chicago, Ill. (226m-1330kc), 12:30-2 p. m., classical program: William P. Zimmer, tenor; Harold Morava, lyric tenor; Kantor A. Kritz; Sandy Meek and Harry Sosnik; Edna Wheeler Ballard, harpist; Little Caruso and the Moulin Rouge operatic quartet; 4-6, Tip trio; Jack Crawford's Alemite orchestra; Barber Shop Three; Ziegler Sisters; Two Jays; Harold Anderson; Charlie Garland; Rudy Winter; Floyd Falch; 8-10, Jack Crawford's orchestra; quartet; Maurice Silverman; Pauline Stiffler Atlass, violinist; Rudy Winter; Floyd Falch; Hazel McBroom; 12-2 a. m., Nutty club.

WCAL, Northfield, Minn. (336.9m-890kc), 8:30 a. m., Norwegian church services; 9:15, evening services.

WCBD, Zion, Ill. (344.6m-870kc), 8 p. m., mixed quartet, brass quartet, organ selections; Ralph Bull, tenor; Erma Reynolds, soprano; Edith Carey, contralto; E. B. Paxton, baritone; P. Newcomer, cornetist; George Beem and Carl Newcomer, marimba soloists; Mrs. Hester Robinson, reader.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 10:50 a. m., Plymouth Congregational church; 3, Bible study; 4:10, House of Hope Presbyterian church; 6:20, Second Church of Christ Scientist; 8:15, WEAF.

WDAF, Kansas City, Mo. (365.6m-820kc), 3-4 p. m., Negro spirituals; 4-4:45, WDAF's Sabbath vespers.

WEBH, Chicago, Ill. (370.2m-810kc), 10:40-12 noon, Seventh Church of Christ, Scientist; 5-6 p. m., twilight musical; 7-9, selected artists' program.

WEMC, Berrien Springs, Mich. (285.5m-1050kc), 11 a. m., Jeanette Richardson, soprano; Hoosier male quartet; 11:45, sermon, Pastor W. French; 12 noon, Ellis Maas, baritone; 8:15 p. m., Trinity studio choir; reading, Mrs. Mabel Curtis-Butterfield; 8:50, sermon; 9:05, Maitland Allred, tenor; Victor Sterrett, violinist.

WFAA, Dallas, Texas (475.9m-630kc), 6-7 p. m., Bible class; 7:30-8:30, City temple; 8:30-9:30, Leland Johnson, pianist; 11-12, MacDowell Sisters.

WGES, Oak Park, Ill. (250m-1200kc), 10:15 a. m., Austin M. E. church; 5-7:40 p. m., Moody Bible institute; 11-12, organ.

WGN, Chicago, Ill. (302.8m-990kc), 11:45-1 p. m., Chicago theater organ recital; 1-2, Chicago theater performance; 2-3, Lyon and Healy organ recital, soloists; 3-4, Chicago Philharmonic orchestra; 4-5, Chicago Musical college concert; 8:15-9:15, WEAF; 9:15-10, popular program; 10-10:10, Sam 'n' Henry; 10:10-10:20, old-time favorites; 10:20-11, popular program.

WHAD, Milwaukee, Wis. (275m-1090kc), 3:15 p. m., Milwaukee Turnverein symphony orchestra.

WHAS, Louisville, Ky. (399.8m-750kc), 9:57 a. m., organ prelude; 10, Broadway Baptist church; H. U. Goodwin, organist; Mrs. O. W. Edinger, soprano; Angeline McCrocklin, contralto; Charles H. Barnes, Jr., tenor; William Cornwall, baritone; 4:30-5:30, Evensong choral service; Ernest Simon, organist.

WHB, Kansas City, Mo. (365.6m-820kc), 9:40-10:45 a. m., services, Linwood Boulevard Christian church; Mrs. F. Bishop, organist; Nora Moss, contralto; 11:15-12:30 p. m., services; Hans Feil, organist; 8-9:15, services, Westport Methodist church; 11:15-1 a. m., Linwood theater feature, Morrill Moore, organist; Don Anchors, poets.

WHO, Des Moines, Iowa (526m-570kc), 11 a. m., service St. Ambrose cathedral; 7:30-8 p. m., Bankers Life trio, Helen Birmingham, director; Myrtle Williams, soprano; Stewart Watson, baritone; 11-12, Bankers Life Little symphonic orchestra, Leon Dashoff, director.

WJJD, Mooseheart, Ill. (370.2m-810kc), 7:45 a. m., Catholic services; 9:40-10:30, Protestant services; 3-4 p. m., Mooseheart Sunday concert.

WKAF, Milwaukee, Wis. (261m-1150kc), 4-6 p. m., Jean Hammond and her Tune Tinkers; Kurt Geibel, German folk songs; E. G. Vallier, baritone.

WKRC, Cincinnati, Ohio (325.9m-920kc), 6:45 p. m., Walnut Hills Christian church; 10, classical program; 11:15, Marion McKay and his orchestra.

WLIB, Chicago, Ill. (302.8m-990kc), 5-6 p. m., chamber musical program.

WLS, Chicago, Ill. (344.6m-870kc), 6 p. m., prelude; 6:30-7:55, Little Brown church in the vale; Ralph Emerson, organist; WLS trio.

WLW, Cincinnati, Ohio (422.3m-710kc), 9:30 a. m., school, editorial staff of Sunday School publications; 11, morning worship, Seventh Presbyterian church; 3 p. m., negro civic welfare singers, James H. Robinson, director; 4, organ recital, Mrs. Lillian Arkell Rixford; 7:30, services, Emmaus Lutheran Evangelical church, P. L. Dannenfeldt, pastor; 8:30, concert, auspices H. & S. Pogue Co. orchestra; Glover Davis, tenor.

WMAZ, Macon, Ga. (261m-1150kc), 3-5 p. m., music, Philharmonic society.

WMBB, Chicago, Ill. (250m-1200kc), 3-5 p. m., Trianon orchestra; Woodlawn theater orchestra; Nina Smiley, soprano; Bob Duffy, baritone; 7:40-9, Fifth Church of Christ Scientist; 9-11, Trianon orchestra; Woodlawn theater orchestra; Walter Kip; Scotty Welsh, Madison Sisters; Golden Harmony trio.

WMC, Memphis, Tenn. (499.7m-600kc), 11 a m., St. Mary's Episcopal cathedral.

WOAI, San Antonio, Texas (394.5m-760kc), 11 a. m., First Presbyterian church; 7:30 p. m., Central Christian church; 9:30, Super-Heterodyne hour of music.

WOAW, Omaha, Nebr. (526m-570kc), 9 a. m., chapel service; 1:30 p. m., matinee program; 6, Bible study period, Mrs. Carl R. Gray; 9, chapel service.

WOC, Davenport, Iowa (483.6m-620kc), 1-2:30 p. m., orchestra concert, The Palmer Little Symphony; Paul J. Vipperman, tenor vocalist; 8:15-9:15, musical program, WEAF.

WOI, Ames, Ia. (270m-1110kc), 10:45 a. m., college chimes; 11, chapel service.

WOK, Chicago, Ill. (217.3m-1300kc), 1-2 a. m., Tearney's Town Club orchestra; Carl Lorraine's Pershing Palace orchestra; Husk O'Hare's Cocoanut Grove orchestra; program; 6 p. m.-1 a. m., Tearney's Town Club orchestra; Carl Lorraine's Pershing Palace orchestra; Husk O'Hare's Cocoanut Grove orchestra; Capitol theater musical program; program.

WORD, Batavia, Ill. (275m-1090kc), 10-11 a. m., services; 2:30 p. m., program, Chicago Rapid Transit company; 3:30, Bible lecture, C. W. Apgar; 7, Webster hotel trio; 9, Webster trio, J. B. S. A. choral singers.

WOS, Jefferson City, Mo. (440.9m-680kc), 9:30 a. m., Christian church; 5, vesper services Christian church; 7:30, First Presbyterian church.

WQJ, Chicago, Ill. (447.5m-670kc), 9:30-11 a. m., sermon, services, People's church, Dr. Preston Bradley; Clarence Eddy, organist; choir; 3-4 p. m., Sophine Lobel, concert pianist, Chopin program; Grace Wallace, soprano; 8-10, Jack Chapman and his Rainbo Gardens orchestra; Herman Techentine, baritone; Lorena Anderson, soprano; Pierson Thal, concert pianist; Otis Jester, soprano; Mary Thrash House, pianist; Shepherd Levine, tenor; Joseph Parsons, basso.

WSAI, Cincinnati, Ohio (325.9m-920kc), 3-4:30 p. m., Central Congregational church; Gloria Trumpeters; George Betts, chimer; Howard W. Kimsey, baritone; Mrs. Kimsey, accompanist; 7:45, chime concert, Robert Badgley; 8, sermonette; 8:15, Joan Ruth, soprano; Edward Johnson, tenor.

WSB, Atlanta, Ga. (428.3m-700kc), 5 p. m., Grant Park Methodist church choir; 7:30, Ponce de Leon Baptist church.

WSM, Nashville, Tenn. (282.8m-1060kc), 3-5 p. m., Nashville symphony orchestra concert; 7:30, services.

WSUI, Iowa City, Iowa (483.6m-620kc), 9:15 p. m., Mrs. Lottie Volkmer, contralto.

Mountain Time Stations

CFAC, Calgary, Canada (435.8m-688kc), 11 a. m., First Church of Christ, Scientist.

KFXF, Colorado Springs, Colo. (250m-1200kc), 11 a. m., First Presbyterian church; 7:30 p. m., First Methodist church.

KOA, Denver, Colo. (322.4m-930kc), 11 a. m., Montview Boulevard Presbyterian church; Ada Marie Castor, soprano; Lucille Beckler Mathis, contralto; Edwin Smith, tenor; Laurence R. Milne, baritone; 3, afternoon music hour, Denver El Jebel Shrine band; Ruth Hammond Ragatz, soprano; 7:45, Montview Boulevard Presbyterian church.

KUOM, Missoula, Montana (244m-1230kc), 9:15 p. m., Religious and classical music; Radio sermon, Rev. Mrs. Aurelia McAllister, Methodist church; music.

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-640kc), 4-5 p. m., vesper service; 6:30, nightly doings; 7-7:30, program, A. H. Grebe and company, Synchrophase string ensemble; 7:30-8, Robert Hurd, tenor; Clara Belle Patten Wallace, contralto; 8-9, Dan L. McFarland, organist; 9-10, Harry Keiper's Movieland dance orchestra; 10-11, Packard Six dance orchestra.

KFON, Long Beach, Calif. (232.4m-1280kc), 2:30-4 p. m., Long Beach Municipal band; 7:45-9, service, First Church of Christ, Scientist; 9-10, Bert Pedersen's dance orchestra.

KFWB, Hollywood, Calif. (252m-1190kc), 9-11 p. m., Sunday night movie frolic, Jack Smith's dance orchestra.

KGO, Oakland, Calif. (361.2m-830kc), 11 a. m., First Baptist church; Eileen Almstead Piggott, soprano soloist; Esta Marvin Pomeroy, organist; 3:30, concert, Little Symphony orchestra; 7:45, First Baptist church; Philip Ashcraft, tenor; Fred Wilkins, flute; Esta Marvin Pomeroy.

KGW, Portland, Ore. (491.5m-610kc), 10:25-12 a. m., the First Presbyterian church; 6-7 p. m., Aladdin hour of familiar melodies; 7:30-9, East Side Baptist church; 9-10, Chevrolet Symphony orchestra.

KHJ, Los Angeles, Calif. (405.2m-740kc), 4-5 p. m., Masonic service; 7-8, First Methodist Episcopal church; 8-10, program, Martin Music company; Ruth Pitts, soprano; John Martin, concert pianist.

KJR, Seattle, Wash. (384.4m-780kc), 11-12:30 p. m., services, First M. E. church; 5-6, Renfro-Wadenstein program, Spargur string quartet; 7:15-7:30, organ recital, Mrs. Montgomery Lynch; 7:30-9, services, First M. E. church; 9-10, Puget Sound Savings and Loan association orchestra.

KNX, Hollywood, Calif. (336.9m-890kc), 12:45-1:45 p. m., program, Howard N. Martin and company, Paul Fin-stein's concert orchestra; 2-4, City Park Board program from Westlake Park; 6:30-7, Unitarian church service; 8-9, First Presbyterian Church of Hollywood; 9-10:30, program, Beverly Hills Nurseries; Russian string quartet.

KPSN, Pasadena, Calif. (315.6m-950kc), 8:45-9:45 p. m., Maryland artists ensemble.

KTAB, Oakland, Calif. (240m-1250kc), 9:15-10:45 a. m., Bible lecture; 11-12:30, church service; 7:45-9:15 p. m., church service; 9:30-11, after service concert.

WEAF TO INTRODUCE EDWARD JOH

POPULAR CONCERTS INDEX

Saturday, March 13

Eastern	Central	Mountain	Pacific
7:30 p. m.	6:30 p. m.	5:30 p. m.	4:30 p. m.
WFAA.			
8	7	6	5
WAMD, WLS.			
9	8	7	6
WBBM, WEAF, WENR, WGBS, WLS, WMAQ, WNYC.			
10	9	8	7
KFAB, KPRC, WBBM, WEBH, WENR, WGN, WLS, WMBB, WREO.			
11	10	9	8
KFVE, KFWB, KNX, KTHS, WBBM, WMBB, WOK, WQJ, WRC.			
12	11	10	9
KNX, KOIL, KPO, KPRC, WBBM, WEBH, WLS, WOAW, WOK, WQJ.			
1 a. m.	12 m.	11	10
KFWB, WDAF, WBBM, WEBH, WENR, WOK, WQJ, WSAI.			
2	1 a. m.	12 m.	11
KNX, WBBM, WEBH, WENR, WQJ.			

Sunday, March 14

Eastern	Central	Mountain	Pacific
9 p. m.	8 p. m.	7 p. m.	6 p. m.
WBBM.			
10	9	8	7
WBBM, WMBB.			
11	10	9	8
WMBB.			
12	11	10	9
KNX, KTHS.			
1 a. m.	12 m.	11 p. m.	10
KFWB, WBBM.			
2	1 a. m.	12 m.	11
KFWB.			

Monday, March 15

Eastern	Central	Mountain	Pacific
7 p. m.	6 p. m.	5 p. m.	4 p. m.
WBBM, WFAA, WOAW.			
8	7	6	5
WGBS.			
9	8	7	6
WCAU, WEAF, WGR, WKRC, WOK.			
10	9	8	7
KFAB, WEBH, WGR, WKRC, WMCA, WOAW, WOK, WSOE.			
11	10	9	8
KFAB, KFVE, WOK.			
12 m.	11	10	9
KLX, KNX, KOIL, WAMD, WEBH, WHO, WOK.			
1 a. m.	12 m.	11	10
KFWB, KLX, WAHG, WDAF, WHT, WKRC, WOK.			
2 a. m.	1 a. m.	12 m.	11
KFWB.			

Tuesday, March 16

Eastern	Central	Mountain	Pacific
7 p. m.	6 p. m.	5 p. m.	4 p. m.
WMCA, WOAW.			
8	7	6	5
WBBM, WEAR.			
9	8	7	6
WBBM, WEAR, WBZ, WSB.			
10 p. m.	9 p. m.	8 p. m.	7 p. m.
WBBM, WEBH, WMMB, WOAW.			
11 p. m.	10 p. m.	9 p. m.	8 p. m.
KFVE, KFWB, KNX, WBBM, WHT, WMBB, WOK, WQJ.			
12 m.	11	10	9
KNX, KOIL, KPO, WAMD, WBBM, WEBH, WEBH, WKRC, WMC, WOK, WQJ.			
1 a. m.	12 m.	11	10
KFWB, KNX, WFAA, WHT, WOAW, WOK, WQJ.			
2	1	12 m.	11
KFWB, WQJ.			

Wednesday, March 17

Eastern	Central	Mountain	Pacific
8 p. m.	7 p. m.	6 p. m.	5 p. m.
KFNF, WAHG, WEBJ, WEEI, WMCA.			
9	8	7	6
WBBM, WEBJ, WGCP, WNYC.			
10	9	8	7
KFAB, KPRC, WBBM, WEBH, WGCP, WHO, WMBB.			
11	10	9	8
KFAB, KFVE, KGW, KPO, KWSC, KYW, WBBM, WHN, WMBB, WOK, WQJ.			
12 m.	11	10	9
KFWA, KFWB, KNX, KYW, WAMD, WEBH, WOK, WQJ, WSAI.			
1 a. m.	12 m.	11	10
KNX, KYW, WBBM, WHT, WOK, WQJ.			
2	1 a. m.	12 m.	11
KFWB, KNX, WBBM, WOK, WQJ.			

Thursday, March 18

Eastern	Central	Mountain	Pacific
8 p. m.	7 p. m.	6 p. m.	5 p. m.
WCAE, WEAF, WJAR, WMC, WOC, WSAI.			
9	8	7	6
WBBM, WHAD.			
10	9	8	7
KMA, WBBM, WEBH, WEEI, WHAD, WHN, WMBB, WMC, WNYC, WOAW, WSOE.			
11	10	9	8
KHJ, KMA, KYW, WBBM, WMBB, WOK, WQJ.			
12 m.	11	10	9
KHJ, KTAB, KOIL, WBBM, WDAF, WEBH, WFAA, WKRC, WOC, WOK, WQJ.			
1 a. m.	12 m.	11	10
KFWB, KHJ, WHT, WOK, WQJ.			
2	1 a. m.	12.m.	11
KNX, WQJ.			

Friday, March 19

Eastern	Central	Mountain	Pacific
8 p. m.	7 p. m.	6 p. m.	5 p. m.
WGCP, WJR.			
9	8	7	6
WAMD, WBBM, WGR, WLS.			
10	9	8	7
KFAB, WBBM, WEBH, WMC, WDAF, WHAD, WMBB, WOAW, WSOE.			
11	10	9	8
KFVE, KFWA, KHJ, KLX, KYW, WMBB, WOK, WQJ.			
12 m.	11	10	9
KFWB, KHJ, KNX, KOIL, WAMD, WEBH, WMC, WOK, WQJ.			
1 a. m.	12 m.	11	10
KFWB, KHJ, WDAF, WHT, WOK, WQJ.			
2	1 a. m.	12 m.	11
KNX, WQJ.			

Monday, March 15

Headliners Today

Eastern	Central	Mountain	Pacific
7:45 p. m.	6:45 p. m.	5:45 p. m.	4:45 p. m.
WGY (379.5m-790kc) Severino mandolin quintet.			
8:15	7:15	6:15	5:15
WGY (379.5m-790kc) "A Step On the Stairs," mystery play.			
WEMC (285.5m-1050kc) Lighthouse Music Makers.			
8:30	7:30	6:30	5:30
WBAP (475.9m-630kc) R. O. T. C. band.			
WGR (319m-940kc) Imhof trio.			
9	8	7	6
WBZ (333.1m-900kc) Shriners' band.			
WCAU (277.6m-1080kc) Merry Minstrels.			
WHAZ (379.5m-790kc) St. Patrick's concert.			
WSB (428.3m-700kc) Camp Fire Girls.			
9:30	8:30	7:30	6:30
KFAB (340.7m-880kc) Old Tune night.			
KPRC (296.9m-1010kc) Edna Adams.			
WCAL (336.9m-890kc) Viking quartet.			
10:15	9:15	8:15	7:15
WPG (299.8m-1000kc) Galen Hall trio.			
10:30	9:30	8:30	7:30
WTIC (475.9m-630kc) Travelers' symphonic ensemble.			
12	11	10	9
KFI (467m-640kc) Misha Gegna orchestra.			

Monday, silent night for: CNRA, CNRC, CNRE, CNRM, CNRO, CNRR, CNRT, CNRV, CNRW, KFAU, KFDM, KFEQ, KFMX, KFWA, KHJ, KLDS, KUOA, KYW, WBBM, WBCN, WCAD, WCBD, WEAO, WEBH, WEBJ, WEBW, WENR, WGBS, WGES, WGN, WHAS, WHT, WIBO, WIP, WJAZ, WJJD, WKAQ, WLIB, WLS, WMAQ, WMBB, WOAI, WOC, WOK, WORD, WQJ, WRC, WREO.

Eastern Time Stations

CKNC, Toronto, Can. (356.9m-840kc), 8-10 p. m., Little Symphony orchestra; Arthur VanderVoort, bass; Hazel Hall-VanderVoort, soprano; Charles Shearer, baritone.

KDKA, Pittsburgh, Pa. (309.1m-970kc), 12:30 p. m., Trinity church lenten service; 6:30, dinner concert; 9, Raud light opera.

WAHG, Richmond Hill, N. Y. (315.6m-950kc), 12 noon, lenten services; 12:15 p. m., Grebe matinee trio; 7:45, Walter Inoa, novelty pianist; 8, Synchrophase hour; 9:15, William Helfenstein, baritone; 9:30, Sidney Raphael, pianist; 9:45, William Helfenstein, baritone, 10, Trainmen's trio; 10:30, Joe Zimmerman's orchestra; 12, Queens Melody Boys.

WBAL, Baltimore, Md. (246m-1220kc), 6:30-7:30 p. m., dinner program; WBAL orchestra; 7:30-8, Frederick D. Weaver, organist; 8-9, musical program, Emma Slagle, soprano soloist; Elmer Burgess, pianist; 9:10-10, musical program; Georgie Kelly, contralto; Clarence Hihn, tenor; Clyde McKay, baritone.

WBBR, New York, N. Y. (272.6m-1100kc), 8 p. m., Irene Kleinpeter, soprano; Fred Franz, tenor.

WBZ, Springfield, Mass. (333.1m-900kc), 6:30 p. m., Hotel Kimball dance orchestra; 7:30, organ recital, Rene Dagenais; 8, Capitol theater orchestra; 8:30, Walter Francis Vreeland and Irene Cooper, banjo, uke and guitar selections; 9, Aleppo Drum Corps or Shriners' band; 9:30, organ recital; 10:05, government interference tests; 10:15, Movie club, vaudeville attractions.

WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert, William Penn hotel; 7:30, Sunshine Girl; 8, studio concert; 9, concert; 10, grand opera; 11, Ralph Harrison's Midnight Song.

WCAP, Washington, D. C. (468.5m-640kc), 7-11 p. m., WEAF.

WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., dinner program, Goldkette ensemble; 8-9, program.

WEAF, New York, N. Y. (491.5m-610kc), 5-6 p. m., Vincent Lopez's orchestra; 6-7, dinner music, Waldorf-Astoria hotel; 7:30, Lullaby Lady; 8, popular concert; 9, A. and P. Gypsies, WEEI, WJAR, WOO, WCAP, WCAE, WWJ; 10, WEAF grand opera, "The Bohemian Girl," WOO, WCAP, WJAR, WTAG, WCAE; 11-12, Ben Bernie and Hotel Roosevelt orchestra.

WEAR, Cleveland, Ohio (389.4m-770kc), 7 p. m., Allen theater orchestra.

WEEI, Boston, Mass. (348.6m-860kc), 6:45 a. m., Tower Health; 12:15, Lenten services, B. F. Keith's theater; 5 p. m., Rainbow Ramblers; 6:13, Joe Rines and his Hunter's Cabin orchestra; 7:30, Black Iron Shiners; 8:15, Central Automobile Tire company, program; 8:45, WEAF; 9, WEAF; 10, Scotty Holmes and his orchestra; Imperial Marimba band.

WFI, Philadelphia, Pa. (394.5m-760kc), 1 p. m., Tea Room ensemble; 3, Lester Druckermiller, violinist, Hazel Loughlin, pianist; Catharine M. Daley, contralto; 6:30, Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra.

WGBS, New York, N. Y. (315.6m-950kc), 1:35 p. m., Monica Irwin, soprano; 1:50, Manhattan string trio; 3:10, Marguerite Stearns, soprano; 3:30, Marguerite Stearns, soprano; 3:40, League of Women Voters' program; 3:50, Marguerite Stearns, soprano; 6, Uncle Geebee; 6:30, Little Bear Balalaika orchestra.

WGCP, New York, N. Y. (252m-1190kc), 3 p. m., program; 4:15, Uncle Robert's pals; 8:30, Strickland's orchestra; 9:30, program; 10, Strickland's orchestra; 10:30, China Royal Restaurant music.

WGHB, Clearwater, Fla. (266m-1130kc), 6:30-7:30 p. m., dinner music, Lakewood terrace orchestra; 8:30-10, Sebring Florida program; 11:30-1, midnight ramble.

WGHP, Detroit, Mich. (270m-1110kc), 6-7 p. m., dinner concert, Hotel Tuller; 8-10, Little Symphony orchestra; John Wummer, flute; Victor Polant, violinist; Florian Wittman, viola; T. Stanley Perry, tenor; Leona E. Mitchell, soprano; 12-1 a. m., Gerald Marks and his orchestra.

WGR, Buffalo, N. Y. (319m-940kc), 2:30 p. m., WGR's afternoon program; 6:30, Charleston Shufflers orchestra; 8, vocal program featuring W. Frederick Root; 8:30, Imhof trio; 9, popular program, Wheat's Ice Cream division of the General Ice Cream company; 10, popular program, Buffalo Arts club; 11, Vincent Lopez Hotel Statler dance orchestra, Harold Gieser, director; John F. Gunderman, Jr., at the organ.

WGY, Schenectady, N. Y. (379.5m-790kc), 2 p. m., Asia Restaurant; 6:30, Porter E. Potts Hotel Van Curler orchestra; 7:45, Severino Mandolin quintet; Emeline Bates, soprano.

WHAR, Atlantic City, N. J. (275m-1090kc), 2 p. m., Seaside hotel trio; 8, Seaside hotel trio; 11, Follies Bergere dance orchestra.

WHAZ, Troy, N. Y. (379.5m-790kc), 9 p. m., St. Patrick's concert; 10:30, dance orchestra.

WHN, New York, N. Y. (361.2m-830kc), 6 p. m., people's hour; 7, Twin Oaks orchestra; 7:30, Joe Ward's Swanee entertainers; 8:05, Roseland dance orchestra; 10:30, Creole Follies; 11, Cotton club orchestra; 11:30, Silver Slipper orchestra; 12, Van and Schenck from the Parody club.

WIP, Philadelphia, Pa., (508.2m-590kc), 1 p. m., Gimbel tea room orchestra; 3, artist recital, Philadelphia Conservatory of Music, Anna Speck, soprano; Flora Ripka, pianist; 6:05, Benjamin Franklin concert orchestra; 6, Uncle Wip's bedtime stories; dancing lessons, Miller Conservatory of Dancing.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Jean Goldkette's symphony orchestra; soloists; 11:30, "The Merry Old Chief."

WJZ, New York, N. Y. (454.3m-660kc), 7:55 p. m., John B. Kennedy; 8, B. Fisher and company's Astor coffee orchestra; 9, Henry Hadley and his Philharmonic orchestra.

WLIT, Philadelphia, Pa. (394.5m-760kc), 12:02 p. m., Stanley theater organ recital; Arcadia cafe concert orchestra; 2, Arcadia cafe concert orchestra; 4:30, Alice Wightman, pianist; 7:30, Dream Daddy's bedtime stories; 8, Short Aero Waves; 9, Stanley theater hour; 10, Arcadia cafe dance orchestra; 10:30, vaudeville features, Knickerbocker theater; 10:45, El Patio dance orchestra.

WLWL, New York, N. Y. (288.3m-1040kc), 9:15 p. m., songs; 10, musicale; 10:15, study club; 10:30, entertainment.

WMAK, Buffalo, N. Y. (266m-1130kc), 7:30-8:30 p. m., Murray Whiteman and his serenaders; 8:30-9, musical program; 9-10, musical program; 10-11, musicale.

WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Olcott Vail and his Hotel McAlpin string ensemble; 6:30, Ernie Golden and his Hotel McAlpin orchestra; 7:30, Kurtz Karnival Kings; 8, Terminal music hour; 10:15, McAlpin news editor; 10:30, Parody club orchestra; 10:45, Van and Schenck; 11:30, Jack Denny's orchestra; 12, McAlpin entertainers.

WNYC, New York, N. Y. (526m-570kc), 6:20 p. m., piano selections; 7:35, piano selections; 8, concert program; 9:20, song recitals; 10, Richmond Versatile orchestra; 10:35, Richmond Versatile orchestra.

WOO, Philadelphia, Pa. (508.2m-590kc), 11 a. m., organ recital; 12:02 p. m., Golden crystal tea room orchestra; 1:45, organ recital; 7:30, Ritz Carlton concert orchestra; 8, pop concert; 9, WEAF; 10, WEAF; 11, Adelphia hotel dance orchestra.

WOR, Newark, N. J. (405.2m-740kc), 2:30-2:45 p. m., Oreste's Queensland orchestra; 6:30-7:15, Jacques Jacobs' Hotel Shelton ensemble; 7:30-7:45, Zit's Central Park Casino orchestra; 8:30-9:30, Al Reid's hour; 11-12, Hofbrau Haus orchestra.

WPG, Atlantic City, N. Y. (299.8m-1000kc), 4:45 p. m., Chalfonte-Haddon hall tea music; 6:45, organ recital, Arthur Scott Brook; 7, Hotel Morton dinner music; 7:30, Union National Bank Silver sextet; 9, Hotel Ambassador concert orchestra; 10, vocal recital; Harry Kaufman, baritone; 10:15, Galen hall trio; Phyllis Herbine, violinist; Adine Barozzi, cellist; Vera Chadsey, pianist; 11, Silver Slipper supper club; Eddie McKnight's dance orchestra.

WRC, Washington, D. C. (468.5m-640kc), 12:30 p. m., Lenten services; 1, Shoreham hotel orchestra; 4:30, musical program.

WTAG, Worcester, Mass. (268m-1120kc), 10:30 a. m., musical selections; 12:05-2, noonday luncheon music; 6-7, dinner music; 7:15, Twilight Scouts; 8:30-9, "Broad and Long;" 9-10, Robin Hood hour of music; 10-11, WEAF.

WTIC, Hartford, Conn. (475.9m-630kc), 11:25 a. m., Beatrice Torgan, violinist; 12:05-1 p. m., Travelers' club orchestra; 6:50, Hub trio; 9, Craig Sisters; 9:30, Emil Heimberger's Hotel Bond dance orchestra; 10:30-12, Travelers' symphonic ensemble.

WWJ, Detroit, Mich. (352.7m-850kc), 12:05 p. m., Jules Klein's Hotel Statler orchestra; 3, Detroit News orchestra; 6, dinner concert; 8, Detroit News orchestra; 9, A. and P. Gypsies.

The mammoth organ recently installed in t Music at Baltimore, by the munificent beque by fans through WBAL. Frederick D. We instrument, has been chosen official organi Charlotte Warren Anderson, left. Her sop station. The Atwater Kent program this Su Johnson, right, and Joan Ruth. This pr

Central Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., dinner concert; 8:30-10:30, Belshaw's orchestra; Harmony boys and Cowbell boys.

KFKU, Lawrence, Kan. (275m-1090kc), 7:15 p. m., Clifton E. Mott, pianist; K. U. string trio.

KFRU, Columbia, Mo. (499.7m-600kc), 6:15 p. m., dinner music.

KFUO, St. Louis, Mo. (545.1m-550kc), 8 p. m., musical program, Bass Clef quartet.

KMA, Shenandoah, Iowa (252m-1190kc), 6-7 a. m., vocal solos, Jack Todd; 11:30-12:30, travelogue; G. H. Van Houten, musical saw; 6-7 p. m., popular music, 9-11 Farmham trio; Grady and Doc.

KMOX, St. Louis, Mo. (280.2m-1070kc), 12:30 p. m., Arthur L. Utt, organist; 4, String ensemble music, soloists; 6, Arthur L. Utt, organist; 6:30, Mrs. Jacques Landree, organist; Mrs. Frank Howard, vocalist; 7, orchestra, "Buster Brown"; quartet; Mary Jane; 8, orchestra; Collinsville Ukulele club; 9, orchestra; Collinsville High school glee club; 10, orchestra; 10:30, orchestra; A. W. Snyder, popular numbers on accordion.

KPRC, Houston, Texas (296.9m-1010kc), 7:30 p. m., Malon Gunn's dance orchestra; 8:30, Edna Adams; Mrs. E. E. Sawyer, pianist; 9:30, Skyline studios.

KSD, St. Louis, Mo. (545.1m-550kc), 9 p. m., program, Mrs. K. B. Buchanan.

KSO, Clarinda, Iowa (241.8m-1240kc), 7-7:30 p. m., music; 7:30-9:30, old-time music, Parnell.

KTHS, Hot Springs, National Park, Ark. (374.8m-800kc), 9-9:45 p. m., concert, New Arlington Meyer Davis orchestra; 9:50-10:50, concert, Rainbow Garden; 10:50-11, Lon Chassy, violinist; John G. Heyn, pianist; 11-12, Brick English and his 10-piece orchestra.

KUOA, Fayetteville, Ark. (299.8m-1000kc), 8 p. m., special program, Henry Tovey.

KWWG, Brownsville, Tex. (278-1080kc), 6 p. m., Texas theater orchestra; 8:30, Chamber of Commerce band.

KYW, Chicago, Ill. (536m-560kc), 12:05-1 p. m., noonday concert; 1-2, luncheon concert, Congress hotel; 6-7, dinner music.

WAMD, Minneapolis, Minn. (244m-1230kc), 12 noon, popular musical program; 5:45 p. m., WAMD Boys' A. C.; 7:01, Garrick theater symphony orchestra; 7:20, classical program; 11, Skyrocket frolic, George Osborn and his orchestra.

WBAP, Ft. Worth, Tex. (475.9m-630kc), 12:05-12:30 p. m., musical program; 6-6:30, dinner music, Chief Gonzales Texas hotel orchestra; 7:30-8:30, R. O. T. C. band; 9:30-11, Ward's "Trail Blazers"; varied entertainment.

WBBM, Chicago, Ill. (226m-1330kc), 4-6 p. m., Harry Sosnik; Sandy Meek; Irene Beasley, Jack Pennewell and Freddy Palmiter; Court Banks; Joe McManus; Edna Wheeler Ballard, harpist; 6-7, Beulah Mowers, concert pianist; Two Jays; Charlie Garland; Barber Shop Three; Floyd Falch; Fair and Warmer, pianists; Dave Handler, violinist.

WCAL, Northfield, Minn. (336.9m-890kc), 8:30 p. m., Viking quartet; WCAL orchestra; Charles Johnson, reader.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 12 noon, noon concert, Donaldson's orchestra; 2:30, afternoon concert; 4, Reader's club; 6:30, dinner concert, Gordon Cooke ensemble; 8, University of Minnesota program; 9, classical program.

WDAF, Kansas City, Mo. (365.6m-820kc), 11:45-1 a. m., Ted Weems' Victor Recording orchestra; Ben Bernie's orchestra; Ted Meyn, organist.

WEMC, Berrien Springs, Mich. (285.5m-1050kc), 8:15 p. m., Radio Lighthouse Music Makers; varied selections.

WFAA, Dallas, Texas (475.9m-630kc), 12:30-1 p. m., Edmund F. Bottcher, tenor; Viola Cassidy, pianist; 4:30-5, Cyrus Barcus, cornetist; 6:30-7:30, Honey Boys orchestra; 8:30-9:30, agricultural program.

WGES, Oak Park, Ill. (250m-1200kc), Coyne serenaders.

WGN, Chicago, Ill. (302.8m-990kc), 12:40-2:30 p. m., concert, Drake concert ensemble; Blackstone string quintet; 2:30-3, Lyon and Healy artists; 3:30-4:15, tea time music, Marshall Field's tea room orchestra; 4:30-5, organ recital, Edward Benedict.

WGST, Atlanta, Ga. (270m-1110kc), 9-10 p. m., program, Pi Kappa Alpha fraternity.

WHAD, Milwaukee, Wis. (275m-1090kc), 6:15-7 p. m., Bill Benning's Milwaukee Athletic club orchestra; 8:30-10, Wisconsin theater revue; dance music, talent.

WHAS, Louisville, Ky. (399.8m-750kc), 1-2 p. m., concert, Royal Peacock orchestra; 3:30-4, special music; 4-5, concert; Irene Rigsby, soprano solos, accompanied by Thelma Day.

WHB, Kansas City, Mo. (365.6m-820kc), 2-3 p. m., Sweeney instrumental trio; 7-8, popular musical program, Sweeney orchestra; Glenn Durrell, pianist; Palmer Lowry, saxophonist; Kam Wallace, saxophonist; Glenn Francis, trumpet soloist; Jack Gallett, trombonist; Don Van Horn, sousaphonist; O. M. Smith, banjoist.

WHO, Des Moines, Iowa (526m-570kc), 7:30-9 p. m., Prof. Paul Stoye, pianist and composer; Prof. Joseph Gifford, reader; Mrs. Robert Evans, soprano; Mrs. Stewart Witmer, pianist; 11-12, dance programs.

WHT, Chicago, Ill. (399.8m-750kc), 12 m., Al Carney complimentary organ recital; 6, Pat Barnes and Al Carney.

WJJD, Mooseheart, Ill. (370.2m-810kc), 12-1 p. m., Palmer House symphony players; Palmer House trio; 2-3, Howard L. Peterson, organist; 4-5, children; 5:30, dinner hour; 6:40, Billy Van.

WKAF, Milwaukee, Wis. (261m-1150kc), 10-11 p. m., Alvin Morris, pianist; Olga Christianson, mezzo-soprano; Anne Bauman, contralto.

WKRC, Cincinnati, Ohio (325.9m-920kc), 6 p. m., Alvin Roehr and his Hotel Alms orchestra; 8, popular song hour; 9, American Legion; 12, frolic; 12:30 a. m., Wesley Helvey's Troubadours.

WLS, Chicago, Ill. (344.6m-870kc), 12 m., WLS trio, 6, WLS trio; Ralph Emerson, organist.

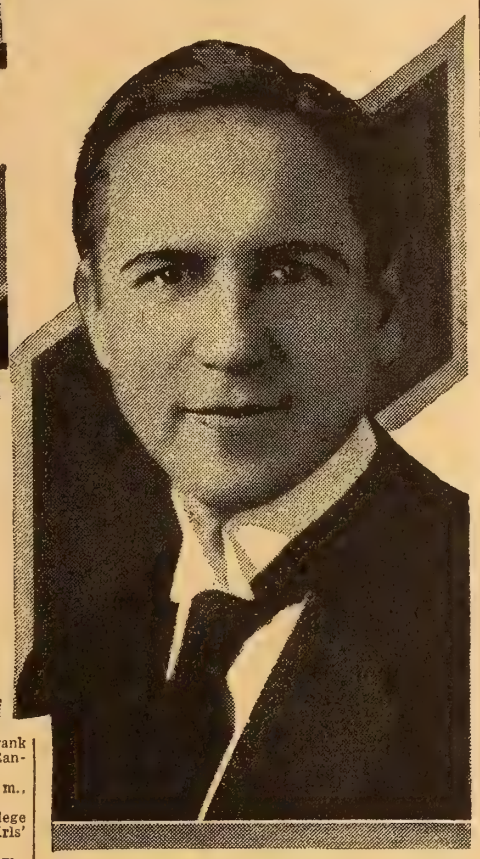
WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., dinner concert, Hotel Gibson orchestra; 7:30, theatrical feature; 8, concert, the Cincinnati Times-Star orchestra, William Kopp, director; Howard Hafford, tenor.

WMAQ, Chicago, Ill. (447.5m-670kc), 12:20 p. m., Junior Association of Commerce; 2, program for shutins; 4:35, pupils, Genn Dillard Gunn School of Music; 5, games for the home, Glenn D. Adams; 6, Chicago theater organ recital; 6:30, Hotel La Salle orchestra; 6:40, Family Altar league.

WMC, Memphis, Tenn. (499.7m-600kc), 8:45 p. m., Cortese ensemble.

NSON AND JOAN RUTH OVER CHAIN

ncert hall of the Peabody Conservatory of he late James Leakin may now be enjoyed sitting at the keyboard of this beautiful welcome visitor at WOC, Davenport, is voice has graced many programs at this will be given by two great artists, Edward may be heard over the WEAF chain.



gram, L. W. Stockwell company; 9-10, KNX feature program; 10-11, Goodrich Silvertown Cord dance orchestra; 11-12, Ray West's Cocoanut Grove dance orchestra from Ambassador hotel.

KOAC, Corvallis, Ore. (280.2m-1070kc), 6:50 p. m., musical selections.

KOWW, Walla Walla, Wash. (256m-1170kc), 8-10 p. m., program, Bob Fletcher and family of Cowboy and Cowgirl entertainers; 10-12, dance music.

KTAB, Oakland, Calif. (240m-1250kc), 9-9:30 a. m., prayer service; 12-1, luncheon concert; 8-10, program.

KWSC, Pullman, Wash. (348.6m-860kc), 7:30 p. m., Louise Kelsey, piano soloist; special numbers, Marimba trio; Mrs. Margarita Beneke Benner, vocal soloist.

Tuesday, March 16

Headliners Today

Eastern	Central	Mountain	Pacific
7:30 p. m.	6:30 p. m.	5:30 p. m.	4:30 p. m.

WRC (468.5m-640kc) U. S. Marine band.

8	7	6	5

WGHP (270m-1110kc) Funsters.

8:20	7:20	6:20	5:20

WIP (508.2m-590kc) "Vision," lenten drama.

Eastern	Central	Mountain	Pacific
8:30 p. m.	7:30 p. m.	6:30 p. m.	5:30 p. m.

WHAS (399.8m-750kc) Zoeller's Melodists.
WHO (526m-570kc) Herring Motor band.
WHB (365.6m-820kc) Violin choir.

11	10	9	8

KGO (361.2m-830kc) Mishel Piastro.
KPO (428.3m-700kc) Aeolian trio.

11:05	10:05	9:05	8:05

WCCO (416.4m-720kc) "A Step On the Stairs," drama.

Tuesday, silent night for: CFCA, CHIC, CKNC, CKY, CNRC, CNRE, CNRM, CNRO, CNRW, CNRT, KFKX, KFKU, KUOA, KFUO, KFWA, KYX, KOA, KOAC, KOB, KOWW, KUOM, KWSC, WABQ, WAHG, WAMD, WBBR, WCAD, WCAL, WCAP, WEMC, WGCP, WGST, WHAD, WHAZ, WJAD, WJAZ, WKAF, WKAQ, WLWL, WOI, WOS, WRVA, WSMB, WSUI, WTAM, WTIC.

Eastern Time Stations

CNRA, Moncton, Can. (291.1m-1030kc), 7 p. m., Juvenile program; 8, CNRA orchestra, mixed quartet.

KDKA, Pittsburgh, Pa. (309.1m-970kc), 12:20 p. m., Trinity church lenten service; 6:30, dinner concert; 8:30, sacred songs; 9, musical lenten program; 11:35, concert, Grand theater.

WAHG, Richmond Hill, N. Y. (315.6m-950kc), 12 noon, midday lenten services; 12:35 p. m., studio program.

WBAL, Baltimore, Md. (246m-1220kc), 6:30-7:30 p. m., dinner program; WBAL dinner orchestra; 7:30-8, WBAL quartet; 8-9, musical program; Abraham Robofsky, violinist; George Bolek, pianist; James Wilkinson, baritone; 9-10, WBAL string trio; Philip Jeffreys, pianist.

WBZ, Springfield, Mass. (333.1m-900kc), 6:30 p. m., Hotel Lenox ensemble; 8, professional hockey game, Boston Bruins vs. Montreal.

WCAE, Pittsburgh, Pa. (461.3m-650kc), 4:30 p. m., Sunshine Girl; 6:30, dinner concert, William Penn hotel; 8, WEAF; 8:30, WEAF; 9, WEAF; 10, moment's musicale; 11, Kenyon theater.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30, Snellenburg Instrumental trio; 8:10, the Three Brothers; 8:25, theater digest, Abe Lischutz; 8:35, playlet; 9, Robert Frazer, blind Gospel singer, Elizabeth Holtz, pianist; 9:30, the Sea Gulls; 10, Sam Gold, the murmuring baritone; 10:30, Cathay Tea Gardens dance orchestra.

WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., dinner program, Goldkette ensemble; 10-2 a. m., Red Apple club.

WEAF, New York, N. Y. (491.5m-610kc), 4 p. m., "Conserving Nature," Katherine Dolbaer; 4:10, Osborne Sisters, vocal duets; 5, Vincent Lopez and tea room orchestra; 6, dinner music, Hotel Waldorf-Astoria; 7, Vivian Sherwood, contralto; 7:30, American composers program; 8, Blue Ribbon male quartet, WEEI, WFI, KSD, WCAE, WWJ, WGR, WCCO, WOC; 8:30, Gold Dust Twins, WEEI, WFI, WCAE, WGR, WWJ, WOC, WJAR, WCCO, WLIB, WEAR, KSD; 9, Eveready hour, WEEI, WFI, WCAE, WGR, WWJ, WOC, KSD, WJAR, WCCO, WTAG, WGN, WEAR, WSAI; 10, Radio auction bridge game, WEEI, WFI, WGR, WCCO, WSAI, WOC, WWJ; 10:30, Vincent Lopez and his orchestra, WEEI, WFI, WWJ, WGR, KSD, WCAE, WEAR, WTAG; 11-12, Ross Gorman and his orchestra.

WEAO, Columbus, Ohio (293.9m-1020kc), 7 p. m., chimes, Allen McManigal; 7:45, music.

WOAW, Omaha, Nebr. (526m-570kc), 6:20 p. m., Frank Peterson, tenor; Helen Higgins, pianist; 6:50, Randall's Royal Fontenelle orchestra; 9, classical.

WOC, Davenport, Iowa (483.6m-620kc), 5:45-6 p. m., chimes concert.

WOI, Ames, Ia. (270m-1110kc), 12:30 p. m., college chimes; 8:10, musical program, State College girls' glee club.

WOS, Jefferson City, Mo. (440.9m-680kc), 10 p. m., community program.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., program, Camp Fire Girls; 10:45, Vic Myers' orchestra.

WSM, Nashville, Tenn. (282.8m-1060kc), 6:30 p. m., concert, Francis Craig's orchestra; 8, Mrs. L. Gamble, soprano, and artists; 10, Vito Pellettieri and his orchestra.

WSUI, Iowa City, Iowa (483.6m-620kc), 9 p. m., American Legion.

Mountain Time Stations

CFAC, Calgary, Canada (435.8m-688kc), 9 p. m., ladies concert trio.

KFWA, Ogden, Utah (261m-1150kc), 4-5 p. m., organ recital, Paramount theater; 5-6, Radio dealers program.

KFXF, Colorado Springs, Colo. (250m-1200kc), 8:30 p. m., Mrs. Henry L. Newman, Jr., contralto; Temple quartet.

KOA, Denver, Colo. (322.4m-930kc), 12:15 p. m., Rialto theater organ recital, Marjorie Nash; 6:30, dinner concert, Brown Palace string orchestra; 8:30, miscellaneous music; 9:30, miscellaneous music; 9:40, Radio mystery serial, "A Step on the Stairs."

KUOM, Missoula, Montana (244m-1230kc), 8 p. m., music.

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-640kc), 5:30-6 p. m., Owen Fallon's Californians; 6, nightly doings; 6:15, travel guide; 6:30, vest pocket program; 6:45, Radiotorial period; 7-8, old-time New England barn dance; 8-9, Packard Eight dance orchestra; 9-10, program, Walter M. Murphy Motors company, Misha Gegna orchestra; 10-11, program, Meiklejohn Brothers.

KFOA, Seattle, Wash. (454.3m-660kc), 12:30-1:30 p. m., luncheon program; 7-8:15, Sherman Clay and company studio program; 8:30-10, Times studio program.

KFON, Long Beach, Calif. (232.4m-1280kc), 6-6:30 p. m., Brayton's theater organ; 6:30-7, amusement information; 7-8, investor's hour, with music; 8-9, Press-Telegram studio; 9-11, KFON studio program.

KFWB, Hollywood, Calif. (252m-1190kc), 6-7 p. m., dinner music, Fitzgerald Music company; 7:30-8, program, Dr. Ralph Mitchell and associated dentists; Friendly Dentists' orchestra; 8-9, Bill Hatch's Oakmont Country club orchestra; 9-10, program, Star Motor Car company, Million-Dollar Four orchestra; Tom Breneman, baritone; Sol Hoopii's Hawaiians; 10-11, Warner Brothers' frolic.

KGO, Oakland, Calif. (361.2m-830kc), 11:30-1 p. m., luncheon concert; 6-6:55, Brokaw and orchestra; 8:50, slumber song; 9:30, Arion trio.

KGW, Portland, Ore. (491.5m-610kc), 12:30-1:30 p. m., the First National bank and the Security Savings and Trust company; 6-7, dinner concert, Olds, Wortman and King company; 8-9, concert, vocal and instrumental; 9-10, concert, vocal and instrumental, Henry Jenning and Sons.

KJR, Seattle, Wash. (389.4m-780kc), 7-8 p. m., Sears Roebuck and company studio program, Mendelssohn trio; 8:30-10, Post Intelligencer studio program.

KLX, Oakland, Calif. (508.2m-590kc), 6:30-7 p. m., Athens Athletic club orchestra; 8-9, program; 9-10:30, Lake Merritt Ducks.

KMTR, Hollywood, Calif. (238m-1260kc), 7:15 p. m., Y. M. C. A. musical program; 8-10, KMTR concert orchestra, Loren Powell, director; 10-11, Starr Piano company studio.

KNX, Hollywood, Calif. (336.9m-890kc), 5:30 p. m., Leighton's cafeteria orchestra; 6:30-7, Atwater Kent orchestra; 7-7:30, Mutual Motors mirth contest; 7:30-8, program, Overell's Furniture company; 8-9, pro-

FARMERS' PROGRAMS INDEX

Farmer Dinner Concerts

Daily Except Sunday

CENTRAL TIME

KFNF, 12:15-1:35 p. m.
KMA, 11:30-12:30
KSO, 12:30-1:30 p. m.
WLS, 12 noon.

Saturday, March 13

Eastern	Central	Mountain	Pacific
1 p. m.	12 noon	11 a. m.	10 a. m.

KPRC (296.9m-1010kc) Farmers' educational and musical program.

1:45	12:45 p. m.	11:45	10:45

WOI (270m-1110kc) Soils, questions and answers.

8	7	6 p. m.	5 p. m.

KDKA (309.1m-970kc) Farm program.

9:05	8:05	7:05	6:05

KFAB (340.7m-880kc) "Cost of Producing Corn in Nebraska," A. Medlar.

9:30	8:30	7:30	6:30

KFAU (280.2m-1070kc) Agricultural talk, question box.

Sunday, March 14

Eastern	Central	Mountain	Pacific
3:30 p. m.	2:30 p. m.	1:30 p. m.	12:30 p. m.

WFAA (475.9m-630kc) Sunday hour for farmers.

Monday, March 15

Eastern	Central	Mountain	Pacific
12 noon	11 a. m.	10 a. m.	9 a. m.

WRC (468.5m-640kc) Fifty Farm flashes.

1:15 p. m.	12:15 p. m.	11:15	10:15

WOC (483.6m-620kc) "Saving a Maximum of New Born Pigs," John Evvard.
WEAO, (293.9m-1020kc) Timely Economic Information for the Farmer, C. J. West.

1:35	12:35	11:35	10:35

KSAC (340.7m-880kc) "Fruit Varieties to Plant in Kansas," L. Williams. "Pastures," R. Kiser.

1:45	12:45	11:45	10:45

WOI (270m-1110kc) "Suggestions for Conditioning Work Animals," Dr. H. Bemis.
WMAQ (447.5m-670kc) Radio farm school.

7	6	5 p. m.	4 p. m.

WGY (379.5m-790kc) Agricultural program.

7:45	6:45	5:45	4:45

WSOE (246m-1220kc) Hog Raising.

8:15	7:15	6:15	5:15

KSAC (340.7m-880kc) "Feeding the Ewe Flock," H. Reed. "Pulling Through the First Three Weeks," H. Steup.

8:30	7:30	6:30	5:30

KUOA (299.8m-1060kc) "Farm Filosofy," Cy Adams. "Sheep for Arkansas," M. Alexander. "Dairying in the Delta," E. Dargan. "Silage," W. Woodley. "Poultry Development in Grant County," W. Vinzant.
KOB (348.6m-860kc) "Care of the Sow at Farrowing Time," W. Dickson. "Incubation," L. Berry.

8:45	7:45	6:45	5:45

WCCO (416.4m-720kc) Farm lecture.
WOI (270m-1110kc) "Pruning Grape Vines," B. Pickett.
WTIC (475.9m-630kc) "Growing Healthy Chicks," Ben Southwick.

9:05	8:05	7:05	6:05

KFAB (340.7m-880kc) "Seed Corn," P. Stewart. "The Spray Program," F. Coe.

10	9	8	7

KOAC (280.2m-1070kc) Agricultural question box. "Brooder Management," A. Lunn.

10:30	9:30	8:30	7:30

KOAC (280.2m-1070kc) "Keeping the Work Horse's Shoulders in Good Condition," B. Rodenwold.
KWSC (348.6m-860kc) "Influence of Rearing on Egg Production," W. Buchanan. "Contribution of Science to the Dairy Industry." "The Relation of Bacteriology to Clean Milk," E. Ellington.

10:45	9:45	8:45	7:45

KOAC (280.2m-1070kc) "Oregon's Agricultural Situation," R. S. Besse.

11:05	10:05	9:05	8:05

KGO (361.2m-830kc) Farm program.

Tuesday, March 16

Eastern	Central	Mountain	Pacific
11:30 a. m.	10:30 a. m.	9:30 a. m.	8:30 a. m.

KFAB (340.7m-880kc) "Management of Growing Stock," F. Mussehl.

12 noon	11	10	9

WRC (468.5m-640kc) Fifty Farm flashes.

1:15 p. m.	12:15 p.m	11:15	10:15

WOC (483.6m-620kc) "The Answer to Some of Your Poultry Programs," A. Philips.

1:35	12:35	11:35	10:35

KSAC ((340.7m-880kc) "Minerals for Animals," J. Lumb.

1:45	12:45	11:45	10:45

WMAQ (447.5m-670kc) Radio farm school.
WOI (270m-1110kc) "Animal Husbandry," H. H. Kildee.

7:15	6:15	5:15 p. m.	4:15 p. m.

WKAR (285.5m-1050kc) "Poultry Diseases," W. Mallmann.

7:30	6:30	5:30	4:30

WKAR (285.5m-1050kc) "The Influence of Sunshine and Cod Liver Oil on Poultry," J. Moore.

7:45	6:45	5:45	4:45

WKAR (285.5m-1050kc) "Draft Horse Types," R. Hudson.

8	7	6	5

KFRU (499.7m-600kc) "Beef Cattle in Missouri Farming," E. Trowbridge.
KSAC (340.7m-880kc) "Cause of Variations in Cream Tests," W. Martin. "Planting the Garden," W. Balch.

8:33	7:33	6:33	5:33

KYW (535.4m-560kc) "Quality Boys—Quality Calves—Quality Meats," Jack Hill.

9:05	8:05	7:05	6:05

WEAO (293.9m-1020kc) "Fruits: The Soil and Its Preparation," F. G. Charles.

9:30	8:30	7:30	6:30

KOA (322.4m-930kc) Farm question box, George Wheeler.

Wednesday, March 17

Eastern	Central	Mountain	Pacific
12 noon	11 a. m.	10 a. m.	9 a. m.

WRC (468.5m-640kc) Fifty Farm flashes.

1:15 p. m.	12:15 p. m.	11:15	10:15

WOC (483.6m-620kc) "Profitable Dairy Feed for Every Month—September and October," O. Reed.

1:30	12:30	11:30	10:30

WFAA (475.9m-630kc) Sears-Roebuck Agricultural program.

1:35	12:35	11:35	10:35

KSAC (340.7m-880kc) "The Corn-Hog Ratio," E. Stokdyk. "Some Demonstration Results Worth Considering," A. Clapp.

1:45	12:45	11:45	10:45

WMAQ (447.5m-670kc) Radio Farm school.
WOI (270m-1110kc) Poultry husbandry.

1:50	12:50	11:50	10:50

KFKX (288.3m-1040kc) "A B C's of Dairying," C. Long.

8:15	7:15	6:15 p. m.	5:15 p. m.

KSAC (340.7m-880kc) "How Our New Road Laws Are Working," W. Buck. "When Should the Farm Family Build a New Home," W. Ward.

9 p. m.	8 p. m.	7 p. m.	6 p. m.

WTIC (475.9m-630kc) "Co-operation—Its Place in Agriculture," Paul Fossum.

9:15	8:15	7:15	6:15

WEMC (285.5m-1050kc) "Michigan's Fruit Belt," G. McOmber.

Thursday, March 18

Eastern	Central	Mountain	Pacific
12 noon	11 a. m.	10 a. m.	9 a. m.

WRC (468.5m-640kc) Fifty Farm Flashes.

1:15 p. m.	12:15 p. m.	11:15	10:15

WEAO (293.9m-1020kc) "Shall We Grow Potatoes?" L. M. Montgomery.
WOC (483.6m-620kc) "Soy Bean Seed—Always Same Poor Situation Critical This Year," J. Hackelman.

1:35	12:35	11:35	10:35

KSAC (340.7m-880kc) "Prepare for a 100 Bushel Corn Yield," L. Willoughby. "Farm Account Club Records," I. Chapman.

1:45	12:45	11:45	10:45

WMAQ (447.5m-670kc) Radio farm school.
WOI (270m-1110kc) Farm crops.

7:15	6:15	5:15 p. m.	4:15 p. m.

WKAR (285.5m-1050kc) "Use of Skim Milk on the Farm," A. Baltzer. "Care and Marketing of Cream," E. Scott. "Value of Succulent Ration for Dairy Cows," George Taylor.

8	7	6	5

KSO (242m-1240kc) Farm talk.

8:30	7:30	6:30	5:30

WOI (270m-1110kc) "Emergency Hay Crops," F. Wilkins.

9:30	8:30	7:30	6:30

KOA (322.4m-930kc) Farm question box.

Friday, March 19

Eastern	Central	Mountain	Pacific
12 noon	11 a. m.	10 a. m.	9 a. m.

WRC (468.5m-640kc) Fifty Farm Flashes.

1:15 p. m.	12:15 p. m.	11:15	10:15

WOC (483.6m-860kc) Special Farm Service Day.
KTHS (374.8m-800kc) Farmers' Radio Chautauqua.

1:35	12:35	11:35	10:35

KSAC (340.7m-880kc) "Fighting Moles with Poison Corn," A. Oman. "Corn Type Tests," F. Blecha.

1:45	12:45	11:45	10:45

WOI (270m-1110kc) Agricultural Economics. "Trend of Market and Market Prices," P. Miller.

2	1	12 n.	11

KFKX (288.3m-1040kc) Special Farm Service day.

7:15	6:15	5:15 p. m.	4:15 p. m.

WKAR (285.5m-1050kc) "Wheat and Chaff," H. Rather. "Preparing for the Most Profit from Beans," H. Pettigrove. "Flax for Fibre," C. Megee. "Flax for Seed," C. Skiver. "Possibilities of Alfalfa Seed Growing in Michigan," H. Rather.

8:15	7:15	6:15	5:15

KSO (242m-1240kc) Farm talk.

11:45	10:45	9:45	8:45

WOC (483.6m-620kc) Question box.

8:35	7:35	6:35	5:35

WCCO (416.4m-720kc) Farm lecture.
KWSC (348.6m-860kc) "Destroying Grasshoppers by Poison Gas," Anthony Spuler. "Fertilizers and Their Uses," Leonard Hegnauer.

Markets and Weather

Daily Except Sunday

Eastern	Central	Mountain	Pacific
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.

WOAW (526m-570kc) Markets.

9:45	8:45	7:45	6:45

KDKA (309.1m-970kc) Livestock, grain.

10	9	8	7

WLS (344.6m-870kc) Livestock, markets, fruit.
WOS (440.9m-680kc) Hogs.

10:30	9:30	8:30	7:30

WFAA (475.9m-630kc) Markets.

10:45	9:45	8:45	7:45

WCCO (416.4m-720kc) Markets.
WMC (499.7m-600kc) Weather, markets.

11	10	9	8

WOS (440.9m-680kc) Weather, hogs.

11:15	10:15	9:15	8:15

WTAG (268m-1120kc) Markets, weather.

11:30	10:30	9:30	8:30

KFKX (288.3m-1040kc) Weather, Chicago Board of Trade, livestock, Chicago and New York butter and egg market, local produce.
WCCO (416.4m-720kc) Markets.
WEAR (389.4m-770kc) Markets, weather.

11:45	10:45	9:45	8:45

WAAW (384.4m-780kc) Livestock, butter, eggs.

12 n.	11	10	9

KDKA (309.1m-970kc) Weather, livestock, grain.
WBAP (475.9m-630kc) Weather, cattle, grain.
WLS (344.6m-870kc) Poultry, dairy, hogs, sheep.
WOS (440.9m-680kc) Livestock, poultry, eggs, grain.

12:30 p. m.	11:30	10:30	9:30

KFKX (288.3m-1040kc) Livestock, fruit, vegetables, dairy.
WEAR (384.4m-780kc) Markets, weather.
WFAA (475.9m-630kc) Markets.

1	12 n.	11	10

WBAP (475.9m-630kc) Markets.
WOS (440.9m680kc) Livestock, weather.

1:30	12:30 p. m.	11:30	10:30

KTHS (374.8m-800kc) Markets, weather, market, apples.
WOAW (526m-570kc) Markets.

1:45	12:45	11:45	10:45

KOA (322.4m-930kc) Weather, roads, livestock, poultry.

2	1	12 n.	11

WOC (483.6m-620kc) Weather, grain, livestock, dairy.

2:15	1:15	12:15 p. m.	11:15

WAAW (384.4m-780kc) Grain markets.
WFAA (475.9m-630kc) Markets.

3	2	1	12 n.

WLS (344.6m-870kc) Livestock, grain, dairy, fruit, vegetables.
WOS (440.9m-680kc) Livestock, markets, grain.

3:30	2:30	1:30	12:30 p. m.

WFAA (475.9m-630kc) Markets.
WMC (499.7m-600kc) Markets, weather.

3:50	2:50	1:50	12:50

WWJ (352.7m-850kc) Weather, markets.

4	3	2	1

WCCO (416.4m-720kc) Markets.
WFAA (475.9m-630kc) Markets.

5:50	4:50	3:50	2:50

WHAS (399.8m-750kc) Markets.

6:30	5:30	4:30	3:30

KSAC (340.7m-880kc) Markets.

6:45	5:45	4:45	3:45

WIP (508.2m-590kc) Livestock, markets.
KSAC (340.7m-880kc) Market review.
KFWA (261m-1150kc) Market reports.

8	7	6	5

KOA (322.4m-930kc) Sheep, markets, livestock, poultry.

11	10	9	8

WCCO (416.4m-720kc) Weather, grain.

WE

POPU

Saturday, M

Eastern	Central	
7:30 p. m.	6:30 p. m.	5

WFAA.

8	7	6

WAMD, WLS.

9	8	7

WBBM, WEAF, WENR, W
WNYC.

10	9	8

KFAB, KPRC, WBBM, W
WLS, WMBB, WREO.

11	10	9

KFVE, KFWB, KNX, KT
WOK, WQJ, WRC.

12	11	10

KNX, KOIL, KPO, KPRC,
WOAW, WOK, WQJ.

1 a. m.	12 m.	11

KFWB, WDAF, WBBM, W
WQJ, WSAI.

2	1 a. m.	12

KNX, WBBM, WEBH, WE

Sunday, Ma

Eastern	Central	
9 p. m.	8 p. m.	7

WBBM.

10	9	8

WBBM, WMBB.

11	10	9

WMBB.

12	11	10

KNX, KTHS.

1 a. m.	12 m.	11

KFWB, WBBM.

2	1 a. m.	12

KFWB.

Monday, Ma

Eastern	Central	
7 p. m.	6 p. m.	5

WBBM, WFAA, WOAW.

8	7	6

WGBS.

9	8	7

WCAU, WEAF, WGR, WK

10	9	8

KFAB, WEBH, WGR, WK
WOK, WSOE.

11	10	9

KFAB, KFVE, WOK.

12 m.	11	10

KLX, KNX, KOIL, WAMD,

1 a. m.	12 m.	11

KFWB, KLX, WAHG, W
WOK.

2 a. m.	1 a. m.	12

KFWB.

Tuesday, Ma

Eastern	Central	
7 p. m.	6 p. m.	5

WMCA, WOAW.

8	7	6

WBBM, WEAR.

9	8	7

WBBM, WEAR, WBZ, WS

10 p. m.	9 p. m.	

WBBM, WEBH, WMMB,

Monday, Ma

Headliners

Eastern	Central	Mo
7:45 p. m.	6:45 p. m.	5:45 p. m.

WGY (379.5m-790kc) Severino mandolin q

8:15	7:15	6:15

WGY (379.5m-790kc) "A Step On the Stair
tery play.
WEMC (285.5m-1050kc) Lighthouse Music

8:30	7:30	6:30

WBAP (475.9m-630kc) R. O. T. C. band.
WGR (319m-940kc) Imhof trio.

9	8	7

WBZ (333.1m-900kc) Shriners' band.
WCAU (277.6m-1080kc) Merry Minstrels.
WHAZ (379.5m-790kc) St. Patrick's concert.
WSB (428.3m-700kc) Camp Fire Girls.

9:30	8:30	7:30

KFAB (340.7m-880kc) Old Tune night.
KPRC (296.9m-1010kc) Edna Adams.
WCAL (336.9m-890kc) Viking quartet.

10:15	9:15	8:15

WPG (299.8m-1000kc) Galen Hall trio.

10:30	9:30	8:30

WTIC (475.9m-630kc) Travelers' symphonic e

12	11	10

KFI (467m-640kc) Misha Gegna orchestra.

**Monday, silent night for: CNRA, CNR(
CNRM, CNRO, CNRR, CNRT, CNRV, CNRV
KFDM, KFEQ, KFMX, KFWA, KHJ, KLD
KYW, WBBM, WBCN, WCAD, WCBD, WEA
WEBJ, WEBW, WENR, WGBS, WGES, WGI
WHT, WIBO, WIP, WJAZ, WJJD, WKA
WLS, WMAQ, WMBB, WOAI, WOC, WOK
WQJ, WRC, WREO.**

Eastern Time Stations

CKNC, Toronto, Can. (356.9m-840kc), 8-10 p.
Symphony orchestra; Arthur VanderVoort, b
Hall-VanderVoort, soprano; Charles Shearer,
KDKA, Pittsburgh, Pa. (309.1m-970kc), 12:
Trinity church lenten service; 6:30, dinne
9, Rund light opera.
WAHG, Richmond Hill, N. Y. (315.6m-950kc)
lenten services; 12:15 p. m., Grebe matinee
Walter Iossa, novelty pianist; 8, Synchropi
9:15, William Helfenstein, baritone; 9:3
Raphael, pianist; 9:15, William Helfenstein,
10, Trainmen's trio; 10:30, Joe Zimmerman's
tra; 12, Queens Melody Boys.
WBAL, Baltimore, Md. (246m-1220kc), 6:30-7:30 p. m.,
dinner program; WBAL orchestra; 7:30-8, Frederick
D. Weaver, organist; 8-9, musical program, Emma
Slagle, soprano soloist; Elmer Burgess, pianist; 9:10-
10, musical program; Georgie Kelly, contralto; Clar-
ence Hihn, tenor; Clyde McKay, baritone.
WBBR, New York, N. Y. (272.6m-1100kc), 8 p. m.,
Irene Kleinpeter, soprano; Fred Franz, tenor.
WBZ, Springfield, Mass. (333.1m-900kc), 6:30 p. m.,
Hotel Kimball dance orchestra; 7:30, organ recital,
Rene Dagenais; 8, Capitol theater orchestra; 8:30,
Walter Francis Vreeland and Irene Conner, banjo, uke
and guitar selections; 9, Aleppo Drum Corps or
Shriners' band; 9:30, organ recital; 10:05, government
interference tests; 10:15, Movie club, vaudeville at-
tractions.
WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m.,
dinner concert, William Penn hotel; 7:30, Sunshine
Girl; 8, studio concert; 9, concert; 10, grand opera;
11, Ralph Harrison's Midnight Sons.
WCAP, Washington, D. C. (468.5m-640kc), 7-11 p. m.,
WEAF.
WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., dinner
program, Goldkette ensemble; 8-9, program,
orchestra; 10:30, Creole Follies; 11, Cotton club or-
chestra; 11:30, Silver Slipper orchestra; 12, Van and
Schenck from the Parody club.
WIP, Philadelphia, Pa., (508.2m-590kc), 1 p. m.,
Gimbel tea room orchestra; 3, artist recital, Philadel-
phia Conservatory of Music, Anna Speck, soprano;
Flora Ripka, pianist; 6:05, Benjamin Franklin con-
cert orchestra; 6, Uncle Wip's bedtime stories; danc-
ing lessons, Miller Conservatory of Dancing.
WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Jean
Goldkette's symphony orchestra; soloists; 11:30, "The
Merry Old Chief."
WJZ, New York, N. Y. (454.3m-660kc), 7:55 p. m., John
B. Kennedy; 8,. B. Fisher and company's Astor coffee
orchestra; 9, Henry Hadley and his Philharmonic or-
chestra.
WLIT, Philadelphia, Pa. (394.5m-760kc), 12:02 p. m.,
Stanley theater organ recital; Arcadia cafe concert
orchestra; 2, Arcadia cafe concert orchestra; 4:30,
Alice Wightman, pianist; 7:30, Dream Daddy's bed-
time stories; 8, Short Acro Waves; 9, Stanley theater
hour; 10, Arcadia cafe dance orchestra; 10:30, vaude-
Mrs. K. B. Buchanan.
KSO, Clarinda, Iowa (241.8m-1240kc), 7-7:30 p. m.,
music; 7:30-9:30, old-time music, Parnell.
KTHS, Hot Springs, National Park, Ark. (374.8m-800kc),
9-9:45 p. m., concert, New Arlington Meyer Davis or-
chestra; 9:50-10:50, concert, Rainbow Garden; 10:50-
11, Lon Chassy, violinist; John G. Heyn, pianist; 11-12,
Brick English and his 10-piece orchestra.
KUOA, Fayetteville, Ark. (299.8m-1000kc), 8 p. m.,
special program, Henry Tovey.
KWWG, Brownsville, Tex. (278-1080kc), 6 p. m., Texas
theater orchestra; 8:30, Chamber of Commerce band.
KYW, Chicago, Ill. (536m-560kc), 12:05-1 p. m., noon-
day concert; 1-2, luncheon concert, Congress hotel; 6-7,
dinner music.
WAMD, Minneapolis, Minn. (244m-1230kc), 12 noon,
popular musical program; 5:45 p. m., WAMD Boys'
A. C.; 7:01, Garrick theater symphony orchestra; 7:20,
classical program; 11, Skyrocket frolic, George Osborn
and his orchestra.
WBAP, Ft. Worth, Tex. (475.9m-630kc), 12:05-12:30
p. m., musical program; 6-6:30, dinner music, Chief
dinner hour; 6:40, Billy Van.
WKAF, Milwaukee, Wis. (261m-1150kc), 10-11 p. m.,
Alvin Morris, pianist; Olga Christianson, mezzo-soprano;
Anne Bauman, contralto.
WKRC, Cincinnati, Ohio (325.9m-920kc), 6 p. m., Alvin
Roehr and his Hotel Alms orchestra; 8, popular song
hour; 9, American Legion; 12, frolic; 12:30 a. m.,
Wesley Helvey's Troubadours.
WLS, Chicago, Ill. (344.6m-870kc), 12 m., WLS trio
6, WLS trio; Ralph Emerson, organist.
WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., dinner
concert, Hotel Gibson orchestra; 7:30, theatrical fea-
ture; 8, concert, the Cincinnati Times-Star orchestra,
William Kopp, director; Howard Hafford, tenor.
WMAQ, Chicago, Ill. (447.5m-670kc), 12:20 p. m.,
Junior Association of Commerce; 2, program for shut-
ins; 4:35, pupils, Genn Dillard Gunn School of Music;
5, games for the home, Glenn D. Adams; 6, Chicago
theater organ recital; 6:30, Hotel La Salle orchestra;
6:40, Family Altar league.
WMC, Memphis, Tenn. (499.7m-600kc), 8:45 p. m.,
Cortese ensemble.

WEAF TO INTRODUCE EDWARD JOHNSON AND JOAN RUTH OVER CHAIN

POPULAR CONCERTS INDEX

Saturday, March 13

Eastern 7:30 p. m. Central 6:30 p. m. Mountain 5:30 p. m. Pacific 4:30 p. m.
WFAA.
8 7 6 5
WAMD, WLS.
9 8 7 6
WBBM, WEAF, WENR, WGBS, WLS, WMAQ, WNYC.
10 9 8 7
KFAB, KPRC, WBBM, WEBH, WENR, WGN, WLS, WMBB, WREO.
11 10 9 8
KFVE, KFWB, KNX, KTHS, WBBM, WMBB, WOK, WQJ, WRC.
12 11 10 9
KNX, KOIL, KPO, KPRC, WBBM, WEBH, WLS, WOAW, WOK, WQJ.
1 a. m. 12 m. 11 10
KFWB, WDAF, WBBM, WEBH, WENR, WOK, WQJ, WSAI.
2 1 a. m. 12 m. 11
KNX, WBBM, WEBH, WENR, WQJ.

Sunday, March 14

Eastern 9 p. m. Central 8 p. m. Mountain 7 p. m. Pacific 6 p. m.
WBBM.
10 9 8 7
WBBM, WMBB.
11 10 9 8
WMBB.
12 11 10 9
KNX, KTHS.
1 a. m. 12 m. 11 p. m. 10
KFWB, WBBM.
2 1 a. m. 12 m. 11
KFWB.

Monday, March 15

Eastern 7 p. m. Central 6 p. m. Mountain 5 p. m. Pacific 4 p. m.
WBBM, WFAA, WOAW.
8 7 6 5
WGBS.
9 8 7 6
WCAU, WEAF, WGR, WKRC, WOK.
10 9 8 7
KFAB, WEBH, WGR, WKRC, WMCA, WOAW, WOK, WSOE.
11 10 9 8
KFAB, KFVE, WOK.
12 m. 11 10 9
KLX, KNX, KOIL, WAMD, WEBH, WHO, WOK.
1 a. m. 12 m. 11 10
KFWB, KLX, WAHG, WDAF, WHT, WKRC, WOK.
2 a. m. 1 a. m. 12 m. 11
KFWB.

Tuesday, March 16

Eastern 7 p. m. Central 6 p. m. Mountain 5 p. m. Pacific 4 p. m.
WMCA, WOAW.
8 7 6 5
WBBM, WEAR.
9 8 7 6
WBBM, WEAR, WBZ, WSB.
10 p. m. 9 p. m. 8 p. m. 7 p. m.
WBBM, WEBH, WMMB, WOAW.

Eastern 11 p. m. Central 10 p. m. Mountain 9 p. m. Pacific 8 p. m.
KFVE, KFWB, KNX, WBBM, WHT, WMBB, WOK, WQJ.
12 m. 11 10 9
KNX, KOIL, KPO, WAMD, WBBM, WEBH, WEBH, WKRC, WMC, WOK, WQJ.
1 a. m. 12 m. 11 10
KFWB, KNX, WFAA, WHT, WOAW, WOK, WQJ.
2 1 12 m. 11
KFWB, WQJ.

Wednesday, March 17

Eastern 8 p. m. Central 7 p. m. Mountain 6 p. m. Pacific 5 p. m.
KFNF, WAHG, WEBJ, WEEI, WMCA.
9 8 7 6
WBBM, WEBJ, WGCP, WNYC.
10 9 8 7
KFAB, KPRC, WBBM, WEBH, WGCP, WHO, WMBB.
11 10 9 8
KFAB, KFVE, KGW, KPO, KWSC, KYW, WBBM, WHN, WMBB, WOK, WQJ.
12 m. 11 10 9
KFWA, KFWB, KNX, KYW, WAMD, WEBH, WOK, WQJ, WSAI.
1 a. m. 12 m. 11 10
KNX, KYW, WBBM, WHT, WOK, WQJ.
2 1 a. m. 12 m. 11
KFWB, KNX, WBBM, WOK, WQJ.

Thursday, March 18

Eastern 8 p. m. Central 7 p. m. Mountain 6 p. m. Pacific 5 p. m.
WCAE, WEAF, WJAR, WMC, WOC, WSAI.
9 8 7 6
WBBM, WHAD.
10 9 8 7
KMA, WBBM, WEBH, WEEI, WHAD, WHN, WMBB, WMC, WNYC, WOAW, WSOE.
11 10 9 8
KHJ, KMA, KYW, WBBM, WMBB, WOK, WQJ.
12 m. 11 10 9
KHJ, KTAB, KOIL, WBBM, WDAF, WEBH, WFAA, WKRC, WOC, WOK, WQJ.
1 a. m. 12 m. 11 10
KFWB, KHJ, WHT, WOK, WQJ.
2 1 a. m. 12.m. 11
KNX, WQJ.

Friday, March 19

Eastern 8 p. m. Central 7 p. m. Mountain 6 p. m. Pacific 5 p. m.
WGCP, WJR.
9 8 7 6
WAMD, WBBM, WGR, WLS.
10 9 8 7
KFAB, WBBM, WEBH, WMC, WDAF, WHAD, WMBB, WOAW, WSOE.
11 10 9 8
KFVE, KFWA, KHJ, KLX, KYW, WMBB, WOK, WQJ.
12 m. 11 10 9
KFWB, KHJ, KNX, KOIL, WAMD, WEBH, WMC, WOK, WQJ.
1 a. m. 12 m. 11 10
KFWB, KHJ, WDAF, WHT, WOK, WQJ.
2 1 a. m. 12 m. 11
KNX, WQJ.

Monday, March 15

Headliners Today

Eastern 7:45 p. m. Central 6:45 p. m. Mountain 5:45 p. m. Pacific 4:45 p. m.
WGY (379.5m-790kc) Severino mandolin quintet.
8:15 7:15 6:15 5:15
WGY (379.5m-790kc) "A Step On the Stairs," mystery play.
WEMC (285.5m-1050kc) Lighthouse Music Makers.
8:30 7:30 6:30 5:30
WBAP (475.9m-630kc) R. O. T. C. band.
WGR (319m-940kc) Imhof trio.
9 8 7 6
WBZ (333.1m-900kc) Shriners' band.
WCAU (277.6m-1080kc) Merry Minstrels.
WHAZ (379.5m-790kc) St. Patrick's concert.
WSB (428.3m-700kc) Camp Fire Girls.
9:30 8:30 7:30 6:30
KFAB (340.7m-880kc) Old Tune night.
KPRC (296.9m-1010kc) Edna Adams.
WCAL (336.9m-890kc) Viking quartet.
10:15 9:15 8:15 7:15
WPG (299.8m-1000kc) Galen Hall trio.
10:30 9:30 8:30 7:30
WTIC (475.9m-630kc) Travelers' symphonic ensemble.
12 11 10 9
KFI (467m-640kc) Misha Gegnu orchestra.

Monday, silent night for: CNRA, CNRC, CNRE, CNRM, CNRO, CNRR, CNRT, CNRV, CNRW, KFAU, KFDM, KFEQ, KFMX, KFWA, KHJ, KLDS, KUOA, KYW, WBBM, WBCN, WCAD, WCBD, WEAO, WEBH, WEBJ, WEBW, WENR, WGBS, WGES, WGN, WHAS, WHT, WIBO, WIP, WJAZ, WJJD, WKAQ, WLIB, WLS, WMAQ, WMBB, WOAI, WOC, WOK, WORD, WQJ, WRC, WREO.

Eastern Time Stations

CKNC, Toronto, Can. (356.9m-840kc), 8-10 p. m., Little Symphony orchestra; Arthur VanderVoort, bass; Hazel Hall-VanderVoort, soprano; Charles Shearer, baritone.
KDKA, Pittsburgh, Pa. (309.1m-970kc), 12:30 p. m., Trinity church lenten service; 6:30, dinner concert; 9, Ruud light opera.
WAHG, Richmond Hill, N. Y. (315.6m-950kc), 12 noon, lenten services; 12:15 p. m., Grebe matinee trio; 7:45, Walter Iooas, novelty pianist; 8, Synchrophase hour; 9:15, William Helfenstein, baritone; 9:30, Sidney Raphael, pianist; 9:45, William Helfenstein, baritone; 10, Trainmen's trio; 10:30, Joe Zimmerman's orchestra; 12, Queens Melody Boys.
WBAL, Baltimore, Md. (246m-1220kc), 6:30-7:30 p. m., dinner program; WBAL orchestra; 7:30-8, Frederick D. Weaver, organist; 8-9, musical program, Emma Slagle, soprano soloist; Elmer Burgess, pianist; 9:10-10, musical program; George Kelly, contralto; Clarence Hihn, tenor; Clyde McKay, baritone.
WBBR, New York, N. Y. (272.6m-1100kc), 8 p. m., Irene Kleinpeter, soprano; Fred Franz, tenor.
WBZ, Springfield, Mass. (333.1m-900kc), 8:30 p. m., Hotel Kimball dance orchestra; 7:30, organ recital, Rene Dagenais; 8, Capitol theater orchestra; 8:30, Walter Francis Vreeland and Irene Cooper, banjo, uke and guitar selections; 9, Aleppo Drum Corps or Shriners' band; 9:50, organ recital; 10:05, government interference tests; 10:15, Movie club, vaudeville attractions.
WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert, William Penn hotel; 7:30, Sunshine Girl; 8, studio concert; 9, concert; 10, grand opera; 11, Ralph Harrison's Midnight Sons.
WCAP, Washington, D. C. (468.5m-640kc), 7-11 p. m., WEAF.
WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., dinner program, Goldkette ensemble, 8-9, program.

WEAF, New York, N. Y. (491.5m-610kc), 5-6 p. m., Vincent Lopez's orchestra; 6-7, dinner music, Waldorf-Astoria hotel; 7:30, Lullaby Lady; 8, popular concert; 9, A. and P. Gypsies, WEEI, WJAR, WOO, WCAP, WCAE, WWJ; 10, WEAF grand opera, "The Bohemian Girl," WOO, WCAP, WJAR, WTAG, WCAE; 11-12, Ben Bernie and Hotel Roosevelt orchestra.
WEAR, Cleveland, Ohio (389.4m-770kc), 7 p. m., Allen theater orchestra.
WEEI, Boston, Mass. (348.6m-860kc), 6:45 a. m., Tower Health; 12:15, Lenten services, B. F. Keith's theater; 5 p. m., Rainbow Ramblers; 6:13, Joe Rines and his Hunter's Cabin orchestra; 7:30, Black Iron Shiners; 8:15, Central Automobile Tire company, program; 8:45, WEAF; 9, WEAF; 10, Scotty Holmes and his orchestra; Imperial Marimba band.
WFI, Philadelphia, Pa. (394.5m-760kc), 1 p. m., Tea Room ensemble; 3, Lester Druckermiller, violinist, Hazel Loughlin, pianist; Catharine M. Daley, contralto; 6:30, Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra.
WGBS, New York, N. Y. (315.6m-950kc), 1:35 p. m., Monica Irwin, soprano; 1:50, Manhattan string trio; 3:10, Marguerite Stearns, soprano; 3:30, Marguerite Stearns, soprano; 3:10, League of Women Voters' program; 3:50, Marguerite Stearns, soprano; 6, Uncle Geebee; 6:30, Little Bear Balalaika orchestra.
WGCP, New York, N. Y. (252m-1190kc), 3 p. m., program; 4:15, Uncle Robert's pals; 8:30, Strickland's orchestra; 9:30, program; 10, Strickland's orchestra; 10:30, China Royal Restaurant music.
WGHB, Clearwater, Fla. (266m-1130kc), 6:30-7:30 p. m., dinner music, Lakewood terrace orchestra; 8:30-10, Sebring Florida program; 11:30-1, midnight ramble.
WGHP, Detroit, Mich. (270m-1110kc), 6-7 p. m., dinner concert, Hotel Tuller; 8-10, Little Symphony orchestra; John Wummer, flute; Victor Polant, violinist; Florian Wittman, viola; T. Stanley Perry, tenor; Leona E. Mitchell, soprano; 12-1 a. m., Gerald Marks and his orchestra.
WGR, Buffalo, N. Y. (319m-940kc), 2:30 p. m., WGR's afternoon program; 6:30, Charleston Shufflers orchestra; 8, vocal program featuring W. Frederick Root; 8:30, Imhof trio; 9, popular program, Wheat's Ice Cream division of the General Ice Cream company; 10, popular program, Buffalo Arts club; 11, Vincent Lopez Hotel Statler dance orchestra, Harold Gleser, director; John F. Gunderman, Jr., at the organ.
WGY, Schenectady, N. Y. (379.5m-790kc), 2 p. m., Asia Restaurant; 6:30, Porter E. Potts Hotel Van Curler orchestra; 7:45, Severino Mandolin quintet; Emeline Bates, soprano.
WHAR, Atlantic City, N. J. (275m-1090kc), 3 p. m., Seaside hotel trio; 8, Seaside hotel trio; 11, Follies Bergere dance orchestra.
WHAZ, Troy, N. Y. (379.5m-790kc), 9 p. m., St. Patrick's concert; 10:30, dance orchestra.
WHN, New York, N. Y. (361.2m-830kc), 6 p. m., people's hour; 7, Twin Oaks orchestra; 7:30, Joe Ward's Swanee entertainers; 8:05, Roseland dance orchestra; 10:30, Creole Follies; 11, Cotton club orchestra; 11:30, Silver Slipper orchestra; 12, Van and Schenck from the Parody club.
WIP, Philadelphia, Pa., (508.2m-590kc), 1 p. m., Gimbel tea room orchestra; 3, artist recital, Philadelphia Conservatory of Music, Anna Speck, soprano; Flora Ripka, pianist, 6:05, Benjamin Franklin concert orchestra; 6, Uncle Wip's bedtime stories; dancing lessons, Miller Conservatory of Dancing.
WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Jean Goldkette's symphony orchestra; soloists; 11:30, "The Merry Old Chief."
WJZ, New York, N. Y. (454.3m-660kc), 7:55 p. m., John B. Kennedy, 8, R. Fisher and company's Astor coffee orchestra; 9, Henry Hadley and his Philharmonic orchestra.
WLIT, Philadelphia, Pa. (394.5m-760kc), 12:02 p. m., Stanley theater organ recital; Arcadia cafe concert orchestra; 2, Arcadia cafe concert orchestra; 4:30, Alice Wightman, pianist; 7:30, Dream Daddy's bedtime stories; 8, Short A to Waves; 9, Stanley theater hour; 10, Arcadia cafe dance orchestra; 10:30, vaudeville features, Knickerbocker theater; 10:45, El Patio dance orchestra.
WLWL, New York, N. Y. (288.3m-1040kc), 9:15 p. m., songs; 10, musicale; 10:15, study club; 10:30, entertainment.
WMAK, Buffalo, N. Y. (266m-1130kc), 7:30-8:30 p. m., Murray Whiteman and his serenaders; 8:30-9, musical program; 9-10, musical program; 10-11, musicale.
WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Olcott Vail and his Hotel McAlpin string ensemble; 6:30, Ernie Golden and his Hotel McAlpin orchestra; 7:30, Kurtz Karnival Kings; 8, Terminal music hour; 10:15, McAlpin news editor; 10:30, Parody club orchestra; 10:15, Van and Schenck; 11:30, Jack Denny's orchestra; 12, McAlpin entertainers.
WNYC, New York, N. Y. (526m-570kc), 6:20 p. m., piano selections; 7:35, piano selections; 8, concert program; 9:20, song recitals; 10, Richmond Versatile orchestra; 10:35, Richmond Versatile orchestra.
WOO, Philadelphia, Pa. (508.2m-590kc), 11 a. m., organ recital; 12:02 p. m., Golden crystal tea room orchestra; 1:15, organ recital; 7:30, Ritz Carlton concert orchestra; 8, pop' concert; 9, WEAF; 10, WEAF; 11, Adelphia hotel dance orchestra.
WOR, Newark, N. J. (405.2m-740kc), 2:30-2:45 p. m., Oreste's Queensland orchestra; 6:30-7:15, Jacques Jacobs' Hotel Shelton ensemble; 7:30-7:45, Zit's Central Park Casino orchestra; 8:30-9:30, Al Reid's hour; 11-12, Hofbrau Haus orchestra.
WPG, Atlantic City, N. Y. (299.8m-1000kc), 4:45 p. m., Chalfonte-Haddon hall tea music; 6:45, organ recital, Arthur Scott Brook; 7, Hotel Morton dinner music; 7:30, Union National Bank Silver sextet; 9, Hotel Ambassador concert orchestra; 10, vocal recital; Harry Kaufman, baritone; 10:15, Galen hall trio; Phyllis Herbine, violinist; Adino Barozzi, cellist; Vera Chadsey, pianist; 11, Silver Slipper supper club; Eddie McKnight's dance orchestra.
WRC, Washington, D. C. (468.5m-640kc), 12:30 p. m., Lenten services; 1, Shoreham hotel orchestra; 4:30, musical program.
WTAG, Worcester, Mass. (268m-1120kc), 10:30 a. m., musical selections; 12:05-2, noonday luncheon music; 6-7, dinner music; 7:15, Twilight Scouts; 8:30-9, "Broad and Long;" 9-10, Robin Hood hour of music; 10-11, WEAF.
WTIC, Hartford, Conn. (475.9m-630kc), 11:25 a. m., Beatrice Torgan, violinist; 12:05-1 p. m., Travelers' club orchestra; 6:50, Hub trio; 9, Craig Sisters; 9:30, Emil Heimberger's Hotel Bond dance orchestra; 10:30-12, Travelers' symphonic ensemble.
WWJ, Detroit, Mich. (352.7m-850kc), 12:05 p. m., Jules Klein's Hotel Statler orchestra; 3, Detroit News orchestra; 6, dinner concert; 8, Detroit News orchestra; 9, A. and P. Gypsies.

Central Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., dinner concert; 8:30-10:30, Belshaw's orchestra; Harmony boys and Cowbell boys.
KFKU, Lawrence, Kan. (275m-1090kc), 7:15 p. m., Clifton E. Mott, pianist; K. U. string trio.
KFRU, Columbia, Mo. (499.7m-600kc), 6:15 p. m., dinner music.
KFUO, St. Louis, Mo. (545.1m-550kc), 8 p. m., musical program, Bass Clef quartet.
KMA, Shenandoah, Iowa (252m-1190kc), 6-7 a. m., vocal solos, Jack Todd; 11:30-12:30, travelogue; G. H. Van Houten, musical saw; 6-7 p. m., popular music, 9-11 Farnham trio; Grady and Doc.
KMOX, St. Louis, Mo. (280.2m-1070kc), 12:30 p. m., Arthur L. Utt, organist; 4, String ensemble music, soloists; 6, Arthur L. Utt, organist; 6:30, Mrs. Jacques Landree, organist; Mrs. Frank Howard, vocalist; 7, orchestra, "Buster Brown"; quartet; Mary Jane; 8, orchestra; Collinsville Ukulele club; 9, orchestra; Collinsville High school glee club; 10, orchestra; 10:30, orchestra; A. W. Snyder, popular numbers on accordion.
KPRC, Houston, Texas (296.9m-1010kc), 7:30 p. m., Malon Gunn's dance orchestra; 8:30, Edna Adams; Mrs. E. E. Sawyer, pianist; 9:30, Skyline studios.
KSD, St. Louis, Mo. (545.1m-550kc), 9 p. m., program, Mrs. K. B. Buchanan.
KSO, Clarinda, Iowa (241.8m-1240kc), 7-7:30 p. m., music; 7:30-9:30, old-time music, Parnell.
KTHS, Hot Springs, National Park, Ark. (374.8m-800kc), 9-9:15 p. m., concert, New Arlington Meyer [illegible] orchestra; 9:30-10:30, concert, Rainbow Garden; 10:30-11, Lon Chassy, violinist, John G. Heyn, pianist; 11-12, Brick English and his 10-piece orchestra.
KUOA, Fayetteville, Ark. (299.8m-1000kc), 8 p. m., special program, Henry Tovey.
KWWG, Brownsville, Tex. (278-1080kc), 8 p. m., Texas theater orchestra; 8:30, Chamber of Commerce band.
KYW, Chicago, Ill. (536m-560kc), 12:05-1 p. m., midday concert; 1-2, luncheon concert, Congress hotel; 6-7, dinner music.
WAMD, Minneapolis, Minn. (244m-1230kc), 12 noon, popular musical program; 5:45 p. m., WAMD Boys' A. C.; 7:01, Garrick theater symphony orchestra; 7:20, classical program; 11, Saxroaket frolic, George Osborn and his orchestra.
WBAP, Ft. Worth, Tex. (475.9m-630kc), 12:05-12:30 p. m., musical program; 6-6:30, dinner music, Chief Gonzales Texas hotel orchestra; 7:30-8:30, R. O. T. C. band; 9:30-11, Ward's "Trail Blazers"; varied entertainment.
WBBM, Chicago, Ill. (226m-1330kc), 4-6 p. m., Harry Sosnik; Sandy Meek; Irene Beasley, Jack Pennewell and Freddy Palmiter; Court Banks; Joe McManus; Edna Wheeler Ballard, harpist; 6-7, Beulah Mowers, concert pianist; Two Jays; Charlie Garland; Barber-Shop Three; Floyd Falch; Fair and Warmer, pianists; Dave Handler, violinist.
WCAL, Northfield, Minn. (336.9m-890kc), 8:30 p. m., Viking quartet; WCAL orchestra; Charles Johnson, reader.
WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 12 noon, noon concert, Donaldson's orchestra; 2:30, afternoon concert; 4, Reader's club; 6:30, dinner concert, Gordon Cooke ensemble; 8, University of Minnesota program; 9, classical program.
WDAF, Kansas City, Mo. (365.6m-820kc), 11:45-1 a. m., Ted Weems' Victor Recording orchestra; Ben Bernie's orchestra; Ted Meyn, organist.
WEMC, Berrien Springs, Mich. (285.5m-1050kc), 8:15 p. m., Radio Lighthouse Music Makers; varied selections.
WFAA, Dallas, Texas (475.9m-630kc) 12:30-1 p. m., Edmund F. Bottcher, tenor; Viola Cassidy, pianist; 4:30-5, Cyrus Barcus, cornetist; 6:30-7:30, Honey Boys orchestra; 8:30-9:30, agricultural program.
WGES, Oak Park, Ill. (250m-1200kc), Coyne serenaders.
WGN, Chicago, Ill. (302.8m-990kc), 12:40-2:30 p. m., concert, Drake concert ensemble; Blackstone string quintet; 2:30-3, Lyon and Healy artists; 3:30-4:15, tea time music, Marshall Field's tea room orchestra; 4:30-5, organ recital, Edward Benedict.
WGST, Atlanta, Ga. (270m-1110kc), 9-10 p. m., program, Pi Kappa Alpha fraternity.
WHAD, Milwaukee, Wis. (275m-1090kc), 6:15-7 p. m., Bill Benning's Milwaukee Athletic club orchestra; 8:30-10, Wisconsin theater revue; dance music, talent.
WHAS, Louisville, Ky. (399.8m-750kc), 1-2 p. m., concert, Royal Peacock orchestra; 3:30-4, special music; 4-5, concert; Irene Rigsby, soprano solos, accompanied by Thelma Day.
WHB, Kansas City, Mo. (365.6m-820kc), 2-3 p. m., Sweeney instrumental trio; 7-8, popular musical program, Sweeney orchestra; Glenn Durrell, pianist; Palmer Lowry, saxophonist; Kam Wallace, saxophonist; Glenn Francis, trumpet soloist; Jack Gallett, trombonist; Don Van Horn, sousaphonist; O. M. Smith, banjoist.
WHO, Des Moines, Iowa (526m-570kc), 7:30-9 p. m., Prof. Paul Stoye, pianist and composer; Prof. Joseph Gifford, reader; Mrs. Robert Evans, soprano; Mrs. Stewart Witmer, pianist; 11-12, dance programs.
WHT, Chicago, Ill. (399.8m-750kc), 12 m., Al Carney complimentary organ recital; 6, Pat Barnes and Al Carney.
WJJD, Mooseheart, Ill. (370.2m-810kc), 12-1 p. m., Palmer House symphony players; Palmer House trio, 2-3, Howard L. Peterson, organist; 4-5, children; 5:30, dinner hour; 6:10, Billy Van.
WKAF, Milwaukee, Wis. (261m-1150kc), 10-11 p. m., Alvin Morris, pianist; Olga Christiansen, mezzo-soprano; Anne Bauman, contralto.
WKRC, Cincinnati, Ohio (325.9m-920kc), 6 p. m., Alvin Roehr and his Hotel Alms orchestra; 8, popular song hour; 9, American Legion; 12, frolic; 12:30 a. m., Wesley Helvey's Troubadours.
WLS, Chicago, Ill. (344.6m-870kc), 12 m., WLS trio; 6, WLS trio; Ralph Emerson, organist.
WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., dinner concert, Hotel Gibson orchestra; 7:30, theatrical features; 8, concert, the Cincinnati Three-Star orchestra, William Kopp director, Howard Hafford, tenor.
WMAQ, Chicago, Ill. (447.5m-670kc), 12:20 p. m., Junior Association of Commerce; 2, program for shut-ins; 4:35, pupils, Genn Dillard Gunn School of Music; 5, games for the home, Glenn D. Adams; 6, Chicago theater organ recital; 6:30, Hotel La Salle orchestra; 6:40, Family Altar league.
WMC, Memphis, Tenn. (499.7m-600kc), 8:45 p. m., Cortese ensemble.

DANCING

Central Time

Saturday, March 13: 8, Wjr, Wopr, Wpg; 8:30, Wfaa; 8:35, Wgy; 9, Webb, Weaf, Wmbb, Wnyc, Wrc; 9:10, Kths, Wip; 9:30, Kths, Wgbs, Wor, Wrc; 10, Kfve, Kfwa, Koil, Kpo, Weaf, Wgn, Wjr, Whn, Wmca, Wnyc, Woc, Wql, Wreo, Wtam; 10:05, Wcco; 10:30, Wamd; 10:45, Wls; 11, Kpo, Kfwa, Kfwb, Kpo, Webb, Wfaa, Wgbu, Whn, Woc; 11:30, Kfoa; 11:45, Wdaf; 12, Kfwa, Kpo, Kpo, Knx, Wgbu, Wjjd.

Monday, March 15: 8, Wgcp; 9, Weel, Wgbu, Wjar, Wor; 9:15, Wahg; 10, Kths, Wgbu, Wgcp, Wgr, Wahg, Wgp; 10:15, Wor; 10:[illegible] Kths, Wgcp, Whn; 11, Kgo, Koil, Wgbu, Wgp, Wht, Whn, Who; 11:45, Wdaf; 12, Knx, Kpo.

Tuesday, March 16: 9, Webb, Wgbu, Wmbb; 9:30, Weaf, Wgbs, Wgy, Wip; 9:[illegible], Wnyc; 10, Kfve, [illegible] Weaf, Webb, W[illegible], Wgn, Whn, Wmca, W[illegible] Wog; 10:15, Kths; 10:[illegible] Kths, Whn; 10:45, W[illegible] 11, Kgw, Koil, Webb, Whn; 11:30, Kfoa; 11:[illegible] Wdaf; 12, Kgw, Khj, Knx, Kpo, Wdaf; 1, Wjj.

Wednesday, March 17: 9, Wcx, Webb, Wgbu, Wgcp, Who, Who, Wmbb, Wmca, Wtic; 9:15, Wahg; 9:30, Wbap, Who, Wor; 10, Kfve, Wbap, Weaf, Wgbu, Wgcp, Wqj, [illegible], Wcco; 10:30, Wbbm, Whn; 11, Koil, Kpo, Webb, Wgbu, Wgcp, Wgn, Whn; 11:45, Wdaf; 12, Kfwa, Knx, Kpo, Wjjd.

Thursday, March 18: 8, Wjr; [illegible] Webb, Weel, Wgbu, [illegible] Wjr, Wmbb, Wlag; 9:05, Wbz, Wip; 9:30, Webb, Wgy, Whas; 9:35, Wnyc; 10, Kths, Wh[illegible] Weaf, Wgbu, Wlag, Wgca, Wpg, Wqj; 10:[illegible] Kths, Whn, Webb, Wgn, Woc; 11:45, [illegible] 12, Kgo, Khj, Knx, Kpo, Wjjd.

Friday, March 19: 9, Wcx, Webb, Wwj; Weel, Wgcp, Wmbb; 9:15, Whaz; 9:30, Weau, Wnyc, Kfve, Kpo, Kths, Wcco, Whn, Wgy; 11:45, Wcco; 10:[illegible] Whn; 11, Kfwa, Knx, Kpo.

WOAW, Omaha, Nebr. (526m-570kc), 6:20 p. m., Frank Peterson, tenor; Helen Higgins, pianist; 6:50, Randall's Royal Fontenelle orchestra; 9, classical.
WOC, Davenport, Iowa (483.6m-620kc), 5:45-6 p. m., chimes concert.
WOI, Ames, Ia. (270m-1110kc), 12:30 p. m., college chimes; 8:10, musical program, State College girls' glee club.
WOS, Jefferson City, Mo. (440.9m-680kc), 10 p. m., community program.
WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., program, Camp Fire Girls; 10:45, Vic Myers' orchestra.
WSM, Nashville, Tenn. (282.8m-1060kc), 6:30 p. m., concert, Francis Craig's orchestra; 8, Mrs. L. Gamble, soprano, and artists; 10, Vito Pellettieri and his orchestra.
WSUI, Iowa City, Iowa (483.6m-620kc), 9 p. m., American Legion.

Mountain Time Stations

CFAC, Calgary, Canada (435.8m-688kc), 9 p. m., ladies concert trio.
KFWA, Ogden, Utah (261m-1150kc), 4-5 p. m., organ recital, Paramount theater; 5-6, Radio dealers program.
KFXF, Colorado Springs, Colo. (250m-1200kc), 8:30 p. m., Mrs. Henry L. Newman, Jr., contralto; Temple quartet.
KOA, Denver, Colo. (322.4m-930kc), 12:15 p. m., Rialto theater organ recital, Marjorie Nash; 6:30, dinner concert, Brown Palace string orchestra; 8:30, miscellaneous music; 9:30, miscellaneous music; 9:40, Radio mystery serial, "A Step on the Stairs."
KUOM, Missoula, Montana (244m-1230kc), 8 p. m., music.

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-640kc), 5:30-6 p. m., Owen Fallon's Californians; 6, nightly doings; 6:15, travel guide; 6:30, vest pocket program; 6:45, Radiotorial period; 7-8, old-time New England barn dance; 8-9, Packard Eight dance orchestra; 9-10, program, Walter M. Murphy Motors company, Misha Gegna orchestra; 10-11, program, Meiklejohn Brothers.
KFOA, Seattle, Wash. (454.3m-660kc), 12:30-1:30 p. m., luncheon program; 7-8:15, Sherman Clay and company studio program; 8:30-10, Times studio program.
KFON, Long Beach, Calif. (232.4m-1280kc), 6-6:30 p. m., Brayton's theater organ; 6:30-7, amusement information; 7-8, investor's hour, with music; 8-9, Press-Telegram studio; 9-11, KFON studio program.
KFWB, Hollywood, Calif. (252m-1190kc), 6-7 p. m., dinner music, Fitzgerald Music company; 7:30-8, program, Dr. Ralph Mitchell and associated dentists; Friendly Dentists' orchestra; 8-9, Bill Hatch's Oakmont Country club orchestra; 9-10, program, Star Motor Car company, Million-Dollar Four orchestra; Tom Brenneman, baritone; Sol Hoopii's Hawaiians; 10-11, Warner Brothers' frolic.
KGO, Oakland, Calif. (361.2m-830kc), 11:30-1 p. m., luncheon concert; 6-6:55, Brokaw and orchestra; 8:50, slumber song; 9:30, Arion trio.
KGW, Portland, Ore. (491.5m-610kc), 12:30-1:30 p. m., the First National bank and the Security Savings and Trust company; 6-7, dinner concert, Olds, Wortman and King company; 8-9, concert, vocal and instrumental; 9-10, concert, vocal and instrumental, Henry Jenning and Sons.
KJR, Seattle, Wash. (389.4m-780kc), 7-8 p. m., Sears Roebuck and company studio program, Mendelssohn trio; 8:30-10, Post Intelligencer studio program.
KLX, Oakland, Calif. (508.2m-590kc), 6:30-7 p. m., Athens Athletic club orchestra; 8-9, program; 9-10:30, Lake Merritt Ducks.
KMTR, Hollywood, Calif. (238m-1260kc), 7:15 p. m., Y. M. C. A. musical program; 8-10, KMTR concert orchestra, Loren Powell, director; 10-11, Starr Piano company studio.
KNX, Hollywood, Calif. (336.9m-890kc), 5:30 p. m., Leighton's cafeteria orchestra; 6:30-7, Atwater Kent orchestra; 7-7:30, Mutual Motors mirth contest; 7:30-8, program, Overell's Furniture company; 8-9, program, L. W. Stockwell company; 9-10, KNX feature program; 10-11, Goodrich Silvertown Cord dance orchestra; 11-12, Ray West's Cocoanut Grove dance orchestra from Ambassador hotel.
KOAC, Corvallis, Ore. (280.2m-1070kc), 6:30 p. m., musical selections.
KOWW, Walla Walla, Wash. (256m-1170kc), 8-10 p. m., program, Bob Fletcher and family of Cowboy and Cowgirl entertainers; 10-12, dance music.
KTAB, Oakland, Calif. (240m-1250kc), 9-9:30 a. m., prayer service; 12-1, luncheon concert; 8-10, program.
KWSC, Pullman, Wash. (348.6m-860kc), 7:30 p. m., Louise Kelsey, piano soloist; special numbers, Marimba trio; Mrs. Margarita Benoke Benner, vocal soloist.

The mammoth organ recently installed in the concert hall of the Peabody Conservatory of Music at Baltimore, by the munificent bequest of the late James Leakin may now be enjoyed by fans through WBAL. Frederick D. Weaver, sitting at the keyboard of this beautiful instrument, has been chosen official organist. A welcome visitor at WOC, Davenport, is Charlotte Warren Anderson, left. Her soprano voice has graced many programs at this station. The Atwater Kent program this Sunday will be given by two great artists, Edward Johnson, right, and Joan Ruth. This program may be heard over the WEAF chain.

Tuesday, March 16

Headliners Today

Eastern 7:30 p. m. Central 6:30 p. m. Mountain 5:30 p. m. Pacific 4:30 p. m.
WRC (468.5m-640kc) U. S. Marine band.
8 7 6 5
WGHP (370m-1110kc) Funsters.
8:20 7:20 6:20 5:20
WIP (508.2m-590kc) "Vision," lenten drama.

Eastern 8:30 p. m. Central 7:30 p. m. Mountain 6:30 p. m. Pacific 5:30 p. m.
WHAS (399.8m-750kc) Zoeller's Melodists.
WHO (526m-570kc) Herring Motor band.
WHB (365.6m-820kc) Violin choir.
11 10 9 8
KGO (361.2m-830kc) Mishel Piastro.
KPO (428.3m-700kc) Aeolian trio.
11:05 10:05 9:05 8:05
WCCO (416.4m-720kc) "A Step On the Stairs," drama.

Tuesday, silent night for: CFCA, CHIC, CKNC, CKY, CNRC, CNRE, CNRM, CNRO, CNRW, CNRT, KFKX, KFKU, KUOA, KFUO, KFWA, KYX, KOA, KOAC, KOB, KOWW, KUOM, KWSC, WABQ, WAHG, WAMD, WBBR, WCAD, WCAL, WCAP, WEMC, WGCP, WGST, WHAD, WHAZ, WJAD, WJAZ, WKAF, WKAQ, WLWL, WOI, WOS, WRVA, WSMB, WSUI, WTAM, WTIC.

Eastern Time Stations

CNRA, Moncton, Can. (291.1m-1030kc), 7 p. m., Juvenile program; 8, CNRA orchestra, mixed quartet.
KDKA, Pittsburgh, Pa. (309.1m-970kc), 12:20 p. m., Trinity church lenten service; 6:30, dinner concert; 8:30, sacred songs; 9, musical lenten program; 11:35, concert, Grand theater.
WAHG, Richmond Hill, N. Y. (315.6m-950kc), 12 noon, midday lenten services; 12:35 p. m., studio program.
WBAL, Baltimore, Md. (246m-1220kc), 6:30-7:30 p. m., dinner program; WBAL dinner orchestra; 7:30-8, WBAL quartet; 8-9, musical program; Abraham Robofsky, violinist; George Bolek, pianist; James Wilkinson, baritone; 9-10, WBAL string trio; Philip Jeffreys, pianist.
WBZ, Springfield, Mass. (333.1m-900kc), 6:30 p. m., Hotel Lenox ensemble; 8, professional hockey game, Boston Bruins vs. Montreal.
WCAE, Pittsburgh, Pa. (461.3m-650kc), 4:30 p. m., Sunshine Girl; 6:30, dinner concert, William Penn hotel; 8, WEAF; 8:30, WEAF; 9, WEAF; 10, moment's musicale; 11, Kenyon theater.
WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30, Snellenburg instrumental trio; 8:10, the Three Brothers; 8:25, theater digest, Abe Lischutz; 8:35, playlet; 9, Robert Frazer, blind Gospel singer, Elizabeth Holtz, pianist; 9:30, the Sea Gulls; 10, Sam Gold, the murmuring baritone; 10:30, Cathay Tea Gardens dance orchestra.
WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., dinner program, Goldkette ensemble; 10-2 a. m., Red Apple club.
WEAF, New York, N. Y. (491.5m-610kc), 4 p. m., "Conserving Nature," Katherine Dolbaer; 4:10, Osborne Sisters, vocal duets; 5, Vincent Lopez and tea room orchestra; 6, dinner music, Hotel Waldorf-Astoria; 7, Vivian Sherwood, contralto; 7:30, American composers' program; 8, Blue Ribbon male quartet, WEEI, WFI, KSD, WCAE, WWJ, WGR, WCCO, WOC; 8:30, Gold Dust Twins, WEEI, WFI, WCAE, WGR, WWJ, WOC, WJAR, WCCO, WLIB, WEAR, KSD; 9, Eveready hour, WEEI, WFI, WCAE, WGR, WWJ, WOC, KSD, WJAR, WCCO, WTAG, WGN, WEAR, WSAI; 10, Radio auction bridge game, WEEI, WFI, WGR, WCCO, WSAI, WOC, WWJ; 10:30, Vincent Lopez and his orchestra, WEEI, WFI, WWJ, WGR, KSD, WCAE, WEAR, WTAG; 11-12, Ross Gorman and his orchestra.
WEAO, Columbus, Ohio (293.9m-1020kc), 7 p. m., chimes, Allan McManigal; 7:45, music.

FARMERS' PROGRAMS INDEX

Farmer Dinner Concerts

Daily Except Sunday

CENTRAL TIME
KFNF, 12:15-1:35 p. m.
KMA, 11:30-12:30
KSO, 12:30-1:30 p. m.
WLS, 12 noon.

Saturday, March 13

Eastern 1 p. m. Central 12 noon Mountain 11 a. m. Pacific 10 a. m.
KPRC (296.9m-1010kc) Farmers' educational and musical program.
1:45 12:45 p. m. 11:45 10:45
WOI (270m-1110kc) Soils, questions and answers.
8 7 6 p. m. 5 p. m.
KDKA (309.1m-970kc) Farm program.
9:05 8:05 7:05 6:05
KFAB (340.7m-880kc) "Cost of Producing Corn in Nebraska," A. Medlar.
9:30 8:30 7:30 6:30
KFAU (280.2m-1070kc) Agricultural talk, question box.

Sunday, March 14

Eastern 3:30 p. m. Central 2:30 p. m. Mountain 1:30 p. m. Pacific 12:30 p. m.
WFAA (475.9m-630kc) Sunday hour for farmers.

Monday, March 15

Eastern 12 noon Central 11 a. m. Mountain 10 a. m. Pacific 9 a. m.
WRC (468.5m-640kc) Fifty Farm flashes.
1:15 p. m. 12:15 p. m. 11:15 10:15
WOC (483.6m-620kc) "Saving a Maximum of New Born Pigs," John Evvard.
WEAO (293.9m-1020kc) Timely Economic Information for the Farmer, C. J. West.
1:35 12:35 11:35 10:35
KSAC (340.7m-880kc) "Fruit Varieties to Plant in Kansas," L. Williams. "Pastures," R. Kiser.
1:45 12:45 11:45 10:45
WOI (270m-1110kc) "Suggestions for Conditioning Work Animals," Dr. H. Bemis.
WMAQ (447.5m-670kc) Radio farm school.
7 6 5 p. m. 4 p. m.
WGY (379.5m-790kc) Agricultural program.
7:45 6:45 5:45 4:45
WSOE (246m-1220kc) Hog Raising.
8:15 7:15 6:15 5:15
KSAC (340.7m-880kc) "Feeding the Ewe Flock," H. Reed. "Pulling Through the First Three Weeks," H. Steup.
8:30 7:30 6:30 5:30
KUOA (299.8m-1000kc) "Farm Filosofy," Cy Adams. "Sheep for Arkansas," M. Alexander. "Dairying in the Delta," E. Dargan. "Silage," W. Woodley. "Poultry Development in Grant County," W. Vinzant.
KOB (348.6m-860kc) "Care of the Sow at Farrowing Time," W. Dickson. "Incubation," L. Berry.
8:45 7:45 6:45 5:45
WCCO (416.4m-720kc) Farm lecture.
WOI (270m-1110kc) "Pruning Grape Vines," B. Pickett.
WTIC (475.9m-630kc) "Growing Healthy Chicks," Ben Southwick.
9:05 8:05 7:05 6:05
KFAB (340.7m-880kc) "Seed Corn," P. Stewart. "The Spray Program," F. Coe.
10 9 8 7
KOAC (280.2m-1070kc) Agricultural question box. "Brooder Management," A. Lunn.
10:30 9:30 8:30 7:30
KOAC (280.2m-1070kc) "Keeping the Work Horse's Shoulders in Good Condition," B. Rodenwold.
KWSC (348.6m-860kc) "Influence of Rearing on Egg Production," W. Buchanan. "Contribution of Science to the Dairy Industry." "The Relation of Bacteriology to Clean Milk," E. Ellington.
10:45 9:45 8:45 7:45
KOAC (280.2m-1070kc) "Oregon's Agricultural Situation," R. S. Besse.
11:05 10:05 9:05 8:05
KGO (361.2m-830kc) Farm program.

Tuesday, March 16

Eastern 11:30 a. m. Central 10:30 a. m. Mountain 9:30 a. m. Pacific 8:30 a. m.
KFAB (340.7m-880kc) "Management of Growing Stock," F. Mussehl.
12 noon [illegible] 10 9
WRC (468.5m-640kc) Fifty Farm flashes.
1:15 p. m. 12:15 p.m 11:15 10:15
WOC (483.6m-620kc) "The Answer to Some of Your Poultry Programs," A. Philips.
1:35 12:35 11:35 10:35
KSAC (340.7m-880kc) "Minerals for Animals," J. Lumb.
1:45 12:45 11:45 10:45
WMAQ (447.5m-670kc) Radio farm school.
WOI (270m-1110kc) "Animal Husbandry," H. H. Kildee.
7:15 6:15 5:15 p. m. 4:15 p. m.
WKAR (285.5m-1050kc) "Poultry Diseases," W. Mallmann.
7:30 6:30 5:30 4:30
WKAR (285.5m-1050kc) "The Influence of Sunshine and Cod Liver Oil on Poultry," J. Moore.
7:45 6:45 5:45 4:45
WKAR (285.5m-1050kc) "Draft Horse Types," R. Hudson.
8 7 6 5
KFRU (499.7m-600kc) "Beef Cattle in Missouri Farming," E. Trowbridge.
KSAC (340.7m-880kc) "Cause of Variations in Cream Tests," W. Martin. "Planting the Garden," W. Balch.
8:33 7:33 6:33 5:33
KYW (535.4m-560kc) "Quality Boys—Quality Calves—Quality Meats," Jack Hill.
9:05 8:05 7:05 6:05
WEAO (293.9m-1020kc) "Fruits: The Soil and Its Preparation," F. G. Charles.
9:30 8:30 7:30 6:30
KOA (322.4m-930kc) Farm question box, George Wheeler.

Wednesday, March 17

Eastern 12 noon Central 11 a. m. Mountain 10 a. m. Pacific 9 a. m.
WRC (468.5m-640kc) Fifty Farm flashes.
1:15 p. m. 12:15 p. m. 11:15 10:15
WOC (483.6m-620kc) "Profitable Dairy Feed for Every Month—September and October," O. Reed.
1:30 12:30 11:30 10:30
WFAA (475.9m-630kc) Sears-Roebuck Agricultural program.
1:35 12:35 11:35 10:35
KSAC (340.7m-880kc) "The Corn-Hog Ratio," E. Stokdyk. "Some Demonstration Results Worth Considering," A. Clapp.
1:45 12:45 11:45 10:45
WMAQ (447.5m-670kc) Radio Farm school.
WOI (270m-1110kc) Poultry husbandry.
1:50 12:50 11:50 10:50
KFKX (288.3m-1040kc) "A B C's of Dairying," C. Long.
8:15 7:15 6:15 p. m. 5:15 p. m.
KSAC (340.7m-880kc) "How Our New Road Laws Are Working," W. Buck. "When Should the Farm Family Build a New Home," W. Ward.

Eastern 9 p. m. Central 8 p. m. Mountain 7 p. m. Pacific 6 p. m.
WTIC (475.9m-630kc) "Co-operation—Its Place in Agriculture," Paul Fossum.
9:15 8:15 7:15 6:15
WEMC (285.5m-1050kc) "Michigan's Fruit Belt," G. McOmber.

Thursday, March 18

Eastern 12 noon Central 11 a. m. Mountain 10 a. m. Pacific 9 a. m.
WRC (468.5m-640kc) Fifty Farm Flashes.
1:15 p. m. 12:15 p. m. 11:15 10:15
WEAO (293.9m-1020kc) "Shall We Grow Potatoes?" L. M. Montgomery.
WOC (483.6m-620kc) "Soy Bean Seed—Always Same Poor Situation Critical This Year," J. Hackelman.
1:35 12:35 11:35 10:35
KSAC (340.7m-880kc) "Prepare for a 100 Bushel Corn Yield," L. Willoughby. "Farm Account Club Records," L. Chapman.
1:45 12:45 11:45 10:45
WMAQ (447.5m-670kc) Radio farm school.
WOI (270m-1110kc) Farm crops.
7:15 6:15 5:15 p. m. 4:15 p. m.
WKAR (285.5m-1050kc) "Use of Skim Milk on the Farm," A. Baltzer. "Care and Marketing of Cream," E. Scott. "Value of Succulent Ration for Dairy Cows," George Taylor.
8 7 6 5
KSO (242m-1240kc) Farm talk.
8:30 7:30 6:30 5:30
WOI (270m-1110kc) "Emergency Hay Crops," F. Wilkins.
9:30 8:30 7:30 6:30
KOA (322.4m-930kc) Farm question box.

Friday, March 19

Eastern 12 noon Central 11 a. m. Mountain 10 a. m. Pacific 9 a. m.
WRC (468.5m-640kc) Fifty Farm Flashes.
1:15 p. m. 12:15 p. m. 11:15 10:15
WOC (483.6m-860kc) Special Farm Service Day.
KTHS (374.8m-800kc) Farmers' Radio Chautauqua.
1:35 12:35 11:35 10:35
KSAC (340.7m-880kc) "Fighting Moles with Poison Corn," A. Oman. "Corn Type Tests," F. Blecha.
1:45 12:45 11:45 10:45
WOI (270m-1110kc) Agricultural Economics "Trend of Market and Market Prices," P. Miller.
2 1 12 n. 11
KFKX (288.3m-1040kc) Special Farm Service day.
7:15 6:15 5:15 p. m. 4:15 p. m.
WKAR (285.5m-1050kc) "Wheat and Chaff," H. Rather. "Preparing for the Most Profit from Beans," H. Pettigrove. "Flax for Fibre," C. Mogee. "Flax for Seed," C. Skiver. "Possibilities of Alfalfa Seed Growing in Michigan," H. Rather.
8:15 7:15 6:15 5:15
KSO (242m-1240kc) Farm talk.
11:45 10:45 9:45 8:45
8:30 7:30 6:30 5:30
WOC (483.6m-620kc) Question box.
8:35 7:35 6:35 5:35
WCCO (416.4m-720kc) Farm lecture.
KWSC (348.6m-860kc) "Destroying Grasshoppers by Poison Gas," Anthony Spuler. "Fertilizers and Their Uses," Leonard Hegnauer.

Markets and Weather

Daily Except Sunday

Eastern 9:30 a. m. Central 8:30 a. m. Mountain 7:30 a. m. Pacific 6:30 a. m.
WOAW (526m-570kc) Markets.
9:45 8:45 7:45 6:45
KDKA (309.1m-970kc) Livestock, grain.
10 9 8 7
WLS (344.6m-870kc) Livestock, markets, fruit.
WOS (440.9m-680kc) Hogs.
10:30 9:30 8:30 7:30
WFAA (475.9m-630kc) Markets.
10:45 9:45 8:45 7:45
WCCO (416.4m-720kc) Markets.
WMC (499.7m-600kc) Weather, markets.
11 10 9 8
WOS (440.9m-680kc) Weather, hogs.
11:15 10:15 9:15 8:15
WTAG (268m-1120kc) Markets, weather.
11:30 10:30 9:30 8:30
KFKX (288.3m-1040kc) Weather, Chicago Board of Trade, livestock, Chicago and New York butter and egg market, local produce.
WCCO (416.4m-720kc) Markets.
WEAR (389.4m-770kc) Markets, weather.
11:45 10:45 9:45 8:45
WAAW (384.4m-780kc) Livestock, butter, eggs.
12 n. 11 10 9
KDKA (309.1m-970kc) Weather, livestock, grain.
WBAP (475.9m-630kc) Weather, cattle, grain.
WLS (344.6m-870kc) Poultry, dairy, hogs, sheep.
WOS (440.9m-680kc) Livestock, poultry, eggs, grain.
12:30 p. m. 11:30 10:30 9:30
KFKX (288.3m-1040kc) Livestock, fruit, vegetables, dairy.
WEAR (384.4m-780kc) Markets, weather.
WFAA (475.9m-630kc) Markets.
1 12 n. 11 10
WBAP (475.9m-630kc) Markets.
WOS (440.9m-680kc) Livestock, weather.
1:30 12:30 p. m. 11:30 10:30
KTHS (374.8m-800kc) Markets, weather, market, apples.
WOAW (526m-570kc) Markets.
1:45 12:45 11:45 10:45
KOA (322.4m-930kc) Weather, roads, livestock, poultry.
2 1 12 n. 11
WOC (483.6m-620kc) Weather, grain, livestock, dairy.
2:15 1:15 12:15 p. m. 11:15
WAAW (384.4m-780kc) Grain markets.
WFAA (475.9m-630kc) Markets.
3 2 1 12 n.
WLS (344.6m-870kc) Livestock, grain, dairy, fruit, vegetables.
WOS (440.9m-680kc) Livestock, markets, grain.
3:30 2:30 1:30 12:30 p. m.
WFAA (475.9m-630kc) Markets.
WMC (499.7m-600kc) Markets, weather.
3:50 2:50 1:50 12:50
WWJ (352.7m-850kc) Weather, markets.
4 3 2 1
WCCO (416.4m-720kc) Markets.
WFAA (475.9m-630kc) Markets.
5:50 4:50 3:50 2:50
WHAS (399.8m-750kc) Markets.
6:30 5:30 4:30 3:30
KSAC (340.7m-880kc) Markets.
6:45 5:45 4:45 3:45
WIP (508.2m-590kc) Livestock, markets.
KSAC (340.7m-880kc) Market review.
KFWA (261m-1150kc) Market reports.
8 7 6 5
KOA (322.4m-930kc) Sheep, markets, livestock, poultry.
11 10 9 8
WCCO (416.4m-720kc) Weather, grain.

CAMP FIRE GIRLS REPORT TO WSB

Tuesday, March 16

WEAR, Cleveland, Ohio (389.4m-770kc), 7 p. m., State theater vaudeville and music; 8:30, WEAF; 9, WEAF; 10, ensemble; 10:30, Vincent Lopez orchestra; 11, Wormack's Singing Syncopators.

WEBJ, New York, N. Y. (272.6m-1100kc), 7-7:30 p. m., Kenwood Klub orchestra; 7:45, A. B. Jacobson, baritone; 8:15, Gordon Beresford, entertainer; 8:30-9, New York Collegians' orchestra.

WEEI, Boston, Mass. (348.6m-860kc), 12:15 a. m., Lenten services, B. F. Keith's theater; 3:05 p. m., Eugene's singing orchestra; 4, Crimson Ramblers; 5, Joe Herlihy's Collegians, Music Box; 6:05, George Joy and Nell Cantor, popular songs; 7:30, R. V. Pettingell company, program; 8-10:30, WEAP.

WFI, Philadelphia, Pa. (394.5m-760kc), 1 p. m., Tea Room ensemble; 3, George C. Young, pianist, John Grady, violinist; 6:30, Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra; 7:15, banking talk; 8, WEAF; 8:30, WEAF; 10, WEAF; 10:30, WEAF.

WGBS, New York, N. Y. (315.6m-950kc), 10:10 a. m., Frances Delaney, soprano; 10:30, Frances Delaney, soprano; 10:50, Frances Delaney, soprano; 6 p. m., Uncle Geebee; 7, Arrowhead Inn orchestra; 8, Y. M. H. A. vocational forum; 8:30, Threshold players' production; 9, Crystal Palace orchestra; 10:30, Arrowhead Inn orchestra.

WGCP, New York, N. Y. (252m-1190kc), 3 p. m., Ona Welsh, pianist; 3:15, Max Heitt, violinist; 3:30, Isabelle Henderson, soprano; 3:45, 20th century entertainer; 4:10, Leslie McLeod, tenor; 4:30, Katherine Adolph, soprano; ukulele, Bob McDonald.

WGHB, Clearwater, Fla. (266m-1130kc), 6:30-7:30 p. m., dinner music; 7:30-7:45, Giles W. Quarles, "The Monkey Man"; 8:30-9:30, Homer Moore singers of Tampa; 11:45-1, midnight ramble, dance music.

WGHP, Detroit, Mich. (270m-1110kc), 6-7 p. m., dinner concert; 8-10, WGHP Funsters, with Skylark dance band; 12-1 a. m., Gerald Marks and his orchestra.

WGR, Buffalo, N. Y. (319m-940kc), 2:30 p. m., WGR's afternoon program; 6:30, Vincent Lopez Hotel Statler dance orchestra, Harold Gieser, director; 8, jointly with WEAF, Gold Dust Twins, Auction Bridge, Eveready hour, Vincent Lopez and his Casa Lopez orchestra.

WGY, Schenectady, N. Y. (379.5m-790kc), 2 p. m., music; organ recital, Stephen E. Boisclair; 6:30, Porter E. Potts Hotel Van Curler orchestra; 7:45, WRC; 8:30, WJZ; 9:30, harp selections.

WHAR, Atlantic City, N. J. (275m-1090kc), 2 p. m., Seaside hotel trio; 8, Seaside hotel trio; 9, St. Patrick's Day program.

WHN, New York, N. Y. (361.2m-830kc), 12:30 p. m., Lexington organ recital; 2, overture and vaudeville, Loew's State, N. Y.; 3:15, Lexington theater orchestra; 6, Treasureland Neighbors; 6:30, Everglades orchestra; 7, Iceland orchestra; 7:30, Will Oakland's chateau; 8, people's hour; 9, Loew's New York Roof orchestra; 11, Avalon club orchestra; 11:30, Al Raymo's entertainers; 12, Harry Richman and his entertainers.

WIP, Philadelphia, Pa. (508.2m-590kc), 1 p. m., organ recital; 3, Carolyn Schimminger, soprano; Elizabeth Gear, pianist; Babette Gerhab, contralto; Flora Ripka, accompanist; 6:05, Monte Cross, "old-timer"; 6:15, Nelson Maples and his S. S. Leviathan orchestra; 7, Uncle Wip's bedtime stories; choir of St. Edmund's Home; 8:20, "Vision," Lenten drama, students of Villa Nova college; 10:30, Pagoda cafe orchestra.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Glover-Watson square dance orchestra; 8, Jean Goldkette's orchestra.

WJZ, New York, N. Y. (454.3m-660kc), 7 p. m., "Boston Terriers"; 7:30, U. S. Marine band.

WLIT, Philadelphia, Pa. (394.5m-760kc), 11 a. m., organ recital; 12:02 p. m., daily almanac, Stanley theater organ recital; Arcadia cafe concert orchestra; 2, Arcadia cafe concert orchestra; 2:30, Household helps and hints; 7:30, Dream Daddy's bedtime stories; 7:50, dramatic review, Allyn C. Saurer.

WMAK, Buffalo, N. Y. (266m-1130kc), 6:15-7:15 p. m., dinner music.

WMCA, New York, N. Y. (340.7m-880kc), 12 noon, Jack Cohen, pianist; 6 p. m., Olcott Vail and his Hotel McAlpin string ensemble; 6:30, Parody club orchestra; 7, Jack Denny's orchestra; 7:30, Twin Oaks orchestra; 7:45, Arthur West's Sirens; 8, Landay Revellers; 9, Pace institute program; 9:15, Palmer Pen lesson; 9:30, Harry Rainess hour; 10:15, McAlpin news editor; 10:30, Tango Garden orchestra; 11, Ernie Golden and his Hotel McAlpin orchestra; 12, McAlpin entertainers.

WNYC, New York, N. Y. (526m-570kc), 7:10 p. m., The Canadians; 7:35, The Canadians; 8, male quartet; 8:15, Straub and Lambrecht, Hawaiian guitarists; 8:30, male quartet; 8:45, Straub and Lambrecht, Hawaiian guitarists.

WOO, Philadelphia, Pa. (508.2m-590kc), 11 a. m., organ recital; 12:02 p. m., Golden's crystal tea room orchestra; 4:45, organ recital; 7:30, Sesqui Centennial program.

WOR, Newark, N. J. (405.2m-740kc), 6:40 p. m., studio program; 7, Copenhagen quartet.

WPG, Atlantic City, N. J. (299.8m-1000kc), 6:45 p. m., Arthur Scott Brook, organist; 7, Hotel Morton dinner music; 8:15, Plaza hotel artists, Cecile Steiner, violinist; Margaret Irwin, pianist; Horace M. Burke, baritone; 9, Chalfonte-Haddon hall dual trio; 10, concert, Allegro club; 10:30, Karl Bonawitz, popular and classical pianist; 11, Silver Slipper supper club orchestra.

WRC, Washington, D. C. (468.5m-640kc), 12:30 p. m., Lenten services; 1, Hotel Washington orchestra; 7:30, concert, United States Marine band orchestra; 10:30, W. Spencer Tupman and his Hotel Mayflower orchestra; 11:30, organ recital, Otto F. Beck.

WTAG, Worcester, Mass. (268m-1120kc), 10:30 a. m., musical selections; 12:05-2 p. m., noonday luncheon music; 8-9, concert program; 9-10, WEAF; 10:30-11, Vincent Lopez and his orchestra.

WWJ, Detroit, Mich. (352.7m-850kc), 12:05 p. m., Jules Klein's Hotel Statler orchestra; 3, Detroit News orchestra; 6, dinner concert; 8, WEAF.

Central Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., dinner concert; 8:05-10:30, program, University of Nebraska.

KFRU, Columbia, Mo. (499.7m-600kc), 6:15 p. m., dinner music.

KLDS, Independence, Mo. (441m-680kc), 6:30 a. m., service; 8:15 p. m., Cranston School of Music; 11:59, weekly midnight program; organ request, Herbert Johnson.

KMA, Shenandoah, Iowa (252m-1190kc), 6-7 a. m., Jack Todd, solo; 6-7 p. m., May Flower trio; May's Flower Lady, Lina Ferguson; 9-11, May's Mandolin orchestra.

KMOX, St. Louis, Mo. (280.2m-1070kc), 12:30 p. m., Arthur L. Litt, organist; 6, Arthur L. Litt, organist; 6:30, Mrs. Jacques Landree, organist; Mrs. H. Lemons, A. Lawson, duets; 7, orchestra, David Bittner; Mrs. Emma Hart, contralto; 8, orchestra; R. L. McAndrews, baritone, Mary Broderick, accompanist; 9, orchestra; "Colonel 6121"; St. Francis Xavier church choir; Geo. Desereaux, leader; 10, orchestra.

KPRC, Houston, Texas (296.9m-1010kc), 7:30 p. m., Casino Beautiful orchestra; 8:30, Top o' Houston concert.

KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., WEAF.

KSO, Clarinda, Iowa (241.8m-1240kc), 7-7:15 p. m., Finley and Hutchings.

KTHS, Hot Springs, National Park, Ark. (374.8m-800kc), 2-3:30 p. m., classical concert, Eastman hotel orchestra; 5:30-10, dance orchestra; 10-11, college night, quintet and quartet.

KUOA, Fayetteville, Ark. (299.8m-1000kc), 8 p. m., musical program, pupils of Henry Tovey.

KWWG, Brownsville, Tex. (278m-1080kc), 6 p. m., "Irish Melodies", Ted Toothman.

KYW, Chicago, Ill. (536m-560kc), 12:05-1 p. m., noonday concert, Commonwealth Edison company; 1-2, luncheon concert, Congress hotel; 4, afternoon frolic; 6-7, dinner music; 8-9, musical program; Eulale Kober Stade, pianist; Henrietta Nolan, violinist; Barney Weber, tenor; "Banjo Bill" Haid; melody quartet; 9, music hour; 10-12, evening at home; 1-2 a. m., Insomnia club.

WBAP, Ft. Worth, Tex. (475.9m-630kc), 12:05-12:30 p. m., Ward's "Trail Blazers"; 6-6:30, dinner music; 7:30-8:30, concert; 9:30-11, Carolyn Bell McFarland, presenting violinist, vocalist and pianist.

WHAS, Louisville, Ky. (399.8m-750kc), 1-2 p. m., concert, Benson trio; 3:30-4, special music; 4-4, Campus Cracks; Wallace Wilson, saxophonist; Walter Haynes, banjoist; Charles O'Connell, pianist; concert; 7:30-9, concert, Carl Zoeller's Melodists.

WHB, Kansas City, Mo. (365.6m-820kc), 7-7:30 p. m., organ music, Morrill Moore; 8, William Topliker's violin choir, twenty violinists; Harry Lane and his uke.

WHO, Des Moines, Iowa (526m-570kc), 7:30-8 p. m., Raleigh quintet; 8-9, Herring Motor band; 11-12 noon, Bankers Life Corn Sugar orchestra.

WHT, Chicago, Ill. (399.8m-750kc), 12 m., Al Carney's complimentary organ recital; 6, dinner organ recital, Al Carney; 6:40, Grayling's string trio; 6:50, Diamond quartet Loftis; 9:15, Cinderella cafe orchestra; 9:35, Kitchen Klenzer entertainers; 9:50, Howard Sershon, Ribbon Quartet"; 7:30-8, WEAF; 8-9, WEAF; 10:30-11:30, Greer's orchestra; Roland Klump, flutist.

WOI, Ames, Ia. (270m-1110kc), 12:30 p. m., college chimes.

WOK, Chicago, Ill. (217.3m-1300kc), 4:30-7 p. m., Capitol theater organ; program; 10-1:30, Tearney's town club orchestra; Carl Lorraine's Pershing Palace orchestra; Husk O'Hare's Cocoanut Grove orchestra; Capitol theater program; program.

WORD, Batavia, Ill. (275m-1090kc), 7 p. m., program; 9, musical program; 11, program.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., dinner concert, Jack Chapman and his Rainbo Gardens orchestra; Kenneth Sterling, baritone; Leo Miller, violinist; Milton Sherman, pianist; 10-1 a. m., Jack Chapman and his Rainbo Skylarks; Jerry Sullivan, Rose Vanderbosch, soprano, pianist; Hal Lansing and his uke; Merrill Carder, baritone; Ila Shannabrook, soprano; Will Rossiter; Romo Vincent, boy baritone; Johnny Poats, baritone; Harold Olson, baritone; artists; 1-2, Ginger hour, Jack Chapman, Ginger Man and Little Skylarks.

WSAI, Cincinnati, Ohio (325.9m-920kc), 5:30 p. m., twilight musicale; 7, Mabley and Carew orchestra; 8, WEAF; 9:30, musical program, featuring Hawaiian guitars; 12, Freda Sanker's orchestra.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., Lyon and King de luxe concert; 10:45, artists, Loew's Grand theater.

WSM, Nashville, Tenn. (282.8m-1060kc), 10 p. m., frolic, Beasley Smith's orchestra.

Mountain Time Stations

CFAC, Calgary, Canada (435.8m-688kc), 8 p. m., studio program, Y. M. C. A.

CNRR, Regina, Can. (476m-640kc), 8 p. m., concert program.

KFAU, Boise, Idaho (280.2m-1070kc), 8:10 p. m., program, Boise high school expression department, Helen Mayer, Helga Sjaastad, directors.

KFWA, Ogden, Utah (261m-1150kc), 4-5 p. m., organ recital, Paramount theater; 5-6, Radio dealers program.

KFXF, Colorado Springs, Colo. (250m-1200kc), 8:30 p. m., Benjamin Johnson, pianist; Dorothy Allen, violinist; Gertrude Bigler, contralto; John Otten, tenor.

KOA, Denver, Colo. (322.4m-930kc), 12:15 p. m., Marjorie Nash, organist; 6:30, dinner concert, Brown Palace string orchestra.

Pacific Time Stations

CNRV, Vancouver, Can. (291.1m-1030kc), 8:30 p. m., studio program, St. Giles' church choir; ladies trio; Velma Carnwath, pianist; Scotch song, Jean Carrick; Jean Robertson, soloist; Christy Madsen, pianist; 10:30, Cabaret Belmont orchestra, Bebe Mullar, soprano.

KFI, Los Angeles, Calif. (467m-640kc), 5:30-6 p. m., Charles Beauchamp, tenor; 6, nightly doings; 6:30, vest pocket program; 6:45, Radiotorial period; 7-8, dance music; 8-9, Screen Artists' instrumental quartet; Virginia Flohri, soloist; 9-10, Louise Klos trio; harp, cello and violin; 10-11, Packard ballad hour of popular song hits.

KFOA, Seattle, Wash. (454.3m-660kc), 12:30-1:30 p. m., Kiwanis club luncheon program; 6-6:30, Atwater Kent Boys; 7-8:15, program; 8:30-10, Rhodes Department store; 10-11, Jackie Souder's Club Lido serenaders.

KFON, Long Beach, Calif. (232.4m-1280kc), 6-6:30-p.-m., Brayton's theater organ; 6:30-7, amusement bulletin; 7-8, studio program; 8-9, Press-Telegram studio; 9-11, Long Beach Aero club frolic.

KFWB, Hollywood, Calif. (252m-1190kc), 6-7 p. m., dinner music, Fitzgerald Music company; 8-9, Patrick-Marsh dance orchestra; 9-10, program, Alexandria Tailors; Dave Ward and his banjo; Alexandria Tailors' orchestra; 10-11, Warner Brothers frolic.

KGO, Oakland, Calif. (361.2m-830kc), 11:30-1 p. m., luncheon concert; 4-5:30, concert orchestra; 6-6:55, Brokaw and orchestra; 8-9, Eveready program; Mishel Piastro, violinist, assisted by Lev Shorr, pianist; 9:10-9:30, Albert Peck Bates, basso; Joseph McIntyre, accompanist; 10-12, dance music, Girvin-Deuel's California Collegians.

KGW, Portland, Ore. (491.5m-610kc), 12:30-1:30 p. m., concert, First National bank and the Security Savings and Trust company; 6-7, dinner concert, Olds, Wortman and King company; 8-10, McElroy quartet; 10-12, music, Multnomah hotel.

KHJ, Los Angeles, Calif. (405.2m-740kc), 8-10 p. m., program, Builders Finance association; 10-11, Don Clark's Biltmore hotel dance orchestra.

KMTR, Hollywood, Calif. (238m-1260kc), 6-7 p. m., Starr Piano company studio; 8-10, KMTR concert orchestra.

KJR, Seattle, Wash. (389.4m-780kc), 7-8:30 p. m., Cornish School Artistic ensemble; Peter Mereblum, violinist; Kola Levienne, cellist; Bertha Poncy Dow, pianist; 8:30-10, Puget Sound Savings and Loan Association orchestra.

KNX, Hollywood, Calif. (336.9m-890kc), 5:30 p. m., Leighton's cafeteria orchestra; 6:30-7, Atwater Kent orchestra; 7-7:45, program, Roy L. Donley, Inc.; 8-9, program, Globe Ice Cream and Weber Bread companies' Killigrove's Junior Symphony; Tom Mitchell, baritone; 9-10, program, Western Auto Supply company's Western Giant Cord orchestra; J. Howard Johnson, tenor; 10-12, movie night, Ambassador hotel, Ray West's Cocoanut Grove dance orchestra.

KPSN, Pasadena, Calif. (315.6m-950kc), 8-9 p. m., Star-News concert, Adolf Tandler instrumental group.

KTAB, Oakland, Calif. (240m-1250kc), 9-9:30 a. m., prayer service; 12-1, luncheon concert.

CLASSICAL CONCERTS INDEX

Saturday, March 13

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.
WCX, WEAF, WMCA, WREO.			
7	6	5	4
KGO, KYW, WEAR, WENR, WMAQ, WNYC, WOAW, WOK, WRC.			
8	7	6	5
KDKA, KFNF, KOIL, KSD, KYW, WBBR, WGN, WMBB, WNYC, WOAW, WQJ.			
9	8	7	6
KFOA, KPRC, KHJ, KYW, WHAS, WIP, WLW, WORD, WSAI, WSOE			
10	9	8	7
KNX, KYW, WEAF, WMAQ, WMC, WOAW, WOC, WORD.			
11	10	9	8
KGO.			
12 m	11	10	9
WOAW.			

Sunday, March 14

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.
WCAU.			
7:20	6:20	5:20	4:20
WCAE, WCAU, WEAF, WEAR, WEEI, WJAR, WTAG, WWJ.			
8	7	6	5
KYW, WAMD, WBZ, WEAR, WGBS, WGCP, WKAQ, WLS, WORD.			
9	8	7	6
KFDM, KPRC, KSD, WBZ, WCAU, WCBD, WCCO, WEAR, WGY, WHAR, WHT, WNYC, WQJ.			
9:15	8:15	7:15	6:15
WEEI, WJAR, WTAG.			
10	9	8	7
KHJ, KNX, KTHS, KYW, WCCO, WFAA, WNYC, WOC, WQJ, WSOE.			
11	10	9	8
KFVE, KHJ, KNX, KPO, KTHS, KYW, WHN, WKRC, WOC.			
12 m	11	10	9
KHJ, KNX, WOC.			
1 a. m.	12 m	11	10
KNX.			

Monday, March 15

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.
KGO, WCX, WEAF, WMCA, WREO, WWJ.			
7	6	5	4
KMA, WCCO, WEAF, WEAR, WHAD, WJR, WOAW, WOK.			
8	7	6	5
KFNF, KSD, WBBR, WBZ, WCAU, WCX, WHAR, WHT, WJAR, WLW, WMBB, WTAG, WTIC.			
9	8	7	6
KFOA, KGO, KHJ, KPRC, WBBR, WCCO, WBZ, WCAE, WEEI, WHAD, WHO, WJAR, WLW, WORD, WOS.			
10	9	8	7
KMA, KPO, KPRC, KSD, KTHS, WAMD, WCCO, WEAF, WHAD, WJAR, WOAW, WSUI, WTAG.			
11	10	9	8
KGW, KHJ, KMA, KSD, KTHS, KWSC, WHN, WSAI.			
12 m	11	10	9
KGW, WBAP, WSAI.			
1 a. m.	12 m	11	10
KHJ.			

Tuesday, March 16

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.
WBZ, WCX, WEAF, WMCA, WREO, WWJ.			
7	6	5	4
KGO, KMA, WEAR, WEBJ, WGBS, WHAD, WJR, WMAQ, WOAW, WOK, WOR, WTIC, WWJ.			
8	7	6	5
KFNF, KSD, KYW, WBZ, WCAE, WCAU, WCX, WEAR, WEEI, WGR, WHAR, WHT, WLS, WMBB, WQJ, WRC, WTIC.			
9	8	7	6
KFDM, KFOA, KGO, KHJ, KLDS, KYW, WCAE, WCBD, WCCO, WEAF, WEEI, WGR, WHAS, WJAR, WLW, WMAQ, WOC, WORD, WTAG.			
10	9	8	7
KFAB, KFDM, KFUO, KMA, KNX, KPRC, KTHS, WCAE, WCCO, WEAF, WEAR, WEEI, WLW, WMCA, WOC, WSAI, WSOE, WTAG.			
11	10	9	8
KGO, KHJ, KMA, KYW, WSAI.			
12 m	11	10	9
KPO, KYW, WHO, WMC.			

Wednesday, March 17

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.
WCX, WEAF, WMCA, WREO, WWJ.			
7	6	5	4
KGO, WEAR, WHAD, WJR, WMAQ, WOK, WTIC.			
8	7	6	5
KFNF, KPRC, KSD, KYW, WAMD, WBZ, WCX, WEAF, WEEI, WHT, WLW, WMBB, WMCA, WQJ, WTAG, WWJ.			
9	8	7	6
KFOA, KGO, KPRC, KSD, KYW, WBZ, WCCO, WDAF, WEEI, WGR, WHAD, WHAS, WJAR, WMAQ, WOR, WOS, WORD.			
10	9	8	7
KFMX, KMA, KNX, KTHS, WAMD, WCCO, WEAF, WEEI, WGR, WHAD, WJAR, WLS, WMAQ, WNYC, WOC, WSOE.			
11	10	9	8
KGO, KGW, KMA, KPO, KTHS, WCAE, WLS, WLW, WOC, WSAI.			
12 m	11	10	9
KGW, KPO, WHAD, WLW.			
1 a. m.	12 m	11	10
WLW.			

Thursday, March 18

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.
WBZ, WCX, WEAF, WIP, WMCA, WREO, WWJ.			
7	6	5	4
KGO, KSD, WEAF, WEAR, WGBS, WHAD, WJR, WMAQ, WOAW, WOK, WWJ.			
8	7	6	5
KYW, WBBR, WBZ, WCAU, WCCO, WCX, WEAR, WEEI, WGR, WGY, WHAR, WHT, WLS, WLW, WMBB, WOAW, WQJ, WTAG, WTIC.			
9	8	7	6
KHJ, KLDS, WBAP, WCAE, WCAU, WCBD, WCCO, WEAF, WEEI, WGR, WHAR, WHAS, WJAR, WNYC, WOC, WORD, WRC, WASI, WSB, WTAG.			
10	9	8	7
KNX, KPRC, KTHS, KYW, WAMD, WGR, WGY, WHAD, WMC, WOAW, WOC, WSAI.			
11	10	9	8
KGO, KPO, KTHS, WBAP, WKRC.			
12 m	11	10	9
KGW, KPO, WHO, WKRC.			

Friday, March 19

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.
KGO, WCX, WMCA, WREO, WWJ.			
7	6	5	4
KGO, WEBJ, WGY, WHAD, WJR, WMAQ, WOAW, WOK, WOR, WTIC.			
8	7	6	5
KYW, WAHG, WAMD, WBZ, WCAU, WCX, WEBJ, WEEI, WHT, WLS, WQJ, WWJ.			
9	8	7	6
KFDM, KFNF, KFOA, KGO, KHJ, KSD, KYW, WBAP, WBZ, WCAU, WDAF, WEEI, WHAD, WJAR, WMAQ, WMCA, WSAI.			
10	9	8	7
KFAB, KFDM, KOA, WCCO, WHAD, WMAQ.			
11	10	9	8
KFMX, KHJ, KNX, KPO.			
12 m	11	10	9
KPO.			

WBBM, Chicago, Ill. (226m-1330kc), 4-6 p. m., Sandy and Harry; Arnold Stephenson; Sidney Nireman, pianist; Harold Morava, tenor; Russel Myers; 8-9, Sandy and Harry; Moulin Rouge orchestra; Phil Flemming, tenor; Jean St. Anne, French baritone; Christian A. Grimm, composer-pianist; Bob York, tenor; 9-12, Jack Crawford's orchestra; Ariston trio; Barber Shop Three; Pete Kules; Ziegler Sisters; Vorris Worthley, tenor; Two Jays; Charlie Garland; Floyd Falch; Vivian Sheffer, contralto.

WCBD, Zion, Ill. (344.6m-870kc), 8 p. m., Mandolin and guitar club; double trio, mixed quartet; Mr. and Mrs. R. Steel, duets; Mrs. Beem and Mrs. Crow, duets; Richard Hire, violinist; Miriam Hollinghead, flutist; Arthur Rendall, clarinetist.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 2:30 p. m., Dick Long's trio; 6:15, dinner concert, Biley's St. Paul hotel concert orchestra; 7:30, WEAF; 10:05, Radio drama, "A Step On the Stairs."

WDAF, Kansas City, Mo. (365.6m-820kc), 3:30-4:30 p. m., The Star's string orchestra; 6-7, music, Trianon ensemble; 11:45-1 a. m., Ted Weems' Victor Recording orchestra; Ben Bernie's orchestra.

WEBH, Chicago, Ill. (370.2m-810kc), 3-4 p. m., special features; 7, Oriole concert orchestra; 8, Oriole marimba band, special numbers; Kathryn Forbes, soprano; 9-9:45, musical bits, Balaban and Katz's Uptown theater; 11, Oriole orchestra, dance music; 12:30 a. m., Bernard Weber, tenor; Oriole trombone duo; Mark Fisher, songster.

WFAA, Dallas, Texas (475.9m-630kc), 12:30-1 p. m., Jeff J. Sandell, pianist; 4:30-5, MacDowell Sisters; 6:30-7:30, Baker hotel orchestra; 8:30-9:30, Southern Methodist university school of music; 11-12 midnight, Majestic theater orchestra.

WGES, Oak Park, Ill. (250m-1200kc), 5-7 p. m., flute; 8-9, entertainment; 11-1 a. m., popular features.

WGN, Chicago, Ill. (302.8m-990kc), 12:40-2:30 p. m., concert, Drake concert ensemble, Blackstone string quintet; 2:30-3, Lyon and Healy artists; 3-3:30, Bridge luncheon; 3:30-4:15, Tea Time music, Marshall Fields tea room orchestra; 4:30-5, organ recital, Edward Benedict; 6:30-6:45, Drake concert ensemble, Blackstone string quintet; 6:45-7, old-time favorites; 8-9, WEAF; 9-10, popular program; 10-10:10, Sam 'n' Henry; 10:10-10:20, old-time favorites; 10:20-10:40, the Playshop; 10:40-11, popular program.

WHAD, Milwaukee, Wis. (275m-1090kc), 6:15-10 p. m., Wisconsin artists' series.

WJJD, Mooseheart, Ill. (370.2m-810kc), 12-1 p. m., Palmer House symphonic players; Palmer House trio; 2-3, Howard L. Peterson, organist; 4-5, music, Mooseheart children; 5:30-7, Jack Nelson; Palmer House symphonic players; Palmer House Victorians; Howard L. Peterson, organist; 8-9, children; 10-11, Garod studio; Rushmore ensemble singers; Palmer House Victorians; 12:30 a. m., Knights of the Burning Candle.

WKRC, Cincinnati, Ohio (325.9m-920kc), 10 p. m., Alvin Roehr and his Hotel Alms orchestra; 10:30, Eugene Perazzo, organist; 11, Doc Howard's Cuvier—WKRC entertainers.

WLIB, Chicago, Ill. (302.8m-990kc), 7-7:20 p. m., Uncle Walt's Punch and Judy show; 7:20-7:30, Correll and Gosden; 7:30-8, WEAF; 11-11:20, Correll and Gosden; 11:20-1 a. m., dance music; Correll and Gosden.

WLS, Chicago, Ill. (344.6m-870kc), 12 m., Ford & Glenn; 6, Ford and Glenn; 6:40, Ralph Emerson, organist; 7, Ford and Glenn; 7:15, Genevieve Brigtuall, soprano; Allan Schirmer, baritone; Ade Gooden, pianist.

WLW, Cincinnati, Ohio (422-3m-710kc), 7:30 p. m., piano memories, Mary Louise Wosezcek; 8, old-time review, Crosley Burnt Corkers; 9, concert program, Formica orchestra, William Stoess, director.

WMAQ, Chicago, Ill. (447.5m-670kc), 2 p. m., program for shut-ins; 4:15, pupils, Harriet Waxman; 4:30, Chicago High School Teachers' council; 4:30, pupils, Columbia school; 6, Chicago theater organ; 6:30, Hotel La Salle orchestra; 8:40, musical program, V. Gullotta; 9:10, St. Francis church choir; 9:55, chimes, Mitchell tower.

WMBB, Chicago, Ill. (250m-1200kc), 7-8 p. m., Trianon duo; Grand opera trio; 9-11, Woodlawn theater orchestra; Trianon orchestra; Walter Kip; Oxford Girls; Joe Warner; Bob Duffy, baritone; Lou Sievers.

WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., concert, Mrs. O. H. Muehler; 11, frolic, Britling's cafeteria novelty orchestra.

WOAI, San Antonio, Texas (394.5m-760kc), 8:30 p. m., Gebhardt, Mexican players.

WOAW, Omaha, Nebr. (526m-570kc), 6 p. m., Hugo G. Heyn, xylophonist; 6:50, orchestra; 9, de luxe; 10:10, Radio review; 10:30, Herbe Feierman and his orchestra; 12, Rialto alarm.

WOC, Davenport, Iowa (483.6m-620kc), 5:45-6 p. m., chimes concert; 7-7:30, musical program, "The Blue tenor; Al Carney, organist; Jack Marshall, pianist; 10:10, dance music; 12, Pat Barnes and Al Carney.

Wednesday, March 17

Headliners Today

Eastern	Central	Mountain	Pacific
7 p. m.	6 p. m.	5 p. m.	4 p. m.
WRC (468.5m-640kc) "Matters Before the House."			
8	7	6	5
WGHP (270m-1110kc) Little Symphony.			
8:15	7:15	6:15	5:15
WEBJ (272.6m-1100kc) Tuckahoe night.			
8:30	7:30	6:30	5:30
CNRM (411m-730kc) St. Patrick's night, choral club.			
WJZ (454.3m-660kc) Lewissohn music concert.			
WOI (270m-1110kc) College birthday program.			
8	8	7	6
WDAF (365.6m-820kc) One-act play.			
8:15	8:15	7:15	6:15
WMAQ (526m-570kc) Four Musketeers.			
8:20	8:30	7:30	6:30
KPRC (296.9m-1010kc) Temple Beth Israel choir.			
WDAF (365.6m-820kc) Spirituals, S. Coleridge Taylor quartet.			
10	9	8	7
WEBH (370.2m-810kc) Dennis Sisters.			
11	10	9	8
WSM (282.8m-1060kc) Boston Serenaders.			
11:15	10:15	9:15	8:15
KHJ (405.2m-740kc) Optimist quartet, Monrovia trio.			
1:30 a. m.	12:30 a. m.	11:30	10:30
KYW (535.4m-560kc) Paul Ash's Gang.			

Wednesday, silent night for: CHIC, CKNC, CNRA, CNRC, CNRE, CNRM, CNRR, CNRT, CNRV, KFAU, KFDM, KFEQ, KFKU, KUOA, KFXF, KGO, KLDS, KMMJ, KOB, KTAB, WABQ, WBAL, WBAP, WBBR, WCAD, WCAL, WCBD, WEBW, WFAA, WGBS, WGCP, WGST, WHAR, WHAZ, WIP, WJAD, WJAZ, WLWL, WMC, WOAI, WOAW, WOI, WPG, WRC, WREO.

Eastern Time Stations

CNRM, Montreal, Can. (410.7m-730kc), 8:30 p. m., St. Patrick's Night, choral club; Irish War Pipes, Piper McDevitt; John McInnis, tenor; Dorothy Wade,

MANY STATIONS HONOR ST. PATRICK

Wednesday, March 17

violinist; A. Schell, contralto; quartets; W. Stephenson, baritone.

CNRO, Ottawa, Can. (434.5m-690kc), 8 p. m., Chateau Laurier concert orchestra; 9, Canadian National Railways orchestra, artists; Irish music; dance orchestra.

KDKA, Pittsburgh, Pa. (309.1m-970kc), 12:20 p. m., Trinity church Lenten services; 6:30, dinner concert; 9, concert.

WAHG, Richmond Hill, N. Y. (315.6m-950kc), 12 noon, Lenten services; 12:35 p. m., studio program; 7:30, St. Patrick's Day program; 8:15, Brandfield trio; 8:45, Raymond Maher, baritone; 9, Jimmy Smith, banjo king; 9:15, Old-Fashioned quartet; 10:02, Four Gondoliers.

WBZ, Springfield, Mass. (333.1m-900kc), 6:30 p. m., Hotel Kimball orchestra; 7, program, Linscott Supply company; Mme. Luisa Tosi, prima donna soprano; Philharmonic trio; Gaetano Misterly, violinist; Gustave LaZazzera, cellist; Mrs. Eleanor LaZazzera, accompanist; 7:30, Nature league; 8, Holyoke hour, Falco band; Giles Haggerty, baritone; 9, WBZ concert company, Irish music.

WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert, William Penn hotel; 8, Mystery Merry Makers; 8:30, Davis saxophone octet; 9 concert; 10, Kramer's orchestra.

WCAP, Washington, D. C. (468.5m-640kc), 7-11 p. m., U. S. Navy band orchestra; WEAF.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:45 p. m., Parodians dance orchestra; 7:30, recital, N. Snellenburg and company; 8:10, Kane's musical adventures; 9, Rigo's Royal Gypsy band; 9:30, Jones' Jolly Four; 10:30, Carl Zoehrns and Lou Herscher, songs; 10:45, Frank Cook, old-time songs; 11, Artie Bitteng's Cheerup club.

WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., dinner program, Goldkette ensemble; 8-9, program.

WEAF, New York, N. Y. (491.5m-610kc), 4 p. m., Ray Nichols Recording orchestra; 4:30, Helen L. Martin, mezzo-soprano; 4:45, reading from Irish poets, John Murphy; 5, Vincent Lopez and orchestra from Ritz-Carlton hotel; 6, dinner music, Waldorf- Astoria hotel; 7, synogogue services; 7:30, Irish program, Seamus O'Doherty, Irish tenor; 7:45, Patrick Hyde, accordionist; 8, Two in One Man and the Shinola Boys; 8:30, Davis saxophone octet; 9, Ipana Troubadours; 10, Irish program; 11, Hughie Barrett and orchestra.

WEAO, Columbus, Ohio (293.9m-1020kc), 8:15 p. m., music; 8:45, Broad Street Presbyterian church.

WEAR, Cleveland, Ohio (389.4m-770kc), 7 p. m., Hotel Cleveland orchestra.

WEBJ, New York, N. Y. (272.6m-1100kc), 8-10 p. m., Tuckahoe night, auspices Recreation Commission Town of Eastchester.

WEEI, Boston, Mass. (348.6m-860kc), 12:15 a. m., Lenten services, B. F. Keith's theater; 3:05 p. m., E. Payson Re and his orchestra; 5, Black and White orchestra; 6:13, Joe Rines and his Hunters' Cabin orchestra; 7:30, Henry Volk, violinist; Gladys Posselt, accompanist; 7:45, Peerless tours, Joe Toye; 8:30-10, WEAF.

WFI, Philadelphia, Pa. (394.5m-760kc), 10:30 a. m., Betty Crocker; 1 p. m., Tea Room ensemble; 3, the Tabor Symphony orchestra; 6:30, Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra.

WGBS, New York, N. Y. (315.6m-950kc), 1:30 p. m., O'Connor and Fiddler, spoken melody; 3, St. Patrick's Day program; 6, Uncle Geebee; 6:30, Jersey collegians.

WGCP, New York, N. Y. (252m-1190kc), 3 p. m., Eva Rothenberg, pianist; 3:30, Bobby Grey, singer; 4:10, harp music; 4:30, Jeanne O'Dair, composer; 4:45, Tracey and Mohr; 5:05, Pollack and Dorn; 7, program; 7:30, McDermott-Heagney and Steele; 7:45, Charles Coleman, pianist.

WGHB, Clearwater, Fla. (266m-1130kc), 6:30-7:30 p. m., dinner music; 8:30-9:30, Caroline Lee, "The Virginia Girl," Spanish guitarist; 11:45-1, midnight ramble dance music.

WGHP, Detroit, Mich. (270m-1110kc), 6-7 p. m., dinner concert; 8-10, Little Symphony orchestra; Joseph Mosbach, bassoon soloist; Julius Sturm, cellist; WGHP quartet; Mme. Gizi Szanto, pianist; 12-1 a. m., Gerald Marks and his orchestra.

WGR, Buffalo, N. Y. (319m-940kc), 2:30 p. m., WGR's afternoon program; 6:30, Knell's Tokio dance orchestra; 8, Audubon Terrace Meadowlarks; 8:30, WEAF; 10, popular concert, Sidney Carlson of Fredonia; 11, Vincent Lopez Hotel Statler dance orchestra.

WGY, Schenectady, N. Y. (379.5m-790kc), 7 p. m., WHAM; 8:05, music WHAM.

WHN, New York, N. Y. (361.2m-830kc), 6 p. m., People's hour; 7, Van and Schenck of the Parody club; 7:30, music; 8, "Vogue entertainers"; 9, Loew's New York orchestra; 10, Roseland dance orchestra; 10:30, Anatol Friedland; 11, Silver Slipper orchestra; 11:30, Melody club orchestra; 12 midnight, Cotton club orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 10, reducing exercises; 1 p. m., Gimbel tea room orchestra; 3, Shapp instrumental trio; 6:05, Benjamin Franklin hotel concert orchestra; 7, Anna Plevinsky, pianist, Bertha Plevinsky, violinist.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Jean Goldkette's symphony orchestra; soloists; 9, Winter Haven Radio hour; 11:30, "The Merry Old Chief."

WJZ, New York, N. Y. (454.5m-660kc), 12 p. m., Trinity lenten service; 8:30, Lewissohn free chamber music concert.

WKAR, East Lansing, Mich. (285.5m-1050kc), 8-9 p. m., musical program.

WLIT, Philadelphia, Pa. (394.5m-760kc), 12:02 p. m., Stanley theater organ recital; Arcadia cafe concert orchestra; 2, Arcadia cafe concert orchestra; 7:30, Dream Daddy's bedtime stories; 8:15, recital; 10, Arcadia cafe dance orchestra.

WLWL, New York, N. Y. (288.3m-1040kc), 8 p. m., James Byrne, bass; 8:15, Edmund Tucker, bagpipe soloist; 8:30 recitation; 8:45, music; 9:15, Trick Airs, International trio; 9:30, Rhea Leddy, Wm. Fluck, duets; 9:45, Sara Dunn, mezzo-soprano; 10, Henry Condon, tenor; 10:05, musicale; 10:15, WLWL male quartet, Neil O'Brien, soprano; 10:40, International trio; 11, WLWL male quartet; 11:15, violin solo; 11:35, Pedro de Cordoba, reader; 11:45, organ recital.

WMAK, Buffalo, N. Y. (266m-1130kc), 7:30-9 p. m., musical program; 9-10, Chicagoans orchestra.

WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Olcott Vail and his Hotel McAlpin string ensemble; 6:30, Ernie Golden and his Hotel McAlpin orchestra; 8:30, American School association; 9, Coughan and company, musical program; 10:30, Parody club orchestra; 10:45, Van and Schenck; 11, Hofbrau Haus entertainers; 11:30, Jack Denny's orchestra; 12 midnight, McAlpin entertainers.

WNYC, New York, N. Y. (526m-570kc), 5:45 p. m., Agnes Vernon's juveniles; 6:20, piano selections; 7:35, Chris Meehan, tenor; 7:50, Original Black Diamond serenaders; 8:45, concert program.

WOR, Newark, N. J., (405.2m-740kc), 6:30-7:15 p. m., Jacques Jacobs' Hotel Shelton ensemble; 7:30-7:45, Zit's Central Park Casino orchestra; 8:30-9, Arthur Lange, composer.

WRC, Washington, D. C. (468.5m-640kc), 12:30 p. m., Lenten services; 1, Lee House trio; 4:15, Meyer Davis' Le Paradis band; 5, organ recital.

WTAG, Worcester, Mass. (268m-1120kc), 10:30 a. m., musical selections; 12:05-2 p. m., noonday luncheon music; 8-8:30, WEAF; 9-10, St. Patrick's program; 10-11, WEAF.

WTIC, Hartford, Conn. (475.9m-630kc), 6:30 p. m., Hotel Bond trio; 8, Hartford Hospital Training school glee club; 8:30, W. Van Maasdyk, violinist; 9:15, Laura Gaudet, pianist; 9:30, organ recital.

WWJ, Detroit, Mich. (352.7m-850kc), 12:05 p. m., Jules Klein's Hotel Statler orchestra; 3, Detroit News orchestra; 6, dinner concert; 8, News orchestra and soloists; 9, dance program; 10, Roxy and his gang.

Central Time Stations

CNRW, Winnipeg, Can. (384.4m-780kc), 7:50 p. m., musical program, Ft. Garry hotel orchestra; 9, special broadcast, Hart House string quartet; 10:30, dance program, Ft. Garry hotel orchestra.

KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., dinner concert; 8:30-10:30, Gloomy Gus, entertainer; Slick Merriam, pianist; Harriet Cruse, Oriole of the Air; Cowbell Boys and Belshaw's.

KFMX, Northfield, Minn. (336.9m-890kc), 9-10 p. m., musicale.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 2:30 p. m., afternoon concert; 5, midweek church service, Woodland Park Baptist church; 7, WEAF; 8, WEAF; 9, Nash-Finch concert orchestra; 10:05, dance program, Dick Long's Nankin Cafe orchestra; 11:30, Eddie Dunstedter, organist.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., Trianon ensemble; 8-8:30, play, WDAF players; 8:30-9, Negro spirituals; 9-10, classical program; The Star's Radio string orchestra; Nadine Suesse, pianist; 11:45-1 a. m., program, WDAF's Plantation Grill studio.

WEBH, Chicago, Ill. (370.2m-810kc), 3-4 p. m., special features; 7, Oriole concert orchestra; 8, Florence Behrend, songster; Oriole string trio; 9-10, Dennis Sisters, Oriole orchestra; Frank Bordner; Oriole Marimba

The sprightly songs of Lorena Walcott Barker, above, are well liked by fans tuning in for WBAP, Fort Worth. This southern beauty boasts of many charming southern melodies in her repertoire.

KFRU, Columbia, Mo. (499.7m-600kc), 9-11 p. m., musical program, students and faculty.

KFUO, St. Louis, Mo. (545.1m-550kc), 9:15 p. m., musical program, senior choir, Zion Lutheran church.

KMA, Shenandoah, Iowa (252m-1190kc), 6-7 a. m., Farnham trio; 11:30-12:30, banjo solos, Charles Skinner; 6-7 p. m., music; 9-11, songs and clog dancing, Bob and Babe Riddle, Willy Cunningham, the farmer Scotchman; Tarkio college.

KMOX, St. Louis, Mo. (280.2m-1070kc), 12:30 p. m., Arthur L. Utt, organist; 3, String ensemble; operalogue, "Barber of Seville"; Mrs. Thaddeus Smith, reader; Emerson Brown, tenor; Helen McFarland, colorature soprano; 6, Arthur L. Utt, organist; 6:30, Mrs. Jacques Landree, organist; 7, David Bittner, orchestra; St. Patricks program, Mrs. Clara Thoms; 8, orchestra; readings and song; 9, orchestra; song cycle, Harriett Robinson in Negro songs; 10, orchestra.

KPRC, Houston, Texas (296.9m-1010kc), 7:30 p. m., Jack Willrich's orchestra; Virginia Willrich, piano-accordionist; Eddie Quinn, banjoist; 8:30, Temple Beth Isreal choir; 11, Queen theater orchestra.

KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., WEAF; [illegible] Hotel Statler concert orchestra; 8, WEAF.

[illegible] Varinda, Iowa (241.8m-1240kc), 7-7:15 p. m.; 7:30-9:30, Sellard's orchestra.

[illegible] Hot Springs National Park, Ark. (374.8m-800kc), 9 p. m., Irish favorites; Lon Chassy, violinist; 9:30, Irish ballads, Arthur Platz, tenor; Elizabeth Bowe, pianist; 9:50-10, Lawson Reid, organist; 10-10:15, Southerners dance orchestra.

KWWG, Brownsville, Texas (278m-1080kc), 6 p. m., Texas theater orchestra.

KYW, Chicago, Ill. (535.4m-560kc), 12:05-1 p. m., noonday concert; 1-2, luncheon concert; 6-7, dinner music; 7:30, music; 8, musical program, Congress hotel; 10-12:30, midnight revue; Paul Ash; Coon-Sanders Original Nighthawks; Henri A. Keates, organlogue; 1-2, Insomnia club.

WAMD, Minneapolis, Minn. (244m-1230kc), 12:01 p. m., classical program; 7:10, classical program; 11, Sky rocket frolic, George Osborn and his orchestra.

WBAP, Ft. Worth, Texas (475.9m-630kc), 12:05-12:30 p. m., musical program; 6-6:30, dinner music.

WBBM, Chicago, Ill. (226m-1330kc), 4-6 p. m., Harry and Sandy; Edna Wheeler Ballard, harpist; Harold Morava, lyric tenor; Johnny Black; Court Banks; Ralph Botthof; 8-10, Barber Shop three; Jack Crawford's orchestra; Verdi mixed quartet; Sy Berg and Bob Witt; Phillip Nilles, tenor; Rudy Winter; Floyd Falch; 12-2 a. m., Jack Crawford's orchestra; Charlie Garland; Two Jays; Harold Anderson, accordionist; Floyd Falch; Ariston trio.

WEMC, Berrien Springs, Mich. (285.5m-1050kc), 8:15 p. m., program in French and English.

WFAA, Dallas, Texas (475.9m-630kc), 2:30-3 p. m., Mrs. W. C. Barrickman and the Campfire girls.

WGES, Oak Park, Ill. (250m-1200kc), 5-7 p. m., twilight concert; 8-9, classical program; 11-1 a. m., Coyne serenaders.

WGN, Chicago, Ill. (302.8m-990kc), 12:40-2:30 p. m., concert, Drake ensemble, Blackstone string quintet; 2:30-3, Lyon and Healy artists; 3-3:30, Auction Bridge game; 3:30-4:15, Tea Time music, Marshall Field tea room orchestra; 4:30-5, organ recital, Edward Benedict; 6:30-7, Drake concert ensemble, Blackstone string quintet, old-time favorites; 8-9, studio program; 9-10, WEAF; 10-10:10, Sam 'n' Henry; 10:10-10:20, old-time favorites; the Playshop; 10:40-11, popular program.

WHAD, Milwaukee, Wis. (275m-1090kc), 6:15-7 p. m., organ recital, Arthur Richter; 10:30-11:30, dance hits, Wisconsin Roof orchestra; 11:30-12:30 a. m., request organ recital, Edmund Fitch, organist.

WHAS, Louisville, Ky. (399.8m-750kc), 1-2 p. m., concert, Barney Rapp's orchestra; 3:30-4, music; 4-5, Six Collegians; Evelyn Bush Pence, Maryland Calvert, Madonna Tallerday, Mildred Goethe, Katherine Altes, Caroline Hubbard; concert; 7:30-9, concert, Optimist club.

WHB, Kansas City, Mo. (365.6m-820kc), 2-3 p. m., Morrill Moore, organist; Don Anchors, poet; 7-8, Milo Finley trio; mandolin, guitar duets; popular songs.

WHO, Des Moines, Iowa (526m-570kc), 2:15 p. m., Camp Fire Girls' credo; 6-7, Bankers Life Little symphonic orchestra; 7:15-8:15, Irene Dorans' Little symphony orchestra; 8:15-9, Agnes Flannery, pianist; Four Musketeers; 9-12 midnight, dance programs.

WHT, Chicago, Ill. (399.8m-750kc), 12 m., Al Carney's complimentary organ recital; 6-7:30, Genevieve B. Burnham, soprano; Peter Forstner; Howard Will, tenor; Grayling's string trio; Helen Rauh, pianist; 7:15-9:15, Cinderella Cafe orchestra; 9:30, Al Carney and Pat Barnes; 10:05, Ray-O-Vac concert; 11:15, Cinderella Cafe orchestra, 11:30, Pat Barnes and Al Carney; 12, Pat Barnes and Al Carney.

WJJD, Mooseheart, Ill, (370.2m-810kc), 2-3 p. m., Howard L. Peterson, organist; 4-5, music, children; 5:30, Jack Nelson; Palmer House symphonic players; Howard L. Peterson, organist; Palmer House Victorians; 6:40, Billy Van; 8-9, music, children; 10-11, R. V. Thomas; John Norton; Palmer House Victorians; 12:30 a. m., "Settin' Up" hour.

WKAF, Milwaukee, Wis. (261m-1150kc), 10-11 p. m., band; 11-12:30 a. m., Oriole dance orchestra; songs, Irene Beasley; songs, Florence Behrend; Dennis Sisters; Oriole dance orchestra.

WFAA, Dallas, Texas (475.9m-630kc), 2:30-3 p. m., Mrs. W. C. Barrickman and the Campfire girls.

WGES, Oak Park, Ill. (250m-1200kc), 5-7 p. m., twilight concert; 8-9, classical program; 11-1 a. m., Coyne serenaders.

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WJJD, Mooseheart, Ill, (370.2m-810kc), 2-3 p. m., Howard L. Peterson, organist; 4-5, music, children; 5:30, Jack Nelson; Palmer House symphonic players; Howard L. Peterson, organist; Palmer House Victorians; 6:40, Billy Van; 8-9, music, children; 10-11, R. V. Thomas; John Norton; Palmer House Victorians; 12:30 a. m., "Settin' Up" hour.

WKAF, Milwaukee, Wis. (261m-1150kc), 10-11 p. m., Campus Skylarks; Dammann ladies' trio; Michael Flynn, Irish melodies.

WKRC, Cincinnati, Ohio (325.9m-920kc), 6 p. m., Alvin Roehr and his Hotel Alms orchestra; 8:15, Oliver Plunkett, tenor; 9, concert orchestra; 9:40, orchestra music.

WLIB, Chicago, Ill. (302.8m-990kc), 7-7:30 p. m., Uncle Walt's Punch and Judy show; 7:30-7:30, Auld Sandy; 7:30-8, WEAF; 11-11:20, Correll and Gosden; 11:20-1, dance music; Correll and Gosden.

WLS, Chicago, Ill. (344.6m-870kc), 12 m., Ford and Glenn; 6 p. m., Ford and Glenn; 6:40, Ralph Emerson, organist; 7, Ford and Glenn; 7:15, WLS trio, "Songs of Ireland," Olive O'Neil, soprano; 7:45, Grace and Ralph; 8, "Home Fires," WLS Radio play contest; 8:30, George Goforth band production; 9, Chicago concert company; 9:40, Alice LeTarte, pianist; Tony Corcoran, baritone; 10, Ford and Glenn; 11-2 a. m., WLS circus with George Goforth band.

WLW, Cincinnati, Ohio (422.3m-710kc), 6-10 p. m., St. Patrick's Day celebration, banquet of the Irish Fellowship club, Hotel Gibson Roof Garden; 10, an hour in the shadow of the Shamrock, musical program featuring WLW instrumental trio; 10:50, tenor solos, Ed. Lush; 11, organ recital, Johanna Grosse; 11:15, Maids of Melody, Grace Donaldson and Hortense Rhodes; 11:30, Don Bestors orchestra; 11:45, Johanna Grosse.

WMAQ, Chicago, Ill. (447.5m-670kc), 1 p. m., Chicago association of commerce luncheon; 2, Shut-in program; 4:45, pupils, Starret school; 5:15, Georgene Faulkner, the story lady; 6, Chicago theater organ; 6:30, Hotel LaSalle orchestra; 8:25, program; Mr. and Mrs. Tregillus; 8:55, WMAQ players; 9:55, chimes.

WMBB, Chicago, Ill. (250m-1200kc), 7-8 p. m., Eleanor Kaplan, violinist; Veronica Krebs, contralto; Edwin House, bass; Preston Graves, pianist; 9-11, Trianon orchestra; Woodlawn theater orchestra; Walter Kip, Billie Allen Hoff; Ted Graham, baritone; Bob Bennett, pianist.

WOAI, San Antonio, Texas (394.5m-760kc), 3 p. m., Radio Trades association, concert; 8:30, Army night.

WOC, Davenport, Ia. (483.6m-620kc), 4-4:15, p. m., musical program; Paul Vipperman, tenor; Frances Armil, pianist; John Drier, zither harpist; 5:45-6, chimes concert; 7-7:30, musical program, WEAF; 9-9:30, Erwin Swindell, organist; 9:30-10:30, musical program.

WOI, Ames, Iowa (270m-1110kc), 12:30 p. m., college chimes; 7:30, quartet.

WOK, Chicago, Ill. (217.3m-1300kc), 4:30-7 p. m., Capitol theater organ; program; 10-1:30, Tearney town club orchestra; Carl Lorraine's Pershing Palace orchestra; Husk O'Hare's Cocoanut Grove orchestra, Capitol theater program; program.

WOO, Philadelphia, Pa. (508.2m-590kc), 11 a. m., organ recital; 12:02 p. m., Golden's crystal tea room orchestra; 4:45, organ recital; 7:30, Sylvania dance orchestra; 8:30, Davis' Saxophone octet; 10, Fox theater studio program; 10:30, Ritz Carlton dance orchestra.

WORD, Batavia, Ill. (275m-1090kc), 7 p. m., program; 9, Webster trio; I. B. S. A. choral singers; 11, program.

WOS, Jefferson City, Mo. (440.9m-680kc), 8:15-10 p. m., program, Clara Holtschneider; LeRoy H. Kelsey, original poems.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., dinner concert, Jack Chapman and his Rainbo Gardens orchestra; Christian Grimm, pianist; Jean St. Anne, baritone; Jessie Pringle, soprano; Agnes Pringle, violinist; 10-1 a. m., Jack Chapman and his Rainbo Skylarks; Melodians; Clarence Theders, tenor; Joe Warner, character songs; Oxford Girls, Harmony singers; Gail Bandell, Sunshine Girl, 1-2, Ginger hour, Jack Chapman, Ginger Man and Little Skylarks.

WSAI, Cincinnati, Ohio (325.9m-920kc), 7 p. m., WEAF; 7:30, WEAF; 10:15, musical program, Flaying Card string quartet.

WSB, Atlanta, Ga. (428.3m-700kc), 10:45 p. m., Biltmore hotel orchestra.

WSM, Nashville, Tenn. (282.8m-1060kc), 8:30 p. m., concert, Francis Craig's orchestra; 8, Mrs. Barton Brown, contralto and artists; 10, Boston serenaders.

Mountain Time Stations

KFWA, Ogden, Utah (261m-1150kc), 1:5 p. m., organ recital, Paramount theater; 5:6, Radio dealers program; 9-10:30, music, Paramount theater; 10:30-12, Ollie Reeves and his orchestra, Berthana Ball room.

KOA, Denver, Colo. (322.4m-930kc), 12:15 p. m., Marjorie Nash, organist; 6:30, dinner concert, Brown Palace string orchestra; 8, instrumental program; 8:15, studio program; 10, dance program, Broadmoor Rhythm Rustlers.

NEWS BULLETINS

Daily Except Sunday

Eastern	Central	Mountain	Pacific
9:45 a. m.	8:45 a. m.	7:45 a. m.	6:45 a. m.
KDKA (309.1m-970kc).			
10	9	8	7
WGN (302.8m-990kc).			
10:35	9:35	8:35	7:35
WCCO (416.4m-720kc).			
11	10	9	8
WOAI (394.5m-760kc).			
12 n.	11	10	9
CFCA (356.9m-840kc); KDKA (309.1m-970kc); KPRC (296.9m-1010kc).			
12:30 p. m.	11:30	10:30	9:30
WCAE (461.3m-650kc).			
1	12 n.	11	10
KGW (491.5m-610kc); KNX (336.9m-890kc).			
1:15	12:15 p. m.	11:15	10:15
WOAI (394.5m-760kc).			
3:45	2:45	1:45 p. m.	12:45 p. m.
WHAS (399.8m-750kc).			
4	3	2	1
WCX (516.9m-580kc).			
4:30	3:30	2:30	1:30
WCAE (461.3m-650kc); WFAA (475.9m-630kc).			
6	5	4	3
CFCA (356.9m-840kc).			
6:30	5:30	4:30	3:30
WPG (299.8m-1000kc).			
7	6	5	4
KOIL (278m-1080kc); WOC (483.6m-620kc).			
7:15	6:15	5:15	4:15
WMAK (265.6m-1130kc); WOAI (394.5m-760kc).			
8	7	6	5
WMBF (384.4m-780kc); WMCA (340.7m-880kc).			
9	8	7	6
WSAI (325.9m-920kc).			
9:30	8:30	7:30	6:30
KPO (428.3m-700kc).			
10	9	8	7
KLX (508.2m-590kc).			
10:45	9:45	8:45	7:45
WEBH (370.2m-810kc).			

Sunday

Eastern	Central	Mountain	Pacific
8 p. m.	7 p. m.	6 p. m.	5 p. m.
WMAK (265.6m-1130kc).			
8:15	7:15	6:15	5:15
WEBH (370.2m-810kc).			
9	8	7	6
WPG (299.8m-1000kc).			
12	11	10	9
KFWB (252m-1190kc).			

KYW, "The World Crier," broadcasts news every half hour from 8 a. m. to 2 a. m.

KGW BEGINS VAUDEVILLE FEATURE

Wednesday, March 17

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-640kc), 5:30-6 p. m., Jim, Jack and Jean trio; 6, Nightly Doings; 6:30, vest pocket program; 6:45, Radiotorial period; 7-7:30, program, A. H. Grebe and company, Synchrophase string ensemble; 7:30-8, Nick Harris' detective story; 8-9, program, Ventura Refining company; 9-10, popular program, Chevrolet Motor company; 10-11, Owen Fallon's Californians; Jackie Lucas, soloist.

KFOA, Seattle, Wash. (454.3m-660kc), 12:30-1:30 p. m., luncheon program; 7-8:15, Hopper Kelly company studio program. 8:30-10, Times program.

KFON, Long Beach, Calif. (232.4m-1280kc), 6-6:30 p. m., Brayton's theater organ; 6:30-7, amusement information; 7-8, Investor's hour with entertainment. 8-9, Press-Telegram studio; 9-10, program, Sara Abrams, the tailor; 10-11, Oriole dance orchestra.

KFWB, Hollywood, Calif. (252m-1190kc), 5-6 p. m., Big Brother's children's hour; 6-7, dinner music, Fitzgerald Music company; 8-9:30, Bill Hatch's Oakmont Country club dance orchestra; 9:30-10, Mutual Motors joke contest; 10-11, Warner Brothers' frolic.

KGO, Oakland, Calif. (361.2m-830kc), 11:30-1 p. m., luncheon concert; 4-5:30, Hotel St. Francis concert orchestra; 6-6:55, Brokaw and orchestra.

KGW, Portland, Ore. (491.5m-610kc), 12:30-1:30 p. m., concert, First National bank and the Security Savings and Trust company; 6-7, concert, Olds, Wortman & Kings company; 8-9, 7th United States Infantry band; 9-10, vocal and instrumental music; 10-11, concert, Sherman, Clay & Company Duo art-studio

KHJ, Los Angeles, Calif. (405.2m-740kc), 8:15-10:30 p. m., program, Southern California Edison company; Mildred Ware, contralto; Nicholas Hearne, Jr., pianist; Optimist male quartet; Frederick Mac Murray, viola; Carolyn Le Fevre, violinist; Monrovia trio; 10:30-11:30, Don Clark's Biltmore hotel dance orchestra.

KJR, Seattle, Wash. (389.4m-780kc), 7-8:30 p. m., Sears-Roebuck and company program; Bab's Lady orchestra; 8:30-10, Post Intelligencer studio program.

KLX, Oakland, Calif. (508.2m-590kc), 8-9:45 p. m., studio program; 9:45-10:30, Athens Athletic club orchestra.

KMTR, Hollywood, Calif. (238m-1260kc), 8-10 p. m., KMTR concert orchestra, Loren Powell, director; Dan Gridley, tenor; 10-11, Starr Piano company studio.

KNX, Hollywood, Calif. (336.9m-890kc), 5:30 p. m., Leighton's cafeteria orchestra; 6:30-7, Atwater Kent orchestra; 7-8, studio program; 8-9, program, Security Trust and Savings bank; 9-10, program, Joe Daley's 165 grocery stores; 10-11, dance music; 11-12 midnight, Ambassador hotel dance orchestra.

KOAC, Corvallis, Ore. (280.2m-1070kc), 7:30 p. m., musical selections.

KTAB, Oakland, Calif. (240m-1250kc), 9-9:30 a. m., prayer service; 12-1 p. m., luncheon concert; 8-10, program, Western States Life Insurance company.

KWSC, Pullman, Wash. (348.6m-860kc), 7:30 p. m., Oakesdale special program.

Thursday, March 18

Headliners Today

Eastern	Central	Mountain	Pacific
8 p. m.	7 p. m.	6 p. m.	5 p. m.

WBZ (333.1m-900kc) Holyoke hour, Falco band.

WSB (428.3m-700kc) Rich's Glee and Mandolin club.

8:15	7:15	6:15	5:15

WIP (508.2m-590kc) American Legion night.

9	8	7	6

KDKA (309.1m-970kc) Polyphonic choir.

WBZ (333.1m-900kc) Irish music.

WHB (365.6m-820kc) "College Days," musical skit.

9:30	8:30	7:30	6:30

KPRC (296.9m-1010kc) Top o' Houston concert.

10	9	8	7

WGY (379.5m-790kc) Fishing talk.

10:15	9:15	8:15	7:15

WJZ (454.3m-660kc), WRC (468.5m-640kc), Record Boys.

10:30	9:30	8:30	7:30

WBAP (457.9m-630kc) Popular tunes.

12	11	10	9

KPO (428.3m-700kc) Avon string quintet.

KGW (491.5m-610kc) Vaudeville.

Thursday, silent night for: CHIC, CKNC, CNRA, CNRE, CNRO, CNRR, CNRT, CNRV, CNRW, KFAB, KFAU, KFDM, KFEQ, KFMX, KFOA, KFUO, KFVE, KFWA, KGW, KLX, KMOX, KOA, KOAC, KOB, KWSC, PWX, WABQ, WAFD, WAHG, WCAP, WCEE, WDOD, WEAO, WEBJ, WEBW, WEMC, WHAD, WHAZ, WJJD, WOR, WOS, WSM, WSUI, WTAM.

Eastern Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 12:20 p. m., Lenten service; 6:30, dinner concert; 9, concert, Polyphonic choir; 11, Post revue.

WAHG, Richmond Hill, N. Y. (315.6m-950kc), 12 noon, Lenten services; 12:45 p. m., Grebe matinee trio.

WBAL, Baltimore, Md. (246m-1220kc), 6:30-7:30 p. m., WBAL dinner orchestra; 7-30-8, recital, Peabody Conservatory of music; Frederick D. Weaver, organist; 8-1, Ada Clark Webster, soprano; John Hedeman, baritone; Ruth Schumacher, contralto; Ruth Hutzler, pianist; Katherine Whitelock, violinist.

WBBR, New York, N. Y. (272.6m-1100kc), 8 p. m., violin choir; Alice Merrell, soprano.

WBZ, Springfield, Mass. (333.1m-900kc), 6:30 p. m., Hotel Kimball orchestra; 7:30, Mrs. Louisa Clifford, soprano; Mrs. Phillip Eaton, accompanist; 7:45, M. A. C. Radio forum; 8, musical program, Leo Reisman's orchestra; 9, Helen Wheeler, mezzo-soprano; Melvin Fox, baritone; 9:30, organ recital, Adrian Salesses; 10:15, Edwin McEnelly and his orchestra.

WCAE, Pittsburgh, Pa. (461.2m-650kc), 4:30 p. m., Sunshine girl; 6:30, dinner concert, William Penn hotel; 8, WEAF; 8:30, Hires Harvesters; 9, Clicquot club Eskimos; 10, concert, Silvertown Cord orchestra.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:30, Cathay Tea Garden dance orchestra; 7:30, Snellenburg Symphony orchestra; 8, The Mitchell Gondoliers; 8:15, Elizabeth Lapetina, coloraturo soprano; 8:45, the Kandy Kids; 9, Barry O'Moore, Irish tenor; 10, Sesqui Centennial hour; 11, Parodians dance orchestra; 11:30, Club Cadix revue.

WCX, Detroit, Mich. (516.9m-580kc), 6-7, p. m., dinner program, Goldkette ensemble; 8-9, studio program.

WEAF, New York, N. Y. (491.5m-610kc), 4 p. m., Adolph Denson, baritone; 4:15, Evelyn Grieg, dulcitone; 4:30, Beatrice Schwab, soprano; 5, Vincent Lopez and his orchestra from Ritz-Carlton hotel; 6, dinner music, Hotel Waldorf-Astoria; 7, mid-week hymn sing; 7:30, Smith Brothers; 8, Larkinites; 8:30, Hire's Harvesters; 9, Clicquot Club Eskimos; chain stations; 10, Silvertown Cord orchestra, to chain; 11, Vincent Lopez and orchestra.

WEAO, Columbus, Ohio (293.9m-1020kc), 8:15 p. m., music; 10, Hotel Fort Hayes hour of music.

WEAR, Cleveland, Ohio (389.4m-770kc), 7 p. m., Hotel Statler concert orchestra; 8, WEAF; 8:30, program, Workrite Radio artists; 9, WEAF; 10, Vincent Percy, organist.

WEEI, Boston, Mass. (348.6m-860kc), 12:15 a. m., Lenten services, B. F. Keith's theater; 3:45 p. m., Eliot Daniel, pianist; 4:50, Lena Yorke, violinist; Ida Brown, accompanist; 5:30, Harry Marshad and his orchestra; 6:05, Harry Marshad and orchestra; 7:30, Marcia West Whitten, mezzo contralto; Marion Goodrich, accompanist; 8-10, WEAF.

WFI, Philadelphia, Pa. (394.5m-760kc), 1 p. m., Tea Room ensemble; 6:30, Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra; 8, Larkinites; 8:30, Hires' Harvesters; 9, Clicquot Club Eskimos; 10, Silvertown Cord orchestra.

WGBS, New York, N. Y. (315.6m-950kc), 6 p. m., Uncle Geebee; 9, Crystal Palace orchestra; 10:10, Mac and Lenniem, songs; 10:30, Vanderbilt hotel orchestra.

WGCP, New York, N. Y. (252m-1190kc), 3 p. m., Norman Secon, pianist; 3:30-5:30, studio program; orchestra; 2, Arcadia cafe concert orchestra; 4:30, recital; 7:30, Dream Daddy's bedtime stories.

WLWL, New York, N. Y. (288.3m-1040kc), 9:15 p. m., songs; 10, music; 10:15, study club; 10:30, entertainment.

WMAK, Buffalo, N. Y. (266m-1130kc), 6:15-7:15 p. m., dinner music.

WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Olcott Vail and his Hotel McAlpin string ensemble; 6:30, Parody orchestra; 7, Jack Denny's orchestra; 7:30, Twin Oaks orchestra; 7:45, Arthur West Sirens; 8, Snedden Weir, baritone; 10:15, McAlpin News Editor; 10:30, Tango Palace orchestra; 11, Ernie Golden and his Hotel McAlpin orchestra; 12 midnight, McAlpin entertainers.

WNYC, New York, N. Y. (526m-570kc), 7:10 p. m., piano selections; 8 p. m., piano recital; 8:30, violin recital; 9, song recital; 9:30, banjo duets; 10, songs.

WOO, Philadelphia, Pa. (508.2m-590kc), 11 a. m., organ recital; 12:02 p. m., Golden's crystal tea room orchestra; 4:45, organ recital; 7:30, Adelphia dinner dance orchestra.

WOR, Newark, N. J. (405.2m-740kc), 6:30-7:15 p. m., Jacques Jacobs' Hotel Shelton ensemble.

WPG, Atlantic City, N. J. (299.8m-1000kc), 6:45 p. m., organ recital, Arthur Scott Brook; 7, Hotel Ambassador dinner music; 8:15, concert; 10, Atlantic City Estates' dance orchestra; 11, Silver Slipper supper club.

WRC, Washington, D. C. (468.5m-640kc), 1 p. m., Hotel Mayflower orchestra; 7, New Willard hotel orchestra; 8:30, Radio-movie presentation; 9, Royal Salon orchestra; 10:15, "The Record Boys;" 10:45, Meyer Davis' Le Paradis band.

WTAG, Worcester, Mass. (268m-1120kc), 10:30 a. m., musical selections; 12:05-2 p. m., noonday luncheon music; 4:30, entertainment; 8-8:30, WEAF; 9-10, WEAF; 10-11, WEAF.

WTIC, Hartford, Conn. (475.9m-630kc), 6:50 p. m., Hotel Bond trio.

WWJ, Detroit, Mich. (352.7m-850kc), 12:05 p. m., Jules Klein's Hotel Statler orchestra; 3, Detroit News orchestra; 6, dinner concert; 8, WEAF.

Central Time Stations

KFKU, Lawrence, Kan. (275m-1090kc), 7:15 p. m., Louise Miller, soprano; Irene Peabody, soprano; Eugene Christy, tenor; W. B. Downing, baritone.

KFRU, Columbia, Mo. (499.7m-600kc), 6:15 p. m., dinner music; 7, playlet.

KLDS, Independence, Mo. (441m-680kc), 8 p. m., music appreciation lecture, Prof. Arthur H. Mills; 8:15, Francis Heiser, tenor.

KMA, Shenandoah, Iowa (252m-1190kc), 6-7 a. m., Jack Todd's solos; 11:30-12:30, Farnham trio; May's Flower Lady, Lina Ferguson; 2 p. m., May's Flower Lady, Lina Ferguson; 9-11, Delmonico Dreamers' orchestra.

KMOX, St. Louis, Mo. (280.2m-1070kc), 12:30 p. m., Arthur L. Utt, organist; 3, String ensemble, soloists.

KPRC, Houston, Texas (296.9m-1010kc), 7:30 p. m., Blanchard's dance orchestra; 8:30 Top O'Houston concert.

KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., WEAF; 7:30, Esmeralda Berry Mayes, pianist; 8, WEAF; 9, WEAF.

KSO, Clarinda, Iowa (241.8m-1240kc), 7-8 p. m., Baker and Anderson; 8-9:30, J. D. Mosbarger, Grant City, Mo.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9-9:30 p. m., classical concert, Eastman hotel orchestra; 9:30-10, sacred program, Central Methodist church; 10-10:30, New Arlington hotel dance orchestra.

KWWG, Brownsville, Texas (278m-1080kc), 6 p. m., Roy Garcia, violinist; 8:30, Choral club, Texas State Teachers college.

KYW, Chicago, Ill. (535.4m-560kc), 12:05-1 p. m., noonday concert, Commonwealth Edison company; 1-2, luncheon concert, Congress hotel; 4, afternoon frolic; 6-7, dinner music; 9, music hour; 10-12, evening at home; Coon-Sanders Original Nighthawks; 1-2 a. m., Insomnia club.

WAMD, Minneapolis, Minn. (244m-1230kc), 12:15 p. m., Twin City Hoo-Hoo club banquet and luncheon; 6:15, dinner concert, George Osborn and his orchestra; 7:10, special musical program.

WBAP, Ft. Worth, Texas (475.9m-630kc), 12:05-12:30 p. m., Ward's "Trail Blazers;" 6-6:30, dinner music; 7:30-8:30, concert of vocal and piano numbers; 9:30-11, Henslee and Simons, popular tunes; Sybyl Wray, accompanist; 11, varied program.

WBBM, Chicago, Ill. (226m-1330kc), 4-6 p. m., Sandy and Harry; William Dalton, baritone; Irene Beasley; Sidney Nireman; Russell Meyers; Jack Penewell and Freddy Palmiter; 8-10, Barber Shop three; Jack Crawford's orchestra; Ziegler sisters; Ariston trio; Two Jays; Charlie Garland; Maurice Silverman; Pauline Stiffler Atlass, violinist; Floyd Falch; 10-12 midnight, Harry and Sandy; Moulin Rouge orchestra; Harry Bralisford, mandolinist; Pearl Jarret, pianologue; Fred Jacobson; stars, Moulin Rouge cafe.

WCAL, Northfield, Minn. (336.9m-890kc), 7 p. m., Norwegian Lutheran church.

WCBD, Zion, Ill. (344.6m-870kc), 8 p. m., Zion orchestra, male quartet; Florence Hill, soprano; Mildred Donovan, contralto; Ralph Bull and E. Paxton, duetists; John Thomas, baritone.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 12 noon, concert, Donaldson's orchestra; 2 p. m., among the musicians; 7, WEAF; 7:30, musical program; 8, WEAF; 10:20, Marigold Gardens dance orchestra.

WDAF, Kansas City, Mo. (365.6m-820kc), 3:30-4:30 p. m., The Star's string orchestra; 6-7, Trianon ensemble; 11:45-1 a. m., Ted Weem's Victor Recording orchestra; Ted Meyn, organist; Billy Adair's orchestra.

WEBH, Chicago, Ill. (370.2m-810kc), 3-4 p. m., musical bits, Uptown theater; 7-8, special recital; 9-9:45, Oriole dance orchestra; 11-12:30 a. m., Oriole dance orchestra, artists.

WFAA, Dallas, Texas (475.9m-630kc), 4:30-5 p. m., MacDowell Sisters; 6:30-7:30, Baker hotel orchestra; 8:30-9:30, Mrs. LaRue Nelson.

WGES, Oak Park, Ill. (250m-1200kc), 5-7 p. m., twilight concert; 8-9, orchestra; 11-1, Evans Lloyd, composer.

WGN, Chicago, Ill. (302.8m-990kc), 12:40-2:30 p. m., Drake concert ensemble, Blackstone string quintet; 2:30-3, Lyon and Healy artists; 3:30-4:15, Tea Time music, Marshall Field's tea room orchestra; 4:30-5, organ recital, Edward Benedict; 6:30-6:45, Drake concert ensemble, Blackstone string quintet; 6:45-7, old-time favorites; 8-9, WEAF; 9-10, WEAF; 10-10:10, Sam 'n' Henry; 10:20-10:40, the playshop; 10:40-11, popular program.

WGST, Atlanta, Ga. (270m-1110kc), 7-8 p. m., Mrs. G. E. Cooper, contralto.

WHAD, Milwaukee, Wis. (275m-1090kc), 6:15-7 p. m., Bill Benning's Milwaukee Athletic club orchestra; 10:30, popular orchestra selections.

WHAS, Louisville, Ky. (399.8m-750kc), 1-2 p. m., concert, Benson trio; 3:30-4, special music; 4-5, concert; 7:30-9, concert.

WHB, Kansas City, Mo. (365.6m-820kc), 7-7:30 p. m., dinner hour, organ concert, Morrill Moore; 8-9, R. C. Hopkins, contralto; Louis Downey, tenor; Gaily King, soprano; Josephine and Louise Maxwell, cornetists; "College Days," musical playlet; 9-9:30, quartet; 9:30-10, ukulele songsters, Harry Taylor and Sam Martin.

WHO, Des Moines, Iowa (526m-570kc), 7:30-8 p. m., Raleigh quintet; 8-9, Bankers Life trio; 11-12 noon, Bankers Life Corn Sugar orchestra.

WHT, Chicago, Ill. (399.8m-750kc), 12 m., Al Carney's complimentary organ recital; 6, dinner organ recital, Al Carney; 6:30, Hugh Aspinwall, tenor; Grayling's string trio; 6:45, Swedish program; 9:15, Cinderella Cafe orchestra; 9:30, Kitchen Klenzer Klassics; 9:50, Jack Turner, singer; Jack Marshall, pianist; 10:10, U. S. L. entertainers; male quartet; 11:30, Pat Barnes and Al Carney; 12, Pat Barnes and Al Carney.

WJJD, Mooseheart, Ill. (370.2m-810kc), 2-3 p. m., Howard L. Peterson, organist; 4-5, music, children; 5:30-7, Jack Nelson; Palmer House symphonic players; Howard L. Peterson, organist; Palmer House Victorians; Salvation Army band; 12:30 a. m., Palmer House Victorians; Jack Nelson.

WKAF, Milwaukee, Wis. (261m-1150kc), 8:30-10 p. m., Trixie Ann Troy and her Royal Hawaiians; Arthur Hershein, Italian character study.

WKRC, Cincinnati, Ohio (325.9m-920kc), 10 p. m., Eugene Perazzo, organist; 10:30, Swiss Garden program; 11, popular songs; 11:15, Marion McKay and his orchestra.

WLIB, Chicago, Ill. (302.8m-990kc), 7-7:20 p. m., Uncle Walt's Punch and Judy show; 7:20-7:30, Correll and Gosden; 7:30-8, WEAF; 11-11:20, Correll and Gosden; 11:20-1, dance music; Correll and Gosden.

WLS, Chicago, Ill. (344.6m-870kc), 12 m., WLS trio; 6 p. m., WLS trio; 6:40, Ralph Emerson, organist; 7, Ford and Glenn; 7:15, WLS staff concert; 7:55, Koby and Sirinsky, violinist; Goldie Gross, cellist; Doris Wittich, pianist.

WLW, Cincinnati, Ohio (422.3m-710kc), 4 p. m., piano recital, Adelaide Apfel; 6:15, musical handshakes, Bob Groenke and Jim Mischler, the original Crosley Hello Boys; 7, Hotel Gibson orchestra; 9, Ohio high school band; 9:45, songs, Marguerite Bental, contralto; 10:03, popular concert, Doherty Melody boys; 11, "The Boys from Home," Ray West and Gordon Buchanan; 11:30, Don Bestors dance orchestra; 12:15 midnight, Night Howls, Crosley Sky Terriers.

WMAQ, Chicago, Ill. (447.5m-670kc), 2 p. m., Shut-in program; 4:45, pupils, Maclean college; 6, Chicago theater organ; 6:30, Hotel La Salle orchestra; 9:30, Mrs. Clara Scheville, soprano.

WMBB, Chicago, Ill. (250m-1200kc), 7-8 p. m., Hungarian music; 9-11, Trianon orchestra; Woodlawn theater orchestra; Scotty Welsh, Madison Sisters; Golden Harmony trio; Lucille O'Hara, soprano; Tommie Hughes, baritone.

WMC, Memphis, Tenn. (499.7m-600kc), 8:45 p. m., Cortese ensemble.

WOAI, San Antonio, Texas (394.5m-760kc), 8:30 p. m., Mistletoe Melody Maids.

WOAW, Omaha, Nebr. (526m-570kc), 12:45 p. m., Gilbert Jaffy and his orchestra; 4:15, Adams' orchestra; 6, Dorothy Chenoweth Lowden, harpist; E. M. Mills, trumpeter; 6:20, Manna Kea trio; 6:50, Randall's Royal Fontenelle orchestra; 12 midnight, Roseland Radio Frolic.

WOC, Davenport, Iowa (483.6m-620kc), 5:45-6 p. m., chimes concert; 7-7:30, musical program, WEAF; 7:30-8, musical program; "The Moline Plow Boys;" 8-9, WEAF; 9-10, WEAF; 11-12, orchestra program, Le Claire hotel orchestra; Peter MacArthur, baritone.

WOI, Ames, Iowa (270m-1110kc), 12:30 p. m., college chimes; 7:50, Ames high school orchestra.

WOK, Chicago, Ill. (217.3m-1300kc), 4:30-7 p. m., Capitol theater organ; program; 10-1:30, Tearney's town club orchestra; Carl Lorraine's Pershing Palace orchestra; Husk O'Hare's Cocoanut Grove orchestra; Capitol theater program; program.

WORD, Batavia, Ill. (275m-1090kc), 8 p. m., Webster hotel concert trio; 8:30, Cosmopolitan school of music program.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Boston

EDUCATIONAL FEATURES

Saturday, March 13

Eastern	Central	Mountain	Pacific
7:30 p. m.	6:30 p. m.	5:30 p. m.	4:30 p. m.

WHAR (275m-1090kc) Lecture period

8:15	7:15	6:15	5:15

KOIL (278m-1080kc) Educational period, University of Omaha.

10:10	9:10	8:10	7:10

WNYC (526m-570kc) Board of Education talk.

Monday, March 15

Eastern	Central	Mountain	Pacific
6:30 p. m.	5:30 p. m.	4:30 p. m.	3:30 p. m.

WNYC (526m-570kc) German lesson.

7	6	5	4

WEAF (491.5m-610kc) Columbia university lecture.

WNYC (526m-570kc) Advanced German lesson.

7:30	6:30	5:30	4:30

WEAO (293.9m-1020kc) "Mining Engineering," Prof. H. E. Nold.

8	7	6	5

KFKU (275m-1090kc) "Capital Savings in 1925," Prof. J. W. Strenberg.

8:15	7:15	6:15	5:15

KDKA (309.1m-970kc) University of Pittsburgh address.

WSUI (483.6m-620kc) College of the Air.

8:40	7:40	6:40	5:40

KFKU (275m-1090kc) "How Earth History is Recorded," Dr. R. C. Moore.

9:30	8:30	7:30	6:30

WHAZ (379.5m-790kc) Address, Dr. Matthew A. Hunter.

9:35	8:35	7:35	6:35

KSL (299.8m-1000kc) Mineralogy and Metallurgy.

10	9	8	7

KOA (322.4m-930kc) Spanish lesson.

10:30	9:30	8:30	7:30

KWSC (348.6m-860kc) Chemistry in the Service of Man, Prof. J. L. Culbertson.

11	10	9	8

KOA (322.4m-930kc) Voice culture.

11:50	10:50	9:50	8:50

KGO (361.2m-830kc) "Better English," Wilda Wilson Church; "The New and Old in the Reconstruction," Dr. Willard Smith.

12:15	11:15	10:15	9:15

KGO (361m-830kc) Character training in the home.

Tuesday, March 16

Eastern	Central	Mountain	Pacific
5 p. m.	4 p. m.	3 p. m.	2 p. m.

WLW (422.3m-710kc) French Lesson, Madame Ida Tcimpidis.

7	6	5	4

WKAR (285.5m-1050kc) Nature study.

WLW (422.3m-710kc) Historical appreciation of music, Etelka Evans.

7:10	6:10	5:10	4:10

WEAF (491.5m-610kc) French course.

WRC (468.5m-640kc) Radio school of international relations.

7:30	6:30	5:30	4:30

KSAC (340.7m-880kc) Better speech, etiquette, economics.

WBZ (333.1m-900kc) Educational Course, Edw. E. Whiting.

WGY (379.5m-790kc) "Organic Evolution," Prof. James W. Mavor.

7:45	6:45	5:45	4:45

WTAG (268m-1120kc) Wochester Tech's Professor.

8:15	7:15	6:15	5:15

KDKA (309.1m-970kc) "How the School Affects Character," Prof. Albert J. Murphy.

8:20	7:20	6:20	5:20

WLW (422.3m-710kc) Crosley science lecture, George Parker.

9:15	8:15	7:15	6:15

WMCA (340.7m-880kc) Palmer pen lesson.

10	9	8	7

KFAU (280m-1070kc) Public speaking lesson, Rev. Cunningham.

WMAQ (447.5m-670kc) lecture, University of Chicago.

WOC (483.6m-620kc) Travel lecture, "Around the World in Eight Months in Eight Nights," B. J. Palmer.

Wednesday, March 17

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.

KGO (361.2m-830kc) Speaker from Williams institute.

Eastern	Central	Mountain	Pacific
6:30 p. m.	5:30 p. m.	4:30 p. m.	3:30 p. m.

WNYC (526m-570kc) Spanish lesson, V. H. Berlitz.

7	6	5	4

WNYC (526m-570kc) Advanced Spanish lesson.

7:30	6:30	5:30	4:30

WBZ (333.1m-900kc) Radio nature league, Thornton W. Burgess.

WEAO (293.9m-1020kc) Mining Engineering, Prof. R. E. Nold.

Eastern	Central	Mountain	Pacific
7:40 p. m.	6:40 p. m.	5:40 p. m.	4:40 p. m.

WTAG (268m-1120kc) Spanish lesson, Mrs. John de la Parra.

7:45	6:45	5:45	4:45

WJZ (454.3m-660kc) New York University.

8	7	6	5

WEAO (293.9m-1020kc) "Illumination," Prof. F. C. Caldwell.

WMCA (340.7m-880kc) Spanish lesson, Prof. Cortina.

8:20	7:20	6:20	5:20

WMCA (340.7m-880kc) Talk on securities.

8:30	7:30	6:30	5:30

WSUI (483.6m-620kc) College of the Air.

9	8	7	6

WMAQ (447.5m-670kc) lecture, Northwestern university.

Thursday, March 18

Eastern	Central	Mountain	Pacific
7 p. m.	6 p. m.	5 p. m.	4 p. m.

WKAR (285.5m-1050kc) Nature Study series.

7:30	6:30	5:30	5:30

KSAC (340.7m-880kc) Music, educational psychology.

8	7	6	5

WEAO (293.9m-1020kc) "Color and Color Problems," Prof. Howard D. Minchin.

WRC (468.5m-640kc) Smithsonian talk.

WGST (270m-1110kc) "What Does Ceramics Mean to Georgia," Prof. W. H. Vaughan.

8:30	7:30	6:30	5:30

WEAO (293.9m-1020kc) "Illumination," Prof. F. C. Caldwell.

WLW (422.3m-710kc) Zoo talks.

9	8	7	6

KLDS (441m-680kc) Music appreciation, Prof. Arhtur Mills.

KUOA (299.8m-1000kc) lectures, University Extension.

10	9	8	7

WMAQ (447.5m-670kc) lecture, University of Chicago.

11	10	9	8

WSAI (325.9m-920kc) University of Cincinnati.

Friday, March 19

Eastern	Central	Mountain	Pacific
4 p. m.	3 p. m.	2 p. m.	1 p. m.

KFAB (340.7m-880kc) Science lectures.

5:30	4:30	3:30	2:30

KSAC (340.7m-880kc) Lessons in color and design.

WCAP (468.5m-640kc) Science talk.

6:30	5:30	4:30	3:30

WNYC (526m-570kc) French lesson.

7	6	5	4

WKAR (285.5m-1050kc) Nature study series.

WNYC (526m-570kc) Advanced French.

7:30	6:30	5:30	4:30

WBZ (333.1m-900kc) "Recent Development in Economics," Prof. Thomas N. Carver.

KSAC (340.7m-880kc) Travelogue.

7:45	6:45	5:45	4:45

WJZ (454.3m-660kc) New York university.

8	7	6	5

WPG (299.8m-1000kc) Educational series.

KDKA (309.1m-970kc) University of Pittsburgh address.

8:15	7:15	6:15	5:15

WCAU (277.6m1080kc) chiropractic talk.

10	9	8	7

WMAQ (447.5m-670kc) lecture, University of Chicago.

10:10	9:10	8:10	7:10

WNYC (526m-570kc) Board of Education.

10:15	9:15	8:15	7:15

WOC (483.6m-620kc) Travel lecture.

10:45	9:45	8:45	7:45

KOAC (280.2m-1070kc) "Earth's Place in the Universe," D. C. Livingston.

ORATORIO BY APOLLO CLUB AT WLS

Thursday, March 18

store hour; concert trio, violin, cello and piano; Ray McKay, baritone; 10-1 a. m., Jack Chapman and his Rainbo Skylarks; Jerry Sullivan; Rose Vanderbosch, soprano, pianist; Hal Lansing and his uke; Lew Butler, Bert Davis; Marie Polit, Anne Keim, mezzo-soprano; artists; 1-2, Ginger hour, Jack Chapman the Ginger Man and Little Skylarks.

WSAI, Cincinnati, Ohio (325.9m-920kc), 7 p. m., musical program; 7:30, Hires Harvesters; 8, Clicquot Club Eskimos; 9, Silvertown Cord orchestra.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., Richs' glee and mandolin club; 10:45, Charles Sheldon Junior organ recital.

Mountain Time Stations

CFAC, Calgary, Canada (435.8m-688kc), 9-11 p. m., Canadian National railways program; C. N. R. orchestra, assisted by Gerald Fitzgerald, tenor.

CNRC, Calgary, Can. (435.8m-688kc), 9 p. m., studio program, Canadian National Railways orchestra; Gerald Fitzgerald, tenor.

KFAU, Boise, Idaho (280.2m-1070kc), 8 p. m., Kelly club cafe entertainers.

KFXF, Colorado Springs, Colo. (250m-1200kc), Bertram T. Wheatley, pianist; Mrs. Bertram T. Wheatley, soprano; Fritz Funk, violinist.

KFWA, Ogden, Utah (261m-1150kc), 4-5 p. m., organ recital, Paramount theater; 5-6, Radio dealers program.

KOA, Denver, Colo. (322.4m-930kc), 12:15 p. m., Marjorie Nash, organist; 6:30, dinner concert, Brown Palace string orchestra.

KUOM, Missoula, Montana (244m-1230kc), 8 p. m., Irish music, Mrs. Kathleen Walford.

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-640kc), 5:30-6 p. m., Packard Six dance orchestra; 6, Nightly Doings; 6:30, vest pocket program; 6:45, Radiotorial period; 7-8, program, students University of Southern California; 8-9, Clara Belle Patten Wallace, contralto; 9-10, program, Chickering hall; 10-11, Jose Arias and his Mexican orchestra.

KFON, Long Beach, Calif. (232.4m-1280kc), 6-6:30 p. m., Brayton's theater organ; 6:30-7, amusement information; 7-7:30, Spanish lesson; 7:30-8, municipal band concert; 8, book chat; 8:15-9, Long Beach municipal band; 9-10, studio program.

KFWB, Hollywood, Calif. (252m-1190kc), 6-7 p. m., dinner music, Fitzgerald Music company; 8-9, program, Corduroy Tire company; Corduroy Tire orchestra; Albert Keglovich, violinist; Estelle Shake, blues singer; 9-10, program, Don P. Smith, Inc., Diana-Moon orchestra, Sol Hoopii's Hawaiians and Ashley Sisters, vocal duets; 10-11, Warner Brothers' frolic.

KGO, Oakland, Calif. (361.2m-830kc), 11:30-1 p. m., luncheon concert; 4-5:30, concert orchestra; 8, Oakland studio, four one-act plays; 10-1 a. m., dance music, Brokaw orchestra.

KGW, Portland, Ore. (491.5m-610kc), 12:30-1:30 p. m., concert, First National bank and the Security Savings and Trust Co.; 6-7, concert, Olds, Wortman and King company; 8-9, concert, vocal and instrumental; 9-10, vaudeville hour.

KHJ, Los Angeles, Calif. (405.2m-740kc), 8-10 p. m., program, Jell Well Desert company; 10-11, Don Clark's Biltmore hotel dance orchestra.

KJR, Seattle, Wash. (389.4m-780kc), 7-8:30 p. m., Eureka mixed quartet; 8:30-10, Pugest Sound Savings and Loan association orchestra; 10:30-12, Post Intelligencer meeting of the "Keep Joy Radiating Order of Bats."

KMTR, Hollywood, Calif. (238m-1260kc), 6-7 p. m., Starr Piano company studio; 8-10, KMTR concert orchestra, Loren Powell, director.

KNX, Hollywood, Calif. (336.9m-890kc), 5:30 p. m., Leighton's cafeteria orchestra; 6:30-7, Atwater Kent orchestra; 7-8, program, H. L. Crockett company; 8-9, program, Willys-Overland dealers; 9-10, KNX feature program; 10-11, Frazier's Mountain Park's program; 11-12, Ambassador hotel dance orchestra.

KPSN, Pasadena, Calif. (315.6m-950kc), 8-9 p. m., Pasadena Chamber of Commerce.

KTAB, Oakland, Calif. (240m-1250kc), 9-9:30 a. m., prayer service; 12-1, luncheon concert; 8-10, program.

Friday, March 19

Headliners Today

Eastern	Central	Mountain	Pacific
7:30 p. m.	6:30 p. m.	5:30 p. m.	4:30 p. m.

WBAP (475.9m-630kc) Ford's Texas Trumpeters.
8 7 6 5
WAHG (315.6m-950kc) Harold Gleason, organist.
WBAL (246m-1220kc) Traditional Negro music.
8:10 7:10 6:10 5:10
WAMD (244m-1230kc) Two operettas.
8:30 7:30 6:30 5:30
WHO (526m-570kc) Garber Family entertainers.
9 8 7 6
WSB (428.3m-700kc) Merry Makers orchestra.
9:30 8:30 7:30 6:30
WLS (344.6m-870kc) "Elijah".
10 9 8 7
WEBH (370.2m-810kc) Dennis Sisters.
10:30 9:30 8:30 7:30
WEAR (389.4m-770kc) Welsh program.
WTIC (475.9m-630kc) Entertainers, Black and White revue.
11 10 9 8
KPO (428.3m-700kc) Metropolitan quartet.
11:30 10:30 9:30 8:30
WOC (483.6m-620kc) "A Step On the Stairs," Radio drama.
12 11 10 9
KFWB (252m-1190kc) Original Country Boys.

Friday, silent night for: CFAC, CHIC, CKNC, CKY, CNRC, CNRM, CNRO, CNRR, CNRW, KFAU, KFEQ, KFKU, KFWA, KFXF, KGO, KFAU, KLDS, KPRC, KUOA, KUOM, PWX, WBBR, WCAD, WCBD, WEAO, WEBW, WGBS, WGST, WHAZ, WIP, WJAZ, WKRC, WLW, WLWL, WMAK, WNAD, WRC, WREO, WRVA, WSAI, WSMB, WSUI, WTAM.

Eastern Time Stations

CNRA, Moncton, Can. (291.1m-1030kc), 8 p. m., studio program, St. John artists; Bernice Mooney, soprano; Vida Waterbury, baritone; J. Harold Gillis, baritone; Felix McMullin, bass; Maunsell O'Neill, violinist; Dr. O. Comeau, pianist; 10, orchestra.

CNRT, Toronto, Can. (356.9m-840kc), 6:30 p. m., dinner concert, Luigi Romanelli and his King Edward hotel concert orchestra; 9, choir and organ recital; Trinity choir; 11, dance program, Luigi Romanelli and his King Edward hotel dance orchestra.

KDKA, Pittsburgh, Pa. (309.1m-970kc), 12:20 p. m., Sunday School lesson; 6:30, dinner concert; 9, concert; 10:30, Teaberry time.

WAHG, Richmond Hill, N. Y. (315.6m-950kc), 12 noon, Lenten services; 8 p. m., Harold Gleason, organist; 9, Royal H. Whitmyer, tenor; 9:15, Mischa B. Tulin, pianist; 9:40, Royal H. Whitmyer, tenor; 10, Richard Delnunzio, violinist; 10:30, Southland dance orchestra.

WBAL, Baltimore, Md. (246m-1220kc), 6:30-7:30 p. m., WBAL dinner orchestra; 7:30-8, male quartet; 8-9, musical program; concert, Negro music by mixed chorus; 9-10, WBAL string trio; John Wilbourn, tenor.

WBZ, Springfield, Mass. (333.1m-900kc), 6:30 p. m., Hotel Kimball orchestra; 8, musical program; 8:30, concert, group from Boston symphony orchestra; 9, "Whatdoyoucallit club."

WCAE, Pittsburgh, Pa. (461.3m-650kc), 4:30 p. m., Sunshine Girl; 6:30, dinner concert, William Penn hotel; 8, concert; 9:30, Vikings; 10:30, Brunswick orchestra.

WCAP, Washington, D. C. (468.5m-640kc), 6-12:30 p. m., Mozart string quintet; music and playlet; WEAF; Wardman Park hotel dance orchestra.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:45 p. m., Hotel Pennsylvania orchestra; 7:30, Snellenburg Instrumental trio; 8:30, the Singing Groundhog; 8:45, the Bryan Girl; 9:15, Dwight Strickland, "poetician"; 9:30, the Sea Gulls; 10:30, Myers musical architects.

WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., dinner program, Goldkette ensemble; 8-9, program; 9-10, dance music, Jean Goldkette's Breeze Blowers.

WEAF, New York, N. Y. (491.5m-610kc), 4 p. m., Henry Dart, pianist; 4:15, Evelyn Wight, soprano; 4:30, Henry Dart pianist; 5 Vincent Lopez and orchestra from Ritz-Carlton hotel; 6, Gene Ingraham's orchestra; 7:45, Dicken's corner; 8, Happiness Candy Boys; 8:30, Eagle Neutrodyne trio; 9, Chamber musicale; 9:30, the Vikings, chain stations; 10, Whittall Anglo-Persians; 11, Ben Bernie and orchestra from Hotel Roosevelt.

WEAR, Cleveland, Ohio (389.4m-770kc), 7 p. m., Wormack's Singing Syncopators; 8:15, program; 9:30, WEAF; 10, Whittal's Anglo-Persian orchestra; 10:30, Welsh program.

WEBJ, New York, N. Y. (272.6m-1110kc), 7-7:30 p. m., Blenheim theater ensemble; 7:45, Derry Alexander's entertainers; 8, Lillian Kroll, concert pianist; 8:15-9, Al Ciccones' Harlem Tea Garden orchestra.

WEEI, Boston, Mass. (348.6m-860kc), 12:15 a. m., Lenten services, B. F. Keith's theater; 3:05 p. m., Billy Lester and his orchestra; 5, Frankie Ward and his orchestra; 6:15, Joe Rines and his Hunters' Cabin orchestra; 7:30, Whiting's Milk company, program, 8:20, Virginia Dexter, soprano; Arthur E. Dexter, accompanist; 8:30, Neapolitan Ice Cream company, program; 9, musical; 9:30, Carter's Incas; 10, WEAF.

WFI, Philadelphia, Pa. (394.5m-760kc), 1 p. m., Tea Room ensemble; 3, Sesqui Centennial concert; 6:30, Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra.

WGBS, New York, N. Y. (315.6m-950kc), 3 p. m., George Jr. Republic program; 6:30, Anzell's orchestra.

WGCP, New York, N. Y. (252m-1190kc), 3 p. m., Elvira Rosa Geiger, pianist; 3:45, Sherman and Neal, vocalists; 4:10, Frank Gallasi, ukulelist; 4:25, Miriam Davies, 4:45, Rubey Cowen; 5:10, Clarence Profit; 7, China Royal orchestra; 7:30, Billy Ihlefeld, pianist; 7:45, program.

WGHB, Clearwater, Fla. (266m-1130kc), 6:30-7:30 p. m., dinner music, Mandelay orchestra; 8:30-10, program, L. W. Skinner company; 11:30-1, Graham Prince and his Mandelay orchestra.

WGHP, Detriot, Mich. (270m-1110kc), 6-7 p. m., dinner concert; 10-11, WGHP entertainers; 11-12, Skylark dance band; 12-1 a. m., Gerald Marks and his orchestra, assisting artists.

WGR, Buffalo, N. Y. (319m-940kc), 2:30 p. m., WGR's afternoon program; 6:30, Joe Stewart's orchestra; 7:30, jointly with WEAF, Kinney story period; 8, Buffalo state normal school program; 8:30, Welsh program; 9, Winger's Crescent Park entertainers; 9:30, WEAF; 10:30, Hewitt Humorists; 11, Vincent Lopez Hotel Statler dance orchestra, Harold Gieser, director; John F. Gunderman, Jr., at the organ.

WGY, Schenectady, N. Y. (379.5m-790kc), 2 p. m., Asia Restaurant orchestra; 2:30 music; one-act play "A Flower of Yaddo"; 7, Eastman theater orchestra; WHAM; 8:15, mystery play, "A Step On the Stairs"; 8:30, program from Poughkeepsie; 9, WJZ; 10:30, Rose Mountain, contralto; Joseph Derrisk, pianist; Jerry Mirate, pianist; Joseph Kreinen, violinist.

WHAR, Atlantic City, N. J. (275m-1090kc), 2 p. m., Seaside hotel trio; 7:30, program announced; 8, Seaside hotel trio.

WHN, New York, N. Y. (361.2m-830kc), 6 p. m., People's hour; 7, Harry Richman and his entertainers; 7:30, Melody club orchestra; 8, Loew's vaudeville hour; Loew's 83rd Street orchestra; 10, Roseland dance orchestra; 10:30, Anatol Friedland; 11, Twin Oaks orchestra; 11:30, Mabel Blume and European trio; 12 m., Silver Slipper orchestra; 12:30, Avalon club orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 1 p. m., Gimbel tea room orchestra; 6:05, Benjamin Franklin concert orchestra; 7, Uncle Wip's bedtime stories; Mary and Helen Leedom, songs.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Jean Goldkette's symphony orchestra; soloists; 9, Mulkey Celebrities.

WJZ, New York, N. Y. (454.3m-660kc), 12:15 p. m., music hour; 8, Sundial shoe serenaders; 9, Cosmo Hamilton, "Radio Novel."

WLIT, Philadelphia, Pa. (394.5m-760kc), 12:02 p. m., Stanley theater organ recital; Arcadia cafe concert orchestra; 2, Arcadia cafe concert orchestra; 2:30, playlet, students national school of elocution and oratory; 4:30, artist recital; 7:30, Dream Daddy's bedtime stories; 10, Morning Glory club; Arcadia cafe dance orchestra; 10:30, Rufus and Rastus; 11, continuation of Morning Glory club concert.

WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Olcott Vail and his Hotel McAlpin string ensemble; 6:30, Ernie Golden and his Hotel McAlpin orchestra; 7:30, Sachs Musical Monarchs; 8:50, Broadway association; 9, Hardman hour of music; 10:30, Parody orchestra; 10:45, Van and Schenck; 11, Hofbrau Haus entertainers; 11:30, Jack Denny's orchestra; 12 m., McAlpin entertainers.

WNYC, New York, N. Y. (526m-570kc), 6:20 p. m., songs; 7:35, the Lane trio; 8, piano recital; 8:30, violin recital; 9-10, German Irving Place theater ensemble.

WOO, Philadelphia, Pa. (508.2m-590kc), 11 a. m., organ recital; 12:02 p. m., Golden's crystal tea room orchestra; 4:45, organ recital; 7:30, Sylvania dance orchestra; 9:25, Fox theater program; 10:15, organ recital, Mary E. Vogt; 10:30, Sylvania dance orchestra.

WOR, Newark, N. J. (405.2m-740kc), 6:40 p. m., studio program; 7-7:30, Copenhagen quartet.

WPG, Atlantic City, N. J. (299.8m-1000kc), 4:45 p. m., Chalfonte-Haddon hall, tea music; 6:45, Arthur Scott Brook organist; 7, Hotel Morton dinner music; 8:15, program, Cuthbert Melody boys; 9, Hotel Traymore concert orchestra; 9:30, Hotel Traymore Grill orchestra; 10, James' Salt Water Taffy boys; 11, dance orchestra.

WRC, Washington, D. C. (468.5m-640kc), 12:30 p. m., Lenten services; 1, Meyer Davis' New Willard hotel orchestra; 3:30, concert, U. S. Marine band orchestra; 5, W. Spencer Tupman's Hotel Mayflower orchestra.

WTAG, Worcester, Mass. (268m-1120kc), 10:30 p. m., musical selections; 12:05-2 p. m., noonday luncheon music; 6-7, dinner music; 8:15-9:30, WEAF; 10-10:30, WEAF.

WTIC, Hartford, Conn. (475.9m-630kc), 12:05-1 p. m., Travelers club orchestra; 6:30, Hub trio; 8:15, U. S. Coast Guard band; 10:30, entertainers from the Black and White revue; 11-12, Carroll's Palais Royal orchestra.

WWJ, Detroit, Mich. (352.7m-850kc), 12:05 p. m., Jules Klein's Hotel Statler orchestra; 3, Detroit News orchestra; 6, dinner concert; 8, C. T. S. and his performing Elks; 9:30, WEAF; 10:30, dance program.

Central Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., Olive Fletcher and Ruby Teator, pianists; Mike Konac, pianist; Ed. Elingson, original songbird; Lenhart's juvenile orchestra.

KFMX, Northfield, Minn. (336.9m-890kc), 10-11 p. m., organ recital.

KFRU, Columbia, Mo. (499.7m-600kc), 6:15 p. m., dinner music; 12-2 a. m., musical program, Bella Vista Quadrangle orchestra.

(Continued on page 30)

GENERAL TALKS AND SPEECHES

Saturday, March 13

Eastern	Central	Mountain	Pacific
1:45 p. m.	12:45 p. m.	11:45 a. m.	10:45 a. m.

WHAR (275m-1090kc) Lenten talk.
2:30 1:30 12:30 11:30
WOR (405.2m-740kc) "George Meredith," B. P. Adams.
7 6 5 4
WDAF (365.5m-820kc) "Military Engineering," Col. E. M. Stayton.
7:55 6:55 5:55 4:55
WFAA (475.9m-630kc) "Coins and Coinage," W. A. Philpott.
8 7 6 5
WEAF (491.5m-610kc) "Getting the Best Out of Sculpture," Prof. John Shapley.
8:30 7:30 6:30 5:30
WGBS (315.6m-950kc) Clifford Cheasley, philosopher.
WCCO (416.4m-720kc) "Fireside Philosophies," Rev. Roy L. Smith.
9:30 8:30 7:30 6:30
WCAL (336.9m-890kc) "With the Great Masters," Dr. C. A. Melby.
9:45 8:45 7:45 6:45
KHJ (405.2m-740kc) History story, Prof. Hertzog.
10:10 9:10 8:10 7:10
WNYC (526m-570kc) Travel talk.
10:30 9:30 8:30 7:30
WMCA (340.7m-880kc) Readings, Norman Pearce.

Monday, March 15

Eastern	Central	Mountain	Pacific
1:45 p. m.	12:45 p. m.	11:45 p. m.	10:45 p. m.

WHAR (275m-1090kc) Lenten talk, Rev. James Lord.
5 4 3 2
WCCO (416.4m-720kc) Reader's club, Mrs. Walter Stevens.
7 6 5 4
WBZ (333.1m-900kc) "Theatrical Gossip," Sam Wren.
WDAF (365.6m-820kc) Address, Edgar A. Linton.
WRC (468.5m-640kc) "Show Shopping," Leonard Hall.
WTAG (268m-1120kc) Science talk, Fred D. Aldrich.
7:30 6:30 5:30 4:30
KSAC (340.7m-880kc) opportunity talks.
WAHG (315.6m-950kc) "The Romance of Picture Taking," Harry Baker.
7:40 6:40 5:40 4:40
WOAW (526m-570kc) Insurance talk.
WOR (405.2m-740kc) "Current Topics," H. V. Kaltenborn.
8:30 7:30 6:30 5:30
WPG (299.8m-1000kc) Health talk.
8:40 7:40 6:40 5:40
WPG (299.8m-1000kc) "Birds and Their Habits," Alice Yardley.
8:45 7:45 6:45 5:45
WEAF (491.5m-610kc) Tower health talk.
9 8 7 6
WAHG (315.6m-950kc) talk, Major Dent Atkinson.
WBAL (246m-1220kc) Talk, Dr. David M. Robinson.
WMCA (340.7m-880kc) Christian Science Lecture, Gavin W. Allan.
9:30 8:30 7:30 6:30
KUOA (299.8m-1000kc) Better home talks.
10:30 9:30 8:30 7:30
KFXF (250m-1200kc) "Colorado's Sunshine and High Altitude for Invalids," Gilber McClurg.
10:45 9:45 8:45 7:45
KTHS (374.8m-800kc) "Hot Springs," F. Leslie Body.
11:25 10:25 9:25 8:25
KGO (361.2m-830kc) "Chats About New Books," Joseph Henry Jackson.

Tuesday, March 16

Eastern	Central	Mountain	Pacific
1:45 p. m.	12:45 p. m.	11:45 a. m.	10:45 a. m.

WHAR (275m-1090kc) Lenten talk, Rev. Henry M. Mellen.
2:30 1:30 12:30 p. m. 11:30
WHAR (275m-1090kc) "Glimpses Through the Stage Door," Mort Eiseman.
3 2 1 12
KMA (252m-1190kc) Travelogue, G. H. Van Houten.
4:30 3:30 2:30 1:30 p. m.
WCCO (416.4m-720kc) "The World of Books," H. A. Bellows.
6:30 5:30 4:30 3:30
WEEI (348.6m-860kc) Talk, C. S. Bird.
7 6 5 4
WDAF (365.6m-820kc) Road talk.
WOAW (526m-510kc) Sports talk, Ivan L. Gaddis.
7:50 6:50 5:50 4:50
WGHP (270m-1110kc) Band talk, Raymond H. Berry.
8 7 6 5
WHAR (275m-1090kc) "Glimpses Through the Stage Door," Mort Eiseman.
8:15 7:15 6:15 5:15
WIP (508.2m-590kc) "Mother's Day Movement," Anna Jarvis.
8:30 7:30 6:30 5:30
WHAS (399.8m-750kc) Thrift talk, Prof George T. Ragsdale.
8:50 7:50 6:50 5:50
WLW (422.3m-710kc) "Why Go to College?" Dean Frank W. Chandler.
9 8 7 6
WJJD (370.2m-810kc) Talk, Matthew P. Adams.
WMAQ (447.5m-670kc) Book talk, Harry Hansen.
9:15 8:15 7:15 6:15
KNX (336.9m-890kc) Travel talk, W. F. Alder.
9:20 8:20 7:20 6:20
WMAQ (447.5m-670kc) Travel talk.
9:35 8:35 7:35 6:35
KJR (384.4m-780kc) "Motorlogues," Motor Service Co.
9:45 8:45 7:45 6:45
KHJ (405.2m-740kc) History story, Prof. Hertzog.
10:30 9:30 8:30 7:30
CNRV (291.9m-1030kc) Health talk, Dr. O. S. Parrett.
KFXF (250m-1200kc) "Colorado's Sunshine and High Altitude," Gilbert McClurg.
WCCO (416.4m-720kc) "Outdoors in Minnesota,"
11 10 9 8
KGW (491.5m-610kc) Book review; word-cartoon on styles.
12 11 10 9
KGO (361.2m-830kc) "Wonders of the Sky," Henry M. Hyde.

Wednesday, March 17

Eastern	Central	Mountain	Pacific
5 p. m.	4 p. m.	3 p. m.	2 p. m.

WCCO (416.4m-720kc) Readers' club.
7 6 5 4
WCAP (468.5m-640kc) "Matters Before the House," Congress discussion.
WDAF (365.6m-820kc) Health talk; meat talk.
WHB (365.6m-820kc) Automotive extension lesson, John Burns.
8 7 6 5
KSO (211.8m-1240kc) Health talk, Dr. E. W. Freeland.
WEAO (293.9m-1020kc) "Telephone Service," Prof. C. A. Wright.
Eastern Central Mountain Pacific
8:05 p. m. 7:05 p. m. 6:05 p. m. 5:05 p. m.
WAMD (244m-1230kc) "What Prominent Outsiders Think of Minneapolis and the Great Northwest."
8:15 7:15 6:15 5:15
WJZ (454.3m-660kc) Zoological society series.
8:30 7:30 6:30 5:30
CNRM (410.7m-730kc) "Sidelights on St. Patrick's," E. J. Millally.
WEAO (293.9m-1020kc) "Collection Practice and Correspondence," Prof. Felix Hold.
WHAS (399.8m-750kc) Talk, Joseph Burge.
9 8 7 6
WLWL (288.3m-1040kc) Talk, K. of C.
9:30 8:30 7:30 6:30
KGO (361m-830kc) The Workman's Education.
WMAQ (447.5m-670kc) Association of Commerce talk.
9:45 p. m. 8:45 p. m. 7:45 p. m. 6:45 p. m.
KHJ (405.2m-740kc) History story, Prof. Hertzog.
10:30 9:30 8:30 7:30
KOAC (280.2m-1070kc) "Is Your Daughter Going to College," Florence Blazier.
11 10 9 8
KHJ (405.2m-740kc) Talk on astronomy, Dr. Mars Baumgardt.

Thursday, March 18

Eastern	Central	Mountain	Pacific
1:45 p. m.	12:45 p. m.	11:45 a. m.	10:45 a. m.

WHAR (275m-1090kc) Lenten talk, Rev. Harold G. Gaunt.
5 4 3 p. m. 2 p. m.
KMA (252m-1190kc) Travelogue.
WCCO (416.4m-720kc) Readers' club.
6:30 5:30 4:30 3:30
WOR (405.2m-740kc) Sport talk, Bill Wathey.
7 6 5 4
WDAF (365.6m-820kc) Book talk, Louis Mecker.
WLW (422.3m-710kc) Golf chats, Archie Simpson.
7:30 6:30 5:30 4:30
WGY (379.5m-790kc) WGY book chat, William F. Jacob.
WHAR (275m-1090kc) Book chat.
7:45 6:45 5:45 4:45
WLW (422.3m-710kc) "The Eyes Have It," C. H. Hoffman.
WMCA (340.7m-880kc) Health talk.
8 7 6 5
KFKU (275m-1090kc) "Problems of Stream Pollution," Prof. Ernest Bouce.
WEAO (293.9m-1020kc) Flowers, Prof. A. C. Hortes.
WIP (508.2m-590kc) "The Sesqui-Centennial," Hon. Harry A. Mackey.
WPG (299.8m-1000kc) "World Wonder Excursions," Alfred James P. McClure, D.D.
WRC (468.5m-640kc) Smithsonian talk.
8:15 7:15 6:15 5:15
WSAI (325.9m-920kc) Art club talk.
8:30 7:30 6:30 5:30
WGBS (315.6m-950kc) "Footlight and Lamplight," Oliver Sayler.
WTAG (268m-1120kc) Travel talk.
8:40 7:40 6:40 5:40
KFKU (275m-1090kc) "Benefits of Zoning," Mr. Harold Smith.
9 8 7 6
KUOA (299.8m-1000kc) "Arkansas Rural Electric Lines," W. B. Steizner.
WHAS (399.8m-750kc) Civil Service talk, O. A. Beckman.
WLWL (288.3m-1040kc) Talk.
WMAQ (477.5m-670kc) "What We Hear in Music," Mr. and Mrs. M. E. Oberndorfer.
9:15 8:15 7:15 6:15
KNX (336.9m-890kc) Travel talk, W. F. Alder.
9:45 8:45 7:45 6:45
KHJ (405.2m-740kc) History talk.
10 9 8 7
KUOM (244m-1230kc) "Principles of Economics at Work," Dr. J. H. Underwood.
WGY (379.5m-790kc) "Fly Fishing on a Canadian Lake," Dick Shaw.
WRC (468.5m-640kc) Political situation, Frederick W. Wile.
10:30 9:30 8:30 7:30
KFXF (250m-1200kc) "Colorado's Sunshine and High Altitude for Invalids," Gilbert McClurg.
KHJ (405.2m-740kc) Health talk.
10:45 9:45 8:45 7:45
KHJ (405.2m-740kc) Health talk, Dr. Phillip M. Lovell.
11:05 10:05 9:05 8:05
WCCO (416.4m-720kc) Traffic safety talk.

Friday, March 19

Eastern	Central	Mountain	Pacific
1:45 p. m.	12:45 p. m.	11:45p. m.	10:45 p. m.

WHAR (275m-1090kc) Lenten talk, Rev. H. E. Durell.
3 2 1 12
WIP (508.2m-590kc) "Regional Planning for Welfare and Happiness," Prof. Richard Whellwright.
5 4 3 2
WCCO (416.4m-720kc) Readers' club.
6 5 4 3
WCAP (468.5m-640kc) Banking talk.
6:15 5:15 4:15 3:15
WOR (405.2m-740kc) Sport talk, Bill Wathey.
7 6 5 4
WDAF (365.6m-820kc) Address.
7:30 6:30 5:30 4:30
KSAC (340.7m-880kc) "Wild Flowers in Kansas," Dorothy Cashen. "Nectar Producing Plants in Kansas," Ralph L. Parker.
WAHG (315.6m-950kc) Talk, Prof. Richard E. Mayne.
WBZ (333.1m-900kc) "Appreciation of Music," Prof. John A. O'Shea.
7:45 6:45 5:45 4:45
WCAE (461.3m-650kc) Current motor topics, auto tours and road conditions.
WTIC (475.9m-630kc) "The Investor's Problem," Wilbur Sherwood.
WMAQ (447.5m-670kc) "What We Hear in Music," Mr. and Mrs. M. E. Oberndorfer.
8 7 6 5
CNRT (365.9m-840kc) "Tooth of Time," Dr. A. P. Coleman.
WCAL (336.9m-890kc) "Wives," Dr. George Weida Spohn.
WTIC (475.9m-630kc) "Up in the Air," Harry D. Copeland.
8:05 7:05 6:05 5:05
WAMD (244m-1230kc) "What Prominent Outsiders Think of Minneapolis and the Great Northwest."
8:15 7:15 6:15 5:15
KDKA (309.1m-970kc) Health talk.
WCAU (277.6m-1080kc) Chiropractic talk
8:30 7:30 6:30 5:30
WCAL (336.8m-890kc) Book talk, Wm. Beebe.
WMCA (340.7m-880kc) Shoe style talk.
8:50 7:50 6:50 5:50
WMCA (340.7m-880kc) Talk, Brewer Smith.
9:15 8:15 7:15 6:15
KNX (336.9m-890kc) Travel talk.
9:35 8:35 7:35 6:35
KKR (384.4m-789kc) "Motorlogues," Motor Service club.

Radio Digest Illustrated

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Vol. XVI Saturday, March 13, 1926 No. 10

What Dare Broadcasters Say?

BECAUSE he broadcast a sermon from Station KFJF, Oklahoma City, in which he attacked Under Sheriff C. W. Friss, of that city, the Rev. Lincoln McConnell has caused the station to be sued by the under sheriff for a mere twenty thousand dollars. Mr. Friss charges in his suit that Reverend McConnell's criticism of his law enforcement methods was entirely too vehement and virulent.

This news item brings an interesting point up for discussion. To what extent are broadcasting stations held accountable for slander and libel? It occurs to us that the same rules apply here as apply to newspapers and periodicals.

Grant Milner Hyde, of the department of Journalism, the University of Wisconsin, has made a careful study of libel as it applies to newspapers. He says:

"The exact nature of libel is an indefinite thing, depending as much upon circumstances and the verdict of the jury as the law, and no newspaper can fulfill its office as dispenser of the news without now and then laying itself open to libel action. It is practically impossible to print all the news, at the time when it should be printed, without running into danger of hurting someone's good name to a damageable extent; but for one libelous statement that results in legal action and recovery, ten as serious go by unnoticed.

"A libelous statement is an untruth that hurts someone's private, professional, or business reputation. The old basis, 'the greater the truth, the greater the libel,' no longer holds good; now only an untrue statement is libelous.

"But all untrue statements are not libelous; they must hurt someone to be libelous.

"Just what constitutes damage to one's character is the question concerned. In general, any statement that holds an individual up to public contempt, ridicule, scorn, or shame, if untrue, is libelous—to accuse him of a loathsome disease or suggest lack of morality or integrity in his business or private life. In the case of a professional man, anything that suggests lack of skill or knowledge, or charge incompetency is libelous, but the statement must 'touch him' in his professional capacity. The same applies to business concerns and enterprises.

"Public officials, while open to criticism in their public capacity, cannot be attacked as private citizens or accused of moral or mental unfitness for office. Criticism must be concerned with their official acts.

"But any of these accusations or implications is harmless of libel if the newspaper can prove it true. When it is untrue, and the victim wishes to retaliate, he can do so only by bringing suit and recovering such damages as the jury thinks are equivalent to the injury he has suffered.

"The case is not decided on the basis of the newspaper's intent or innocence of malice, but on the basis of the injury suffered by the victim. This is true except when the statements may be such as to lead to a 'breach of the peace' and the evident motive results in criminal proceedings against the publisher."

It is obvious as public disseminators of news and thought, broadcasting stations fall within the same class as newspapers. The same libel law should apply. Mr. Hyde defines what libel is and how it can be committed.

The question whether or not Station KFJF has committed libel depends on what Rev. McConnell said. If what he said was true—we have no way of knowing inasmuch as the details of his message are not given—and only the public capacity of Under Sheriff Friss was attacked, it would seem that Mr. Friss will recover nothing.

Another thing Mr. Friss will have to prove, is the exact message of Rev. McConnell. Perhaps he will be able to produce in court stenographic copies of the broadcast as received and witnessed by reliable witnesses. This certainly will be necessary before he can hope to prosecute his suit.

The Friss vs. KFJF suit should be watched with interest by broadcasting stations and the public, as the decision reached will seriously affect the future of Radio as a medium for the expression of opinion.

RADIO INDI-GEST

Hay! Hay!! Hay!!!

Gee, it used ter be real lonesome livin' down here on the farm,
With no kind of real enjoyment to pass the time away,
Especially in the evenin' after all the chores were done,
And you kinda felt all fagged out from a long and tiresome day.

It wasn't much enjoyment or real entertainin' like
When you had to sit and listen to the common lot of talk
About the crops and weather and threshin' crew and such,
Or how the mule that Pa just bought could only eat and balk.

But, gee, it sure is different now since Pa brought home a set
Of Radio, they call it, and strung around some wires.
Well, gosh, we just sit down now and twist some funny knobs
And we can hear real music from orchestras and choirs.

Gee, it sure is wonderful for we can hear all kinds
Of funny talks and speeches and news and gosh it's fun,
It sure ain't tiresome now to sit around the house
In the evenin' after supper when all the chores are done.

RURAL RUBE

Heard Nothing—Was Flaming Mad

Editor Indi-Gest: One of the Eskimo hot mamas, heer in Fairice, has got me puzzled. Every time she lissens to my loud speaker she terns from her lether complecksion to a brite red. After she turned to red six times, I lissened to the speaker and herd nothing. I want to know what she herd to make her tern red. Always as ever,

KITTLE DRUMMER

Well, Kittle Drummer, most hot mamas are puzzling, but the ones we HAVE HEARD ABOUT wouldn't even listen to reason, much less a loud speaker. She must have herd (darn it, you've got us doing it) Jack Little's "Then Everything Will Be All Right."

Get Out Your Black Peas

Last Week we nominated Noah for membership in the FAMOUS FANS club because his Ark could handle any wave length. Now come dissenting voices. Eloise R. says he was not so good because water on his masts caused him to be grounded on Mount Ararat.

We might add that he also had too many regenerative sets aboard and as a FAMOUS FAN he was all wet. Anyway one of the family should be included. We nominate Noah's son—he was the first "HAM." Shall we take both or either into the club?

Alice In Blooper Land

Speak gently to the blooper boy,
And beat him when he squealses;
He may not do it to annoy,
Or know just how it feelses.

SANTA FE BALDY

Stop Before It Is Too Late

We had to give up the idea of the Call Router described in last week's issue. We forgot that the trains were never on time and the names of the cities hollered by the train caller couldn't catch up with the programs from the different cities. So we have torn up the device and are now going to arrange the parts so the spiel of the train caller can be used on the chain programs.

And No Prescriptions

WASHINGTON, D. C.—It is understood that the governor of North Carolina is anxious to erect a broadcasting station at Raleigh, the capital of the state, which will be owned and operated by the state. At this time there are no wave lengths available for such a station and the department of commerce has so notified the governor.

Let's see now, What is it the governor of North Carolina wants to say to the governor of South Carolina? Oh, yes,—"Its a long time between wave lengths."

Keep In Readiness Yeggs

Students of crime have the opportunity of keeping in touch with crime in greater Cincinnati through the broadcasting of bulletins supplied by the police department. These broadcasts are given through the Crosley WLW station daily at ten-fifteen and four-thirty o'clock. Emergency bulletins are broadcast immediately upon receipt in the studio.—WLW News Bulletin.

Jimmy Valentine announcing. This will most likely avoid some messy affairs and increase the number of perfect crimes. Cooperation between police and apprentices will be assured and will avoid any chance meetings. The emergency bulletins will rectify any miscarriage of plans. Diplomas will be issued to those who complete the extension course. Graduates will serve internship in Chicago.

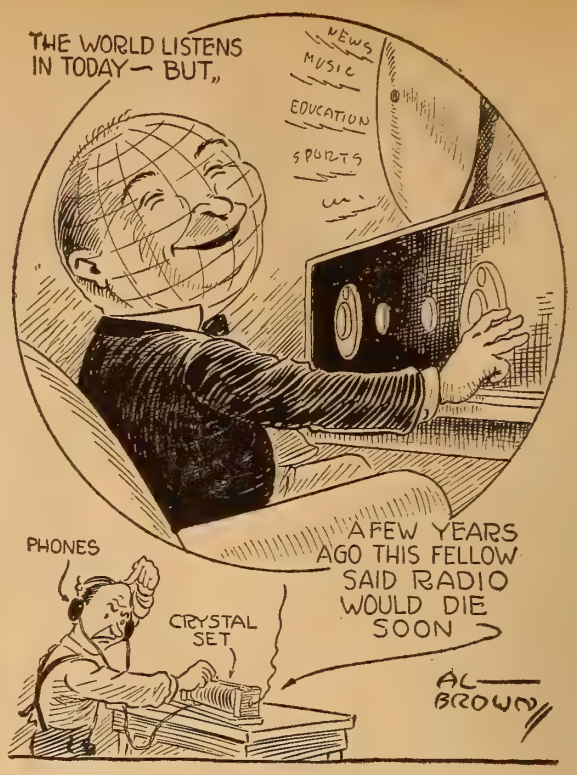
Where Have I Seen You Before?

The Secretary of the I Won't Bloop Club handed us a letter he received from VKY, in which VKY said, "I enclose my pledge card properly filled out and I'm in earnest about it. No strangers, not even my wife, can dial around on my set at night."

We shouldn't put that in the column because there was a little note enclosed for us that kinda put us up-stage. Such nice things were said. The boss should know.

INDI

The Changing World



Condensed

BY DIELECTRIC

Another of those attractive feature concerts by the Formica orchestra from the studio of WLW, Cincinnati, brought solace to a discomfited soul seeking escape from the clatter and crashing of static to peaceful musical tones. Some of the selections played were chosen from among the works of Italian composers—assuring melodious music, while later numbers were entirely popular and picked at random from the mass of material at hand supplied by American composers. What matters a mere title, when the magic rythym of jazz is permeating the silent places to jaded mortals new vim and a chance to move their bodies in contravention to the laws of locomotion. Page the Trombone Player, please.

When you pick out good programs while Old Man Static is spreading himself all over low and high frequencies, you are either on top of the stations broadcasting or mistaking static for snare drums. What I heard the past few nights was static with programs breaking through occasionally. Station WHO, Des Moines, came through with a pleasing program of popular music rendered by the Serenaders, who are familiar to most audiences this station addresses, and erased every vestige of irritation caused in the past—not by these musicians but by other means.

Graham won a cup a few months ago, which the publisher of Radio Digest presented, entitling him to the conviction that he (Graham MacNamee) surpassed all other announcers in the world in most respects. If there is the conviction, there is no evidence of it. for he is manifestly striving to improve that perfection in several ways. During the Atwater Kent concert, in which Anna Case sang and Mr. Corliagno pleased with his excellent violin playing, this improvement was noticeable. The interjected remarks were boiled down somewhat, attracting less to himself and more to the artists and their work.

Florida broadcasting stations have been careful to select those slogans which sound the most enticing, for instance, "The Land of Sunshine," by which listeners are introduced to the Jacksonville station, WJAX. The announcer there indulged in that old stall—just a moment please—so vexatious and frequent a short time back. He did it, however, to let his remarks sink in about the superlative attractions of the city. They had a dance orchestra playing, incidentally.

If you never heard Dan Beddoe sing you have missed a musical treat. His tenor voice is most ingratiating and he knows how to use it to touch the heartstrings. He sang the other evening in a program including a very good mixed quartet. The latter attracted at least one high state official, the governor of Pennsylvania, who sent in a request to the station, WSAI, Cincinnati, for them to sing "Abide with Me." Funny I can't seem to find anything to correct in the management of WSAI. Commendation is better.

Among instrumental trios entertaining the Radio public, the Liberty string trio should be given a prominent place. With several other features of interest scheduled for that hour I, for one, stuck to WLIB, Chicago, that none of the concert should be missed. All the selections were of a piece—good. Not too heavy, nor yet so sentimental as to be cloying. It is a hard medium to strike, this midway plane. There is nothing to say except pleasantries for the evening's music. Again the announcer comes in for mention.

ABC Radio Fundamentals for Everybody

Chapter X—Radio Receiving Circuits (Cont.)

By Milo Gurney

FOLLOWING Radio's stampede of buying, with the advent of broadcasting, together with the flooding of the market with receivers in which regeneration was intentionally used, came the efforts of several engineers with receiver designs in which intended regeneration was absent, together with arrangements wherein the inherent regeneration within the tubes and their associated wiring was such as to circumvent the regenerative patents.

The earliest efforts along this line were similar to that shown in figure 24. In this circuit, the Radio frequency transformers used were of the untuned type, their design varying from that of the tuned type, in that, in place of having air cores, the design included iron cores. With this method of construction it was quite impossible to tune them to resonance, hence a compromise wave length was selected at which such transformers worked most efficiently, while the broadness of their tuning permitted a fair amplification over the balance of the wave bands then used.

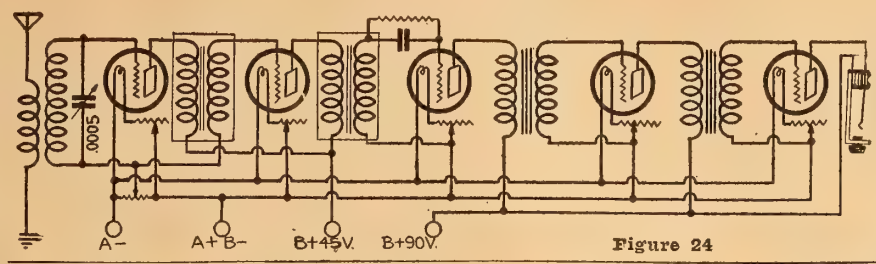


Figure 24

The Oscillation Control

An oscillation control was possible by the employment of a potentiometer across the "A" battery and the connecting of the grid returns to it. At times only the first or input stage was so arranged. With this arrangement it was possible through varying the potentiometer slider to maintain the tube just under its oscillating point, with a resultant gain in selectivity and signal strengh.

One or two manufacturers marketed quite acceptable receivers employing this system of radio frequency; however, with the enlargement of the broadcast bands, caused by the release of wave lengths from two hundred to five hundred and fifty meters, untuned radio frequency transformers could not well be designed which would function satisfactorily over the total band. Consequently they lost their popularity. Insofar as the writer can learn, no one at this time is using circuits employing the use of this type of transformer, hence we may pass on to it's successor, the air core tuned radio frequency transformer and it's associated circuits. They were first exploited and brought to popular demand through the introduction of the neutrodyne circuit as designed by Prof. Hazeltine, of Stevens Institute of Technology.

The Neutrodyne Receiver

The neutrodyne is essentially a tuned radio frequency receiver. By this it should be understood that the radio frequency transformers used in this type of receiver, in place of having iron cores, (as do the untuned type) have windings which are placed upon an air core form and are tuned to resonance with a variable condenser. Another factor which differentiates this type from that of the untuned class is that the control of tube oscillation with the use of a potentiometer is done away with and small adjustable condensers are used. They are so connected to the circuits of the receiver as to neutralize the inherent feed back capacity effects present in the wiring and the plate and grid elements of each tube.

A typical neutrodyne circuit is shown in figure 25, the numerals "a" and "b" indicating the location of the neutralizing condensers in the circuits, while "c" and "d" identify the air core type radio frequency transformers. These transformers differ not only in the use of air cores but also structurally, with reference to other air core transformers, in that their ratio of primary to secondary windings is very high, but also in the placement of the primary relative to the grid end of the secondary winding.

Angle of Transformers

Many Radio Digest readers who are familiar with the arrangement of parts within a neutrodyne receiver, have possibly felt that the peculiar angle at which the radio frequency transformers were mounted—each to the other—was the big secret accountable for the success of this circuit. May I correct this impression by stating that such is not the case? Were the coils individually and properly shielded, then the angle at which they are placed could in no wise affect the circuit's operation. Its total efficiency is accomplished by the design of the radio frequency transformers used and the method employed for the prevention of oscillations created through interstage feed back or coupling.

The angle of placement in the unshielded types of neutrodynes, to the contrary, is quite essential, for the prevention of interstage coupling effects. This angle is not fixed, but is entirely dependent upon the size or diameter of the coil, its winding length, and the center-to-center spacing of the coils.

The circuit enjoys a distinct advantage, in that the tuning of one of the variable condensers does not largely affect the associated circuits, hence the setting of the second and third tuning condensers should nearly agree as to dial numerals.

(Continued on page 24)

Radiotone Loud Speaker

Now *Only* $19.95
Was $25.00

The BEST Radio Affords

$1.00 down!

With the Radiotone all the family can enjoy your radio at the same time!

Yes, Genuine Radiotone loud speaker—the same loud speaker that is selling everywhere for $25.00—now at a sweeping cut price, only $19.95 and on easy monthly payments, besides! Only $1.00 with the coupon below brings the Radiotone to your home on approval for 30 days! No radio is complete without a loud speaker—a *good* loud speaker. The whole family may "listen in" at the same time, leisurely—instead of taking turns at the headphones. Or if you have a loud speaker now that isn't satisfactory, that doesn't bring in stations loud and clear, this is your opportunity to get a first class loud speaker—yes, the best and we'll *prove* it on this offer—at an astounding rock-bottom reduced price, direct—and on easy, monthly payments besides!

Makes Your Radio Complete

The Radiotone is the last word in sound reproduction and amplification for radio sets. It is super-sensitive. Brings in distant stations with full volume so every one in the room can hear distinctly and easily. Wonderful clearness and absolute purity of tone. No distortion. No crouching in front of the loud speaker to hear announcements.

The Radiotone has a 14-inch horn made of Thorite in one piece without seam or joint, accoustically correct. This eliminates the metallic clang you often hear in other loud speakers. The reproducing unit is entirely enclosed at the base of the horn. The well balanced construction does away with all vibrations. The Radiotone has a graceful shape with a beautiful black florduline finish. It stands 23 inches high and weighs only 15 lbs. No extra batteries needed for the Radiotone—just plug it in as you do your head set. Nothing to wear out or get out of order. Sent complete with cord and plug.

30 Days Trial!

When the Radiotone comes, there's nothing to pay. Use it freely at our risk, on trial for 30 days. See how much more use and fun, you and all the family get from your radio with this loud speaker. See how loud, clear and distinct the Radiotone brings in all stations—better than any other loud speaker you've ever heard, giving you the best that is in your set. After 30 days trial if you think you can get along without the Radiotone, return it to us and we will refund your dollar plus all transportation charges. No red tape. The trial costs you not a cent.

Straus & Schram, Dept. R-9413 Chicago, Ill.

Enclosed find $1. Ship special advertised Radiotone Loud Speaker. I am to have 30 days free trial. If I keep the Radiotone, I will pay you $3.00 monthly, total reduced price, $19.95. The Radiotone is to become my property as soon as you receive the final payment. If not satisfied, I am to return it within 30 days and you are to refund my money and any express charges I paid.

Radiotone Loud Speaker No. Y8728A—$19.95

My Name .....
(Head of the family must sign this order. If you are not of age, have your parent or guardian order for you.)

My Street Address
R.F.D. or Box No. .....

My Post Office ..... *My State* .....

My Shipping Point ..... *I have lived in this Town* ..... *years*

And before that I lived in ..... *Town* ..... *State* ..... *for* ..... *years*

Occupation is ..... *Age* ..... *Married or Single* .....

Give names of merchants who know you personally

Name ..... *Town* ..... *State* .....

Name ..... *Town* ..... *State* .....

If you have ever bought goods on credit by mail, tell us from whom. If there is anything else you wish to tell us about yourself, write on a piece of paper and enclose it with this coupon. But the coupon alone, fully filled out, ought to do.
That's all we want to know and we're ready to ship the goods at once. No formalities. No C.O.D. We trust rich and poor alike when they merely show us that they are honest.

$3.00 a Month

But if you decide to keep the Radiotone, pay only $3.00 a month until you have paid the special reduced price—only $19.95. See if you can equal this offer anywhere on such amazingly liberal terms. You'll scarcely feel those small monthly payments. Surely, now, you can afford to have the Radiotone—*the best loud speaker*—and get the most fun out of your radio set for all the family.

Send Coupon NOW!

Seize this opportunity on this special offer. Only $1.00 with the coupon brings the Radiotone on 30 days' trial, satisfaction guaranteed, your dollar refunded if not satisfied. Send the coupon *now* while this special offer lasts.

Straus & Schram
Dept. R-9413 Chicago, Illinois

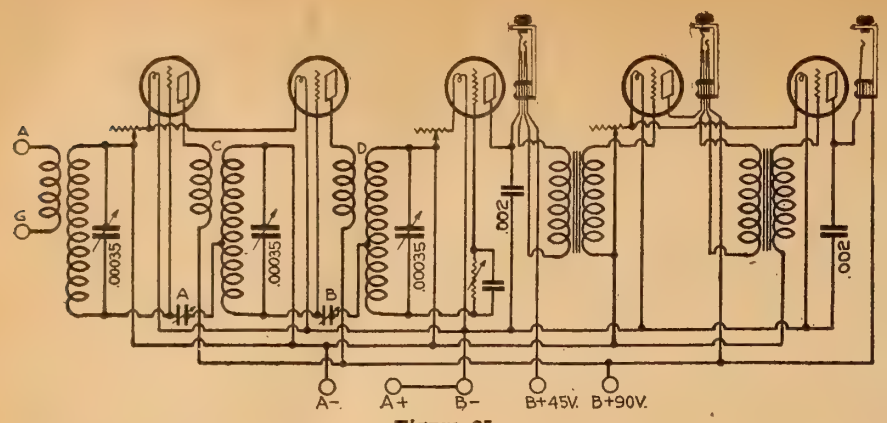


Figure 25

A B C'S OF RADIO SETS

(Continued from page 23)

The first or left condenser, which tunes the first grid circuit, as well as the antenna circuit, may be also caused to "fall in step" with the dial readings of the remaining two condensers, providing the capacity is such as to keep the resonance curve of the input coil common to that of the remaining stages. Therefore, any variance, as far as dial settings are concerned, of the first with relation to the others, may be chargeable to having an aerial whose capacity is too great.

While this circuit's popularity is somewhat over-shadowed by the army of compensated tuned radio frequency circuits now flooding the market, it will ever remain as a distinct forward step in Radio engineering, and the incentive back of the design of compensated types of tuned radio frequency sets.

A word relative to, and of possible assistance to, those owning receivers of this type, is that in general, a single wire aerial of not over seventy-five feet in length, including the lead-ins, is advisable for best operation, while in congested areas one of fifty feet will no doubt serve even better. Long aerials, of necessity, possess a greater resistance than those of medium length, and the writer knows of no greater obstacle to selectivity than resistance contained within an aerial.

If you have wondered why your receiver (irrespective of type) tunes broadly, it is an excellent idea to not only inspect your aerial, but also the ground and try to improve not only the ground connection, but likewise the insulation of the aerial, and look well to the possibility of shortening it. Who is there among you who would cast the first stone, in criticism of added selectivity, and who is there among you who can justly blame the broadcasting station for poor selectivity, who has not looked well toward keeping his own house in order through possessing not only a good aerial, but also a good ground?

(In next week's issue, Mr. Gurney will continue with his explanation of radio frequency type circuits with compensated circuits of this type being featured. Several hook-ups will be given to illustrate this type.—Editor's note.)

INDIANS BEHIND MOTIF

(Continued from page 4)

Indian. Nowhere else is there music as he sings it. Mr. Lieurance believes it is typical. He has made hundreds of phonograph records of these chants and visited practically every tribe on the continent.

Not long ago he spent considerable time with the Sioux Indians on their reservation in South Dakota. There he picked up a melody that has made him world famous. From it he composed the song, "By the Waters of Minnetonka."

To the listeners of WLS Mr. Lieurance told the story of the song. He sang the basic notes as the Indians sing them. Then Mrs. Edna Wooley Lieurance, his wife, sang the song as he had written it. The legend relates that two lovers of the Sun and Moon clans of the Sioux Indians, loving against tribal law, fled to escape torture and sank together in the waters of Lake Minnetonka, located in Minnesota, near Minneapolis. On moonlight nights they return with their phantom canoe and their paddles can be heard dipping in the water as they sing.

That Indians had an understanding of music before the arrival of the white man was said by Mr. Lieurance to be proven by the discovery of flutes carved from bone with holes to permit the sounding of musical scales which were made previous to the time of America's discovery by Columbus. He played "From the Land of the Sky Blue Water" on one of these flutes.

Real Indian music as rendered by the Indians themselves recently was broadcast by the General Electric station, WGY at Schenectady, N. Y., when it was visited by Sioux warriors and a party of Onondagas. The average listener did not report wild enthusiasm over the esthetic harmonies on this occasion as they were produced in the raw. But the element was there and with the imagination of a good American composer to whip it into a staff chaperoned by a proper clef it could doubtless have become a typical American song.

Powel Crosley Vacationing

MIAMI, Florida.—Scarcity of living quarters here has failed to mar the pleasure of Powel Crosley, Jr., prominent Radio manufacturer of Cincinnati, who is concluding a month's vacation of rest and recreation aboard his palatial motor-yacht "Muroma," off the coast of Florida. The yacht owned by Mr. Crosley is a beautifully furnished boat, with sleeping quarters for ten guests and with a completely furnished dining room.

To Improve Crystal Detector

WASHINGTON, D. C.—In Radio receiving circuits employing a crystal detector, if the detector is shunted across approximately one-half the inductance coil, the sharpness of tuning and selectivity of the set in broadcast reception will be greatly improved, according to a statement recently issued by E. B. Hudson of the Radio laboratory of the bureau of standards here.

For accuracy, simplicity, and speed in tuning, for clarity and fidelity in tone, for decorative beauty and value —the Crosley 5-tube RFL-75 stands unchallenged and unapproached. Hear it once and no other set will ever quite satisfy you . . . $75 without accessories.

Add 10 per cent to all prices west of the Rockies

THE CROSLEY RADIO CORPORATION, Cincinnati, Ohio

CROSLEY·RADIO

BETTER · COSTS LESS

Perhaps you, too, can cut your "B" battery costs in half. Just follow the chart. It gives you the secret of "B" battery economy.

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Eveready give you their remarkable service to the full when they are correctly matched in capacity to the demands made upon them by your receiver. It is wasteful to buy batteries that are too small. Follow the chart.

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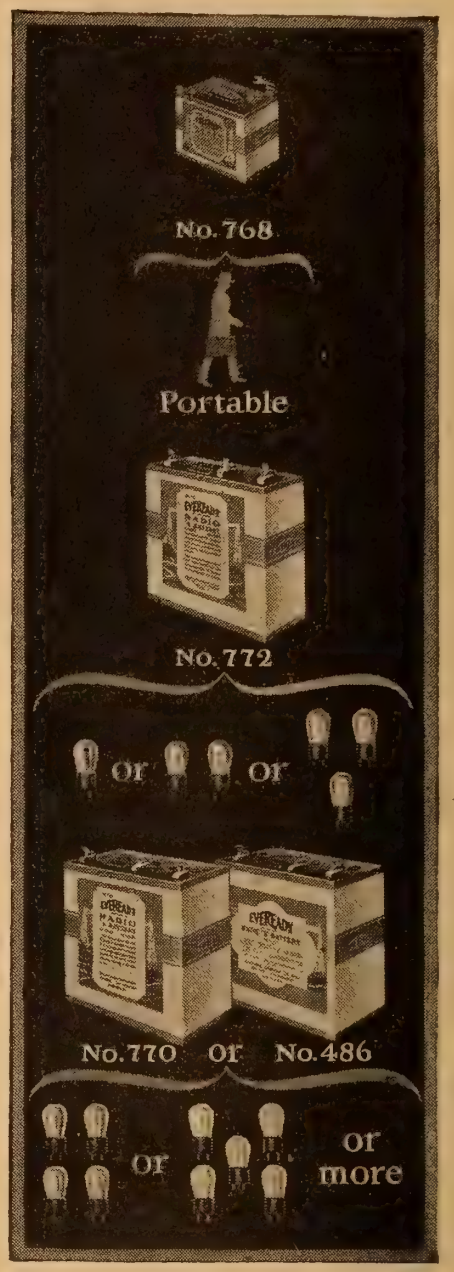

illustrated, which fit practically all of the receivers in use, we also make a number of other types for special purposes. There is an Eveready Radio Battery for every radio use. To learn more about the entire Eveready line, write for the booklet, "Choosing and Using the Right Radio Batteries," which we will be glad to send you on request. This booklet also specifies batteries for the new power tubes. There is an Eveready dealer nearby.

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WGR—*Buffalo*
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WSAI—*Cincinnati*
WEAR—*Cleveland*
WWJ—*Detroit*
WGN—*Chicago*
WOC—*Davenport*
WCCO—*St. Paul, Minneapolis*
KSD—*St. Louis*
KGO—*San Francisco*, 8 P. M. *Pacific Coast Time*

1926 Model Four-Filter Super-Heterodyne

Part I—The Original and the Improvements

By the Technical Editor

LAST year this publication carried a series of articles describing the construction of an eight tube receiver which, because of the design of the intermediate transformers, was designated the "four-filter super-heterodyne." So successful was the first model that several friends of Jacques Fournier built others just like it and so did I. As it was first published there was little to criticize about it, if anything. The circuit used was the standard super input, intermediates, oscillator and audio output. It was presented with both a stage of push-pull and two stages of straight cascade amplification.

A never ending discussion in the Radio field has always centered on the subject of whether the intermediate transformers should be iron core or air core. This will probably never be definitely settled to the satisfaction of everyone as there are some excellent arguments in favor of both types. At the same time there are some very funny arguments put forth. Personally, I prefer the air core type but I can still see the points in favor of the other. There is no question but that a long wave transformer can be made to pass more energy at a certain peak frequency if a few strips of enameled very thin transformer-core-iron are inserted within the coils. This, however, is at the expense of sharpness in that particular transformer and it is the plan of those using such transformers to have either the first or last one in the series of the air core type, with a condenser sharply tuning either the primary or secondary to give what has been termed a "filter."

On the other hand I have seen many writers carefully warn Radio fans against the air core transformer on the grounds that if it were made too sharp there would be distortion due to cutting off part of the side bands which carried the higher notes of music. That, to my mind, is one of the funny arguments, as we have made many attempts to design an air core long wave transformer, and tune it, such that it would cut off side bands. If such a unit can be made, it is not with any form of winding or design known generally to the Radio field today. The natural resistance of a coil containing enough wire to reach 5,000 meters, together with the impedance produced by the use of very fine wire and the inherent capacity of any such coil, is enough to produce losses such that the sharpness of tuning necessary to cut off side bands is impossible. If anyone reading this can show me samples of such a unit together with any evidence that distortion resulted from its use, and not from wrong grid bias or too much oscillator energy, we will be only too glad to retract all statements made and drop all reputation for technical accuracy.

Now admitting that a very little more energy can be passed by using three iron core and one tuned transformer over the use of four carefully tuned air core units, let us see what is gained by the use of this latter type. The chief point gained is quietness, that is freedom from noises within the set itself. Just what there is in an iron core transformer that produces the noises, I personally am not prepared to state, but, having built many of this type, and many with air core transformers, I only know that the latter type give far smoother, much pleasanter reproduction. The super, due to its sensitivity, picks up enough noises from electrical apparatus and static without adding to it by parts within the set itself.

The second desirable feature is a marked increase in sharpness and ability to eliminate undesired stations. This feature is dependent, of course, on careful adjustment of the tuning condensers used to tune the secondaries of the intermediate units so that they are all resonant to the same frequency or wave length. Last year, in the articles written by Jacques Fournier, we described the construction of the intermediate units and readers of this series can secure these back issues and build them if they wish. However, since the adjusting to exact frequency is better done with laboratory apparatus, I would advise the purchase of the complete unit, adjusted and shielded, from the concern shown in the list of parts which accompanies this article. This applies to either iron or air core intermediates; unless one has the laboratory driver and knowledge to bring them all to exactly the same peaks it is better to buy them.

Two of the chief improvements which have now been added to this receiver are shielding and resistance coupled audio amplification. Many are the complaints of super-het builders that they get stations at many points on the dials and have broad tuning on powerful stations, especially those nearby. The only cure for this seems to be shielding, either of the input coils, the oscillator section complete, or the entire set. This last named procedure has seemed to me to be the best method, as then one is sure that nothing gets into the set except that desired energy which comes in on the aerial, whether a loop or of the outdoor type. As this set to be described is now built, we have overall shielding of the entire outfit, separation or isolation, of the input circuits from the intermediates, of the intermediates from the oscillator and audio amplification, and of the oscillator from the audio amplification. Complicated as this all sounds, it is surprising how little sheet metal cutting and fitting is necessary to accomplish it.

In this receiver Radio Digest presents

(Continued on page 26)

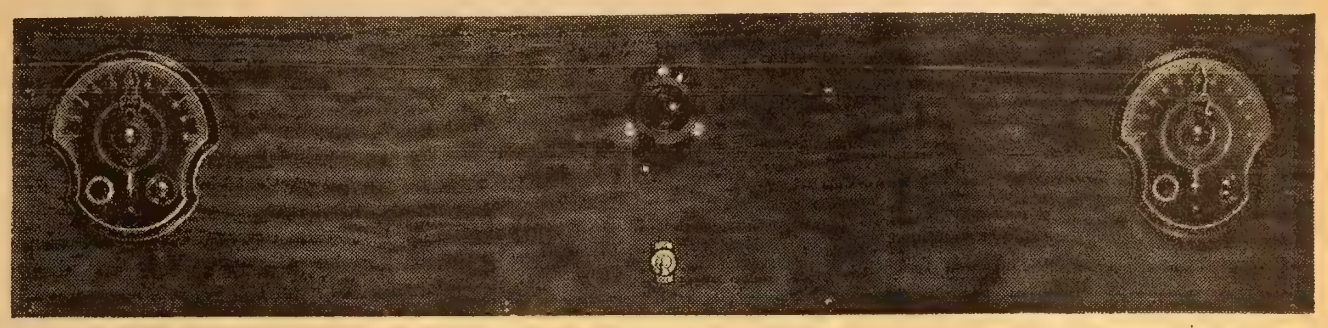

Figure 1

LIST OF PARTS

1	Proudfoot Coil for .0005 mfd. capacity	Cruver Mfg. Co., Chicago	$ 5.00
2	X-Laboratory, S. L. C. Variable Cond.	X-Laboratories, New York City	5.00
6	Cler-a-tone Sockets for 199 tubes	Benjamin Elec. Mfg. Co., Chicago	6.00
1	Master Long Wave Transformer Unit	Nat'l Master Radio Supply, Chicago	30.00
1	Oscillator Coupler	Nat'l Master Radio Supply, Chicago	4.50
1	Daven Super-Amplifier Unit	Daven Radio Corp., Newark, N. J.	15.00
1	Formica Mahogany Panel, 7"x30"	Formica Insulation Co., Cincinnati	5.25
1	Formica Black Panel, 7"x29⅜"	Formica Insulation Co., Cincinnati	5.25
2	Pairs Kelbrackets, No. 7	Kelleradio, Inc., San Francisco	4.00
6	Amperites, No. 6V-199	Radiall Co., New York City	6.60
2	Tune-Rite Dials, 0-Left	Radiall Co., New York City	7.00
2	Bradleyleaks	Allen-Bradley Co., Milwaukee	3.70
3	Tobe 1.0 mfd. bypass Condensers	Tobe-Deutschmann, Boston, Mass.	2.70
1	Cutler-Hammer Toggle Switch	Cutler-Hammer Mfg. Co., Milwaukee	.60
2	Hilco Fixed Condenser, .00025 mfd.	A. E. Hill Mfg. Co., Atlanta, Ga.	.80
1	Hilco Fixed Condenser, .002 mfd.	A. E. Hill Mfg Co., Atlanta, Ga.	.50
1	Hilco Fixed Condenser, .005 mfd.	A. E. Hill Mfg. Co., Atlanta, Ga.	.60
1	General Radio 400-ohm Potentiometer	General Radio Co., Cambridge, Mass.	3.00
3	Walnart Binding Posts, Ant., Gnd.,+45	Walnart Electric Mfg. Co., Chicago	.45
	Sheet Brass, No. 26 half hard	Local Dealer	1.85
	Miscellaneous small parts and wire, etc.		2.00
	Total Cost		$109.80

Accessories Needed

1 B Power Supply to Give 135 Volts and 25-30 Milliamperes, 1 Six-Volt Storage Battery, 6 Tubes Small Base 199, 2 Daven MU-20 Tubes, 1 Daven MU-6 Tube, 3 Eveready C batteries.

Fred W. Stein.

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No Radio Set Complete Without It

Select stations at will. With music and voices crowding the air the average set fails to bring in the desired stations properly. The *Steinite Interference Eliminator* shuts out local and other interference. You get one station at a time, the one you want, and tune in loud and clear. Operates on any set—attach to aerial wire and to set—no changes—no extra tubes or batteries. Greatest Dollar Value in Radio Today.
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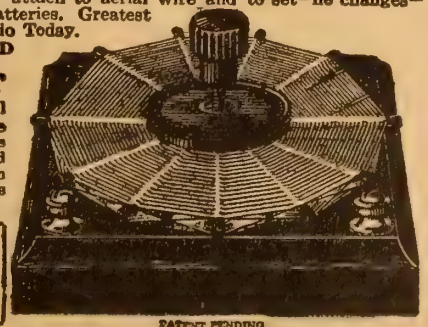
Improved Results With Tube or Crystal Try entirely at my risk the wonderful improvement this inexpensive little device will make in the reception of your set. Improves results on both crystal and tube sets that use any kind of aerial except loop antenna. Clears up reception wonderfully, increases volume, and partially absorbs static. ***MONEY-BACK GUARANTEE.***



Mfrs. Famous 1,500 Mi. Steinite 1-Tube Set, $6; Long Distance Crystal Set, $6; Steinite Crystal 50¢—3 for $1

STEINITE 5-Tube Set—$29.75

FREE Descriptive Literature on request.

PATENT PENDING.

Put this interference eliminator on your set and note amazing improvement. No tools needed—install in a moments time. Connect with set and follow simple instructions. Money back promptly if not delighted. $1.00 postpaid anywhere in U. S. when cash with order.

$1 Postpaid If you are not delighted with results you get your dollar back

References: Exchange National Bank, Atchison Savings Bank. Order today—a dollar bill will do.

STEINITE LABORATORIES, 161 Radio Bldg., ATCHISON, KANSAS

Make Your Radio Set More Efficient With Allen-Bradley Radio Devices

IT matters not whether you are building a receiver or own a factory-built set, in either case you can make your set more efficient by using Allen-Bradley Radio Devices in many parts of the receiver. In addition to the various devices for filament control, grid leak and potentiometer control, there also are the Bradleyswitch and the Bradleynier which are easily installed. The one-hole mounting makes installation quick and easy.

TO bring your set up-to-date, replace your old condensers with Bradleydensers and thereby enjoy the selectivity of straight-line-frequency tuning. The condenser is extremely compact and will not interfere with any other parts on your panel. Don't forget the Bradley-Amplifier for perfect audio amplification. This efficient amplifier is a complete unit ready for immediate use in your set. Try Allen-Bradley Devices tonight and hear the difference!

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Please send me, immediately, your latest literature describing the entire Allen-Bradley line.

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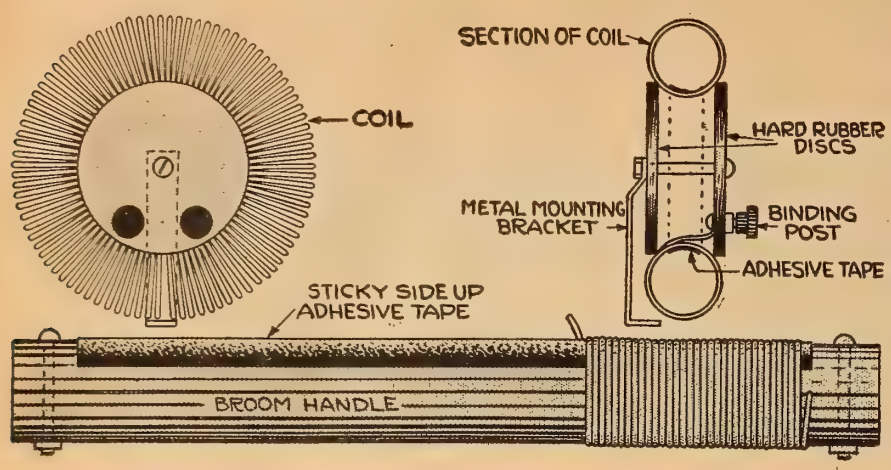
HOW TO MAKE YOUR TOROID COILS



Take a piece of broomhandle about a foot long and split it lengthwise. Bore a hole in each end of both sections about half an inch from the ends so that a nut and bolt may be inserted in each end to hold the sections together. Now lay a piece of adhesive tape over one section as per the illustration; then the desired number of turns, depending on the condensers to be used, may be wound over the tape. Be sure that the tape is laid on sticky side up as it is all that holds the turns of wire together.

After having wound the coil, take out the bolts and slide out one section of the broomhandle, then the other. The coil is now finished except for providing a suitable mounting for it. I cut two hard rubber disks (or bakelite) about one-quarter inch larger in diameter than the inside diameter of the doughnut and bored a hole through the centers of them. I put one of these on each side of the coil and put a pillar on of such a size that when the nut and bolt is tightened up it just pinches the coil a little and holds it firmly in place. For any further information write to F. W. Clute, 206 East Flower avenue, Watertown, N. Y.

FOUR-FILTER SUPER

(Continued from page 25)

resistance coupled audio frequency amplification for the first time. It was for a long time in the experimental stages and, until the makers of this apparatus got it all straightened out, we hesitated about getting our readers in on something that was not a sure thing. Now, however, the Daven company is marketing a complete three stage unit, assembled ready for use, with special tubes to give maximum results, and this three stage unit has been built right into the set.

It has against it, the fact that three stages are necessary to equal two stages of transformer coupling, in volume. It requires 135 volts of B battery on the plates which is the equivalent of three B units of 45 volts each instead of the 90 volts to which most of us have been accustomed. On the other hand, these three stages draw less milliamperes of current from the three B units and distortion is impossible. Even the makers of the finest audio transformers on the market will admit that a transformer, due to inherent characteristics, will favor certain notes in the musical range covered by the human ear and will not be very responsive to audible frequencies below 200 per second. True, some of the better transformers, such as Karas, Thordarson and Amertran, are well nigh perfect and few if any, musical critics can detect distortion in good sets using them. The resistance coupling favors no notes over others. One has the choice therefore of three stages, with amplification that cannot distort, or two stages, that are nearly perfect but not quite.

Low Loss Condensers

Coming now to condensers, of which two of .0005 mfd. maximum capacity are needed: The X laboratories in New York seem to have spared no expense or design to make a condenser with the lowest possible losses. The stator plates are supported at the sides on bars which are in turn secured to the end plates with Pyrex glass buttons. Nothing better than Pyrex glass at such points is now known. The plates are all of highly polished aluminum, so finished that the surface does not corrode and the edges are rounded and smoothed to prevent leakage. Pigtails are provided so that positive contact to the rotor plates is assured at all times, and the bearing arrangements are good.

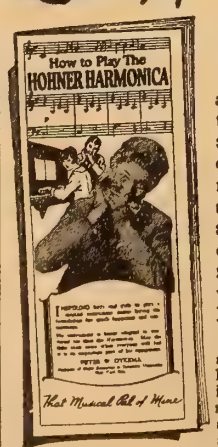
The fact that "old style" straight line capacity types are used will cause comment. There is much in favor of the mechanical construction possible in S. L. C. condensers as against that possible in straight line frequency models. To take care of the well-known bunching of stations at the lower end of the scale that would be the case if the usual dials were used, I have put on some very exceptional dials made by Radiall in New York. They are so constructed inside that, when attached to the shafts of S. L. C. condensers, the stations are spread out on the dial scale at every ten divisions just as if S. L. F. condensers were employed. Just at this time our use of these condensers and dials means a saving to you as the manufacturers are selling them below the original price of $6.00 to make way for their S. L. F. type. You can get .0005 mfd. condensers plain (meaning without attached vernier) for $2.50 each from X Laboratories, 25 West 45th street, New York city.

Range, Selectivity and Control

As those who follow our technical articles know, we always hesitate about stating that a receiver will accomplish any certain range or will go through in any certain locality because so much depends on local conditions, the workmanship and the operation. So far as this set is concerned, I can state definitely that in the same locality in which we have tested all the other sets, it will do more than any of its predecessors in the way of range, selectivity and tone quality. Stations pop in and out as the dials are turned and, even on a sixty-foot outside aerial, the input condenser is really sharp and must be kept in close resonance with the oscillator condenser to land on stations. Programs pour out of the Amplion speaker, used in all tests, with plenty of volume and a purity of tone that makes listening a pleasure. Reproduction is remarkably free from the well-known superheterodyne hissing or breathing sound and it is only by watching the "static crackle" that one can keep the dials in resonance.

(Photos of the inside, and the wiring diagram, together with drilling layouts, will follow in the usual sequence used for previous sets.—Editor's Note.)

"That Musical Pal of Mine"



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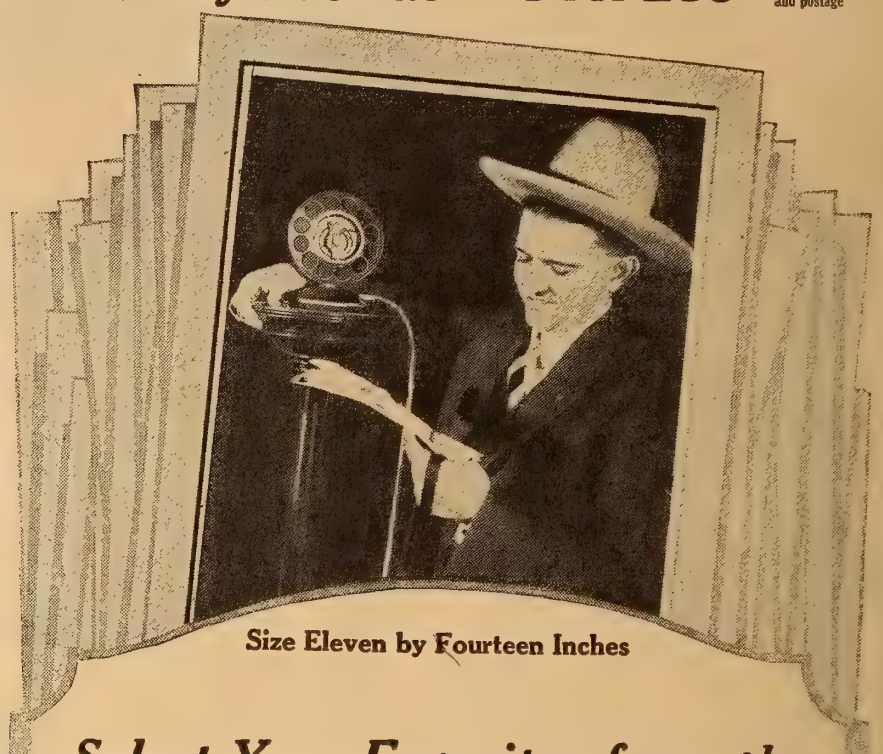
WITH COUPONS **Only 10c Each -- 3 for 25c** To cover cost of mailing and postage



Size Eleven by Fourteen Inches

Select Your Favorites from the Gallery of Radio Stars

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3 Jack Little, popular wandering balladist
5 Coon-Sanders' "Nighthawks" at KYW
6 George Hay, 1924 Gold Cup announcer
7 Harmony Girls, Edith Carpenter, Grace Ingram
8 Ford and Glenn, Lullaby Boys of WLS
9 "Roxy" Rothafel of WEAF chain fame
10 The Hired Hand, famous "Substitute Announcer" of WBAP
12 Bob Emery, Big Brother of WEEI
13 "Bill" W. G. Hay, ex-KFKX, now of WLIB
14 Happiness Boys, jovial singers of WEAF
15 Lambdin Kay, "Little Colonel" of WSB
16 Leo Fitzpatrick, "Merry Old Chief," WJR
17 Henry Field, 1925 Gold Cup runner-up
18 Al Carney, organ favorite at WHT
20 Vincent Lopez, No. 1 Pennsylvania orchestra
21 E. L. Tyson, pleasing voice at WWJ
23 Art Gillham, "The Whispering Pianist"
24 Paul Greene, announcer at WSAI, "bridge voice"
25 Harry Ehrhart, "Dream Daddy" of WLIT
26 Correll and Gosden of "Kinky Kids Parade" fame, at WEBH and other stations.
27 Norman Brokenshire, popular at WRC, WJZ
29 Jane Novak, Blues Singer of Twin Cities, WCCO
30 Jean Sargent, the original, now at WHT
31 Ralph Emerson, popular organist at WLS
32 Edna Adams, of KPRC
33 Pat Barnes, vaudeville announcer at WHT
38 Walter Wilson, "Uncle Bob" of KYW
40 Ray-O-Vac Twins, known country-wide
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42 Fred Hamm of WTAS, now WLIB, fame
43 Meyer Davis' Le Paradis orchestra of WRC
46 D. R. P. Coats, 1925 Silver Cup announcer
47 Gene Rouse, WOAW's popular announcer
49 Iris Ruth Pavey, KOA's invisible stage beauty
51 Ipana Troubadours, on the WEAF Chain.

If your favorites are not in this list, send in a request to have them included in the Gallery of Radio Stars.

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This coupon entitles the holder to one photogravure selected from the Radio Digest Gallery of Radio Stars when accompanied by ten cents to pay the cost of mailing and postage.

Three consecutively numbered coupons entitle the holder to three photogravures when accompanied by 25 cents. Remittance must accompany the coupon. Cash at your risk. Add 5 cents to personal checks for exchange.

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Radio Digest Publishing Co., 510 N. Dearborn St., Chicago

How to Stop Blooping and Man-Made Static

Part V—A DeForest Device and New Super Input

By the Technical Staff

THERE will probably be thousands of fans reading this series who have a sincere desire to cooperate in this movement for a clearer ether but who may not care, for one reason or another to build or buy the Penetrola described last week. Penetrola is not particularly expensive and materially increases both range and volume, but many may not care to invest anymore. Therefore, this week, we will describe some slight changes that can be made in a straight Armstrong regenerative hook-up that will eliminate the blooping without the increase in selectivity or range.

About a year ago Dr. Lee DeForest delved into his seemingly unlimited store of Radio knowledge and, with the valuable cooperation of Roy Weagant on the practical design, presented the Radio world with a low cost little unit to be attached to bloopers. In figure 9 is the schematic diagram of a three tube receiver which is either single circuit or three circuit regenerative depending on which pair of dotted line antenna and ground leads are used. If the antenna and ground are hooked onto the coil connected across the variable condenser, and the grid and filament, this circuit classifies as single circuit, while, if they are connected to the primary coil shown at the left, this hook-up becomes a three circuit installation.

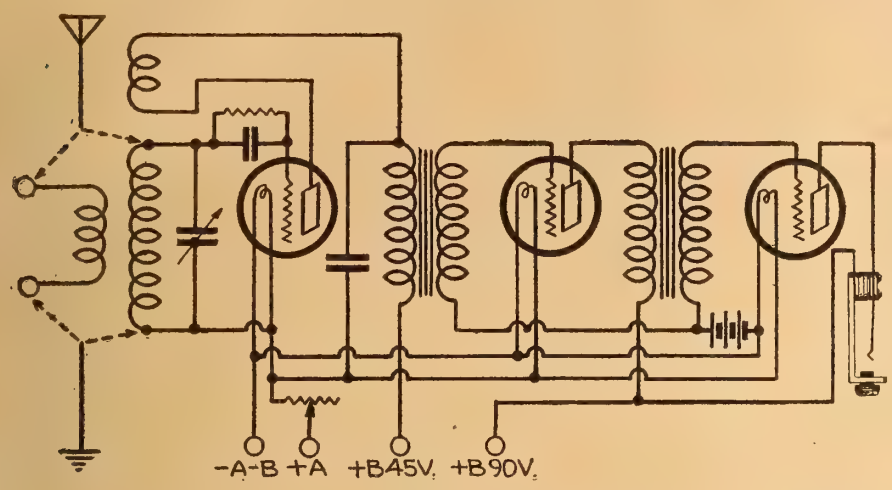

Figure 9

To Prevent Blooping

In figure 10 we have the same apparatus with a couple of slight changes that will prevent blooping. The circuit, as now arranged, works out as follows. The ground, while not shown, connects to the minus A circuit so that the incoming energy sets up a difference of potential, and current, across the grid and filament of the first audio amplifier tube, this current alternating at radio frequencies. Some amplification takes place in this tube and the variations are then found in the plate circuit. The coil shown as B is a choke insofar as radio frequencies are concerned so that these variations are forced into the condenser A.

Since an efficient fixed condenser offers but little resistance to such currents they now go to the tuned grid circuit of the detector tube, at the left of the diagram.

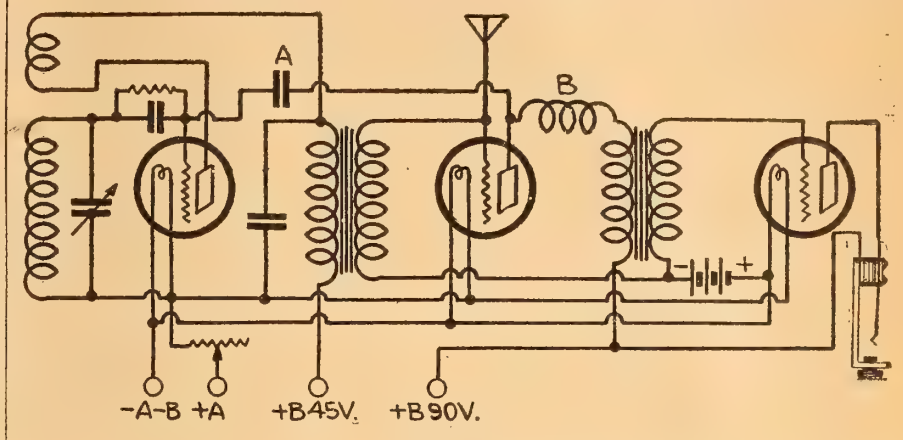

Figure 10

The action from here on is as it was before, the feedback coil giving regenerative amplification and the grid leak and condenser providing rectification and detection. The rectified energy in the form of direct current pulsations is passed into the first audio frequency transformer, into the second tube and then into the second audio transformer and the second amplifier tube.

Have Small Condenser

For satisfactory operation, the condenser A should be very small and fixed condensers are not made in the capacity desired which is about .000025 mfd. This value can be obtained with one of the numerous midget condensers on the market such as Chelton, Gleason, Hammarlund and Continental. Some of the newer balancing or neutralizing condensers will do also, it being only necessary that they have a possible maximum of 50 to 75 micro-microfarads also known as picofarads and printed, yet again, as .00005 mfd. to .000075 mfd. This will readily pass radio frequency currents yet provides a high resistance to the passage of audio frequencies.

There are small chokes on the market, those by Bremer-Tully and Samson being suggested. The primary of a superhet intermediate transformer would do or such a choke could be made by winding 225 turns of number 36 to 40 silk covered

(Continued on page 28)

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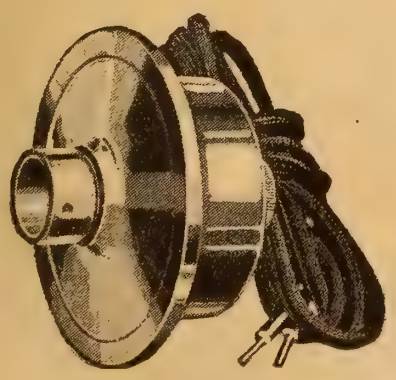

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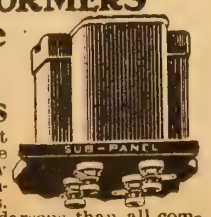

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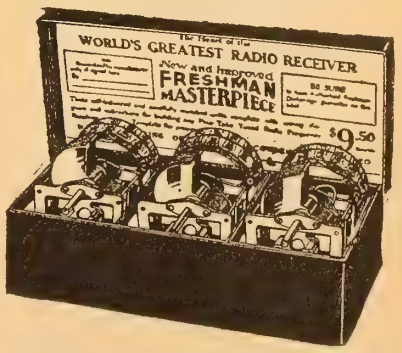

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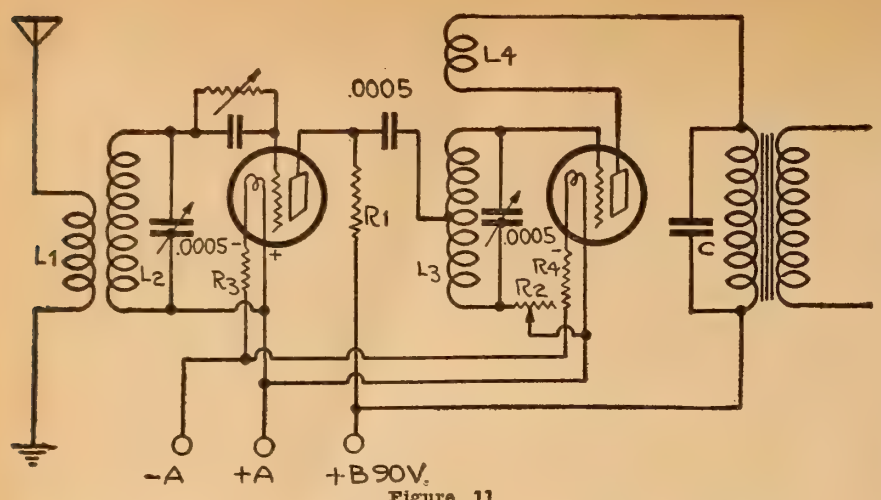

Figure 11

HELP STOP BLOOPING

(Continued from page 27)

wire on a small diameter tube, say ⅝ to ¾ inch. Turns should be wound evenly and side by side. This will effectually block currents at radio frequencies and force them into condenser A but will offer no obstacle to audio frequencies when the program appears on the plate of the first amplifier tube for the second time.

Shield the Cabinet

Lest there be misunderstanding, we want to make it clear that we are not advising the construction of such an outfit with this device built in; this is shown only for those thousands who have receivers of this type already and wish to stop blooping. There are plenty of better circuits to be constructed with few tubes that will not bloop, among them being the circuit of Milo Gurney's in our July 4th issue, that by Skeeters in the August 15th issue and that by Goodrich in the May 23rd issue, all during 1925. So long as a stage of radio frequency amplification is provided that is balanced to make it a one way repeater, there will be no radiation. Such a stage, or a set incorporating one, should preferably be entirely shielded by lining its cabinet with, let us say, number 26 half hard sheet brass.

We also wish to show another method of getting signals off of an antenna and ground circuit into a super-heterodyne in such a way that one way repeater action is obtained and programs can pass into the set without difficulty yet oscillations from the following tubes cannot back up into the antenna and ground system and cause trouble. This came in since the series started from W. Harvey Merwin of Jensen, Fla., and his accompanying letter is reprinted here. The illustration of his circuit which he is discussing is figure 11.

Very Sensitive Arrangement

"Herewith attached" says Mr. Merwin, "is probably the most sensitive arrangement for super-heterodyne there is today. This hook-up has the advantage of not squawking up the neighborhood as it is impossible for oscillation to take place in the first grid circuit, yet there is strong regeneration taking place immediately after leaving the first tube. I would suggest that the antenna coupler shown be wound with half the secondary put on a tube first, then the four turn primary and then the other half of the secondary. Again, you can wind this four turn primary right in beside four turns of the secondary or right over the center of the secondary. This arrangement permits of using only the ground or the aerial where extreme interference is found or terrific electrical device interference (man made static). The ground or aerial may be used alone or, if the super is an exceptionally sensitive one, both may be disconnected and DX accomplished, very often.

"In tuning, the first dial is placed somewhere near the middle of the scale and stations tuned in with the second or oscillator dial, then cleared up with the first. A good strong signal can be heard all over the first dial as a rule but it will be found that unwanted signals and much static can be tuned out with it at certain positions. The first tube is to be a 199 and resistance R3 is a 6V-199 Amperite so this tube can be run from a six volt storage battery. The rest of the tubes are 201-A, although they can be 199s with a 4-volt storage battery and the Amperite would then be a 4V-199.

Tap Secondary Near Center

"Any good tuned radio frequency transformer or tuned radio frequency antenna coupler can be used for the antenna coupler shown, while any good three circuit tuner with the primary removed is used between the first and second tubes and the secondary tapped as near the exact center as possible. The tickler is used as the feedback and generally can be once adjusted and left alone. An important control is resistance R2 in the grid return lead of the second tube and I have variable condensers of .00035 mfd. capacity these grid coils can be 60 turns of number 24 double silk covered wire on a 3-inch tube occupying a winding length of 1½ inches.

The resistance R1 should be a one tenth megohm (100,000 ohms) resistor as made by Daven Resistor Co., at Newark, N. J., preferably mounted in one of their number 50 mountings. Resistance R4 is an Amperite; 4V-199 for the 199 type of tube with 4-volt battery and 1-A for the 201-A tube on six volt battery. The transformer to the right with the fixed condenser across its primary is the tuned filter of the intermediate stages of a super.

(There will be more devices shown for prevention of blooping and several chapters on the locating and prevention of man-made static. If some means of fixing your set has not been shown yet, follow this series closely as all types will be touched on.—Editor's Note.)

Department of Commerce Works with 150 Stations

WASHINGTON. — The department of commerce is now cooperating with nearly 150 broadcasting stations in sending out weather reports and practically all of the United States is within their range. Warnings of cold waves, frosts, floods, heavy snows and other unusual weather conditions are included whenever they are issued. In addition, the department of agriculture is cooperating with a large number of stations in supplying digested agricultural news and special talks.

Legion Notes

March 11, 8:00 p. m. Central time; Station WSB, Atlanta, (428m-700). Georgia Legion department official program: Georgia minstrel, musical numbers, dance orchestra and talk by Colonel Homer B. Watkins, department commander.

* *

March 16, 8:00 to 9:45 p. m. Central time; Station WIAU, Columbus, Ohio, (293.9m-1020kc). Ohio Legion department official program: "Ohio's Legion-Air Birthday Party." Something new in Radio entertainment, musical numbers, and an address by a nationally known person.

* *

Station WDAF, Kansas City, presented an American Legion program on Wednesday, February 17. The Kansas department official program included the Wichita Post quartet, Wyandotte Post Drum and Bugle Corps, a "rare one" by "Doc" Sweeney and talks by the department officials.

* *

Tuesday and Wednesday, February 23 and 24, 8 to 11 p. m., and 12 to 2 a. m., Central time, Station WKAF, Milwaukee, gave the Wisconsin department official program: "The Legion Barrage," featuring the Racine Legion Drum Corps and the Milwaukee Auxiliary band.

A grid leak is essential to the proper operation of the detector tube.

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DR. HULLINGER GIVES DESCRIPTION OF SET

BECAUSE he won first prize in the Radio Digest contest for best verified foreign reception during international Radio week, Dr. J. D. Hullinger, 108 The Weston, Clinton, Ia., has been besieged by several hundred Radio fans who want to know what kind of set he used.

Dr. J. D. Hullinger

His receiver is an outdoor aerial type of super-heterodyne employing what is known as the "Ultradyne" circuit. The kit used by Dr. Hullinger in making this set was manufactured by the Phoenix Radio corporation, of New York, N. Y.

Cunningham 301A tubes, together with storage A and B batteries, and a cone type loud speaker, are employed. Plate voltages are 48 on the detector and 120 on the amplifier tubes.

Dr. Hullinger is a graduate in Medicine from the Iowa State university, class of 1893, and his career has included teaching school and, as a pastime, playing the cornet in bands and orchestras. He is sixty-five years old.

It was in November, 1923, that he first became interested in Radio. Since that time he has built and bought many different types of receivers.

In divulging to what he attributes his very successful reception, he lists his large size set, good circuit, keeping his batteries always fully charged, his systematic method of listing and logging stations, careful manipulation of dials, and the fact that he is a regular subscriber to Radio Digest.

He assures all correspondents that he will answer all letters, although there may be considerable time taken in doing this.

$500 in Gold

FOR THE SOLUTION OF

a Step On the Stairs

WITH the beginning of this exclusive and pioneering effort in coupling a master serial novelette with its production as a Radio play at a selected few of the country's best broadcasting stations, Radio Digest wishes to announce that $500.00 in Gold prizes will be awarded to the persons who can best solve the mystery.

The story, "A Step On the Stairs," is written by Robert J. Casey, an author whose works in the literary world need no introduction. Furthermore he is well versed in the needs of such fiction for Radio presentation. His work, in turn, is being Radio dramatized by Fred Smith, Managing Director of the United States Radio Society, who can be counted among the first few men to write and present Radio plays.

Read the story and hear it played weekly from the selected stations. Don't miss this thriller, whether or not you intend to submit a solution!

The chosen stations, which will broadcast "A Step On the Stairs" in Radio play form, are given on page thirteen. The days and the hours are listed.

THE PRIZES

The prizes are seventeen in number. First prize is $250; second prize is $100; third to seventeenth prizes inclusive, are $10 each. In the event of a tie for any prize offered, a prize identical in all respects with that tied for will be awarded to each tying contestant.

HOW TO WIN A PRIZE

Nine installments of Mr. Casey's story will be published consecutively each week, the first appearing in the February 27 issue. His tenth and final installment will not appear until the prize winning solutions have been selected by the judges. The solution nearest correct, that is, nearest to unravelling the mystery accurately, will win. The method of preparing the solution—its neatness, legibility, etc.—shall be considered in the selection of the winning solution.

RULES OF CONTEST

1. The contest opened with the February 27 issue. All solutions must be received by Radio Digest not later than midnight of Saturday, May 1. The ninth installment of the story will appear in the April 24 issue. The author's intended and final chapter will appear in the May 15 issue of Radio Digest, together with the announcement of the winners' names.

2. The contest is open to everyone except employes of Radio Digest and their families.

3. Contestants pay no fee and need not be subscribers to Radio Digest. Solutions, however, must be written upon but one side of paper, and names and addresses should be written or printed plainly.

4. The decision of the judges, to be named later in the contest, will be final.

Sport Broadcasts

Basketball
Saturday March 13
WIP, Philadelphia, Pa. (508.2m-590kc), University of Pennsylvania-Princeton, 9 p. m. Eastern time.

Hockey
Tuesday, March 16
WBZ, Springfield, Mass. (333.1m-900kc), Boston Bruins-Montreal, 8 p. m. Eastern time.

Boxing
Friday, March 19
KNX, Hollywood, Calif. (336.9m-890kc), Hollywood Legion stadium, 10 p. m. Pacific time.

According to Percy W. Harris, editorial manager of the Radio Press, London, WGY was one of three American stations to be heard abroad during the International Week tests. WJAZ and WLW were the other two heard well.

A STEP ON THE STAIRS

(Continued from page 7)

what is actually going on in this house I shall show mercy to nobody."

"That is as I would have it Mr. Ardwyn. Draw your chair over closer to the fireplace out of the light from the candle. You need not be afraid of me. I shall be in front of you."

"An excellent arrangement," conceded the lawyer.

So they sat there while the storm whirled at the windows and the mantel clock ticked off the steps on its round toward two o'clock. From across the hall came an occasional voice. But this was not often. The constraint of the situation was not yielding to such amenities as coffee and sandwiches even with the heartening assistance of electric lights.

"I wonder if the candle will last," said the lawyer.

"You may put it out if you wish," suggested Miss Williams.

"It's a question," pondered Ardwyn. "If your supposed visitor sees the light he may hesitate to come in. On the other hand if we have no light and he does come in we shall be no better informed than we were before."

"Light or no light I don't think he will stay long out there in the snow," said the girl . . . "Look—look—the candle. It's going out by itself . . . It's flickering . . . It's gone!"

"A devilish weird performance," commented the lawyer uncomfortably

"Quiet," whispered Mary. "I don't think we'll have long to wait now." They sat tensely, paying no heed to a guffaw, probably Tolliver's, that echoed from one end of the manse to the other like a blatant sacrilege.

"I hear a scratching noise," said the girl in an awed tone that was less than a murmur. "There it is—the draft—don't you feel it? The front door is open . . . Mr. Ardwyn, Mr. Ardwyn, where are you?"

Then silence save for the shrieking of the wind from across the bay, now suddenly audible, a choked curse, a surprised cry and the sounds of a scuffle. A moment later Mary Williams' voice rose in screaming anguish and terror.

"Mr. Ardwyn . . . Mr. Ardwyn . . . It's in the room . . . The 'thing.' I felt it. It's dead cold like a corpse . . . Oh Mr. Ardwyn, speak to me . . . I'm . . . afraid."

Her voice trailed into silence. There followed the crash of a falling body, a groan, the slamming of a door and the noise of many feet dashing across the hall from the library.

"I have a light," came the voice of Hari Singh . . . "Why it's Mr. Ardwyn with blood all over his face . . . And Miss Williams . . . Stand back, please. She's not dead . . . What's this in her hand?" For the first time his voice betrayed a hint of the panic that had seized upon the company.

"It's part of the grave clothes of Peleg Turner . . ."

Who, or what, entered the hunt-room as Mary Williams and Lawyer Ardwyn sat watching? New thrills in this Radio mystery story next week. Once more the phantom "Step On the Stairs" echoes through the hall and an unexpected visitor makes appearance.

Strange Requests

CINCINNATI.—Charles Meade, who reads poems and paragraphs over Crosley WLW here, recently received two strange letters from listeners to his work. One asked to have Robert W. Service give a poem before the microphone.

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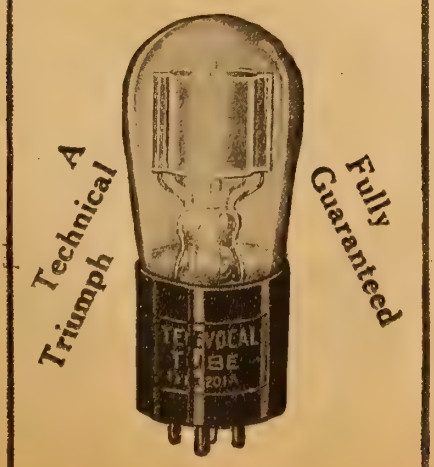

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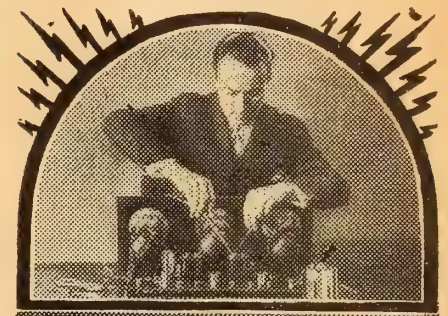

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The Reader's View

Why Radio Royalty?

I have seen the announcement that Senator Dill is to introduce a bill to tighten the copyright law. As a Radio fan I object to the plan he proposes.

In the first place, the old and new laws only considered the permanency and competition of the copy and that is all that should be considered.

The Radio does not copy but simply amplifies, and does not amplify or copy the copyrighted article but the singers' or speakers' voices, which do not belong to the great Society of Authors and Composers.

The singer bought the right to sing the song when he bought the copyrighted copy and may, or should be able to select his audience. Certain rights go with the purchase of a song—it may be sung correctly or poorly, and the only restriction should be on making a copy which might compete with the author's sale.

I claim that the authors should have been paying the broadcasters all this time, instead of the broadcasters paying the authors.

Instead of being competition, it is really a help in making the composition well known and, no doubt, many a sale has been made by Radio making the song popular. It is not a parallel case with the record people as their records were sold in practically direct competition.

I hope that the broadcasters will wake up and say they will refuse to allow any copyrighted matter to be used by the stations and you will see how quickly the "society" will get busy and make arrangements so that their songs may be broadcast. They know they are hogging matters.

I understand there are only about 5 per cent of the composers in the United States in the society and it is claimed they have banded together to limit production. I think they should be tried under the anti-trust law.—H.B.C., Marion, Ohio.

Plea for Consideration

In reading various articles in this column on the subject of classical and jazz music, I notice the writer usually states his or her preference to either of these types of music. That's all right, everyone is entitled to a preference, but don't you think if all you heard when tuning in was classical music or jazz music continuously it would become boresome? The broadcaster can't cater to one particular individual alone, they have to please many thousands, so they are compelled to broadcast a great variety to please them all. And, I think some of these writers must have a set with a small range of tuning for DX, for I can sit down any night and pick up any type of music I prefer to listen to, on just an ordinary 5-tube set you see advertised everywhere. For myself I can find no complaint to offer about the present day music being broadcast. I have no great preference to either type, although jazz appeals to me more than classical music. I like both. However, old-time music is something I don't like. It strikes me as being coarse and harsh, with many repetitions of refrains. But, if you don't like a program, tune it out and don't start hollering about the faults of the station. They are trying to please their audience.

So, why haggle back and forth over this question "Jazz or Classical Music?" You can get both on an ordinary set with no great difficulty.—A.W., Iowa Falls, Iowa.

CLASSIFIED ADVERTISEMENTS

Classified advertisements in Radio Digest produce results. Have you a receiving set to sell? Do you want to buy a Radio? A classified advertisement in this column will sell your set.

Rates are twenty cents a word for each insertion, five per cent discount for four insertions, ten per cent for thirteen insertions, fifteen per cent for twenty-six insertions, twenty per cent for fifty-two insertions. Name and address to be included at above rate. Cash should accompany order. Minimum of ten words.

Objectionable and misleading advertisements not accepted. Forms close three weeks prior to date of publication, which is Saturday.

BLUE PRINTS

Super-Het, Ryan's Simplest Possible 7-Tube Set. Complete instructions, actual size template. How to make a loop. All for 50 cents. Book Dept., Radio Digest, 510 North Dearborn Street, Chicago.

MISCELLANEOUS

Photos of Your Favorite Radio Stars. Ten cents and coupon appearing on another page of this issue will entitle you to one of the photos from Radio Digest gallery of stars. Radio Digest, 510 North Dearborn Street, Chicago.

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RADIO

1,000 Miles on a Crystal Set. Get a Hertzite—the wonderful imported Crystal—the rage of England, $1.00, post free. V. Lavenstein, 190 N. State St., Chicago, Ill.

SALESMEN WANTED

A PAYING POSITION OPEN to representative of character. Take orders shoes—hosiery direct to wearer. Good income. Permanent. Write now. Tanners Shoe Mfg Co., 3-717 C St., Boston, Mass.

ADVANCE PROGRAMS

(Continued from page 21)

KLDS, Independence, Mo. (441m-680kc), 6:30 a. m., service.

KMA, Shenandoah, Iowa (252m-1190kc), 6-7 a. m., Jack Todd's solos; 11:30-12:30, travelogue; G. H. Van Houten, piano solos; 6-7 p. m., Grady and Doc; 9-11, Tabor College conservatory.

KMOX, St. Louis, Mo. (280.2m-1070kc), 12:30 p. m., Arthur L. Utt, organist; 3, string ensemble, soloists; 6, Arthur L. Utt, organist; 6:30, Mrs. Jaques Landree, organist; 7, orchestra; David Bittner, Jr.; Charlotte with ukulele; Buster Brown quartet; 8, orchestra; 9, orchestra; pianologue, Mrs. Madeline Anderson Mattingly; 10, orchestra.

KSD, St. Louis, Mo. (545.1m-550kc), 7:30 p. m., performance of "Carmen;" 8, Mrs. Harry Weil, soprano; 8:30, WEAF; 9, WEAF.

KSO, Clarinda, Iowa (241.8m-1240kc), 7-8 p. m., music; 7:15-8, Arthur Sisters.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9-9:30 p. m., New Arlington hotel orchestra; 9:30-10:25, Phil Baxter and the Jack-o'-Lantern night club; 10:25-10:45, Joe Kuntz and his accordion.

KWWG, Brownsville, Texas (278m-1080kc), 6 p. m., Texas theater orchestra.

KYW, Chicago, Ill. (535.4m-560kc), 12:05-1 p. m., noonday concert; 1-2, luncheon concert, Congress hotel; Coon-Sanders Original Nighthawks; 6-7, dinner music; 9, music hour; 10-12, midnight revue; Coon-Sanders Original Nighthawks; 1-2, Insomnia club.

WAMD, Minneapolis, Minn. (244m-1230kc), 12:01 p. m., classical program; 7:10, Minneapolis school hour, glee club, two operettas; 8, Reception Five musical program; 11, Skyrocket frolic, George Osborn and his orchestra.

WBAP, Fort Worth, Tex. (475.9m-630kc), 12:05-12:30 p. m., musical program; 6-6:30, Chief Gonzales' Texas hotel orchestra; 7:30-8:30, School of Music of Texas Christian university; 9:30-11, Maude Wright's orchestra; 11-12, Panther Hawaiian trio.

WBBM, Chicago, Ill. (226m-1330kc), 4-6 p. m., Harry and Sandy; Harold Morava, tenor; William Dalton, baritone; Joe McManus; Ralph Botthof; 8-10, Two Jays; Jack Crawford's orchestra; Barber Shop three; Ziegler stars; Dave Handler, violinist; Floyd Falch.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6:15 p. m., dinner concert, Emmet Long's Golden Pheasant orchestra; 8, Watkins family party; 9, WEAF; 10:05, dance program, Emmet Long's Golden Pheasant orchestra.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., Trianon ensemble music; 8-9:30, program, Chamber of Commerce; 11:45-1 a. m., Ted Weems' Victor Recording orchestra; Ben Bernie's orchestra.

WEBH, Chicago, Ill. (370-2m-810kc), 3-4 p. m., special features; 7-8, Oriole concert orchestra; Pauline Sachs, soprano; Eleanor Kaplan, violinist; 9-9:45, Oriole dance orchestra; Dennis Sisters; Bernard Weber, tenor; 11-12:30 a. m., Oriole dance orchestra; Irene Beasley, Dennis Sisters.

WEMC, Berrien Springs, Mich. (285.5m-1050kc), 9 p. m., prelude, Martha Hutchison; choir; Bible hour study; duet, Prof. and Mrs. H. Edwards.

WFAA, Dallas, Texas (475.9m-630kc), 4:30-5 p. m., Ewen Hail, vocalist; 6:30-5, Ford's Texas Trumpeters; 8:30-9:30, Mrs. Gabe Cazell and musicians.

WGES, Oak Park, Ill. (250m-1200kc), 5-7 p. m., twilight concert; 8-9, pipe organ; 11-1 a. m., banjo friends; Coyne orchestra; uke girls.

WGN, Chicago, Ill. (302.8m-990kc), 12:40-2:30 p. m., luncheon concert, Drake ensemble, Blackstone string quintet; 2:30-3, Lyon and Healy artists; 3:30-4:15, Tea Time music, Marshall Field's tea room orchestra; 4:30-5, organ recital, Edward Benedict; 6:30-7, concert ensemble, Blackstone string quintet, old-time favorites; 8-9, WEAF program; 9-10, WEAF program; 10-10:10, Sam 'n' Henry; 10:10-10:20, old-time favorites; 10:20-10:40, the Playshop; 10:40-11, popular and dance program.

WHAD, Milwaukee, Wis. (275m-1090kc), 6:15-7 p. m., organ recital, Arthur Richter; 8:30-10, Marquette university studio program, vocal, string quartet, orchestra.

WHAS, Louisville, Ky. (399.8m-750kc), 1-2 p. m., concert, Royal Peacock orchestra; 3:30-4, special music; 4-5, concert; 7:30-8, Connie's orchestra; 8-9, concert, Glee club, County children's home.

WHB, Kansas City, Mo. (365.6m-820kc), 2-3 p. m., Instrumental trio; Dick O'Kane, pianist; Thomas McCluskey, violin and banjoist; Anthony Garerro, cellist; 7-8, vocal solos, duets, readings, violin and piano selections.

WHO, Des Moines, Iowa (525m-570kc), 7:30-9 p. m., Garber family entertainers; 11-12 midnight, Philbreck and his Younger Brothers orchestra.

WHT, Chicago, Ill. (399.8m-750kc), 12 m., Al Carney's complimentary organ recital; 6, classical program; dinner organ recital, Al Carney; Grayling's string trio; Helen Rauh, pianist; Charles Hussey, basso; 6:50, Ray-O-Vac concert; 9:15, musical features; Cinderella Cafe orchestra; 9:30, novelties; 11:30, Pat Barnes and Al Carney; Cinderella Cafe orchestra; 12, Pat Barnes and Al Carney.

WJJD, Mooseheart, Ill. (370.2m-810kc), 12-1 p. m., Palmer House symphonic players; trio; 2-3, organ hour, Howard L. Peterson; child artists; assembly of 1,250 children; 5:30, instrumental hour; Palmer House symphonic players; Jack Nelson; Victorians; 6:40, Billy Van; 8-9, children's hour; 10-11, feature hour; Senator Harold C. Kessinger; Palmer House Victorians; Jean St. Anne; 12:30 a. m., Knights of the Burning Candle.

WKAF, Milwaukee, Wis. (261m-1150kc), 10-11 p. m., program.

WLIB, Chicago, Ill. (302.8m-990kc), 7-7:20 p. m., Uncle Walt's Punch and Judy show; 7:20-7:30, Correll and Gosden; 7:30-8, program; 11-11:20, Correll and Gosden; 11:20-1 a. m., dance music; Correll and Gosden.

WLS, Chicago, Ill. (344.6m-870kc), 12 m., Ford and Glenn; 6 p. m., Ford and Glenn; 6:40, Ralph Emerson, organist; 7, Ford and Glenn; 7:15, young American artists series; Federal Whittlesby, baritone; Clara Seagle, pianist; 8:30, "Elijah"; Little symphony ensemble; 9:50, WLS staff artists; 10, Ford and Glenn; 11-12, Grace and Ralph.

WMAQ, Chicago, Ill. (447.5m-670kc), 2 p. m., Shut-ins program; 6, Chicago theater organ; 6:20, Family Altar league; 6:30, Wide Awake club program; 8:30, Whitney trio; 9:55, chimes.

WMBB, Chicago, Ill. (250m-1200kc), 7-8 p. m., Trianon duo; Vella Cook, contralto; Frank Bordner, baritone; Franklin Kidd, tenor; 9-11, Woodlawn theater orchestra; Joe Warner, character songs; Oxford Girls; Harmony duo.

WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., musical program; 11, midnight frolic.

WOAI, San Antonio, Texas (394.5m-760kc), 3 p. m., Radio Trades association concert; 8:30, San Antonio College of Music.

WOAW, Omaha, Nebr. (526m-570kc), 1 p. m., Randall's Royal Fontenelle orchestra; 4:15, Blah club; 6, music review; 6:20, Francis Potter's banjo orchestra and soloists; 6:50, Gilbert Jaffy, violinist; Nat Young, pianist; 10:30, Frank Hodek and his Nightingale orchestra.

WOC, Davenport, Iowa (483.6m-620kc), 4-5 p. m., musical program; 5:45-6, chimes concert; 7:30-8:30, musical program, St. Paul's church choir; 8:30-9, WEAF; 9-9:30, WEAF; 10:30, dramatic presentation, "The Step On the Stairs."

WOI, Ames, Iowa (270m-1110kc), 12:30 p. m., college chimes.

WOK, Chicago, Ill. (217.3m-1300kc), 4:30-7 p. m., Capitol theater organ; Pat Hoster, tenor; 10-1:30, Tearney's town club orchestra; Carl Lorraine's Pershing Palace orchestra; Husk O'Hare's Cocoanut Grove orchestra; Capitol theater program; program.

WOS, Jefferson City, Mo. (440.9m-680kc), 7:45-8 p. m., Bible class; 8:20-10, Ashland community orchestra; 10, Jack Lindley, ukelele songster.

WORD, Batavia, Ill. (275m-1090kc), 7 p. m., program, North Shore line; 9, program; 10-11:45, program.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., dinner concert, Jack Chapman and his Rainbo Gardens orchestra; Henrietta Nolan, violinist; Billie Harriss, accompanist; Margaret Cade, coloraturo soprano; Madeline Ruff, pianist; 10-1 a. m., Jack Chapman and his Rainbo Skylarks; Dr. H. Lucille Long, woman harmonica player; Eleanor Terry, Melodians, Romo Vincent, boy baritone; Merrill Carder; Johnny Poats, Harold Olson, baritone; Clark's Hawaiian trio; artists; 1-2, Ginger hour, Jack Chapman and Little Skylarks.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., Merry Makers orchestra; 10:45, Nunnally's miniatures symphony orchestra.

WSM, Nashville, Tenn. (282.8m-1060kc), 6:30 p. m., Francis Craig's concert orchestra; 8, Daisy Sartain, pianist, artists; 10, program, Vanderbilt university.

Mountain Time Stations

CFAC, Calgary, Canada. (435.8m-688kc), 7 p. m., Salon broadcast.

CNRE, Edmonton, Can. (516.9m-580kc), 8:30-10:30 p. m., studio program; B. E. McQuaig, pianist; Sydney Healey, violinist; E. Holtsman, baritone; Mrs. A. Davidson, soprano; A. Digney, tenor; 11:15-12, Tom Gardner and his Rialto theater orchestra; Mrs. T. Gardner, soprano; Dennis Clayton, pianist; Leslie Hopper, marimbaphonist.

KFWA, Ogden, Utah (261m-1150kc), 4-5 p. m., organ recital, Paramount theater; 5-6, Radio dealers program.

KOA, Denver, Colo. (322.4m-930kc), 12:15 p. m., Marjorie Nash, organist; 6:30, dinner concert, Brown Palace string orchestra; 8, instrumental program; 8:15, program, minstrel show; incidental music.

KOB, State College, New Mex. (348.6m-860kc), 7:30-8:30 p. m., musical concert.

Pacific Time Stations

CNRV, Vancouver, Can. (291.1m-1030kc), 8:30 p. m., studio program, Wesley church; choir, musical festival; C. Warren, organist; Kitty Laughlin, soprano; Edith White, soloist; 10:30, Cabaret Belmont orchestra, Bebe Mullar, soprano.

KFI, Los Angeles, Calif. (467m-640kc), 5:30-6 p. m., Kenneth Morse's orchestra; 6, Nightly doings; 6:30, vest pocket program; 6:45, Radiotorial period; 7-8, dance program; 8-9, Dan L. McFarland, organist; 9-10, Paul Roberts, pianist; Mutual Motors mirth contest; 10-11, Packard Ballad hour featuring popular songs.

KFOA, Seattle, Wash. (454.3m-660kc), 12:30-1:30 p. m., Seattle Chamber of Commerce program; 7-8:15, Sherman Clay and company studio program; 8:30-10, Times studio program; 10-11, Jackie Souder's Club Lido serenaders.

KFON, Long Beach, Calif. (232.4m-1280kc), 6-6:30 p. m., Brayton's theater organ; 6:30-7, amusement information; 7-8, program, Dalton & Hoagland company; 8-9, Press-Telegram studio; 9-11, Long Beach Elks, No. 888, frolic.

KFWB, Hollywood, Calif. (252m-1190kc), 6-7 p. m., dinner music, Fitzgerald Music company; 8-9, program, John Wright, The Right Tailor with Bill Hatch's orchestra; Peggy Mathews, blues singer; Bill Blake, tenor; 9-10, Len Nash and his original Country Boys orchestra; 10-11, Warner Brothers frolic.

KGO, Oakland, Calif. (361.2m-830kc), 11:30-1 p. m., luncheon music; 3-4, Bertha Gersten, violinist; Clara Anker, accompanist; Marcella Elliott, soprano; Grace Fairlie, contralto; 4-5:30, Hotel St. Francis orchestra; 6-6:55, Brokaw and orchestra.

KGW, Portland, Ore. (491.5m-610kc), 12:30-1:30 p. m., concert, First National bank and the Security Savings and Trust company; 6-7, dinner concert, Olds, Wortman & King company; 8-9, concert; 9-10:30, Sherman, Clay and company, Duo-Art studio; 10:30-12, weekly frolic, Hoot Owls.

KHJ, Los Angeles, Calif. (405.2m-740kc), 8-10 p. m., program, Western Auto Supply company; 10-11, Don Clark's Biltmore hotel dance orchestra.

KJR, Seattle, Wash. (389.4m-780kc), 7-8 p. m., Lundquist-Lilly male quartet, old-time songs; 8:30-10, Post Intelligencer studio program.

KLX, Oakland, Calif. (508.2m-590kc), 8-9:45 p. m., studio program; 9:45-10:30, Athens Athletic club orchestra.

KMTR, Hollywood, Calif. (238m-1260kc), 8-10 p. m., KMTR concert orchestra, Loren Powell, director with Neil Russell as soloist; 10-11, Starr Piano company studio.

KNX, Hollywood, Calif. (336.9m-890kc), 5:30, Leighton's cafeteria orchestra; 6:30-7, Atwater Kent orchestra; 7-8, program, Jell-X-Cell company; 8-9, program, John A. Vaughn corp.; 9-10, Order of Optimistic Donuts; 10-11, fights, Hollywood Legion stadium; 11-12, Ambassador hotel dance orchestra.

KOAC, Corvallis, Ore. (280.2m-1070kc), 7:20 p. m., Arthur Kirkham, tenor; 8-9, music.

KTAB, Oakland, Calif. (240m-1250kc), 9-9:30 a. m., prayer service; 12-1, luncheon concert; 8-10, program, Breuner's.

KWSC, Pullman, Wash. (348.6m-860kc), 7:30 p. m., Norma Sparlin, piano soloist; Evelyn Sparlin, violin soloist; Betty Ransom, vocal soloist.

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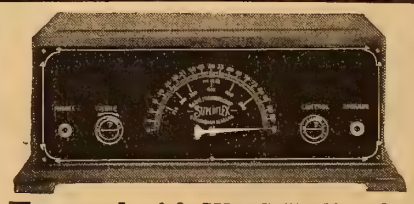

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Radiophone Broadcasting Stations

Corrected Every Week—Part VI

United States Stations by Wave Lengths

Wave length	Frequency (kilocycles)	Power (watts)	Call signal	Location
202.6	1,480	500	KFXB	Big Bear Lk., Cal.
		20	WEHS	Evanston, Ill.
		10	WIBS	Elizabeth, N. J.
204	1,470	500	WABB	Harrisburg, Pa.
205.4	1,460	50	KFVD	San Pedro, Cal.
		10	KFXD	Logan, Utah
		50	KFXY	Flagstaff, Ariz.
		10	KFYF	Oxnard, Calif.
		30	WCBR	Pvdc., R.I. (Ptb.)
		100	WFRL	Brooklyn, N. Y.
		150	WIBX	Utica, N. Y.
206.8	1,450	500	KFWM	Oakland, Calif.
		20	WABW	Wooster, Ohio
		50	WJBA	Joliet, Ill.
208.2	1,441	250	KNRC	H'ywood, Calif.
209.7	1,430	100	KDZB	Bakersf'd, Calif.
		5	KFVU	Eureka, Calif.
		100	KFXC	Santa Maria, Cal.
		10	KFYO	Texarkana, Tex.
		500	WBNY	New York, N. Y.
		100	WCWS	Pawtucket, R. I.
		30	WIBH	New B'df'd, Mass.
		500	WKBK	New York, N. Y.
		1,000	WSBC	Chicago, Ill.
211.1	1,420	50	KFWC	S. Ber'dino, Cal.
		250	KFWO	Avalon, Calif.
		100	WJBQ	Lewisburg, Pa.
212.6	1,410	5	KFWV	Portland, Ore.
		15	WMAL	Wash'ton, D. C.
		500	WMSG	New York, N. Y.
		500	WWGL	R'hm'd Hl., N.Y.
214.2	1,400	250	KFWF	St. Louis, Mo.
		15	KFXR	Okla. City, Okla.
		150	WCLS	Joliet, Ill.
		100	WKBB	Joliet, Ill.
215.7	1,390	100	KFBC	San Diego, Calif.
		50	KFQW	N. Bend, Wash.
		50	KFUU	Oakland, Calif.
		10	KFXJ	Colorado (Ptb.)
		50	WBBZ	(Portable)
		50	WHBL	Chicago, Ill.
		20	WHBM	Chicago, Ill.
		100	WHBW	Phila'phia, Pa.
		50	WIBJ	(Portable)
		10	WIBM	(Portable)
		100	WKBG	Ch'go, Ill. (Ptb.)
		100	WPRC	Harrisburg, Pa.
		250	WRST	Bay Shore, N. Y.
217.3	1,380	50	KFAF	San Jose, Calif.
		100	KFQU	Alma, Calif.
		500	WFKB	Chicago, Ill.
		5,000	WOK	Chicago, Ill.
218.8	1,370	10	KFJC	Junct'n City, Kan.
		50	KFRW	Olympia, Wash.
		10	KFVH	Manhattan, Kan.
		10	WHBU	Anderson, Ind.
		50	WIBI	Flushing, N. Y.
		250	WJBI	Red Bank, N. J.
		50	WJBP	Buffalo, N. Y.
220.4	1,360	50	KFUU	Oakland, Calif.
		500	KFWI	S'n Fr'n'co, Cal.
		5	KJBS	San Fran'co, Cal.
		100	WIBW	Logansport, Ind.
		500	WQAA	Parkesburg, Pa.
222	1,350	50	WBBW	Norfolk, Va.
		100	WBES	Takoma Pk., Md.
		20	WHBD	Bellef'taine, O.
		100	WHBF	Rock Island, Ill.
		100	WHBH	Culver, Ind.
		50	WIBG	Elkins Park, Pa.
		20	WIBU	Poynette, Wis.
		500	WCOA	Pensacola, Fla.
223.7	1,340	100	KFBL	Everette, Wash.
		10	KFQP	Iowa City, Iowa
		100	KFUR	Ogden, Utah
		50	KFVS	C'pe Gir'd'u, Mo.
		10	WBBR	Monmouth, Ill.
		10	WJBG	Charlotte, N. C.
		50	WKAY	Laconia, N. H.
		250	WODA	Paterson, N. J.
		100	WRAF	Laporte, Ind.
225.4	1,330	10	KFGQ	Boone, Iowa
		10	KFIU	Juneau, Alaska
		10	KFKZ	Kirksville, Mo.
		50	KFOB	Burlingame, Cal.
		20	KFOR	David City, Nebr.
		500	KFWI	San Fran'co Cal.
		250	KFQZ	Hollywood, Calif.
		50	WAGM	Royal Oak, Mich.
		1,500	WBBM	Chicago, Ill.
		150	WDAD	Nashville, Tenn.
		100	WEBL	U. S. (Portable)
		10	WEBQ	Harrisburg, Ill.
		20	WFBE	Seymour, Ind.
		1,000	WIBO	Chicago, Ill.
227	1,320	100	KFQD	Anchorage, Alas.
		50	KFVN	Welcome, Minn.
		10	KFXM	Beaumont, Tex.
		100	WDBK	Cleveland, Ohio
		500	WOWO	Ft. Wayne, Ind.
228.9	1,310	200	KFLV	Rockford, Ill.
		1,000	KMMJ	Clay C'r. Nebr.
		50	KPPC	Pasadena, Calif.
		10	WAIT	Taunton, Mass.
		100	WBBL	Richmond, Va.
		50	WCBM	Baltimore, Md.
		50	WDBJ	Roanoke, Va.
		10	WGBR	Marshfield, Wis.
		250	WSAJ	Grove City, Pa.
		100	WSAN	Allentown, Pa.
230.6	1,300	5	KDLR	Devils Lk., N. D.
		50	KFAN	Moscow, Idaho
		10	KFDZ	Min'polis, Minn.
		50	KFOT	Wichita, Kan.
		500	KFPR	Los Angeles, Cal.
		500	KQP	Portland, Ore.
		500	KQW	San Jose, Calif.
		500	KUT	Austin, Tex.
		100	WBRE	W'kes-Ba'e, Pa.
		50	WCLO	Camp Lake, Wis.
		20	WHBG	Harrisburg, Pa.
		10	WHBK	Ellsworth, Me.
		10	WIBZ	Montgom'y, Ala.
230.6	1,300	100	WKBE	Webster, Mass.
		50	WTAX	Streator, Ill.
232.4	1,290	10	KFEY	Kellogg, Idaho
		500	KFON	Long Beach, Cal.
		10	WDBZ	Kingston, N. Y.
		20	WHBM	Ch'go, Ill. (Ptb.)
		50	WHBQ	Memphis, Tenn.
		100	WJBD	Ashland, Wis.
		10	WJBK	Ypsilanti, Mich.
		50	WOKO	New York, N. Y.
234.2	1,280	50	KFUP	Denver, Colo.
		50	KFUS	Oakland, Calif.
		50	KGTT	San Fran'co, Cal.
		50	KMJ	Fresno, Calif.
		10	WEBE	Cambridge, O.
		5	WFBD	Phila'phia, Pa.
		100	WFDF	Flint, Mich.
		100	WGBM	Providence, R. I.
		10	WHBJ	Ft. Wayne, Ind.
		100	WJBC	La Salle, Ill.
236.1	1,270	10	KFLU	San Benito, Tex.
		250	KFOO	Salt Lk. Cy., Utah
		15	KFVG	In'pendence, Kan.
		100	KWKC	Kansas Cy., Mo.
		500	WBOQ	R'hm'd H., N.Y.
		500	WFBI	Camden, N. J.
		50	WFBJ	Collegev'e, Minn.
		500	WGBF	Evansville, Ind.
		100	WGMU	R'hm'd H., N.Y.
		100	WIBA	Madison, Wis.
		100	WRMU	R'hm'd H., N.Y.
		50	WTAD	Carthage, Ill.
238	1,260	15	KFBS	Trinidad, Colo.
		100	KFCB	Phoenix, Ariz.
		100	KFWU	Pineville, La.
		10	KFYJ	Houston, Tex.
		500	KMTR	Hollywood, Cal.
		200	WBBP	Petoskey, Mich.
		500	WCUW	Worc'ter, Mass.
		3,500	WHT	Chicago, Ill.
		10	WHBN	St. Pet'sb'g, Fla.
		10	WRAW	Reading, Pa.
239.9	1,250	10	KFHL	Oskaloosa, Iowa
		10	KFLX	Galveston, Tex.
		10	KFRL	Grd. Forks, N. D.
		500	KFVE	Un'sity City, Mo.
		10	KFVI	Houston, Tex.
		1,000	KTAB	Oakland, Calif.
		100	WABI	Bangor, Me.
		50	WCAT	Rapid City, S. D.
		500	WDBO	Winter Pk., Fla.
		10	WGBI	Scranton, Pa.
		500	WHAP	Brooklyn, N. Y.
		500	WOAX,	Trenton, N. J.
		20	WSMH	Owosso, Mich.
241.8	1,240	50	KFFP	Moberly, Mo.
		10	KFPM	Greenville, Tex.
		50	KFXH	El Paso, Tex.
		500	KSO	Clarinda, Iowa
		100	KZM	Oakland, Calif.
		50	WABY	Philadelphia, Pa.
		50	WCBH	Oxford, Miss.
		100	WCBQ	Nashville, Tenn.
		100	WEBC	Superior, Wis.
		1,000	WOOD	Gr'd R'ds, Mich.
		50	WTAP	Cambridge, Ill.
		500	WWAE	Plainfield, Ill.
243.8	1,230	50	KFVR	Denver, Colo.
		500	KUOM	Missoula, Mont.
		1,000	WAMD	Mi'apolis, Minn.
		50	WEBR	Buffalo, N. Y.
		100	WGBB	Freeport, N. Y.
		100	WNAX	Yankton, S. D.
		100	WRAM	Galesburg, Ill.
		50	WSAZ	Pomeroy, Ohio
245.8	1,220	50	KDYL	Salt Lk. Cy., Utah
		10	KFJI	Astoria, Ore.
		50	KFJY	Ft. Dodge, Ia.
		500	KFVW	San Diego, Cal.
		5	KGY	Lacey, Wash.
		500	WABX	Mt. Cle'ns, Mich.
		5,000	WBAL	Baltimore, Md.
		15	WEBD	Anderson, Ind.
		50	WIBR	Weirton, W. Va.
		50	WQAE	Springfield, Vt.
		500	WRR	Dallas, Tex.
		500	WSOE	Milwaukee, Wis.
247.8	1,210	100	KFBK	Sacramento, Cal.
		10	KFCC	Helena, Mont.
		50	KFEC	Portland, Ore.
		100	KFIF	Portland, Ore.
		10	KFJB	Marshallt'n, Ia.
		100	KFOX	Omaha, Nebr.
		250	KFRB	Beeville, Tex.
		10	KFSY	Helena, Mont.
		10	KFUZ	Virginia, Minn.
		10	KFYR	Bismarck, N. D.
		50	KWG	Stockton, Calif.
		500	WAPI	Auburn, Ala.
		50	WBRC	Birm'gham, Ala.
		100	WCSO	Sp'gfield, Mo.
		1,000	WEW	St. Louis, Mo.
		10	WGAL	Lancaster, Pa.
		1,000	WIOD	Miami, Fla.
		100	WMAY	St. Louis, Mo.
		100	WNBH	Ma'pois't, Mass.
249.9	1,200	100	KFDX	Shreveport, La.
		10	KFVY	Albuq'que, N. M.
		1,200	KFXF	Colo. Sp'gs, Colo.
		250	KLS	Oakland, Calif.
		100	KMO	Tacoma, Wash.
		250	KUO	San Fr'isco, Cal.
		20	KZIB	Manila, P. I.
		50	WFBC	Knoxville, Tenn.
		500	WGES	Oak Park, Ill.
		10	WHBA	Oil City, Pa.
		100	WIAD	Philadelphia, Pa.
		100	WLAL	Tulsa, Okla.
		500	WMBB	Chicago, Ill.
		100	WNAB	Boston, Mass.
		100	WNAT	Philadelphia, Pa.
		100	WQAN	Scranton, Pa.
		250	WWAD	Phila'phia, Pa.
252	1,190	50	KFHA	Gunnison, Colo.
		50	KFOY	St. Paul, Minn.
		15	KFPL	Dublin, Texas
		10	KFUV	Sp'gfield, Mo.
		500	KFWB	Hollyw'd, Calif.
		500	KMA	Shenandoah, Ia.
		200	KOCW	Chickasha, Okla.
		50	KWUC	LeMars, Ia.
		50	WBBS	New Orleans, La.
		100	WCAX	Burlington, Vt.
		100	WFBL	Syracuse, N. Y.
		100	WGBX	Orono, Maine
		500	WGCP	New York, N.Y.
252	1,190	500	WNJ	Newark, N. J.
		100	WRCO	Raleigh, N. C.
		50	WRHM	Min'polis, Minn.
		100	WSRO	Hamilton, Ohio
		10	WTAL	Toledo, Ohio
254.1	1,180	50	KFEL	Denver, Colo.
		50	KFJZ	Ft. Worth, Tex.
		100	KFLR	Albuq'que, N.M.
		100	KFWH	Chico, Calif.
		20	WABC	Asheville, N. C.
		500	WCAJ	Uni. Place, Nebr.
		15	WCBA	Allentown, Pa.
		500	WEAI	Ithaca, N. Y.
		100	WFBR	Baltimore, Md.
		10	WFBZ	Galesburg, Ill.
		10	WHBC	Canton, Ohio
		100	WIAS	Burlington, Ia.
		50	WJAK	Kokomo Ind.
		10	WJBB	St. P't'rsb'g, Fla.
		500	WNAD	Norman, Okla.
		10	WREC	Coldwater, Miss.
		100	WSAR	Fall River, Mass.
		100	WTAQ	Osseo, Wis.
256.3	1,170	100	KFIQ	Yakima, Wash.
		150	KRE	Berkeley, Calif.
		500	KOWW	W'laW'la, Wsh.
		500	KTNT	Muscatine, Ia.
		100	WBAX	Wilkes-Ba'e, Pa.
		500	WBDC	Gd. Rpds., Mich.
		500	WCSH	Portland, Me.
		500	WDOD	Chat'nooga, Tenn.
		100	WHBP	Johnstown, Pa.
		100	WMBC	Detroit, Mich.
		50	WRHF	Wash'g'n, D. C.
		1,000	WRVA	Richmond, Va.
258.5	1,160	20	KFPW	Carterville, Mo.
		50	KFUL	Galveston, Tex.
		250	KOCH	Omaha, Neb.
		150	KRE	Berkeley, Calif.
		25	WAAD	Cincinnati, O.
		500	WADC	Akron, Ohio
		50	WDBC	Lancaster, Pa.
		100	WHEC	Rochester, N. Y.
		100	WLTS	Chicago, Ill.
		50	WNAL	Omaha, Nebr.
		500	WPCC	Chicago, Ill.
		500	WRNY	New York, N.Y.
260.7	1,150	100	KFAJ	Boulder, Colo.
		500	KFJF	Okla. C., Okla.
		100	KFMR	Sioux City, Ia.
		100	KFUT,	S. L. City, Utah
		500	KFWA	Ogden, Utah
		500	KWKH	Shreveport, La.
		750	WABQ	Haverford, Pa.
		50	WDAY	Fargo, N. D.
		250	WEAM	N. Pl'nf'd, N.J.
		500	WKAF	Milwaukee, Wis.
		500	WMAZ	Macon, Ga.
		500	WPSC	State Col., Pa.
		100	WSKC	Bay City, Mich.
		100	WSSH	Boston, Mass.
		50	WTAR	Norfolk, Va.
		15	WTAZ	Lambertv'e, N.J.
263	1,140	50	KFJR	Portland, Ore.
		50	KFMW	Houghton, Mich.
		500	KFNF	Shenandoah, Ia.
		50	KTBR	Portland, Ore.
		500	WBPI	Newark, N. J.
		50	WABR	Toledo, Ohio
		500	WCAD	Canton, N. Y.
		1,500	WCAR	San Antonio, Tex.
		5	WCBE	New Orleans, La.
		100	WDAG	Amarillo, Tex.
		50	WEBZ	Savannah, Ga.
		500	WHAT	Min'polis Minn.
		100	WQAM	Miami, Fla.
		100	WRAV	Yellow Spgs., O.
		250	WSDA	New York, N.Y.
		250	WWAO	Houghton, Mich.
265.3	1,130	50	KFFP	Moberly, Mo.
		100	KFPY	Spokane, Wash.
		250	KLZ	Denver, Colo.
		500	WBCN	Chicago, Ill.
		1,000	WENR	Chicago, Ill.
		500	WGHB	Clearwater, Fla.
		100	WHAV	Wilm'gton, Del.
		500	WMAK	Lockport, N. Y.
		10	WTAB	Fall River, Mass.
		500	WWI	Dearborn, Mich.
267.7	1,120	500	KFEQ	Oak, Neb.
		500	KFH	Wichita, Kan.
		50	KFRC	San Fran'co, Cal.
		10	WBBY	Charleston, S.C.
		50	WDAH	El Paso, Tex.
		100	WDRC	N. Haven, Conn.
		500	WEBW	Beloit, Wis.
		250	WFBM	Ind'napolis, Ind.
		100	WJAM	Cedar Rp'ds, Ia.
		500	WNOX	Knoxville, Tenn.
		100	WQAM	Miami, Fla.
		500	WRAX	Gloucester, N. J.
		100	WSAX	Chicago, Ill.
		500	WTAG	Worcester, Mass.
270.1	1,110	500	KFBU	Laramie, Wyo.
		500	KGU	Honolulu, Hawaii
		100	WBAO	Decatur, Ill.
		500	WBAR	Sisiht, Wis.
		100	WDBE	Atlanta, Ga.
		500	WEAN	Providence, R.I.
		1,500	WGHP	Detroit, Mich.
		500	WGST	Atlanta, Ga.
		200	WJAG	Norfolk, Neb.
		500	WJBL	Decatur, Ill.
		500	WOI	Ames, Iowa
		10	WOWL	N. Orleans, La.
		200	WRK	Hamilton, Ohio
		250	WTAW	Col'ge Sta., Tex.
272.6	1,100	100	KFAD	Phoenix, Ariz.
		50	KFDY	Brookings, S. D.
		100	KFIZ	Fond du Lac, Wis.
		50	KFKA	Greeley, Colo.
		100	KFLZ	Anita, Iowa
		1,000	KHQ,	Spokane, Wash.
		100	KZKZ	Manila, P. I.
		100	WAAB	New Orleans, La.
		250	WBAA	W. Laf'ette, Ind.
		500	WBBR	New York, N. Y.
		250	WDAE	Tampa, Fla.
		100	WEBJ	New York, N. Y.
		10	WFAM	St. Cloud, Minn.
		500	WFBH	Rich'd Hill, N.Y.
		1,000	WHK	Cleveland, Ohio
		250	WIL	St. Louis, Mo.
		500	WRM	Urbana, Ill.
272.6	1,100	500	WRW	Tarrytown, N. Y.
		250	WSBF	St. Louis, Mo.
275.1	1,090	50	KFBB	Havre Mont.
		500	KFKU	Lawrence, Kan.
		500	KFSG	Los Angeles, Cal.
		500	KQV	Pittsburgh, Pa.
		50	WABZ	N. Orleans, La.
		500	WAFD	Pt. Huron, Mich.
		500	WBAK	Harrisburgh, Pa.
		500	WCAC	Storrs, Conn.
		100	WCAO	Baltimore, Md.
		100	WEAU	Sioux City, Ia.
		500	WFAV	Lincoln, Neb.
		500	WHAD	Milwaukee, Wis.
		500	WHAR	Atlan. Cy, N. J.
		500	WJAS	Pittsburgh, Pa.
		100	WKY	Oklahoma, Okla.
		20	WLAP	Louisville, Ky.
		100	WMAC	Cazenovia, N. Y.
		15	WOCL	Jamest'n, N. Y.
		5,000	WORD	Batavia, Ill.
		100	WPAK	Agr. Col., N. D.
		250	WSBT	South Bend, Ind.
		500	WSMK	Dayton, Ohio
		1,000	WSWS	Chicago, Ill.
		100	WWL	New Orleans, La.
277.6	1,080	50	KFDD	Boise, Idaho
		100	KFJM	Gd. Forks, N. D.
		500	KOIL	C'ncil Bluffs, Ia.
		200	KUSD	Vermillion, S.D.
		500	KWCR	Cd. Rpds., Ia.
		500	KWWG	Brownsvle., Tex.
		200	WAAF	Chicago, Ill.
		100	WABO	Rochester, N. Y.
		500	WCAU	Phila'phia, Pa.
		100	WDZ	Tuscola, Ill.
		100	WFBG	Altoona, Pa.
		10	WGBC	Memphis, Tenn.
		500	WGBU	Flfd. By-Sea, Fl.
		100	WHAM	Rochester, N. Y.
		500	WHDI	Minneap., Minn.
		500	WLBL	Stevens Pt., Wis.
		50	WMAN	Columbus, O.
		1,000	WOQ	Kansas City, Mo.
		500	WRBC	Valparaiso, Ind.
280.2	1,070	1,500	KFQA	St. Louis, Mo.
		1,500	KMOX	St. Louis, Mo.
		500	KOAC	Corvallis, Ore.
		500	WNAC	Boston, Mass.
282.8	1,060	1,500	KFQA	St. Louis, Mo.
		750	KFAU	Boise, Idaho
		500	WOAN	Lawrcebg., Tenn.
		1 000	WSM	Nashville, Tenn.
285.5	1,050	1,500	WEMC	Ber. Spgs., Mich.
		1,000	WKAR	E. Lans'g, Mich.
		500	WREO	Lansing, Mich.
288.3	1,040	5,000	KFKX	Hastings, Neb.
		1,500	WLWL	New York, N.Y.
293.9	1,020	750	KTBI	Los Angeles, Cal.
		500	WAIU	Columbus, O.
		500	WEAO	Columbus, O.
296.9	1,010	750	KPRC	Houston, Tex.
299.8	1,000	750	KFMQ	Fayettv'le, Ark.
		1,000	KSL	Salt Lake City, Utah
		500	WPG	Atlan. Cy., N. J.
302.8	990	1,000	WGN	Chicago, Ill.
		4,000	WLIB	Elgin, Ill.
305.9	980	1,000	KTCL	Seattle, Wash.
		500	WJAR	Providence, R. I.
309.1	970	1,000	KDKA	Pittsburgh, Pa.
315.6	950	500	KFDM	Beaumont, Tex.
		1,000	KPSN	Pasadena, Cal.
		500	WAHG	Rich'd. H., N. Y.
		500	WGBS	New York, N. Y.
319	940	750	WGR	Buffalo, N. Y.
		500	WSMB	N. Orleans, La.
322.4	930	5,000	KOA	Denver, Colo.
		1,500	WJAZ	Chicago, Ill.
325.9	920	5,000	WSAI	Cincinnati, O.
		1,000	WKRC	Cincinnati, O.
333.1	900	2,000	WBZ	Springf'd, Mass.
336.9	890	500	KFMX	Northfd., Minn.
		1,000	KNX	Los Angeles, Cal.
		500	WCAL	Northfd., Minn.
		500	WJAX	Jacksonville Fla.
340.7	880	1,000	KFAB	Lincoln, Neb.
		500	KSAC	Manhat'n., Kan.
		500	WKAQ	S. Juan, P. R.
		500	WMCA	New York, N. Y.
344.6	870	5,000	WCBD	Zion, Ill.
		5,000	WLS	Chicago, Ill.
348.6	860	1,000	KOB	State Col., N. M.
		500	KWSC	Pullman, Wash.
		500	WEEI	Boston, Mass.
352.7	850	500	WJAD	Waco, Tex.
		1,000	WWJ	Detroit, Mich.
360	833	500	KZUY	Baguio, P. I.
		100	WQAO	New York, N. Y.
361.2	830	3,000	KGO	Oakland, Cal.
		500	WHN	New York, N. Y.
365.6	820	1,000	WDAF	Kan. City, Mo.
		500	WHB	Kan. City, Mo.
370.2	810	1,500	WEBH	Chicago, Ill.
		1,000	WJJD	Mooseheart, Ill.
374.8	800	750	KTHS	Hot Springs, Ark.
		500	KVOO	Bristow, Okla.
		500	KZRQ	Manila, P. I.
379.5	790	5,000	WGY	Schenectady, N.Y.
		1,000	WHAZ	Troy, N. Y.
384.4	780	1,000	KJR	Seattle, Wash.
		500	WAAW	Omaha, Neb.
		500	WMBF	Miami B., Fla.
389.4	770	1,000	WEAR	Cleveland, O.
		1,500	WTAM	Cleveland, O.
394.5	760	500	WFI	Philadelphia, Pa.
		500	WLIT	Philadelphia, Pa.
		2,000	WOAI	S. Antonio, Tex.
399.8	750	500	WHAS	Louisville, Ky.
		3,500	WHT	Chicago, Ill.
405.2	740	500	KHJ	Los Angeles, Cal.
		1,000	WJY	New York, N. Y.
		500	WOR	Newark, N. J.
416.4	720	5,000	WCCO	Minn.-St.P., Mn.
422.3	710	1,000	WKRC	Cincinnati, O.
		5,000	WLW	Cincinnati, O.
428.3	700	1,000	KPO	San Fran., Cal.
		1,000	WSB	Atlanta, Ga.
434.5	690	750	AT9	Fort Bragg, N. C.
		1,000	NAA	Radio, Va.
440.9	680	1,000	KLDS	Independ., Mo.
		500	WDWF	Providence, R.I.
440.9	680	1,000	WMAF	Dartmth., Mass.
		500	WOS	Jefferson Cy., Mo.
447.5	670	1,000	WMAQ	Chicago, Ill.
		500	WQJ	Chicago, Ill.
454.3	660	1,000	KFOA	Seattle, Wash.
		1,000	KTW	Seattle, Wash.
		1,000	WJZ	New York, N. Y.
461.3	650	500	WCAE	Pittsburgh, Pa.
467	642	4,000	KFI	Los Angeles, Cal.
468.5	640	500	WCAP	Washing'n, D. C.
		500	WRC	Washing'n, D. C.
475.9	630	1,500	WBAP	Ft. Worth, Tex.
		500	WFAA	Dallas, Tex.
		500	WTIC	Hartford, Conn.
483.6	620	5,000	WOC	Davenport, Iowa
		500	WSUI	Iowa City, Ia.
491.5	610	500	KGW	Portland, Ore.
		5,000	WEAF	New York, N. Y.
499.7	600	500	KFRU	Columbia, Mo.
		500	WMC	Memphis, Tenn.
508.2	590	1,000	KFQB	Ft. Worth, Tex.
		500	KLX	Oakland Cal.
		500	WIP	Philadelphia, Pa.
		500	WOO	Philadelphia, Pa.
516.9	580	5,000	WCX	Detroit, Mich.
		5,000	WJR	Pontiac, Mich.
526	570	5,000	WHO	Des Moines, Ia.
		1,000	WNYC	New York, N. Y.
		1,000	WOAW	Omaha, Neb.
535.4	560	3,500	KYW	Chicago, Ill.
		750	WHA	Madison, Wis.
545.1	550	500	KFUO	St. Louis, Mo.
		500	KSD	St. Louis, Mo.

CANADIAN STATIONS BY WAVE LENGTHS

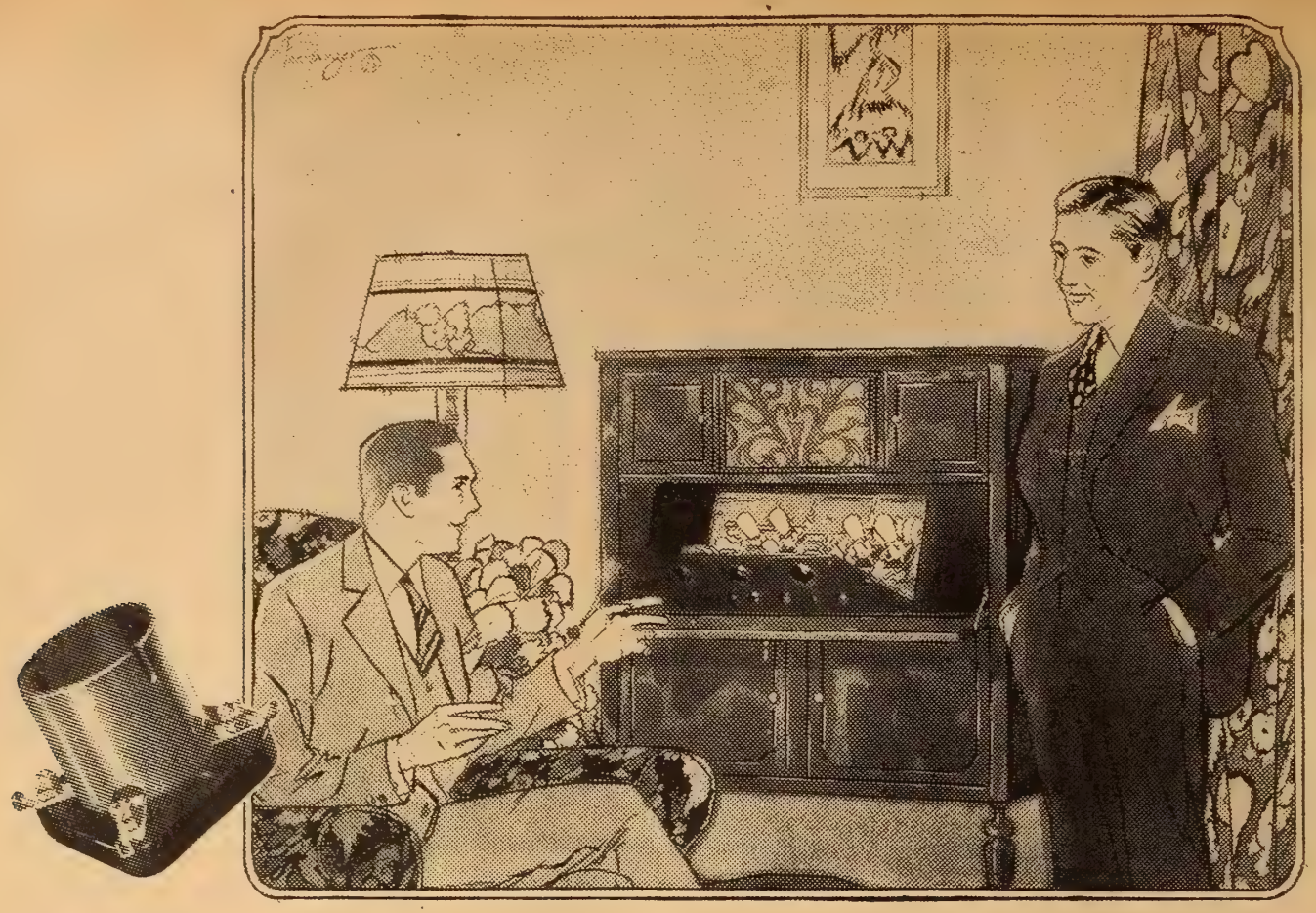
Wave length	Frequency (kilocycles)	Power (watts)	Call signal	Location
247.8	1,210	75	CFKC	Thorold, Ont.
267.7	1,120	29	CFMC	Kingston, Ont.
		500	CFRC	Kingston, Ont.
		20	CFYC	New Wstmtr., B.C.
291.1	1,080	20	CFXC	New Wstmtr., B.C.
		500	CJYC	Toronto, Ont.
		500	CNRA	Moncton, Can.
		500	CNRV	Vancouver, B. C.
312.3	960	50	CFCY	Charlotn., P.E.I.
329.5	910	500	CFCT	Victoria, B. C.
		500	CFQC	Saskatoon, Sask.
		200	CHUC	Saskatoon, Sask.
		500	CJGC	London, Ont.
		250	CJWC	Saskatoon, Sask.
		5,000	CKCW	Brktn. Jct., Ont.
		500	CNRS	Saskatoon, Sask.
340.7	880	10	CHCS	Hamilton, Ont.
		50	CKOC	Hamilton, Ont.
356.9	840	500	CFCA	Toronto, Ont.
		500	CHIC	Toronto, Ont.
		500	CHNC	Toronto, Ont.
		250	CHSC	Unity, Sask.
			CJBC	Toronto, Ont.
		50	CJCD	Toronto, Ont.
		500	CJSC	Toronto, Ont.
		500	CKCL	Toronto, Ont.
		500	CKNC	Toronto, Ont.
		500	CNRT	Toronto, Ont.
384.4	780	500	CKY	Winnipeg, Man.
		500	CNRW	Winnipeg, Man.
410.7	730	1,650	CFCF	Montreal, Que.
		10	CFCQ	Vancouver, B. C.
		850	CHYC	Montreal, Que.
		500	CJKC	Burnaby, B. C.
		1,200	CKAC	Montreal, Que.
		750	CKCD	Vancouver, B. C.
		50	CKFC	Vancouver, B. C.
		1,000	CNRM	Montreal, Que.
435.8	688	500	CFAC	Calgary, Alta.
		1,800	CFCN	Calgary, Alta.
		750	CHCM	Calgary, Alta.
		250	CHXC	Ottawa, Ont.
		100	CKCO	Ottawa, Ont.
		750	CNRC	Calgary, Alta.
		500	CNRO	Ottawa, Ont.
476	640	1,000	CKCK	Regina, Sask.
		1,000	CNRR	Regina, Sask.
483.6	620	500	CFCU	Hamilton, Ont.
499.7	600	250	CFCH	Iroquois, Ont.
516.9	580	100	CFCK	Edmonton, Alta.
		500	CJCA	Edmonton, Alta.
		500	CNRE	Edmonton, Alta.

CUBAN STATIONS BY WAVE LENGTHS

Wave length	Frequency (kilocycles)	Power (watts)	Call signal	Location
200	1,500	20	5AZ	Mantanazs
		10	6HS	Santa Clara
		20	6YR	Camaguey
210	1,430	10	2RM	Havana
225	1,333	10	6DW	Santa Clara
		10	7AZ	Camaguey
		15	8FU	Santiago
		20	8JQ	Santiago
230	1,304	20	2TW	Havana
235	1,277	10	2AB	Havana
		10	2LR	Havana
		20	7BY	Camaguey
240	1,250	20	8AZ	Santiago
250	1,200	50	Q2LC	Havana
		10	6GR	Santa Clara
		10	6JQ	Santa Clara
		100	8BY	Santiago
255	1,176	15	2BB	Havana
260	1,153	200	6BY	Santa Clara
265	1,132	10	2UF	Havana
270	1,110	20	2JP	Havana
275	1,090	5	1AZ	Havana
		5	2JL	Havana
280	1,070	20	2MG	Havana
295	1,016	100	2HP	Havana
300	1,000	100	2OL	Havana
310	967	100	2RK	Havana
315	952	100	2BY	Havana
320	937	10	2CX	Havana
338	890	4,000	6KW	Twinucu
350	857	10	2CG	Havana
		500	7SR	Elia
355	845	400	2EP	Havana
360	833	100	2OK	Havana
		10	5EV	Colon
400	750	500	PWX	Havana

MEXICAN STATIONS BY WAVE LENGTHS

Wave length	Frequency (kilocycles)	Power (watts)	Call signal	Location
260	1,153		CYF	Oaxaca, Mex.
265	1,130		CYA	Mexico City, Mex.
310	967		CYS	Mexico City, Mex.
			CZF	Chih'u City, Mex.
325	923		CYH	Mexico City, Mex.
333	900		CYX	Mexico City, Mex.
350	857		CZE	Mexico City, Mex.
380	790		CYB	Mexico City, Mex.
400	750		CYZ	Mexico City, Mex.
480	625		CYL	Mexico City, Mex.



C-H

The mark of Quality whether you buy or build. Insist upon C-H *radio products for highest efficiency in your new set.*

"That's Not Only a Beautiful Set, Fred; It Has Been Carefully Designed—Those Sockets Prove It!"

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Acme Apparatus Co.
American Bosch Magneto Co.
Astral Radio Corporation
Boissier Radio Corporation
Chelsea Radio Co.
Crosley Radio Corporation
Dayton Fan & Motor Co.
Dictagraph Products Co.
Dubilier Condenser & Radio Corporation
Electrad, Inc.
Freed-Eisemann Radio Corp.
Garod Corporation
Gilfillan Bros., Inc.
Allen T. Hamscomb
Harding Mfg. Co.
Howard Radio Co.
The Keyport Laboratories
King Electric Mfg. Co.
Kodel Radio Corporation
LeMor Radio, Inc.
Magnus Electric & Radio Co.
Malone-Lemmon Laboratories
Glenn L. Martin Co.
Wm. J. Murdock
Newport Radio Co.
Phanstiehl Mfg. Co.
Philadelphia Storage Bat. Co.
Radio Master Corp. of America
The Radio Compak Co.
R. B. Radio Co.
Robbins Radio Co.
Signal Electric Co.
Silver-Marshall Co.
Simplex Radio Co.
R. E. Thompson Co., Inc.
J. S. Timmons
Workrite Mfg. Co.
Zenith Radio Co.

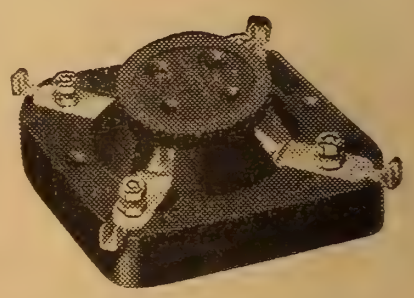
"YOU can always tell a carefully designed set by its parts"—any radio set manufacturer will tell you so.

That's why you find so many sets on the market today with C-H sockets, rheostats and switches. For manufacturers know by careful testing the advantages that hundreds of thousands of radio fans have found in C-H features through years of "building their own."

C-H Low Loss Sockets, for instance, settle once and for all one of the most annoying of all set troubles—loose contacts at the tube prongs. In C-H sockets each tube prong is firmly held in the one piece, *silver-plated*, double grip contacts. Jarring of the set or corrosion cannot alter the perfect contact. They are easily wired and give a finished appearance to any set.

So whether you buy or build—look for the C-H trade mark. It is a guarantee of satisfaction.

THE CUTLER-HAMMER MFG. CO.
Member Radio Section, Associated Manufacturers of Electrical Supplies
1207 St. Paul Ave.
MILWAUKEE, WISCONSIN



The New C-H *UX Socket for the new UX tubes. Same* C-H *one piece, low loss* SILVER *plated, double grip contacts as in the* C-H *original low loss socket with the* ORANGE *shell. Heat proof Thermoplax body—terminals cannot loosen under heat of soldering iron.*

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The lugs at the end of the contacts are designed for easy soldering and may be bent down for under wiring.

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— Radio Parts for Performance —

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"A Step On the Stairs" in Story Form

Radio Digest

EVERY WEEK

Illustrated PROGRAMS

TEN CENTS

Vol. XVI No. 11

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MARCH 20, 1926

A Study of Hoover as a Real Radio Fan; Fourth Installment of "A Step On the Stairs"; Ladies Like to Hear KOA's Chat; How to Prepare for and Serve the Company Dinner

SOS MYSTERY PLAY MAKES HIT OVER AIR

"A STEP ON THE STAIRS" IS HIGHLY PRAISED

Congratulatory Letters and Telegrams Pour Into Radio Digest from Radio Authorities

Letters and telegrams from all sections of the country confirm the opinions expressed by studio directors and Radio entertainment specialists that the Radio mystery story, "A Step On the Stairs," written especially for Radio Digest, came at the psychological moment when a change in the trend of broadcast programs seemed imperative.

The dramatization of the story into Radario form by Fred Smith has supplied the happy medium between the super abundance of jazz and the extremes of the classical.

Here is the telegram from J. Andrew White, king of descriptive announcers in New York:

"'Step On the Stairs' has them all licked Best thing of the kind I've heard. Played straight by listening at home with the lights turned low, so this is not applesauce. Heaviest congratulations.—J. Andrew White."

Shut-Ins Like Play

A shut-in so blind she had to have another write her letter for her sent this message as typical of the most critical of all kinds of listeners; to the WNAC station at Boston—conservative old Boston:

"I want to send you just a line to tell you how much I enjoyed the first installment of 'A Step On the Stairs.' It is such a relief from the constant jazz and popular songs that are played so much every day they are monotonous. I am a shut-in and nearly blind, so you can understand what the Radio means to me. I wish I might have some more drama and readers as I enjoy them very much. Long live WNAC!"

The letter is signed by Mrs. H. M. Young, 14 Lander street, East Lynn, Mass.

After he had finished the third installment, Fred Smith of Cincinnati, who put in Radario form the story appearing in Radio Digest, came up to Chicago to meet Robert J. Casey, the author. Radio Digest had sought these two men, unknown to each other, but each the best to be found for their respective tasks, to perform this work for the Radio public.

Is Radio History

"How did you get hold of Casey?" was the first question asked by Mr. Smith on his arrival in Chicago. "He has the rare combination of ability as a fiction writer and a knowledge of Radio technique. He knows how to utilize these faculties and has done so in this very remarkable story."

"This is Radio history," said Mr. Smith later, when, with the editors of Radio Digest, he met Mr. Casey at the Hotel La Salle. The two men set next to each other in the grill where a booth had been reserved. The Chicago man was of medium height, plainly dressed, undistinguished except for a heavy gold signet ring that made his soft, well cared for hands more noticeable. His hair was short and his face confirmed the ancestry of his name, especially when the Celtic blue eyes popped wide open at vivacious moments of the table conversation. On the other hand, Mr. Smith was the artist, precise as a professor, speaking at all times with the perfect English and adhering to form even to the manner with which he held his teacup—he had tea—and crooked his little finger, just so. But a man and a man's man with full appreciation for the red-blooded elements in the story. He wore glasses and the hair was thin above his fell developed forehead. The two men, side by side, represented a wide range in a new kind of literature.

"'A Step On the Stairs,' is something that we have been approaching from various angles for several years. It will mark a decided point in the development of Radio art," said Mr. Smith.

St. Paul Fans Excited

"We had a big crowd in the studio and turned out the lights," wrote E. H. Gammons of Station WCCO, St. Paul-Minneapolis, "and everybody in the place got a great kick out of it.

"The most amusing thing in connection with the broadcast was that hardly had we completed it when telephone calls began to come in complaining that some station, FYX, had come on the air and blanketed us. In fact one St. Paul listener was so excited about it that he didn't get the call letters and accused one of the small 50-watt stations in town of having come on the air, and stated that he was going to take the matter up with the department of commerce. It so happened that the station he had in mind happens to have an 'F' and a 'Y' in its code call."

From the many letters written, it is obvious that the trick of turning out the lights while listening to the drama over the air adds 100 per cent to the thrill. It may not be generally known that a darkened room usually adds to the illusions in Radio. When the Radario especially provides for a darkened room the effect is even more noticeable.

DAINTY MARY BRIAN OUR COVER BEAUTY

THAT perfect oval so ardently desired by the connoisseurs of beauty in the feminine head, genus homo, seems approximately attained by the maiden on the Radio Digest cover this week. She is Miss Mary Brian, another of the famous 1926 Wampas Stars, whose face is often seen in the pictures of the Paramount brand.

You know the story of the lucky thirteen who make the Wampas cast each year. All the great motion picture producing companies on the Pacific coast present their young and most promising hopes to the consideration of the Western Association of Motion Picture Advertisers. There is a vote among the members of the association. The thirteen who stand highest are the Wampas stars for the year. Experience has shown that these chosen ones make good and become real stars of the screen.

Take another look at the picture, that flawless, oval contour, and you will not wonder that she is one of the Wampas Stars of 1926.

Mike Starts to Vanish But Mystery Is Solved

Temporary Disappearance Caused by Man Dragging Connection

NEW YORK.—"Mike, mike, who's got the mike?" was the query of Ralph Wentworth, one of WEAF's announcers, recently at a celebration broadcast direct from Carnegie hall, when he suddenly saw the microphone vanishing from him. He was then telling the Radio audience about the parade of the colors which had just taken place.

The temporary disappearance of "mike" was caused by one of the New York friends of Senator Ashurst of Arizona, the orator of the day, rushing forward to greet the senator and not noticing the wire connection to the microphone stretched across the floor. Wentworth managed to clutch "mike" in time to prevent any real break in his descriptions of events for the Radio audience.

Five Veterans of Civil War Broadcast at Station KOA

DENVER, Colo. — KOA's performers during the last year have ranged in ages from a 4-year-old prodigy—Phillip Cooper, Colorado's youngest Radio artist—to five 80-year-old survivors of the Denver Drum Corps, an organization inspired by the Civil war.

Because of death, the drum corps has been reduced from an original group of fourteen persons to a quintet.

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Looking Ahead

Peleg Turner Speaks from the Tomb and curses the murderer of his brother, Jeremiah, next week in "A Step On the Stairs." Milford Jones reappears, somewhat the worse for his absence. The best part yet of Mr. Casey's serial will make startling disclosures next issue.

"Radio Owes an Incalculable Debt to the American Boy," says Secretary of Commerce Hoover and he has reference to the ingenuity and inventiveness of boys as they, through Boy Scout and Y. M. C. A. organizations, worked out many problems that have puzzled their elders. Radio Digest has an interesting Boy Scout story about ready for release.

Intense Interest Has Been Shown Throughout the Country in the dramatization of the Radio Digest mystery play. Wherever it has been put on the air listeners have reported surprise and delight at the unusual effects produced. At the Gold Medal Station WCCO Minneapolis-St. Paul, the players made up for their parts. See pictures and story in Radio Digest.

Causes and Locating of Man-Made Static will be the subject of the next article in the Blooping and Interference series. The number of electrical devices in common use that cause clicks, hums and rattle in Radio receivers is surprising.

Assembly and Wiring of 1926 Four-Filter Super is taken up in the third article on this receiver which will appear next week. Large as this receiver is, the wiring is comparatively simple, since the audio amplification is all wired when installed and the shielding is the negative filament circuit.

Readers of Milo Gurney's A. B. C. Series will next get a brief discussion of the super-heterodyne receiver from a theoretical viewpoint. The Rolls Royce of Radio is not so complicated as it sounds but a fair knowledge of what is happening in one is most helpful to the constructor.

Newsstands Don't Always Have One Left

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Radio Digest

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City ..... State .....

NEWS BRIEFS FROM THE BROADCASTERS

KGO TO PICK CHAMPION FIDDLER OF WEST

KFI Gives Artist-Composer Series—Punch and Judy at WLIB—Gilda Gray at CKAC

Old fiddlers from all over the West will gather around the KGO microphones, Saturday night, March 27, and give the world a taste of the music of a generation ago, which is still calculated to tickle the feet.

* *

KFI is presenting an artist-composer series. One of the recent artists to appear at this station was Alice Barnett. Songs and compositions by this American composer were featured during the entire program. Arrangements are now being made for early programs by Charles Wakefield Cadman, Homer Grunn, Halette Gilberte, Heinrich Tandler and Carrie Jacobs Bond.

* *

The squeaky voices of Punch and Judy may be heard nightly over the microphone of WLIB, Chicago. Uncle Walt, who is directing the Radio appearances of these well-known puppets, describes them so well that many kiddies throughout the United States enjoy this new bedtime feature.

* *

Gilda Gray, famous Follies dancer, pleased Canadian fans recently when she gave advice to girls on beauty and dancing, over the microphone of CKAC, Montreal. She gave her talk in French.

* *

Sidelights on boxing in Mexico will interest sport fans over WPG, Atlantic City, Saturday. James Monahan, former intercollegiate lightweight champion of Lafayette college, will talk about his recent experience as referee in this interesting neighbor republic.

* *

The novel feature of WBAL's Sandman circle, which goes on the air every Monday and Thursday evening from 6 to 6:30 p. m., Eastern time, is a Radio serial story for children. "The First Days of Man," an historical story written especially for young folks by Frederick Arnold Kummer is the present serial.

* *

"Memories of Jennie Lind and Clara Schumann," is the title of the program to be given by Anna Barbash, soprano, at WPG, Monday evening.

* *

"Winds, Clouds and Rain" is the subject to be discussed for fifteen minutes over KGO, Monday evening, March 22, by Major Edward I. Bowie, weather man for the western part of the United States. Major Bowie will be remembered by KGO listeners for other talks about how the facts concerning the weather are gathered, charted and forecasts made twice daily in the San Francisco office of the Weather bureau.

* *

Community singing on a large scale is being encouraged by WGN, Chicago. Every evening from 6:55 to 7 p. m., Central time popular ballads and well-known tunes are presented by an ensemble of WGN artists. Listeners are invited to join in.

* *

And still they come! Here is another old fiddler, Andy Hidee, who will broadcast from WLW, Cincinnati, Saturday evening, March 20, at 9 p. m. Central time. He places the fiddle between his knees and bows it like a cello. The other member of the team is Walter Harlan, accompanist.

* *

Fans who listened to Bishop Frederick Fisher recently at WBPI, New York, enjoyed some of the thrills of the hunting trip in India of Kermit and Theodore Roosevelt. Bishop Fisher has been in India with the Roosevelts.

* *

Each month will end attractively at WJZ, New York, with a recital by two favorite Radio artists, Godfrey Ludlow, Australian violinist, and Lolita Cabrera Gainsborg, pianist. These Sunday evening concerts will include the sonatas of well-known composers.

* *

S. L. Rothafel, popularly known as "Roxy," to thousands of listeners, bid a temporary farewell to his many Radio friends recently from Station WEAF. He will broadcast again next autumn when his new theater opens.

* *

During the first week in March, WOR devoted one-half hour each afternoon to talks by outstanding authors of the day. Martha Ostenso, author of "Wild Geese," Homer Croy, author of "West of the Water Tower," and Charles Hanson Towne, author of "Tinsel" were among the speakers.

TO PICK GREATEST ANNOUNCER

COMMISSION DESIRE OF ZENITH COUNSEL

ASSAILS PRESENT KIND OF RADIO ADMINISTRATION

Believes Radio Commission More Equitable Form of Supervision—Organized Labor Also Makes Kick

By L. M. Lamm

WASHINGTON, D. C.—Strenuous demands that congress take the administration of the Radio law out of the hands of the department of commerce and establish a Radio commission were made during the closing hours of the hearings on the Dill Radio bill, which lasted for several days before the senate committee on interstate commerce, of which Senator Watson, of Indiana, is chairman.

Irving Herriott, counsel for Station WJAZ, of the Zenith Radio corporation, and E. F. McDonald, Jr., president of the firm, told the committee that he did not believe that the secretary of commerce should be clothed with his present broad powers for Radio regulation or with those provided for in the Dill and White bills.

He asked that a commission be appointed by the president and that the control of Radio be taken away entirely from the department of commerce.

Says Hoover Can Divide Station Time

Mr. Herriott in opening his testimony gave the history of the Zenith station and some of its troubles which terminated in the federal courts in Chicago, and in which it is expected a decision will soon be rendered. He went on record distinctly as in favor of a bill for Radio regulation and seemed to favor the Dill bill except in that he wants a commission instead of the power being delegated to the department of commerce.

He took the position, in answer to questions of the committee that if the secretary of commerce now has the power, under the present law, to assign wave lengths he must also have the power to divide time for the stations. He called the committee's attention to the fact that Radio is still in its infancy but he predicted that the time is not now far distant when power will be transmitted by Radio for various purposes.

Labor Would Divest Hoover of Power

The number of stations owned by one firm, said Mr. Herriott, should be limited in the bill under consideration. In contention of his suggestion for the Radio commission he said that it could handle the matters more expeditiously and he thought that a provision should be made in the bill "for a fair division of time for everyone."

W. J. H. Strong, representing the Chicago Federation of Labor, told the committee that the Dill bill is not scientifically drawn and that it is not in the interest of public policy. He made suggestions for almost all of the sections of the bill.

He told the committee that Radio should be declared a public utility and that it should be taken away from the department of commerce and placed under the interstate commerce commission. He said that he does not favor the United States government owning any Radio stations.

PASS LAW AGAINST LOUD RADIO NOISES

MOUNT VERNON, N. Y.—There will be no loud noises from Radio receivers or phonographs in this little town, if the aldermen have anything to say about it. The common council announced recently that an ordinance had been passed fixing a penalty of a $5 fine or five days in jail on the owners of phonographs or Radio sets that make too much noise. The aldermen said they hoped the ordinance would check the efforts of "merchants seeking to attract attention by increasing the volume on their loud speakers."

TEXAN SEPARATES VOICES OF SEXTET

CINCINNATI.—Nearly every fan boasts of some performance of his set which makes it quite the best, but the broadest claim for selectivity is made in a letter received by Station WSAI, of the United States Playing Card company, here, in which the writer, a Texan, insists that he uncrambled the voices of the Bicycle sextet at will. At times he served to his guests a tenor solo, regardless of the fact that five other voices were being broadcast at the moment, or occasionally shifted to a duo with the tenor and baritone.

DID YOU SCENT SCENT SHE SENT?

Ruth Fallows is the girl with the atomizer in the above picture taken in the WJZ studio, New York. She was telling her sisters of the Radio audience all about the beautiful scents that come from atomizers and she became so engrossed in her story that she really thought she could send out the odor, just as she was sending out her voice. At least, that's the impression she caused in the studio and, according to letters from fair listeners, she almost succeeded in doing that very thing.

Rochester, N.Y., Giving Programs Over WGY

Former Silent Night of Schenectady Station Now Feature

SCHENECTADY.—Wednesday, heretofore a silent night for WGY, has become one of the biggest nights for the station, and it is sure to gain in popularity with the listeners. That evening is given over, practically entirely, to Rochester, N. Y., and that city has thus far provided three outstanding programs.

The symphony orchestra of the Eastman theater is heard at 6:45 o'clock and this is followed at 8 o'clock by a program by Eastman School of Music pupils, the Little Symphony orchestra, the Rochester Symphony orchestra, or other Rochester talent. The Little Symphony orchestra and the Rochester Symphony orchestra are under the direction of Eugene Goossens. WHAM of Rochester broadcasts all Rochester features simultaneously with WGY.

150,000 Swedish Licenses

WASHINGTON, D. C.—The number of Swedish Radio licenses issued up to the end of February, this year, amounts to about 150,000, according to a report to the department of commerce from Stockholm.

NEW LOCATION AIDING WGBS TRANSMISSION

Fans in Greater New York Are Getting Better Reception

NEW YORK.—Since moving its transmitter from the congested downtown district, WGBS, here, has practically been deluged with letters from listeners reporting that the new location in Astoria has greatly increased the strength of the Gimbel Brothers' station.

Before this step was taken WGBS was heard with excellent quality in all parts of the country, but a great many Radio fans right in Greater New York, principally parts of Brooklyn, found it difficult to tune in to the station. This was due entirely to the mass of steel and other air obstructions in the midtown district.

One of the main features in connection with the new transmitting plant is the fact that it is built on a peninsula of land, and surrounded by water on three sides.

Metropolitan Theater Now Operating from New Studio

BOSTON.—The Metropolitan theater here recently opened its own studio broadcasting through WNAC, the Shepard Stores, with an extensive and exceptional broadcasting program.

The studio has been highly praised by those who are competent to know of the modern mechanical equipment in the average broadcast studio. Every effort has been made by the Metropolitan theater to make this new studio ahead of the times. The latest and the most approved microphones have been installed. Radio engineers have designed the most efficient mixing panels.

Radio Conference at Geneva

GENEVA.—Invitations have been issued to all broadcasting concerns in Europe to attend an international conference in Geneva beginning on March 25. The organizing body is the office international de Radiophonie. The main question to be settled is the definite repartition of wave lengths.

WINNER WILL BE SELECTED BY LISTENERS

Third Gold Cup Award

Annual Contest in Which Fans Will Choose Favorite Announcers to Start Next Week

For the third consecutive year the millions of Radio listeners numbered among the invisible audience will have the opportunity of selecting the world's most popular Radio announcer. Who will be selected this year to bear the coveted title and receive the handsome solid gold cup offered by Radio Digest in its third annual Gold Cup Award?

Two gold cups have already been awarded. In 1924, George D. Hay, formerly of WMC and WLS, now director of WSM, won the much desired trophy. In 1925, Graham McNamee, WEAF's chief announcer, topped the list and won the prize. In 1926—who will win?

McNamee Won Cup in 1925

The race last year was by far more thrilling than in 1924. Graham McNamee, George Hay, Henry Field and Gene Rouse were all possible winners at various stages of the voting. The jockeying up and down of the more popular contestants provided listeners with many surprises.

But when the final count of the 1,161,659 votes cast was made and McNamee's total reached nearly 200,000, the race was over. At that, Henry Field was a close second.

D. P. R. Coats, announcer for CKY, Winnipeg, Manitoba, led the list of Canadian announcers last year, and was presented with a silver loving cup. This precedent will be followed again this year, and the high Canadian announcer wil receive a beautiful silver loving cup.

Radio listeners clamor anew to know who is the world's champion announcer. And to gratify the wishes of the great army of listeners, Radio Digest is again undertaking to aid them in making their selection.

Contest Begins Next Week

The Gold Cup Award is a permanent institution. As long as broadcasting stations continue to broadcast, the Gold Cup Award will be conducted annually by Radio Digest. Each year a solid gold trophy will be awarded to the world's most popular Radio announcer.

Watch the next issue of this publication for further announcements concerning the contest and how it will be decided this year. Full details will be given, and the first official ballot will appear. It is important to have every ballot, beginning with number 1.

In the meantime members of the invisible audience are advised to listen carefuly to the various styles of announcing they hear nightly. What kind suits you the best, who pleases the most?

Say it with ballots, beginning next week.

Each City Has Program On Manitoba's Station

Each Point in Province Can Tell of Its Attractions

WINNIPEG, Canada.—CKY, "Manitoba's Own Station," operated by the telephone system which is owned by the people of the province, is now broadcasting programs by remote control from all the principal cities and towns outside Winnipeg.

The whole purpose of these broadcasts is that of giving each point in the province an opportunity of going on the air and telling the world about its local attractions. The programs are put on officially by the town councils or boards of trade. The broadcasts are performed by the telephone system in the interests of the province.

Private commercial advertising is barred and on this understanding the work is performed at rather less than actual cost. Manitoba is the only province in the Dominion of Canada operating its own broadcasting system and providing broadcasting facilities of this kind to its outlying towns. There are no other broadcasters in Manitoba.

Secretary Hoover Is Real Fan

UNCLE Sam's Radio Spokesman Keeps Receiving Set Near His Desk and Enjoys DX Hunting as Well as Local Programs—Conferences Aid Wireless Progress

By L. M. LAMM

HERBERT HOOVER, erstwhile food administrator of the United States, present secretary of commerce, adviser to the President, and friend of the Radio fans of the country, is himself a diligent fan. He has been called "Czar of the Air," but the title does not suit him. He does not like it.

From time to time the secretary has had all kinds of sets in his home for his personal use, from a small crystal to the most up-to-the-minute tube set. He has tried all these out so that he will better be able to know the conditions under which the fans who have small sets operate. It is known that he has himself experienced many of the inconveniences to which the owner of the small set is subject and for that reason he has all kinds of patience with the kicks of listeners in which reach him almost daily.

Mr. Hoover now has several Radio sets in his own home. One of them, however, is his "pet" and that is installed in his own private study, right alongside his desk, where he does a great deal of work at night. This study has a large open fireplace and it is said that frequently when he is trying to solve a problem he will stop in the middle of his work, light his pipe and play with the dials.

He gets considerable "kick" out of the quality of the programs and the reception. Mr. Hoover is also very much interested in loud speakers and has tried out many of them. Manufacturers of sets and speakers who think that they each have something out of the ordinary frequently send their sets to the secretary to see what he thinks of them.

The secretary is not the only one in his family who is a Radio fan. He has a very handsome set installed in his living room for the use of his family. Mrs. Hoover shares interest with the distinguished secretary in this art. His son, Herbert, who is now away, has been interested in Radio for many years. He has been an amateur and has been very active in his experimental work with Radio. It was probably through this son that Mr. Hoover became so much interested in the subject. It is also through this son that the secretary has a direct contact with the amateur operators of the country.

Sometimes the amateur broadcasters think they get rather a poor show and have to take a lot of abuse from the Radio public in general. One of the most ardent amateurs in the country is Herbert Hoover, Jr., who is seen above with his famous dad, who is the voice of Uncle Sam on all Radio rights and authority. Beside the secretary is Mrs. Herbert Hoover, Jr. So the amateurs should be well represented at Washington. Below is a group well known to Radio fans. Left to right are W. E. Harkness, assistant vice-president American Telephone & Telegraph Co., in charge of Station WEAF, New York; A. Atwater Kent, Philadelphia; Secretary of Commerce Hoover and Congressman Arthur M. Free of California.

EVER since Radio has been an active subject in the department of commerce, and that means practically ever since Mr. Hoover has been secretary, he has been strong for the American boy as one of the greatest assets of the Radio industry. His appeal has always been for the boys of the country and he has looked out consistently for their rights in legislation and regulation, as well as those of the amateurs in general.

Mr. Hoover has always stood for the motto of the service to the public of the broadcasting stations. He believes that this is the real sum and substance of Radio broadcasting at this time.

Many Radio problems are presented to Mr. Hoover daily and, although he has a large corps of assistants to help him, he is fond of dealing with the subject himself. At the present time there are three outstanding problems. They include interference, applications for new broadcasting stations for which no wave lengths are available, and applications for increases in the power of the present stations.

Mr. Hoover frequently talks over the Radio at functions but he does not frequent broadcasting stations, although there are two first-class stations near at hand in Washington, WRC of the Radio Corporation of America and WCAP of the Chesapeake and Potomac Telephone company. He has, of course, been through these and other stations and knows about them thoroughly, being an engineer of note himself.

The secretary is best known, perhaps, throughout the Radio field in all of its branches as chairman of the various Radio conferences, of which he has called four since he has been in charge of the department of commerce.

He has a proclivity for running conferences and is most successful in this field. At the first Radio conference which he convened, about five years ago, there were only some twenty-five people present. This number has increased each succeeding year, until the last conference, held in the autumn of 1925, brought to Washington more than 600, representing every Radio interest, including represent- (*Continued on page 12*)

Fair Listeners Love KOA Chat

DENVER Station Broadcasts Snappy Matinee Program to Please Housewives and Mountain Maids Remote from City Shops and Social Conveniences

By HAROLD P. BROWN

DID you ever know a woman to be "up in the air" about her clothes, her health or what to get for luncheon that would be different and more pleasing than the usual thing?

Quite likely, or you never knew a woman.

Possibly you may know Mrs. Ruth Drumm Witting of Denver. You certainly know her if you live within range of KOA, the "mile-high broadcasting station" of the General Electric company, located at Denver. And, by all means, if you are a woman listener in that widespread area you know Salle Dee and Clara Hoover, both of the same station. All three of these ladies may be "up in the air" a mile high from the sea level but they have all these important things that women are most interested in, down to the last word, in the microphone.

Out where the West begins, women are women, just the same as they are anywhere else. Don't ever doubt that. And if you want special confirmation of the statement it is only necessary that you tune in KOA during one of the triweekly women's matinees indicated on the Radio Digest program pages.

OH, IT'S healthy in Colorado, up there on the mountain roads, of course! You step a little harder on the accelerator and keep your eye pretty close to the highway as you begin to climb the rugged flank and make the sharp curves, but you can't help seeing the cottage up there on the terrace and the thought flashes through your mind, "Man, but this country would be poor picking for a doctor!"

True enough! Still, it doesn't change the fact that women are women where the West begins the same as they are anywhere else. And that accounts for Mrs. Witting who talks health and beauty into the homes of the mountain folks. Mrs. Ezra McPeak, twenty miles up the Pike road, may never have seen a beauty doctor, but she is interested in knowing how to fix her hair and she has those "dizzy spells" and a "touch of lameness" in her "joints" just the same as the casual shopper on Fifth avenue, New York, or the "Boul. Mich." in Chicago.

A nerve tonic? Certainly! Leave it to Mrs. Witting. Just tune in on one of those mid-afternoon relaxing and corrective exercises for women—"Over now, touch the floor with the tips of your fingers, One! Two! Three! . . . Fill your lungs with fresh air . . ." and all the while the piano creases out the effort of exertion.

Just to visualize her listeners a little more clearly, Mrs. Witting often conducts a gymnastic class in the KOA studio.

"LET'S all just forget everything else of the day's routine," says Mrs. Witting to the visible and invisible listeners, "and I can positively assure you if you will take this tonic according to prescription you will feel greatly benefited. Correct daily exercise, giving every little muscle, every little blood vessel, every nerve and tissue a chance to function and carry on the necessary reconstruction of the body, is better by far than all the pills and elixirs in the world. Keep physically well by keeping mentally well. Keep mind and body in harmony by gymnastics."

Mrs. Witting administers her "nerve tonic" in special doses for those who wish to reduce, for others who wish to build up and for all who wish to especially cultivate poise and posture.

Women love Salle Dee (right) because she brings to the listeners of KOA, Denver, the shop windows of the city and describes latest styles. Health and beauty are broadcast from the same station by Mrs. Ruth Drumm Witting (below), and kitchen technique and art of cooking by Clara Hoover (in circle).

Mrs. Witting is followed by a lively half-hour interlude of special music, which includes the latest song hits, chats along airy lines and other incidental features.

Now here is a secret that some folks will be surprised to hear: Following the interlude comes "Clara Hoover." That is just a "nom de Radio!" Her real name is— Pardon! That would be telling too much, more than the lady desires. Anyhow, she is a very highly esteemed society matron of Denver. If you know your Denver society, you may recognize her through the cover-all apron and broad headband as she is pictured here.

CLARA HOOVER, as she is known, has analyzed the kitchen and cooking problem down to the last and final ——.

And don't forget that "women are women" wherever you go — the same problems, the same heart cravings, the same worries—from Augusta, Maine, to Catalina Island, East or West. So Mrs. Hoover says:

"Because the woman's daylight hours are split three ways by family responsibilities, business cares and club activities, Radio talks on these subjects by those who have made of them a special study should prove not only interesting but profitable to those concerned. Especially should this be true of the kitchen and cooking—that never-ending bugaboo to many women." After that she lifts a figurative carving knife and lays open the various mysteries behind the kitchen door. Even a dull minded husband, eavesdropping on the loud speaker, should (*Continued on page 12*)

a STEP On the STAIRS

By ROBERT J. CASEY

Radio Dramatization by FRED SMITH

Illustrations by HILMER C. OLSON

Synopsis of Preceding Chapters

GRIM and ghostly mystery settled down on the old manor house of the Turners on Pelican Bay shortly before events chronicled in this story. The manse had come down through one hundred and fifty years of sea-faring Turners and then Jeremiah Turner was found dead with a bullet in his head on the hearth of the gun-room floor. They carried his body out the door reserved exclusively for the removal of the dead masters of the house. Soon after, the body of Peleg Turner, a brother, followed the same course. He seemed to have died from natural causes.

Lawyer Ardwyn, his executor, summoned the relatives for a weird seance in the deep shadowed hunt-room, lighted only by a candelabra. A letter left with the attorney had stated that the departed Peleg would attempt to communicate his discoveries beyond the grave through the Radio. The story opens with the party assembled. Only John Carton, a favorite nephew, is missing. He had been suspected of the crime. Henry Millis, the caretaker, had been startled by the arrival of a man in a gray overcoat from the stormy waters of the bay. The man said he had been called to the meeting, but Hari Singh reported later to Henry that he had never arrived at the house.

The clock struck twelve. There was a scratching sound in the receiver. A few syllables were uttered. Then followed an interruption. The voice of the announcer at FYX, a nearby broadcasting station, called for help and a shot was fired. The listeners who were sitting in absolute darkness rushed for the locked exits in confusion. They already had heard ghostly sounds on the stairs and a mysterious tapping similar to an SOS signal. Finally, when a bit of candle was lighted, it was found that Milford Jones, one of the guests, was missing.

Tolliver, another guest, was appointed to investigate the FYX shooting. He found that a stranger had broken into the broadcasting station, shot the engineer and escaped unidentified. The wounded man was taken to a hospital but Tolliver discovered a trail of blood and picked up a letter which he handed to Ardwyn at the table. Just as the lawyer was about to open it Mary Williams, a friend of Carton, and sought in marriage by another cousin, Henry Graves, accidentally knocked the only candle to the floor.

In the darkness that followed Ardwyn felt the hair of a woman brush his hand and his wrist was caught in a savage bite. Another candle was lighted. The letter had disappeared.

Mary was suspected. When the other guests left the room for coffee and sandwiches Ardwyn showed her a locket which she admitted was her own. He had found it caught on his watch chain.

Then she showed him a pair of shoes left by some mysterious visitor who apparently had come through the locked and barred door of death. Mary dared Ardwyn to wait for the intruder's return. The candle stub sputtered out. Mary was heard to scream she had touched a corpse. The other guests rushed into the room and found Ardwyn and Mary both sprawled on the floor unconscious.

THE STORY CONTINUES.

CHAPTER SEVEN

Hail to the Prodigal

THE candle flared reluctantly as Henri Singh applied the match and cast a dim radiance over a scene of chaos. Ardwyn, the lawyer, sat where he had fallen beside a chair near the door. Blood was trickling down his face from a cut in his forehead.

Mary Williams, white and silent, lay on the floor. In her outstretched hand—fluttered by the drafts in which the storm came over the worn sills about the trembling house—was a white scarf. As the crowd stood in an awed circle about them, Miss Williams slowly opened her eyes and Ardwyn attempted to raise himself.

"What happened, Mr. Ardwyn?" inquired Hari Singh.

"Blessed if I know," replied the lawyer hazily. "The front door is barred. But the front door opened just like she said it would. And somebody came in. I think I collided with the edge of the door in the dark."

"Who said someone was going to come in?" broke in Maurice Tolliver. "Do you mean to tell me you were waiting for somebody to come in here and rap you one on the coco?"

"The Sahib is in pain, Mr. Tolliver," Hari Singh cut in. "Would you please not question him."

"Never mind, Hari Singh," Ardwyn told him. "My head is clearing. And one must talk sooner or later.

"I may say, Mr. Tolliver, that your supposition is correct. Miss Williams was expecting someone to come in through the front door and we sat here waiting for the visit."

"It certainly is beyond me," Tolliver went on irrepressibly. "I guess I ain't very inquisitive. But I'm tellin' the world that if any ghost or banshee or what not wants to come in through that door or go out, there ain't goin' to be any interference from me. I'm stayin' here until daylight when I may feel safe about goin' home on the bay road. What happened to Miss Williams?"

Hazel Stanton, who had been holding the wrist of the prostrate girl, looked up at him.

"She's just fainted, I think," she said. "Offhand I'd say she has had a horrible fright."

"No worse than she gave me with that shriek of hers," declared Tolliver. "People with nerves like that shouldn't play around in the dark."

"Miss Williams' nerves are easily the best in this company," Ardwyn declared, still huskily. "She shamed me into staying here and if I hadn't bumped into the door or whatever it was, I probably should have fainted myself."

"What did she see after the door opened?" inquired the girl with the red hair.

"I don't know that she saw anything, Miss Stanton," the lawyer told her. "It was pretty dark in here. And I was only vaguely conscious of what was going on. I think she said something about colliding with a corpse. . . ."

"A CORPSE . . ." The voice was Hari Singh's but barely recognizable. "That bears out what I said. I recognized the white scarf the minute I saw it. With my own hands I put it about the shoulders of Peleg Turner before they laid him in his coffin. . . . It was his mother's scarf. I couldn't be mistaken in it. . . ."

Ardwyn interrupted him.

"She's coming around now," he said. "Stand back a little and give her quiet. We can ask her a little later to tell what happened to her."

"Seems to me you're showing her a lot of consideration," snapped Aunt Helen.

"I don't think I quite understand what you mean, Mrs. Holmes," retorted Ardwyn.

"Well, I notice this. Trouble just seems to be a-followin' her around. It always does follow these flighty young girls. There have been some funny go-in's on in this house tonight and this girl has been mixed up in all of them."

"For that matter, Mrs. Holmes, we have all of us been mixed up in them. It's a bit early to go fixing our suspicions upon one person — particularly before we know what to suspect them of."

And Mrs. Holmes' shrill plaint was not repeated.

On the fringe of the crowd, however, she found sympathy in the whispered commendation of Cousin William.

"I think you're just right about that," he told her in a half whisper. "Yes, indeed. I don't trust that Williams woman, either. And I'd trust Jezebel farther than I would that red-headed hussy who's rubbing her wrists."

"Virtue is its own reward, like I always says, Cousin William," Aunt Helen told him as one philosopher to another, "and I knew trouble was a-comin' when I first laid eyes on these girls. That red-headed Stanton woman is a bad lot, I'm tellin' you that, Cousin William. Mary Williams is bad enough. But I'll tell you somethin' for your own good an' don't breathe it to a soul. Hazel Stanton is worse. . . . Would you believe it, when some woman in this room was chawing the hand off of Ardwyn, that Stanton woman wasn't in her chair!"

"What?"

"I'm not fooling you, Cousin William. I'd not be makin' a joke out of anything so serious an' solemn as this. But she—certainly—was—not—in—her chair."

"But, Aunt Helen, what surprises me is how you noticed it. You had fainted. . . ."

"I recovered, my boy. I ain't never fainted so bad yet that I couldn't tell when evil was goin' on around me. It's just the natural unconscious feeling I have about sin an' wickedness. I know when they're around. The girl seems to be openin' her eyes. She looks groggy but I guess she'll be all right."

"Miss Williams needs all the air she can get," Ardwyn said. "I should suggest that all of you go back to the library and finish your coffee. If Hari Singh will get me a bandage and some hot water I think I can take care of the first aid work."

There was no audible objection to the program. The movement back toward the library was quick enough and concerted enough to be classed as a stampede.

ARDWYN took Miss Stanton's place at the girl's side. "They are gone, Miss Williams," he said to her. "Was there something you wished to say to me?"

"I was not so brave as I had thought," she replied weakly. "I didn't know it would be like that." She shuddered. "It was a dead man, Mr. Ardwyn. I felt his flesh. It was clammy and cold. And instead of trying to hold him I tried to get away."

"Don't bother to talk about it," he suggested to her. "You are all unstrung and probably couldn't remember what happened even if you tried. I should like to get you a stimulant if you wouldn't mind being alone a minute or two."

"I have no choice," she answered. "Anywhere in this house I should feel uneasy. I do not think I shall be any worse off here than elsewhere. The dead man went out with the shoes. He probably will not be back again."

"Just what do you suppose a dead man would want with shoes?"

"I'm sure I don't know. I don't know why a dead man should leave a comfortable grave on such a night as this. . . . All I know is that one did. But don't mind me. I shall be all right with the candle lighted and the door to the hall open. I think I am only half awake now. Nothing seems to matter—and I was dreaming just a moment ago of Milford Jones. I seemed to see him going out through that front door. I seemed to see him dying to keep up the old tradition. . . . But I was not alarmed about it. . . . Oh, don't mind me, Mr. Ardwyn. I'm quite all right, only weak and dizzy."

"I'll get you a stimulant and be back in a moment," he said rising. "Surely we have had our share of excitement for one night."

The girl was vaguely conscious of his footsteps becoming less and less noticeable on the bare parquet floor of the hall. Then came the old silence and the old sounds—the clock, the storm, the muffled voices—and one more dire if no

$500 in Gold

FOR THE SOLUTION OF

"a Step On the Stairs"

REPRINTS NOW AVAILABLE

NATION WIDE interest has been created by this thrilling mystery story. Listeners in sunny California, chilly Maine, the Province of Quebec and old Louisiana are endeavoring to solve the tangle of clews. Because this is true, and so many people are attempting to win part of the $500 in Gold prizes which are being offered, a reprint of the first four installments, complete in every detail, has been printed and may be had for the nominal charge of twenty-five cents, in coin or stamps, to cover the cost of handling. If you have missed one or more of the preceding installments you will want this reprint to help you solve the mystery and win a prize. Address your letter to the Mystery Story Editor, care of Radio Digest. Besides the story there appears in the reprint a number of questions which may be helpful in formulating the solution.

The story, "A Step On the Stairs," is written by Robert J. Casey, an author whose works in the literary world need no introduction. Furthermore he is well versed in the needs of such fiction for Radio presentation. His work, in turn, is being Radio dramatized by Fred Smith, Managing Director of the United States Radio Society, who can be counted among the first few men to write and present Radio plays.

Read the story and hear it played weekly from the selected stations. Don't miss this thriller, whether or not you intend to submit a solution!

The chosen stations, which will broadcast "A Step On the Stairs" in Radio play form, are given on page thirteen. The days and the hours are listed.

THE PRIZES

The prizes are seventeen in number. First prize is $250; second prize is $100; third to seventeenth prizes inclusive, are $10 each. In the event of a tie for any prize offered, a prize identical in all respects with that tied for will be awarded to each tying contestant.

HOW TO WIN A PRIZE

Nine installments of Mr. Casey's story will be published consecutively each week. The first appeared in the February 27 issue. His tenth and final installment will not appear until the prize winning solutions have been selected by the judges. The solution nearest correct, that is, nearest to unravelling the mystery accurately, will win. The method of preparing the solution—its neatness, legibility, etc.—shall be considered in the selection of the winning solution. It should not be difficult for the average reader to study the story carefully and arrive at a logical solution.

RULES OF CONTEST

1. The contest opened with the February 27 issue. All solutions must be received by Radio Digest not later than midnight of Saturday, May 1. The ninth installment of the story will appear in the April 24 issue. The author's intended and final chapter will appear in the May 15 issue of Radio Digest, together with the announcement of the winners' names.

2. The contest is open to everyone except employes of Radio Digest and their families.

3. Contestants pay no fee and need not be subscribers to Radio Digest. Solutions, however, must be written upon but one side of paper, and names and addresses should be written or printed plainly.

4. The decision of the judges, to be named later in the contest, will be final.

BEGIN NOW to Read This Thrilling Mystery Story and Hear It Played Over the Air. Perhaps Your Solution Will Win One of the Many Prizes.

less familiar. A step was descending the stairs.

Mary Williams came back to full consciousness with a quick intake of her breath.

"Who's that?" she demanded in a voice no more than audible. "Who is it?"

The steps came nearer. They turned at the hall door and a figure slipped stealthily into the room.

"A man!" she whispered. "A man!" And then in a hushed tone that combined awe, amazement, and the fervor of a prayer: "John . . . John Carton. . . . You have come back to me. I thought you were dead."

CHAPTER EIGHT

The Body in the Snow

WITH an alert eye watching the hall door, John Carton stole across the room and dropped to his knees on the floor between the fireplace and the huge leather chair from which the girl had partly risen.

"I was in the linen closet at the head of the stairs," he explained rapidly. "I overheard what that man said to you and I guessed you might be alone. I had to talk with you."

"John, where have you been?"

"I can't tell you that. I can't tell you anything until this night is over and the police are in the house."

"The police?" she repeated almost unbelievingly. "John, do you . . . want the police . . . here?"

"Why not?"

"But, boy, they have been looking for you. They have been accusing you of murder. Don't you know that?"

"I know it. Somebody killed Jeremiah Turner. I was here. I went away. It looks like what the police would call a prima facie case."

"But you didn't kill him?" she pleaded. "You won't lie to me, will you, John? You didn't kill him. Tell me you didn't kill him!"

"No," he said slowly and a bit coldly. "I didn't kill Jeremiah Turner."

"I knew it, John. I felt it—always. . . . But, oh, you don't know the weariness of all these months I have put in waiting to hear you say it. . . . Who did kill him?"

"I can't talk about that, Mary. There isn't time."

"You are shielding somebody."

"I am not shielding anybody."

"Why did you run away?"

"Hush, Mary, don't work yourself into hysteria. I tell you there isn't time to talk about these things now."

"What did you come back for?"

"To prevent another murder. It's on the books for tonight. I know it just as surely as I know I shouldn't be here now. And I am beginning to wonder if after all I can stop it."

"Murder?" The girl's voice was a trifle skeptical. "Are you sure you are telling me the truth, John?"

"I haven't time to give you evidence, Mary. You've got to believe what I tell you."

"Are you sure Hazel Stanton had nothing to do with your going away and that she has nothing to do with your return?"

He showed some signs of irritation.

"Who is Hazel Stanton?" he inquired. "I never heard of her."

"Don't tell me that, John. I saw the two of you there under the porte-cochere on the night of the murder. I saw her red head in the moonlight. And I saw your white face as you talked to her. . . . I have tried to trust you, John. Why won't you give me a chance?"

"I can't explain, Mary," he admitted helplessly. "I can't say anything that will make you believe in me. But you have to believe in me without explanation. You have to. I came here to tell you . . ."

BEFORE he could finish, the murmur in the library grew ominously louder and the voice of Ardwyn was heard in the kitchen beyond.

"Hari Singh," he was calling. "Hari Singh, where are you? Isn't there anyone in this house knows where the medicine chest is?"

"They're coming back," gasped John Carton. "I didn't know they were in the library. . . . I'm caught!"

"There is some way to open the front door," she told him. "It's been open oftener tonight than in the hundred and fifty years this house has been standing here."

He drew back from her.

"Hush, Mary," he told her. "You don't know what you are talking about. Only corpses have ever gone through that door."

"At least one live man went through it tonight," she countered hastily. "And you've got to get out of here."

"I'll let them take me before I'll try to get out through that door," he declared with finality. "And I guess the game is up. Here's someone now."

"Hari Singh!" breathed Mary.

The Indian looked at the pair as casually as if he had expected to find them there.

"This way, Sahib," he said. "And be quick about it."

"Go with him and God help you," the girl commanded him.

"Good-bye, Mary," he whispered hastily. And he moved rapidly about the table to the door where Hari Singh stood waiting for him. A moment later the side door creaked open and slammed and the guests were moving diffidently back into the room.

"I THOUGHT I heard someone in here talking," volunteered Henry Graves from a point beyond the candle light. "Funny, isn't it?"

"What did Ardwyn send us back here for, anyway?" demanded Tolliver.

"My reputation will never survive this night," sighed Aunt Helen.

"Where is Ardwyn?" growled Henry Graves.

"I'll be there presently," called the lawyer from the hallway. "Hari Singh must have put the medicine in the safe." He pushed through the group at the door and carried a glass of white fluid to Mary Williams.

"I found it at last," he said. "It's a simple sedative. You'd better drink it. You'll need it before dawn. . . . Didn't I hear Hari Singh in here a moment ago? What became of him?"

"I don't know," the girl replied dully. "I heard him say something and then the side door slammed. Maybe he went out."

"Why should he go out in a storm like this?"

"I don't know. I just thought he had gone out."

Tolliver sniffed.

"Why get excited about it, Ardwyn?" he asked. "What's there to be surprised about if anybody in this festive madhouse take a notion to go out runnin' around in the snow or walkin' on his hands or imitatin' a sea lion? Maybe he did go out. An' I'll bet if he did you'll find him wearin' a straw hat."

"Please be quiet, Mr. Tolliver," advised Ardwyn. "If Hari Singh went out he had some good reason for going. Hari Singh is sane—whatever may be said for the rest of us."

A whistle of wind and the banging of the side door interrupted him.

"That's the door now. Who came in?"

"HARI SINGH," called a voice from the hallway. "And he's dragging something in after him."

Then Hari Singh himself joined the conversation with a sharp note of command.

"Will one of the Sahibs give me assistance," he said with only a hint of his usual studied politeness. "I cannot lift him alone." His voice was unsteady from over-exertion.

"Lift whom?" demanded Mary Williams in sudden panic. "What is he talking about? Oh, Mr. Ardwyn, what has happened now?"

"Who is it, Hari Singh?" the lawyer asked him.

"I do not know his name," the Indian replied, "I found him out there in the snow. I think he is dead."

"Dead," shrieked Mary Williams in wild hysteria. "Dead. . . . He can't be dead. He was alive only a moment ago."

Who was it that came in the awful front door as Mary and Ardwyn sat watching? How did she get Peleg Turner's funeral scarf in her hand? Why has John Carton returned? Whose murder did he seek to prevent? And whose body has Hari Singh brought in from the blizzard? Can it be that John Carton has returned to prevent a murder only to be felled himself? Read the fifth installment of Robert J. Casey's story next week in Radio Digest. Perhaps some of these questions will be answered.

The Indian looked at the pair as casually as if he had expected to find them there. "This way, Sahib," he said. "And be quick."

KTNT BOSS THROWS JAVELIN AT HOOVER

CHARGES SECRETARY HAS FAVORED SOME FIRMS

Seeks Senator to Instigate Administration of Radio Affairs Alleged to Be Mismanaged

WASHINGTON.—A senatorial investigation of the department of commerce administration of Radio was asked recently by Norman Baker, owner and operator of Calliaphone Studio K-"TNT" of Muscatine, Iowa, and president of the American Broadcasters, an organization composed of independent stations.

Mr. Baker charges discrimination in the Radio affairs as administered by the department of commerce, stating that the department is mostly interested in the passage of the White and Dill Radio bills because the officials have violated the laws so many times that they now seek protection.

Wants Chain Stations on Same Wave

Before the committee on interstate commerce of the senate, Mr. Baker viciously attacked the department of commerce's activities, and suggested many changes in the Dill bill. He suggested no power over 500 watts be allowed for stations when broadcasting simultaneously, and such stations be located 500 miles or more apart, thus preventing complete monopoly of the receiving set dials which now is the case when a number of stations are connected together.

He urges the same wave length for all stations operating in a chain, and answered those who claimed it is impossible by advising the commitee he has filed for patent on such a system that will enable any number of stations to broadcast simultaneously on the same wave without interference.

Denounces Hoover as Villian

Baker branded as false, or misrepresentations, the data supplied by the departments on some Radio matters, claiming it may have been done to mislead the public.

He further asserted that the department of commerce has discriminated in the allocation of wave lengths, putting capital and powerful interests on the few select wave bands above 280 meters and crowding over 459 stations together between 200 and 280 meters, with great interference. He said there were open wave lengths in New York city, supposedly held for favorites or some powerful station, perhaps WJZ at Boundbrook. He attacked WJZ, the 50,000-watt station at Boundbrook, as to their right, under an experimental license, to broadcast programs and advertising with higher power than others are authorized to use.

Mr. Baker stated he can produce sufficient evidence of discrimination to warrant a complete investigation of the Radio administration in America, which he will start as soon as arrangements can be made with a senator to introduce the resolution in the senate. He added that the White and Dill bills should be defeated because they protect the "interests" more than the public.

TOWNS OF PANHANDLE PLAINS GIVING SERIES

Artists from Different Points in Region Perform at WDAG

AMARILLO, Texas. — The Panhandle Plains publicity programs that have been scheduled at Station WDAG, the Martin broadcast station of this city, have been very successful in their efforts to entertain the Radio world.

The closing series of these programs will be broadcast beginning March 23. During the following three weeks, artists from many different towns in the Texas Panhandle Plains region will be heard over WDAG.

The towns to be represented are: Canadian, March 23; Crosbyton, 24; Post City, 25; Booker, 26; Estelline, 27; Follett, 29; Hedley, 30; Idalou, 31; Lockney, April 1; Miami, 2; Muleshoe, 3; Perryton, 5; Plainview, 6; Spearman, 7; Stratford, 8; Wellington, 9; Ralls, 10; Lorenzo, 12; Mobeetie, 13; Channing, 14. All of the programs will begin at 9 p. m., Central time.

Program on 10 Watts Power Is Received Across Country

PROVIDENCE, R. I.—What appears to be a new broadcasting record was made recently when a program sent from WGBM, here, with but 10 watts of power was received on a loud speaker in the state of Washington. A post card giving the time and the selections played was received at the station saying that the program came in clearly through slight interference from KFWI.

DEMPSEY NERVOUS WHEN FACING MIKE

DENVER. — To Jack Dempsey there probably is one ordeal less trying than facing the microphone for a swing at static. That, say Denver sports writers and observers, is a good stiff battle in a squared circle.

Giant that he is, the heavyweight champion can show his wares before an audience of any size without flinching and, as he declared recently over KOA here, is prepared to defend his title against any challenger, but punching static is an entirely different story.

"Before starting his talk over the General Electric station, the champion was plenty nervous," observed the sports editor of one Denver paper. "First he stood on one foot and then on the other while being introduced to Radio listeners by Freeman H. Talbot, studio director. Next, he slid one hand into his pocket and finally put the other at his back."

In launching his Radio talk, Dempsey explained that his happiest days were the struggles of his early career.

"On all sides," he continued, "I am being asked when I am going to defend my title. In answer, I want to say, I am in the greatest shape of my career. I am ready to defend my title against any man in the world, Harry Wills preferred.

"Negotiations for this bout are shaping up so that I am sure a definite announcement will be made in a few weeks."

ANNOUNCER'S CALL IS IDENTIFICATION

David Lipton, Radio Director of Balaban & Katz, Gives Call to Cash Check

CHICAGO.—Speaking of the power of the press, the power of the screen and the like, hear this tale of the power of Radio.

David Lipton, announcer and Radio director of the Balaban & Katz theaters, who broadcasts over WMAQ, WGN and WEBH, walked into a bank the other day to cash his weekly pay check. Having no account, being a Radio man, he was asked for identification.

He searched vainly through his pockets without finding anything to prove his employment with the firm.

"Say," he asked the teller, "Have you a Radio set?"

"Sure have," answered the money man, "the wife and I listen to it every night."

"Well then," said Lipton, "See if you can recognize this." "WMAQ," he called forth in true Radio fashion, "Broadcasting an organ program direct from the auditorium of the Balaban & Katz Chicago theater."

"You're the Balaban & Katz announcer," cried the teller promptly, "say that was a fine program you gave us last night. Have Fossler play 'Mother Machree' for us some evening," he continued gleefully as he passed the two dollars over the counter to the hard-working man.

Cupid Makes Conquest At Hollywood Station

Billie Dunn and Tom Breneman in Studio Romance

HOLLYWOOD. — Although listeners could only hear the call letters KFWB as the program came over the Warner Bros. "mike," it was really station LOVE broadcasting. Billie Dunn, popular studio pianist of the movie station, thought the day a little warm even for a California winter when a big, handsome newcomer from the East walked into the studio and announced that he was a singer. Later she confessed she capitulated when the singer, Tom Breneman, sang "Take This Rose."

One day the pair showed up at the studio with the announcement of the engagement and shortly afterward cupid finished the job. Now they are back at KFWB, Billie Dunn's fingers twinkling just a little more as she plays and Tom Breneman sings his ballads with just a little more sentiment, a perfectly happy Radio-romantic couple.

WLW Is City Mouth-Piece

CINCINNATI.—Col. C. O. Sherrill, city manager of the city of Cincinnati, has appointed Powel Crosley, Jr.'s broadcasting station WLW, the official mouth-piece of the city. Messages of importance to listeners all over the country will be sent through the station.

The New Radio Book HOW TO -

Operate Sets
Construct Parts
Improve Reception
Understand Radio
Assemble Circuits

REVISED EDITION

FREE With One Year's Subscription to Radio Digest

THE revised edition now contains the greatest assemblage of facts and hints, from actual everyday practice, ever gotten together. Edited by the technical staff of Radio Digest, it supplies the demand for a book covering every phase of Radio from a simple explanation of Radio reception to a technical explanation of the different parts of a set which leads to the best reception possible. The sections on selecting and making sets develops the different types of sets and circuits with diagrams to explain same. A seven tube super-het on a panel 7x18 inches, complete with all instructions, illustrations describing the wiring and actual size template is described. Just the thing for a portable this summer. Do you know how to get the best out of your set? "How to Operate" gives detailed information on the operation of all the well-known sets. The list of stations which is complete and revised, now contains all stations classified according to call letter, states and wave lengths. The section of workshop kinks will save the home constructor time and money.

Now is the time to take advantage of the exceptional offer as listed in the coupon for your convenience.

Hartland, Wisc.

"The five tube Traveler, described in your wonderful book 'Radio Receivers' is a 'wow.' It is impossible to go wrong with your new system of wiring pictures. We tour the country ever night."

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Enclosed find five dollars for one year's subscription to Radio Digest including FREE the New 124 Page Radio Book called "Radio Receivers—How to Operate and How to Make." Not good through subscription agents or agencies.

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CITY..... STATE.....

WHEN KYW PICKS UP THE CONGRESS

RATING with the most beautiful studios in the country, the Congress hotel pickup of Westinghouse Station KYW, is pleasing in its simplicity. The best of furniture and equipment are found therein. The Congress studio has its own staff, the members of which are shown above. At the left in the circle is Miss Eulalie Kober Stade, accompanist and pianist. In the group, left to right, are Miss Stade, Edwin Boroff, director of Congress studio; Miss Florence Pauley, soprano; and Harold H. Isbell announcer. KYW's studios are scattered all over the Chicago loop district. One is located in the Hearst building, and another, probably the most elaborate of the three, is in the Fine Arts building. The transmitter is on the Congress hotel. While its rated power is 25,000 watts, KYW uses but 2,000.

RADIO SERVICE ASKS FOR LARGER BUDGET

PLAN TO SPEND MONEY TO LESSEN INTERFERENCE

New Offices Would Be Placed at Strategic Points and Night Headquarters Force Added

WASHINGTON. — An increased appropriation of $125,000 is recommended for the Radio service of the department of commerce in the appropriation bill for that department just reported to the house by the appropriations committee.

Plans have already been made by the Radio service for the utilization of the increased money to decrease interference. Deputy Commissioner Arthur J. Tyrer, of the bureau of navigation, gives the following account of how the money will be spent:

"We believe we should locate offices in the present centers of sending stations, at strategic points. In each of these sub-offices we should have an assistant inspector and one clerk. The new offices that we propose are at Dallas, Memphis, Los Angeles, Portland, Ore.; Pittsburgh, Buffalo, Denver, St. Louis, Minneapolis and Omaha.

Would Put On Night Inspectors

"At each of these new offices that we propose to locate, we would have an assistant inspector and one clerk. We are proposing to put one new man at each of the nine headquarters ports for night duty. Perhaps the most important broadcasting period is from 7 to 12 o'clock at night and at the present time our men who go on duty at 9 o'clock in the morning are continuing until along in the evening with their work. But it is rather heavy for them, so we propose to put on a night man at each of the headquarters ports.

"Then we propose to have one additional assistant inspector at Boston, New York, Baltimore, Atlanta, San Francisco, Seattle, Chicago and two at Detroit.

To Get Three New Radio Trucks

"We propose to get three new Radio-equipped trucks for locating sources of interference. We propose eventually to have one in each district. We tried one in the Detroit district first, to make sure that it would do what we thought it would do.

"During the time this Detroit truck has been in actual operation it has located 30 sources of serious interference and required the owners of transmitting stations to remedy the same. During this time 53 cities in five states were visited; 48 amateur, 15 broadcasting, 11 commercial, and 14 ship stations were inspected."

At the present time the Radio section is working under an allowance of only $220,525 but the bureau of budget recommends $354,000 for the fiscal year 1927. This was cut by the committee to $335,000 but it is understood that an effort will be made to have the appropriation increased when it is taken up on the floor of the house.

Call for Aid Over Radio Brings Relief To Widow and Children of Storm Hero

Family of War Veteran who Fought Raging Seas on Santa Monica Bay Receives $3,800 After Story Is Told to Listeners In at Station KNX

HOLLYWOOD.—When raging seas and unheard-of high tides swept in on the Santa Monica bay district near Los Angeles during the latter part of February, threatening destruction to piers and shipping and wrecking many of the cottages that had been built on the beach, a war veteran named Harry Hoover was one of the tireless ones who worked night and day saving the lives and property of those who lived on the shore. During the height of the storm he was swept out to sea and, presumably, because his strength had been exhausted in his fight for others, was unable to beat his way to shore and was drowned, leaving a widow and three small children.

The word of Harry Hoover's death came to G. Allison Phelps, Town Crier at Station KNX in Hollywood, who, with the permission and help of Naylor Rogers, manager of the station, decided to call on the Radio audience to help the grief-struck and penniless widow. At the time word came of Hoover's death, the station was booked solid with toll programs but sponsors came forward and donated five, ten and fifteen minutes each so the Radio audience could be told of the tragedy of the drowning, as well as the greater tragedy that faced the surviving little family.

The response was immediate, people phoning in their donations, and others, finding it impossible to get KNX by telephone, came in person to the studio to hand in their contributions. At 12 o'clock, when the station usually signs off for the night, about $800 had been received and the telephone service still was paralyzed with incoming calls, so gathering a few of the artists together KNX continued on the air with a special Harry Hoover program that lasted until 4:30 in the morning.

A few days later G. Allison Phelps took a check for $3,800 to Mrs. Hoover; contributions were still pouring in from all over the country, and means and ways of erecting a fully-paid-for home were being completed.

"It is a thing like that that gets under a man's skin," said Naylor Rogers afterwards, "and that makes this Radio game the biggest and most interesting one I know of."

PLEDGE CARD **Radio Digest** Illustrated PROGRAMS Reg. U. S. Pat. Off. & Dom. of Canada **I WON'T BLOOP CLUB**

I pledge myself to operate my Radio set to reduce radiation or blooping. If I am unable to make my present set operate properly, I further pledge myself to replace it with a receiver that will create less interference.

Make of my set:

Number of tubes is:

Signature .....

Address .....

City and State.....

I am cooperating in this campaign with Station.....

Upon mailing this pledge to Radio Digest, "I Won't Bloop Club" membership card suitable for wallet or framing will be issued.

HAVE you offered to do your share in improving broadcast reception by co-operating with the thousands of members of the I WON'T BLOOP club? Listeners from Alaska to Cuba have joined this movement of the Radio Digest to clear the air, and already reports are reaching our offices telling of improved conditions brought about by neighbors getting together and eliminating dial interference.

Broadcasting stations, newspapers and Radio clubs which have secured chapters in the club and who are acting as individual units of the club, are sending in daily lists.

Do you belong to a Radio club? If so, have the club pass resolutions to follow an I Won't Bloop policy. Get the members' pledges. Fill one out yourself. Do it today. Then follow the pledge to operate your receiver properly.

BALABAN AND KATZ ENTER RADIO FIELD

CHICAGO THEATER OWNERS EMPLOY FOUR STATIONS

Choice Bits of Musical Programs and Entertainment Are Broadcast by Remote Control

CHICAGO.—Balaban and Katz, owners of the Chicago, Roosevelt, Uptown, Central Park and Tivoli theaters, Chicago, have completed arrangements with stations WMAQ, WGN, WEBH and KYW whereby the choice bits of their musical programs are broadcast at intervals during the week.

Studios have been constructed in the theaters controlled by Balaban and Katz and are hooked up with the various stations by remote control.

Stage presentations are broadcast as well as the studio numbers, and the various stars appearing on the programs entertain Radio audiences during the period of their engagement.

The famous Sunday noon concerts of the Chicago theater are broadcast through WGN. The Balaban and Katz Radio review every Saturday night and the dinner hour organ concerts by Dean Fossler are nightly features from the Chicago theater through WMAQ. From WEBH every Tuesday night at 9 o'clock, Uptown theater entertainment is broadcast, as well as every Thursday afternoon between 3 and 4 o'clock.

KYW broadcasts midnight shows from the stage of McVicker's theater Wednesdays and Fridays.

Forbes Fairbairn, former Hearst staff correspondent in Europe and later director of stations WTAS and WCEE, has been appointed director of the Balaban and Katz Radio presentations.

Leon H. Wood Is Heard On Large Grace Church Organ

NEWARK, N. J.—Leon H. Wood, Orange, N. J., organist, was heard over WOR recently on the Grace Church organ, which is generally said to be one of the six largest church organs in the world.

The organ has taken nearly five years to build and is just now completed. It contains 300,000 square feet of lumber, has over 9,000 pipes and over 500 miles of wire. Of further interest, it takes two 20-horsepower electric motors to supply wind for this instrument, furnishing 15,000 cubic feet of air per minute.

Rochester Philharmonic Is Putting Concerts Upon Air

ROCHESTER, N. Y.— The Rochester Philharmonic orchestra has joined the list of notable symphonic bodies that are broadcasting their concerts by "going on the air." This happened recently when its program was carried by both WGY at Schenectady and WHAM at Rochester. Although other concerts have been broadcast from the Eastman theater and its kindred institution, the Eastman School of Music, this was the first broadcasting of an entire performance by the Philharmonic, the famous orchestral unit conducted by Eugene Goossens.

French Chamber Rejects Tax

PARIS.—The French chamber, after a heated debate recently, rejected the proposal to inflict a flat rate tax on all receiving sets in France. The tax was condemned as undemocratic and vexatious and as likely to interfere with a useful branch of public instruction.

AN EVENING AT HOME WITH THE LISTENER IN
IN EASTERN TIME

Call	Location	Met.	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday
AT9	Fort Bragg, N. C.	435	Silent	6:00- 7:00	Silent	Silent	Silent	8:00- 9:55	Silent
CFCA	Toronto, Ont.	356.9	Silent	7:00- 9:00	6:45- 7:45	Silent	7:00-12:00	Silent	Silent
CFCN	Calgary, Alta.	434.5	12:00- 2:00	Silent	Silent	Silent	Silent	10:00-11:00	Silent
CJCA	Edmonton, Can.	516.9	11:00- 1:00	9:30-10:30	9:30-11:30	9:30-10:00	8:00-10:00	11:00- 1:00	10:00-1:00
CKAC	Montreal, Que.	410.7	7:00-11:30	2:45- 3:45	Silent	7:00-11:30	Silent	7:30- 9:30	Silent
CKCL	Toronto, Ont.	356.9	7:00- 8:00	3:00- 4:55	Silent	7:00-11:50	Silent	7:00- 8:00	Silent
CKNC	Toronto, Ont.	356.9	8:00-10:00	Silent	8:00-11:00	Silent	Silent	Silent	Silent
CKY	Winnipeg, Man.	384.4	9:00-12:00	8:00-11:00	9:00- 1:00	Silent	8:30-12:00	9:30-12:00	Silent
CNRO	Ottawa, Ont.	434.5	8:30- 1:30	Silent	Silent	Silent	8:30- 1:30	Silent	Silent
CYL	Mexico City, Mex	480	Silent	10:24-11:54	Silent	10:24-11:54	Silent	Silent	10:24-11:54
CZE	Mexico City, Mex.	350	9:24-10:24	Silent	9:24-10:24	9:24-10:24	9:24-10:24	9:24-10:24	9:24-10:24
KDKA	Pittsburgh, Pa.	309.1	6:30- 9:55	4:00- 8:45	6:30- 9:55	6:30-12:35	6:30- 9:55	6:30-12:00	6:30-11:05
KFAB	Lincoln, Nebr.	340.7	6:30- 3:00	5:00-12:00	6:30- 3:00	6:30-11:30	6:30-11:30	Silent	6:30-11:30
KFDM	Beaumont, Texas	315.6	Silent	9:00-10:00	Silent	9:00-11:30	Silent	Silent	9:00-11:30
KFI	Los Angeles, Calif.	467	9:00- 6:00	7:00- 2:00	9:00- 2:00	9:00- 2:00	9:00- 2:00	9:00- 2:00	9:00- 2:00
KFJF	Okla. City, Okla.	260.7	7:30-11:45	3:30-12:45	7:30-11:45	7:30- 8:30	7:30- 1:00	7:30-11:45	7:30-11:45
KFKX	Hastings, Nebr.	288.3	6:30- 7:30	Silent	6:30-12:00	6:30- 7:30	6:30-12:00	6:30- 9:00	6:30-12:00
KFMX	Northfield, Minn.	336.9	Silent	8:00- 9:00	Silent	10:30-11:00	10:00-11:00	Silent	11:00-12:00
KFNF	Shenandoah, Ia.	263	8:00- 1:00	3:30- 9:30	8:00-10:00	8:00-10:00	8:00-10:00	8:00-10:00	8:00-10:00
KFOA	Seattle, Wash.	454.3	12:30- 2:00	Silent	10:00- 1:00	9:00- 2:00	10:00- 1:00	Silent	9:00- 2:00
KFON	Long Beach, Calif.	232.4	9:00- 2:00	9:00-12:30	9:00- 2:00	9:00- 2:00	9:00- 2:00	9:00- 2:00	9:00- 2:00
KFQB	Fort Worth, Tex.	508.2	9:30-10:30	4:00- 9:30	9:30-10:30	9:30-10:30	Silent	9:30-10:30	9:30-10:30
KFRU	Columbia, Mo.	499.7	Silent	8:30- 9:30	7:15- 8:15	7:15- 8:15	10:00-12:00	7:15- 8:15	7:00- 3:00
KFUO	St. Louis, Mo.	545.1	Silent	5:00-11:15	9:00-10:00	Silent	10:15-11:15	Silent	Silent
KFVE	Univ'ty City, Mo.	240	10:15-11:15	Silent	10:15-11:15	10:15-11:15	10:15-11:15	Silent	10:15-11:15
XFWA	Ogden, Utah	260.7	11:00- 2:00	Silent	Silent	Silent	11:00- 2:00	Silent	Silent
KFWB	Hollywood, Calif.	252	11:00- 2:00	12:00- 2:00	10:30- 2:00	11:00- 2:00	11:00- 2:00	11:00- 2:00	10:10- 2:00
KFWI	San Francis., Calif.	226	Silent	11:00- 3:00	11:00- 3:00	Silent	11:00- 4:00	1:00- 3:00	11:00- 4:00
KFXF	Colorado Springs.	250	11:00- 1:00	9:30-10:30	10:30-12:30	10:30-12:30	Silent	11:00- 1:00	Silent
KGO	Oakland, Calif.	361.2	11:30- 3:00	6:30-11:30	9:00- 1:00	9:00- 3:00	9:00-10:00	11:00- 4:00	9:00-10:00
KGW	Portland, Ore.	491.5	9:00- 3:00	9:00- 1:00	9:00- 1:00	9:00- 3:00	9:00- 2:00	9:00-11:00	9:00- 3:00
KHJ	Los Angeles, Cal.	405.2	9:30- 1:00	7:00- 1:00	Silent	9:30- 1:00	9:30- 1:30	9:30- 1:00	9:30- 1:00
KIAF	Sihtipok, Minn.	421	Silent	3:00- 4:00	8:00- 9:00	Silent	8:00- 9:00	Silent	8:00- 9:00
KJR	Seattle, Wash.	384.4	11:30- 1:00	8:00- 1:30	10:00- 1:00	10:00- 1:00	10:00- 1:00	10:00- 3:00	10:00- 1:00
KLDS	Independence, Mo.	440.9	9:00-10:00	7:30-11:00	Silent	9:00-12:59	Silent	9:00-10:00	Silent
KLX	Oakland, Calif.	508.2	Silent	Silent	7:00- 1:30	Silent	7:00- 1:00	Silent	7:00- 1:30
KMA	Shenandoah, Iowa.	252	7:00-12:00	5:00- 7:00	7:00-12:00	7:00-12:00	7:00-12.00	7:00-12:00	7:00-12:00
KMOX	St. Louis, Mo.	280.2	7:00-12:00	Silent	7:00-12:00	7:00-12:00	7:00-12:00	Silent	7:00-12:00
KNX	Hollywood, Calif.	336.9	9:15- 5:00	9:30- 1:30	9:30- 3:00	9:15- 3:00	9:15- 3:00	9:15- 3:00	9:15- 3:00
KOA	Denver, Colo.	322.4	11:00- 1:00	5:00-10:45	8:30-12:30	8:30-10:30	8:30- 2:00	8:30- 9:30	8:30-11:00
KOB	StateCollege, N.M.	348.6	Silent	Silent	9:30-10:30	Silent	Silent	Silent	9:30-10:30
KOIL	Council Bluffs, Ia.	278	8:00- 4:00	8:00- 1:00	7:00- 1:00	7:00- 1:00	7:00- 8:15	7:00- 1:00	7:00- 1:00
KPO	San Francisco, Cal.	428.3	9:35- 3:00	8:00- 1:00	9:40- 2:00	9:10- 2:00	9:40- 2:00	9:40- 2:00	9:30- 2:00
KPRC	Houston, Texas	296.9	8:30- 1:00	8:30-11:30	8:30-11:00	8:30-10:30	8:30- 1:00	8:30- 1:00	Silent
KPSN	Pasadena, Cal.	315.6	11:00- 1:00	9:45-11:45	Silent	11:00-12:30	Silent	11:00-12:00	Silent
KSD	St. Louis, Mo.	545.1	7:45-11:00	7:15-10:15	7:55-12:00	7:55-11:00	8:00-10:00	7:55-11:00	8:30-10:00
KSL	Salt Lake City, U.	299.8	10:00- 1:00	10:00-12:00	10:00- 1:00	9:30-12:30	9:30-12:30	9:45- 1:00	9:30- 1:00
KTAB	Oakland, Calif.	240	Silent	10:45- 2:00	11:00- 1:00	11:00- 1:00	Silent	12:00- 3:00	11:00- 1:00
KTBI	Los Angeles, Cal.	293.9	Silent	10:15-12:30	Silent	11:00-12:00	Silent	11:00-12:00	Silent
KTCL	Seattle, Wash	305.9	Silent	12:10- 9:10	10:00-11:00	11:00-12:00	Silent	Silent	10:00- 3:00
KTHS	Hot Springs, Ark.	374.8	10:00-11:30	10:00-12:30	10:00-12:00	10:00-11:30	10:00-12:00	10:00-11:45	10:00-12:00
KTW	Seattle, Wash.	455	9:30-10:30	Silent	Silent	9:30-10:30	Silent	9:30-10:30	Silent
KUOA	Fayetteville, Ark.	299.8	Silent	Silent	Silent	8:30- 9:30	9:00-10:00	Silent	Silent
KWKH	Shreveport, La.	260.7	10:00- 1:00	8:00-12:00	10:00-12:30	10:00- 1:00	Silent	9:00-10:30	Silent
KWSC	Pullman, Wash.	348.6	Silent	Silent	10:30-12:00	Silent	10:30-12:00	Silent	10:30-12:00
KWWG	Brownsville, Tex.	278	7:00- 8:00	3:30- 4:30	9:30-10:30	7:00- 8:00	7:00- 8:00	7:00- 8:00	7:00- 8:00
KYW	Chicago, Ill.	535.4	7:00- 2:00	3:30-11:30	Silent	7:00- 1:00	7:00- 2:30	7:00- 3:00	7:00- 2:30
NAA	Radio, Va.	434.5	Silent	Silent	7:45- 8:00	7:45- 8:00	7:25- 8:40	7:45- 8:00	7:45- 8:00
PWX	Havana, Cuba	400	8:30-11:00	8:00-10:00	8:30-11:00	8:30-11:00	8:00-10:00	Silent	8:30-11:00
WADC	Akron, Ohio	258	6:30- 7:30	6:30- 7:30	6:30- 7:00	6:30-11:30	6:30- 7:30	6:30-11:00	6:30-11:00
WAHG	Richmond, N. Y.	315.6	12:00- 2:00	Silent	8:00- 2:00	Silent	7:30-12:00	Silent	8:00-11:00
WAMD	Minneapolis, Minn.	244	7:15-11:30	8:00-11:00	8:00- 1:00	Silent	8:00- 1:00	7:15- 1:00	7:15- 1:00
WBAL	Baltimore, Md.	246	Silent	6:30- 8:30	6:30-10:00	6:30-10:00	Silent	6:00-10:00	6:30-10:00
WBAP	Fort Worth, Tex.	475.9	7:00-12:00	6:00-12:00	7:00- 1:00	7:00-12:00	7:00- 7:30	7:00- 1:00	7:00- 1:00
WBAR	Sisiht, Wis.	406	Silent	11:00-12:00	10:00-11:00	Silent	9:00-10:00	8:30- 9:30	Silent
WBBM	Chicago, Ill.	226	9:00- 3:00	5:00- 3:00	7:00- 8:00	9:00- 1:00	9:00- 3:00	9:00- 1:00	9:00-11:00
WBBR	Staten Island, N.Y	272.6	8:00-10:00	9:00-10:15	8:00- 9:00	Silent	Silent	8:00- 9:00	Silent
WBCN	Chicago, Ill.	266	10:00- 2:00	6:00- 1:00	Silent	10:00- 2:00	9:00- 1:00	10:00- 3:00	10:00- 2:00
WBZ	Springfield, Mass.	333.1	6:30-10:00	7:00- 9:00	6:30-10:30	6:30-10:15	6:30-10:00	6:30-10:00	6:30-10:00
WCAE	Pittsburgh, Pa.	461.3	8:30- 9:30	6:30-10:15	6:30-12:00	6:30-12:00	6:30-10 00	6:30-11:00	6:30-10:30
WCAP	Washington, D. C.	468.5	Silent	4:00-10:15	7:00-11:00	Silent	7:00-11:00	Silent	6:00-12.00
WCAU	Philadelphia Pa.	278	Silent	5:00-11:30	8:00-11:30	6:45-11:30	6:45-12:00	6:30-12:30	6:45-11:30
WCBD	Zion, Ill.	344.6	Silent	9:00-11:30	Silent	9:00-11:30	Silent	9:00-11:30	Silent
WCCO	Minn-St. P., Minn	416.4	7:15-12:05	5:10- 9:15	7:30-11:00	7:15-11:00	7:45- 1:30	8:00-12:05	7:15-12:05
WCOA	Pensacola, Fla.	222	12:00- 1:00	Silent	7:30- 8:30	Silent	7:30- 8:30	Silent	7:30- 8:30
WCX	Detroit, Mich.	516.9	6:00- 7:00	7:15- 8:15	6:00- 9:00	6:00-11:00	6:00- 9:00	6:00- 9:00	6:00-10:00
WDAF	Kansas City, Mo.	365.6	7:00- 2:00	5:00- 5:45	7:00- 2:00	7:00- 2:00	7:00- 2:00	7:00- 2:00	7:00- 2:00
WDBO	Winter Park, Fla.	240	9:00-10:30	5:00- 6:00	9:00-10:30	9:30-11:00	9:00-10:30	9:00-10:30	9:00-10:30
WDWF	Providence, R. I.	440.9	Silent	Silent	Silent	8:30- 9:30	Silent	Silent	Silent
WEAF	New York, N. Y.	491.5	6:00-12:00	2:00-10:15	6:00-12:00	6:00-12:00	6:00-12:00	6:00-12:00	6:00-12:00
WEAN	Providence, R. I.	270.1	6:30-10:30	7:30- 8:45	6:30-10:30	6:30-10:30	6:30-10:30	6:30-10:30	6:30-10:30
WEAO	Columbus, Ohio	293.9	Silent	Silent	Silent	7:00- 9:00	8:00- 9:00	8:00-11:00	Silent
WEAR	Cleveland, Ohio	389.4	7:00- 1:00	7:00-10:15	7:00- 8:00	7:00-12:00	7:00- 8:00	7:00-11:00	7:00-12:00
WEBH	Chicago, Ill.	370.2	8:00- 3:00	6:00-10:00	Silent	8:00- 1:30	8:00- 1:30	8:00- 1:30	8:00- 1:30
WEBJ	New York, N. Y.	272.6	Silent	Silent	Silent	8:00- 9:00	8:00-10:00	Silent	7:00- 9:00
WEEI	Boston, Mass.	348.6	8:10-11:00	3:00-10:15	6:15-11:00	7:30-11:30	6:15-11:00	7:30-11:00	7:30-11:00
WENR	Chicago, Ill.	266	7:00- 3:00	3:00- 1:00	Silent	7:00-11:00	7:00- 3:00	7:00-11:00	7:00- 3:00
WFAA	Dallas, Tex.	475.9	7:30- 1:00	7:00- 1:00	7:30-10:30	7:30- 1:00	Silent	7:30- 1:00	7:30-10:30
WFBH	New York, N. Y.	272.6	11:30- 2:00	5:00- 8:00	11:30- 2:00	11:30- 2:00	11:30- 2:00	11:30- 2:00	11:30- 2:00
WFI	Philadelphia, Pa.	394.5	6:30-12:00	4:30- 5:30	6:30- 8:00	6:30-11:30	6:30- 8:00	6:30-11:00	6:30- 8:00
WGBS	New York, N. Y.	315.6	6:00-11:30	8:00- 9:00	7:00- 7:15	6:30-11:30	6:00- 8:30	6:00- 8:45	Silent
WGBU	Fulford, Fla.	278	6:30- 1:00	9:30-12:00	6:30- 1:00	6:30- 1:00	6:30- 1:00	6:30- 1:00	6:30- 1:00
WGCP	New York, N. Y.	252	Silent	8:00-11:15	8:00-11:00	Silent	8:00-11:15	Silent	8:00-11:00
WGES	Oak Park, Ill.	250	6:00- 2:00	6:00- 1:00	Silent	11:30- 3:00	11:30- 3:00	11:30- 3:00	11:30- 3:00
WGHB	Clearwater, Fla.	266	6:30- 1:00	Silent	6:30- 1:00	6:30- 1:00	6:30- 1:00	6:30- 1:00	6:30- 1:00
WGHP	Detroit, Mich.	270	Silent	Silent	7:00- 2:00	7:00- 2:00	7:00- 2:00	7:00- 2:00	7:00- 2:00
WGN	Chicago, Ill.	302.8	7:30-11:00	4:00-10:15	Silent	7:30-12:00	7:30-12:00	7:30-12:00	7:30-12:00
WGR	Buffalo, N. Y.	319	Silent	7:45-10:15	6:30-12:00	6:30-11:00	6:30- 1:00	6:30-11:00	6:30-12:00
WGY	Schenectady, N. Y.	379.5	6:30-12:00	3:00- 9:15	6:30- 8:45	6:30-11:30	6:30- 9:05	6:30-12:30	7:00-11:30
WHAD	Milwaukee, Wis.	275.1	Silent	4:15- 5:15	7:15-11:00	7:15- 8:00	7:15- 1:30	7:15- 8:00	7:15-11:00
WHAR	Atlantic City, N.J.	275.1	7:30- 9:00	7:50-10:00	7:30-12:00	7:30- 9:00	Silent	7:30-12:00	7:30- 9:00
WHAS	Louisville, Ky.	399.8	8:30-10:00	5:30- 6:30	Silent	8:30-10:30	8:30-10:00	8:30-10:00	8:30-10:00
WHAZ	Troy, N. Y.	379.5	Silent	Silent	9:00-12:00	Silent	Silent	Silent	Silent
WHB	Kansas City, Mo.	365.6	Silent	9:00- 2:00	8:00- 9:00	8:00-11:00	8:00- 9:00	8:00-11:00	8:00- 9:00
WHN	New York, N. Y.	361.2	Silent	6:00-12:30	6:00- 1:00	6:00- 1:00	6:00- 1:00	6:00- 1:00	6:00- 1:30
WHO	Des Moines, Ia.	526	Silent	8:30- 9:30	8:30- 1:00	8:30- 1:00	7:00- 1:00	8:30- 1:00	8:30- 1:00
WHT	Chicago, Ill.	399.8	8:00- 2:00	1:00-11:30	Silent	8:00- 2:00	8:00- 2:00	8:00- 2:00	8:00- 2:00
WIBO	Chicago, Ill.	226	7:00- 9:00	7:00- 1:00	Silent	7:00- 4:00	7:00- 4:00	7:00- 4:00	7:00- 3:00
WIP	Philadelphia, Pa.	508.2	6:05-12:05	4:00- 5:00	6:05- 8:00	6:05-11:30	6:05- 8:00	6:05-11:15	6:05- 8:00
WJAR	Providence, R. I.	305.9	Silent	7:20-10:15	7:30-11:00	7:30- 9:05	7:30-11:00	7:45-11:00	7:30-12:00
WJAS	Pittsburgh, Pa.	275.3	7:00-12:00	Silent	7:00-12:00	7:00-12:00	7:00-12:00	7:00-12:00	7:00-12:00
WJAX	Jacksonville, Fla.	336.9	8:00-10:00	7:30- 8:30	8:00-10:00	8:00-12:00	8:00-10:00	8:00-12:00	8:00-10:00
WJAZ	Chicago, Ill.	322.4	Silent	Silent	Silent	Silent	Silent	11:00- 1:00	Silent
WJJD	Mooseheart, Ill.	370.2	6:30- 2:00	4:00- 5:00	Silent	6:30- 2:00	6:30- 2:00	6:30- 2:00	6:30- 2:00
WJR	Pontiac, Mich.	516.9	7:00-12:30	Silent	7:00-12:30	7:00-10:00	7:00-12:30	7:00-11:00	7:00-10:00
WJZ	New York, N. Y.	454.3	7:00-10:30	7:00-11:00	7:00-11:30	7:00-11:45	7:00-11:30	7:00-11:45	7:00-11:30
WKAQ	San Juan, P. R.	340.7	Silent	Silent	Silent	Silent	7:00- 9:00	7:00- 9:00	7:00- 9:00
WKAR	Lansing, Mich.	285.5	12:30- 2:00	Silent	7:00- 8:00	Silent	8:00- 9:15	Silent	7:00- 8:00
WKRC	Cincinnati, O.	422.3	11:00- 1:45	6:45- 1:30	7:00- 2:00	11:00- 1:00	7:00- 2:00	11:00- 1:15	Silent
WLIB	Chicago, Ill.	302.8	7:00- 2:00	6:00- 8:00	Silent	8:00- 2:00	8:00- 2:00	8:00- 2:00	8:00- 2:00
WLIT	Philadelphia, Pa.	394.5	5:30- 6:30	7:00- 8:30	5:30- 9:45	5:30- 5:50	5:30- 9:30	5:30- 6:30	5:30-10:00
WLS	Chicago, Ill.	344.6	8:00- 2:00	7:00- 8:55	Silent	8:00- 9:00	8:00-12:30	8:00- 9:55	8:00-12:30
WLW	Cincinnati, O.	422.3	8:00-11:30	4:00-10:30	7:00-10:00	7:00-11:00	7:00- 1:00	8:00- 2:15	Silent
WLWL	New York, N. Y.	288.3	Silent	7:00- 8:00	8:00-10:00	8:00- 9:00	Silent	8:00-10:00	Silent
WMAK	Lockport, N. Y.	265.5	6:15-12:00	7:30- 8:30	7:30-10:00	6:15- 7:15	7:30-10:00	6:15- 7:15	Silent
WMAQ	Chicago, Ill.	447 5	9:00-11:00	Silent	Silent	9:00-11:15	9:00-10:45	8:00-12:00	9:00-11:15
WMAZ	Macon, Ga.	260.7	Silent	Silent	10:00-11:00	8:00- 9:00	11:00-12:00	10:00-11:00	8:00-11:00
WMBB	Chicago, Ill.	250	8:00-12:00	4:00-12:00	Silent	8:00-12:00	8:00-12:00	8:00-12:00	8:00-12:00
WMBF	Miami Beach, Fla.	384.4	7:00- 1:00	7:00- 1:00	7:00- 1:00	7:00- 1:00	7:00- 1:00	7:00- 1:00	7:00- 1:00
WMC	Memphis, Tenn.	499.7	8:15-10:30	Silent	8:15-10:00	8:15- 1:00	Silent	8:15-10:45	8:15- 1:00
WMCA	New York, N. Y.	340.7	9:00- 1:00	7:00-10:00	9:00-12:00	8:00-12:00	9:00-12:00	9:00-12:00	8:00-11:45
WNAC	Boston, Mass.	280.2	6:00-11:00	3:15- 8:45	6:30-10:45	6:00- 9:00	6:00-10:00	6:00- 9:00	6:00-11:00
WNYC	New York, N. Y.	526	7:00-10:30	9:00-11:00	7:35-10:30	7:10-10:30	7:30-10:30	7:35-10:30	7:30-10:30
WOAI	San Antonio, Tex.	394.5	Silent	8:30-11:30	Silent	9:30-10:30	9:30-10:30	Silent	9:30-10:30
WOAN	Lawrenceb'g, Tenn.	282.8	Silent	10:00-11:00	10:00- 2:30	10:00-11:00	10:00-11:00	10:00-11:00	10:00-11:00
WOAW	Omaha, Nebr.	526	7:00- 1:00	7:00-10:00	7:00-11:00	7:00- 2:00	Silent	7:00- 2:00	7:00-12:15
WOAX	Trenton, N. J.	240	Silent	9:30-11:30	Silent	Silent	Silent	Silent	Silent
WOC	Davenport, Ia.	483.6	10:00- 1:00	7:30-12:45	Silent	7:30-12:30	7:30-11:30	7:30- 1:00	7:30-11:30
WOK	Homewood, Ill.	217.3	11:00- 2:00	7:30- 9:30	7:00- 2:00	11:00- 2:00	11:00- 2:00	11:00- 2:00	11:00- 2:00
WOO	Kansas City, Mo.	508.2	Silent	6:05-10:15	6:00- 7:00	7:30- 8:30	7:30-12:00	7:30- 8:30	7:30-12:00

Call	Location	Met.	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday
WOQ	Philadelphia, Pa.	278	9:00-12:00	9:00-10:15	Silent	9:00-10:00	Silent	8:00-10:00	Silent
WOR	Newark, N. J.	405.2	6:15- 8:30	Silent	6:15- 9:30	6:15- 7:30	6:15-10:00	6:15- 7:30	6:15- 7:30
WORD	Batavia, Ill.	275	8:00-11:25	3:30-11:00	Silent	8:00- 1:45	8:00- 1:00	9:00-11:00	8:00- 1:45
WOS	Jefferson City, Mo	440.9	Silent	9:00-10:00	9:00-11:00	Silent	9:00-11:00	Silent	9:00-11:00
WPG	Atlantic City, N.J	299.8	6:45-12:00	3:15-11:00	6:45-12:15	6:45-12:00	Silent	6:45-12:00	6:45-12:00
WQJ	Chicago, Ill.	447.5	8:00- 4:00	8:00-11:00	Silent	8:00- 3:00	8:00- 3:00	8:00- 3:00	8:00- 3:00
WRC	Washington, D. C.	468.5	7:15-11:30	Silent	Silent	7:00-11:30	Silent	7:00-12:30	Silent
WREO	Lansing, Mich.	285.5	10:00-12:00	Silent	Silent	8:15-10:00	Silent	8:15-10:00	Silent
WRVA	Richmond, Va.	256	Silent	Silent	8:00-11:15	Silent	8:00-11:00	8:00-11:00	7:00-11:00
WRW	Tarrytown, N. Y.	273	9:00-11:30	8:00-11:30	9:00-11:30	9:00-11:30	9:00-11:30	9:00-11:30	9:00-11:30
WSAI	Cincinnati, O.	325.9	8:30- 2:00	4:00-11:15	11:00-12:00	8:00-11:00	8:00-11:15	8:00-11:00	Silent
WSB	Atlanta, Ga.	428.3	9:00- 1:00	8:30-10:15	9:00- 1:00	9:00- 1:00	11:45- 1:00	9:00- 1:00	9:00- 1:00
WSM	Nashville, Tenn.	282.8	7:30- 1:00	Silent	7:30-12:00	11:00- 1:00	7:30-12:00	Silent	7:30-12:00
WSMB	New Orleans, La.	319	9:30-11:30	Silent	9:30-12:30	Silent	9:30-11:30	9:30-12:00	Silent
WSUI	Iowa City, Ia.	483.6	Silent	10:15-10:45	8:30-10:00	Silent	Silent	Silent	Silent
WSWS	Chicago, Ill.	275.1	7:00- 2:00	Silent	7:00- 8:00	7:00- 2:00	7:00- 2:00	7:00- 2:00	7:00- 2:00
WTAG	Worcester, Mass.	268	Silent	4:00-10:15	7:00-11:00	7:45-11:00	7:45-11:00	8:00-11:00	8:00- 9:30
WTAM	Cleveland, O.	389.4	6:00-12:00	Silent	6:00-12:00	6:00- 7:00	6:00-12:00	6:00- 7:00	6:00- 7:00
WTIC	Hartford, Conn.	475.9	6:30-12:00	5:00-10:30	6:30-12:00	Silent	6:30-10:00	6:30- 7:30	6:30-12:00
WWJ	Detroit, Mich.	352.7	Silent	6:20-10:00	6:00- 9:00	6:00- 9:00	6:00-10:00	6:00-12:30	6:00-10:00

STATIONS IN ORDER OF WAVE LENGTHS

Meters	Call	Meters	Call	Meters	Call	Meters	Call	Meters	Call	Meters	Call
217.3	WOK	266	WGHB	293.9	KTBI	344.6	WCBD	399.8	WHAS	468.5	WCAP
222	WCOA	268	WTAG	293.9	WEAO	344.6	WLS	399.8	WHT	468.5	WRC
226	KFWI	270.1	WEAN	296.9	KPRC	348.6	KOB	400	PWX	475.9	WBAP
226	WBBM	270.1	WGHP	299.8	KUOA	348.6	KWSC	405.2	KHJ	475.9	WTIC
226	WIBO	272.3	KWKH	299.8	KSL	348.6	WEEI	405.2	WOR	475.9	WFAA
232.4	KFON	272.6	WBBR	299.8	WPG	350	CZE	406	WBAR	480	CYL
240	KFVE	272.6	WEBJ	302.8	WGN	352.7	WWJ	410.7	CKAC	483.6	WOC
240	KTAB	272.6	WFBH	302.8	WLIB	356.9	CFCA	416.4	WCCO	483.6	WSUI
240	WDBO	273	WRW	305.9	KTCL	356.9	CKCL	421	KIAF	491.5	KGW
240	WOAX	275.1	WHAD	305.9	WJAR	356.9	CKNC	422.3	WLW	491.5	WEAF
244	WAMD	275.1	WHAR	309.1	KDKA	361.2	KGO	422.3	WKRC	499.7	KFRU
246	WBAL	275.1	WORD	315.6	KFDM	361.2	WHN	428.3	WSB	499.7	WMC
250	KFXF	275.1	WSWS	315.6	KPSN	365.6	WDAF	428.3	KPO	502.8	KFQB
250	WGES	275.3	WJAS	315.6	WAHG	365.6	WHB	434.5	CNRO	508.2	KLX
250	WMBB	278	KOIL	315.6	WGBS	370.2	WEBH	434.5	CFCN	508.2	WIP
252	KFWB	278	KWWG	319	WGR	370.2	WJJD	434.5	NAA	508.2	WOO
252	KMA	278	WCAU	319	WSMB	374.8	KTHS	435	AT9	516.9	CJCA
252	WGCP	278	WGBU	322.4	KOA	379.5	WGY	440.9	KLDS	516.9	WCX
256	WRVA	278	WOO	322.4	WJAZ	379.5	WHAZ	440.9	WDWF	516.9	WJR
258	WADC	280.2	KMOX	325.9	WSAI	384.4	CKY	440.9	WOS	526	WHO
260.7	KFWA	280.2	WNAC	333.1	WBZ	384.4	KJR	447.5	WMAQ	526	WNYC
260.7	KFJF	282.8	WOAN	336.9	KNX	384.4	WMBF	447.5	WQJ	526	WOAW
260.7	KWKH	282.8	WSM	336.9	KFMX	389.4	WEAR	454.3	KFOA	535.4	KYW
260.7	WMAZ	285.5	WKAR	336.9	WJAX	389.4	WTAM	454.3	WJZ	545.1	KFUO
263	KFNF	285.5	WREO	340.7	KFAB	394.5	WFI	455	KTW	545.1	KSD
265.6	WMAK	288.3	KFKX	340.7	WKAQ	394.5	WLIT	461.3	WCAE		
266	WBCN	288.3	WLWL	340.7	WMCA	394.5	WOAI	467	KFI		

'Mixing Panel' Handles Program on Five Mikes

WHT Engineer Installs Devise to Control Group Broadcast

CHICAGO.—Overcoming one of Radio's most persistent difficulties, Reeve O. Strock, chief engineer of WHT here, has installed a "mixing panel" in the control room of the station. By this device, all five microphones and all incoming lines may be used to broadcast a single number, and the volume of sound coming over any one of these circuits can be magnified or subdued in relation to the others.

The significance of this advance in the technical equipment of the station lies in the fact that ensembles and large groups of voices or instruments can now be adequately broadcast.

Balance of sound, Mr. Strock says, may be secured with this arrangement by the operator in the control room. All that is required is the manipulation of volume dials, one dial governing each microphone. During a solo part, for instance, the volume on all other microphones can be decreased and the microphone carrying the solo part can be emphasized.

Other novel effects, such as the approach or withdrawal of music are now possible. A soloist in the studio may be accompanied by an oratorio choir located miles away with no fear that their respective volumes will be unbalanced. In short, this technical improvement makes possible dozens of new effects.

KOA Is Preparing for Big International Music Week

DENVER.—Eight full days of melody, embracing more than one hundred widely varied airway attractions, are planned for an international Radio audience next May, it is announced, when KOA, General Electric broadcasting station, bills Denver's far-famed music week celebration and annual spring festival.

Although this ethereal undertaking is still two months off, staff members are already absorbed in preliminary details of the program, which, it is predicted, will be one of the stellar Radio achievements of the season.

Musical organizations representing close to thirty western cities are expected to participate.

KPRC in New Studios

HOUSTON.—Station KPRC, Houston Post-Dispatch, has been formally installed in their suite of studios in the new building of the newspaper. Two acoustically perfect and well appointed studios are separated with a spacious reception room for those visiting or waiting their turn on the air. The smaller studio is sufficiently large to accomodate a good-sized orchestra or glee club, while the larger one is capable of taking care of a sixty-piece band.

SAYS SECRET RADIO SYSTEM PERFECTED

PRIVATE COMMUNICATION POSSIBLE, IS CLAIM

Devise Involves Use of Three Wave Lengths with Set Working by Combinations

LONDON.—J. D. Chisholm, president of Secret Wireless, Ltd., giving evidence before the broadcasting investigation committee here, said recently his company had perfected a system of secret Radio which enables signals to be received only by those for whom they are intended.

It is possible by this method for individuals to communicate privately with each other by Radio. A head office of a newspaper may communicate with its branch offices, or vice versa, while at the same time a competitive journal may be doing likewise, neither knowing what the other is doing. By this system also a great range of programs operated by different broadcasting companies from different stations can be made available.

"There are," stated Mr. Chisholm, "1,700,000 receiving licenses in force in Britain, and there are probably 5,000,000 'pirates' who are evading payment.

Eliminate License Invaders

"Our system will eliminate the evaders, and the increased demand for the new type of instrument will reduce the price of tube sets. By selling 6,000,000 copies of our weekly programs at two cents each, the broadcasting companies will secure a sufficient revenue. The state might charge twenty-five cents a year for a receiver license.

"The system involves the use of three wave lengths, but there is only one in use at a time. The official programs will inform listeners the combinations to be worked on his receiver.

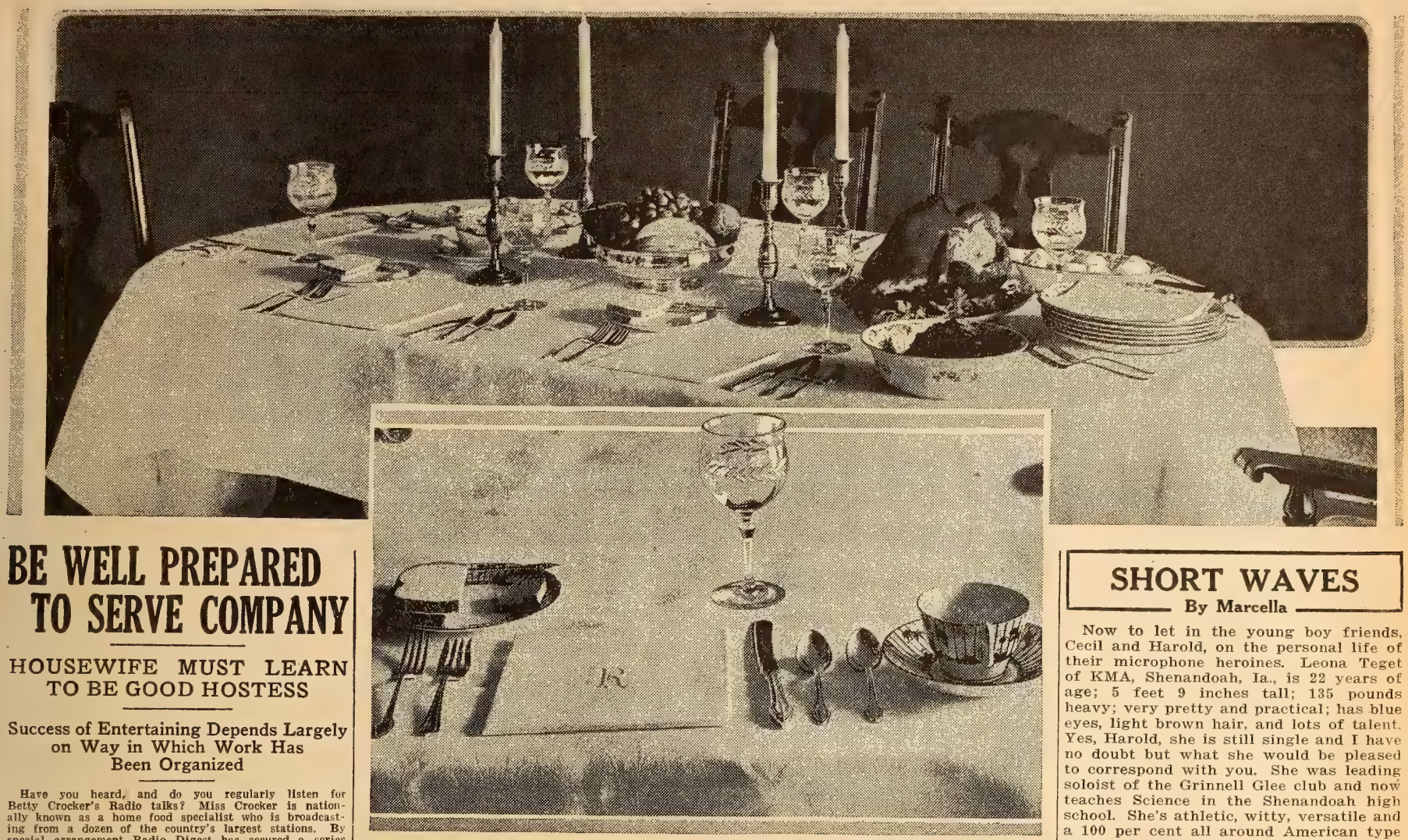
"A foreign power has offered us a seven-figure price for the invention, and the English postmaster general has offered permission to erect two stations to carry out distance and high power tests. There is one novel feature in the transmission, but really the whole invention is in the receiving set."

Name Sixteen Stations as Reliable for Calibration

WASHINGTON.—Sixteen code and broadcasting stations have been found by the bureau of standards to maintain sufficiently constant frequencies (or wave lengths) to justify their use in the calibration of Radio sets. These stations are:

WQL, frequency in kilocycles 17.13; NSS, 17.50; WCI, 17.95; WGG, 18.86; WII, 21.80; WRT, 22.60; WVA, 100; NAA, 113; WJR, 580; WEAF, 610; WCAP, 640; WRC, 640; WSB, 700; WGY, 790; WBZ, 900.

TABLE SERVICE FOR COMPANY DINNER



The table arrangements shown here were made in the home of L. A. Tripp, commercial manager of Station KFI, Los Angeles. KFI is one of the thirteen stations from the Atlantic to the Pacific coast which broadcast the Betty Crocker Home Service talks three times each week and over which Betty Crocker's famous Radio cooking schools are held. This table arrangement was made according to specifications outlined by Miss Crocker.

BE WELL PREPARED TO SERVE COMPANY

HOUSEWIFE MUST LEARN TO BE GOOD HOSTESS

Success of Entertaining Depends Largely on Way in Which Work Has Been Organized

Have you heard, and do you regularly listen for Betty Crocker's Radio talks? Miss Crocker is nationally known as a home food specialist who is broadcasting from a dozen of the country's largest stations. By special arrangement Radio Digest has secured a series of exclusive articles by Miss Crocker dealing with her current Radio talks. These broadcasts are made through WEEI, WEAF, WCAE, WGR, WEAR, WWJ, WDAF, WJAR, WHT, WFI, KSD, KFI, and WCCO, the Gold Medal station at Minneapolis-St. Paul. All of Miss Crocker's recipes and discussions are based upon actual investigations and work of herself and her assistants in model kitchens.—Editor's Note.

By Betty Crocker

IS AN unexpected guest a calamity in your home, or are you the kind of a home-maker who is equal to any such emergency? Is a company dinner a real pleasure for your family, or is it occasion that they all dread? Perhaps you really like to entertain, but have not learned how to do it easily.

Whether or not you entertain easily depends largely upon the way in which you plan and organize your work. Some women never seem to know the limit of their endurance. Because they like to give pretty parties and nice dinners, they plan elaborate refreshments and expensive decorations and then wear themselves out carrying out their plans. 'I am not thinking of parties particularly, but of entertaining in any sense of the word. It seems to me that it is the duty of every home-maker to organize her work so that she can easily entertain an unexpected guest for dinner or have a party for Johnny's birthday without making an invalid of herself or giving the family a case of nerves.

Plan in Advance

Some of you may find that you are attempting to do unnecessary things when you entertain. Cut out the unessentials, and you will find that you can have as nice a tea or dinner or party and with much less trouble. My way of planning in advance for the dinner or party may not be your way at all, but I always find that it is easier to make my plans on paper. I like to go over all the details very carefully ahead of time, so that I know just exactly what I am going to do, and when, and how I am going to do it. The refreshments are planned and the grocery order made out some time in advance. All of the staples, such as sugar, butter, eggs, and Gold Medal flour should be purchased in advance, leaving the more perishable things to come on the day you expect to use them.

In the ordinary household, it is necessary to plan the refreshments according to the equipment. For instance, for the evening party, it may not be possible to serve a certain dessert if you do not have enough of the right kind of dishes. It may be necessary to change your plans for dinner when you consider that you do not have several sets of forks. Such little things make a great deal of difference in the ease with which any party

(Continued on page 12)

By Betty Crocker

SHOULD the bread and butter plate be placed at the right or the left of the plate?

If salad is served with the dinner course, where should it be placed?

How can I serve dinner to ten guests without being away from the table most of the time?

These and similar questions often puzzle the hostess who wants to have the correct service and yet does not have a maid to assist her. Perhaps a few rules to which you can refer occasionally will help the next time you forget whether the salad fork should go outside or inside the dinner fork.

Correct Arrangement of Silver

In laying the table, the silver should be placed one inch from the edge of the table and at right angles to it. The knife should go at the right of the plate with the cutting edge turned toward the plate. All spoons to be used are placed at the right of the knife with the bowls up. Forks are placed at the left. It is easy to know how to place the silver if you remember that it is always arranged in the order in which it is to be used from the outside in; that is, the first piece of silver to be used will be the farthest from the plate.

In case you are serving a meal in which knives are unnecessary, the forks may be placed at the right of the plate instead of the left. The water glass is placed at the right near the tip of the knife and the bread and butter plate at the left at the tip of the fork. The bread and butter spreader is placed across the bread and butter plate parallel to the edge of the table and with the handle turned toward the dinner plate.

Even Napkin Has Its Place

The napkin is placed at the left with the loose edges parallel to the forks and the edge of the table.

Salts and peppers may be placed in front of each guest or between two covers if they are to serve for two guests.

For serving the company dinner, the service should be simple if there is no older daughter or maid to help. A cocktail may be placed on the table before the guests enter the dining room. After the cocktail dishes are removed, soup may be served at the table by the hostess if you have a soup toureen, otherwise, it should be served from the kitchen. The service may be simplified by omitting either the soup or the cocktail, as that will mean serving one course instead of the two.

Holiday Feast Setting

For Thanksgiving or any holiday feast, it seems more fitting to have the meat, whatever it may be, carved at the table. In addition to carving the meat, the host also serves all vegetables to be served on the dinner plate. Perhaps the eldest daughter sitting near can assist him. When meat is carved at the table, the carving knife and fork should be placed directly in front of the host, that is about ten inches from the edge of the table. The carving knife should be placed at the right and the fork at the left with space between them for the platter. All other necessary serving silver should be placed at his right. If you would keep peace in the family, be sure that the carving knife is sharp.

The warm dinner plates should be placed immediately in front of the host, then the platter placed in the space left for it and all vegetable dishes arranged at his right, as is most convenient.

Placement of Accessory Dishes

Accessories such as celery, olives, and jelly, may be arranged conveniently on the table in such a way as to help make the table a really pretty picture. When it is time to serve these foods, ask the guest nearest each to serve himself and pass it on around. Do not forget the necessary spoon or fork to go with each of these foods.

If the salad is served with the meat course, it should be placed at the left of each cover. Vegetables served in small dishes are also placed at the left. It is easy to remember that all service dishes are placed at the left with the exception of the beverage, which is placed at the right.

After one course of a dinner has been served, all foods and serving dishes should be removed first, then the dishes from in front of each guest. The table should be cleared of all soiled dishes and of all food dishes used in one course before the next course is served.

It pays to plan the service of your meal according to the china and silver on hand. If the service is carefully planned, it will not be necessary for the hostess to leave the table more than two or three times during the dinner.

A loud speaker extension in the kitchen is an excellent aid for the woman Radio listener.

SHORT WAVES

By Marcella

Now to let in the young boy friends, Cecil and Harold, on the personal life of their microphone heroines. Leona Teget of KMA, Shenandoah, Ia., is 22 years of age; 5 feet 9 inches tall; 135 pounds heavy; very pretty and practical; has blue eyes, light brown hair, and lots of talent. Yes, Harold, she is still single and I have no doubt but what she would be pleased to correspond with you. She was leading soloist of the Grinnell Glee club and now teaches Science in the Shenandoah high school. She's athletic, witty, versatile and a 100 per cent all around American type of girl.

And Cecil, who inquires about Orhmah Carmean of the same station, will be pleased to learn that she, too, is single, very pretty and full of fun, has coal black hair, rosy cheeks and fair blue eyes, weighs 118 pounds, stands 5 feet 5 inches high, and has lived just 20 years. Don't trifle, however, as she is very sincere and has no make-believe in her. Yes, she does considerable announcing, and she also is associate program director. She attended Tarkio college, Tarkio, Mo.

* *

"H.G.L.," another young man—not a sheik, he notes—admires Ruth Etting of WLS, Chicago, and would know more of her. You should read his praise, "sweetest voice on the air," etc. His hopes are to be dashed in the main, however, for she is married. Anyhow, she is pretty, blonde, has blue eyes, weighs 112 pounds, and was born about a quarter century back at David City, Nebraska.

* *

Leo Fitzpatrick, the "Merry Old Chief" of WJR, is the target of C.E.H. Was Leo always an entertainer? No, except through the news columns. He entertained in that fashion by writing feature stories for the Kansas City Star. When Radio came along he just took hold of WDAF and made it famous. Last year WJR wanted him bad and acquired him. Speaking of his entertaining abilities, he did travel Chautauqua for one summer, but that was after he made WDAF famous, and as a result of the latter achievement.

* *

No, Ethel, this is not Gene Rouse announcing, but I do smoke occasionally. I know Gene, however, and he'll bear me up that I am not him. Where is Gene? I don't know. He did go down to KFJF for an engagement, but I believe it was only for a visit and not a permanent affair. I'll have to hunt him up for you. Yes, "Tot" Kay, WSB's "Little Colonel" entertains me very much.

* *

Speaking of nice, married announcers, D. R. P. Coats of CKY, Winnipeg, is one. Daddy's pride, Baby John Coats, got near the mike while a program was going on and let loose with a series of yells. Papa Coats was able to handle the situation. He stepped to the microphone and announced, "The solo you have just heard was contributed by John Coats." It happens that Winnipeg had a noted tenor, a John Coats, singing there that very day. Many applause cards were drawn by the impromptu solo.

* *

An unsigned note from Terra Haute, Ind., requests information as to the where-

(Continued on page 12)

SHORT WAVES

By Marcella

(Continued from page 11)

abouts of three ex-Nighthawks: Don Johnson, Lee Mansfield and Willard Robison. Dean Fitzer, WDAF's Nighthawk chief, tells me that Don Johnson was an operator and did no turn before the mike. Leo Fitzpatrick used to refer to him with the instructions. "Crank the little flivver, Don, and let's go home." Don is directing a new station at Miami, Fla., which is waiting for its license. Lee Mansfield has not played for a Nighthawk frolic for about a year. The crack blind pianist is playing here, there and everywhere. My good informant tells me he last heard him playing for a St. Louis cabaret. Willard Robison, before he became the prima donna he now is, did a great deal of Nighthawking. The chief feels quite proud of the record that followed for Don, now well known for his compositions, "Deep Elm," "Peaceful Valley," "Rythm Rag," and many others, is an exclusive Victor artist and a unit of the great Paul Whiteman orchestra.

* *

Harry Snodgrass, "The King of the Ivories," with J. M. Witten, his partner and ex-WOS announcer, are on the air again. They have added Earl Holbeck, soloist, to their act, and although the advance schedule is not announced, Marcella knows that they appeared not long ago at WREO, Lansing, Mich., and more recently, Feb. 23 to 27, broadcast from KDKA, E. Pittsburgh.

* *

What deep secret would you like to know about your favorite broadcast star? Drop me a note, girls and boys, and I'll do by best to answer here. MARCELLA.

HOOVER IS RADIO FAN

(Continued from page 4)

atives of the listeners, the Radio dealers, manufacturers and others.

Some months prior to the conference, through his staff, Mr. Hoover lets the public know that the conference is to be called. He then sends out invitations to those who have attended former conferences and others whom he may have learned about. They are asked to let him know if they intend to be at the conference and from the many names he receives he makes tentative committee selections to be added to when the conference actually convenes.

In addition to these tentative committee selections, a program is mapped out so that when the conference actually convenes it will have some basis on which to work. The conference is opened by the secretary in which he generally outlines what has happened since the last conference and tells what he hopes the conference will take up and accomplish.

After a few formal speeches from the floor, the committees are formally appointed by the conference and they get to work on their various programs and when they have reached a conclusion they report back to the full conference which either adopts or rejects them.

While Mr. Hoover has both his critics and his friends it has been generally conceded that these conferences have been one of the most helpful influences in Radio development in this country. Mr. Hoover's official position puts him at the center of all activities where he has the difficult job of trying to please everybody. This is humanly impossible and that there has been no serious friction or reflection on his work seems to speak well for the confidence felt in him by the majority of broadcasters, Radio goods manufacturers and the fans themselves.

LADIES LOVE KOA CHAT

(Continued from page 5)

be able, after one of these discourses, to conduct a raw steak from the butcher's block through the intricacies of the culinary department of his household to the place of honor in the center of the family table.

Naturally, Mrs. Hoover goes into the chemistry of cooking as well as the psychology of the arrangement of dishes and the balancing of menus. One thing that may interest the dull-minded husband in particular is her consideration for the household budget.

Women "a mile high" or wherever they may be are invariably interested in clothes. They may not all have the smart shopping streets and boulevards of the big cities but that does not diminish their interest in the ravishing gowns and hats and other things, frilly and not so frilly, to be seen in the windows. When Mrs. McPeak on the Pike road, twenty miles from Denver, wants to go window shopping she tunes in 322.4 meters for Salle Dee. It's no use trying to imitate Miss Salle's talk. She just does it in her inimitable style as one smart, talkative woman to another. She knows the unspoken questions in Mrs. McPeak's mind and answers them before they could possibly be asked under any circumstance. They all love Salle Dee. She brings them the pretty things almost as vividly as though they were looking through the Denver Dry Goods plate glass windows with their own eyes. She not only tells them the modes of the moment but she gives a fair forecast of what is to come!

Freeman H. Talbot, the KOA studio director, although a mere man, sees in these triweekly matinees for women the fulfillment of a dream. He was sold long ago on the idea that in certain respects women are women over and over again. Out of this conclusion he evolved the afternoon programs that have brought him many thousands of letters from gratified women listeners.

PREPARE FOR COMPANY

(Continued from page 11)

may be managed. By planning ahead of time, you can avoid many last-minute flurries and inconveniences.

Be Well Prepared

Naturally, what is easy for one may be hard, or even impossible for another. One of my friends bakes fancy Gold Medal flour rolls at the last minute for dinner. She has made them so often that it is not at all difficult for her to shape them and see that they rise and bake just right, even in the midst of the many other dinner preparations. Perhaps your specialty is baking powder biscuits or sweet bread or a special pudding, or salad. In any case, it is well to have a few special recipes and a number of stock menus. Serve a special dinner occasionally to your family until you have mastered it. Then you will always have a dinner that you can fall back on and be sure that it will be a success when you have a guest. Don't fuss around about everything but take pride in showing your husband and family how easily you can entertain.

One of my favorite emergency recipes is the cheese and bacon sandwich. This is a hot sandwich quickly prepared and substantial as well as delicious. With it I usually serve coffee or hot chocolate, some kind of pickles or relish, and a dessert. Another menu easily prepared in an emergency is creamed tuna fish on toast, with buttered peas or a salad, a fruit dessert and a hot beverage. The number of courses served should be determined by the amount of preparation and serving that you must do yourself. Many women plan a dinner of many courses without recognizing the fact that the serving will keep them away from the table most of the time and that means a table without a hostess.

Meat Loaf Is Convenient

A good meat loaf is delicious and most convenient for a company dinner because it can be put into the oven to bake before the rush of last minute preparations.

Here is the recipe for a very good meat loaf which has been tested in our kitchen: 2 cups bread crumbs, 2 tbsp. Gold Medal flour, 2½ tsp. salt, ¾ tsp. pepper, 1 small onion chopped fine, ¼ tsp. paprika, ¼ tsp. mustard, ⅛ tsp. sage, 1½ cups milk, 1 egg, ½ lb. ground beef, ½ lb. ground veal, ½ lb. ground pork.

Method: Mix bread crumbs, flour and seasoning together. Combine with the meat. Combine milk with the beaten egg. Add gradually to the meat mixture. Mold into a loaf. Strips of bacon may be placed over the top. Bake two hours in a moderate oven, 375° F. This will make eight servings. An attractive platter may be arranged by placing carrots or beets at the ends of the meat loaf or a border of spiced red apples may surround the loaf.

Cheese and Bacon Sandwich

Here is the recipe for cheese and bacon sandwich: 3 eggs, ¾ lb. cheese, 1½ tsp. table sauce, ¾ tsp. salt, ½ tsp. paprika, few grains cayenne pepper, ¾ lb. bacon, 8 slices bread.

Method: Beat the eggs until light. Add the cheese grated or put through a food chopper. Add other ingredients and mix well. Spread on eight slices of bread cut one-third inch thick. Cut bacon in very thin slices, the length of the bread. Make bacon still thinner by pressing with a broad knife. Cover cheese mixture with bacon and bake eight or ten minutes under a gas flame or in a very hot oven.

WOMEN'S PROGRAMS INDEX

Saturday, March 20

Eastern 9:30 a. m. — Central 8:30 a. m. — Mountain 7:30 a. m. — Pacific 6:30 a. m.

WWJ (352.7m-850kc) Tonight's dinner.
11 — 10 — 9 — 8
WEAR (389.4m-770kc) Home service talk.
WHT (399.8m-750kc) Women's club, Jean Sargent.
12 n. — 11 — 10 — 9
WGN (302.8m-990kc) Household hints.
WQJ (447.5m-670kc) Home Economics program; "Story About Famous Pictures," Margey Currey.
12:30 p. m. — 11:30 — 10:30 — 9:30
WGN (302.8m-990kc) Discussion of fashions.
12:35 — 11:35 — 10:35 — 9:35
KYW (535.4m-560kc) Table talk.
1 — 12 n. — 11 — 10
KGW (491.5m-610kc) Household helps, shopping guide.
KMA (252m-1190kc) Domestic science topics.
4 — 3 p. m. — 2 p. m. — 1 p. m.
KJR (384.4m-780kc) Tonight's dinner.

Monday, March 22

Eastern 9:30 a. m. — Central 8:30 a. m. — Mountain 7:30 a. m. — Pacific 6:30 a. m.

WWJ (352.7m-850kc) Tonight's dinner.
10 — 9 — 8 — 7
WJZ (454.3m-660kc) Women's hour.
WRC (468.5m-640kc) Women's hour.
10:45 — 9:45 — 8:45 — 7:45
WEAF (491.5m-610kc), WFI (491.5m-610kc) Home service talk, Betty Crocker.
WTAG (268m-1120kc) Talk, Marjorie Woodman, nurse.
10:50 — 9:50 — 8:50 — 7:50
WMC (499.7m-600kc) Home economics discussion, Miss Kitty.
11 — 10 — 9 — 8
WEAR (389.4m-770kc) Home service talk.
WHT (399.8m-750kc) Women's club, Jean Sargent.
WNYC (526m-570kc) Women's program.
WTIC (475.9m-630kc) "Worker's Education," Tillie Lindsey.
11:15 — 10:15 — 9:15 — 8:15
WTIC (475.9m-630kc) "Every Homemaker's Spring Job," Olea Sands.
11:30 — 10:45 — 9:30 — 8:30
KFAB (370.7m-880kc) Fun at 4-H Club Camps.
WTIC (475.9m-630kc) Housewife's forum.
11:45 — 10:45 — 9:45 — 8:45
WCCO (416.4m-720kc) "The Gold Medal Radio Question Box," Betty Crocker.
WDAF (365.6m-820kc), WHT (399.8m-750kc) Home service talk, Betty Crocker.
12 — 11 — 10 — 9
WGN (302.8m-990kc) Household hints.
WQJ (447.5m-670kc) Home Economics program. "Tree Ferns," Maude Jacobs.
12:15 p. m. — 11:15 — 10:15 — 9:15
KYW (535.4m-560kc) Meat talk.
12:30 — 11:30 — 10:30 — 9:30
WEBH (370.2m-810kc) Fashion and household talks.
12:35 — 11:35 — 10:35 — 9:35
KYW (535.4m-560kc) Table talk.
2:30 — 1:30 p. m. — 12:30 p. m. — 11:30
KFNF (263m-1140kc) Mothers' hour.
3 — 2 — 1 — 12 n.
WCCO (416.4m-720kc) Women's hour.
WSOE (246m-1220kc) Cooking chats.
4 — 3 — 2 — 1 p. m.
WJP (508.2m-590kc) Market hints for housewives.
WOC (483.6m-620kc) Home management schedule, Aunt Jane.
WQJ (447.5m-670kc) "Using Up the Sunday Left-overs," Helen Downing. "The Care of the Skin and Hair," Madame Huntingford. "Questions and Answers About Permanent Waving," W. Bivans.
5 — 4 — 3 — 2
KJR (384.4m-780kc) Home helps.
7:30 — 6:30 — 5:30 — 4:30
WKAR (285.5m-1000kc) "How Proteins Preserve Efficiency," Martha Hunter.
7:45 — 6:45 p. m. — 5:45 p. m. — 5:45 p. m.
WKAR (285.5m-1000kc) "Selecting the Accessories of a Costume," Ethel Webb.

Tuesday, March 23

Eastern 9:30 a. m. — Central 8:30 a. m. — Mountain 7:30 a. m. — Pacific 6:30 a. m.

WWJ (352.7m-850kc) Tonight's dinner.
10 — 9 — 8 — 7
KDKA (309.1m-970kc) Domestic Science. Arts for the Housewife.
WIP (508.2m-590kc) Menu, Anna Scott.
WJZ (454.3m-660kc) Women's hour.
WRC (468.5m-640kc) Women's hour.
10:45 — 9:45 — 8:45 — 7:45
WTAG (268m-1120kc) Talks to Mothers, Rosebelle Jacobus.
11 — 10 — 9 — 8
WEAR (389.4m-770kc) Home service talk.
WHT (399.8m-750kc) Women's club, Jean Sargent.
WMCA (340.7m-880kc) Home makers' hour.
11:30 — 10:30 — 9:30 — 8:30
WOI (270m-1110kc) "Clothes for Childreq," "Prevention of Colds," Dr. Jean Jongewaard.
12 n. — 11 — 10 — 9
WGN (302.8m-990kc) Household hints.
WQJ (447.5m-670kc) "An Artistic Hat," Lillian Russell. "What Habits Have to Do With Crooked Teeth," Dr. T. Grisamore.
12:15 p. m. — 11:15 — 10:15 — 9:15
WQJ (447.5m-670kc) "Healthy Hits and Pep Exercises," J. J. Toedt.
12:30 — 11:30 — 10:30 — 9:30
WEBH (370.2m-810kc) Fashion and household talks.
1 — 12 n. — 11 — 10
KPO (428.3m-700kc) Domestic science talk.
2 — 1 p. m. — 12 n. — 11
WGY (379.5m-790kc) Talks.
3:15 — 2:15 — 1:15 p. m. — 12:15 p. m.
WHO (526m-570kc) Recipes, household hints.
4 — 3 — 2 — 1
WIP (508.2m-590kc) Menu talk.
WOC (483.6m-620kc) Home management schedule.
WQJ (447.5m-670kc) "Salads—A Spring Tonic," Helen Downing. "Coffee—From Pod to Coffee Pot," Adam Schilling. "Playthings for the Playhouse," Hesta Carrier.
4:30 — 3:30 — 2:30 — 1:30
WLIT (394.5m-760kc) Household helps and hints.
5 — 4 — 3 — 2
KJR (384.4m-780kc) Home helps.
5:30 — 4:30 — 3:30 — 2:30
KOA (322.4m-930kc) Housewives matinee.
6 — 5 — 4 — 3
KOA (322.4m-930kc) Culinary hints, Clara Hoover.
6:15 — 5:15 — 4:15 — 3:15
KOA (322.4m-930kc) Fashion review, Sally Dee.
6:30 — 5:30 — 4:30 — 3:30
CNRV (291.1m-1080kc) Women's talks.
7 — 6 — 5 — 4
KFOA (454.3m-660kc) Today's recipe.
8 — 7 — 6 — 5
WPG (299.8m-1000kc) Fashion Flashes.
8:30 — 7:30 — 6:30 — 5:30
KGO (361.2m-830kc) As a Woman Thinketh.

Wednesday, March 24

Eastern 9:30 a. m. — Central 8:30 a. m. — Mountain 7:30 a. m. — Pacific 6:30 a. m.

WWJ (352.7m-850kc) Tonight's dinner.
10 — 9 — 8 — 7
WIP (508.2m-590kc) Menu.
WJZ (454.3m-660kc) Women's hour.
WRC (468.5m-640kc) Women's hour.
10:45 — 9:45 — 8:45 — 7:45
WEAF (491.5m-610kc) Home service talk, Betty Crocker.
WFI (394.5m-760kc) Gold Medal Service talk, Betty Crocker.
WTAG (268m-1120kc) Talk to Housewives, Mrs. Lydia Flanders.
11 — 10 — 9 — 8
WHT (399.8m-750kc) Women's club, Jean Sargent.
WNYC (526m-570kc) Women's program.
11:30 a. m. — 10:30 a. m. — 9:30 a. m. — 8:30 a. m.
KFAB (340.7m-880kc) "Home Economics Training."
11:45 — 10:45 — 9:45 — 8:45
WCCO (416.4m-720kc) "Don't Guess—Measure," Betty Crocker.
WDAF (365.6m-820kc) WHT (399.8m-750kc) Home service talk, Betty Crocker.
12 n. — 11 — 10 — 9
WGN (302.8m-990kc) Household hints.
WQJ (447.5m-670kc) Home Economics program. Home Economics. "Dentistry," Dr. Frank Cooney.
12:30 p. m. — 11:30 — 10:30 — 9:30
WEBH (370.2m-810kc) Fashion and household talks.
WGN (302.8m-990kc) Discussion of fashions.
12:35 — 11:35 — 10:35 — 9:35
KYW (535.4m-560kc) Table talk.
1 — 12 n. — 11 — 10
KPO (428.3m-700kc) Sewing talk.
3 — 2 p. m. — 1 p. m. — 12 n.
WCCO (416.4m-720kc) Woman's hour.
4 — 3 — 2 — 1 p. m.
WLW (422.3m-710kc) Cooking school.
WOC (483.6m-620kc) Home management schedule, Aunt Jane.
WQJ (447.5m-670kc) "Toast It," Jean Rich.
5 — 4 — 3 — 2
WMAQ (447.5m-670kc) Recipes.
7 — 6 — 5 — 4
KFOA (454.3m-660kc) Today's recipes.
KLX (508.2m-590kc) Woman's hour.
KMA (252m-1190kc) Domestic science talk.
7:15 — 6:15 — 5:15 — 4:15
WKAR (285.5m-1050kc) "Good Varieties for the Home Garden," G. Starr. "Growing Tomatoes," J. Lind.
8:15 — 7:15 — 6:15 — 5:15
KDKA (309.1m-970kc) "Fuel Economy in the Home," R. Heilman.
8:30 — 7:30 — 6:30 — 5:30
WEAO (293.9m-1020kc) "Flowers: Spring Blooming Perennials," A. Hottes.
10:30 — 9:30 — 8:30 — 7:30
KOAC (280.2m-1070kc) "Short Cuts in Sewing," Lila O'Neale.
10:45 — 9:45 — 8:45 — 7:45
KOAC (280.2m-1070kc) "The Magic House—The Manager's Job," Jessamine Williams.

Thursday, March 25

Eastern 9:30 a. m. — Central 8:30 a. m. — Mountain 7:30 a. m. — Pacific 6:30 a. m.

WWJ (352.7m-850kc) Tonight's dinner.
10 — 9 — 8 — 7
WIP (508.2m-590kc) Menu talk.
WJZ (454.3m-660kc) Women's hour.
WRC (468.5m-640kc) Women's hour.
10:45 — 9:45 — 8:45 — 7:45
WTAG (268m-1120kc) Talk, Marjorie Woodman, nurse.
10:50 — 9:50 — 8:50 — 7:50
WMC (499.7m-600kc) Home economics discussion, Miss Kitty.
11 — 10 — 9 — 8
WEAF (491.5m-610kc) Talks, cookery lecture.
WEAR (389.4m-770kc) Home service talk.
WHT (399.8m-750kc) Women's club, Jean Sargent.
11:30 — 10:30 — 9:30 — 8:30
WOI (270m-1110kc) "Making Housekeeping Easier," Ruth Lindquist. "Timely Foods," Margaret Haggart.
12 n. — 11 — 10 — 9
WGN (302.8m-990kc) Household hints.
WQJ (447.5m-670kc) "Ham for the Easter Dinner," Erna Bertrams. "New Easter Togs for Men," Walter Meek.
12:30 p. m. — 11:30 — 10:30 — 9:30
WEBH (370.2m-810kc) Household and fashion talks.
12:35 — 11:35 — 10:35 — 9:35
KYW (535.4m-560kc) Table talks.
4 p. m. — 3 p. m. — 2 p. m. — 1 p. m.
WOC (483.6m-620kc) Home management schedule, Aunt Jane.
WQJ (447.5m-670kc) "An April Fool's Party," Helen Downing. "Metal Furniture," P. Graff.
5 — 4 — 3 — 2
KFOA (454.3m-660kc) Home helps.
KSD (545.1m-550kc) Women's hour.
5:30 — 4:30 — 3:30 — 2:30
KOA (322.4m-930kc) Housewives' matinee.
WCCO (416.4m-720kc) Women's club program.
6:15 — 5:15 — 4:15 — 3:15
KOA (322.4m-930kc) Culinary hints, Clara Hoover. Fashion review, Sally Dee.
7 — 6 — 5 — 4
KFOA (454.3m-660kc) Today's recipe.
8 — 7 — 6 — 5
KFKU (275m-1090kc) "The Child Research Movement," Dr. Florence Sherbon.
8:15 — 7:15 — 6:15 — 5:15
KSAC (340.7m-880kc) "Women at Work," Margaret Justin.

Friday, March 26

Eastern 9:30 a. m. — Central 8:30 a. m. — Mountain 7:30 a. m. — Pacific 6:30 a. m.

WWJ (352.7m-850kc) Tonight's dinner.
10 — 9 — 8 — 7
KDKA (309.1m-970kc) Domestic science and Arts for the Housewife.
WJZ (454.3m-640kc) Women's hour.
WRC (468.5m-640kc) Women's hour.
10:45 — 9:45 — 8:45 — 7:45
WTAG (268m-1120kc) Food hints, Mildred Thomas.
11 — 10 — 9 — 8
WHT (399.8m-750kc) Women's hour, Jean Sargent.
WTIC (475.9m-630kc) Talk.
11:30 — 10:30 — 9:30 — 8:30
KFAB (340.7m-880kc) "Home Demonstration Clubs."
WTIC (475.9m-630kc) Housewives' forum.
11:45 — 10:45 — 9:45 — 8:45
WCCO (416.4m-720kc) Graduation of the Gold Medal Cooking School, Betty Crocker.
WDAF (365.6m-820kc), WEAR (389.4m-770kc) Betty Crocker's Home service talk.
12 n. — 11 — 10 — 9
WGN (302.8m-990kc) Household hints.
WQJ (447.5m-670kc) Sunday Dinner Menu, Ted Wilmes.
12:15 p. m. — 11:15 — 10:15 — 9:15
KYW (535.4m-560kc) Meat talk.
12:30 — 11:30 — 10:30 — 9:30
WEBH (370.2m-810kc) Household and fashion talks.
WGN (302.8m-990kc) Discussion of fashions.
12:35 — 11:35 — 10:35 — 9:35
KYW (535.4m-560kc) Table talk.
1:45 — 12:45 p. m. — 11:45 — 10:45
WOAW (526m-570kc) Sunshine Sunday dinner menu.
3 — 2 — 1 p. m. — 12 n.
WCCO (416.4m-720kc) Women's hour.
3:15 — 2:15 — 1:15 — 12:15 p. m.
WHO (526m-570kc) Recipes, household hints.
4 — 3 — 2 — 1
WOC (483.6m-620kc) Home Management, Aunt Jane.
WQJ (447.5m-670kc) "Learn to Make Hot Cross Buns," Helen Downing. "Electric Appliances for the Home," Catherine Spengler.
4:30 — 3:30 — 2:30 — 1:30
WFAA (475.9m-630kc) Homemakers program.
WMAQ (447.5m-670kc) Foibles of the Moment.
5 — 4 — 3 — 2
KJR (384.4m-780kc) Home helps.
KYW (535.4m-560kc) Woman's hour.
5:15 — 4:15 — 3:15 — 2:15
WMAQ (477.5m-670kc)
5:30 — 4:30 — 3:30 — 2:30
KOA (322.4m-930kc) Housewives matinee.
6 — 5 — 4 — 3
KOA (322.4m-930kc) Culinary hints.
6:15 — 5:15 — 4:15 — 3:15
KOA (322.4m-930kc) Fashion review.

ADVANCE PROGRAMS FOR THE WEEK

Midnight at WOC, Davenport and "A Step On the Stairs." Left to right: Mary Williams, Henry Graves, (Mrs. C. H. Walsh in charge of "props"), Lawyer Frederick Ardwyn, Aunt Helen, Cousin William, Station FYX announcer and the revolver.

Here are also closeups of the two leading women characters. In the left corner is Marigold Cass as Mary Williams and in the right corner Lola M. Straw as Aunt Helen. Fans will be surprised to find Aunt Helen so attractive.

Schedule for
"a Step On the Stairs"
Broadcast as a Play
EPISODE FOUR

THE SETTING

THE scene of our drama continues in the high-beamed hunt-room, the room that has been the scene of strange and mysterious crimes, of the Turner manse. Most of the guests, however, have gone into the library where Aunt Helen is serving coffee and sandwiches to all but Mary Williams, who has remained in the hunt-room, ostensibly because of fatigue, but in reality to wait for the return of the owner of a pair of wet shoes which had been left beside her chair. Mary persuades Ardwyn to remain with her. The candle goes out, and almost immediately in the darkness comes a cold draft of air. A moment later Mary cries out in anguish, Ardwyn does not respond, a body falls to the floor, there is a choked curse, a slamming door, and the others rush in, lights in hand, to find Ardwyn with a nasty gash in his forehead and blood all over his face, while Mary Williams lies upon the floor in a faint, with a white scarf in her hand—a scarf that had been buried with Peleg Turner.

THE CAST

Frederick Ardwyn.....Peleg Turner's lawyer
Aunt Helen Holmes.....A relative
Henry Graves.....A mysterious man Mary had known formerly
Hari Singh.....Indian servant of Peleg Turner
Mary Williams.....A youthful guest
Maurice Tolliver.....A youth and relative
Hazel Stanton.....A young lady
John Carton.....Nephew of Peleg Turner
Cousin William.....A relative

WHERE AND WHEN TO DIAL

WOC, Davenport, Palmer School of Chiropractic. Fourth episode at 10:30 p. m., Central time, on Friday, March 19. Fifth episode same time March 26. Dial 483.6 meters or 620 kilocycles.

WOAW, Omaha, Woodmen of the World. Fourth episode at 8 p. m., Central time, on Saturday, March 20. Dial 526 meters or 570 kilocycles.

KGO, Oakland, Calif., General Electric company. Fourth episode at 9:45 p. m., Pacific time, on Saturday, March 20. Dial 361.2 meters or 830 kilocycles.

KOA, Denver, General Electric company. Fourth episode at 9:40 p. m., Mountain time, on Monday, March 22. Dial 322.4 meters or 930 kilocycles.

WCCO, Minneapolis-St. Paul, Gold Medal station. Fourth episode at 10:05 p. m., Central time, on Tuesday, March 23. Dial 416.4 meters or 720 kilocycles.

WGY, Schenectady, General Electric company. Fourth episode at 8:15 p. m., Eastern time, on Friday, March 19. Fifth episode same time March 26. Dial 379.5 meters or 790 kilocycles.

WMAQ, Chicago, Chicago Daily News. Fourth episode at 9 p. m., Central time, on Wednesday, March 17. Fifth episode same time March 24. Dial 447.5 meters or 670 kilocycles.

WNAC, Boston, Shepard Stores. Fourth episode at 7 p. m., Eastern time, on Thursday, March 18. Fifth episode at same time March 25. Dial 280.2 meters or 1070 kilocycles.

WEAN, Providence, R. I., Shepard Stores. Play broadcast by direct wire from WNAC, Boston, on same schedule as WNAC therefore. Dial 270.1 meters or 1110 kilocycles.

WHO, Des Moines, Bankers Life Insurance company. Fourth episode at 2:30 p. m., Central time, on Monday, March 22. Dial 526 meters or 570 kilocycles.

WRC, Washington, Radio Corporation of America. Third episode at 8:15 p. m., Eastern time, on Friday, March 19. Fifth episode same time March 26. Dial 468.5 meters or 640 kilocycles.

WLW, Cincinnati, Crosley Radio corporation. Fourth episode at 8:30 p. m., Central time, on Saturday, March 20. Dial 422.3 meters or 710 kilocycles.

WOR, Newark, N. J., L. Bamberger & Co. Fourth episode at 10:30 p. m., Eastern time, on Saturday, March 20. Dial 405.2 meters or 740 kilocycles.

WSB, Atlanta, the Atlanta Journal. Dial 428.3 meters or 700 kilocycles. Schedule to be announced over air.

KGW, Portland, Ore., the Portland Oregonian. Dial 491.5 meters or 610 kilocycles. Schedule to be announced over air.

KTHS, Hot Springs National Park, Ark., the New Arlington hotel. Dial 374.8 meters or 800 kilocycles. Schedule to be announced over air.

WBAP, Fort Worth, Texas, the Star-Telegram. Dial 475.9 meters or 630 kilocycles. Beginning in April. Schedule to be announced.

Saturday, March 20

Headliners Today

Eastern	Central	Mountain	Pacific
7:30 p. m.	6:30 p. m.	5:30 p. m.	4:30 p. m.

WSM (282.8m-1060kc) Barn dance.

8:10	7:10	6:10	5:10

WEEI (348.6m-860kc), Boston symphony.

8:25	7:25	6:25	5:25

WJZ (454.3m-660kc), WGY (379.5m-790kc), WRC (468.5m-640kc) Philharmonic students' symphony series.

9	8	7	6

WHAS (399.8m-750kc) Oratorio, "Stabat Mater," choir.
WOAW (526m-570kc) "A Step On the Stairs."
WRR (245.8m-1220kc) Spirituals.

9:30	8:30	7:30	6:30

WLW (422.3m-710kc) "A Step On the Stairs."

10	9	8	7

KTHS (374.8m-800kc) Old-fashioned favorites.

10:30	9:30	8:30	7:30

WBAP (475.9m-630kc) Hired Hands little symphony.

11	10	9	8

KHJ (405.2m-740kc) San Diego Army and Navy academy band.
KPO (428.3m-700kc) Musical travelogue.
KPRC (296.9m-1010kc) The Phantoms.

11:45	10:45	9:45	8:45

WSB (428.3m-700kc) Hired Help Skylark.

12	11	10	9

KFI (467m-640kc) Hollywood string quartet.
KFNF (263m-1140kc) Old-time fiddling.

4:30 a. m.	3:30 a. m.	2:30 a. m.	1:30 a. m.

KFWI (225.4m-1330kc) Pajama party.

Saturday, silent night for: CFAC, CFCA, CNRA, CNRC, CNRE, CNRM, CNRR, CNRT, CNRV, CNRW, KFDM, KFKX, KFMX, KFRU, KFUO, KFXF, KLX, KMA, KOAC, KOB, KQP, KSAC, KSO, KTAB, KUOA, KWSC, WABQ, WBAL, WCAL, WCX, WDOD, WEAO, WEBJ, WEBW, WEMC, WGBF, WGCP, WGHP, WGR, WGST, WHAD, WHAZ, WHN, WHO, WIP, WJAR, WJAZ, WKAQ, WKAR, WLIT, WLWL, WMAZ, WOAI, WOS, WRVA, WTAG, WTIC, WWJ.

Eastern Time Stations

CHIC, Toronto, Can. (356.9m-840kc), 10:30 p. m., dance program, Al Linton's orchestra.
CKAC, Montreal, Can. (410.7m-730kc), 7:15 p. m., Windsor hotel concert orchestra; 8:30, studio program; 10:30, Windsor hotel dance orchestra.
CKCL, Toronto, Can. (357m-840kc), 6:45-7:45 p. m., Lowe Brothers' symphonic orchestra.
CKNC, Toronto, Can. (356.9m-840kc), 4 p. m., instrumental quintet; Elsie White, soprano; 8, Charles E. Bodley and his dance orchestra; Madeline Bell, soprano; Edgar Smith, bass.
CNRO, Ottawa, Can. (434.5m-690kc), 8 p. m., Chateau Laurier concert orchestra; 9, Markowski trio; Lucien Labelle, cellist; Chateau Laurier dance orchestra.
KDKA, Pittsburgh, Pa. (309.1m-970kc), 6:30 p. m., Westinghouse band; 8:30, Westinghouse employees' band.
WBBR, New York, N. Y. (272.6m-1100kc), 8 p. m., Carl Park, violinist; 8:20, Fred Twaroschk, tenor.
WBZ, Springfield, Mass. (333.1m-900kc), 6:45 p. m., Hotel Lenox ensemble; 7:30, Winifred Beaver, pianist; Hotel Kimball studio; 7:45, Repertory theater orchestra; 8:15, musical program, Hotel Brunswick studio; 9:15, Old First church orchestra; Hotel Kimball studio.
WCAE, Pittsburgh, Pa. (461.3m-650kc), 1 p. m., Floridan's orchestra; 6:30, dinner concert, William Penn hotel; 7:30, Sunshine Girl; 8:15, Youngstown artists.
WCX, Detroit, Mich. (516.9m-580kc), 6 p. m., dinner program, Goldkette ensemble.
WEAF, New York, N. Y. (491.5m-610kc), 7:45-8 a. m., morning prayer services; 5-6 p. m., Vincent Lopez and orchestra; 6-7, Hotel Waldorf-Astoria; 8:30, Shakesperian hour, "Macbeth"; 9:30, WEAF musical comedy troupe; 10, Vlaeo Kolitsch, violinist; 10:10, Ross Gorman and orchestra; 11-12, Vincent Lopez and orchestra.
WEAR, Cleveland, Ohio (389.4m-770kc), 7 p. m., Hotel Statler orchestra; 12 p. m., Wormack's singing syncopators, Far East restaurant.
WEEI, Boston, Mass. (348.6m-860kc), 7:10 p. m., D. and I. Slade company program; 8:10, Boston symphony orchestra.
WFI, Philadelphia, Pa. (394.5m-760kc), 1 p. m., Tea Room ensemble; 3, concert, National Blind Camp Fire Girls of Overbrook; 6:30, Bellevue Stratford hotel concert orchestra; 7, Bellevue Stratford dance orchestra; 8:15, piano recital; 11, Bellevue Stratford dance orchestra.
WGBS, New York, N. Y. (315.6m-950kc), 1:35 p. m., Alois Van Meyer, tenor; 1:40, Katherine Connolly, soprano; 1:50, Sidney Torson, bass-baritone; 2, Gelert orchestra; 3, Bud Fischer's Happy players; 6:30, Vincent Storey trio; 8:40, Crete Carton, musical comedy star; 9, Kips Bay Boys' club minstrels; 10:30, Arrowhead Inn orchestra.
WGCP, New York, N. Y. (252m-1190kc), 3 p. m., orchestra; 3:30, studio program; 4, orchestra; 8:30, Strickland's orchestra; 9, Ukulele Bob McDonald; 9:20, June Lee, singing vagabond; 9:40, Totman and Gallant, guitar duets; 10, Yama Yama Boys; 10:30, Strickland's orchestra; 11-1 a. m., Ibsen night.
WGHB, Clearwater, Fla. (266m-1130kc), 6:30-7:30 p. m., dinner music; 7:30-7:45, Giles W. Quarles, "The Monkey Man"; 8:30-9:30, Caroline Lee, "The Virginia Girl" and her Spanish guitar; Marion Hoffman, pianist; 11:45-1 a. m., WGHB.
WGR, Buffalo, N. Y. (319m-940kc), 2:30 p. m., WGR's afternoon program.
WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., Onondaga hotel concert; WFBL; 8:25, WJZ; 10:30, Hotel Van Curler orchestra.
WHAR, Atlantic City, N. J. (275m-1090kc), 2 p. m., Seaside hotel ensemble; 8, Seaside hotel trio.
WIP, Philadelphia, Pa. (508.2m-590kc), 1 p. m., organ recital; 3, the Filipino orchestra; 6:05, Benjamin Franklin hotel concert orchestra; 8:30, debate, Lebanon Valley and Ursinus college; 10:05, El Patio dance orchestra; 11:05, organ recital, Germantown theater.
WJAR, Providence, R. I. (305.9m-980kc), 1:05 p. m., Zike's Bon Ton orchestra.
WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Jean Goldkette's Petite symphony orchestra; soloists; 9, Jean Goldkette's serenaders; soloists; 10, Jean Goldkette's Victor Recording orchestra; 11:30, "The Merry Old Chief" and his "Jewett Radio Jesters."
WJZ, New York, N. Y. (454.3m-660kc), 11 a. m., Philharmonic children's concert; 1 p. m., Knickerbocker grill orchestra; 4:30, Hotel Lorraine grill orchestra; 7, U. S. Navy program; 8, happenings in Congress; 8:25, Philharmonic society student concert, WRC, WGY.
WLIT, Philadelphia, Pa. (394.5m-760kc), 12:02 p. m., Stanley theater organ recital; 2, Rose Tree cafe orchestra; 4:30, Bobby Lee and his Original Cotton Pickers; 7:30, Benjamin Franklin hotel concert orchestra.
WMAK, Buffalo, N. Y. (266m-1130kc), 6:15-7:15 p. m., dinner music; 7:45-8:30, musical program; 8:30-9, musical program, Wolff's Furniture House, Inc.; 9-10:30, musical program; 10:30-11, musical program, Maltop, Inc.
WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Olcott Vail and his Hotel McAlpin string ensemble; 6:30, Parody orchestra; 7, Jack Denny's orchestra; 10:30, Norman Pearce, readings; 11, Ernie Golden and his Hotel McAlpin orchestra; 12, McAlpin entertainers.
WNYC, New York, N. Y. (526m-570kc), 7 p. m., song recital; 7:35 p. m., Herman Newman, pianist; 8, Metropolitan Museum of Art concert, directed by David Mannes; 10, popular songs; 10:10, Harriette Weems, dramatic readings.
WOO, Philadelphia, Pa. (508.2m-590kc), 11 a. m., organ recital; 12:02 p. m., Golden's crystal tea room orchestra; 4:45, organ recital; 7:30, Adelphia hotel dinner dance orchestra.
WOR, Newark, N. J. (405.2m-740kc), 2:30 p. m., Lucy Bernard, pianist; 2:45, June and Annette Lee; 3, Lucy Bernard; 3:30, Zit's Central Park Casino tea music; 6:30, Jacques Jacobs' Hotel Shelton ensemble; 7:30, Van's Collegians; 9:15, La Forge-Berumen Saturday evening musicale; 10:30, "A Step On the Stairs," fourth installment mystery play, direction Bruce Conning; 11, Katinka orchestra.
WPG, Atlantic City, N. J. (299.8m-1000kc), 6:45 p. m., Arthur Scott Brook, organist; 7, Hotel Traymore dinner music; 9, Hotel Ambassador concert orchestra; 10, Nick Nichols' dance orchestra; 11, Elks' home.
WRC, Washington, D. C. (468.5m-640kc), 12 noon, Homer L. Kitt studios' organ recital; 1 p. m., Hamilton orchestra; 7, U. S. Navy band, WJZ; 8:30, Philharmonic orchestra, WJZ; 10:30, Meyer Davis' Swanee syncopators.

RUSSIAN STRING QUINTET AT KNX

High Lights of the Week

UNPRONOUNCEABLE titles to musical selections or tongue twisting composers' names mean nothing to the Hired Hand or his little symphony. Every Saturday night this famous organization struggles with these jaw breakers. Orchestra selections hitherto taboo because announcers feared to announce them are being successfully brought to light at WBAP.

Claudia Muzio, whose golden tones have enchanted opera audiences all over the United States, will sing for millions of listeners Sunday evening when she is heard over the WEAF chain. The western headliner of the evening is the Russian string quintet at KNX.

A continuity program proclaiming spring to the Radio world is the Monday feature at WOS, Davenport. Famous spring songs of great composers will be reviewed. "Memories of Jennie Lind and Clara Schumann" is the title of the program to be given this same evening by Anna Barbash, soprano at WPG, Atlantic City.

Artur Argiewicz, a master of the violin who began his musical education under the eyes of Brahms, will broadcast Tuesday from KGO, Oakland. Argiewicz studied with Joachim, Ysaye and Kreisler, traveling with the latter over Europe, taking lessons between concerts.

Wednesday evening, March 24, KOA will offer another novelty program. Part one, scheduled for 8:15 o'clock, will be a mock trial, to be conducted by prominent attorneys who represent the leading luncheon clubs of Denver. As the feature of part two, Hickville will stage an old-fashioned box-supper and auction party. Si Perkins, who runs the post office and general merchandise store, is expected to contribute much to the success of the gathering. Farmers for miles around will be in attendance, it is reported.

On the equator is the interesting city of Singapore where orientals and occidentals meet. Bishop Titus Lowe recently returned from this strange tropical city will talk Thursday at WIP, Philadelphia.

The Victor hours of music over the WJZ chain have attracted the attention of fans since the famous Radio scoop of the broadcasting of Marion Talley's Radio debut. This Friday two favorites of the Metropolitan Opera company will give the program, Madame Maria Jeritza, soprano, and Emilio de Gogorza, baritone.

Saturday, March 20

WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., Speed-Wagon serenaders; Gold Standard ensemble; 10-12, dance program, WREO, Speed-Wagon serenaders.

WTAG, Worcester, Mass. (268m-1120kc), 12:05-2 p. m., WTAG orchestra; 3-5, tea dansant music, WTAG orchestra.

WTAM, Cleveland, Ohio (389.4m-770kc), 12:15-1:30 p. m., Austin Wylie's Vocalion recording orchestra; 6-7, Guy Lombardo and his Royal Canadians; 8-9, Carl Rupp and his Hotel Hollenden orchestra; 9-12, Joes and his gang.

WTIC, Hartford, Conn. (475.9m-630kc), 6:30 p. m., "Skinny and his gang"; 6:50, Hotel Bond trio; 8:30, Martha Blake, pianist; 10:30, Emil Heimberger's Hotel Bond orchestra.

WWJ, Detroit, Mich. (352.7m-850kc), 12:05 p. m., Jules Klein's hotel Statler orchestra; 3, Detroit News orchestra; 6, dinner concert; 8, "C. T. S. and his performing Elks"; 9:30, WEAF; 10:30, dance program.

Central Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., dinner concert; 8:30-10:30, variety program; 12-2 a. m., orchestra entertainment.

KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., Scotch concert; 11, old time fiddling.

KFVE, University City, Mo. (240m-1250kc), 9:15 p. m., Lincoln entertainers, studio organists, Solon Neeley, harmonica duo.

KLDS, Independence, Mo. (440.9m-680kc), 8 p. m., studio program.

KMA, Shenandoah, Iowa (252m-1190kc), 9-11 p. m., pipe organ recital, William Howie.

KMOX, St. Louis, Mo. (280.2m-1070kc), 12:30 p. m., organ recital, Arthur Utt; 3, string ensemble, soloists; 6, organ recital, Arthur Utt; 6:30, Mrs. Jaques Lundree, organist; 7, orchestra; Mrs. James Burgin, violinist; 8, mixed program; James Haley, old-time fiddler; 9, orchestra, "Colonel 6121", Fred Nordman, songsters; 10, orchestra.

KPRC, Houston, Texas (296.9m-1010kc), 12 noon, Sylvan Beach entertainers, Cecil Sisson; 7:30 p. m., Universal Bible class; 8, Frank Tilton, pianist; 10, The Phantoms, "ghost of the air"; 11, dance music.

KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., New Grand Central theater orchestra.

KTHS, Hot Springs National Park, Ill. (374.8m-800kc), 9-9:45 p. m., Eastman hotel orchestra; 9:45-9:50, the Phantom voice; 9:50-10:30, Arkansas Traveler male quartet; 10:30-11:15, New Arlington hotel orchestra.

KYW, Chicago, Ill. (535.4m-560kc), 1 p. m., Commonwealth Edison company concert; 1-2, Joska DeBabary and his orchestra, Congress hotel; Coon-Sanders orchestra; 4, frolic, KYW; 6-7, dinner music, KDKA; 8:30-11:30, Congress classic, KYW; 1 a. m., Congress carnival, KYW; 1-2 a. m., "Insomnia club"; Sanders original Nighthawks, Congress hotel.

WAMD, Minneapolis, Minn. (243.8m-1230kc), 6:15 p. m., George Osborn and his orchestra; 7:10, popular musical program; Harmony twins, Fred Roble, Bob Melcher, orchestra; 11:30, organ recital, Clifford Perry.

WBAP, Fort Worth, Tex. (475.9m-630kc), 12:05-12:30 p. m., musical program; 6-6:30, Chief Gonzales' Texas hotel orchestra; 7:30-8:30, musical numbers, Mrs. W. D. Smith; 9:30-11, Hired Hands' little symphony.

WBBM, Chicago, Ill. (226m-1330kc), 4-6 p. m., Harry and Sandy; Court Banks; Johnny Black; Bussell Meyers; Jack Pennewell and Freddy Palmiter; 8-9:30, Jack Crawford's Alemite orchestra; Barber Shop Three; 9:30-11, Sandy and Harry; Moulin Rouge orchestra; William E. Anderson, steel guitarist; Sy Berg; Fred Jacobson, 11-2 a. m., Sunset quartet; Two Jays; Charlie Garland; Spencer, Lavergne and Shayne, xylophonists; Barber Shop Three; Jack Crawford's Alemite orchestra, Claire Matthews; Floyd Falch; Ariston trio.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 12:30 p. m., Emmet Long's Golden Pheasant orchestra; 6:15, Dick Long's Nankin cafe orchestra; 8:15, musical program; 10:05, Dick Long's Nankin cafe orchestra.

WDAF, Kansas City, Kan. (365.6m-820kc), 3:30-4:30 p. m., Star's string orchestra; 6-7, organ music, Pantages theater; Trianon ensemble; 11:45, Nighthawk frolic.

WEBH, Chicago, Ill. (370.2m-810kc), 3-4 p. m., special features; 7, Oriole orchestra; 8, Dorothy Herman Blum, soprano; 9, Oriole orchestra; 9:15, James Murray, tenor; Oriole marimba band; 11, Oriole orchestra, 12, James Murray, tenor; 1 a. m., Pat Ward, songs; 2, Frank Greif, songs.

WFAA, Dallas, Tex. (475.9m-630kc), 3:30-4 p. m., Rasmond Roy Harrison, pianist and singer; 4:30-5, Noel Shaw, pianist; Fred Priest, singer; 6:30-7:30, Baker hotel orchestra; 8:30-9:30, Woodmen of World program; 11-12, Jack Gardner's orchestra.

WGES, Oak Park, Ill. (250m-1200kc), 5-7 p. m., baritone, basso, pipe organ; 8-9, orchestra, organ, contralto, 11-1 a. m., organ, comedian, tenor, features.

WGN, Chicago, Ill. (302.8m-990kc), 12:30-2:30 p. m., Drake concert ensemble, Blackstone string quintet; 2:30-3, Lyon and Healy artists; 3:30-4:15, tea time music, Marshall Field's tea room orchestra; 4:30-5, organ recital, Edward Benedict; 6:30-7, dinner concert, Drake concert ensemble, Blackstone string quintet, old-time favorites; 8-9, studio program; 9-10, popular program, Freda Leonard, Jewel Barnette, Correll and Gosden; 10:10-10:20, old-time favorites; 10:20-10:40, the playshop.

WHAS, Louisville, Ky. (399.8m-750kc), 3:30-4 p. m., Louisville Music and Radio company; 4-5, Harmonica band; 7:30-9, Barney Rapp's orchestra; "Stabat Mater," choir.

WHT, Chicago, Ill. (399.8m-750kc), 10 a. m., Jean Sargent's program; juvenile program and studio features; 11, Mike Rizzo, boy violinist; 12, organ recital, Al Carney; 6 p. m., classical program; Al Carney, organist; Grayling's string trio; W. A. Dyckman, basso; Leola Aikman, soprano; Hugh Aspinwall, tenor; (238m-1260kc), 7:45-9:15, musical features, Cinderella cafe orchestra; (399.8m-750kc), 9:30, Kitchen Klenzer; 9:50, symphony; 10:30, Cinderella cafe orchestra; 12, "Your Hour League," Pat Barnes and Al Carney.

WIBO, Chicago, Ill. (225.4m-1330kc), 2-4 p. m., program for shut-ins; Ted Fiorito, pianist; Dan Russo, violinist; Marie Tully, songs; readings, Wayne Myers; Lenore Friedman, soprano; Pearl Holtzman, pianist; Walter Barnitz, tenor; Ed Sander, baritone; Howard Payne, banjoist; Jarvis and Creedan, songster; 6-8, Robert Wessling, baritone; Ruth Ford, contralto; Mrs. Fay, soprano; Ruth Buhl Flick, reader; Frances Scheib, soprano; S. Leonard, baritone; WIBO string trio.

WJJD, Mooseheart, Ill. (370.2m-810kc), 12-1 p. m., Palmer House symphonic players; Palmer House trio, 2-3, Howard L. Peterson, organist; 4-5, Palmer House quintet; 5:30-7, dinner hour; 8-9, Palmer House Victorians; 10-11, Palmer House Victorians; 12-1 a. m., Palmer House Victorians; Jack Nelson.

WKRC, Cincinnati, Ohio (325.9m-920kc), 10 p. m., Marion McKay and his orchestra; 11, Marie Turner, blues singer; 11:15, Marion McKay and his orchestra.

WLIB, Chicago, Ill. (302.8m-990kc), 7-7:20 p. m., Uncle Walt's Punch and Judy show; 7:20-7:30, Correll and Gosden; 7:30-8, studio program; 11-11:20, Correll and Gosden; 11:20-1 a. m., dance music; Correll and Gosden.

WLS, Chicago, Ill. (344.6m-870kc), 1 p. m., dinnerbell program; 12, national barn dance and WLS "Twin-Wheeze."

WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., popular organ concert, Johanna Grosse; 7:40, Secretary Hawkins Radio club; 8, Johanna Grosse; 8:15, Pectrum concert; 9, old fiddler; Andy Hidee; 9:30, Don Bestors Recording orchestra .

WMAQ, Chicago, Ill. (447.5m-670kc), 12 noon, harmonica lesson, H. A. Langdon; 5:15 p. m., Topsy Turvy time; 6, Chicago theater, organ; 6:30, Hotel La Salle orchestra; 8, Daw and Pratt; 9, Balaban and Katz's Chicago theater Radio revue.

WMBB, Chicago, Ill. (250m-1200kc), 7-8 p. m., Trianon duo; Edith Stonehouse, soprano; Edwin House, baritone; Rosalind Wallach, violinist; Preston Graves, pianist; 9-11, Trianon orchestra; Woodlawn theater orchestra; McFarvin and Beiber; Joe Miller, tenor; Clinton Keithley; Bob Bennett, celeste specialties.

WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Memphis plectrum orchestra.

WOAW, Omaha, Neb. (526m-570kc), 5:30 p. m., Manna Kea trio; 6, Kalico Kids; 8, "Step On the Stairs"; 10:30, Frank Hodek and his Nightingale orchestra; 11, Arthur Hays, organist.

WOC, Davenport, Iowa (483.6m-620kc), 5:45-6 p. m., chimes concert; 9-10:30, Mrs. V. E. Edwards, soprano; Harry Yeazelle Mercer, tenor; Erwin Swindell, pianist; 11-12, Le Claire hotel orchestra.

WOK, Chicago, Ill. (217.3m-1300kc), 4:30-7 p. m., Capitol theater organ; Howard Will, tenor; 10-1 a. m., Tearney's Town club orchestra; Carl Lorraine's Pershing Palace orchestra; Husk O'Hare's Cocoanut Grove orchestra; Capitol theater program; studio program.

WORD, Batavia, Ill. (275m-1090kc), 7 p. m., Webster hotel orchestra; 9-10, musical program.

WQJ, Chicago, Ill. (447.5m-670kc), 3-4 p. m., Koffee Klatsch: Jerry Sullivan, percolator; Rose Vanderbosch, soprano, pianist; Hal Lansing and his uke; 7-8, Jack Chapman and his concert orchestra; John Zwick, concert pianist; Alice Guernsey, violinist; Shepherd Levine, tenor; 10-3 a. m., Jack Chapman and his Rainbo Skylarks; Jerry Sullivan; Rose Vanderbosch, soprano and pianist; Hal Lansing and his uke; Everett George Opie, character reader; Clarence Theders, tenor; Joe Warner, character songs; Oxfords, harmony singers; Rita McFawn and Mary Bieber, harmony duo; West Brothers, Hawaiian guitar duettists; Gail Bandell; Melodians; artists.

WRR, Dallas, Tex. (245.8m-1220kc), 12-1 p. m., musical program: Dr. Fred Freeland, pianist; Helen Culpepper, blues singer; John Thorwald, baritone; J. Elliott Frank, Radio poet laureate; 6-7, Jack Gardner's orchestra; 8-9, original spirituals, David Guion; 12-1 a. m., organ, George Perfect.

WSAI, Cincinnati, Ohio (325.9m-920kc), 7:50 p. m., WSAI Radio chime concert, Robert Badgley; 8:15, Bicycle Playing Card sextet; 12, Freda Sanker's orchestra.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., Atwater Kent; 10:45, Hired Help Skylark.

WSM, Nashville, Tenn. (282.8m-1060kc), 6:30 p. m., Francis Craig's orchestra; 8, barn dance program and other features.

WSOE, Milwaukee, Wis. (245.8m-1220kc), 3 p. m., musical program, Fourth Annual Home show; 8, Fourth Annual Milwaukee Home show frolic.

Mountain Time Stations

KFAU, Boise, Idaho (280.2m-1070kc), 8 p. m., musical program.

KFWA, Ogden, Utah (261m-1150kc), 4-5 p. m., organ recital, Paramount theater; 5-6, Ogden Radio dealers program; 9-10:30, music, Paramount theater; 10:30-12, Olie Reeves and his orchestra.

KFXF, Colorado Springs, Colo. (250m-1200kc), 8:30 p. m., dance music, Rosemary Gardens.

KOA, Denver Colo. (322.4m-930kc), 12:15 p. m., Rialto theater organ recital, Marjorie Nash; 9, dance program, Harmony Peerless orchestra; 10:30, Scheuerman's Colorado orchestra.

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-640kc), 5:30-6 p. m., Harmony duo; 6, nightly doings; 6:30, vest pocket program; 6:45, Radiotorial period; 7-8, Al Wesson's dance orchestra; 8-9, Robert Hurd, tenor; 9-10, Hollywood string quartet; 10-11, Packard Radio club; 11-3 a. m., KFI midnight frolic.

KFOA, Seattle, Wash. (454.3m-660kc), 7-8:15 p. m., musical program; 8:30-9:30, all-artist program; 9:30-11, Jackie Souder's Club Lido serenaders.

KFON, Long Beach, Calif. (232.4m-1280kc), 6-6:30 p. m., Brayton's theater organ; 7-7:30, studio program; 7:30-9, Long Beach Municipal band; 9-11, KFON artists' frolic.

KFWB, Hollywood, Calif. (252m-1190kc), 6-7 p. m., Fitzgerald Music company dinner hour; 8-9, Lyric string trio; Eunice Wynn, ballads; Dan Gridley, Irish tenor; 9-11, program, Reeve-Gartzmann, Inc., Oakland Six dance orchestra.

KFWI, San Francisco, Calif. (225.4m-1330kc), 1:30-3:30 a. m., Pajama party, Glenn Kennedy's dance orchestra; intermission soloists; Eddie Stott and Sadie Woodside, entertainers.

KGO, Oakland, Calif. (361.2m-830kc), 8:10 p. m., "The Pink Lady"; 10-12, Girvin-Deuel's California Collegians.

KGW, Portland, Ore. (491.5m-610kc), 12:30-1:30 p. m., concert, First National bank and the Security Savings and Trust company; 6-7, concert, Olds, Wortman and Kings company; 9-12, dance music, Indian grill of Multnomah hotel.

KHJ, Los Angeles, Calif. (405.2m-740kc), 8-10 p. m., program, Motor Transit company, San Diego Army and Navy academy band; 10-11, Don Clark's Biltmore hotel dance orchestra.

KJR, Seattle, Wash. (384.4m-780kc), 8:30-10 p. m., L. C. Warner company studio program.

When the nimble fingers of Gladys Hubner, left, pluck the strings of her harp at WCCO, fans are listening to a young harpist whose concert work is attracting the attention of Minnesota musicians. Above is John G. Heyn, a popular pianist at KTHS.

KMTR, Hollywood, Calif. (238m-1260kc), 6-7 p. m., Starr Piano company studio; 8-10, KMTR concert orchestra, Edmund Foerstel, guest conductor.

KNX, Hollywood, Calif. (336.9m-890kc), 5:30 p. m., Leighton's orchestra; 6:30-7, Atwater Kent orchestra; 7:30-10, KNX feature program; 10-11, Ambassador hotel dance orchestra; 11-3 a. m., Filmland frolic.

KOWW, Walla Walla, Wash. (256.3m-1170kc), 8-12 p. m., studio program and music.

KPO, San Francisco, Calif. (428.3m-700kc), 1-2 p. m., Rudy Seiger's Fairmont hotel orchestra; 2:30-3:30, Art Brannagan and his orchestra; 3:30-5:30, Cyrus Trobbe's Palace hotel orchestra; 6:35-7:30, Waldemar Lind and the States Restaurant orchestra; 8-9, musical travelog, Deane H. Dickason; 9-12, Fairmont hotel orchestra; Maurice Gunsky, tenor; Merton Bories, pianist.

KPSN, Pasadena, Calif. (315.6m-950kc), 8-9 p. m., **KTAB, Oakland, Calif. (239.9m-1250kc),** 9-9:30 a. m., prayer service; 12-1 p. m., concert. Louise Klos trio; 9-10, dance orchestra.

Sunday, March 21

Headliners Today

Eastern	Central	Mountain	Pacific
5 p. m.	4 p. m.	3 p. m.	2 p. m.

WTIC (475.9m-630kc) Organ recital.

6:20	5:20	4:20	3:20

WCAP (468.5m-640kc) Vesper string ensemble.

7:20	6:20	5:20	4:20

WEAF (491.5m-610kc), WEEI, WCAP, WOO, WJAR, WGR, WCAE, WWJ, WOC, WCCO, WGN, WEAR, KSD, WTAG, Capitol theater gang.

8	7	6	5

WBZ (333.1m-900kc) Music school concert.

9:15	8:15	7:15	6:15

WEAF (491.5m-610kc), WEEI, WCAP, WOO, WJAR, WGR, WCAE, WSAI, WWJ, WOC, WCCO, WGN, WEAR, KSD, WTAG, Atwater Kent program.

10	9	8	7

WJZ (454.3m-660kc), WGY (379.5m-790kc) Godfrey Ludlow, violinist.

10:30	9:30	8:30	7:30

WAMD (243.8m-1230kc) Harmony Hurricane.

12	11	10	9

KFWB (252m-1190kc) Movie frolic.
KNX (336.9m-890kc) Russian string quintet.

Sunday, silent night for: CFAC, CHIC, CKNC, CNRA, CNRC, CNRE, CNRM, CNRO, CNRR, CNRT, CNRV, CNRW, KFAB, KFAU, KFKX, KFKU, KFOA, KFVE, KFWA, KFXF, KLX, KMA, KMTR, KOAC, KOB, KOWW, KSAC, KSO, KWSC, PWX, WABQ, WAHG, WCAD, WCAR, WCAU, WDAF, WDBO, WEAO, WEBJ, WEBW, WFI, WGBF, WGES, WGHB, WGHP, WGST, WHAD, WHAS, WHAZ, WIP, WJAZ, WJJD, WJR, WKAF, WKAQ, WKAR, WMAQ, WMAZ, WMC, WNYC, WOI, WRC, WRVA, WSB, WSM, WTAM.

Eastern Time Stations

CHIC, Toronto, Can. (356.9m-840kc), 5 p. m., George H. Graham, organist.

CKCL, Toronto, Can. (357m-840kc), 3-4 p. m., Hope United church; 4-4:55, service for men, Central Y. M. C. A.

KDKA, Pittsburgh, Pa. (309.1m-970kc), 11 a. m., services; 4 p. m., organ recital, Dr. Charles Heinroth; 4:45, services, Shadyside Presbyterian church; 6:30, dinner concert; 7:15, chimes, Calvary Episcopal church; 7:45, services.

WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., twilight program, WBAL concert orchestra.

WBBR, New York, N. Y. (272.6m-1100kc), 10 a. m., Watchtower instrumental trio; Fred Twaroschk, tenor;

CLAUDIA MUZIO OVER WEAF CHAIN

Sunday, March 21

I. B. S. A. choral singers; Bible lecture, Judge Rutherford; 2 p. m., Sunday concert, talk; 9, evening service.

WBZ, Springfield, Mass. (333.1m-900kc), 10:45 a. m., Church of the Unity music Philharmonic male quartet; 6 p. m., Golden Rule hour of music: Ary Dulger, violinist; Alexander Blackman violaist; George Brown, cellist; Hana Ebell, pianist and assisting soloists; 7, Copley Plaza orchestra; 8, concert, Al Newton music school; Edith Magrath, contralto; Anna MacKinnon, soprano; Marion Horner, contralto; Mary Pucciarelli, violinist; string quartet, Donald Dewire, Sigmund Romaszkiwicz; Harold McNeil; Frederick Bradshaw, accompanist Alice A. Glover and Alice Nay; 9, William Self, organist; Norman V. Moon, tenor; Florence

One of the Jays of WBBM, Chicago, is Corinne Jordan, accompanist, above. Coming events cast their shadows before them. This time the immense outline on the right is Jack Crawford, leader of the Alemite orchestra at WBBM.

Owen, contralto; Walter MacDonald, French horn soloist.

WCAE, Pittsburgh, Pa. (461.3m-650kc), 4 p. m., Dr. S. P. Cadman; 6:30, dinner concert, William Penn hotel; 7:20, WEAF; 9:15, WEAF.

WCAP, Washington, D. C. (468.5m-640kc), 11 a. m., Mount Vernon M. E. church; 4 p. m., Bethlehem chapel; 6:30-7:20, Vesper string ensemble; 7:20-9:15, WEAF; 9:15-10:15, WEAF.

WEAF, New York, N. Y. (491.5m-610kc), 2 p. m., Sunday Radio services, Greater New York Federation of Churches; 3, young people's conference, Greater New York Federation of Churches; 4, men's conference, Bedford branch, Y. M. C. A., WEEI, WTAG, WCAE, WSAI; 5:30, special musical program; 6, George Barrere's little symphony orchestra, WJAR; 7, chamber musicale, WJAR; 7:30, musical program direct from Capitol theater, WEEI, WCAP, WJAR, WTAG, WWJ, WCAE; 9:15-10:15, Atwater Kent Radio hour, WEEI, WCAP, WJAR, WGR, WCAE, WSAI, WWJ, WOC, WCCO, WGN, WEAR, KSD, WTAG, WOO.

WEEI, Boston, Mass. (348.6m-860kc), 10:50 a. m., Old South church; 3 p. m., organ recital, Louis Weir, organist; Ecker concert group; 7:20, WEAF; 9:15, WEAF.

WFI, Philadelphia, Pa. (394.5m-760kc), 4:30 p. m., services, Central Y. M. C. A.

WGBS, New York, N. Y. (315.6m-950kc), 3 p. m., Arrowhead Inn tea dance; 3:30, Crystal Palace orchestra; 9:30, special program.

WGCP, New York, N. Y. (252m-1190kc), 2:45 p. m., Rainbow orchestra; 3:15, Isabelle Henderson; 3:45, Edgar Duffy, baritone; 4, orchestra; 4:15, Leslie McLeod, tenor; 4:30, Le Moine orchestra.

WGR, Buffalo, N. Y. (319m-940kc), 10:45 a. m., Westminster Presbyterian church; 7:45 p. m., Central Presbyterian church; 9:15, WEAF.

WGY, Schenectady, N. Y. (379.5m-790kc), 11 a. m., All Souls Unitarian church; 3 p. m., musical program, WFBL; 5, organ recital, Dr. Frank Sill Rogers; Giovanni Tombini, cellist; 8, All Souls Unitarian church; 9, WJZ; 10, WJZ.

WHAR, Atlantic City, N. J. (275m-1090kc), 10:45 a. m., Chelsea Baptist church; 1:15 p. m., Seaside hotel trio; 2:45, Olivet Presbyterian church; 7:50, Chelsea Baptist church; 9, Seaside hotel quartet.

WHN, New York, N. Y. (361.2m-830kc), 11:30 a. m., Calvary morning services; 12:30 p. m., Lexington organ recital; 2, Queens County Christian Endeavor program; 3, Radio Bible class; 5, Roseland dance orchestra; 6, people's hour; 7:30, Calvary evening services; 10:15, Anatol Friedland; 10:45, Janssen's Hofbrau Haus orchestra; 11:30, Twin Oaks orchestra; 12, Harry Richman and his entertainers.

WIP, Philadelphia, Pa. (508.2m-590kc), 10:45 a. m., morning services, Holy Trinity church.

WJAR, Providence, R. I. (305.9m-980kc), 6 p. m., George Barrere's little symphony orchestra; 7, WEAF; 7:20, WEAF; 9:15, WEAF.

WJZ, New York, N. Y. (454.3m-660kc), 11 a. m., West End Presbyterian church; 2:30 p. m., Sunday Radio forum; 3:55, St. George's vesper service; 7, Hotel Pennsylvania concert orchestra; 8, Bakelite hour; 9, Hotel Commodore concert orchestra, WGY; 10, Godfrey Ludlow, violinist, WGY.

WLIT, Philadelphia, Pa. (394.5m-760kc), 2:15 p. m., Arcadia cafe concert orchestra; soloists; 7:30, Benjamin Franklin organ recital.

WLWL, New York, N. Y. (288.3m-1040kc), 8 p. m., Paulist choristers.

WMAK, Buffalo, N. Y. (266m-1130kc), 10:25 a. m., First Presbyterian church; 7:30 p. m., Churchill tabernacle.

WMCA, New York, N. Y. (340.7m-880kc), 11 a. m., services, Second Church of Christ, Scientist; 3 p. m., All Souls Unitarian church; 3:30, Donald Flamm's frolickers; 6, Roemer's Homers; 7, Ernie Golden and his Hotel McAlpin orchestra; 7:30, Olcott Vail and his Hotel McAlpin string ensemble; 8:45, Mayolians; 9:15, Parody orchestra; 10:30, Twin Oaks orchestra; 10:45, Arthur West's sirens.

WOO, Philadelphia, Pa. (508.2m-590kc), 2:15 p. m., musical exercises, Bethany Sunday school; 6, organ recital, Clarence K. Bawden; 7:30, services, Bethany Presbyterian church; 9:15, WEAF.

WPG, Atlantic City, N. J. (299.8m-1000kc), 3:15 p. m., Arthur Scott Brook, organist; Mrs. Fred Plum, soprano; 4:15, St. James Episcopal church; 9:15, Hotel Ambassador concert orchestra; 10, Arthur Scott Brook, organist; William Neilson, bass.

WREO, Lansing, Mich. (285.5m-1050kc), 10 a. m., chimes, Plymouth Congregational church; 10:30, Plymouth Congregational church; 7 p. m., Central M. E. church.

WTAG, Worcester, Mass. (268m-1120kc), 4-5:30 p. m., men's conference; 7:20-9:15, WEAF; 9:15-10:15, WEAF.

WTIC, Hartford, Conn. (475.9m-630kc), 5 p. m., Prof. Harry B. Jepson, organist; 9, Nevada Van der Veer, contralto; Sascha Jacobsen, violinist.

WWJ, Detroit, Mich. (352.7m-850kc), 10:30 a. m., Temple Beth El; 2 p. m., Detroit News orchestra; 4, organ recital; 7:20, Capitol theater family; 9:15, operatic stars.

Central Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 4-5 p. m., vesper services; 9-11, musicale.

KFKU, Lawrence, Kan. (275m-1090kc), 4 p. m., third all-musical Fine Arts vesper, Fraser hall.

KFMX, Northfield, Minn. (336.9m-890kc), 7-8 p. m., vespers.

KFNF, Shenandoah, Iowa (263m-1140kc), 10:45 a. m., First M. E. church; 2:30 p. m., Golden Rule song service; 6:30, service, Golden Rule circle; 7:30, Christian church.

KFRU, Columbia, Mo. (499.7m-600kc), 7:30 a. m., service; 9:20, Burrall Bible class; 7:30 p. m., Columbia Baptist church.

KLDS, Independence, Mo. (440.9m-680kc), 11 a. m., Stone church; 3 p. m., program, William Jewell college; James A. Yates, baritone; Kathleen Kelly, violinist; Mildred Norcroff, pianist; R. K. Burchard, reader; 6:30, Vesper service; mixed quartet; Nina Smith soprano; Lulu Lentell Tyrell, contralto; George Anway; tenor; Frank Russell, bass; 9:15, Men's chorus; Robert Miller, organist; Elizabeth Tanner Hitchcock, soprano.

KMA, Shenandoah, Iowa (252m-1190kc), 12:15-1:15 p. m., service; 4, church choir music; 5, Bible class.

KMOX, St. Louis, Mo. (280.2m-1070kc), 9 p. m., popular program, Skouras Brothers' Sunday Night club.

KPRC, Houston, Texas (296.9m-1010kc), 7:30 p. m., South Main Baptist church; 9:30, Baytown Band of Humble Oil and Refining company.

KSD, St. Louis, Mo. (545.1m-550kc), 8:15 p. m., WEAF.

KYW, Chicago, Ill. (535.4m-560kc), 11 a. m., Central church; 2:30 p. m., chapel service, Chicago church federation; 4:30, studio concert; 7, Chicago Sunday Evening club service; 9:30, classical concert, Commonwealth Edison company.

WAMD, Minneapolis, Minn. (243.8m-1230kc), 10:30 a. m., First Unitarian church; 2:45 p. m., popular musical program; 6:15, George Osborn and his orchestra; 6:45, Arthur H. Faust, Leone Faust and their Radio stock company; 9:30, Gayle Wood, harmony hurricane.

WBAP, Fort Worth, Tex. (475.9m-640kc), 11 a. m., First Presbyterian church; 5-6 p. m., Travis Avenue Baptist church; 9:30-11, Chief Gonzales' Texas hotel orchestra.

WBBM, Chicago, Ill. (226m-1330kc), 12:30-2 p. m., classical program: William P. Zimmer, tenor; Harold Morava, lyric tenor; Kantor A. Kritz; Sandy Meek and Harry Sosnik; Edna Wheeler Ballard, harpist; Little Caruso and the Moulin Rouge operatic quartet; 4-6, Tip trio; Jack Crawford's Alemite orchestra; Barber Shop Three; Ziegler Sisters; Two Jays; Harold Anderson; Charlie Garland; Rudy Wintor; Floyd Falch; 8-10, Jack Crawford's orchestra; quartet; Maurice Silverman; Pauline Stiffler Atlass, violinist; Rudy Winter; Floyd Falch; Hazel McBroom; 12-2 a. m., Nutty club.

WCAL, Northfield, Minn. (336.9m-890kc), 8:30 a. m., Norwegian church service; 9:15, evening service.

WCBD, Zion, Ill. (344.6m-870kc), 8 p. m., mixed quartet, celestial bells; Mrs. Crow, Ralph Bull; Florence Farrar, contralto; P. F. Reid, baritone; Esther Naffziger, pianist; Ruth Beem, reader.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 10:50 a. m., Plymouth Congregational church; 3 p. m., Bible study; 4:10, House of Hope Presbyterian church; 6:20, Second Church of Christ, Scientist; 8:15, WEAF.

WEBH, Chicago, Ill. (370.2m-810kc), 10:40-12 noon, Seventh Church of Christ, Scientist; 5-6 p. m., twilight musical; 7-9, selected artists' program.

WFAA, Dallas, Tex. (475.9m-630kc), 6-7 p. m., Bible class, First Presbyterian church; 7:30-8:30, First Methodist Episcopal church; 8:30-9:30, sacred music recital; Cyrus Barcus, cornetist; 11-12, Ligon Smith and his orchestra.

WGES, Oak Park, Ill. (250m-1200kc), 10:15-12 noon, services, Austin M. E. church; organ choir; 5-7:40 p. m., Moody Bible school program, pipe organ; 11-12, organ, mezzo-soprano.

WGN, Chicago, Ill. (302.8m-990kc), 11:45-1 p. m., Chicago theater organ recital; 1-2, Chicago theater performance; 2-3, Lyon and Healy organ recital, soloists; 3-4, Chicago Philharmonic orchestra; 4-5, Chicago Musical college concert; 8:15-9:15, WEAF; 9:15-10, popular program; 10-10:10, Sam 'n' Henry; 10:10-10:20, old-time favorites; 10:20-11, popular program.

WHAD, Milwaukee, Wis. (275m-1090kc), 3:15 p. m., Milwaukee Turnverein symphony orchestra.

WHAS, Louisville, Ky. (399.8m-750kc), 10 a. m., Virginia Avenue Methodist church; 4:30-5:30 p. m., choral service.

WHB, Kansas City, Mo. (365.6m-820kc), 9:40-10:45 a. m., Linwood Boulevard Christian church; 11:15-12:30, Independence Boulevard Christian church; 8-9:14 p. m., service; 11:15-1 a. m., Linwood theater Radio feature, Morrill Moore, organist; Don Anchors, "poet of the common folks."

WHO, Des Moines, Iowa (526m-570kc), 11 a. m., services, St. Ambrose cathedral; 7:30-8:15 p. m., Bankers Life trio; Myrtle Williams, soprano; Stewart Watson, baritone; 11-12, Bankers Life Little Symphonic orchestra.

WHT, Chicago, Ill. (399.8m-750kc), 12 m., Sunday dinner sacred concert, vocal and organ; 12:45, special program for shut-ins and sick; 1:15, shepherd time for the kiddies; 1:30, Aerial Girls program; 1:45, Radio Rangers; 2, fellowship program; 2:30, missionary program; 2:45, orchestra concert and afternoon services, Chicago Gospel tabernacle; 5:30, vesper concert; 6, young women's council; 6:30, concert, tabernacle band and choir; sermon, Paul Rader; 9:30, request program, 10:30, Paul Rader, back home hour.

WIBO, Chicago, Ill. (225.4m-1330kc), 2-4 p. m., Sunday afternoon concert, faculty Uptown Conservatory of Music; 6-8, dinner concert; WIBO quartet and trio; 10-12, popular program: Russell Duke; Elsie Orr, soprano; Eugene Wallenius, baritone; Marie Tully, songs; Wayne Myers, reader; Erwin Cornelius, songs with uke; William Anderson, steel guitarist; Lenore Friedman, soprano; Pearl Holtzman, pianist.

WJJD, Mooseheart, Ill. (370.2m-810kc), 7:45 a. m., Catholic services; 9:40-10:30, Protestant services; 3-4 p. m., Mooseheart Sunday concert.

WKRC, Cincinnati, Ohio (325.9m-920kc), 6:45 p. m., services, Walnut Hills Christian church, Rev. J. Castleberry; sacred music, instrumental and vocal; 10, Kodel classical program; 11:15, dance program, Marion McKay and his orchestra.

WLIB, Chicago, Ill. (302.8m-990kc), 5-6 p. m., chamber musical program.

WLS, Chicago, Ill. (344.6m-870kc), 6 p. m., prelude; 7-7:55, WLS Little Brown church in the vale; WLS studio trio; Ralph Emerson, organist.

WLW, Cincinnati, Ohio (422.3m-710kc), 9:30 a. m., school, editorial staff of Sunday school publications; 11, Seventh Presbyterian church, Jesse Halsey, minister; 3 p. m., choir, Latonia Baptist church; 7:30, services, First Presbyterian church, 8:30, a "Spring" program, H. & S. Pogue company orchestra.

WMBB, Chicago, Ill. (250m-1200kc), 3-5 p. m., Trianon orchestra; Woodlawn theater orchestra; Lucille O'Hara; Bob Duffy; Tommie Hughes, Ted Graham, popular concert; 7:40-9, Fifth Church of Christ, Scientist; 9-11, Trianon orchestra; Woodlawn theater orchestra; Scotty Welch, Madison Sisters; Billie Allen Hoff; Johnnie Miller; the Wonder Harmony boys.

WMC, Memphis, Tenn. (499.7m-600kc), 10:30 a. m., Second Presbyterian church.

WOAI, San Antonio, Tex. (394.5m-760kc), 11 a. m., First Presbyterian church; 7:30 p. m., Central Christian church; 9:30, Super-heterodyne hour of music.

WOAW, Omaha, Nebr. (526m-570kc), 9 a. m., chapel service; 1:30 p. m., matinee program; 6, Bible study period; 9, chapel service.

WOC, Davenport, Iowa (483.6m-620kc), 1-2:30 p. m., Palmer little symphony orchestra, Erwin Swindell; Paul Vipperman, tenor; 6:30-7, services; 8:15-9:15, WEAF; 10-11:30, musical program, Palmer little symphony; soloists.

WOK, Chicago, Ill. (217.3m-1300kc), 1-2 a. m., Tearney's Town club orchestra; Carl Lorraine's Pershing Palace orchestra; Husk O'Hare's Cocoanut Grove orchestra; 6-1 a. m., Tearney's Town club orchestra; Carl Lorraine's Pershing Palace orchestra; Husk O'Hare's Cocoanut Grove orchestra; Capitol theater musical; studio program.

WORD, Batavia, Ill. (275m-1090kc), 10 a. m., I. B. S. A. service; 2:30 p. m., Chicago Rapid Transit company; 3:30, Bible lecture; 6, I. B. S. A. service; 6:30, Uncle Dan; 6:45, Webster trio; 9, I. B. S. A. service; Webster trio, and I. B. S. A. choral singers.

WOS, Jefferson City, Mo. (440.9m-680kc), 9:30 a. m., Christian church; 5 p. m., vesper service; 7:30, First Christian church.

WQJ, Chicago, Ill. (447.5m-670kc), 9:30-11:30 a. m., services, Peoples church, Dr. Preston Bradley; choir; Clarence Eddy, organist; 3-4 p. m., St. Ita's senior choir, boys' choir; Mrs. William O'Grady, organist; violin duets, solos, trios, quartet selections; 8-10, Jack Chapman and his Rainbo Gardens orchestra; Henrietta Nolan, violinist; Jeannette Van Lennep, mezzo-soprano; Ascan W. Kittner, pianist and baritone; Lorena Anderson, soprano.

WRR, Dallas, Tex. (245.8m-1220kc), 10:45 a. m., First Baptist church; 7:30 p. m., First Baptist church; 9-10, Elk chanters.

WSAI, Cincinnati, Ohio (325.9m-920kc), 3-4:30 p. m., WEAF; 7:45, WSAI Radio chime concert, Robert Badgley; 8, sermonette; 8:15, WEAF.

WSB, Atlanta, Ga. (428.3m-700kc), 5 p. m., Oakhurst Presbyterian church; 8, North Avenue Presbyterian church.

WSM, Nashville, Tenn. (282.8m-1060kc), 10:30 a. m., First Presbyterian church.

WSOE, Milwaukee, Wis. (245.8m-1220kc), 7:30 p. m., services, M. E. church.

Mountain Time Stations

KFXF, Colorado Springs, Colo. (250m-1200kc), 11 a. m., First Presbyterian church; 5 p. m., "Penitence—Pardon—Peace," Maunder choir; 7:30, First Methodist church.

KOA, Denver, Colo. (322.4m-930kc), 11 a. m., First Baptist church; 3 p. m., music hour; KOA orchestra and station artists; 7:45, First Baptist church.

KUOM, Missoula, Mont. (243.8m-1230kc), 9:15 p. m., religious and classical music; sermon, Rev. G. W. Shepard.

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-640kc), 4-5 p. m., vesper service; 6:30, nightly doings; 7-7:30, program, A. H. Grebe and company, Synchrophase string ensemble; 7:30-8, Robert Hurd, tenor; Clara Belle Patten Wallace, contralto; 8-9, Dan L. McFarland, organist; 9-10, Harry Reiper's Movieland dance orchestra; 10-11, Packard Six dance orchestra.

KFON, Long Beach, Calif. (232.4m-1280kc), 2:30-4 p. m., Long Beach Municipal band; 7:45-9, service, First Church of Christ, Scientist; 9-10, Bert Pedersen's dance orchestra.

KFWB, Hollywood, Calif. (252m-1190kc), 9-11 p. m., Sunday night movie frolic, Jack Smith's dance orchestra.

KGO, Oakland, Calif. (361.2m-830kc), 11 a. m., First Presbyterian church; 3:30 p. m., KGO Little Symphony orchestra; James Gerard, tenor; 7:30, First Presbyterian church.

KHJ, Los Angeles, Calif. (405.2m-740kc), 4-5 p. m., Masonic service; 7-8, First Methodist Episcopal church; 8-10, program, Martin Music company; Ruth Pitts, soprano; John Martin, concert pianist.

p. m., program, Howard N. Martin and company,

KJR, Seattle, Wash. (384.4m-780kc), 11-12:30 p. m., First M. E. church; 5-6, Spargur string quartet; 7:15-7:30, organ recital, Mrs. Montgomery Lynch; 7:30-9, First M. E. church; 9-10:30, Puget Sound Savings and Loan association orchestra.

KNX, Hollywood, Calif. (336.9m-890kc), 12:45-1:45 Paul Finstein's concert orchestra; 2-4, City Park Board program from Westlake Park; 6:30-7, Unitarian church service; 8-9, First Presbyterian church of Hollywood; 9-10:30, program, Beverly Hills Nurseries; Russian string quartet.

KPO, San Francisco, Calif. (428.3m-700kc), 9:45-10:45 a. m., services; 5-6 p. m., Marshall W. Giselman, organist; 6-6:30, Waldemar Lind and the States Restaurant orchestra; 6:35-8:35, Palace Hotel orchestra; 8:35-10, Rudy Seiger's Fairmont hotel orchestra.

KPSN, Pasadena, Calif. (315.6m-950kc), 8:45-9:45 p. m., Maryland Artists' ensemble.

KTAB, Oakland, Calif. (239.9m-1250kc), 11-12:30 p. m., church service; 7:45-9:15, church service; 9:30-11, concert.

Monday, March 22

Headliners Today

Eastern	Central	Mountain	Pacific
4 p. m.	3 p. m.	2 p. m.	1 p. m.

WIP (394.5m-760kc) "Japan," talk.

7:30	6:30	5:30	4:30

WEAA (475.9m-630kc) The Gleeman.

8:30	7:30	6:30	5:30

WBAP (475.9m-630kc) Harmonic Professional quartet.

WBZ (333.1m-900kc) Marimbaphone concert.

WMAK (265.3m-1130kc) New Olympic theater program.

9	8	7	6

WBZ (333.1m-900kc) Composers' night.

WHAZ (379.5m-790kc) Grand concert, vocal society.

WTIC (475.9m-630kc) Marjorie Kay entertainers.

9:10	8:10	7:10	6:10

WOS (440.9m-680kc) Spring program.

10	9	8	7

KPRC (296.9m-1010kc) Kiwanis glee club.

KSD (545.1m-550kc) Double-piano artist's recital.

WEAF (491.5m-610kc), WOO, WJAR, WCAP, WTAG, WCAE, WSAI, Grand opera, "Le Nozze di Figaro."

WGST (270m-1110kc) Georgia Tech. glee club.

WJZ (454.3m-660kc) Arion male chorus.

10:30	9:30	8:30	7:30

WGR (319m-940kc) Popular two-piano program.

WTIC (475.9m-630kc) Beethoven program.

11	10	9	8

WSAI (325.9m-920kc) Community program.

Monday, silent night for: CNRA, CNRC, CNRE, CNRM, CNRO, CNRR, CNRT, CNRV, CNRW, KFAU, KFDM, KFEQ, KFMX, KFWA, KHJ, KLDS, KPSN, KUOA, KYW, WBBM, WBCN, WCAD, WCBD, WEAO, WEBH, WEBJ, WEBW, WENR, WGBS, WGES, WGN, WHAS, WHT, WIBO, WIP, WJAZ, WJJD, WKAQ, WLIB, WLS, WMAQ, WMBB, WOAI, WOC, WOK, WORD, WQJ, WRC, WREO.

Eastern Time Stations

CKNC, Toronto, Can. (356.9m-840kc), 10-12 p. m., Toronto Conservatory of Music, instrumental trio, Frank Blachford, violinist; Leo Smith, cellist; Alberto Guerrero, pianist; Verdi mixed quartet.

KDKA, Pittsburgh, Pa. (309.1m-970kc), 12:20 p. m., Trinity church Lenten service; 6:30, dinner concert; 9, Ruud light opera hour.

WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., WBAL dinner orchestra; 7:30-8, Frederick Weaver, organist; 8-9, Melvin Moritz, baritone; Paul Hogan,

MARIA JERITZA, EMILIO DE GOGORZ

POPULAR CONCERTS INDEX

Saturday, March 20

Eastern	Central	Mountain	Pacific
7:30 p. m.	6:30 p. m.	5:30 p. m.	4:30 p. m.

WFAA.

8	7	6	5

WAMD, WLS.

9	8	7	6

WBBM, WEAF, WENR, WGBS, WLS, WMAQ, WNYC.

10	9	8	7

KFAB, KPRC, WBBM, WEBH, WENR, WGN, WLS, WMBB, WREO.

11	10	9	8

KFVE, KFWB, KNX, KTHS, WBBM, WMBB, WOK, WQJ, WRC.

12 m	11	10	9

KNX, KOIL, KPO, KPRC, WBBM, WEBH, WLS, WOAW, WOK, WQJ.

1 a. m.	12 m	11	10

KFWB, WDAF, WBBM, WEBH, WENR, WOK, WQJ, WSAI.

2	1 a. m.	12 m.	11

KNX, WBBM, WEBH, WENR, WQJ.

Sunday, March 21

Eastern	Central	Mountain	Pacific
9 p. m.	8 p. m.	7 p. m.	6 p. m.

WBBM.

10	9	8	7

WBBM, WMBB.

11	10	9	8

WMBB.

12	11	10	9

KNX, KTHS.

1 a. m.	12 m	11	10

KFWB, WBBM.

2	1 a. m.	12 m.	11

KFWB.

Monday, March 22

Eastern	Central	Mountain	Pacific
7 p. m.	6 p. m.	5 p. m.	4 p. m.

WBBM, WFAA, WOAW.

8	7	6	5

WGBS.

9	8	7	6

WCAU, WEAF, WGR, WKRC, WOK.

10	9	8	7

KFAB, WEBH, WGR, WKRC, WMCA, WOAW, WOK, WSOE.

11	10	9	8

KFAB, KFVE, WOK.

12 m.	11	10	9

KLX, KNX, KOIL, WAMD, WEBH, WHO, WOK.

1 a. m.	12 m	11	10

KFWB, KLX, WAHG, WDAF, WHT, WKRC, WOK.

2 a. m.	1 a. m.	12 m.	11

KFWB.

Tuesday, March 23

Eastern	Central	Mountain	Pacific
7 p. m.	6 p. m.	5 p. m.	4 p. m.

WMCA, WOAW.

8	7	6	5

WBBM, WEAR.

9	8	7	6

WBBM, WEAR, WBZ, WSB.

10	9	8	7

WBBM, WEBH, WMBB, WOAW.

Eastern	Central	Mountain	Pacific
11 p. m.	10 p. m.	9 p. m.	8 p. m.

KFVE, KFWB, KNX, WBBM, WHT, WMBB, WOK, WQJ.

12 m.	11	10	9

KNX, KOIL, KPO, WAMD, WBBM, WEBH, WKRC, WMC, WOK, WQJ.

1 a. m.	12 m.	11	10

KFWB, KNX, WFAA, WHT, WOAW, WOK, WQJ.

2	1	12 m.	11

KFWB, WQJ.

Wednesday, March 24

Eastern	Central	Mountain	Pacific
8 p. m.	7 p. m.	6 p. m.	5 p. m.

KFNF, WAHG, WEBJ, WEEI, WMCA.

9	8	7	6

WBBM, WEBJ, WGCP, WNYC.

10	9	8	7

KFAB, KPRC, WBBM, WEBH, WGCP, WHO, WMBB.

11	10	9	8

KFAB, KFVE, KGW, KPO, KWSC, KYW, WBBM, WHN, WMBB, WOK, WQJ.

12 m.	11	10	9

KFWA, KFWB, KNX, KYW, WAMD, WEBH, WOK, WQJ, WSAI.

1 a. m.	12 m	11	10

KNX, KYW, WBBM, WHT, WOK, WQJ.

2	1 a. m.	12 m	11

KFWB, KNX, WBBM, WOK, WQJ.

Thursday, March 25

Eastern	Central	Mountain	Pacific
8 p. m.	7 p. m.	6 p. m.	5 p. m.

WCAE, WEAF, WJAR, WMC, WOC, WSAI.

9	8	7	6

WBBM, WHAD.

10	9	8	7

KMA, WBBM, WEBH, WEEI, WHAD, WHN, WMBB, WMC, WNYC, WOAW, WSOE.

11	10	9	8

KHJ, KMA, KYW, WBBM, WMBB, WOK, WQJ.

12 m	11	10	9

KHJ, KTAB, KOIL, WBBM, WDAF, WEBH, WFAA, WKRC, WOC, WOK, WQJ.

1 a. m.	12 m	11	10

KFWB, KHJ, WHT, WOK, WQJ.

2	1 a. m.	12 m	11

KNX, WQJ.

Friday, March 26

Eastern	Central	Mountain	Pacific
8 p. m.	7 p. m.	6 p. m.	5 p. m.

WGCP, WJR.

9	8	7	6

WAMD, WBBM, WGR, WLS.

10	9	8	7

WFAB, WBBM, WEBH, WMC, WDAF, WHAD, WMBB, WOAW, WSOE.

11	10	9	8

KFVE, KFWA, KHJ, KLX, KYW, WMBB, WOK, WQJ.

12 m	11	10	9

KFWB, KHJ, KNX, KOIL, WAMD, WEBH, WMC, WOK, WQJ.

1 a. m.	12 m	11	10

KFWB, KHJ, WDAF, WHT, WOK, WQJ.

2	1 a. m.	12 m	11

KNX, WQJ.

Claudia Muzio in the circle above, will sing this Sunday evening over the WEAF chain. Above is Prof. Paul Stoye, who gives a piano concert at WHO, Des Moines, Monday evenings.

Monday, March 22

violinist; 9:10-10, Louise Johnson, soprano; Beulah Weil, contralto; Miriam Savage, pianist.

WBBR, New York, N. Y. (272.6m-1100kc), 8 p. m., Syrian music, Prof. Toufic Moubaid, Elizabeth Awad.

WBZ, Springfield, Mass. (333.1m-900kc), 6:30 p. m., Hotel Lenox ensemble; 7:30, organ, Rene Dagenais, 8, Capitol theater orchestra; 8:30, marimbaphone concert, Clarence Jones; 9, composers' night, Aleppo band room; 10:03, WBZ Radio movie club.

WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert, William Penn hotel; 7:30, Sunshine Girl; 8, studio concert, Oliver high school orchestra; 9, studio concert; 10, grand opera; 11, Ralph Harrison's Midnight Sons.

WCAP, Washington, D. C. (468.5m-640kc), 6-11 p. m., WCAP; grand opera, "Nozza di Figaro," WEAF.

WCAU, Philadelphia, Pa. (277.5m-1080kc), 7:30 p. m., recital, N. Snellenburg and company; 8, the Hood Boys; 10:30, Parodians dance orchestra.

WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., dinner program, Goldkette ensemble; 8-9, program.

WEAF, New York, N. Y. (491.5m-610kc), 7:45-8 a. m., morning prayer services, Greater New York Federation of Churches; 11:05, Ruth Friedman, pianist; 11:30, Ruth Friedman, pianist; 4 p. m., Helen Forker, soprano; 4:15, Pearl Beards, pianist; 4:30, Paul Winnell, baritone; 5, Vincent Lopez and orchestra; 6, dinner music, Hotel Waldorf-Astoria; 7:20, Raymond G. Parker, tenor; 8, popular concert; 9, A. and P. Gypsies, WEEI, WCAP, WWJ, WJAR, WOO; 10, "Nozza di Figaro," WEAF Grand Opera company, WOO, WCAE, WJAR, WCAP, WTAG; 11-12, Ben Bernie and orchestra.

WEEI, Boston, Mass. (248.6m-860kc), 5 p. m., Rainbow Rambler; 6:15, Joe Rines and his Hunters' Cabin orchestra; 7:30, Black Iron Shiners; 8:15, musicale, Central Automobile Tire company; 9, WEAF; 10, Scotty Holmes and his orchestra; Imperial marimba band.

WFI, Philadelphia, Pa. (394.5m-760kc), 1 p. m., tea room ensemble; 3, Mu Phi Epsilon national honorary musical sorority; 6:30, Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra.

WGBS, New York, N. Y. (315.6m-950kc), 10:30 a. m., Bernard Kalkins, organist; 1:30 p. m., Manhattan string trio; 3:10-3:30 3:50, Mary Baker, soprano; 6:30, Little Bear Balalaika orchestra.

WGCP, New York, N. Y. (252m-1190kc), 3 p. m., Irving Fitzenberg, pianist; 3:30, Rita Redbord, soprano; 3:45, studio program; 4:15, Uncle Robert's talk; 5:10, Le Roy Motesanto, tenor; 8:30, Strickland's orchestra; 9:30, studio program; 10, Strickland's orchestra; 10:30, China Royal orchestra.

WGHB, Clearwater, Fla. (266m-1130kc), 6:30-7:30 p. m., Lakewood Terrace orchestra; 8:30-11, diversified program, Sebring; 11:30-1 a. m., Lakewood Terrace orchestra.

WGR, Buffalo, N. Y. (319m-940kc), 2:30 p. m., WGR's afternoon program; 6:30, Joe Arnbruster's orchestra; 8:30, Harriett E. Newman, pianist, and associate artist; 9, University of Buffalo musical program; 10, popular program, Gertrude Zimmerman; 10:30, two-piano program, Marion Healy and Grace Jolley; 11, Vincent Lopez's Hotel Statler dance orchestra, Harold Gieser, director, John F. Gunderman, Jr., organist.

WGY, Schenectady, N. Y. (379.5m-790kc), 2 p. m., Asia restaurant orchestra; 2:30, music; 6:30, Porter E. Potts' Hotel Van Curler orchestra; 7:45, WGY orchestra; Elizabeth Roehr Narber, soprano; Gustav A. Wickert, Jr., baritone.

WHAR, Atlantic City, N. J. (275m-1090kc), 2 p. m., Seaside hotel trio; 8, Seaside hotel ensemble; 11, Folies Bergere orchestra.

WHAZ, Troy, N. Y. (379.5m-790kc), 9 p. m., Troy Vocal society, Prof. William L. Glover.

WHN, New York, N. Y. (361.2m-830kc), 6 p. m., people's hour; 7, Twin Oaks orchestra; 7:30, Joe Ward's Swanee entertainers; 8:05, Roseland dance orchestra; 8:35, Uncle Robert's chat; 10:30, Leroy Smith's orchestra; 11, Cotton club orchestra; 11:30, Silver Slipper orchestra; 12, Avalon club orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 1 p. m., Gimbel tea room orchestra; 3, Theodore Liedemedt, violinist; James Cawlson, baritone; Otto Kruger, pianist; Flora Ripka, accompanist; 6:05, Benjamin Franklin hotel dance orchestra; 7, Uncle Wip's bedtime stories; dancing lesson, Miller conservatory of dancing.

WJAR, Providence, R. I. (305.9m-980kc), 1:05 p. m., artists' studio program; 7:45, Providence Dairy "Grade A" entertainers; 8:15, musical program; 9, WEAF; 10, WEAF.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Jean Goldkette's symphony orchestra; soloists; 11:30, "The Merry Old Chief."

WJZ, New York, N. Y. (454.3m-660kc), 12 noon, Trinity Lenten services; 1 p. m., Meyer Davis' Park lane orchestra; 4:35, Sherry's Fifth avenue trio; 7, Hotel Commodore dinner concert; 7:55, John B. Kennedy; 8, B. Fischer and company's Astor Coffee orchestra; 9, Henry Hadley and his Philharmonic orchestra; 10, Arion male chorus; 10:30, Waldorf-Astoria grill orchestra.

WLIT, Philadelphia, Pa. (394.5m-760kc), 12:20 p. m., Lenten services; 12:35, Ben Franklin hotel concert orchestra; 2, Arcadia cafe concert orchestra; 4:30, recital; 5:15, Sesqui Centennial concert; 7:30, Dream Daddy's bedtime stories; 9, Stanley theater hour; 10, Arcadia cafe dance orchestra; 10:30, vaudeville features, Fay's theater; 10:45, Benjamin Franklin hotel El Patio dance orchestra.

WLWL, New York, N. Y. (280.3m-1040kc), 9 p. m., piano; 9:45, music; 10:15, study club; 10:30, songs.

WMAK, Buffalo, N. Y. (266m-1130kc), 7:30-8:30 p. m., Murray Whiteman and his serenaders; 8:30-9, musical program, New Olympic theater; 9-10, Philco serenaders, Clifford S. Bettinger and company, Inc.; 10-11, musical program, Beaver Products company.

WMAZ, Macon, Ga. (261m-1150kc), 9-10 p. m., Georgia Sirens orchestra; 10-11, Marvin Pharr, pianist.

WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Olcott Vail and his Hotel McAlpin string ensemble; 6:30, Ernie Golden and his Hotel McAlpin orchestra; 7:30, Kurtz Karnival Kings; 10:15, McAlpin news editor; 10:30, Parody orchestra; 10:45, Van and Schenck; 11:30, Jack Denny's orchestra; 12, McAlpin entertainers.

WNYC, New York, N. Y. (526m-570kc), 6:20 p. m., piano selections; 6:30, elementary German lessons; 7, advanced German lessons; 7:35, piano recital; 8:30, vocal and instrumental concert; 9:45, instrumental novelty.

WOO, Philadelphia, Pa. (508.2m-590kc), 11 a. m., organ recital; 12:02 p. m., Golden's crystal tea room orchestra; 4:45, organ recital; 8, Pop concert; 9-11, WEAF; 11, Adelphia dance orchestra.

WOR, Newark, N. J. (405.2m-740kc), 6:30 p. m., Jacques Jacobs' Hotel Shelton ensemble; 7:15, Zit's Central Park Casino orchestra; 8:30, Al Reid's hour, direct from Branford theater; 9:30, Madeline Hulsizer, soprano; 11, Hofbrau Haus orchestra.

WPG, Atlantic City, N. J. (299.8m-1000kc), 4:45 p. m., afternoon tea music; 6:45, Arthur Scott Brook, organist; 7, Hotel Morton dinner music; 7:30, Union National bank silver sextet; 8:40, "Memories of Jennie and Clara Schumann," Anna Barbash, soprano; Alice Warren Sachse, pianist; 9, Hotel Ambassador concert orchestra; 10, Hotel Traymore grill dance orchestra; 11, Silver Slipper supper club.

WRC, Washington, D. C. (468.5m-640kc), 12:30 p. m., service, Keith's theater; 1, Shoreham hotel orchestra; 4:30, musical program.

WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., Speed-Wagon serenaders; Gold Standard ensemble; 8:15, Reo Motor car company band, vocal and instrumental solos.

WRVA, Richmond, Va. (256.3m-1170kc), 8:15 p. m., Elizabeth Reed Hill, reader; Joseph Maust, tenor; Mrs. Joseph Maust, pianist; 9:15, Samis Grotto band; 10:15, J. Harold Lawrence, blind pianist; 11:15, "Carry Me Back to Old Virginny."

WTAG, Worcester, Mass. (268m-1120kc), 12:05-2 p. m., WTAG orchestra; 6-7, dinner music; 8:30-9, Broad and Long; 9-10, Robin Hood hour of music; 10-11, WEAF.

WTAM, Cleveland, Ohio (389.4m-770kc), 12:15-1:30 p. m., Austin Wylie's vocalion recording orchestra; 6-7, Carl Rupp and his Hotel Hollenden orchestra; 8-9, Willard symphony; 9-10, concert, Carabelle Johnson, Dorothy Smith Lenz, Harold Branch, and James McMahan; 10-11, Willard symphony; 11-12, Austin Wylie's vocalion recording orchestra; 12-1 a. m., Guy Lombardo and his Royal Canadians.

WTIC, Hartford, Conn. (475.9m-630kc), 11:25 a. m., Beatrice Torgan, violinist; 12:05 p. m., Travelers' club orchestra; 9, Marjorie Kay entertainers; 9:30, Emil Heimberger's Hotel Bond orchestra; 10:30, Travelers' symphonic ensemble.

WWJ, Detroit, Mich. (352.7m-850kc), 12:05 p. m., Jules Klein's Hotel Statler orchestra; 3, Detroit News orchestra; 6, dinner concert; 8, Detroit News orchestra; 9, WEAF.

Central Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., dinner concert; 8:30-10:30, Ed Ellingson, original songbird; Harriet Cruiso, oriole of the air; Belshaw's orchestra; Cowbell Boys; Mike Kopac, pianist.

KFKU, Lawrence, Kan. (275m-1090kc), 7:15 p. m., Florence Beamer, pianist; Emilie Greenan, soprano.

KFRU, Columbia, Mo. (499.7m-600kc), 6:15 p. m., dinner program.

KMA, Shenandoah, Iowa (252m-1190kc), 6-7 p. m., music; 9-11, Farnham trio; Grady and Doc.

KMOX, St. Louis, Mo. (280.2m-1070kc), 12:30 p. m., organ recital, Arthur Utt; 3, string ensemble, soloists; 6, Arthur Utt, organist; 6:30, organ recital, Mrs. Jaques Landree; Mrs. Frank Howard, soprano; 7, orchestra; "Buster Brown"; Herbert Penning, boy saxophonist; 9, orchestra, Harmony Three; 10, A. W. Snyder, piano-accordionist.

KPRC, Houston, Texas (296.9m-1010kc), 12 a. m., Frank Tilton, pianist; 7:30 p. m., Records' Ramblers dance orchestra; 8:30, Edna Adams, "the sweetheart of the air"; Mrs. E. E. Sawyer, pianist; 9, Kiwanis Glee club.

KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., Mrs. Lillian Linton Kestner, soprano; Gilbert Borresen, tenor; 9, David Earle and Emmet Murphy, piano artists.

KSO, Clarinda, Iowa (241.8m-1240kc), 7-7:30 p. m., music; 7:30-9:30, Hay Mow Five.

KUOA, Fayetteville, Ark. (299.8m-1000kc), 8 p. m., University high school glee club.

KYW, Chicago, Ill. (535.4m-560kc), 12:05-1 p. m., concert, Commonwealth Edison company; 1-2, concert, Congress hotel; Joska De Babary and his orchestra, Coon-Sanders orchestra; 7, musical, KDKA.

WAMD, Minneapolis, Minn. (243.8m-1230kc), 5:45 p. m., WAMD Boys' A. C.; 7:01, Garrick theater symphony orchestra; 7:20, classical program; 11, Skyrocket frolic, George Osborn and his orchestra.

WBAP, Fort Worth, Tex. (475.9m-640kc), 12:05-12:30 p. m., musical program; 6-6:30, Chief Gonzales' Texas hotel orchestra; 7:30-8:30, Harmonic Professional quartet; 9:30-11, Ward's Trail Blazers, Montgomery Ward and company orchestra; 11, Majestic theater.

WBBM, Chicago, Ill. (226m-1330kc), 4-6 p. m., Harry Sosnik; Sandy Meek; Irene Beasley, Jack Pennewell and Freddy Palmiter; Court Banks; Joe McManus; Edna Wheeler Ballard, harpist; 6-7, Beulah Mowers, concert pianist; Two Jays; Charlie Garland; Barber Shop Three; Floyd Falch; Fair and Warmer, pianists; Dave Handler, violinist.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 12 noon, Donaldson's orchestra; 6:15 p. m., Biley's St. Paul hotel concert orchestra; 8, University of Minnesota program; 9, classical concert.

WCOA, Pensacola, Fla. (222m-1350kc), 7 p. m., Howland Brothers, banjo, violin and ukulele; H. I. Seaburg, baritone; Elizabeth Moreno, pianist; Harry T. Howland, harmonica soloist; Mrs. W. R. Helie, vocalist; Willie Ida Thomason, violinist; Mount Olive Jubilee singers, Negro spiritual songs; Frank A. Bonner, cornetist; Gladys A. Villar, pickin on a piano; Florida Footwarmers' dance orchestra.

WFAA, Dallas, Tex. (475.9m-630kc), 12:30-1 p. m., Paul D. Ray, railroad pianist; 1:30-2, Edmund F. Boettcher, tenor; Miss Viola Cassidy, pianist; 2:30-3, Charles Kamaka, Hawaiian composer; 3:30-4, Jimmy's Joy features; 4:30-5, Cyrus Barcus, cornetist; 6:30-7:30, The Gleemen.

WGES, Oak Park, Ill. (250m-1200kc), 5-7 p. m., basso, pianist, Coyne serenaders.

WGST, Atlanta, Ga. (270m-1110kc), 9-10 p. m., Georgia Tech. glee club.

WHAD, Milwaukee, Wis. (275m-1090kc), 6:15-7 p. m., Bill Benning's Milwaukee Athletic club orchestra; 8:30-10, Wisconsin theater revue; dance music, talent.

WHB, Kansas City, Mo. (365.6m-820kc), 7-8 p. m., Sweeney Radio orchestra.

WHO, Des Moines, Iowa (526m-570kc), 7:30-9 p. m., Simpson Conservatory of Music; 11-12, organ recital, L. Carlos Meier.

WHT, Chicago, Ill. (399.8m-750kc), 12 m., Al Carney complimentary organ recital; 6, Pat Barnes and Al Carney.

WIBO, Chicago, Ill. (225.4m-1330kc), 2-4 p. m., program for shut-ins; Ted Fiorito, pianist; Dan Russo, violinist; Marie Tully, songs; Wayne Myers, reader; Madeline Hammond, songs; Gail Bandell, songster; Clifford Barge, violinist; Claudia Allman, songster; songs, The Jordans.

WJAD, Waco, Tex. (352.7m-850kc), 8:30-10 p. m., varied program, popular numbers.

WKAF, Milwaukee, Wis. (261m-1150kc), 10-11 p. m., Dammann ladies' trio; Helen Tower, violinist.

WKRC, Cincinnati, Ohio (325.9m-920kc), 6 p. m., dinner program, Alvin Roehr and his Hotel Alms orchestra; 8, popular song hour; 9, special musical program, American Legion; 12, Kodel midnight frolic, popular music, songs; 12:30 a. m., Wesley Helvey's Troubadours.

WLS, Chicago, Ill. (344.6m-670kc), 12 a. m., WLS studio trio; 6 p. m., WLS studio trio.

WLW, Cincinnati, Ohio (422.3m-710kc), 4 p. m., children's hour, Cincinnati College of Music; 7, Hotel Gibson orchestra; 7:30, theatrical feature; 8, Cincinnati Times Star program, South Sea serenaders, Robert Alter trio, the Liberty theater Ragamuffins.

WMAQ, Chicago, Ill. (447.5m-670kc), 5 p. m., games for the home, Glenn D. Adams; 5:15, Topsy Turvy time; 6, Chicago theater organ recital; 6:30, Hotel LaSalle orchestra.

WMC, Memphis, Tenn. (499.7m-600kc), 8:45 p. m., Cortese ensemble.

WOAW, Omaha, Nebr. (526m-570kc), 6:30 p. m., Frank Peterson, tenor; Helen Higgins, pianist; 6:50, Randall's Royal Fontenelle orchestra; 9, classical program.

WOC, Davenport, Iowa (483.6m-620kc), 5:45-6 p. m., chimes.

WOOD, Grand Rapids, Mich. (242m-1240kc), 9-10 p. m., classical concert; violin, piano, cello and cornet soloists; Margaret Murray, contralto; Hobart Bosworth, baritone; Herman Johnson and his Elks band; 10-11, Mills-Wetzel presentation; Magic Carpet series, "The Quest For Contentment"; WOOD ensemble; 11-1 a. m., Wild and Wooly Wood Workers' club; Merle Compton and his orchestra.

WOS, Jefferson City, Mo. (440.9m-680kc), 8:10 p. m., pupils, Mrs. Margaret Roberts Greene; Camilla B. Singleton, pianist; Alma Gray Hill, reader.

WRR, Dallas, Tex. (245.8m-1220kc), 6-7 p. m., Jack Gardner's orchestra; 8-9, Magnolia Petroleum company orchestra; 11-12, Pantages theater.

WSAI, Cincinnati, Ohio (325.9m-920kc), 10 p. m., community program.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., Baltimore hotel orchestra; 10:45, Atlanta Chamber of Commerce.

WSM, Nashville, Tenn. (282.8m-1060kc), 7:15 p. m., Francis Craig's orchestra; 8, Mrs. T. E. Miles, contralto; Mrs. William Dunn, soprano; George Nevins, tenor; 10, Rotary club, Vito Pellettieri and his orchestra.

WSOE, Milwaukee, Wis. (245.8m-1220kc), 9 p. m., Candygram frolic, Frank Kuhl's Original Edgewater Beach orchestra.

WSUI, Iowa City, Iowa (483.6m-620kc), 12:30 p. m., Esther Swisher, pianist; 8:30, music.

Mountain Time Stations

KFWA, Ogden, Utah (260.7m-1150kc), 4-5 p. m., organ recital, Paramount theater; 5-6, Ogden Radio dealers program; 9-10, studio program; 10-11, "Merry Mad Music Makers."

KFXF, Colorado Springs, Colo. (250m-1200kc), 8:30 p. m., Alice Atkins, Mrs. George A. Edwards, duets;

TO SING FRIDAY OVER WJZ CHAIN

WKAF, Milwaukee, claims a pianist whose playing has charmed Kings and Queens. Viola Sontag, above, is the artist whose appearances at this station have been well received by her invisible audience. In the center is Willie the Weeper, or Ernest Rogers of WSB, Atlanta.

Eastern	Central	Mountain	Pacific
9 p. m.	8 p. m.	7 p. m.	6 p. m.

KDKA (309.1m-970kc) Opera quartet, Little symphony.
WIP (508.2m-590kc) Old songs and recitations.
WSB (428.3m-700kc) Dixie string band.
10 9 8 7
WBAL (245.8m-1220kc) Melodies of Not So Long Ago.
WHB (365.6m-820kc) McPherson college male quartet.
11 10 9 8
KGO (361.2m-830kc) Artur Argiewicz.
11:05 10:05 9:05 8:05
WCCO (416.4m-720kc) "A Step On the Stairs," mystery drama.

Tuesday, silent night for: CFCA, CHIC, CKNC, CKY, CNRC, CNRE, CNRM, CNRO, CNRW, CNRT, KFKX, KFKU, KUOA, KFUO, KFWA, KYX, KOA, KOAC, KOB, KOWW, KUOM, KTAB, KWSC, WABQ, WAHG, WAMD, WBBR, WCAD, WCAL, WCAP, WEMC, WGCP, WGST, WHAD, WHAZ, WJAD, WJAZ, WKAF, WKAQ, WLWL, WMAK, WMAZ, WOI, WOS, WRVA, WSMB, WSUI, WTAM, WTIC.

Eastern Time Stations

CKAC, Montreal, Can. (410.7m-730kc), 7:15 p. m., Windsor hotel dinner concert; Raoul Duquette, cellist; 8:30, special broadcast announced; 10:30, Windsor hotel grill room orchestra.

CNRA, Moncton, Can. (291.1m-1030kc), 7 p. m., juvenile program; 8, studio program; Marion Murray, pianist; Mrs. Gordon Armstrong, soprano; Prof. Joseph Surette, violinist; R. Gander, baritone; G. H. McQuarrie, banjoist; T. Walsh, contralto; 10, CNRA orchestra.

KDKA, Pittsburgh, Pa. (309.1m-970kc), 12:20 p. m., Trinity church Lenten service; 6:30, dinner concert; 8:30, sacred song half hour; 9, Little Symphony orchestra; Pittsburgh opera quartet; Etta Cunningham, soprano; Sarah Logan, contralto; Malcolm Thompson, tenor; Harve Lauderbaugh, bass; 11:35, concert, Grand theater.

WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., WBAL dinner orchestra; 7:30-8, WBAL quartet; 8-9, musicale, Leslie Frick, mezzo-soprano; George Bolek, pianist; James Wilkinson, baritone; 9-10, band concert; United States Naval academy band; 10-11, musical scenario, "Melodies of Not So Long Ago," Broughton Tall; vocal and instrumental artists; Joseph Swikert, narrator.

WBZ, Springfield, Mass. (333.1m-900kc), 6:45 p. m., Hotel Lenox ensemble; 7:15, Hotel Kimball orchestra; 8, special features.

WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert; 8, WEAF; 8:30 p. m., WEAF; 10, Moment's musicale; 11, Kenyon theater.

WCAP, Washington, D. C. (468.5m-640kc), 7-12:30 p. m., U. S. Navy band orchestra; WEAF; dance music, Company "C," 121st Engineers, National Guard.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30, Snellenburg Choral society; 8:15, The Three Brothers; 8:25, Theater Digest; 8:35, recital; 9, Malis' Merry minstrels; 9:30, Robert Fraser, blind Gospel singer; 10, Sam Gold, murmuring baritone; 10:30, Cathay Tea Garden dance orchestra.

WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., dinner program, Goldkette ensemble; 10-2 a. m., Red Apple club.

WEAF, New York, N. Y. (491.5m-610kc), 7:45-8 a. m., morning prayer services; 11, Marie Saumell, pianist; 11:25, Marie Saumell, pianist; 11:50, Marie Saumell, pianist; 12 noon, Lenten services, Greater New York Federation of Churches; 5 p. m., Vincent Lopez and orchestra; 6, dinner music, Hotel Waldorf-Astoria; 7, Alan Harris, songs; 7:10, Columbia university French course; 7:30, American composers' program; 8, musical program; 8:30, Gold Dust Twins, WEEI, WFI, WCAE, WGR, WWJ, WOC, WJAR, WCCO, WLIB, WEAR, KSD; 9, Eveready hour, WEEI, WFI, WCAE, WGR, WWJ, WOC, KSD, WJAR, WCCO, WTAG, WGN, WEAR, WSAI; 10, moment musicale, WEEI, WFI, WWJ, WGR, KSD WCAE, WEAR, WTAG; 10:30, Vincent Lopez and orchestra, WEEI, WFI, WWJ, WGR, KSD, WCAE, WTAG, WEAR; 11-12, Ross Gorman and orchestra.

WEAO, Columbus, Ohio (293.9m-1020kc), 7 p. m., chimes; 7:30, fraternity program.

WEBJ, New York, N. Y. (272.6m-1100kc), 7 p. m., Dan Barnett's orchestra; 7:30, Robert Soffer, pianist; 7:45, Kathryn Connolly, soprano; 8:15, W. H. Melvin, tenor, Norman Hennefeld, accompanist; 8:30, Raymond dance orchestra, direction Charles Reyman.

WEEI, Boston, Mass. (248.6m-860kc), 2:30 p. m., Adele Braham, soprano; 3:05, Eugene's singing orchestra; George H. Hemus, bass; Fred Shantz, baritone; Virginia Newman, pianist.

KOA, Denver, Colo. (322.4m-930kc), 12:15 p. m., Rialto theater organ recital, Marjorie Nash; 6:30, Brown Palace string orchestra; 8:30, KOA orchestra and staff artists; 9:30, music, KOA; 9:40, "A Step on the Stairs."

KUOM, Missoula, Mont. (243.8m-1230kc), 8 p. m., music.

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-640kc), 5:30-6 p. m., Owen Fallon's Californians; 6, nightly doings; 6:15, travel guide; 6:30, vest pocket program; 6:45, Radiotorial period; 7-8, old-time New England barn dance; 8-9, Packard Eight dance orchestra; 9-10, program, Walter M. Murphy Motors company, Misha Gegna orchestra; 10-11, program, Meiklejohn Brothers.

KFOA, Seattle, Wash. (454.3m-660kc), 12:30-1:30 p. m., Lions club program; 5:15-5:30, Around the Towne, KFOA; 7-8:15, Sherman Clay and company studio program; 8:30-10, Goodrich Silvertown Cord orchestra.

KFON, Long Beach, Calif. (232.4m-1280kc), 6-6:30 p. m., Brayton's theater organ; 6:30-7, amusement information; 7-8, investor's hour, with music; 8-9, Press-Telegram studio; 9-11, KFON studio program.

KFWB, Hollywood, Calif. (252m-1190kc), 6-7 p. m., dinner music, Fitzgerald Music company; 7:30-8, program, Dr. Ralph Mitchell and associated dentists; Friendly Dentists' orchestra; 8-9, Bill Hatch's Oakmont Country club orchestra; 9-10, program, Star Motor Car company, Million-Dollar Four orchestra; Tom Breneman, baritone; Sol Hoopli's Hawaiians; 10-11, Warner Brothers' frolic.

KGO, Oakland, Calif. (361.2m-830kc), 3-4 p. m., Mildred Wright, whistler; Ellen Clarke, pianist; Mrs. J. B. Sarratt, singer; Doris Lee, pianist; 6-6:55, Wiley B. Allen company; 8, Arion trio.

KJR, Seattle, Wash. (384.4m-780kc), 8:30-10 p. m., Post-Intelligencer studio program.

KLX, Oakland, Calif. (508.2m-590kc), 6:30-7 p. m., Athens Athletic club orchestra; 8-9, program; 9-10:30, Lake Merritt Ducks.

KMTR, Hollywood, Calif. (238m-1260kc), 7:15 p. m., Y. M. C. A. musical program; 8-10, KMTR concert orchestra, Loren Powell, director; 10-11, Starr Piano company studio.

KNX, Hollywood, Calif. (336.9m-890kc), 5:30 p. m., Leighton's cafeteria orchestra; 6:30-7, Atwater Kent orchestra; 7-7:30, Mutual Motors mirth contest; 7:30-8, program, Overell's Furniture company; 8-9, program, L. W. Stockwell company; 9-10, KNX feature program; 10-11, Goodrich Silvertown Cord dance orchestra; 11-12, Ray West's Cocoanut Grove dance orchestra from Ambassador hotel.

KOWW, Walla Walla, Wash. (256.3m-1170kc), 8-10 p. m., program Walla Walla college; 10-11, Jensen's Varsity Vagabonds.

KPO, San Francisco, Calif. (428.3m-700kc), 1-2 p. m., Rudy Seiger's Fairmont hotel orchestra; 2:30-3:30, matinee program; 6:40-7, Waldemar Lind and the States restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel orchestra; 8-9, Uda Waldrop, organist; 9-10, KPO and KFI; 10-11, Cabirians' orchestra; 11-12, Henry Halsted's orchestra.

KTAB, Oakland, Calif. (239.9m-1250kc), 12-1 p. m., concert; 8-10, program.

KWSC, Pullman, Wash. (348.6m-860kc), 7:30-9 p. m., Clarkston Commercial club.

Tuesday, March 23

Headliners Today

Eastern	Central	Mountain	Pacific
7:30 p. m.	6:30 p. m.	5:30 p. m.	4:30 p. m.

WEAO (293.9m-1020kc) Fraternity program.
WJZ (454.3m-660kc), WRC (468.5m-640kc), WGY (379.5m-790kc) U. S. Marine band.

FARMERS' PROGRAMS INDEX

Farmer Dinner Concerts

Daily Except Sunday

CENTRAL TIME
KFNF, 12:15-1:35 p. m.
KMA, 11:30-12:30
KSO, 12:30-1:30 p. m.
WLS, 12 noon.

Saturday, March 20

Eastern	Central	Mountain	Pacific
1 p. m.	12 noon	11 a. m.	10 a. m.

KFRC (296.9m-1010kc) Farmers' educational and musical program.
1:45 12:45 p. m. 11:45 10:45
WOI (270m-1110kc) Soils, questions and answers.
8 7 6 p. m. 5 p. m.
KDKA (309.1m-970kc), Farm program.
9:05 8:05 7:05 6:05
KFAB (340.7m-880kc), "Preparing for State Fairs," L. Frisbie; "Increasing the Farm Income," H. Filley.
9:30 8:30 7:30 6:30
KFAU (280.2m-1070kc), Agricultural talk, question box.

Sunday, March 21

Eastern	Central	Mountain	Pacific
3:30 p. m.	2:30 p. m.	1:30 p. m.	12:30 p. m.

WFAA (475.9m-630kc), Sunday hour for farmers.

Monday, March 22

Eastern	Central	Mountain	Pacific
12 noon	11 a. m.	10 a. m.	9 a. m.

WRC (468.5m-640kc), Fifty Farm flashes.
1:15 p. m. 12:15 p. m. 11:15 10:15
WOC (483.6m-620kc), "Starting the Sows and Their Sucklers Off Right," John Evvard.
WEAO (293.9m-1020kc), Timely Economic Information for the farmer, C. J. West.
1:35 12:35 11:35 10:35
KSAC (340.7m-880kc), "Sorghum Seed Treatment," D. Porter. "Use Early Pastures with Care," J. Lumb.
1:45 12:45 11:45 10:45
WOI (270m-1110kc), "Some Common Animal Parasites," E. Benbrook.
WMAQ (447.5m-670kc), Radio farm school.
7 6 5 p. m. 4 p. m.
WGY (379.5m-790kc) Agricultural program.
7:45 6:45 5:45 4:45
WSOE (246m-1220kc) Hog Raising.
8 7 6 5
KFKU (275m-1090kc), "The Agricultural Situation," Prof. John Ise.
WOS (440.9m-680kc), Livestock questions and answers.
WTAG (267.7m-1120kc), "Raspberry Growing," W. H. Thies.
8:15 7:15 6:15 5:15
KSAC (340.7m-880kc) "Feeding the Lamb for the Early Market," H. Reed. "Rations Which Agree with Chicks," H. Steup.
8:30 7:30 6:30 5:30
KUOA (299.8m-1000kc), "Farm Filosofy," Cy Adams; "What I See As I Travel Over Southwest Arkansas," H. Thatcher. "What I See As I Travel Over Northwest Arkansas," J. Barnett. "What I See as I Travel Over Southeast Arkansas," E. Whitaker. "What I See as I Travel All Over Arkansas," T. Roy Reid.
8:45 7:45 6:45 5:45
WCCO (416.4m-720kc) Farm lecture.
WOI (270m-1110kc), "Fertilize your Fruit Trees," Prof. Pickett.
WTIC (475.9m-630kc), "Why More Alfalfa Will Pay," Ben Southwick.
9:05 8:05 7:05 6:05
KFAB (340.7m-880kc), "Alfalfa and Clover Varieties," T. Kiesselbach. "What to Expect from Cherries," F. M. Coe.
10 9 8 7
KOAC (280.2m-1070kc) Agricultural question box. "Managing the Poultry Breeding Flock," A. Lunn.
10:30 9:30 8:30 7:30
KOAC (280.2m-1070kc), "Spring Management of Bees for Honey Production," H. Scullen.
10:45 9:45 8:45 7:45
KOAC (280.2m-1070kc), "What Does the Future Hold for the Apple Grower?" Clayton Long.
11:05 10:05 9:05 8:05
KGO (361.2m-830kc), Farm program.

Tuesday, March 23

Eastern	Central	Mountain	Pacific
11:30 a. m.	10:30 a. m.	9:30 a. m.	8:30 a. m.

KFAB (340.7m-880kc), "How Much Do Our Pullets Cost?"
12 noon 11 10 9
WRC (468.5m-640kc) Fifty Farm flashes.
1:15 p. m. 12:15 p. m. 11:15 10:15
WEAO (293.9m-1020kc), "Vegetables," Getting the Jump on the Bugs, L. M. Montgomery.
WOC (483.6m-620kc) "International Poultry Parasites," A. Philips.
1:35 12:35 11:35 10:35
KSAC (340.7m-880kc) "Spring Care of the Strawberry Bed," A. Schoth.
1:45 12:45 11:45 10:45
WMAQ, (447.5m-670kc), Radio farm school.
WOI (270m-1110kc), "Animal Husbandry," H. H. Kildee.
7:10 6:10 5:10 p. m. 4:10 p. m.
WEAO (293.9m-1020kc) "Fruits: the Question of Varieties," F. G. Charles.
7:15 6:15 5:15 4:15
WKAR (285.5m-1050kc), "Vaccination in Veterinary Practice," I. Huddleson.
7:30 6:30 5:30 4:30
WKAR, (285.5m-1050kc), "Poultry Plant Sanitation," James Boyd.
7:45 6:45 5:45 4:45
WKAR (285.5m-1050kc), "Getting More for Our Wool," V. Freeman.
8 7 6 5
KSAC (340.7m-880kc), "Making Butter and Cheese on the Farm," K. Renner.
9:30 8:30 7:30 6:30
KOA (322.4m-930kc), Farm question box, George Wheeler.
11 10 9 8
CNRV (291.1m-1080kc), "Fragrant Flowers for Farm Firesides," F. E. Buck.

Wednesday, March 24

Eastern	Central	Mountain	Pacific
12 noon	11 a. m.	10 a. m.	9 a. m.

WRC (468.5m-640kc), Fifty farm flashes.
1:15 p. m. 12:15 p. m. 11:15 10:15
WOC (483.6m-620kc), "Profitable Dairy Feed for Every Month—November to May," O. Reed.
1:30 12:30 11:30 10:30
WFAA (475.9m-630kc), Sears-Roebuck Agricultural program.
1:35 12:35 11:35 10:35
KSAC (340.7m-880kc) "Repairing the Farm Machinery," Claude Shedd. "Dormant Spray," W. Martin.
1:45 12:45 11:45 10:45
WMAQ (447.5m-670kc) Radio Farm school.
WOI (270m-1110kc), Poultry husbandry.
1:50 p. m. 12:50 p. m. 11:50 a. m. 10:50 a. m.
KFKX (288.3m-1040kc), "A B C's of Dairying," C. Long.
8 7 6 p. m. 5 p. m.
WOS (440.9m-680kc), Evening market hour, poultry questions and answers.
9:05 8:05 7:05 6:05
WTIC (475.9m-630kc) "Controlling Insect Pests," M. Swenk. "Dairy Dos and Don'ts," H. Davis.
10:30 9:30 8:30 7:30
KWSC (348.6m-860kc), "Contribution of Science to the Dairy Industry," "Relation of Bacteriology to the Quality of Manufactured Dairy Products," E. Ellington. "Extension Work in 1925," W. Underwood.

Thursday, March 25

Eastern	Central	Mountain	Pacific
12 noon	11 a. m.	10 a. m.	9 a. m.

WRC (468.5m-640kc) Fifty Farm flashes.
1:15 p. m. 12:15 p. m. 11:15 10:15
WEAO (293.9m-1020kc) "Fruits: How Shall we Cultivate?" Wendell Paddock.
WOC (483.6m-620kc) "The Soy Bean—Inoculation Makes More Valuable," J. Hackelman.
1:35 12:35 11:35 10:35
KSAC (340.7m-880kc) "Fertilizers for the Vegetables and Flowers," E. Wells. "Farm Fences," W. Ward.
1:45 12:45 11:45 10:45
WMAQ (447.5m-670kc) Radio farm school.
WOI (270m-1110kc), Farm crops.
7:15 6:15 5:15 p. m. 4:15 p. m.
WKAR (285.5m-1050kc) "Feeding Cows on Pasture," R. Addy. "Milking Machines," J. Burnett. "Food Value of Milk," P. Lucas.
8 7 6 5
KSO (242m-1240kc) Farm talk.
WEAO (293.9m-1020kc) "Vegetables—Potatoes, More of Them per Acre," L. Montgomery.
8:30 7:30 6:30 5:30
WOI (270m-1110kc) "Soy Beans for Iowa," F. Wilkins.
9:30 8:30 7:30 6:30
KOA (322.4m-930kc) Farm question box.

Friday, March 26

Eastern	Central	Mountain	Pacific
12 noon	11 a. m.	10 a. m.	9 a. m.

WRC (468.5m-640kc) Fifty Farm flashes.
1:15 p. m. 12:15 p. m. 11:15 10:15
WOC (483.6m-860kc) Special Farm Service Day.
KTHS (374.8m-800kc) Farmers' Radio Chautauqua.
1:35 12:35 11:35 10:35
KSAC (340.7m-880kc) "Getting Ready for Pasture," R. Kiser. "The Striped Ground Squirrel," Roy Moore.
1:45 12:45 11:45 10:45
WOI (270m-1110kc) Agricultural Economics.
7:15 6:15 5:15 p.m. 4:15 p. m.
WKAR (285.5m-1050kc) "Wheat and Chaff," H. Rather. "Potato Experiments and Breeding Work at Michigan Experiment Station," C. Cormany. "Preparing Potato Seed for Planting," H. Moore. "Growing a Better Quality of Potatoes for Michigan's Markets," H. Curtis.
7:30 6:30 5:30 4:30
KSAC (340.7m-880kc) "How Seeds Germinate," W. Davis. "Modern Beekeeping," Ralph Parker.
8 7 6 5
WOS (440.9m-680kc) Evening Market hour, Dairy questions and answers.
8:15 7:15 6:15 5:15
KSO (242m-1240kc) Farm talk.
8:30 7:30 6:30 5:30
WOC (483.6m-620kc) Question box.
8:35 7:35 6:35 5:35
WCCO (416.4m-720kc) Farm lecture.
KWSC (348.6m-860kc) "Progress of Beekeeping Industry in Washington," B. M. Slocum.

Markets and Weather

Daily Except Sunday

Eastern	Central	Mountain	Pacific
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.

WOAW (526m-570kc) Markets.
9:45 8:45 7:45 6:45
KDKA (309.1m-970kc) Livestock, grain.
10 9 8 7
WLS (344.6m-870kc) Livestock, markets, fruit.
WOS (440.9m-680kc) Hogs.
10:30 9:30 8:30 7:30
WFAA (475.9m-630kc) Markets.
10:45 9:45 8:45 7:45
WCCO (416.4m-720kc) Markets.
WHO (526m-570kc) Opening grain quotations, New York and Chicago stock exchange. Livestock, weather, roads.
WMC (499.7m-600kc) Weather, markets.
11 10 9 8
WOS (440.9m-680kc) Weather, hogs.
11:15 10:15 9:15 8:15
WTAG (268m-1120kc) Markets, weather.
11:30 10:30 9:30 8:30
WCCO (416.4m-720kc) Markets.
WEAR (389.4m-770kc) Markets, weather.
12 n. 11 10 9
KDKA (309.1m-970kc) Weather, livestock, grain.
WBAP (475.9m-630kc) Weather, cattle, grain.
WLS (344.6m-870kc) Poultry, dairy, hogs, sheep.
WOS (440.9m-680kc) Livestock, poultry, eggs, grain.
12:30 p. m. 11:30 10:30 9:30
WEAR (384.4m-780kc) Markets, weather.
WFAA (475.9m-630kc) Markets.
1 12 n. 11 10
WBAP (475.9m-630kc) Markets.
WHO (526m-570kc) Livestock, receipts. Weather, roads.
WOS (440.9m680kc) Livestock, weather.
1:30 12:30 p. m. 11:30 10:30
KTHS (374.8m-800kc) Markets, weather, market, apples.
WOAW (526m-570kc) Markets.
1:45 12:45 11:45 10:45
KOA (322.4m-930kc) Weather, roads, livestock, poultry.
2 1 12 n. 11
WOC (483.6m-620kc) Weather, grain, livestock, dairy.
3 2 1 12 n.
WHO (526m-570kc) Livestock, Chicago and St. Louis closing cash market quotations, Chicago Board of Trade, N. Y. Stock exchange.
WLS (344.6m-870kc) Livestock, grain, dairy, fruit, vegetables.
WOS (440.9m-680kc) Livestock, markets, grain.
3:30 2:30 1:30 12:30 p. m.
WFAA (475.9m-630kc) Markets.
3:50 2:50 1:50 12:50
WWJ (352.7m-850kc) Weather, markets.
4 3 2 1
WCCO (416.4m-720kc) Markets.
WFAA (475.9m-630kc) Markets.
6:45 5:45 4:45 3:45
KSAC (340.7m-880kc) Market review.
8 7 6 5
KOA (322.4m-930kc) Sheep, markets, livestock, poultry.

MARIA JERITZA. EMILIO DE GOGORZ

POPU

Saturday, M

Eastern	Central	
7:30 p. m.	6:30 p. m.	
WFAA.		
8	7	
WAMD, WLS.		
9	8	
WBBM, WEAF, WENR, W		
WNYC.		
10	9	
KFAB, KPRC, WBBM, W		
WLS, WMBB, WREO.		
11	10	
KFVE, KFWB, KNX, KT		
WOK, WQJ, WRC.		
12 m	11	
KNX, KOIL, KPO, KPRC,		
WOAW, WOK, WQJ.		
1 a. m.	12 m	
KFWB, WDAF, WBBM, W		
WQJ, WSAI.		
2	1 a. m.	
KNX, WBBM, WEBH, WE		

Sunday, Ma

Eastern	Central	
9 p. m.	8 p. m.	
WBBM.		
10	9	
WBBM, WMBB.		
11	10	
WMBB.		
12	11	
KNX, KTHS.		
1 a. m.	12 m	
KFWB, WBBM.		
2	1 a. m.	
KFWB.		

Monday, Ma

Eastern	Central	
7 p. m.	6 p. m.	
WBBM, WFAA, WOAW.		
8	7	
WGBS.		
9	8	
WCAU, WEAF, WGR, WK		
10	9	
KFAB, WEBH, WGR, WK		
WOK, WSOE.		
11	10	
KFAB, KFVE, WOK.		
12 m.	11	
KLX, KNX, KOIL, WA		
WOK.		
1 a. m.	12 m	
KFWB, KLX, WAHG, WI		
WOK.		
2 a. m.	1 a. m.	
KFWB.		

Tuesday, Ma

Eastern	Central	
7 p. m.	6 p. m.	
WMCA, WOAW.		
8	7	
WBBM, WEAR.		
9	8	
WBBM, WEAR, WBZ, WS		
10	9	
WBBM, WEBH, WMBB, W		

Monday, Ma

violinist; 9:10-10, Louise John Weil, contralto; Miriam Savage

WBBR, New York, N. Y. (272. Syrian music, Prof. Toufic Mou

WBZ, Springfield, Mass. (333.1m Hotel Lenox ensemble; 7:30, 8, Capitol theater orchestra; 8: cert, Clarence Jones; 9, compose room; 10:03, WBZ Radio movi

WCAE, Pittsburgh, Pa. (461.3m dinner concert, William Penn Girl; 8, studio concert, Oliver high 9, studio concert; 10, grand opera; 11, K son's Midnight Sons.

WCAP, Washington, D. C. (468.5m-640kc), 6- WCAP; grand opera, "Nozza di Figaro," W

WCAU, Philadelphia, Pa. (277.5m-1080kc), 7: recital, N. Snellenburg and company; 8, Boys; 10:30, Parodians dance orchestra.

WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. program, Goldkette ensemble; 8-9, program.

WEAF, New York, N. Y. (491.5m-610kc), 7:4 morning prayer services, Greater New York of Churches; 11:05, Ruth Friedman, piani Ruth Friedman, pianist; 4 p. m., Helen F prano; 4:15, Pearl Beards, pianist; 4:30, P nell, baritone; 5, Vincent Lopez and orchestr ner music, Hotel Waldorf-Astoria; 7:20, Ra Parker, tenor; 8, popular concert; 9, A. and sies, WEEI, WCAP, WWJ, WJAR, WOO; 1 di Figaro," WEAF Grand Opera compan WCAE, WJAR, WCAP, WTAG; 11-12, B and orchestra.

WEEI, Boston, Mass. (248.6m-860kc), 5 p. bow Ramblers; 6:15, Joe Rines and his Hunt orchestra; 7:30, Black Iron Shiners; 8:15, Central Automobile Tire company; 9, W Scotty Holmes and his orchestra; Imperial band.

WFI, Philadelphia, Pa. (394.5m-760kc), 1 p. room ensemble; 3, Mu Phi Epsilon national musical sorority; 6:30, Bellevue Stratford co chestra; 7, Bellevue Stratford dance orchestra

WGBS, New York, N. Y. (315.6m-950kc), 10: Bernard Kalkins, organist; 1:30 p. m., string trio; 3:10-3:30 3:50, Mary Baker, sopra Little Bear Balalaika orchestra.

WGCP, New York, N. Y. (252m-1190kc), 3 p. ing Finstenberg, pianist; 3:30, Rita Redbord, 3:45, studio program; 4:15, Uncle Robert's t Le Roy Molesanto, tenor; 8:30, Strickland's 9:30, studio program; 10, Strickland's orchestr China Royal orchestra.

WGHB, Clearwater, Fla. (266m-1130kc), 6:30-7 Lakewood Terrace orchestra; 8:30-11, divers gram, Sebring; 11:30-1 a. m., Lakewood T chestra.

WGR, Buffalo, N. Y. (319m-940kc), 2:30 p. m., afternoon program; 6:30, Joe Armbruster's orch 8:30, Harriett E. Newman, pianist, and associate art ist; 9, University of Buffalo musical program; 10, popular program, Gertrude Zimmerman; 10:30, two-piano program, Marion Healy and Grace Jolley; 11, Vincent Lopez's Hotel Statler dance orchestra, Harold Gieser, director, John F. Gunderman, Jr., organist.

WGY, Schenectady, N. Y. (379.5m-790kc), 2 p. m., Asia restaurant orchestra; 2:30, music; 6:30, Porter E. Potts' Hotel Van Curler orchestra; 7:45, WGY orchestra; Elizabeth Roehr Narber, soprano; Gustav A. Wickert, Jr., baritone.

WHAR, Atlantic City, N. J. (275m-1090kc), 2 p. m., Seaside hotel trio; 8, Seaside hotel ensemble; 11, Follies Bergere orchestra.

WHAZ, Troy, N. Y. (379.5m-790kc), 9 p. m., Troy Vocal society, Prof. William L. Glover.

National bank silver sextet; 8:40, "Memories of Jennie and Clara Schumann," Anna Barbash, soprano; Alice Warren Sachse, pianist; 9, Hotel Ambassador concert orchestra; 10, Hotel Traymore grill dance orchestra; 11, Silver Slipper supper club.

WRC, Washington, D. C. (468.5m-640kc), 12:30 p. m., service, Keith's theater; 1, Shoreham hotel orchestra; 4:30, musical program.

WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., Speed-Wagon serenaders; Gold Standard ensemble; 8:15, Reo Motor car company band, vocal and instrumental solos.

WRVA, Richmond, Va. (256.3m-1170kc), 8:15 p. m., Howland, harmonica soloist; Mrs. W. R. Helie, vocalist; Willie Ida Thomason, violinist; Mount Olive Jubilee singers, Negro spiritual songs; Frank A. Bonner, cornetist; Gladys A. Villar, pickin on a piano; Florida Footwarmers' dance orchestra.

WFAA, Dallas, Tex. (475.9m-630kc), 12:30-1 p. m., Paul D. Ray, railroad pianist; 1:30-2, Edmund F. Boettcher, tenor; Miss Viola Cassidy, pianist; 2:30-3, Charles Kamaka, Hawaiian composer; 3:30-4, Jimmy's Joy features; 4:30-5, Cyrus Barcus, cornetist; 6:30-7:30, The Gleemen.

WGES, Oak Park, Ill. (250m-1200kc), 5-7 p. m., basso, pianist, Coyne serenaders.

chestra.

WSOE, Milwaukee, Wis. (245.8m-1220kc), 9 p. m., Candygram frolic, Frank Kuhl's Original Edgewater Beach orchestra.

WSUI, Iowa City, Iowa (483.6m-620kc), 12:30 p. m., Esther Swisher, pianist; 8:30, music.

Mountain Time Stations

KFWA, Ogden, Utah (260.7m-1150kc), 4-5 p. m., organ recital, Paramount theater; 5-6, Ogden Radio dealers program; 9-10, studio program; 10-11, "Merry Mad Music Makers."

KFXF, Colorado Springs, Colo. (250m-1200kc), 8:30 p. m., Alice Atkins, Mrs. George A. Edwards, duets;

Webh, Wg
11:45, W
Khj, Knx,

Frida

8, Wwj; 9
Weei, W
Wmbb; 9:
Wcau, W
Kpo, Kths
Whn, Wgr
Wcco; 10:
11, Kfwb,

MARIA JERITZA, EMILIO DE GOGORZA TO SING FRIDAY OVER WJZ CHAIN

POPULAR CONCERTS INDEX

Saturday, March 20

Eastern Central Mountain Pacific
7:30 p. m. 6:30 p. m. 5:30 p. m. 4:30 p. m.
WFAA.
8 7 6 5
WAMD, WLS.
9 8 7 6
WBBM, WEAF, WENR, WGBS, WLS, WMAQ, WNYC.
10 9 8 7
KFAB, KPRC, WBBM, WEBH, WENR, WGN, WLS, WMBB, WREO.
11 10 9 8
KFVE, KFWB, KNX, KTHS, WBBM, WMBB, WOK, WQJ, WRC.
12 m 11 10 9
KNX, KOIL, KPO, KPRC, WBBM, WEBH, WLS, WOAW, WOK, WQJ.
1 a. m. 12 m 11 10
KFWB, WDAF, WBBM, WEBH, WENR, WOK, WQJ, WSAI.
2 1 a. m. 12 m. 11
KNX, WBBM, WEBH, WENR, WQJ.

Sunday, March 21

Eastern Central Mountain Pacific
9 p. m. 8 p. m. 7 p. m. 6 p. m.
WBBM.
10 9 8 7
WBBM, WMBB.
11 10 9 8
WMBB.
12 11 10 9
KNX, KTHS.
1 a. m. 12 m 11 10
KFWB, WBBM.
2 1 a. m. 12 m 11
KFWB.

Monday, March 22

Eastern Central Mountain Pacific
7 p. m. 6 p. m. 5 p. m. 4 p. m.
WBBM, WFAA, WOAW.
8 7 6 5
WGBS.
9 8 7 6
WCAU, WEAF, WGR, WKRC, WOK
10 9 8 7
KFAB, WEBH, WGR, WKRC, WMCA, WOAW, WOK, WSOE.
11 10 9 8
KFAB, KFVE, WOK.
12 m. 11 10 9
KLX, KNX, KOIL, WAMD, WEBH, WHO, WOK.
1 a. m. 12 m 11 10
KFWB, KLX, WAHG, WDAF, WHT, WKRC, WOK.
2 a. m. 1 a. m. 12 m. 11
KFWB.

Tuesday, March 23

Eastern Central Mountain Pacific
7 p. m. 6 p. m. 5 p. m. 4 p. m.
WMCA, WOAW.
8 7 6 5
WBBM, WEAR.
9 8 7 6
WBBM, WEAR, WBZ, WSB.
10 9 8 7
WBBM, WLBH, WMBB, WOAW.

Eastern Central Mountain Pacific
11 p. m. 10 p. m. 9 p. m. 8 p. m.
KFVE, KFWB, KNX, WBBM, WHT, WMBB, WOK, WQJ.
12 m. 11 10 9
KNX, KOIL, KPO, WAMD, WBBM, WEBH, WKRC, WMC, WOK, WQJ.
1 a. m. 12 m. 11 10
KFWB, KNX, WFAA, WHT, WOAW, WOK, WQJ
2 1 12 m. 11
KFWB, WQJ.

Wednesday, March 24

Eastern Central Mountain Pacific
8 p. m. 7 p. m. 6 p. m. 5 p. m.
KFNF, WAHG, WEBJ, WEEI, WMCA.
9 8 7 6
WBBM, WEBJ, WOCP, WNYC.
10 9 8 7
KFAB, KPRC, WBBM, WEBH, WOCP, WHO, WMBB
11 10 9 8
KFAB, KFVE, KOW, KPO, KWSC, KYW, WBBM, WHN, WMBB, WOK, WQJ.
12 m. 11 10 9
KFWA, KFWB, KNX, KYW, WAMD, WEBH, WOK, WQJ, WSAI.
1 a. m. 12 m 11 10
KNX, KYW, WBBM, WHT, WOK, WQJ.
2 1 a. m. 12 m 11
KFWB, KNX, WBBM, WOK, WQJ.

Thursday, March 25

Eastern Central Mountain Pacific
8 p. m. 7 p. m. 6 p. m. 5 p. m.
WCAE, WEAF, WJAR, WMC, WOC, WSAI.
9 8 7 6
WBBM, WHAD.
10 9 8 7
KMA, WBBM, WEBH, WEEI, WHAD, WHN, WMBB, WMC, WNYC, WOAW, WSOE
11 10 9 8
KHJ, KMA, KYW, WBBM, WMBB, WOK, WQJ
12 m 11 10 9
KHJ, KTAB, KOIL, WBBM, WDAF, WEBH, WFAA, WKRC, WOC, WOK, WQJ.
1 a. m. 12 m 11 10
KFWB, KHJ, WHT, WOK, WQJ.
2 1 a. m. 12 m 11
KNX, WQJ.

Friday, March 26

Eastern Central Mountain Pacific
8 p. m. 7 p. m. 6 p. m. 5 p. m.
WOCP, WJR.
9 8 7 6
WAMD, WBBM, WGR, WLS.
10 9 8 7
WFAB, WBBM, WEBH, WMC, WDAF, WHAD, WMBB, WOAW, WSOE
11 10 9 8
KFVE, KFWA, KHJ, KLX, KYW, WMBB, WOK, WQJ.
12 m 11 10 9
KFWB, KHJ, KNX, KOIL, WAMD, WEBH, WMC, WOK, WQJ.
1 a. m. 12 m 11 10
KFWB, KHJ, WDAF, WHT, WOK, WQJ.
2 1 a. m. 12 m 11
KNX, WQJ.

Claudia Muzio in the circle above, will sing this Sunday evening over the WEAF chain. Above is Prof. Paul Stoye, who gives a piano concert at WHO, Des Moines, Monday evenings.

WKAF, Milwaukee, claims a pianist whose playing has charmed Kings and Queens. Viola Sontag, above, is the artist whose appearances at this station have been well received by her invisible audience. In the center is Willie the Weeper, or Ernest Rogers of WSB, Atlanta.

Monday, March 22

violinist; 9 10 10, Louise Johnson, soprano; Beulah Weil, contralto, Miriam Savage, pianist.
WBBR, New York, N. Y. (272 6m-1100kc), 8 p. m., Syrian music, Prof. Toufic Moubahl, Elizabeth Awad.
WBZ, Springfield, Mass. (333.1m-900kc), 6.30 p. m., Hotel Lenox ensemble; 7.30, organ, Rene Dagenais, 8, Capitol theater orchestra; 8 30, marimbaphone concert, Clarence Jones, 9, composers' night, Aleppo band room; 10 03, WBZ Radio movie club.
WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert, William Penn hotel; 7.30, Sunshine Girl; 8, studio concert, Oliver high school orchestra, 9, studio concert; 10, grand opera; 11, Ralph Harrison's Midnight Sons.
WCAP, Washington, D. C. (468.5m-640kc), 6-11 p. m., WCAP; grand opera, "Nozza di Figaro," WEAF.
WCAU, Philadelphia, Pa. (277.5m-1080kc), 7.30 p. m., recital, N Snellenburg and company; 8, the Hood Boys; 10 30, Parodians dance orchestra.
WCX, Detroit, Mich. (516.9m-580kc), 6 7 p. m., dinner program, Goldkette ensemble, 8 9, program.
WEAF, New York, N. Y. (491.5m-610kc), 7:15-8 a. m., morning prayer services, Greater New York Federation of Churches; 11.05, Ruth Friedman, pianist; 11:30, Ruth Friedman, pianist; 1 p m., Helen Forker, soprano; 4 15, Pearl Beards, pianist; 4.30, Paul Winnell, baritone; 5, Vincent Lopez and orchestra; 6, dinner music, Hotel Waldorf-Astoria; 7 20, Raymond G. Packer, tenor; 8, popular concert; 9, A. and P. Gypsies, WEEI, WCAP, WWJ, WJAR, WOO; 10, "Nozza di Figaro," WEAF Grand Opera company, WOO, WCAE, WJAR, WCAP, WTAG; 11-12, Ben Bernie and orchestra.
WEEI, Boston, Mass. (248.6m-860kc), 5 p m., Rainbow Rambler; 6 15, Joe Rines and his Hunters' Cabin orchestra; 7 30, Black Iron Shiners; 8 15, musicale, Central Automobile Tire company; 9, WEAF; 10, Scotty Holmes and his orchestra; Imperial marimba band.
WFI, Philadelphia, Pa. (394.5m-760kc), 1 p. m., tea room ensemble, 3, Mu Phi Epsilon national honorary musical sorority; 6 30, Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra.
WGBS, New York, N. Y. (315.6m-950kc), 10 30 a. m., Bernard Kalkins, organist; 1.30 p. m., Manhattan string trio; 3.10 3 30 3 50, Mary Baker, soprano; 6 30, Little Bear Balalaika orchestra.
WGCP, New York, N. Y. (252m-1190kc), 3 p. m., Irving Fleishberg, pianist; 3.30, Rita Redbord, soprano; 3.15, studio program; 4 15, Uncle Robert's talk, 5 10, Le Roy Molesanto, tenor; 8 30, Strickland's orchestra; 9 30, studio program; 10, Strickland's orchestra; 10.30, China Royal orchestra.
WGHB, Clearwater, Fla. (266m-1130kc), 6:30-7:30 p. m., Lakewood Terrace orchestra; 8 30 11, diversified program, Sebring; 11 30-1 a. m., Lakewood Terrace orchestra.
WGR, Buffalo, N. Y. (319m-940kc), 2 30 p. m., WGR's afternoon program; 6.30, Joe Armbruster's orchestra; 8:30, Harriett E. Newman, pianist, and associate artist; 9, University of Buffalo musical program; 10, popular program, Gertrude Zimmerman; 10:30, two-piano program, Marion Healy and Grace Jolley; 11, Vincent Lopez's Hotel Statler dance orchestra, Harold Gleser, director, John F. Gunderman, Jr., organist.
WGY, Schenectady, N. Y. (379.5m-790kc), 2 p. m., Asia restaurant orchestra; 2.30, music; 6 30, Porter E. Potts' Hotel Van Curler orchestra; 7 45, WGY orchestra; Elizabeth Roehr Nurber, soprano; Gustav A. Wickert, Jr., baritone.
WHAR, Atlantic City, N. J. (275m-1090kc), 2 p. m., Seaside hotel trio; 8, Seaside hotel ensemble; 11, Follies Bergere orchestra.
WHAZ, Troy, N. Y. (379.5m-790kc), 9 p. m., Troy Vocal society, Prof. William L. Glover.
WHN, New York, N. Y. (361.2m-830kc), 6 p. m., people's hour; 7, Twin Oaks orchestra; 7 30, Joe Ward's Swanee entertainers; 8:05, Roseland dance orchestra; 8.35, Uncle Robert's chat; 10 30, Leroy Smith's orchestra; 11, Cotton club orchestra; 11:30, Silver Slipper orchestra; 12, Avalon club orchestra.
WIP, Philadelphia, Pa. (508.2m-590kc), 1 p. m., Gimbel tea room orchestra; 3, Theodore Liedemedt, violinist; James Cawlson, baritone; Otto Kruger, pianist; Flora Ripka, accompanist; 6:05, Benjamin Franklin hotel dance orchestra; 7, Uncle Wip's bedtime stories; dancing lesson, Miller conservatory of dancing.
WJAR, Providence, R. I. (305.9m-980kc), 1:05 p. m., artists' studio program; 7.45, Providence Dairy "Grade A" entertainers; 8:15, musical program; 9, WEAF; 10, WEAF.
WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Jean Goldkette's symphony orchestra; soloists; 11:30, "The Merry Old Chief."
WJZ, New York, N. Y. (454.3m-660kc), 12 noon, Trinity Lenten services; 1 p m., Meyer Davis' Park lane orchestra; 4.35, Sherry's Fifth avenue trio; 7, Hotel Commodore dinner concert, 7 55, John B Kennedy; 8, B. Fischer and company's Astor Coffee orchestra; 9, Henry Hadley and his Philharmonic orchestra; 10, Arion male chorus; 10:30, Waldorf-Astoria grill orchestra.
WLIT, Philadelphia, Pa. (394.5m-760kc), 12:20 p. m., Lenten services; 12 35, Ben Franklin hotel concert orchestra; 2, Arcadia cafe concert orchestra; 4:30, recital; 5:15, Sesqui Centennial concert; 7:30, Dream Daddy's bedtime stories; 9, Stanley theater hour; 10, Arcadia cafe dance orchestra; 10:30, vaudeville features, Fay's theater; 10.45, Benjamin Franklin hotel El Patio dance orchestra.
WLWL, New York, N. Y. (280.3m-1040kc), 9 p. m., piano; 9.45, music; 10.15, study club; 10:30, songs.
WMAK, Buffalo, N. Y. (266m-1130kc), 7.30-8:30 p. m., Murray Whiteman and his serenaders; 8:30-9, musical program, New Olympic theater; 9-10, Philco serenaders, Clifford S Bettinger and company, Inc.; 10-11, musical program, Beaver Products company.
WMAZ, Macon, Ga. (261m-1150kc), 9 10 p. m., Georgia Sirens orchestra; 10-11, Marvin Pharr, pianist.
WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Olcott Vail and his Hotel McAlpin string ensemble; 6:30, Ernie Golden and his Hotel McAlpin orchestra; 7:30, Kurtz Karnival Kings; 10:15, McAlpin news editor; 10.30, Parody orchestra; 10:45, Van and Schenck; 11.30, Jack Denny's orchestra; 12, McAlpin entertainers.
WNYC, New York, N. Y. (526m-570kc), 6:20 p. m., piano selections; 6:30, elementary German lessons; 7, advanced German lessons; 7 35, piano recital; 8:30, vocal and instrumental concert; 9:15, instrumental novelty.
WOO, Philadelphia, Pa. (508.2m-590kc), 11 a. m., organ recital; 12 02 p m., Golden's crystal tea room orchestra; 4.15, organ recital; 8, Pop concert; 9-11, WEAF; 11, Adelphia dance orchestra.
WOR, Newark, N. J. (405.2m-740kc), 6:30 p. m., Jacques Jacobs' Hotel Shelton ensemble; 7:15, Zit's Central Park Casino orchestra; 8 30, Al Reid's hour, direct from Branford theater; 9:30, Madeline Hulsizer, soprano; 11, Hofbrau Haus orchestra.
WPG, Atlantic City, N. J. (299.8m-1000kc), 4:45 p. m., afternoon tea music; 6:45, Arthur Scott Brook, organist; 7, Hotel Morton dinner music; 7.30, Union National bank silver sextet; 8:10, "Memories of Jennie and Clara Schumann," Anna Barbash, soprano; Alice Warren Sachse, pianist; 9, Hotel Ambassador concert orchestra; 10, Hotel Traymore grill dance orchestra; 11, Silver Slipper supper club.
WRC, Washington, D. C. (468.5m-640kc), 12:30 p. m., service, Keith's theater; 1, Shoreham hotel orchestra; 4 30, musical program.
WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., Speed-Wagon serenaders; Gold Standard ensemble; 8 15, Reo Motor car company band, vocal and instrumental solos.
WRVA, Richmond, Va. (256.3m-1170kc), 8:15 p. m., Elizabeth Reed Hill, reader; Joseph Maust, tenor; Mrs. Joseph Maust, pianist; 9:15, Samis Grotto band; 10.15, J. Harold Lawrence, blind pianist; 11:15, "Carry Me Back to Old Virginny."
WTAG, Worcester, Mass. (268m-1120kc), 12:05-2 p. m., WTAG orchestra; 6-7, dinner music; 8:30-9, Broad and Long; 9-10, Robin Hood hour of music; 10-11, WEAF.
WTAM, Cleveland, Ohio (389.4m-770kc), 12:15-1:30 p. m., Austin Wylie's vocalion recording orchestra; 6-7, Carl Rupp and his Hotel Hollenden orchestra; 8-9, Willard symphony; 9-10, concert, Carabelle Johnson, Dorothy Smith Lenz, Harold Branch, and James McMahan; 10-11, Willard symphony; 11-12, Austin Wylie's vocalion recording orchestra; 12-1 a. m., Guy Lombardo and his Royal Canadians.
WTIC, Hartford, Conn. (475.9m-630kc), 11:25 a. m., Beatrice Torgan, violinist; 12:05 p. m., Travelers' club orchestra; 9, Marjorie Kay entertainers; 9:30, Emil Heimberger's Hotel Bond orchestra; 10:30, Travelers' symphonic ensemble.
WWJ, Detroit, Mich. (352.7m-850kc), 12:05 p. m., Jules Klein's Hotel Statler orchestra; 3, Detroit News orchestra; 6, dinner concert; 8, Detroit News orchestra; 9, WEAF.

Central Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., dinner concert; 8:30-10:30, Ed Ellingson, original songbird; Harriet Cruise, oriole of the air; Belshaw's orchestra; Cowbell Boys; Mike Kopac, pianist.
KFKU, Lawrence, Kan. (275m-1090kc), 7:15 p. m., Florence Benner, pianist; Emilie Greenan, soprano.
KFRU, Columbia, Mo. (499.7m-600kc), 6:15 p. m., dinner program
KMA, Shenandoah, Iowa (252m-1190kc), 6-7 p. m., music; 9-11, Farnham trio; Grady and Doe.
KMOX, St. Louis, Mo. (280.2m-1070kc), 12.30 p. m., organ recital, Arthur Utt; 3, string ensemble, soloists; 6, Arthur Utt, organist; 6.30, organ recital, Mrs Jaques Landree; Mrs. Frank Howard, soprano; 7, orchestra; "Buster Brown"; Herbert Penning, boy saxophonist; 9, orchestra, Harmony Three; 10, A. W. Snyder, piano-accordionist.
KPRC, Houston, Texas (296.9m-1010kc), 12 a. m., Frank Tilton, pianist; 7:30 p. m., Records' Ramblers dance orchestra; 8.30, Edna Adams, "the sweetheart of the air"; Mrs. E. E. Sawyer, pianist; 9, Kiwanis Glee club.
KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., Mrs. Lillian Linton Kestner, soprano; Gilbert Borresen, tenor; 9, David Earle and Emmet Murphy, piano artists.
KSO, Clarinda, Iowa (241.8m-1240kc), 7-7:30 p. m., music; 7;30-9:30, Hay Mow Five.
KUOA, Fayetteville, Ark. (299.8m-1000kc), 8 p. m., University high school glee club.
KYW, Chicago, Ill. (535.4m-560kc), 12:05-1 p. m., concert, Commonwealth Edison company; 1-2, concert, Congress hotel; Joska De Babary and his orchestra, Coon-Sanders orchestra; 7, musical, KDKA.
WAMD, Minneapolis, Minn. (243.8m-1230kc), 5:45 p. m., WAMD Boys' A. C.; 7:01, Garrick theater symphony orchestra; 7:20, classical program; 11, Skyrocket frolic, George Osborn and his orchestra.
WBAP, Fort Worth, Tex. (475.9m-640kc), 12:05-12.30 p. m., musical program; 6-6 30, Chief Gonzales' Texas hotel orchestra; 7.30-8:30, Harmonic Professional quartet; 9:30 11, Ward's Trail Blazers, Montgomery Ward and company orchestra; 11, Majestic theater.
WBBM, Chicago, Ill. (226m-1330kc), 4-6 p. m., Harry Sosnik; Sandy Meek; Irene Beasley, Jack Pennewell and Freddy Palmiter; Court Banks; Joe McManus, Edna Wheeler Ballard, harpist; 6-7, Beulah Mowers, concert pianist; Two Jays; Charlie Garland; Barber Shop Three; Floyd Falch; Fair and Warmer, pianists; Dave Handler, violinist.
WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 12 noon, Donaldson's orchestra; 6 15 p. m., Biley's St. Paul hotel concert orchestra; 8, University of Minnesota program, 9, classical concert.
WCOA, Pensacola, Fla. (222m-1350kc), 7 p. m., Howland Brothers, banjo, violin and ukulele; H. I Seaburg, baritone; Elizabeth Moreno, pianist; Harry T. Howland, harmonica soloist; Mrs W. R Helle, vocalist; Willie Ida Thomason, violinist; Mount Olive Jubilee singers, Negro spiritual songs; Frank A. Bonner, cornetist; Gladys A. Villar, pickin on a piano; Florida Footwarmers' dance orchestra.
WFAA, Dallas, Tex. (475.9m-630kc), 12:30-1 p. m., Paul D. Ray, railroad pianist; 1 30-2, Edmund F. Boettcher, tenor; Miss Viola Cassidy, pianist; 2:30-3, Charles Kamaka, Hawaiian composer; 3:30-4, Jimmy's Joy features; 4:30 5, Cyrus Barcus, cornetist; 6.30-7 30, The Gleemen
WGES, Oak Park, Ill. (250m-1200kc), 5-7 p. m., basso, pianist, Coyne serenaders
WGST, Atlanta, Ga. (270m-1110kc), 9-10 p m, Georgia Tech. glee club.
WHAD, Milwaukee, Wis. (275m-1090kc), 6:15-7 p. m., Bill Benning's Milwaukee Athletic club orchestra; 8:30-10, Wisconsin theater revue; dance music, talent.
WHB, Kansas City, Mo. (365.6m-820kc), 7-8 p. m., Sweeney Radio orchestra.
WHO, Des Moines, Iowa (526m-570kc), 7-30-9 p. m., Simpson Conservatory of Music; 11-12, organ recital, L. Carlos Meier.
WHT, Chicago, Ill. (399.8m-750kc), 12 m., Al Carney complimentary organ recital; 6, Pat Barnes and Al Carney.
WIBO, Chicago, Ill. (225.4m-1330kc), 2-4 p. m., program for shut-ins; Ted Fiorito, pianist; Dan Russo, violinist; Marie Tully, songs; Wayne Myers, reader; Madeline Hammond, songs; Gail Bandell, songster; Clifford Barge, violinist; Claudia Allman, songster; songs, The Jordans.
WJAD, Waco, Tex. (352.7m-850kc), 8:30-10 p. m., varied program, popular numbers.
WKAF, Milwaukee, Wis. (261m-1150kc), 10-11 p. m., Dammann ladies' trio; Helen Tower, violinist.
WKRC, Cincinnati, Ohio (325.9m-920kc), 6 p. m., dinner program, Alvin Roehr and his Hotel Alms orchestra; 8, popular song hour; 9, special musical program, American Legion; 12, Kodel midnight frolic, popular music, songs; 12:30 a. m., Wesley Helvey's Troubadours.
WLS, Chicago, Ill. (344.6m-670kc), 12 a. m., WLS studio trio; 6 p. m., WLS studio trio.
WLW, Cincinnati, Ohio (422.3m-710kc), 4 p. m., children's hour, Cincinnati College of Music; 7, Hotel Gibson orchestra; 7:30, theatrical feature; 8, Cincinnati Times Star program, South Sea serenaders, Robert Alter trio, the Liberty theater Ragamuffins.
WMAQ, Chicago, Ill. (447.5m-670kc), 5 p. m., games for the home, Glenn D. Adams; 5:15, Topsy Turvy time; 6, Chicago theater organ recital; 6:30, Hotel LaSalle orchestra.
WMC, Memphis, Tenn. (499.7m-600kc), 8:45 p. m., Cortese ensemble.
WOAW, Omaha, Nebr. (526m-570kc), 6:30 p. m., Frank Peterson, tenor; Helen Higgins, pianist; 6:50, Randall's Royal Fontenelle orchestra; 9, classical program.
WOC, Davenport, Iowa (483.6m-620kc), 5:45-6 p. m., chimes.
WOOD, Grand Rapids, Mich. (242m-1240kc), 9-10 p. m., classical concert; violin, piano, cello and cornet soloists; Margaret Murray, contralto; Hobart Bosworth, baritone; Herman Johnson and his Elks band; 10-11, Mills-Wetzel presentation; Magic Carpet series, "The Quest For Contentment"; WOOD ensemble; 11-1 a. m., Wild and Wooly Wood Workers' club; Merle Compton and his orchestra.
WOS, Jefferson City, Mo. (440.9m-680kc), 8:10 p. m., pupils, Mrs. Margaret Roberts Greene; Camilla B. Singleton, pianist; Alma Gray Hill, reader.
WRR, Dallas, Tex. (245.8m-1220kc), 6-7 p. m., Jack Gardner's orchestra; 8-9, Magnolia Petroleum company orchestra; 11-12, Pantages theater.
WSAI, Cincinnati, Ohio (325.9m-920kc), 10 p. m., community program.
WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., Baltimore hotel orchestra; 10.45, Atlanta Chamber of Commerce.
WSM, Nashville, Tenn. (282.8m-1060kc), 7:15 p. m., Francis Craig's orchestra; 8, Mrs. T. E Miles, contralto; Mrs. William Dunn, soprano; George Nerins, tenor; 10, Rotary club, Vito Pellettieri and his orchestra.
WSOE, Milwaukee, Wis. (245.8m-1220kc), 9 p. m., Candygram frolic, Frank Kuhl's Original Edgewater Beach orchestra.
WSUI, Iowa City, Iowa (483.6m-620kc), 12:30 p. m., Esther Swisher, pianist; 8.30, music.

Mountain Time Stations

KFWA, Ogden, Utah (260.7m-1150kc), 4-5 p. m., organ recital, Paramount theater; 5-6, Ogden Radio dealers program, 9 10, studio program; 10-11, "Merry Mad Music Makers."
KFXF, Colorado Springs, Colo. (250m-1200kc), 8:30 p. m., Alice Atkins, Mrs. George A. Edwards, duets; George H Hemus, bass; Fred Shantz, baritone; Virginia Newman, pianist.
KOA, Denver, Colo. (322.4m-930kc), 12:15 p. m., Rialto theater organ recital, Marjorie Nash; 6:30, Brown Palace string orchestra; 8:30, KOA orchestra and staff artists; 9:30, music, KOA; 9:40, "A Step on the Stairs."
KUOM, Missoula, Mont. (243.8m-1230kc), 8 p. m., music.

DANCING

Central Time

Saturday, March 20: 8, Wjr, Wsoe, Wpg; 8:30, Wfaa; 8 35, Wgy; 9, Webh, Weei, Wmbb, Wnyc, Wreo; [illegible] 10, Kths, Wip; 9:30, Kths, Wgbs, Wor, Wrc; 10, Kfve, Kfwa, Koa, Kpo, Weaf, Wgn, Wjr, Wkrc, Wmca, Wnyc, Wor, Wqj, Wren, Wtam; 10:15, Wcco; 10:30, W[illegible]d; 10:45, Wls; 11, Kpg, Kfwa, Kfwb, Kpo, Webh, Wfaa, Wgbu, Who, Woc; 11:30, Kfoa; 11:45, Wdaf; 12, Kfwa, Kgo, Kgw, Knx, Wgbu, Wjjd.

Monday, March 22: 8, Wgcp; 9, Weei, Webu, Wjar, Wcr; 9 15, Wahg; 10, Kths, Wgbu, Wgcp, Wgr, Wnyc, Wpg; 10 15, Wor; 10.30, Kfoa, Wgcp, Whn; 11, Kgw, Koil, Wgbu, Wgcp, Wgr, Whn, Who; 11:45, Wdaf; 12, Knx, Kpo.

Tuesday, March 23: 9, Webh, Wgbu, Wmbb; 9:30, Weau, Wgbs, Wgy, Wip; 9.35, Wnyc; 10, Kfve, Wbbm, Weaf, Webh, Wgbu, Wgn, Whn, Wmca, Wnyc, Wpg; 10:15, Kths; 10:30, Kths, Whn; 10:45, Wsb; 11, Kgw, Koil, Wgbu, Kpo; 11:30, Kfoa; 11:45, Wdaf; 12, Kgw, Khj, Knx, Kpo, Wdaf; 1, Wqj.

Wednesday, March 24: 9, Wcx, W[illegible], Wgbu, Wgcp, Who, [illegible], Wmbb, Wmca, Wlic; 9:15, Wahg; 9:30, Wbap, Who, Wor; 10, Kfve, Wbap, Weaf, Wgbu, [illegible], Wqj; 10:05, Wcco; 10:30, Wbap, Who; 11, Koil, Kpo, Webh, Wgbu, Wgcp, Wgr, Whn; 11:45, Wdaf; 12, Kfwa, Knx, Kpo, Wjjd.

Thursday, March 25: 8, Wjr; 9, Webh, Weei, Wgbu, Whn, Wjr, Wmbb, Wsai, Wlaz; 9.05, Wbz, Wip; 9 [illegible], Wgbs, Wgy, Who; 9 [illegible], Wnyc; 10, Kths, [illegible], Weaf, Wgbu, Whn, Wmca, Wpg, Wqj; 10 30, Kths, Whn, Webh, Wgbu, Whn, Wor; 11 15, Wdaf; 12, Kgo, Khj, Knx, [illegible], Wjjd.

Friday, March 26: 8, Wqj; 9, [illegible], Webh, Weei, Wgbu, Wgcp, Wmbb; 9:15, Wahg; 9:30, Weau, Whn; 10, Kfve, Kpo, Kths, [illegible], Wgcp, Whn, Wgr, [illegible]; 10:05, Wcco; 10 30, [illegible], Whn; 11, Kfwb, Knx, Kpo.

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-640kc), 5:30-6 p. m., Owen Fallon's Californians; 6, nightly doings; 6:15, travel guide; 6:30, vest pocket program; 6:45, Radiotorial period; 7-8, old-time New England barn dance; 8 9, Packard Eight dance orchestra; 9-10, program, Walter M. Murphy Motors company, Misha Gegna orchestra; 10-11, program, Meiklejohn Brothers.
KFOA, Seattle, Wash. (454.3m-660kc), 12:30-1:30 p. m., Lions club program; 5.15-5.30, Around the Towne, KFOA; 7-8:15, Sherman Clay and company studio program; 8:30-10, Goodrich Silvertown Cord orchestra.
KFON, Long Beach, Calif. (232.4m-1280kc), 6-6:30 p. m., Brayton's theater organ; 6:30-7, amusement information; 7-8, investor's hour, with music; 8-9, Press-Telegram studio; 9-11, KFON studio program.
KFWB, Hollywood, Calif. (252m-1190kc), 6-7 p. m., dinner music, Fitzgerald Music company; 7:30-8, program, Dr. Ralph Mitchell and associated dentists; Friendly Dentists' orchestra; 8-9, Bill Hatch's Oakmont Country club orchestra; 9-10, program, Star Motor Car company, Million-Dollar Four orchestra; Tom Breneman, baritone; Sol Hoopii's Hawaiians; 10-11, Warner Brothers' frolic.
KGO, Oakland, Calif. (361.2m-830kc), 3-4 p. m., Mildred Wright, whistler; Ellen Clarke, pianist; Mrs. J. B Sarratt, singer; Doris Lee, pianist; 6-6:55, Wiley B. Allen company; 8, Arion trio.
KJR, Seattle, Wash. (384.4m-780kc), 8:30-10 p. m., Post-Intelligencer studio program.
KLX, Oakland, Calif. (508.2m-590kc), 6:30-7 p. m., Athens Athletic club orchestra; 8-9, program; 9-10:30, Lake Merritt Ducks.
KMTR, Hollywood, Calif. (238m-1260kc), 7:15 p. m., Y. M. C. A. musical program; 8-10, KMTR concert orchestra, Loren Powell, director; 10-11, Starr Piano company studio.
KNX, Hollywood, Calif. (336.9m-890kc), 5:30 p. m., Leighton's cafeteria orchestra; 6-30-7, Atwater Kent orchestra; 7-7:30, Mutual Motors mirth contest; 7:30-8, program, Overell's Furniture company; 8-9, program, L. W. Stockwell company; 9-10, KNX feature program; 10 11, Goodrich Silvertown Cord dance orchestra; 11-12, Ray West's Cocoanut Grove dance orchestra from Ambassador hotel.
KOWW, Walla Walla, Wash. (256.3m-1170kc), 8-10 p. m., program Walla Walla college; 10-11, Jensen's Varsity Vagabonds.
KPO, San Francisco, Calif. (428.3m-700kc), 1-2 p. m., Rudy Seiger's Fairmont hotel orchestra; 2:30-3:30, matinee program; 6.30-7, Waldemar Lind and the States restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel orchestra; 8-9, Uda Waldrop, organist; 9 10, KPO and KFI; 10-11, Cabirians' orchestra; 11-12, Henry Halsted's orchestra.
KTAB, Oakland, Calif. (239.9m-1250kc), 12-1 p. m., concert; 8-10, program.
KWSC, Pullman, Wash. (348.6m-860kc), 7:30-9 p. m., Clarkston Commercial club.

Tuesday, March 23

Headliners Today

Eastern Central Mountain Pacific
7:30 p. m. 6:30 p. m. 5:30 p. m. 4:30 p. m.
WEAO (293 9m-1020kc) Fraternity program.
WJZ (454.3m-660kc), WRC (468.5m-640kc), WGY (379.5m-790kc) U. S. Marine band.

Eastern Central Mountain Pacific
9 p. m. 8 p. m. 7 p. m. 6 p. m.
KDKA (309.1m-970kc) Opera quartet, Little symphony.
WIP (508.2m-590kc) Old songs and recitations.
WSB (428.3m-700kc) Dixie string band.
10 9 8 7
WBAL (245.8m-1220kc) Melodies of Not So Long Ago.
WHB (365.6m-820kc) McPherson college male quartet.
11 10 9 8
KGO (361.2m-830kc) Artur Argiewicz.
11:05 10:05 9:05 8:05
WCCO (416.4m-720kc) "A Step On the Stairs," mystery drama.

Tuesday, silent night for: CFCA, CHIC, CKNC, CKY, CNRC, CNRE, CNRM, CNRO, CNRW, CNRT, KFKX, KFKU, KUOA, KFUO, KFWA, KYX, KOA, KOAC, KOB, KOWW, KUOM, KTAB, KWSC, WABQ, WAHG, WAMD, WBBR, WCAD, WCAL, WCAP, WEMC, WGCP, WGST, WHAD, WHAZ, WJAD, WJAZ, WKAF, WKAQ, WLWL, WMAK, WMAZ, WOI, WOS, WRVA, WSMB, WSUI, WTAM, WTIC.

Eastern Time Stations

CKAC, Montreal, Can. (410.7m-730kc), 7:15 p. m., Windsor hotel dinner concert; Raoul Duquette, cellist; 8:30, special broadcast announced; 10:30, Windsor hotel grill room orchestra.
CNRA, Moncton, Can. (291.1m-1030kc), 7 p. m., juvenile program; 8, studio program; Marion Murray, pianist; Mrs. Gordon Armstrong, soprano; Prof. Joseph Surette, violinist; R. Gander, baritone; G. H. McQuarrie, banjoist; T. Walsh, contralto; 10, CNRA orchestra.
KDKA, Pittsburgh, Pa. (309.1m-970kc), 12:20 p. m., Trinity church Lenten service; 6:30, dinner concert; 8:30, sacred song half hour; 9, Little Symphony orchestra; Pittsburgh opera quartet; Etta Cunningham, soprano; Sarah Logan, contralto; Malcolm Thompson, tenor; Harve Lauderbaugh, bass; 11:35, concert, Grand theater.
WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., WBAL dinner orchestra; 7:30-8, WBAL quartet; 8-9, musicale, Leslie Frick, mezzo-soprano; George Bolek, pianist; James Wilkinson, baritone; 9-10, band concert; United States Naval academy band; 10-11, musical scenario, "Melodies of Not So Long Ago," Broughton Tall; vocal and instrumental artists; Joseph Swikert, narrator.
WBZ, Springfield, Mass. (333.1m-900kc), 6:45 p. m., Hotel Lenox ensemble; 7:15, Hotel Kimball orchestra; 8, special features.
WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert; 8, WEAF; 8:30 p. m., WEAF; 10, Moment's musicale; 11, Kenyon theater.
WCAP, Washington, D. C. (468.5m-640kc), 7-12:30 p. m., U. S. Navy band orchestra; WEAF; dance music, Company "C," 121st Engineers, National Guard.
WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30, Snellenburg Choral society; 8 15, The Three Brothers; 8:25, Theater Digest; 8:35, recital; 9, Malls' Merry minstrels; 9:30, Robert Fraser, blind Gospel singer; 10, Sam Gold, murmuring baritone; 10:30, Cathay Tea Garden dance orchestra.
WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., dinner program, Goldkette ensemble; 10-2 a. m., Red Apple club.
WEAF, New York, N. Y. (491.5m-610kc), 7:45-8 a. m., morning prayer services; 11, Marie Saumell, pianist; 11:25, Marie Saumell, pianist; 11:50, Marie Saumell, pianist; 12 noon, Lenten services, Greater New York Federation of Churches; 5 p. m., Vincent Lopez and orchestra; 6, dinner music, Hotel Waldorf-Astoria; 7, Alan Harris, songs; 7:10, Columbia university French course; 7:30, American composers' program; 8, musical program; 8.30, Gold Dust Twins, WEEI, WFI, WCAE, WGR, WWJ, WOC, WJAR, WCCO, WLIB, WEAR, KSD; 9, Eveready hour, WEEI, WFI, WCAE, WGR, WWJ, WOC, KSD, WJAR, WCCO, WTAG, WGN, WEAR, WSAI; 10, moment musicale, WEEI, WFI, WWJ, WGR, KSD WCAE, WEAR, WTAG; 10:30, Vincent Lopez and orchestra, WEEI, WFI, WWJ, WGR, KSD, WCAE, WTAG, WEAR; 11-12, Ross Gorman and orchestra.
WEAO, Columbus, Ohio (293.9m-1020kc), 7 p. m., chimes; 7:30, fraternity program.
WEBJ, New York, N. Y. (272.6m-1100kc), 7 p. m., Dan Barnett's orchestra; 7:30, Robert Soffer, pianist; 7:45, Kathryn Connolly, soprano; 8.15, W. H. Melvin, tenor, Norman Hennefeld, accompanist; 8:30, Raymond dance orchestra, direction Charles Reyman.
WEEI, Boston, Mass. (248.6m-860kc), 2.30 p. m., Adele Braham, soprano; 3:05, Eugene's singing orchestra;

FARMERS' PROGRAMS INDEX

Farmer Dinner Concerts

Daily Except Sunday

CENTRAL TIME
KFNF, 12:15-1:35 p. m.
KMA, 11:30-12:30
KSO, 12:30-1:30 p. m.
WLS, 12 noon.

Saturday, March 20

Eastern Central Mountain Pacific
1 p. m. 12 noon 11 a. m. 10 a. m.
KPRC (296.9m-1010kc) Farmers' educational and musical program.
1:45 12:45 p. m. 11:45 10:45
WOI (270m-1110kc) Soils, questions and answers.
8 7 6 p. m. 5 p. m.
KDKA (309.1m-970kc), Farm program.
9:05 8:05 7:05 6:05
KFAB (340.7m-880kc), "Preparing for State Fairs," L. Frisbie; "Increasing the Farm Income," H. Filley.
9:30 8:30 7:30 6:30
KFAU (280.2m-1070kc), Agricultural talk, question box.

Sunday, March 21

Eastern Central Mountain Pacific
3:30 p. m. 2:30 p. m. 1:30 p. m. 12:30 p. m.
WFAA (475.9m-630kc), Sunday hour for farmers.

Monday, March 22

Eastern Central Mountain Pacific
12 noon 11 a. m. 10 a. m. 9 a. m.
WRC (468.5m-640kc), Fifty Farm flashes.
1:15 p. m. 12:15 p. m. 11:15 10:15
WOC (483 6m-620kc), "Starting the Sows and Their Sucklers Off Right," John Evvard.
WEAO (293.9m-1020kc), Timely Economic Information for the farmer, C. J. West.
1:35 12:35 11:35 10:35
KSAC (340.7m-880kc), "Sorghum Seed Treatment," D. Porter. "Use Early Pastures with Care," J. Lumb.
1:45 12:45 11:45 10:45
WOI (270m-1110kc), "Some Common Animal Parasites," E. Benbrook.
WMAQ (447.5m-670kc), Radio farm school.
7 6 5 p. m. 4 p. m.
WGY (379.5m-790kc) Agricultural program.
7:45 6:45 5:45 4:45
WSOE (246m-1220kc) Hog Raising.
8 7 6 5
KFKU (275m-1090kc), "The Agricultural Situation," Prof. John Ise.
WOS (440.9m-680kc), Livestock questions and answers.
WTAG (267.7m-1120kc), "Raspberry Growing," W. H. Thies.
8:15 7:15 6:15 5:15
KSAC (340.7m-880kc) "Feeding the Lamb for the Early Market," H. Reed. "Rations Which Agree with Chicks," H. Steup.
8:30 7:30 6:30 5:30
KUOA (299.8m-1000kc), "Farm Filosofy," Cy Adams; "What I See As I Travel Over Southwest Arkansas," H. Thatcher. "What I See As I Travel Over Northwest Arkansas," J. Barnett. "What I See as I Travel Over Southeast Arkansas," E. Whitaker "What I See as I Travel All Over Arkansas," T. Roy Reid.
8:45 7:45 6:45 5:45
WCCO (416.4m-720kc) Farm lecture.
WOI (270m-1110kc), "Fertilize your Fruit Trees," Prof. Pickett.
WTIC (475 9m-630kc), "Why More Alfalfa Will Pay," Ben Southwick.
9:05 8:05 7:05 6:05
KFAB (340.7m-880kc), "Alfalfa and Clover Varieties," T. Kiesselbach. "What to Expect from Cherries," F. M. Coe.
10 9 8 7
KOAC (280.2m-1070kc) Agricultural question box. "Managing the Poultry Breeding Flock," A. Lunn.
10:30 9:30 8:30 7:30
KOAC (280.2m-1070kc), "Spring Management of Bees for Honey Production," H. Scullen.
10:45 9:45 8:45 7:45
KOAC (280.2m-1070kc), "What Does the Future Hold for the Apple Grower?" Clayton Long.
11:05 10:05 9:05 8:05
KGO (361.2m-830kc), Farm program.

Tuesday, March 23

Eastern Central Mountain Pacific
11:30 a. m. 10:30 a. m. 9:30 a. m. 8:30 a. m.
KFAB (340.7m-880kc), "How Much Do Our Pullets Cost?"
12 noon 11 10 9
WRC (468.5m-640kc) Fifty Farm flashes.
1:15 p. m. 12:15 p. m. 11:15 10:15
WEAO (293.9m-1020kc), "Vegetables," Getting the Jump on the Bugs, L. M. Montgomery.
WOC (483.6m-620kc) "International Poultry Parasites," A. Philips.
1:35 12:35 11:35 10:35
KSAC (340.7m-880kc) "Spring Care of the Strawberry Bed," A. Schoth
1:45 12:45 11:45 10:45
WMAQ, (447.5m-670kc), Radio farm school.
WOI (270m-1110kc), "Animal Husbandry," H. H. Kildee.
7:10 6:10 5:10 p. m. 4:10 p. m.
WEAO (293.9m-1020kc) "Fruits: the Question of Varieties," F. G. Charles.
7:15 6:15 5:15 4:15
WKAR (285.5m-1050kc), "Vaccination in Veterinary Practice," I. Huddleson.
7:30 6:30 5:30 4:30
WKAR, (285 5m-1050kc), "Poultry Plant Sanitation," James Boyd.
7:45 6:45 5:45 4:45
WKAR (285.5m-1050kc), "Getting More for Our Wool," V. Freeman.
8 7 6 5
KSAC (340 7m-880kc), "Making Butter and Cheese on the Farm," K. Renner.
9:30 8:30 7:30 6:30
KOA (322.4m-930kc), Farm question box, George Wheeler.
11 10 9 8
CNRV (291.1m-1080kc), "Fragrant [illegible] for Farm Firesides," F. E. Buck.

Wednesday, March 24

Eastern Central Mountain Pacific
12 noon 11 a. m. 10 a. m. 9 a. m.
WRC (468.5m-640kc), Fifty farm flashes
1:15 p. m. 12:15 p. m. 11:15 10:15
WOC (483.6m-620kc), "Profitable Dairy Feed for Every Month—November to May," O. Reed.
1:30 12:30 11:30 10:30
WFAA (475.9m-630kc), Sears-Roebuck Agricultural program.
1:35 12:35 11:35 10:35
KSAC (340.7m-880kc) "Repairing the Farm Machinery," Claude Shedd. "Dormant Spray," W. Martin.
1:45 12:45 11:45 10:45
WMAQ (447.5m-670kc) Radio Farm school.
WOI (270m-1110kc), Poultry husbandry.

Eastern Central Mountain Pacific
1:50 p. m. 12:50 p. m. 11:50 a. m. 10:50 a. m.
KFKX (288 3m-1040kc), "A B C's of Dairying," C. Long.
8 7 6 p. m. 5 p. m.
WOS (440.9m-680kc), Evening market hour, poultry questions and answers.
9:05 8:05 7:05 6:05
WTIC (475.9m-630kc) "Controlling Insect Pests," M. Swenk. "Dairy Dos and Don'ts," H Davis.
10:30 9:30 8:30 7:30
KWSC (348.6m-860kc), "Contribution of Science to the Dairy Industry," "Relation of Bacteriology to the Quality of Manufactured Dairy Products," E. Ellington. "Extension Work in 1925," W. Underwood.

Thursday, March 25

Eastern Central Mountain Pacific
12 noon 11 a. m. 10 a. m. 9 a. m.
WRC (468 5m-640kc) Fifty Farm flashes.
1:15 p. m. 12:15 p. m. 11:15 10:15
WEAO (293.9m-1020kc) "Fruits, How Shall we Cultivate?" Wendell Paddock.
WOC (483.6m-620kc) "The Soy Bean—Inoculation Makes More Valuable," J Hackelman.
1:35 12:35 11:35 10:35
KSAC (340 7m-880kc) "Fertilizers for the Vegetables and Flowers," E. Wells. "Farm Fences," W Ward.
1:45 12:45 11:45 10:45
WMAQ (447.5m-670kc) Radio farm school.
WOI (270m-1110kc), Farm crops.
7:15 6:15 5:15 p. m. 4:15 p. m.
WKAR (285.5m-1050kc) "Feeding Cows on Pasture," R. Addy "Milking Machines," J. Burnett. "Food Value of Milk," P. Lucas.
8 7 6 5
KSO (242m-1240kc) Farm talk.
WEAO (293.9m-1020kc) "Vegetables—Potatoes, More of Them per Acre," L. Montgomery.
8:30 7:30 6:30 5:30
WOI (270m-1110kc) "Soy Beans for Iowa," F. Wilkins.
9:30 8:30 7:30 6:30
KOA (322.4m-930kc) Farm question box.

Friday, March 26

Eastern Central Mountain Pacific
12 noon 11 a. m. 10 a. m. 9 a. m.
WRC (468.5m-640kc) Fifty Farm Flashes
1:15 p. m. 12:15 p. m. 11:15 10:15
WOC (483.6m-860kc) Special Farm Service Day.
KTHS (374.8m-800kc) Farmers' Radio Chautauqua.
1:35 12:35 11:35 10:35
KSAC (340 7m-880kc) "Getting Ready for Pasture," R. Kiser. "The Striped Ground Squirrel," Roy Moore.
1:45 12:45 11:45 10:45
WOI (270m-1110kc) Agricultural Economics.
7:15 6:15 5:15 p.m. 4:15 p. m.
WKAR (285.5m-1050kc) "Wheat and Chaff," H. Rather. "Potato Experiments and Breeding Work at Michigan Experiment Station," C Cormany. "Preparing Potato Seed for Planting," H. Moore. "Growing a Better Quality of Potatoes for Michigan's Markets," H Curtis.
7:30 6:30 5:30 4:30
KSAC (340.7m-880kc) "How Seeds Germinate," W. Davis. "Modern Beekeeping," Ralph Parker.
8 7 6 5
WOS (440.9m-680kc) Evening Market hour, Dairy questions and answers.
8:15 7:15 6:15 5:15
KSO (242m-1240kc) Farm talk.
8:30 7:30 6:30 5:30
WOC (483.6m-620kc) Question box.
8:35 7:35 6:35 5:35
WCCO (416.4m-720kc) Farm lecture
KWSC (348.6m-860kc) "Progress of Beekeeping Industry in Washington," B. M. Slocum.

Markets and Weather

Daily Except Sunday

Eastern Central Mountain Pacific
9:30 a. m. 8:30 a. m. 7:30 a. m. 6:30 a. m.
WOAW (526m-570kc) Markets.
9:45 8:45 7:45 6:45
KDKA (309.1m-970kc) Livestock, grain.
10 9 8 7
WLS (344.6m-870kc) Livestock, markets, fruit.
WOS (440.9m-680kc) Hogs.
10:30 9:30 8:30 7:30
WFAA (475.9m-630kc) Markets
10:45 9:45 8:45 7:45
WCCO (416.4m-720kc) Markets
WHO (526m-570kc) Opening grain quotations, New York and Chicago stock exchange. Livestock, weather, roads.
WMC (499.7m-600kc) Weather, markets.
11 10 9 8
WOS (440.9m-680kc) Weather, hogs.
11:15 10:15 9:15 8:15
WTAG (268m-1120kc) Markets, weather.
11:30 10:30 9:30 8:30
WCCO (416.4m-720kc) Markets
WEAR (389.4m-770kc) Markets, weather.
12 n. 11 10 9
KDKA (309.1m-970kc) Weather, livestock, grain.
WBAP (475 9m-630kc) Weather, cattle, grain
WLS (344.6m-870kc) Poultry, dairy, hogs, sheep.
WOS (440.9m-680kc) Livestock, poultry, eggs, grain
12:30 p. m. 11:30 10:30 9:30
WEAR (384.4m-780kc) Markets, weather.
WFAA (475 9m-630kc) Markets.
1 12 n. 11 10
WBAP (475 9m-630kc) Markets.
WHO (526m-570kc) Livestock, receipts. Weather, roads
WOS (440.9m680kc) Livestock, weather.
1:30 12:30 p. m. 11:30 10:30
KTHS (374 8m-800kc) Markets, weather, market, apples.
WOAW (526m-570kc) Markets.
1:45 12:45 11:45 10:45
KOA (322.4m-930kc) Weather, roads, livestock, poultry.
2 1 12 n. 11
WOC (483.6m-620kc) Weather, grain, livestock, dairy.
3 2 1 12 n.
WHO (526m-570kc) Livestock, Chicago and St. Louis closing cash market quotations, Chicago Board of Trade, N. Y. Stock exchange.
WLS (344 6m-870kc) Livestock, grain, dairy, fruit, vegetables.
WOS (440.9m-680kc) Livestock, markets, grain.
3:30 2:30 1:30 12:30 p. m.
WFAA (475.9m-630kc) Markets.
3:50 2:50 1:50 12:50
WWJ (352.7m-850kc) Weather, markets.
4 3 2 1
WCCO (416.4m-720kc) Markets.
WFAA (475.9m-630kc) Markets.
6:45 5:45 4:45 3:45
KSAC (340.7m-880kc) Market review.
8 7 6 5
KOA (322.4m-930kc) Sheep, markets, livestock, poultry.

PUPIL OF BRAHMS PLAYS AT KGO

Tuesday, March 23

1, Crimson Ramblers; 6:05, George Joy and Nell Cantor; 8-10:30, WEAF.

WFI, Philadelphia, Pa. (394.5m-760kc), 1 p. m., Tea Room ensemble; 3, Philadelphia Music club; 6:30, Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra; 8:30-11:30, WEAF.

WGBS, New York, N. Y. (315.6m-950kc), 10:30 a. m., Anne Allen, soprano; 3:10-3:30-3:50 p. m., B. Ahrens, baritone; 7, Arrowhead Inn concert orchestra; 8, Y. M. H. A. vocational forum; 8:30, Threshold players' production, direction Clare Tree Major; 9, Crystal Palace orchestra; 10:30, Arrowhead Inn dance orchestra.

WGCP, New York, N. Y. (252m-1190kc), 3 p. m., Norman Secon, pianist; 3:20, Isabelle Henderson, soprano; 3:35, Max Heith, violinist; 3:45, Twentieth Century entertainers; 4:10, Frankie Meadows, songs; 4:20, Leslie McLeod, tenor; 4:30, Katherine Adolph, soprano; 4:45, Ukulele Bob McDonald.

WGHB, Clearwater, Fla. (266m-1130kc), 6:30-7:30 p. m., Harold Crocker's Gater orchestra; 7:30-7:45, Giles W. Quarles, "King of the Mandelalie"; 8:30-9:30, Florence Ailin, soprano, Mary Douglas, accompanist; 11:45-1 a. m., Harold Crocker and his Gater orchestra.

WGR, Buffalo, N. Y. (319m-940kc), 2:30 p. m., WGR's afternoon program; 6:30, Vincent Lopez's Hotel Statler dance orchestra, Harold Gieser, director; 8, WEAF.

WGY, Schenectady, N. Y. (279.5m-790kc), 2 p. m., Julia Seifert, violinist; 2:30, Stephan E. Boisclair, organist; 6:30, Porter E. Potts' Hotel Van Curler orchestra; 7:45, WRC; 8:30, WJZ; 9, WJZ; 9:40, song recital, Miriam Nelson Park, Ellen Waite, accompanist; 10, "Grand Tour," WJZ.

WHAR, Atlantic City, N. J. (275m-1090kc), 2 p. m., Seaside hotel trio; 7:30, "Glimpses Through the Stage Door," Mort Eiseman; 8, Seaside hotel trio.

WHN, New York, N. Y. (361.2m-830kc), 12:30 p. m., Lexington organ recital; 2, Loew's State theater overture and vaudeville; 3:15, Lexington orchestra; 4, tea time hour; 6, Treasureland Neighbors; 6:30, Everglades orchestra; 7, Iceland orchestra; 7:30, Will Oakland's chateau; 8, people's hour; 11:30, Al Raymo's entertainers; 12, Harry Richman and his entertainers.

WIP, Philadelphia, Pa. (508.2m-590kc), 1 p. m., organ recital; 3:15, Velov Saxophone sextet; 6:05, Monte Cross, "old-timer"; 6:15, Nelson Maples and his S. S. Leviathan orchestra; 8:15, program, International Students' House of University of Penna.; 9, old songs and recitations, Frances G. Kinsley Entertainment company; 10:05, Emo's weekly movie talk; 10:30, Pagoda cafe orchestra.

WJAR, Providence, R. I. (305.9m-980kc), 1:05 p. m., Providence Biltmore concert orchestra; 7:30, musical program; 8:30, WEAF; 9, WEAF.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Glover-Watson square dance orchestra; 8, Jean Goldkette's orchestra.

WJZ, New York, N. Y. (454.3m-660kc), 12 noon, Trinity Lenten service; 1 p. m., Hotel Pennsylvania luncheon orchestra; 4:35, Hotel Commodore concert orchestra; 7:30, WRC; 8:30, Deltah half hour of romance, "Gems of Romance," WGY; 10:45, George Olsen's Pennsylvania grill orchestra.

WLIT, Philadelphia, Pa. (394.5m-760kc), 11 a. m., organ recital; 12:20, Lenten services; 12:35, Arcadia cafe concert orchestra; 2, Arcadia cafe concert orchestra; 4:30, recital; 7:30, Dream Daddy's bedtime stories.

WLWL, New York, N. Y. (288.3m-1040kc), 9 p. m., piano; 9:30, Premier male quartet; 9:45, music; 10:15, Premier male quartet; 10:30, The Commonweal.

WMAK, Buffalo, N. Y. (266m-1130kc), 6:15-7:15 p. m., dinner music.

WMCA, New York, N. Y. (340.7m-880kc), 11 a. m., Ida Bailey Allen's homemaker hour; 12 noon, Jack Cohen, popular pianist; 6 p. m., Olcott Vail and his Hotel McAlpin string ensemble; 6:30, Parody orchestra; 7:30, Twin Oaks orchestra; 7:45, Arthur West's sirens; 8, Pace institute program; 10:30, Tango orchestra; 11, Ernie Golden and his Hotel McAlpin orchestra; 12, McAlpin entertainers.

WNYC, New York, N. Y. (526m-570kc), 7:10 p. m., The Canadians; 8, orchestral program; 9, song recital; 9:45, piano and violin recitals.

WOO, Philadelphia, Pa. (508.2m-590kc), 11 a. m., organ recital; 12:02 p. m., Golden's crystal tea room orchestra; 4:45, organ recital; 7:30, Sesqui-Centennial concert.

WOR, Newark, N. J. (405.2m-740kc), 6:40 p. m., studio program; 7, Copenhagen quartet.

WPG, Atlantic City, N. J. (299.8m-1000kc), 6:45 p. m., Arthur Scott Brook, organist; 7, Elks home dinner music; 8:15, Cecile Steiner, violinist; Margaret Irwin, pianist; Reed Hamilton, baritone; 9, Chalfonte-Haddon Hall dual trio; 10, Hotel Traymore grill dance orchestra; 10:30, Karl Bonawitz, pianist; 11, Silver Slipper supper club.

WRC, Washington, D. C. (468.5m-640kc), 12:30 p. m., Lenten service, Keith's theater; 1, Hotel Washington orchestra; 7:30, United States Marine band, WJZ, WGY; 10:30, W. Spencer Tupman and his Hotel Mayflower orchestra.

WTAG, Worcester, Mass. (268m-1120kc), 12:05-2 p. m., WTAG orchestra; 8-9, concert program; 9-11, WEAF.

WTAM, Cleveland, Ohio (389.4m-770kc), 12:15-1:30 p. m., Guy Lombardo and his Royal Canadians; 6-7, Guy Lombardo and his Royal Canadians.

WWJ, Detroit, Mich. (352.7m-850kc), 12:05 p. m., Jules Klein's Hotel Statler orchestra; 3, Detroit News orchestra; 6, dinner concert; 8, WEAF.

Central Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., dinner concert; 8:30-10:30, University of Nebraska.

KLDS, Independence, Mo. (440.9m-680kc), 6:30 a. m., devotional service; 8:15 p. m., Glenn Bennion, tenor; J. M. Sexton, bass; Mrs. J. M. Sexton, soprano; Virginia Henry, contralto; Velma Young, pianist; Harry Stockwell, baritone; John Wahlstadt, tenor; George Howerton, organist; 11:59, midnight program; Herbert Johnson, boy organist.

KMA, Shenandoah, Iowa (252m-1190kc), 6-7 p. m., May Flower trio; 9-11, May's mandolin musicians.

KMOX, St. Louis, Mo. (280.2m-1070kc), 12:30 p. m., Arthur Utt, organist; 6, Arthur Utt; 6:30, Mrs. Jaques Landree, organist; 7, orchestra; Dwight Nelson, tenor; 8, operalogue, "Faust," Luciano Carosio, Italian tenor; orchestra; 9, "Colonel 6121"; orchestra; old-time dance music; J. O. Sturdy; 10, orchestra; Hausman Brothers, banjo specialists.

KPRC, Houston, Tex. (296.9m-1010kc), 7:30 p. m., Billie Mack's orchestra; 8:30, Frank Tilton, pianist.

KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., WEAF.

KSO, Clarinda, Iowa (241.8m-1240kc), 7-7:15 p. m., Finley and Hutchings; 7:30-9:30, Berry's orchestra.

KUOA, Fayetteville, Ark. (299.8m-1000kc), 8 p. m., Harry E. Shultz, baritone.

KYW, Chicago, Ill. (535.4m-560kc), 12:05-1 p. m., concert, Commonwealth Edison company; 1-2, Joska De-Babary and his orchestra, Congress hotel; Coon-Sanders; 4, afternoon frolic; 6-7, dinner concert, KDKA; 8-9, musical program, KYW; Henrietta Nolan, violinist; Banjo Bill Hald; Eulale Kober Stade, pianist; Melody quartet; 9, music, KYW, Commonwealth Edison company; 10-12, KYW; 11, Coon-Sanders orchestra; 1 a. m., Insomnia club, Coon-Sanders orchestra.

WBAP, Fort Worth, Tex. (475.9m-640kc), 12:05-12:30 p. m., musical program; 6-6:30, Chief Gonzale's Texas hotel orchestra; 7:30-8:30, Prof. J. B. Tallliferro, pianist; 9:30-11, concert, College of Industrial Arts of Denton, Tex.

WBBM, Chicago, Ill. (226m-1330kc), 4-6 p. m., Sandy and Harry; Arnold Stephenson; Sidney Nireman, pianist; Harold Morava, tenor; Russel Myers; 8-9, Sandy and Harry; Moulin Rouge orchestra; Phil Flemming, tenor; Jean St. Anne, French baritone; Christian A. Grimm, composer-pianist; Bob York, tenor; 9-12, Jack Crawford's orchestra; Ariston trio; Barber Shop Three; Pete Kules; Ziegler Sisters; Vorris Worthley, tenor; Two Jays; Charlie Garland; Floyd Falch; Vivian Sheffer, contralto.

WCBD, Zion, Ill. (344.6m-870kc), 8 p. m., mixed quartet, cornet quartet; Mrs. Thomas, Mrs. La Rose, duets; Ida Peterson, soprano; Carl Newcomer, saxophonist; George Beem, marimba soloist; Alice Peters, violinist; Richard F. Hire, pianist; Mrs. Hulda Klammer, reader.

WCCO, Minneapolis-St. Paul, Minn. (316.4m-720kc), 2:30 p. m., Dick Long's trio; 7-9, WEAF; 10:05, "A Step On the Stairs."

WEBH, Chicago, Ill. (370.2m-810kc), 3-4 p. m., special features; 7, Oriole concert orchestra; 8, Oriole marimba band, special numbers; Kathryn Forbes, soprano; 9-9:45, musical bits, Balaban and Katz's Uptown theater; 11, Oriole orchestra, dance music; 12:30 a. m., Bernard Weber, tenor; Oriole trombone duo; Mark Fisher, songster.

WFAA, Dallas, Tex. (475.9m-630kc), 12:30-1 p. m., Jeff J. Sandell, pianist and monologuist; 1:30-2, Edgar Norris, pianist and singer; 2:30-3, Baker hotel Symphony Five; 3:30-4, Arthur Emerson, tenor; Maris Cruz, pianist; 4:30-5, Ewen Hail, tenor; Johnye Davis, pianist; 6:30-7:30, Baker hotel orchestra; 8:30-9:30, School of Music, Southern Methodist university; 11-12, Anna Pinkerton Baker, singer; 12-12:30 a. m., Harold Clark, tenor; Noel Shaw, pianist.

WGBF, Evansville, Ind. (236.1m-1270kc), 12:20 p. m., frolic; 8, A. L. Maxwell company musical program; 9, musical program.

WGES, Oak Park, Ill. (250m-1200kc), 5-7 p. m., tenor, organ, features; 8-9, flute duo, orchestra pipe organ; 11-1 a. m., pipe organ, tenor, soprano, features.

WGN, Chicago, Ill. (302.8m-990kc), 12:40-2:30 p. m., concert, Drake concert ensemble, Blackstone string quintet; 2:30-3, Lyon and Healy artists; 3-3:30, Bridge luncheon; 3:30-4:15, Tea Time music, Marshall Fields tea room orchestra; 4:30-5, organ recital, Edward Benedict; 6:30-6:45, Drake concert ensemble, Blackstone string quintet; 6:45-7, old-time favorites; 8-9, WEAF; 9-10, popular program; 10-10:10, Sam 'n' Henry; 10:10-10:20, old-time favorites; 10:20-10:40, the Playshop; 10:40-11, popular program.

WHAD, Milwaukee, Wis. (275m-1090kc), 6:15-10 p. m., Wisconsin artists' series.

WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., Eddie Rosson and his orchestra.

WHB, Kansas City, Mo. (365.6m-820kc), 7-8 p. m., organ, Morrill Moore; 8-9, August Zander, bass, George Howerton, accompanist; Elite quartet; 9-10, McPherson college male quartet.

WHO, Des Moines, Iowa (526m-570kc), 7:30-8 p. m., Raleigh quintet; 8-9, varied musical program; 11-12, Bankers Life "Corn Sugar" orchestra.

WHT, Chicago, Ill. (399.8m-750kc), 12 m., Al Carney's complimentary organ recital; 6, dinner organ recital, Al Carney; 6:40, Grayling's string trio; 6:50, Diamond quartet Loftis; 9:15, (238m-1260kc), Cinderella cafe orchestra; 9:35, Kitchen Klenzer entertainers; 9:50, Howard Sershon, tenor; Al Carney, organist; Jack Marshall, pianist; 10:10, dance music; 12, Pat Barnes and Al Carney.

WIBO, Chicago, Ill. (225.4m-1330kc), 2-4 p. m., program for shut-ins; Ted Fiorito, pianist; Dan Russo, violinist; Marie Tully, songs; Wayne Myers, reader; Ed Wallace, songster; Jennie Navigato, soprano; 6-8, dinner concert; Chester Newman, baritone; Bernice Taylor, soprano; Charlotte Edwards, contralto; Eugene Wallenius, baritone; Ruth Buhl Flick, reader; Helen Collar, pianist; string trio; 12, midnight jamboree; Dan Russo, violinist; Ted Fiorito, pianist; Marie Tully, songs; Wayne Myers, reader; Ruby Rossini songster; Russell Duke, Gail Bandell, Jimmy Cairns, Harry Davis.

WJAD, Waco, Tex. (352.7m-850kc), 8:30-10 p. m., WEAF; 9-9:30, WEAF; 10-11, musical program, Crescent orchestra.

WOK, Chicago, Ill. (217.3m-1300kc), 4:30-7 p. m., Capitol theater organ; Pat Hoster, tenor; 10-1:30 a. m., Tearney's Town club orchestra; Carl Lorraine's Pershing Palace orchestra; Husk O'Hare's Cocoanut Grove orchestra; Capitol theater program; studio program.

WOOD, Grand Rapids, Mich. (242m-1240kc), 9-10 p. m., "Ye Olde Tyme Songe Feste," Claude Lee, Roy Clark, Emma Rola, Sally Simpkins, Beth Garrison, Regent little symphony orchestra; 10-11, Van Wyck instrumental quartet; Ruth, Rolland, Paul and Loren Van-Wyck; 11-12, Henry Ford old-time dance, Bill Dallavo and his orchestra.

WORD, Batavia, Ill. (275m-1090kc), 7 p. m., Public Service company; 7:45, Bible; 11-11:45, Public Service company program.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Jack Chapman and his Rainbo Gardens concert orchestra; Anne Brownstein, pianist; Kenneth Sterling, baritone; Leo Miller, violinist; Milton Sherman, pianist; Kane McDuffee, whistler; 10-1 a. m., Jack Chapman and his Rainbo Skylarks; Jerry Sullivan, Rose Vanderbosch; Hal Lansing and his uke; Everett Opie, character reader; Merrill Carder, baritone; Ila Shannabrook, soprano; Will Rossiter; Romo Vincent, boy baritone; Johnny Poat, baritone; Tell Taylor; Harold Olson, baritone; artists; 1-2, Ginger hour, Jack Chapman, the Ginger man; Little Skylarks.

WRR, Dallas, Tex. (245.8m-1220kc), 6-7 p. m., Jack Gardner's orchestra; 8-9, musical program, Montgomery, photographer.

WSAI, Cincinnati, Ohio (325.9m-920kc), 5:30 p. m., twilight musicale; 7, Mabley and Carew orchestra; 8, WEAF; 9:30, Hawaiian guitars.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., Dixie string band; 10:45, Yaarab temple band.

WSM, Nashville, Tenn. (282.8m-1060kc), 10 p. m., Beasley Smith's orchestra.

WSOE, Milwaukee, Wis. (245.8m-1220kc), 9 p. m., classical musical program.

WSUI, Iowa City, Iowa (483.6m-620kc), 12:30 p. m., Esther Dyke, soprano.

Mountain Time Stations

CNRR, Regina, Can. (476m-640kc), 8 p. m., studio concert program.

KFAU, Boise, Idaho (280.2m-1070kc), 7:30 p. m., children's program, Margaret Cunningham; 8:10, program.

KFWA, Ogden, Utah (260.7m-1150kc), 4-5 p. m., organ recital, Paramount theater; 5-6, Ogden Radio dealers program.

KFXF, Colorado Springs, Colo. (250m-1200kc), 8:30 p. m., Clifford Brown, Fred Webber, Allen Mathies, Kenneth Brown, quartet; Mary Smith, soprano; Daisy Ann Thompson, contralto; Bennie Wreath, violinist; Frances Curtis, pianist.

KOA, Denver, Colo. (322.4m-930kc), 12:15 p. m., Rialto theater organ recital, Marjorie Nash; 6:30, Brown Palace string orchestra.

Pacific Time Stations

CNRV, Vancouver, Can. (291.1m-1030kc), 3:30 p. m., musical program; 8:30, Anthony Pallas, Harold Hamer, Hawaiian guitarists; John Ternstrand, tenor; 10:30, Cabaret Belmont orchestra; Bebe Mullar, soprano.

KFI, Los Angeles, Calif. (467m-640kc), 5:30-6 p. m., Charles Beauchamp, tenor; 6, nightly doings; 6:30, vest pocket program; 6:45, Radiotorial period; 7-8, dance music; 8-9, Screen Artists' instrumental quartet, Virginia Flohri, soloist; 9-10, Louise Klos trio; harp, cello and violin; 10-11, Packard ballad hour of popular song hits.

KFOA, Seattle, Wash. (454.3m-660kc), 12:30-1:30 p. m., Kiwanis club program; 5:15-5:30, Around the Towne, KFOA; 7-8:15, Olympic Calpet Refining company; 8:30-10, Rhodes department store; 10-11, Jaskie Souder's Club Lido serenaders.

KFON, Long Beach, Calif. (232.4m-1280kc), 6-6:30 p. m., Brayton's theater organ; 6:30-7, amusement bulletin; 7-8, studio program; 8-9, Press-Telegram studio; 9-11, Long Beach Aero club frolic.

KFWB, Hollywood, Calif. (252m-1190kc), 6-7 p. m., dinner music, Fitzgerald Music company; 8-9, Patrick-Marsh dance orchestra; 9-10, program, Alexandria Tailors; Dave Ward and his banjo; Alexandria Tailors' orchestra; 10-11, Warner Brothers frolic.

KGO, Oakland, Calif. (361.2m-830kc), 4-5:30 p. m., Hotel St. Francis concert orchestra; 8-9, Eveready program; Artur Argiewicz, violinist; Lev Shorr, pianist; 9:10-9:30, Ricketty Racketty Radio minstrels; 10-12, Girvin-Deuel's California Collegians.

KHJ, Los Angeles, Calif. (405.2m-740kc), 8-10 p. m., program, Builders Finance association; 10-11, Don Clark's Biltmore hotel dance orchestra.

KJR, Seattle, Wash. (384.4m-780kc), 7-8:30 p. m., musical program, Cornish school; 8:30-10, Puget Sound Savings and Loan association orchestra.

KMTR, Hollywood, Calif. (238m-1260kc), 6-7 p. m., Starr Piano company studio; 8-10, KMTR concert orchestra.

KNX, Hollywood, Calif. (336.9m-890kc), 5:30 p. m., Leighton's cafeteria orchestra; 6:30-7, Atwater Kent orchestra; 7-7:45, program, Roy L. Donley, Inc.; 8-9, program, Globe Ice Cream and Weber Bread companies' Killgrove's Junior Symphony; Tom Mitchell, baritone; 9-10, program, Western Auto Supply company's Western Giant Cord orchestra; J. Howard Johnson, tenor; 10-12, movie night, Ambassador hotel, Ray West's Cocoanut Grove dance orchestra.

KPO, San Francisco, Calif. (428.3m-700kc), 1-2 p. m., Rudy Seiger's Fairmont hotel orchestra; 2:30-3:30, matinee program; 3:30-4:30, Cyrus Trobbe's Palace hotel orchestra; 6:40-7, Waldemar Lind and the States Restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel orchestra; 8-9, studio program; 9-10, Mona Motor Oil trio and Gypsy and Marta close harmony team; 10-11, Palace hotel orchestra; 11-12, Henry Holsted's orchestra.

KPSN, Pasadena, Calif. (315.6m-950kc), 8-9 p. m., Adolf Tandler instrumental group.

KTAB, Oakland, Calif. (239.9m-1250kc), 12-1 p. m., concert.

CLASSICAL CONCERTS INDEX

Saturday, March 20

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.
WCX, WEAF, WMCA, WREO.			
7	6	5	4
KGO, KYW, WEAR, WENR, WMAQ, WNYC, WOAW, WOK, WRC.			
8	7	6	5
KDKA, KFNF, KOIL, KSD, KYW, WBBR, WGN, WMBB, WNYC, WOAW, WQJ.			
9	8	7	6
KFOA, KPRC, KHJ, KYW, WHAS, WIP, WLW, WORD, WSAI, WSOE.			
10	9	8	7
KNX, KYW, WEAF, WMAQ, WMC, WOAW, WOC, WORD.			
11	10	9	8
KGO.			
12 m	11	10	9
WOAW.			

Sunday, March 21

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.
WCAU.			
7:20	6:20	5:20	4:20
WCAE, WCAU, WEAF, WEAR, WEEI, WJAR, WTAG, WWJ.			
8	7	6	5
KYW, WAMD, WBZ, WEAR, WGBS, WGCP, WKAQ, WLS, WORD.			
9	8	7	6
KFDM, KPRC, KSD, WBZ, WCAU, WCBD, WCCO, WEAR, WGY, WHAR, WHT, WNYC, WQJ.			
9:15	8:15	7:15	6:15
WEEI, WJAR, WTAG.			
10	9	8	7
KHJ, KNX, KTHS, KYW, WCCO, WFAA, WNYC, WOC, WQJ, WSOE.			
11	10	9	8
KFVE, KHJ, KNX, KPO, KTHS, KYW, WHN, WKRC, WOC.			
12 m	11	10	9
KHJ, KNX, WOC.			
1 a. m.	12 m	11	10
KNX.			

Monday, March 22

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.
KGO, WCX, WEAF, WMCA, WREO, WWJ.			
7	6	5	4
KMA, WCCO, WEAF, WEAR, WHAD, WJR, WOAW, WOK.			
8	7	6	5
KFNF, KSD, WBBR, WBZ, WCAU, WCX, WHAR, WHT, WJAR, WLW, WMBB, WTAG, WTIC.			
9	8	7	6
KFOA, KGO, KHJ, KPRC, WBBR, WCCO, WBZ, WCAE, WEEI, WHAD, WHO, WJAR, WLW, WORD, WOS.			
10	9	8	7
KMA, KPO, KPRC, KSD, KTHS, WAMD, WCCO, WEAF, WHAD, WJAR, WOAW, WSUI, WTAG.			
11	10	9	8
KGW, KHJ, KMA, KSD, KTHS, KWSC, WHN, WSAI.			
12 m	11	10	9
KGW, WBAP, WSAI.			
1 a. m.	12 m	11	10
KHJ.			

Tuesday, March 23

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.
WBZ, WCX, WEAF, WMCA, WREO, WWJ.			
7	6	5	4
KGO, KMA, WEAR, WEBJ, WGBS, WHAD, WJR, WMAQ, WOAW, WOK, WOR, WTIC, WWJ.			
8	7	6	5
KFNF, KSD, KYW, WBZ, WCAE, WCAU, WCX, WEAR, WEEI, WGR, WHAR, WHT, WLS, WMBB, WQJ, WRC, WTIC.			
9	8	7	6
KFDM, KFNF, KFOA, KGO, KHJ, KSD, KYW, WBAP, WBZ, WCAU, WDAF, WEEI, WHAD, WJAR, WMAQ, WMCA, WSAI.			
10	9	8	7
KFAB, KFDM, KOA, WCCO, WHAD, WMAQ,			
11	10	9	8
KFMX, KHJ, KNX, KPO.			
12 m	11	10	9
KPO.			

Eastern	Central	Mountain	Pacific
9 p. m.	8 p. m.	7 p. m.	6 p. m.
KFDM, KFOA, KGO, KHJ, KLDS, KYW, WCAE, WCBD, WCCO, WEAF, WEEI, WGR, WHAS, WJAR, WLW, WMAQ, WOC, WORD, WTAG.			
10	9	8	7
KFAB, KFDM, KFUO, KMA, KNX, KPRC, KTHS, WCAE, WCCO, WEAF, WEAR, WEEI, WLW, WMCA, WOC, WSAI, WSOE, WTAG.			
11	10	9	8
KGO, KHJ, KMA, KYW, WSAI.			
12 m	11	10	9
KPO, KYW, WHO, WMC.			

Wednesday, March 24

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.
WCX, WEAF, WMCA, WREO, WWJ.			
7	6	5	4
KGO, WEAR, WHAD, WJR, WMAQ, WOK, WTIC.			
8	7	6	5
KFNF, KPRC, KSD, KYW, WAMD, WBZ, WCX, WEAF, WEEI, WHT, WLW, WMBB, WMCA, WQJ, WTAG, WWJ.			
9	8	7	6
KFOA, KGO, KPRC, KSD, KYW, WBZ, WCCO, WDAF, WEEI, WGR, WHAD, WHAS, WJAR, WMAQ, WOR, WOS, WORD.			
10	9	8	7
KFMX, KMA, KNX, KTHS, WAMD, WCCO, WEAF, WEEI, WGR, WHAD, WJAR, WLS, WMAQ, WNYC, WOC, WSOE.			
11	10	9	8
KGO, KGW, KMA, KPO, KTHS, WCAE, WLS, WLW, WOC, WSAI.			
12 m	11	10	9
KGW, KPO, WHAD, WLW.			
1 a. m.	12 m	11	10
WLW.			

Thursday, March 25

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.
WBZ, WCX, WEAF, WIP, WMCA, WREO, WWJ.			
7	6	5	4
KGO, KSD, WEAF, WEAR, WGBS, WHAD, WJR, WMAQ, WOAW, WOK, WWJ.			
8	7	6	5
KYW, WBBR, WBZ, WCAU, WCCO, WCX, WEAR, WEEI, WGR, WGY, WHAR, WHT, WLS, WLW, WMBB, WOAW, WQJ, WTAG, WTIC.			
9	8	7	6
KHJ, KLDS, WBAP, WCAE, WCAU, WCBD, WCCO, WEAF, WEEI, WGR, WHAR, WHAS, WJAR, WNYC, WOC, WORD, WRC, WSAI, WSB, WTAG.			
10	9	8	7
KNX, KPRC, KTHS, KYW, WAMD, WGR, WGY, WHAD, WMC, WOAW, WOC, WSAI.			
11	10	9	8
KGO, KPO, KTHS, WBAP, WKRC.			
12 m	11	10	9
KGW, KPO, WHO, WKRC.			

Friday, March 26

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.
KGO, WCX, WMCA, WREO, WWJ.			
7	6	5	4
KGO, WEBJ, WGY, WHAD, WJR, WMAQ, WOAW, WOK, WOR, WTIC.			
8	7	6	5
KYW, WAHG, WAMD, WBZ, WCAU, WCX, WEBJ, WEEI, WHT, WLS, WQJ, WWJ.			
9	8	7	6
KFDM, KFNF, KFOA, KGO, KHJ, KSD, KYW, WBAP, WBZ, WCAU, WDAF, WEEI, WHAD, WJAR, WMAQ, WMCA, WSAI.			
10	9	8	7
KFAB, KFDM, KOA, WCCO, WHAD, WMAQ,			
11	10	9	8
KFMX, KHJ, KNX, KPO.			
12 m	11	10	9
KPO.			

Wednesday, March 24

Headliners Today

Eastern	Central	Mountain	Pacific
8 p. m.	7 p. m.	6 p. m.	5 p. m.
WGR (319m-940kc) Audubon Terrace Meadowlarks.			
WHB (365.6m-820kc) Old favorite songs.			
9	8	7	6
KDKA (309.1m-970kc) Balcony scene from "Romeo and Juliet."			
9:30	8:30	7:30	6:30
WGHB (266m-1130kc) "The Virginia Girl" and her uke.			
10:15	9:15	8:15	7:15
KOA (322.4m-930kc) Mock trial.			
11	10	9	8
WSM (282.8m-1060kc) Shriners.			
12	11	10	9
KFWA (260.7m-1150kc) Merry Mad Music Makers.			
1:30 a. m.	12:30 a. m.	11:30	10:30
KJR (384.4m-780kc) "Keep Joy Radiating Order of Bats."			

Wednesday, silent night for: CHIC, CKNC, CNRA, CNRC, CNRE, CNRM, CNRR, CNRT, CNRV, KFAU, KFDM, KFEQ, KFKU, KUOA, KFXF, KGO, KLDS, KMMJ, KOB, KPSN, KTAB, WABQ, WBAL, WBAP, WBBR, WCAD, WCAL, WCBD, WEBW, WFAA, WGBF, WGBS, WGCP, WGST, WHAR, WHAZ, WIP, WJAD, WJAZ, WLWL, WMC, WOAI, WOAW, WOI, WPG, WRC, WREO, WRR.

FAMOUS SPRING SONGS THROUGH WOS

Wednesday, March 24

Eastern Time Stations

CKAC, Montreal, Can. (410.7m-730kc), 1:45 p. m., luncheon music.

CNRO, Ottawa, Can. (434.5m-690kc), 8 p. m., Chateau Laurier concert orchestra; 8:45, Trio Nolet, M. Edouard Gosselin, violinist; M. Victor Nolet, violincellist; Madame Victor Nolet, pianist; Chateau Laurier dance orchestra.

KDKA, Pittsburgh, Pa. (309.1m-970kc), 12:20 p. m., Trinity church Lenten services; 6:30, dinner concert; 9, Little Symphony orchestra; Barbara Bess Wellman, contralto; Ray W. Penn, baritone; balcony scene from "Romeo and Juliet," Grace Thomson and Frederick G. Rodgers.

WBZ, Springfield, Mass. (333.1m-900kc), 6:30 p. m., Hotel Kimball orchestra; 6:45, Hotel Lenox ensemble; 7, Hotel Kimball orchestra; 8, Aurelia Cormier, lyric soprano; Alwyn E. W. Bach, baritone; 8:30, accordion selections, Angelo Catterucci; 8:45, Wesley Merritt, pianist; 9, WBZ concert company; 10:05, Leo Reisman and his Hotel Brunswick orchestra.

WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert, William Penn hotel; 8, WEAF; 8:30, WEAF; 9, quartet; 10, Kramer's orchestra.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:45 p. m., dance orchestra; 7:35, recital, N. Snellenburg and company; 8:10, Kane's Musical Night's adventures; 10:30, Carl Zoehrns and Lou Herscher; 10:45, Frank Cook, old-time songs; 11, Artie Bittong's Cheer-up club.

WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., dinner program, Goldkette ensemble; 8-9, program.

WEAF, New York, N. Y. (491.5m-610kc), 7:45-8 a. m., morning prayer services; 11:05, Irving Cresse, pianist; 11:30, Irving Cresse, pianist; 11:40, Columbia university lecture; 12 noon, Lenten services, Greater New York Federation of Churches; 4 p. m., Ray Nichols' Recording orchestra; 4:30, Lulu Phillips, soprano; 4:45, story hour of New York Public Library; 5, Vincent Lopez and orchestra; 6, dinner music, Hotel Waldorf-Astoria; 7, synagogue services, United Synagogue of America; 7:30, chamber musicale; 8, Two-in-One Man and Shinola Boys, WTAG, WCAE, WSAI, WCAP, WJAR, WWJ, WEEI, WOO, KSD, WOC, WCCO; 8:30, Davis saxophone octet, WOO, WCAE, WSAI, WCAP, WJAR, WTAG, WEEI, WGR; 9, Ipana Troubadours, WEEI, WCAP, WWJ, WCCO, WGR, KSD; 10, "A Trial by Jury," Gilbert and Sullivan operetta; 11-12, Hughie Barrett and orchestra.

WEAO, Columbus, Ohio (293.9m-1020kc), 8:15 p. m., Martins Melody orchestra; 8:45, Martins Melody orchestra.

WEBJ, New York, N. Y. (272.6m-1100kc), 8 p. m., Kenwood Klub orchestra; 8:45, Anthony Wayne, the singing reporter; 9, Ruth Pachner, soprano, accompanied by Lillian Kroll; 9:15, McLean's dance orchestra.

WEEI, Boston, Mass. (248.6m-860kc), 3:05 p. m., E. Payson Re and his orchestra; 6:13, Joe Rines and his Hunters' Cabin orchestra; 8-10, WEAF.

WFI, Philadelphia, Pa. (394.5m-760kc), 1 p. m., Tea Room ensemble; 3, Ethel P. Echard, soprano; Laurence J. Mellon, baritone; Kathryn Martin, accompanist; 6:30, Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra.

WGBS, New York, N. Y. (315.6m-950kc), 3:10 p. m., Hilda Bergsoll, mezzo-soprano; 3:30, Hansen and Howard; 6:30, Jersey Collegians; 7, inspirational half hour.

WGCP, New York, N. Y. (252m-1190kc), 3 p. m., Eva Rothenberg, pianist; 3:20, Bobby Grey, songs; 3:45, "Three Harps"; 4:10, Al Wilson's entertainers; 4:30, Jeanne A'Dair, composer; 4:45, Tracy Mohr; 5:10, Ora Welsh, pianist; 7, studio program.

WGHB, Clearwater, Fla. (266m-1130kc), 6:30-7:30 p. m., Graham Prince and his orchestra; 8:30-9:30, Caroline Lee, "The Virginia Girl," and her Spanish guitar; Marion Hoffman, pianist; 11:45-1 a. m., Graham Prince and his orchestra.

WGR, Buffalo, N. Y. (319m-940kc), 2:30 p. m., WGR's afternoon program; 6:30, Gospel Melodists; 8, Audubon Terrace Meadowlarks; 8:30, WEAF; 10, popular program, E. A. Wills Wall Paper stores; 10:30, popular program, Mrs. Vernon Curtis and assisting artists; 11, Bingham's dance orchestra.

WGY, Schenectady, N. Y. (379.5m-790kc), 7 p. m., Eastman theater program, WHAM; 8:05, WHAM.

WHN, New York, N. Y. (361.2m-830kc), 6 p. m., people's hour; 8, Vogue entertainers; 9:30, Daven Radio entertainers; 10, Roseland dance orchestra; 10:30, Anatol Friedland; 11, Silver Slipper orchestra; 11:30, Melody club orchestra; 12, Cotton club orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 1 p. m., Gimbel tea room orchestra; 3, Caroline Sherwood Montani and Nicola Montani vocal studio; 6:05, Benjamin Franklin hotel concert orchestra; 7, Uncle Wip's bedtime stories; Dorothy Perl, pianist.

WJAR, Providence, R. I. (305.9m-980kc), 1:05 p. m., Al Billincoff and his Green Acre Lodge orchestra; 7:30, musical program; 8, WEAF; 8:30, WEAF; 9, musical program; 10, WEAF.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Jean Goldkette's symphony orchestra; soloists; 9, Winter Haven Radio hour; 11:30, "The Merry Old Chief."

WJZ, New York, N. Y. (454.3m-660kc), 12 noon, Trinity church Lenten services; 1 p. m., Hotel Madison concert and dance orchestra; 4:35, Waldorf-Astoria tea music; 7, Hotel Commodore concert orchestra; 8, Helen Davis, banjoist; Sydney Koppel, pianist; 8:30, Lewissohn free chamber music concert; 10:45, George Olsen's Hotel Pennsylvania grill orchestra.

WLIT, Philadelphia, Pa. (394.5m-760kc), 12:20 p. m., religious service; 12:30, organ recital continued; 2, Arcadia cafe concert orchestra; 7:30, Dream Daddy's bedtime stories; 8:15, recital; 10, Arcadia cafe dance orchestra; 10:30, Salvatore Pizza and orchestra.

WLWL, New York, N. Y. (288.3m-1040kc), 9:15 p. m., musicale; 9:30, McEvoy concert; 10, chamber music.

WMAK, Buffalo, N. Y. (266m-1130kc), 7:30-8 p. m., musical program; 8-9, Bovin orchestra; 10-11 Woodcliffe orchestra.

WMAZ, Macon, Ga. (261m-1150kc), 10-11 p. m., Business and Professional Women's club; 11-12, Peerless quartet; Ralph Tabor, pianist; George Armes, saxophonist.

WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Olcott Vail and his Hotel McAlpin string ensemble; 6:30, Ernie Golden and his Hotel McAlpin orchestra; 9, Coughlan entertainers; 10:30, Parody club orchestra; 10:45, Van and Schenck; 11, Hofbrau Haus entertainers; 11:30, Jack Denny's orchestra; 12 m., McAlpin entertainers.

WNYC, New York, N. Y. (526m-570kc), 5:45 p. m., Agnes Vernon's juveniles; 6:20, songs; 7:35, piano recital; 8, German Irving Place theater ensemble; 9, instrumental specialty; 9:30, violinist; 9:45, pianist.

WOO, Philadelphia, Pa. (508.2m-590kc), 11 a. m., organ recital; 12:02 p. m., Golden's crystal tea room orchestra; 4:45, organ recital; 7:30, Sylvania dance orchestra; 8-9, WEAF; 9, talk about the Wissahickon; 9:35, address, Rev. Forest M. Dagar; 10, Fox theater studio program; 10:30, Sylvania dance orchestra.

WOR, Newark, New Jersey (405.2m-740kc), 6:30 p. m., Jacques Jacobs' Hotel Shelton ensemble; 7:30, George Tcherban's Katinka orchestra; 9:30, Weehawken glee club and orchestra.

WRC, Washington, D. C. (468.5m-640kc), 12:30 p. m., service, Keith's theater; 1, Lee House, trio; 4:15, Meyer Davis' Le Paradis band; 5, organ recital, Homer L. Kitt studio.

WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., Speed-Wagon serenaders; Gold Standard ensemble.

WRVA, Richmond, Va. (256.3m-1170kc), 8:15 p. m., F. Flaxington Harker, organist; 9:15, Blackston Military academy; 11, "Carry Me Back to Old Virginny."

WTAG, Worcester, Mass. (268m-1120kc), 12:05-2 p. m., WTAG orchestra; 6-7, dinner music; 8-8:30, WEAF, 8:30-9, WEAF; 9-10, concert; 10-11, WEAF.

WTAM, Cleveland, Ohio (389.4m-770kc), 12:15-1:30 p. m., Austin Wylie's Vocalion Recording orchestra; 6-7, Carl Rupp and his Hotel Hollenden orchestra; 8-11, public Auditorium program; 11-1 a. m., Guy Lombardo and his Royal Canadians.

WTIC, Hartford, Conn. (475.9m-630kc), 6:30 p. m., Hotel Bond trio; 8, Benjamin M. Knox and vocalists, 9:15, Laura C. Gaudet, pianist; 9:30, organ recital.

WWJ, Detroit, Mich. (352.7m-850kc), 12:05 p. m., Jules Klein's Hotel Statler orchestra; 3, Detroit News orchestra; 6, dinner concert; 8, News orchestra and soloists; 9, dance program; 10, WEAF.

Central Time Stations

CNRW, Winnipeg, Can. (384.4m-780kc), 7:50 p. m., musical program, Irvine Plumm and his Fort Garry hotel orchestra; 8:50, Canadian National Railways' Transcona shops' brass band; Mrs. D. J. Edwards, contralto; 10, supper-dance program, Irvine Plumm and his Fort Garry hotel orchestra.

KFAB, Lincoln, Neb. (340.7m-880kc), 5:30-6:30 p. m., dinner concert; 8:30-10:30, Harmony Boys, vocal and piano; Slick Merriam, pianist; Harriet Cruise, oriole of the air; Gloomy Gus entertainer; Master six orchestra.

KFMX, Northfield, Minn. (336.9m-890kc), 9-10 p. m., musicale.

KFRU, Columbia, Mo. (499.7m-600kc), 6:15 p. m., dinner music.

KMA, Shenandoah, Iowa (252m-1190kc), 6-7 p. m., music; 9-11, songs and clog dancing, Bob and Babe Riddle, Willy Cunningham, the farmer Scotchman, Bessie Caskey.

KMOX, St. Louis, Mo. (280.2m-1070kc), 12:30 p. m., Arthur Utt, organ recital; 6, Arthur Utt, organist; 6:30, Mrs. Jaques Landree, organist; 7, orchestra; debate; 8, orchestra, operalogue; 9, orchestra, song cycle, Negro songs Harriett Robinson; 10, popular program, orchestra.

KPRC, Houston, Texas (296.9m-1010kc), 7:30 p. m., Jack Willrich's orchestra; McMillian's dancing academy; Virginia Willrich, piano accordionist; 8:30, Max E. Shippe, tenor; Mrs. Harmon Whittington, pianist; 9, Rice institute student band; 11, music.

KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., WEAF; 7:30, Hotel Statler concert orchestra; 8, WEAF.

KSO, Clarinda, Iowa (241.8m-1240kc), 7:30-8:30 p. m., vocal and instrumental; 8:30-9:30, Delphos high school.

KYW, Chicago, Ill. (535.4m-560kc), 12:05-1 p. m., concert, Commonwealth Edison company; 1-2, Joska DeBabary and his orchestra; Coon-Sanders orchestra; 6-7, dinner music, KDKA; 8, Sherwood school of music; 10-12:30 a. m., midnight revue; Coon-Sanders orchestra; 10:40-11:10, Henri A. Keates, organist, McVickers theater; 1 a. m., Coon-Sanders orchestra.

WAMD, Minneapolis, Minn. (243.8m-1230kc), 7:10 p. m., American composers' program; 11, Skyrocket frolic; George Osborn and his orchestra.

WBAP, Fort Worth, Texas (475.9m-630kc), 12:05-12:30 p. m., music; 6-6:30, Chief Gonzales' Texas hotel orchestra.

WBBM, Chicago, Ill. (226m-1330kc), 4-6 p. m., Harry and Sandy; Edna Wheeler Ballard, harpist; Harold Morava, lyric tenor; Johnny Black; Court Banks; Ralph Botthof; 8-10, Barber Shop three; Jack Crawford's orchestra; Verdi mixed quartet; Sy Berg and Bib Witt; Phillip Nilles, tenor; Rudy Winter; Floyd Falch; 12-2 a. m., Jack Crawford's orchestra; Charlie Garland; Two Jays; Harold Anderson, accordionist; Floyd Falch; Ariston trio.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 12 a. m., Francis Richter, pianist; Ward Allen, violinist; Lou Emmel, baritone; 7 p. m., WEAF; 9, Nash-Finch concert orchestra; 11:30, Eddie Dunstedter, organist.

WCOA, Pensacola, Florida (222m-1350kc), 7 p. m., instrumental trio, Max H. Heinberg, violinist; Imogene Jones, pianist; Ray Dinsmore, celloist; Frank Howland, banjo ragomaniac; Mrs. Terrell Covington, vocalist; Clara Frenkel and John Frenkel, in dialogue and songs; Mrs. Sybil Mitchell, pianist and soloist; Max J. Heinberg, violinist; Eddie Collins, saxophone solos; Eddie Collins, Rainbow dance orchestra.

WEBH, Chicago, Ill. (370.2m-810kc), 3-4 p. m., special features; 7, Oriole concert orchestra; 8, Florence Behrend, songster; Oriole string trio; 9-10, Dennis Sisters; Oriole orchestra; Frank Bordner; Oriole marimba band; 11-12:30 a. m., Oriole dance orchestra; songs, Irene Beasley; songs, Florence Behrend; Dennis Sisters; Oriole dance orchestra.

WFAA, Dallas, Texas (475.9m-630kc), 1:30-2 p. m., Raymond Roy Harrison, pianist and singer; 2:30-3, Ernest Wayland, pianist and signer.

WGES, Oak Park, Ill. (250m-1200kc), 5-7 p. m., violin, basso, pipe organ, tenor; 8-9, orchestra, contralto, soprano, pipe organ; 11-1 a. m., Coyne serenaders, pipe organ comedian, tenor, pianist.

WGN, Chicago, Ill. (302.8m-990kc), 12:40-2:30 p. m., concert, Drake ensemble, Blackstone string quintet; 2:30-3, Lyon and Healy artists; 3-3:30, Auction Bridge game; 3:30-4:15, Tea Time music, Marshall Field tea room orchestra; 4:30-5, organ recital, Edward Benedict; 5:30-7, Drake concert ensemble, Blackstone string quintet, old-time favorites; 8-9, studio program; 9-10, WEAF; 10-10:10, Sam 'n' Henry; 10:10-10:20, old-time favorites; the Playshop; 10:40-11, popular program.

WHAD, Milwaukee, Wis. (275m-1090kc), 6:15-7 p. m., organ recital, Arthur Richter; 10:30-11:30, dance hits, Wisconsin Roof orchestra; 11:30-12:30 a. m., request organ recital, Edmund Fitch, organist.

WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., K. & I. orchestra.

WHB, Kansas City, Kansas (365.5m-820kc), 7-8 p. m., "Old favorite songs," St. Benedict's Maur Hill orchestra.

WHO, Des Moines, Iowa (526m-570kc), 6-7 p. m., Bankers Life symphonic orchestra; 7:15-8:15, Irene Dorans Little symphony orchestra; 8:15-9, Capitol theater artists; Kate Miller, whistler, Maude Hughes, accompanist; Harry Lewis, popular songster; 9-12, dance program.

WHT, Chicago, Ill. (399.8m-750kc), 12 m., Al Carney's complimentary organ recital; 6-7:30, Genevieve B. Burnham, soprano; Peter Porstner; Howard Will, tenor; Grayling's string trio; Helen Rauh, pianist; 7:45-9:15, Cinderella Cafe orchestra; 9:30, Al Carney and Pat Barnes; 10:05, Ray-O-Vac concert; 11:15, Cinderella Cafe orchestra; 11:30, Pat Barnes and Al Carney; 12, Pat Barnes and Al Carney.

WIBO, Chicago, Ill. (225.4m-1330kc), 2-4 p. m., Shutins program; Ted Florito, pianist; Dan Russo, violinist songs, Marie Tully; Wayne Myers, reader; Madeline Hammond, songs; Max Webb, pianist; songs, the Jordans; Al Benson, Gail Bandell; 6-8, Dorothy Rae, soprano; Charles Champlin, baritone; Florence Osterman, contralto; Earl Raymond Bigelow, pianist; string trio; 10-12, popular program; William Molnaire, tenor; Erwin Cornelius, song and uke soloist; Lenore Friedman, soprano; Herbert Schlosser, accordionist; string trio.

WKAF, Milwaukee, Wis. (261m-1150kc), 10-11 p. m., Campus Skylarks; Robert F. Hall, Irish and German character songs.

WKRC, Cincinnati, Ohio (325.9m-920kc), 6 p. m., Alvin Roehr and his Hotel Alms orchestra; 8:15, Oliver Plunkett, tenor; 9, concert orchestra; 9:40, orchestra.

WLIB, Chicago, Ill. (302.8m-990kc), 7-7:30 p. m., Uncle Walt's Punch and Judy show; 7:30-7:30, Auld Sandy; 7:30-8, WEAF; 11-11:20, Correll and Gosden; 11:20-1, dance music; Correll and Gosden.

WLS, Chicago, Ill. (344.6m-670kc), 12 a. m., Ford and Glenn; 6 p. m., Ford and Glenn; 6:40, Ralph Emerson at our Barton organ; 7:15, WLS picture concert; 7:45, Grace and Ralph "At home"; 8, WLS theater production, "Fog"; 8:30, Geo. Goforth band; 10, Metropolitan church choir, Negro spiritual production; 11-1 a. m., WLS circus with Geo. Goforth band.

WLW, Cincinnati, Ohio (422.3m-710kc), 4 p. m., shutins program, by Wm. Duning; 6:30, joint recital, Cecile Falkenstein, pianist; Ira Falkenstein, violinist; 7, Hotel Gibson orchestra; 7:40, Hotel Gibson orchestra; 8, American composer program, Omicron Chapter of the Sinfonia fraternity; 9, concert, Tenth Infantry band; 10, the Cincinnati Zither players; 10:20, Further Radio adventures, Senator Schultz; 10:40, Crosley male quartet; 11, Maids of Melody, Grace Donaldson and Hortense Rhodes; 11:15, Johanna Grosse, organist.

WMAQ, Chicago, Ill. (447.5m-670kc), 4:45 p. m., pupils, Cosmopolitan school of music; 6, Chicago theater organ; 6:30, Hotel La Salle orchestra; 8:20, Fullerton Presbyterian church choir; 8:55, WMAQ players.

WMBB, Chicago, Ill. (250m-1200kc), 7-8 p. m., Trianon duo; Monte Blue, tenor; Eleanor Kaplan, violinist; Edwin House, baritone; Preston Graves, pianist; 9-11, Trianon orchestra; Woodlawn theater orchestra; Cecil and Esther Ward; Hawaiian guitar specialties; Billie Allen Hoff, blues singer; Ed Wallace, tenor; Ted Graham, baritone.

WOAI, San Antonio, Texas (394.5m-760kc), 8:30 p. m., army night, Fort Sam Houston.

WOC, Davenport, Iowa (483.6m-620kc), 4-4:45 p. m., musical program; Sidney Milbanks, tenor; 5:45-6, chimes concert; 7-7:30, WEAF; 9-9:30, Erwin Swindell, organist; 9:30-10:30, musical program, Augustana college.

WOK, Chicago, Ill. (217.3m-1300kc), 4:30-7 p. m., Capitol theater organ; studio program; 10-1:30 a. m., Tearney's Town club orchestra; Carl Lorraine's Pershing Palace orchestra; Husk O'Hare's Cocoanut Grove orchestra; Capitol theater program; studio program.

WOOD, Grand Rapids, Mich. (242m-1240kc), 9-10 p. m., Willard Battery hour; Moke Marrin, Paul Estabrook, Helen Neuman, Bill Dallavo and his Regent Roof orchestra; 10-12, popular program, Bob and Hazel McOsker, Sid Goldman, Friedrich Music house tenor; Bill Dallavo and his orchestra.

WORD, Batavia, Ill. (275m-1090kc), 7-7:45 p. m., "North Shore Line"; 9, I. B. S. A. service; 11, program.

WOS, Jefferson City, Mo. (440.9m-680kc), 8:15-10 p. m., faculty, students, State School of Mines and Metallurgy; 10, Noland Wrightsman, Milo Durkan.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., dinner concert, Jack Chapman and his Rainbo Gardens orchestra; Carl Pfau, tenor; Helen Holman, soprano; Katherine Parrish, pianist; 10-1 a. m., Jack Chapman and his Rainbo Skylarks; Herman Techentine, baritone; Lena Kirk, soprano; Melodians; Clarence Theders, tenor; Joe Warner, character songs; Oxford girls, harmony singers; Gail Bandell, Sunshine girl; artists; 1-2, Ginger hour, Jack Chapman the Ginger man, Little Skylarks.

WSAI, Cincinnati, Ohio (325.9m-920kc), 7 p. m., WEAF; 7:30, WEAF; 10:15, string quartet.

WSB, Atlanta, Ga. (428.3m-700kc), 10:45 p. m., Baltimore orchestra.

WSM, Nashville, Tenn. (282.8m-1060kc), 7:15 p. m., Francis Craig's orchestra, Hotel Hermitage; 8, Mary Cornelia Malone, soprano, and Daisy Hoffman, pianist; 10, Shriners' program.

WSOE, Milwaukee, Wis. (245.8m-1220kc), 9 p. m., Candygram soloists.

Mountain Time Stations

KFWA, Ogden, Utah (260.7m-1150kc), 4-5 p. m., organ recital, Paramount theater; 5-6, Ogden Radio dealers program; 9-10, Olie Reeves and his orchestra; 10-11, "Merry Mad Music Makers"; 11-12, Olie Reeves and his orchestra.

KOA, Denver, Colo. (322.4m-930kc), 12:15 p. m., Rialto theater organ recital, Marjorie Nash; 8, Scheuerman's Colorado orchestra; 8:15, novelty program, Hickville party; 10-12, Broadmoor Rhythm Rustlers.

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-640kc), 5:30-6 p. m., Jim, Jack and Jean trio; 6, nightly doings; 6:30, vest pocket program; 6:45, Radiotorial period; 7-7:30, program. A. H. Grebe and company, Synchrophase string ensemble; 7:30-8, Nick Hearts' detective story; 8-9, program, Ventura Refining company; 9-10, popular program, Chevrolet Motor company; 10-11, Owen Fallon's Californians; Jackie Lucas, soloist.

KFOA, Seattle, Wash. (454.3m-660kc), 12:30-1:30 p. m., Rotary club program; 5:15-5:30, Around the Towne, KFOA; 7-8:15, Hopper Kelly company studio program; 8:30-10, studio program, Taggart motor company.

KFON, Long Beach, Calif. (232.4m-1280kc), 6-6:30 p. m., Brayton's theater organ; 6:30-7, amusement information; 7-8, Investor's hour with entertainment, 8-9, Press-Telegram studio; 9-10, program, Sam Abrams, the tailor; 10-11, Oriole dance orchestra.

KFWB, Hollywood, Calif. (252m-1190kc), 5-6 p. m., Big Brother's children's hour; 6-7, dinner music, Fitzgerald Music company; 8-9:30, Bill Hatch's Oakmont Country club dance orchestra; 9:30-10, Mutual Motors joke contest; 10-11, Warner Brothers' frolic.

KGO, Oakland, Calif. (361.2m-830kc), 4-5:30 p. m., concert orchestra, Hotel St. Francisco; 6-6:55, dinner concert.

KHJ, Los Angeles, Calif. (405.2m-740kc), 8:15-10:30 p. m., program, Southern California Edison company; Mildred Ware, contralto; Nicholas Hearne, Jr., pianist; Optimist male quartet; Frederick Mac Murray, viola; Carolyn Le Fevre, violinist; Monrovia trio; 10:30-11:30, Don Clark's Biltmore hotel dance orchestra.

KJR, Seattle, Wash. (384.4m-780kc), 8:30-10 p. m., Post Intelligencer studio program.

KLX, Oakland, Calif. (508.2m-590kc), 8-9:45 p. m., studio program; 9:45-10:30, Athens Athletic club orchestra.

KMTR, Hollywood, Calif. (238m-1260kc), 8-10 p. m., KMTR concert orchestra, Loren Powell, director; Dan Gridley, tenor; 10-11, Starr Piano company studio.

KNX, Hollywood, Calif. (336.9m-890kc), 5:30 p. m., Leighton's cafeteria orchestra; 6:30-7, Atwater Kent orchestra; 7-8, studio program; 8-9, program, Security Trust and Savings bank; 9-10, program, Joe Daley's 165 grocery stores; 10-11, dance music; 11-12 midnight, Ambassador hotel dance orchestra.

KOWW, Walla Walla, Wash. (256.3m-1170kc), 12-1 p. m., Kiwanis club; 8-10, Violet Reser Hughes program.

KPO, San Francisco, Calif. (428.3m-700kc), 1-2 p. m., Rudy Seiger's Fairmont hotel orchestra; 2:30-3:30, matinee program; 6:40-7, Waldemar Lind and the States Restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel orchestra; 8-9, Atwater Kent artists; 9-10, Goodrich Silvertown Cord orchestra; 10-11, Waldemar Lind and the States Restaurant orchestra; 11-12, Henry Halsted's orchestra.

KTAB, Oakland, Calif. (239.9m-1250kc), 12-1 p. m., concert; 8-10, program, Western States Life Insurance company.

KWSC, Pullman, Wash. (348.6m-860kc), 7:30-9 p. m., George Hunt, banjoist; Geneva Byers, whistler; jazz skit, Maudine Bartschc, Louise Fletcher; Dale Whitenack, reader.

Thursday, March 25

Headliners Today

Eastern	Central	Mountain	Pacific
7:30 p. m.	6:30 p. m.	5:30 p. m.	4:30 p. m.

WEEI (348.6m-860kc) Old Homestead group.

NEWS BULLETINS

Daily Except Sunday

Eastern	Central	Mountain	Pacific
9:45 a. m.	8:45 a. m.	7:45 a. m.	6:45 a. m.

KDKA (309.1m-970kc).

10	9	8	7

WGN (302.8m-990kc).

10:35	9:35	8:35	7:35

WCCO (416.4m-720kc).

11	10	9	8

WOAI (394.5m-760kc).

12 n.	11	10	9

CFCA (356.9m-840kc); KDKA (309.1m-970kc); KPRC (296.9m-1010kc).

12:30 p. m.	11:30	10:30	9:30

WCAE (461.3m-650kc).

1	12 n.	11	10

KGW (491.5m-610kc); KNX (336.9m-890kc).

1:15	12:15 p. m.	11:15	10:15

WOAI (394.5m-760kc).

3:45	2:45	1:45 p. m.	12:45 p. m.

WHAS (399.8m-750kc).

4	3	2	1

WCX (516.9m-580kc).

4:30	3:30	2:30	1:30

WCAE (461.3m-650kc); WFAA (475.9m-630kc).

6	5	4	3

CFCA (356.9m-840kc).

6:30	5:30	4:30	3:30

WPG (299.8m-1000kc).

7	6	5	4

KOIL (278m-1080kc); WOC (483.6m-620kc).

7:15	6:15	5:15	4:15

WMAK (265.6m-1130kc); WOAI (394.5m-760kc).

8	7	6	5

WMBF (384.4m-780kc); WMCA (340.7m-880kc).

9	8	7	6

WSAI (325.9m-920kc).

9:30	8:30	7:30	6:30

KPO (428.3m-700kc).

10	9	8	7

KLX (508.2m-590kc).

10:45	9:45	8:45	7:45

WEBH (370.2m-810kc).

Sunday

Eastern	Central	Mountain	Pacific
8 p. m.	7 p. m.	6 p. m.	5 p. m.

WMAK (265.6m-1130kc).

8:15	7:15	6:15	5:15

WEBH (370.2m-810kc).

9	8	7	6

WPG (299.8m-1000kc).

12	11	10	9

KFWB (252m-1190kc).

KYW, "The World Crier," broadcasts news every half hour from 8 a. m. to 2 a. m.

Eastern	Central	Mountain	Pacific
8:10 p. m.	7:10 p. m.	6:10 p. m.	5:10 p. m.

WAMD (243.8m-1230kc) Glee club.

8:15	7:15	6:15	5:15

WIP (508.2m-590kc) Happy Hour quartet.

8:30	7:30	6:30	5:30

KDKA (309.1m-970kc) Masque and Whig club.

9	8	7	6

WBZ (333.1m-900kc) Angelus quartet.

WSB (428.3m-700kc) Ray-O-Vac Twins.

9:30	8:30	7:30	6:30

WFAA (475.9m-630kc) Choral club.

10	9	8	7

KPRC (296.9m-1010kc) Novelty harmonica orchestra.

10:10	9:10	8:10	7:10

WIP (508.2m-590kc) Bishop Titus Lowe of Singapore.

10:15	9:15	8:15	7:15

WJZ (454.3m-660kc), WRC (468.5m-640kc), Record Boys.

10:30	9:30	8:30	7:30

WBAP (475.9m-630kc) Novelty program, Camp Fire Girls.

Thursday, silent night for: CHIC, CKNC, CNRA, CNRE, CNRO, CNRR, CNRT, CNRV, CNRW, KFAB, KFAU, KFDM, KFEQ, KFMX, KFOA, KFUO, KFVE, KFWA, KGW, KLX, KMOX, KOA, KOAC, KOB, KWSC, PWX, WABQ, WAFD, WAHG, WCAP, WCEE, WDOD, WEAO, WEBJ, WEBW, WEMC, WGBF, WHAD, WHAZ, WJJD, WMAK, WMAZ, WOR, WOS, WSM, WSUI, WTAM.

Eastern Time Stations

CKAC, Montreal, Can. (410.7m-730kc), 4:45 p. m., musical tea; 8:30, Canadian National railways concert.

CNRM, Montreal, Can. (410.7m-730kc), 8:30 p. m., studio program, School of the Montreal Association for the Blind; Tony Zpopsky, pianist; E. Forrest, soprano; Ada Allan, musical monologue; Starnes and Williams, duettists; Miss Bourdreau, soprano; A. Allan, reader; F. Holland, violinist; I. Dodds, soprano; Gilbert Williams, bass; choir.

KDKA, Pittsburgh, Pa. (309.1m-970kc), 12:20 p. m., Trinity church Lenten services; 6:30, dinner concert, 8:15, farm program; 8:30, Masque and Whig club program; 11, Pittsburgh Post revue.

WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., dinner program, WBAL dinner orchestra; 7:30-8, organ program, Frederick Weaver; 8-10, musical program; Elsie Samuel, pianist; Elizabeth Stidman, soprano; Eugenia Earp Arnold, contralto; William Bell, baritone; Amos Stidman, tenor; Margaret Tutwiler, violinist.

WBBR, New York, N. Y. (272.6m-1100kc), 8 p. m., Clarion brass quartet; L. Marion Brown, soprano.

WBZ, Springfield, Mass. (333.1m-900kc), 6:30 p. m., Hotel Kimball orchestra; 6:45, Hotel Lenox ensemble; 7, Hotel Kimball orchestra; 7:30, harmonica selections, Pete Caron; 7:45, M. A. C. Radio forum; 8, musical program, Noyes Buick company, Leo Reisman's orchestra; Aiden Redmond, baritone, assisting soloist; 9, Angelus quartet; 9:45, Arthur Clifton, organist; 10:03, Arthur Clifton, organist; 10:30, Springfield orchestra ensemble, Mrs. J. W. Morrison, xylophone soloist.

WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert, William Penn hotel; 8-11, WEAF.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:30, Cathay Tea Garden dance orchestra; 7:30, Snellenburg symphony orchestra; 8, recital; 8:15, Elizabeth Raletina coloratura soprano; 8:45, the Kandy Kids; 9, Barry O'Moore, the Irish tenor; 9:30, the Musical Chefs; 10, Sesqui Centennial hour; 11, Parodians dance orchestra; 11:30, Club Cadix revue.

WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., dinner program, Goldkette ensemble; 8-9, studio program.

WEAF, New York, N. Y. (491.5m-610kc), 7:45-8:00 a. m., morning prayer services; 11, Sonia Troiano, soprano; 11:30, Sonia Troiano, soprano; 12 noon, Lenten services, auspices of Greater New York Federation of Churches; 4 p. m., Hughetta Owen, mezzo-contralto; 4:15, Sylvia D. Lyons, pianist; 4:30, Charles Gordon, baritone; 5, Vincent Lopez and orchestra; 6, dinner music, Hotel Waldorf-Astoria; 7, mid-week hymn sing, Greater New York Federation of Churches; 7:30, Smith Brothers; 8, Larkinites, WEEI, WGR, WWJ, WFI, WTAG, WOC, WCCO, KSD, WCAE, WEAR; 8:30, Hire's Harvesters, WEEI, WCAE, WFI, WJJD, WSAI, WWJ; 9, Clicquot Club Eskimos, WEEI, WJAR, WTAG, WFI, WCAE, WSAI, WEAR, WGR, WWJ, WOC, WCCO, KSD, WGN; 10, Silvertown Cord orchestra, WEEI, WFI, WCAE, WWJ, WGR, WOC, WCCO, WTAG, KSD, WSAI, WJAR, WGN, WADC; 11-12, Vincent Lopez and orchestra from Casa Lopez.

LAWYERS PUT ON MOCK TRIAL AT KOA

Thursday, March 25

WEAO, Columbus, Ohio (293.9m-1020kc), 8:15 p. m., music; 8:45, music; 10, Fort Hayes hour of music.

WEEI, Boston, Mass. (248.6m-860kc), 7:30 p. m., Olde Homestead group; 8-10, WEAF.

WFI, Philadelphia, Pa. (394.5m-760kc), 1 p. m., Tea Room ensemble; 3, club program, "Afternoon with Grieg"; 6:30, Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra; 8-11, WEAF.

WGBS, New York, N. Y. (315.6m-950kc), 9 p. m., Crystal Palace orchestra; 9:30, Old-time Minstrels; 10:30, dance orchestra.

WGCP, New York, N. Y. (252m-1190kc), 3 p. m., Ore Welsh, pianist; 3:30, Frank Gallasi, ukulele; 3:45, studio program; 4:45, Doris Freedman, songs; 5:10, Chas. Coleman, pianist; 10:30, Irving Firstenberg, pianist; 10:45, Frankie Meadows, songs; 11, Piotti and Val, songs; 11:15, Katherine Adolph, soprano; 11:30, Strickland's orchestra; 12-2:00 a. m., midnight frolic.

WGHB, Clearwater, Florida (266m-1130kc), 6:30-7:30 p. m., Belleair Estate orchestra; 8:30-10, Belleair estates; 11:30-1 a. m., frolic.

WGR, Buffalo, N. Y. (319m-940kc), 2:30 p. m., WGR's afternoon program; 6:30, Vincent Lopez Hotel Statler dance orchestra, Harold Gieser, director; 8, WEAF; 9, WEAF.

WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., Ten Eyck trio; 7:45, program, Syracuse university; WFBL; 9, WJZ; 10:20, "Night in Country Store," Corn Husker's orchestra; 11:30, organ recital, Stephen E. Boisclair; WFBL.

WHAR, Atlantic City, N. J. (275m-1090kc), 2 p. m., Seaside hotel trio; 8, Seaside hotel ensemble; 9, concert; 11, Follies Bergere orchestra.

WHN, New York, N. Y. (361.2m-830kc), 12:30 p. m., Lexington organ recital; 1:30, overture and vaudeville from Loew's Metropolitan theater; 3:15, Lexington orchestra; 4, Tea time hour; 6, Treasureland Neighbors; 6:30, People's hour; 7, musical program; 8, Will Oakland's Chateau; 10:30, Leroy Smith's orchestra; 11, Joe Ward's Swanee entertainers; 11:30, Everglades orchestra; 12, Al Raymo's entertainers.

WIP, Philadelphia, Pa. (508.2m-590kc), 1 p. m., Gimbel tea room orchestra; 3, Pearl Heebner, pianist; DeLee Luckenbach, soprano; Minerva Rose Chadman, soprano; Ethel Greenberg, violinist; Sylvia Stanni, soprano; Flora Ripka, accompanist; 6:05, Pagoda cafe orchestra; 7, Uncle Wip's bedtime stories; Mildred Dowbenko, songs; 8:15, The Happy Hour quartet; 8:45, concert, Institute of Musical Art; 10:20, Nelson Maples and S. S. Leviathan orchestra.

WJAR, Providence, R. I. (305.9m-980kc), 1:05 p. m., Joe McNamara and his Twin Elm orchestra; 8, Robert W. Powers orchestra; 9-11, WEAF.

WJR, Pontiac, Mich. (526.9m-580kc), 7 p. m., Jean Goldkette's symphony orchestra; soloists; 9, Jean Goldkette's orchestra; 10, Jean Goldkette's Victor Recording orchestra.

WJZ, New York, N. Y. (454.3m-660kc), 12 n, Trinity Lenten service; 1, p. m., Hotel Pennsylvania orchestra; 4:35, Hotel Commodore tea music; 7, Hotel Vanderbilt concert orchestra; 7:45, Judge, Jr.; 8, Markel's orchestra; 9, Royal Typewriter salon orchestra, WGY, WCAD; 10:15, the Record Boys, WRC; 10:45, Freddie Rich and Hotel Astor dance orchestra.

WLIT, Philadelphia, Pa. (394.5m-760kc), 12:20 p. m., religious services; 12:35, Benjamin Franklin hotel concert orchestra; 2, Arcadia cafe concert orchestra; 4:30, Alace Wightman, pianist; 7:30, Dream Daddy's bedtime stories.

WLWL, New York, N. Y. (288.3m-1040kc), 8:30 p. m., McEnery's entertainers; 9, piano solo; 9:45, song; 10:30, violin solo; 10:40, musicale.

WMAK, Buffalo, N. Y. (266m-1130kc), 6:15-7:15 p. m., dinner music.

WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Olcott Vail and his Hotel McAlpin string ensemble; 6:30, Parody orchestra; 7:30, Twin Oaks orchestra; 7:45, Arthur West Sirens; 10:30, Tango orchestra; 11, Ernie Golden and his Hotel McAlpin orchestra; 12 m., McAlpin entertainers.

WNYC, New York, N. Y. (526m-570kc), 7:35 p. m., resume of meeting of board of estimate; 8, concert program; 9, instrumental trio; 9:30, popular songs and novelties; 10:10, board of education lecture service.

WOO, Philadelphia, Pa. (508.2m-590kc), 11 a. m., organ recital; 12:02 p. m., Golden crystal tea room orchestra; 4:45, organ recital; 7:30, Adelphia dance orchestra.

WOR, Newark, N. J. (405.2m-740kc), 6:30 p. m., Jacques Jacobs' Hotel Shelton ensemble.

WPG, Atlantic City, N. J. (299.8m-1000kc), 6:45 p. m., Arthur Scott Brook, organist 7, Elks home dinner music; 8:15, U. of Pa., male quartet; 10, Atlantic City Estates' dance orchestra; 11, Silver Slipper supper club.

WRC, Washington, D. C. (468.5m-640kc), 1 p. m., Hotel Mayflower orchestra; 7, New Willard hotel orchestra; 8:30, Radio movie, WJZ; 9, Royal Salon orchestra; WJZ, WGY, WCAD; 10:45, Meyer Davis' Le Paradis band.

WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., Speed-Wagon serenaders; Gold Standard ensemble; 8:15, Reo broadcasting orchestra; Reo string quartet; Thos. E. Metzger, flutist.

WRVA, Richmond, Va. (256.3m-1170kc), 8:10 p. m., Edgeworth frolic and music feast; 9, moment musical trio; 9:30, soloist and novelty numbers; 10, Country fiddlers; 11, Carry Me Back to Old Virginny.

WTAG, Worcester, Mass. (268m-1120kc), 12:05-2 p. m., orchestra; 4:30, entertainment; 8-8:30, WEAF; 9-10, WEAF; 10-11, WEAF.

WTAM, Cleveland Ohio (389.4m-770kc), 8:30-10 a. m., music appreciation program; 12:15-1:30 p. m., Guy Lombardo and his Royal Canadians; 6-7, Austin Wylie's Vocalion Recording orchestra.

WTIC, Hartford, Conn. (475.9m-630kc), 6:50 p. m., Hotel Bond trio.

WWJ, Detroit, Mich. (352.7m-850kc), 12:05 p. m., Jules Klein's Hotel Statler orchestra; 3, Detroit News orchestra; 6, dinner concert; 8, WEAF.

Central Time Stations

KFKU, Lawrence, Kan. (275m-1090kc), 7:15 p. m., Ray Wright, tenor; Mildred Newby, pianist; 8, senior piano recital, Arlo Hults.

KFRU, Columbia, Mo. (499.7m-600kc), 6:30 p. m., religious news service; 9-11, musical program.

KLDS, Independence, Mo. (440.9m-680kc), 8:15 p. m., Independence mandolin and guitar club concert.

KMA, Shenandoah, Iowa (252m-1190kc), 11:30-12:30 p. m., Farmham trio; May's Flower Lady, Lina Ferguson; 9-11, Delmonico Dreamers' dance orchestra.

KMOX, St. Louis, Mo. (280.2m-1070kc), 12:30 p. m., organ recital, Arthur Utt.

KPRC, Houston, Texas (296.9m-1010kc), 7:30 p. m., Blanchard's dance orchestra; 8:30, Skyline studio concert; 9, C. A. Durkee and his novelty harmonica orchestra.

KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., WEAF; 7:30, Esmeralda Berry Mayes, pianist; 8, WEAF; 9, WEAF.

KSO Clarinda, Iowa (241.8m-1240kc), 7-8 p. m., music, Baker and Anderson.

KUOA, Fayetteville, Ark. (299.8m-1000kc), 9 p. m., organ recital, Ozark theater.

KYW, Chicago, Ill. (535.4m-560kc), 12:05-1 p. m., concert, Commonwealth Edison company; 1-2, Joska DeBabary and his orchestra; Coon-Sanders orchestra; 2:35-4, KYW; frolic; 6-7, dinner music, KDKA, KYW; 9, music, Commonwealth Edison company; 10:40-11:10, Coon-Sanders orchestra; 1-2 a. m., "Insomnia club," Coon-Sanders orchestra.

WAMD, Minneapolis, Minn. (243.8m-1230kc), 6:15 p. m., George Osborn and his orchestra; 7-10, St. Olaf church male glee club.

WBAP, Fort Worth, Texas (475.9m-630kc), 12:05-12:30 p. m., Ward's Trail Blazers"; 6-6:30, Chief Gonzales' Texas hotel orchestra; 7:30-8:30, concert, Clyde Massengale; 9:30-11, novelty program, Camp Fire Girls; 11, varied program, Pantages theater.

WBBM, Chicago, Ill. (226m-1330kc), 4-6 p. m., Sandy and Harry; William Dalton, baritone; Irene Beasley; Sidney Nireman; Russell Meyers; Jack Penewell and Freddy Palmiter; 8-10, Barber Shop three; Jack Crawford's orchestra; Ziegler sisters; Ariston trio; Two Jays; Charlie Garland; Maurice Silverman; Pauline Stiffler Atlass, violinist; Floyd Falch; 10-12 midnight, Harry and Sandy; Moulin Rouge orchestra; Harry Brailsford, mandolinist; Pearl Jarret, pianologue; Fred Jacobson; stars, Moulin Rouge cafe.

WCAL, Northfield, Minn. (336.9m-890kc), 7:30 p. m., Norwegian Lutheran church.

WCBD, Zion, Ill. (344.6m-870kc), 8 p. m., McElroy saxophone mixed quartet; Mrs. J. D. Thomas, soprano; Mrs. Nelson, Mrs. Harwood; Daniel Mason, trombonist; Mrs. Blanche Kesler, reader; Emelia Nelson, pianist.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 12 noon, Donaldson's orchestra; 7 p. m., WEAF; 7:30, musical program; 8, WEAF; 10:20, Emmet Long's Golden Pheasant orchestra.

WEBH, Chicago, Ill. (370.2m-810kc), 3-4 p. m., musical bits, Uptown theater; 7-8, special recital; 9-9:45, Oriole dance orchestra; 11-12:30 a. m., Oriole dance orchestra, artists.

WFAA, Dallas, Texas (475.9m-630kc), 1:30-2, p. m., Edgar Noris, blind pianist and singer; 2:30-3, Ewen Hall, tenor; Johnye Davis, pianist; 3:30-4, Jimmy's Joy, features; 4:30-5, Charles Kamaka, Hawaiian composer; 6:30-7:30, Baker hotel orchestra; 8:30-9:30, Wednesday Morning Choral club.

WGBF, Evansville, Ind. (236.1m-1270kc), 12:20 p. m., frolic.

WGES, Oak Park, Ill. (250m-1200), 5-7 p. m., pipe organ, pianist, basso, tenor; 8-9, orchestra pipe organ one-act playlet; 11-1 a. m., Coyne serenaders, pipe organ, soprano; Evan Lloyd, composer, features.

WGN, Chicago, Ill. (302.8m-990kc), 12:40-2:30 p. m., Drake concert ensemble, Blackstone string quintet; 2:30-3, Lyon and Healy artists; 3:30-4:15, Tea Time music, Marshall Field's tea room orchestra; 4:30-5, organ recital, Edward Benedict; 6:30-6:45, Drake concert ensemble, Blackstone string quintet; 6:45-7, old-time favorites; 8-9, WEAF; 9-10, WEAF; 10-10:10, Sam 'n' Henry; 10:20-10:40, the playshop; 10:40-11, popular program.

WGST, Atlanta, Ga. (270m-1110kc), 7-8, p. m., Lula Clark King and pupils.

WHAD, Milwaukee, Wis. (275m-1090kc), 6:15-7 p. m., Bill Benning's Milwaukee Athletic club orchestra; 10:30, popular orchestra selections.

WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., Zeta Chapter, Delta Omicron, national musical sorority.

WHB, Kansas City, Mo. (365.6m-820kc), 7-8 p. m., dinner concert, Morrill Moore; 8-9:30, Maupin's symphony orchestra; Louis Riemer, violinist; Marvin Thomas, baritone; Sherley Thomas, trumpeter; Fay Maupin Blount, accompanist.

WHO, Des Moines, Iowa (526m-570kc), 7:30-8 p. m., Raleigh quintet; 8-9, Bankers Life trio; 11-12, Bankers Life Corn Sugar orchestra.

WHT, Chicago, Ill. (399.8m-750kc), 12 m., Al Carney's complimentary organ recital; 6, dinner organ recital, Al Carney; 6:30, Hugh Aspinwall, tenor; Grayling's string trio; 6:45, Swedish program; 9:15, Cinderella cafe orchestra; 9:30, Kitchen Klenzer Klassics; 9:50, Jack Turner, singer; Jack Marshall, pianist; 10:10, U. S. L. entertainers; male quartet; 11:30, Pat Barnes and Al Carney; 12, Pat Barnes and Al Carney.

WIBO, Chicago, Ill. (225.4m-1330kc), 2-4 p. m., program for shut-ins; Ted Fiorito, pianist; Dan Russo, violinist; Marie Tully, songster; Wayne Myers, reader; Dorothy Dillow, soprano; songs, the Jordans; 6-8, dinner concert; Chester Newman, baritone; H. Caldwell, pianist; William Molnaire, tenor; string trio; 7:30-8, Swedish program; 12, midnight jamboree; Dan Russo, violinist; Ted Fiorito, pianist; songs, Marie Tully; Wayne Myers, monologist; Louis Webb and Bertha Webb, songsters; Gail Bandell, Jimmy Cairns, Dean Stevenson.

WJAD, Waco, Texas (352.7m-850kc), 8:30-10 p. m., Baylor Bear band.

WJJD, Mooseheart, Ill. (370.2m-810kc), 2-3 p. m., Howard L. Peterson, organist; 4-5, music, children; 5:30-7, Jack Nelson; Palmer House symphonic players; Howard L. Peterson, organist; Palmer House Victorians; Salvation Army band; 12:30 a. m., Palmer House Victorians; Jack Nelson.

WKAF, Milwaukee, Wis. (261m-1150kc), 8:30-10 p. m., Trixie Ann Troy and her Royal Hawaiians; Al Nitz, tenor; Anita DeWitte Hall, celeste.

WKRC, Cincinnati, Ohio (325.9m-920kc), 10 p. m., Eugene Perazzo, organist; 10:30, Swiss Garden program; 11, popular song recital; 11:15, Marion McKay and his orchestra.

WLIB, Chicago, Ill. (302.8m-990kc), 7-7:20 p. m., Uncle Walt's Punch and Judy show; 7:20-7:30, Correll and Gosden; 7:30-8, WEAF; 11-11:20, Correll and Gosden; 11:20-1, dance music; Correll and Gosden.

WLS, Chicago, Ill. (344.6m-670kc), 12 a. m., WLS, studio trio; 6 p. m., WLS studio trio; 6:40, Ralph Emerson at our Barton organ; 7:15-7:55, WLS trio solo concert.

WLW, Cincinnati, Ohio (422.3m-710kc), 4 p. m., piano recital, Adelaide Apfel; 6:15, musical handshakes, Bob Groenke and Jim Mischler; 7, dinner hour concert, Hotel Gibson orchestra; 9, Ladies Brass band, United Spanish War Veterans, Auxiliary No. 27, Dayton, Ohio; 10, Three Minute message from the U. S. Civil Service department; 10:03, popular concert, Doherty Melody boys; 11, the Buckeye male quartet; 12:15, Night Howls, Crosley Sky terriers.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Hotel La Salle orchestra; 9, U. of Chicago talk; 9:30, program.

WMBB, Chicago, Ill. (250m-1200kc), 7-8 p. m., Trianon duo; Russian music; 9-11, Trianon orchestra; Woodlawn theater orchestra; Scotty Welch and the Madison sisters; Lucille O'Hara, soprano; Clinton Keithley, tenor; Bob Duffy, whispering, baritone.

WMC, Memphis, Tenn. (499.7m-600kc), 8:45 p. m., Cotese ensemble.

WOAI, San Antonio, Texas (394.5m-760kc), 8:30 p. m., Mistletoe Melody maids.

WOAW, Omaha, Neb. (526m-570kc), 6 p. m., Dorothy Chenoweth Lowden, harpist; E. M. Mills, trumpeter; 6:20, Manna Kea trio; 6:50, Randall's Royal Fontenelle orchestra; 10:30, Herb Feierman and his orchestra; 12, Roseland Radio frolic.

WOC, Davenport, Iowa (483.6m-620kc), 5:45-6 p. m., chimes concert; 7-7:30, WEAF; 7:30-8, Moline Plowboys; 8-9, WEAF; 9-10, WEAF; 11-12, LeClaire hotel orchestra; Peter MacArthur, baritone.

WOI, Ames, Iowa (270m-1110kc), 8 p. m., Home Economics orchestra.

WOK, Chicago, Ill. (217.3m-1300kc), 4:30-7 p. m., Capitol theater organ; studio program; 10-1:30 a. m., Tearney's Town club orchestra; Carl Lorraine's Pershing Palace orchestra; Husk O'Hare's Cocoanut Grove orchestra; Capitol theater program; studio program.

WORD, Batavia, Ill. (275m-1090kc), 8 p. m., Webster hotel concert trio; 8:30, recital, Cosmopolitan school of music.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Jack Chapman and his Rainbo Gardens orchestra; Clement Laskowski, tenor; 10-1 a. m., Jack Chapman and his Rainbo Skylarks; Jerry Sullivan; Rose Vanderbosch, soprano and pianist; Hal Lansing and his uke; Lew Butler; Anne Keim, mezzo-soprano; Bert Davis; Marie Pollitt, artists; 1-2, Ginger hour, Jack Chapman and his Little Skylarks.

WRR, Dallas, Texas (245.8m-1220kc), 6-7 p. m., Jack Gardner's orchestra; 8-9, fraternity program, marimba-xylophone and vibraphone player.

WSAI, Cincinnati, Ohio (325.9m-920kc), 7 p. m., music; 7:30, WEAF; 8-10, WEAF.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., Ray-O-Vac Twins; 10:45, Charles A. Sheldon, Jr., organist.

WSOE, Milwaukee, Wis. (245.8m-1220kc), 9:30 p. m., old-fashioned musical program; Underwood's Quadrille orchestra.

Mountain Time Stations

CNRC, Calgary, Can. (435.8m-688kc), 9 p. m., Jack Rushton's serenaders; Frank Hicks, pianist; Gladys Foster, violinist; Jack Rushton, saxophonist.

KFAU, Boise, Idaho (280.2m-1070kc), 8 p. m., program, Sampson Music company.

KFWA, Ogden, Utah (260.7m-1150kc), 4-5 p. m., organ recital, Paramount theater; 5-6, Ogden Radio dealers program.

KFXF, Colorado Springs, Colo. (250m-1200kc), 8:30 p. m., Russ Kemp's orchestra.

KOA, Denver, Colo. (322.4m-930kc), 12:15 p. m., Rialto theater organ recital, Marjorie Nash; 6:30, Brown Palace string orchestra.

KUOM, Missoula, Mon. (243.8m-1230kc), 8 p. m., musicale.

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-640kc), 5:30-6 p. m., Packard Six dance orchestra; 6, nightly doings; 6:30, vest pocket program; 6:45, Radiotorial period; 7-8, program, students University of Southern California; 8-9, Clara Belle Patten Wallace, contralto; 9-10, program, Chickering hall; 10-11, Jose Arias and his Mexican orchestra.

KFOA, Seattle, Wash. (454.3m-660kc), 12:30-1:30 p. m., The Young Men's Business club; 5:15-5:30, Around the Towne, KFOA.

KFON, Long Beach, Calif. (232.4m-1280kc), 6-6:30 p. m., Brayton's theater organ; 6:30-7, amusement information; 7-7:30, Spanish lesson; 7:30-8, municipal band concert; 8, book chat; 8:15-9, Long Beach municipal band; 9-10, studio program.

KFWB, Hollywood, Calif. (252m-1190kc), 6-7 p. m., dinner music, Fitzgerald Music company; 8-9, program, Corduroy Tire company; Corduroy Tire orchestra; Albert Keglovich, violinist; Estelle Shake, blues singer; 9-10, program, Don P. Smith, Inc., Diana-Moon orchestra, Sol Hoopii's Hawaiians and Ashley Sisters, vocal duets; 10-11, Warner Brothers' frolic.

KGO, Oakland, Calif. (361.2m-830kc), 8-9 p. m., Conn Marimba band, trio; 9-10, Saima Bloomquist, pianist; Finnish music program; Martha Jalava, soprano; 10-1, Brokaw and orchestra.

KHJ, Los Angeles, Calif. (405.2m-740kc), 8-10, p. m., program, Jell Well Dessert company; 10-11, Don Clark's Biltmore hotel dance orchestra.

KJR, Seattle, Wash. (384.4m-780kc), 7-8:30 p. m., Eureka mixed quartet; 8:30-10, Puget Sound Savings and Loan Association orchestra; 10:30-12, "Keep Joy Radiating Order of Bats."

KMTR, Hollywood, Calif. (238m-1260kc), 6-7 p. m., Starr Piano company studio; 8-10, KMTR concert orchestra, Loren Powell, director.

KNX, Hollywood, Calif. (336.9m-890kc), 5:30 p. m., Leighton's cafeteria orchestra; 6:30-7, Atwater Kent orchestra; 7-8, program, H. L. Crockett company, 8-9, program, Willys-Overland dealers; 9-10, KNX feature program; 10-11, Frazier's Mountain Park's program; 11-12, Ambassador hotel dance orchestra.

KOWW, Walla Walla, Wash. (256.3m-1170kc), 12-1 p. m., Rotary club program; 8-10, old time dance

GENERAL TALKS AND SPEECHES

Saturday, March 20

Eastern	Central	Mountain	Pacific
3 p. m.	2 p. m.	1 p. m.	12 m.

WFI (394.5m-760kc) "Are We Attaining World Peace," Violet Oakley.

6:15 5:15 4:15 3:15 p. m.
WOR (405.2m-740kc) Sport talk, Bill Wathey.

7 6 5 4
WDAF (365.5m-820kc) "Power Plant Engineering," A. E. Bettis.

8 7 6 5
WIP (394.5m-760kc) "Roosevelt," Hon. J. Hampton Moore.

8:45 7:45 6:45 5:45
WPG (299.8m-1000kc) "Boxing," James Monohan.

9 8 7 6
WCCO (416.4m-720kc) "Fireside Philosophies." Rev. Roy L. Smith.

9:30 8:30 7:30 6:30
WMAQ (447.5m-670kc) "Bird Banding," W. I. Lyon.

9:45 8:45 7:45 6:45
KHJ (405.2m-740kc) History story, Prof. Hertzog.
WGBS (315.6m-950kc) Emo's movie broadcast.

Monday, March 22

Eastern	Central	Mountain	Pacific
4 p. m.	3 p. m.	2 p. m.	1 p. m.

WFI (394.5m-760kc) "Japan," M. Sizukii.

5 4 3 2
WCCO (416.4m-720kc) Reader's club, Mrs. Walter Stevens.

7 6 5 4
WBZ (333.1m-900kc) "Theatrical Gossip," Sam Wren.
WDAF (365.6m-820kc) Address, Edgar A. Linton.

7:30 6:30 5:30 4:30
KSAC (340.7m-880kc) opportunity talks.
WHAR (275m-1090kc) Industrial talk, R. Orville Ketchum.

7:40 6:40 5:40 4:40
WOAW (526m-570kc) Insurance talk.

7:45 6:45 5:45 4:45
WNYC (526m-570kc), Inspirational talk, Mark Wayne Williams.

8:10 7:10 6:10 5:10
WGR (319m-940kc) Ballroom dancing, J. H. Rodenburg.

8 7 6 5
WOR (405.2m-740kc) Current events, H. V. Kaltenborn.

8:30 7:30 6:30 5:30
WOI (270m-1110kc) "Some Pointers on Increasing the Mileage of Automobile Tires," Prof. G. I. Mitchell.
WPG (299.8m-1000kc) Health talk.

8:45 7:45 6:45 5:45
WEAF (491.5m-610kc) Tower health talk.

9 8 7 6
WBAL (246m-1220kc) Talk, Herbert A. Wagner.
WMCA (340.7m-880kc), Christian Science lecture.

10:45 9:45 8:45 7:45
KTHS (374.8m-800kc) "Hot Springs," F. Leslie Body.

11:25 10:25 9:25 8:25
KGO (361.2m-830kc) "Chats About New Books," Joseph Henry Jackson.

Tuesday, March 23

Eastern	Central	Mountain	Pacific
3 p. m.	2 p. m.	1 p. m.	12 m.

KMA (252m-1190kc) Travelogue, G. H. Van Houten.

4:30 3:30 2:30 1:30 p. m.
WCCO (416.4m-720kc) "The World of Books," H. A. Bellows.

7 6 5 4
WCCO (416.4m-720kc) Gorgas Memorial, Dr. H. D. Lees.
WDAF (365.6m-820kc) Road talk.
WOAW (526m-510kc) Sports talk, Ivan L. Gaddis.

7:30 6:30 5:30 4:30
WHAR (275m-1090kc) "Glimpses Through the Stage Door," Mort Eiseman.

8 7 6 5
WCAU (277.6m-1080kc) Building and Loan talk.
WIP (508.2m-590kc) Dramatic review.

9 8 7 6
WJJD (370.2m-810kc) Talk, Matthew P. Adams.
WMAQ (447.5m-670kc) Book talk, Harry Hansen.
WRC (468.5m-640kc) Washington's Political situation, Frederic W. Wile.

9:15 8:15 7:15 6:15
KNX (336.9m-890kc) Travel talk, W. F. Alder.

9:20 8:20 7:20 6:20
WMAQ (447.5m-670kc) Travel talk.

9:45 8:45 7:45 6:45
KHJ (405.2m-740kc) History story, Prof. Hertzog.
WMCA (340.7m-880kc) "How to Drive an Automobile."
WSOE (245.8m-1220kc) "Movie Review," Peggy Patton.

10 9 8 7
WJZ (454.3m-660kc) Grand tour, London.
WLWL (288.3m-1040kc) Books, Walter V. Gavigan.

10:05 9:05 8:05 7:05
WIP (508.2m-590kc) Emo's weekly movie talk.

10:30 9:30 8:30 7:30
WCCO (416.4m-720kc) "Outdoors in Minnesota."

11 10 9 8
KGW (491.5m-610kc) Book review; word-cartoon on styles.

12 11 10 9
KGO (361.2m-830kc) "Wonders of the Sky," Henry M. Hyde.

Wednesday, March 24

Eastern	Central	Mountain	Pacific
5 p. m.	4 p. m.	3 p. m.	2 p. m.

WCCO (416.4m-720kc) Reader's club.

Eastern	Central	Mountain	Pacific
7 p. m.	6 p. m.	5 p. m.	4 p. m.

WCAP (468.5m-640kc) "Matters Before the House," Congress discussion.
WDAF (365.6m-820kc) Health talk; meat talk.

8 7 6 5
KSO (241.8m-1240kc) Health talk, Dr. E. W. Freeland.
WCAU (277.6m-1080kc) medical talk.
WOR (405.2m-740kc) "Topics of the Day," Spencer Armstrong.

8:50 7:50 6:50 5:50
WCAU (277.6m-1080kc), Advertising talk.

8:05 7:05 6:05 5:05
WAMD (244m-1230kc) "What Prominent Outsiders Think of Minneapolis and the Great Northwest."

8:15 7:15 6:15 5:15
WJZ (454.3m-660kc) Zoological society series.

9 8 7 6
WKRC (325.9m-920kc) Book talk.
WLWL (288.3m-1040kc) Talk, K. of C.
WOO (508.2m-590kc) Talk about Wissahickon.

9:45 8:45 7:45 6:45
KHJ (405.2m-740kc) History story, Prof. Hertzog.

10:10 9:10 8:10 7:10
WNYC (526m-570kc) "Trend of the Times," Dr. Sydney Meville Ussher.

10:30 9:30 8:30 7:30
KWSC (348.6m-860kc) Book reviews, Alice Lindsay Webb.

11 10 9 8
KHJ (405.2m-740kc) Talk on astronomy, Dr. Mars Baumgardt.

Thursday, March 25

Eastern	Central	Mountain	Pacific
5 p. m.	4 p. m.	3 p. m.	2 p. m.

KMA (252m-1190kc) Travelogue.
WCCO (416.4m-720kc) Reader's club.

6:30 5:30 4:30 3:30
WOR (405.2m-740kc) Sport talk, Bill Wathey.

7 6 5 4
WDAF (365.6m-820kc) Book talk, Louis Mecker.
WLW (422.3m-710kc) Golf Chats, Archie Simpson.

7:30 6:30 5:30 4:30
WGY (379.5m-790kc) WGY book chat, William F. Jacob.
WHAR (275m-1090kc) Book chat.
WIP (508.2m-590kc) "The Sequi-Centennial," Hon. Harry A. Mackey.
WPG (299.8m-1000kc) "World Wonder Excursions," Alfred James P. McClure, D. D.
WRC (468.5m-640kc) Smithsonian talk.

8:15 7:15 6:15 5:15
WSAI (325.9m-920kc) Art club talk.

8:30 7:30 6:30 5:30
WGBS (315.6m-950kc) "Footlight and Lamplight," Oliver Sayler.
WJZ (454.3m-660kc) First National pictures.
WTAG (268m-1120kc) Travel talk.

9:15 8:15 7:15 6:15
KNX (336.9m-890kc) Travel talk, W. F. Alder.

9:45 8:45 7:45 6:45
KHJ (405.2m-740kc) History talk.

10 9 8 7
WRC (468.5m-640kc) Political situation, Frederick W. Wile.

10:10 9:10 8:10 7:10
WIP (508.2m-590kc) Talk, Bishop Titus Lowe.

10:30 9:30 8:30 7:30
KHJ (405.2m-740kc) Health talk.

10:45 9:45 8:45 7:45
KHJ (405.2m-740kc) Health talk, Dr. Phillip M. Lovell.

11:05 10:05 9:05 8:05
WCCO (416.4m-720kc) Traffic safety talk.

Friday, March 26

Eastern	Central	Mountain	Pacific
3 p. m.	2 p. m.	1 p. m.	12 m.

WIP (508.2m-590kc) "Modern Miracles," Dr. Seneca Egbert.

5 4 3 2 p. m.
WCCO (416.4m-720kc) Reader's club.

6 5 4 3
WCAP (468.5m-640kc) Banking talk.

6:15 5:15 4:15 3:15
WOR (405.2m-740kc) Sport talk, Bill Wathey.

7 6 5 4
WDAF (365.6m-820kc) Address.
WOAW (526m-570kc) Music review, Hester Bronson Copper.

7:30 6:30 5:30 4:30
KSAC (340.7m-880kc) Travel talk.
WHAR (275m-1090kc), Lecture period.

7:45 6:45 5:45 4:45
WCAE (461.3m-650kc) Current motor topics, auto tours and road conditions.

8 7 6 5
WLIT (394.5m-760kc), Sports talk.
WTIC (475.9m-630kc) "Our Coast Guard," John J. Hinton.

8:05 7:05 6:05 5:05
WAMD (244m-1230kc) "What Prominent Outsiders Think of Minneapolis and the Great Northwest."

8:15 7:15 6:15 5:15
KDKA (309.1m-970kc), Health talk.
WCAU (277.6m-1080kc) Chiropractic talk.

8:30 7:30 6:30 5:30
WCAL (336.8m-890kc) "The Story of the World's Literature," Dr. George Weida Spohn.
WCAU (277.6m-1080kc), "Singing Groundhog."
WMCA (340.7m-880kc) Shoe style talk.

9:45 8:45 7:45 6:45
WSOE (245.8m-1220kc) Book review, M. S. Dudgeon.

BISHOP LOWE OF SINGAPORE AT WIP

Thursday, March 25

music, Prescott Fiddlers; 10-11, music; 11-11:30, organ concert.

KPO, San Francisco, Calif. (428.3m-700kc), 1-2 p. m., Rudy Sieger's Fairmont hotel orchestra; 2:30-3:30, matinee program; 3:30-4:30, Cyrus Trobbe's Palace hotel orchestra; 6:40-7, Waldemar Lind and the States Restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel orchestra; 8-9, KPO quartet; 9-10, Avon string quintet; 10-11, Cabirians' orchestra; 11-12, Henry Halsted's orchestra.

KPSN, Pasadena, Calif. (315.6m-950kc), 8-9 p. m., Pasadena Chamber of Commerce.

KTAB, Oakland, Calif. (239.9m-1250kc), 12-1 p. m., concert; 8-10, program.

Friday, March 26

Headliners Today

Eastern	Central	Mountain	Pacific
8 p. m.	7 p. m.	6 p. m.	5 p. m.

WWJ (352.7m-850kc) Thaddeus Wronski singers.
8:15 7:15 6:15 5:15
WTIC (475.9m-630kc) Waterbury community night.
8:40 7:40 6:40 5:40
WRVA (256.3m-1170kc) Song cycle.
9 8 7 6
KDKA (309.1m-970kc), WBZ (333.1m-900kc) Victor concert.
9:20 8:20 7:20 6:20
WOS (440.9m-680kc) World's Largest Boy Scout band.
9:30 8:30 7:30 6:30
WFAA (475.9m-630kc) Gibson Mandolin and Guitar club.
WMC (499.7m-600kc) Cooper's Hawaiians.
11 10 9 8
WSM (282.8m-1060kc) Southern quartet and glee club.
12 11 10 9
KPRC (245.8m-1220kc) Novelty program.
WBAP (475.9m-640kc) Hawaiian trio.

Friday, silent night for: CFAC, CHIC, CKNC, CKY, CNRC, CNRM, CNRO, CNRR, CNRW, KFAU, KFEQ, KFKU, KFWA, KFXF, KGO, KFAU, KLDS, KPRC, KPSN, KUOA, KUOM, PWX, WBBR, WCAD, WCBD, WEAO, WEBW, WGBS, WGST, WHAZ, WIP, WJAZ, WKRC, WLW, WLWL, WMAK, WNAD, WRC, WREO, WRVA, WSAI, WSMB, WSUI, WTAM.

Eastern Time Stations

CKAC, Montreal, Can. (410.7m-730kc), 1:45 p. m., luncheon trio.

CNRA, Moncton, Can. (291.1m-1030kc), 8 p. m., CNRA Little symphony orchestra; Raymond Leger, violinist; R. Wade, trumpetist; Alyre LeBlanc, trombonist; Mr. Cooke, drummer; Mrs. Irvine Malcolm, pianist; Percy Belyea, bassoon soloist; Gordon Douglas, bass; 10, orchestra.

CNRT, Toronto, Can. (356.9m-840kc), 6:30 p. m., dinner concert, Luigi Romanelli and his King Edward hotel concert orchestra; 9, Canadian Meistersingers, quarter numbers, solos; Kathleen Irwin, accompanist; 11, dance program, Luigi Romanelli and his King Edward hotel dance orchestra.

KDKA, Pittsburgh, Pa. (309.1m-970kc), 6:30 p. m., dinner concert; 9, Victor hour of music.

WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., dinner program; 7:30-8, quartet; 8-9, Lubov Breit Keefer, pianist; 9-10, string trio; John Wilbourn, tenor.

WBZ, Springfield, Mass. (333.1m-900kc), 6:30 p. m., Hotel Kimball orchestra; 7, music story period, Helen Leavitt; 8, Edwin J. McEnelly and his orchestra; 8:30, concert, Hotel Vendome; 9, Victor concert, Mme. Marie Jeritza, soprano of the Metropolitan Opera company and Emilio De Gogorza, baritone, WJZ.

WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert, William Penn hotel; 8, Chilcott quartet; 9:30, WEAF; 10:30, WEAF.

WCAP, Washington, D. C. (468.5m-640kc), 6-12:30 p. m., Mozart string quintet; John H. Thompson and Company, Inc., Washington realtors; music and playlet; the Little orchestra of the U. S. Navy band; WEAF; Wardman Park hotel music.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:45, Hotel Pennsylvania concert orchestra; 7:30, Snellenburg instrumental trio; 8:30, Singing Groundhog; 8:45, the Bryan Girl; 9, Regina Crooners; 9:15, Dwight Strickland, "poetician"; 9:30, the Sea Gulls; 10:30, Myers' musical architects.

WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., dinner program, Goldkette ensemble; 8-9, program; 9-10, dance music, Jean Goldkette's Breeze Blowers.

WEAF, New York, N. Y. (491.5m-610kc), 11:05 a. m., Beatrice Schwab, soprano; 12 noon, Lenten services under auspices of Greater New York Federation of churches; 4 p. m., Madeline Hunt, "The Girl from Mexico"; 4:30, Conrad Thibault, baritone; 5, Vincent Lopez and orchestra; 6, dinner music, Hotel Waldorf-Astoria; 7, Michael Markels dance orchestra; 7:45, Dicken's corner; 8, Happiness Candy Boys; 8:30, Eagle Neutrodyne trio; 9, City Service quartet and orchestra; WEEI, WOO, WEAR, WGN, KSD; 9:30, the Vikings, WJAR, WGR, WTAG, WCAE, WOC, WWJ, KSD, WEAR, WCAP; 10, Whittall Anglo-Persians, WEEI, WCAP, WJAR, WTAG, WCAE, WOO, WOC, WGR, WCCO, WWJ, KSD, WEAR, WGN; 10:30, Antonio Lanasa tenor; 10:45, Eleanor Bahntge pianist; 11, Ben Bernie and orchestra.

WEBJ, New York, N. Y. (272.6m-1100kc), 7 p. m., Brnox Ritz theater ensemble; 7:45, Milton Yokeman, tenor, accompanied by Norman Hennefeld; 8, Jeanne A'Dair, singing composer; 8:15, Joseph Zablow, baritone; 8:30, Al Ciccone and his Harlem Tea Garden orchestra.

WEEI, Boston, Mass. (248.6m-860kc), 12:15 a. m., service Keith's theater; 3:05 p. m., Wm. A. Murphy, baritone; Margaret Murphy, accompanist; 5, Frankie Ward and his orchestra; 6:13, Joe Rines and his Hunter's Cabin orchestra; 7:30, Whiting Milk company program; 8, musicale; 8:30, Neapolitan Ice Cream company program; 9, WEAF, musicale; 9:30, Carter's Incas; 10, WEAF; 10:30, Scotty Holmes and his orchestra; Imperial marimba band.

WFI, Philadelphia, Pa. (394.5m-760kc), 1 p. m., Tea Room ensemble; 3, Sesqui Centennial program; 6:30, Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra.

WGBS, New York, N. Y. (315.6m-950kc), 1:30 p. m., Leonard Garfunkel, pianist; 3:10, Suzanne Stone, harpist; 6, Uncle Geebee; 6:30, Anzell's orchestra.

WGCP, New York, N. Y. (252m-1190kc), 3 p. m., Rosa Elvira George, pianist; 3:30, Sherman and Neal, songs; 3:45, Marie Kalla, songs; 4:10, Alfred Hall, baritone; 4:20, Miriam Davis, songs; 4:45, Rubey Cowan, entertainer; 5:10, Clarence Profit, pianist; 7, China Royal orchestra; 7:30, Billy Ihlefeld, singing pianist; 8, Milt Simpson, comedian; 8:15, studio program.

WGHB, Clearwater, Florida (266m-1330kc), 6:30-7:30 p. m., Mandalay orchestra; 8:30-10, diversified program, Bill Ewin and L. W. Joys "The Realtroubadores"; 11:45-1 a. m., Harold Crocker and his Gator orchestra.

WGR, Buffalo, N. Y. (319m-940kc), 2:30 p. m., WGR's afternoon program; 6:30, Clef trio; 7:30, WEAF; 9, Winger's Crescent Park entertainers; 9:30, WEAF; 10:30, Hewitt Humorists; 11, Vincent Lopez's Hotel Statler dance orchestra, Harold Gieser, director, John F. Gunderman, Jr., organist.

WGY, Schenectady, N. Y. (379.5m-790kc), 2 p. m., Asia Restaurant orchestra; 7, Eastman theater orchestra; WHAM; 8:15, fourth episode of mystery play, "A Step on the Stairs"; 8:30, WGY orchestra; 9, Victor program WJZ, Maria Jeritza, metropolitan soprano and Emilio De Gogorza, baritone; 10, play, "Border Lines," Emma S. Backus.

WHAR, Atlantic City, N. J. (275m-1090kc), 2 p. m., Seaside hotel trio; 8, Seaside hotel trio.

WHN, New York, N. Y. (361.2m-830kc), 6 p. m., People's hour; 7, Harry Richman and his entertainers; 7:30, Melody club orchestra; 8, Uncle Robert's chat; 10, Roseland dance orchestra; 10:30, Anatol Friedland; 11, Twin Oaks orchestra; 11:30, Kit Kat club orchestra; 12, Silver Slipper orchestra; 12:30 a. m., Avalon club orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 1 p. m., Gimbel tea room orchestra; 6:05, Benjamin Franklin hotel concert orchestra; 7, Uncle Wip's bedtime stories; Anna Daney and Sarah Reed, piano solos.

WJAR, Providence, R. I. (305.9m-980kc), 1:05 p. m., Howard and Harris; 8, musical program; 8:30, Gorman's Jolly Bakers; 9, musical program; 9:30, WEAF; 10, WEAF; 10, Providence-Biltmore dance orchestra.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Jean Goldkette's symphony orchestra; soloists; 9, Mulkey Celebrities.

WJZ, New York, N. Y. (454.3-660kc), 12:15 p. m., music from Brick Presbyterian church; 1, Hotel Ambassador trio; 4:35, Hotel Astor tea orchestra; 7, Hotel Commodore concert orchestra; 7, New York university concert orchestra; 8, Sundial shoe serenaders; 8:30, Bonnie Laddies; 10:30, Hotel Lorraine grill orchestra.

WKAR, East Lansing, Mich. (285.5m-1050kc), 8-9 p. m., State department program.

WLIT, Philadelphia, Pa. (394.5m-760kc), 12:20 p. m., religious service; 12:35, Arcadia cafe concert orchestra; 2, Arcadia cafe concert orchestra; 2:30, playlet, students national school of oratory and elocution; 8, sports talk; 8:15, talk; 8:30, recital; 10, Morning Glory club; Arcadia cafe dance orchestra; Zoehrns and Herscher, popular songs; 10:30, Rufus and Rastus; 11, continuation of Morning Glory club oncert; musical comedy stars.

WMAZ, Macon, Ga. (261m-1150kc), 9-10 p. m., A. L. Glasco, Negro spirituals; 10-11, Prof. Joseph Maerz, pianist.

WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Olcott Vail and his Hotel McAlpin string ensemble; 6:30, Ernie Golden and his Hotel McAlpin orchestra; 7:30, Sach's Musical Monarchs; 8:50, Broadway Assn.; 9, Hardman hour of music; 10:30, Parody orchestra; 10:45, Van and Schenck; 11, Hofbrau Haus entertainers; 11:30, Jack Denny's orchestra; 12 m., McAlpin entertainers.

WNYC, New York, N. Y. (526m-570kc), 6:20 p. m., songs; 7:35, concert program; 8:30, violin recital; 9:30, instrumental features.

WOO, Philadelphia, Pa. (508.2m-590kc), 11 a. m., organ recital; 12:02 p. m., Golden's crystal tea room orchestra; 4:45, organ recital; 3:30, Adelphia dance orchestra; 8, WOO orchestra; 9:25, Fox theater program; 10, WEAF; 10:30, Sylvania dance orchestra.

WOR, Newark, N. J. (405.2m-740kc), 6:40 p. m., studio program; 7, Copenhagen quartet.

WPG, Atlantic City, N. J. (299.8m-1000kc), 6:45 p. m., Arthur Scott Brook, organist; 7, Hotel Traymore dinner music; 8:15, Sol Kendis, Chick Leonard entertainers; 9, Hotel Traymore concert orchestra; 9:30, dance orchestra; 10, James' Salt Water Taffy Boys' dance orchestra; 11, Jean Wiener, organist.

WRC, Washington, D. C. (468.5m-640kc), 12:30 p. m., service, Keith's theater; 1, Meyer Davis' New Willard hotel orchestra; 3:30, U. S. Marine band; 5, W. Spencer Tupman's hotel Mayflower orchestra.

WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., Speed-Wagon serenaders and Gold Standard ensemble.

WRVA, Richmond, Va. (256.3m-1170kc), 7 p. m., Hotel Richmond orchestra; 8:10, Art Perkens and his ukulele; 8:40, Cadman's "Morning of the Year," song cycle, mixed quartet, violin, piano; 10, Hotel Richmond winter garden orchestra; 11, Carry Me Back to Old Virginny.

WTAG, Worcester, Mass. (268m-1120kc), 12:05-2 p. m., WTAG orchestra; 8:15-9:30, concert; 9:30-10, WEAF; 10-10:30, WEAF.

WTAM, Cleveland, Ohio (389.4m-770kc), 12:15-1:30 p. m., Guy Lombardo and his Royal Canadians; 6-7, Carl Rupp and his Hotel Hollenden orchestra.

WTIC, Hartford, Conn. (475.9m-630kc), 11:25 a. m., Laura C. Gaudet, pianist; 12:05-1 p. m., Travelers club orchestra; 6:30, Hub trio; 8:15, Waterbury community night.

WWJ, Detroit, Mich. (352.7m-850kc), 12:05 p. m., Jules Klein's Hotel Statler orchestra; 3, Detroit News orchestra; 6, dinner concert; 8, Thaddeus Wronski singers; 9:30, WEAF; 10:30, dance program.

Central Time Stations

KFAB, Lincoln, Neb. (340.7m-880kc), 5:30-6:30 p. m., dinner concert; 8:30-10:30, Peterson family orchestra; staff artists.

KFMX, Northfield, Minn. (336.9m-890kc), 10-11 p. m., organ recital.

KFRU, Columbia, Mo. (499.7m-600kc), 8:45 a. m., musical program; 6:15 p. m., dinner program.

KLDS, Independence, Mo. (440.9m-680kc), 6:30 a. m., service.

KMA, Shenandoah, Iowa (252m-1190kc), 11:30-12:30 p. m., travel, G. H. Van Houten, piano solos; 2, Van Houten; 6-7, Grady and Doc; 9-11, band music.

KMOX, St. Louis, Mo. (280.2m-1070kc), 12:30 p. m., organ recital, Arthur Utt; 6, organ recital, Arthur Utt; 6:30, Mrs. Jaques Landree, organist; 7, orchestra; "Buster Brown," Charlotte and her uke; 8, orchestra; Minna and Ida Moerschell, solos and duets; 9, artists program; 10, orchestra.

KSD, St. Louis, Mo. (545.1m-550kc), 7:30 p. m., "Commerce hour"; Margharetta Donati-Burgin, violinist; 8-10, WEAF.

KSO, Clarinda, Iowa (241.8m-1240kc), 7:30-9:30 p. m., L. H. Steen.

KYW, Chicago, Ill. (535.4m-560kc), 12:05-1 p. m., concert, Commonwealth Edison company; 1-2, Joska De-Babary and his orchestra; Coon-Sanders orchestra; 6, dinner concert KDKA, KYW and WBZ; 9, music, Commonwealth Edison company studio; 10-12:30 a. m., midnight revue; Coon-Sanders orchestra; 1-2 a. m., "Insomnia Club," Coon-Sanders orchestra.

WAMD, Minneapolis, Minn. (243.8m-1230kc), 7:10 p. m., Minneapolis public school hour; 8, reception five program; 11, Skyrocket frolic; George Osborn and his orchestra.

WBAP, Fort Worth, Texas (475.9m-630kc), 12:05-12:30 p. m., music; 6-6:30, Chief Gonzales' Texas hotel orchestra; 7:30-8:30, First Baptist church choir; 9:30-11, concert, Mrs. Echols Orum and artist; 11, the Panther Hawaiian trio.

WBBM, Chicago, Ill. (226m-1330kc), 4-6 p. m., Harry and Sandy; Harold Morava, tenor; William Dalton, baritone; Joe McManus; Ralph Botthof; 8-10, Two Jays; Jack Crawford's orchestra; Barber Shop three; Ziegler stars; Dave Handler, violinist; Floyd Falch.

WCAL, Northfield, Minn. (336.9m-890kc), 8:30 p. m., Ella Hjertaas, contralto; Comfort Hinderlie, pianist; Grace Holstead, soprano; Gertrude Hilleboe, reader; Bernice O'Hara, violinist.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 2:30 p. m., concert; 6:15, dinner concert; 8, the Watkins Family party; 9, WEAF; 10:05, music.

WCOA, Pensacola, Florida (222m-1350kc), 7 p. m., Excelsior string quartet; Mrs. S. Henry Brown, vocalist; Howland trio; Harry T. Howland, Jr., soloist; Dr. C. H. Nabors, in witticisms; Mrs. Pauline Whitwell, pianist; Clara Frenkel, soloist; Pensacola Jazz band, Wildcats from Jazzland.

WEBH, Chicago, Ill. (370.2m-810kc), 3-4 p. m., special features; 7-8, Oriole concert orchestra; Pauline Sachs, soprano; Eleanor Kaplan, violinist; 9-9:45, Oriole dance orchestra; Dennis Sisters; Bernard Weber, tenor; 11-12:30 a. m., Oriole dance orchestra; Irene Beasley, Dennis Sisters.

WFAA, Dallas, Texas (475.9m-630kc), 1:30-2 p. m., Raymond Roy Harrison, pianist and singer; 2:30-3, Baker Hotel Symphony five; 6:30-7:30, Hauulea school of Hawaiian musicians; 8:30-9:30, Tom D. Collins and the Gibson mandolin and guitar club.

WGBF, Evansville, Ind. (236.1m-1270kc), 8 p. m., Hennighof Nolan company, musical program; 11, D. X. Hunting club.

WGES, Oak Park, Ill. (250m-1200kc), 5-7 p. m., duo, mezzo-soprano, quartet, organ; 8-9, orchestra pipe organ soprano, tenor, pianist; 11-1 a. m., banjo fiends, organ; Coyne orchestra, comedian, uke girl.

WGN, Chicago, Ill. (302.8m-990kc), 12:40-2:30 p. m., luncheon concert, Drake ensemble, Blackstone string quintet; 2:30-3, Lyon and Healy artists; 3:30-4:15, Tea Time music, Marshall Field's tea room orchestra, 4:30-5, organ recital, Edward Benedict; 6:30-7, concert ensemble, Blackstone string quintet, old-time favorites; 8-9, WEAF program; 9-10, WEAF program; 10-10:10, Sam 'n' Henry; 10:10-10:20, old-time favorites; 10:20-10:40, the Playshop; 10:40-11, popular and dance program.

WHAD, Milwaukee, Wis. (275-1090kc), 6:15-7 p. m., organ recital. Arthur Richter; 8:30-10, Marquette university studio program, vocal, string quartet, orchestra.

WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., concert.

WHB, Kansas City, Mo. (365.6m-820kc), 7-8 p. m., Sweeney Radio orchestra.

WHO, Des Moines, Iowa (526m-570kc), 7:30-9 p. m., Bruce Lybarger, violinist; Masonic quartet; Norman Jackson and Henry Lewis, Hawaiian guitarists; Stewart Watson, baritone; 11-12, dance program, Bankers Life "Corn Sugar" orchestra.

WHT, Chicago, Ill. (399.8m-750kc), 12 m., Al Carney's complimentary organ recital; 6, classical program; dinner organ recital, Al Carney; Grayling's string trio; Helen Rauh, pianist; Charles Hussey, basso; 6:50, Ray-O-Vac concert; 9:15, musical features; Cinderella Cafe orchestra; 9:30, novelties; 11:30, Pat Barnes and Al Carney; Cinderella Cafe orchestra; 12, Pat Barnes and Al Carney.

WIBO, Chicago, Ill. (225.4m-1330kc), 2-4 p. m., Shutins program; Ted Fiorito, pianist; Dan Russo, violinist; Marie Tully, songster; readings, Wayne Myers; songs, Rita McFawn and Mary Bieber; Louise Lockifer, reader; Clifford Berge, violinist; Al Benson, Gail Bandell; 6-8, dinner concert; Joe North, baritone; Evelyn Nelson, pianist; Florence Osterman, contralto; Ray McKay, baritone; Elsie Orr, soprano; Mary Thrash House, pianist; string trio; 10-2 a. m., popular program; Marie Tully, songs; Dan Russo, violinist; Ted Fiorito, pianist; Wayne Myers, monologist; songs, the Jordans; Ruby Rossini, Lauretta Giles, Tommy Smith.

WJAD, Waco, Texas (352.7m-850kc), 8:30-10 p. m., dance orchestra.

WJJD, Mooseheart, Ill. (370.2m-810kc), 12-1 p. m., Palmer House symphonic players; trio; 2-3, organ hour, Howard L. Peterson; child artists; assembly of 1,250 children; 5:30, instrumental hour; Palmer House symphonic players; Jack Nelson; Victorians; 6:40, Billy Van; 8-9, children's hour; 10-11, feature hour; Senator Harold C. Kessinger; Palmer House Victorians; Jean St. Anne; 12:30 a. m., Knights of the Burning Candle.

WLIB, Chicago, Ill. (302.8m-990kc), 7-7:20 p. m., Uncle Walt's Punch and Judy show; 7:20-7:30, Correll and Gosden; 7:30-8, program; 11-11:20, Correll and Gosden; 11:20-1 a. m., dance music; Correll and Gosden.

WLS, Chicago, Ill. (344.6m-670kc), 12 a. m., Ford and Glenn; 6 p. m., Ford and Glenn; 6:40, Ralph Emerson at our Barton organ; 7:15, WLS studio trio picture concert; 7:45, Jeanette Kling, reader; 8, H. D. Saddler feature; 8:30, Illinois Wesleyan glee club minstrels; 9, Young American artists series; 9:30, Nash band; 10:15-11, Ford and Glenn music shop.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 8:30, Rosseter Cole, George Simons; 9, lecture, U. of C.; 9:20, La Salle Extension university quartet.

WMBB, Chicago, Ill. (250m-1200, 7-8 p. m., Trianon duo; Vella Cook, contralto; Frank Bordner, baritone; McCredy and Hart, Harmony duo; 9-11, Trianon orchestra; Woodlawn theater orchestra; Joe Warner, character song; Andy Anderson, baritone; Arnold Stevenson, musical saw; Bob Bennett, piano novelties.

WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Cooper's Hawaiians; 11, frolic.

WOAI, San Antonio, Texas (394.5m-760kc), 8:30 p. m., San Antonio College of music.

WOAW, Omaha, Neb. (526m-570kc), 6:20 p. m., Francis Potter's banjo orchestra; 6:50, Gilber Jaffy, violinist; Nat Young, pianist; 10:30 Frank Hodek and his Nightingale orchestra.

WOC, Davenport, Iowa (483.6m-620kc), 4-5 p. m., Crescent orchestra; 5:45-6, chimes concert; 7:30-8:30, Broadway Presbyterian church choir; 8:30-9, WEAF; 9-9:30, WEAF; 10:30, "A Step on the Stairs," mystery drama, Episode V.

WOK, Chicago, Ill. (217.3m-1300kc), 4:30-7 p. m., Capitol theater organ; studio program; 10-1:30 a. m., Tearney's Town club orchestra; Carl Lorraine's Pershing Palace orchestra; Husk O'Hare's Cocoanut Grove orchestra; Capitol theater program; studio program.

WOOD, Grand Rapids, Mich. (242m-1240kc), 9-10 p. m., Robert Hazenberg and Robert DeJonge, saxophonists; Alida Vandenberge, pianist; Douglas Latto, violinist; Lillian DeBree, accompanist; Benjamin and Edwin Van Houten, harmonicists; 10-11, classical concert; H. P. Vaughn, baritone; Melissa Dvorak, pianist; 11-12, Regent Roof Radio frolic, Bill Dallavo and his orchestra.

WORD, Batavia, Ill. (275m-1090kc), 7 p. m., "North Shore Line"; 9-10, musical program; 11-12, program.

WOS, Jefferson City, Mo. (440.9m-680kc), 8:20, program, Springfield chamber of commerce; Boy Scout band.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., dinner concert, Jack Chapman and his Rainbo Gardens orchestra; Henrietta Nolan, violinist; H. Bundy; Billy Harriss, pianist; Sheppard Levine, tenor; 10-1, a. m., Jack Chapman and his Rainbo Skylarks; H. Lucille Long, woman harmonica player; Eleanor Terry; Romo Vincent, boy baritone; Merrill Carder, baritone; Johnny Poat, baritone; Tell Taylor; Harold Olson, baritone; Clark's Hawaiian trio; artists; 1-2, Ginger hour, Jack Chapman the Ginger Man and Little Skylarks.

WRR, Dallas, Texas (245.8m-1220kc), 6-7 p. m., Jack Gardner's orchestra; 8-9, Mrs. Thomas H. Littlepage's musical program; 11-12 a. m., novelty program.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., G. M. A. glee club; 10:45, entertainment.

WSM, Nashville, Tenn. (282.8m-1060kc), 7:15 p. m., Francis Craig's orchestra; 8, Vanderbilt university; 10, Southern quartet and glee club.

WSOE, Milwaukee, Wis. (245.8m-1220kc), 5:10 p. m., twilight campfire, Boy Scouts; 9, Candygram review.

Mountain Time Stations

CNRE, Edmonton, Can. (516.9m-580kc), 8:30-10:30 p. m., studio program, A. Nizoff, violinist; instrumental quartet; four violinist; Hector MacFadyen, pianist; C. Brissette, baritone; J. Tyler, Spanish guitar soloist; Josephine David, pianist; Mrs. Ethel Willing, soprano.

KFWA, Ogden, Utah (260.7m-1150kc), 4-5 p. m., organ recital, Paramount theater; 5-6, Ogden Radio dealers program; 10-11, "Merry Mad Music Makers."

KOA, Denver, Colo. (322.4m-930kc), 12:15 p. m., Rialto theater organ recital, Marjorie Nash; 6:30, Brown Palace string orchestra; 8, Schoenerman's Colorado orchestra; 8:15, chamber of commerce program.

Pacific Time Stations

CNRV, Vancouver, Can. (291.1m-1030kc), 8:30 p. m., B. C. musical festival; Frances McDonald, pianist; Alice Metz, violinist; Rostland Wilson, soprano; Norma Malcolm, contralto; Sydney Hollis, tenor; Jack Hamilton, bass; Mr. Vivan and Mary Dawson, accompanists; 10:30, Cabaret Belmont orchestra; Bebe Mullar, soprano.

KFI, Los Angeles, Calif. (467m-640kc), 5:30-6 p. m., Kenneth Morse's orchestra; 6, nightly doings; 6:30, vest pocket program; 6:45, Radiotorial period; 7-8, dance program; 8-9, Dan L. McFarland, organist; 9-10, Paul Roberts, pianist; Mutual Motors mirth contest; 10-11, Packard Ballad hour featuring popular songs.

KFOA, Seattle, Wash. (454.3m-660kc), 5:15-5:30 p. m., Around the Towne, KFOA; 7-8:15, Sherman Clay and company studio program; 8:30-10, Times studio program; 10-11, Jackie Souder's club Lido serenaders.

KFON, Long Beach, Calif. (232.4m-1280kc), 6-6:30 p. m., Brayton's theater organ; 6:30-7, amusement information; 7-8, program, Dalton & Hoagland company; 8-9, Press-Telegram studio; 9-11, Long Beach Elks, No. 888, frolic.

KFWB, Hollywood, Calif. (252m-1190kc), 6-7 p. m., dinner music, Fitzgerald Music company; 8-9, program, John Wright, the Right Tailor with Bill Hatch's orchestra; Peggy Mathews, blues singer; Bill Blake, tenor; 9-10, Len Nash and his original Country Boys orchestra; 10-11, Warner Brothers frolic.

KGO, Oakland, Calif. (361.2m-830kc), 4-5:30 p. m., Hotel St. Francis concert orchestra; 6-6:55, dinner concert.

KHJ, Los Angeles, Calif. (405.2m-740kc), 8-10 p. m., program, Western Auto Supply company; 10-11, Don Clark's Biltmore hotel dance orchestra.

KJR, Seattle, Wash. (384.4m-780kc), 7-8:30 p. m., old time songs, Lundquist-Lilly male quartet; 9:30-10, Post Intelligencer studio program.

KLX, Oakland, Calif. (508.2m-590kc), 8-9:45 p. m., studio program; 9:45-10:30, Athens Athletic club orchestra.

KMTR, Hollywood, Calif. (238m-1260kc), 8-10 p. m., KMTR concert orchestra, Loren Powell, director with Neil Russell as soloist; 10-11, Starr Piano company studio.

KNX, Hollywood, Calif. (336.9m-890kc), 5:30, Leighton's cafeteria orchestra; 6:30-7, Atwater Kent orchestra; 7-8, program, Jell-X-Cell company; 8-9, program, John A. Vaughn corp.; 9-10, Order of Optimistic Donuts; 10-11, fights, Hollywood Legion stadium; 11-12, Ambassador hotel dance orchestra.

KOWW, Walla Walla, Wash. (256.3m-1170kc), 8-10 p. m., McDonald school of music; 10-12, Blue Mountain Blue Jay program.

KPO, San Francisco, Calif. (428.3m-700kc), 1:30-2 p. m., Rudy Seiger's Fairmont hotel orchestra; 6:30-7, Waldemar Lind and the States Restaurant orchestra; 8-9, studio program; 9-10, Palace hotel orchestra; 10-11, Waldemar Lind and the States Restaurant orchestra; 11-12, Henry Halsted's orchestra.

KTAB, Oakland, Calif. (239.9m-1250kc), 12-1 p. m., concert; 8-10, program, Breuner's.

KWSC, Pullman, Wash. (348.6m-860kc), 7:30-9 p. m., Garfield high school girls' program; girls sextet; Ukulele four.

Educational Lectures Are Popular Feature of CKY

WINNIPEG, Canada.—The first series of university extension lectures to be broadcast in Canada was introduced in March, 1923, at CKY, Winnipeg. At that time no definite attempt was being made to use Radio in the dominion for educational purposes.

Prof. W. T. Allison, Ph. D., was quick to seize the opportunity presented when CKY decided to emphasize the educational possibilities of broadcasting and it is thanks to his vision and industry that the university lectures have become so popular with Radio fans in the prairie provinces. The professor is in charge of the Extension Service department of the University of Manitoba. He is also president of the Canadian Authors' association.

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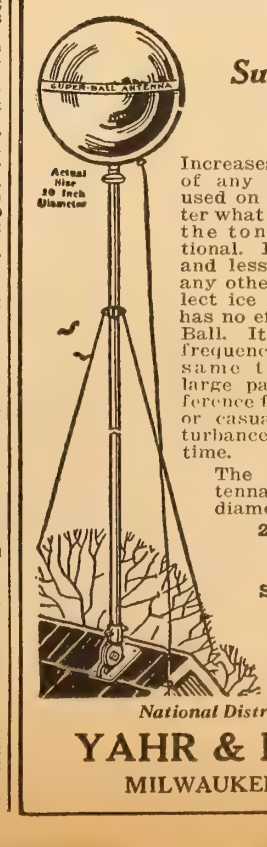

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Farm Radio Breaks Monotony

"GIVEN her choice between a Radio and an electric washing machine, the average farm woman will take the Radio. She'd rather have a telephone than a water heater and a piano than stationary laundry tubs."

So says Mrs. H. M. Dunlap, wife of a man from the farm who has been elected to serve his district in the state legislature for thirty-two years. She herself has done all kinds of farm work and knows every phase of farm life in her forty-nine years on the farm.

The farm woman prefers escape from monotony rather than from drudgery, she explains. That is why the preference for Radio, the telephone and the piano over purely labor-saving devices. Her statement is based on a report representing the farm home life of 2,200,000 persons living on 445,987 farms in 237 communities. It is not merely hearsay.

We are glad that Radio helps the farm woman with her burden. It makes the drudgery seem less arduous, for we all can work and live happier with music in our souls.

"Step On the Stairs" Is Hit

ALWAYS at the outset of a brand new enterprise, while it may have been enthusiastically prearranged and planned, there is that moment of doubt when we wonder if the enterprise is going to "go over."

That was the feeling of Radio Digest when "A Step On the Stairs" was planned and started on its way to the stations to be broadcast as a serial mystery drama.

Would the public like it? Did the lines hold their interest? Could it be done so as to please the fans and make them want more?

New York greeted it with a tremendous ovation. J. Andrew White, the famous sports announcer, said, "'A Step On the Stairs' has them all licked. It's absolutely the best thing of its kind I've heard played." Minneapolis-St. Paul's applause, too, was abundant. The Pacific coast was free with congratulations. Chicago met the serial play and was conquered.

And we are glad. We would not want to sponsor and promote an enterprise that is not popular. We hope the public likes this new form of Radio entertainment, and wish to get individual expressions from listeners.

Laughs in the Studios

BROADCASTING stations, like other places, have their little laughs. Humorous happenings repeat themselves at the studios. Among the more common jokes is the entertainer who has his or her telephoned, telegraphed and written applause "planted" or arranged. It's bound to arrive, and many times does before the entertainer has appeared at the microphone.

The thousands of saxophonists, according to Radio program directors, who represent themselves to have been with the original Brown Brothers saxophone sextet, always draw a chuckle. Evidently the sextet was an army at one time or other.

The effusive maidens, worldly unwise, who formerly were matinee idol or movie hero worshippers, enter the comic side of broadcasting by their persistent correspondence. But the wives of the announcers don't mind. They are good sports.

In the same picture fits the adolescent male who hears a rippling soprano and henceforth falls in love. Many are the disillusionments when these youths learn their sopranos are past middle age and have married sons and daughters.

The "Big Business Men" from most anywhere, who are big hearted and willing to entertain their friends over the microphone, make up another class of amusing studio pests. You would think they were doing the stations a big favor, but tactful studio directors are usually able to handle the situation.

So broadcasting stations are human, after all. There are many laughs guaranteed at any studio, but we can't tell you all of them for that would spoil the illusion. Then perhaps you'd lose your interest in the mystery of the microphone.

RADIO INDI-GEST

Fable of the Chimes

Davenport was busy sending
Chimes, as they so often do—
And far off in Indiana,
Listening in and talking, too,
Two old men sat near a speaker
—One was very much impressed
By the beauty of the chimes and
His old crony he addressed:

"Them there chimes is mighty pretty!"
—But the other did not hear.
"Said those chimes is mighty pretty!"
He repeated loud and clear.
Still the other did not hear him—
—Only shook his old gray head—
So the first one fairly shouted:
"Chimes is BEAUTIFUL!—I said."

But the other could not hear him
And once more he shook his head
And confessed again he couldn't
Hear a "bloomin' word" he said!
"I can't hear a thing you're sayin'"
—These sad words his friend he tells—
"I can't hear a word you're speakin'
For them gosh-danged ornery bells!"

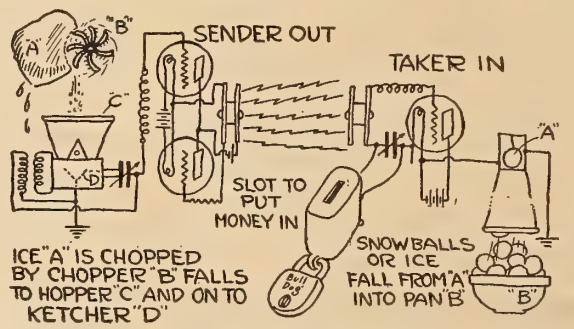
CHARLES ALLEN BRANHAM

What Will Red Grange Do for a Job?

Fairice, Alaska.

Dear Indi-Gest: Thanks for telling me what made Oglahooha tern red.

Here is dyeagram of my new invenshun to ship ice by Radio so the people down to WJAX can get as much water in lumps as they want for thirty8sents. It works kinda cause I tried it out on some eskimauxes and when I turned on the juice, they wanted to use the head



phones for ear muffs. Doc Cook herd of it and told the warden to tell me I'm a genius. So's his uncle.

All you have to do is put the thirty8sents in the slot and turn the dial to the amt of ice wanted and it will come out in frozen snowballs reddy to be served. I'm smarter than the averidge person. Always as ever.

KITTLE DRUMMER

All Right Mildred, Call the Roll

Both Noah and his son, Ham, made the Famous Fans club. Nominations are now in order.

Adam is the next celebrity for your consideration. He has been nominated by three persons. H. Gordon Hooton puts him up for membership because he did not get his "head set" on Eve and "transformer," and by H. M. Boorn because he sacrificed a rib to get a loud speaker. J. S. Neal adds that Adam should have special recognition because the speaker was made out of spare parts.

On My Ray De Yo

I bought myself a nine tube set,
Just twelve more payments to be met—
There's nothing that I shouldn't get
ON MY RAY DE YO.

A station down in Alabam'
Gives a pretty good program,
But all I get is bam—bam—BAM!
ON MY RAY DE YO.

I thought I'd like to hear Denver—
My set would surely bring in her.
The best I heard was whir—whir—WHIR!
ON MAY RAY DE YO.

Some friends of mine did me beseech
To try to tune in on Palm Beach.
I tuned in only screech—screech—SCREECH!
ON MY RAY DE YO.

The paper is before me now—
A farmer wants to trade a cow.
I think I'll see what he'll—al—LOW!
ON MY RAY DE YO.

MELANCOLUMN

A. Conan Doyle—Ask It Not To

Dear Indi: See where a mouse was killed when it short-circuited the system at CKAC. Maybe that's where all the squeals were coming from. Hope its ghost don't come back to haunt us. SHOBIE

Pay Cash and Save Receipts

This is to warn Radio fans not to buy Radio supplies on credit because if shops will recharge batteries they will do the same thing on other accessories. *INDI*

Holding Up His End

Condensed

BY DIELECTRIC

Somewhere I read a criticism of darky melodies to the effect they were presented too frequently. Maybe so, but I'm wondering if that person listened to the Tuskeegee quartet as they sang from the studio of Station WSB, Atlanta. There are some correspondents to Radio Digest who express a preference for jazz to the exclusion of classical music. They were well answered recently in the Reader's View column. These negro melodies are an essential part of American musical history and never so well rendered as by trained NEGRO singers.

Station WGY, Schenectady, selected one of the old melodious Italian grand operas to entertain their Radio listeners—an opera containing at least one aria familiar to all, "The Last Rose of Summer," from Martha. The spirited singing of the chorus was particularly enjoyable, if not the most so of the entire opera. Surely Martha is easily understood.

What has happened to Station WMBF? During the presentation of a dance program we had to await the completion of several numbers before learning the identity of the station. Let WMBF remember there are several broadcasting stations in that booming state, some of which reach farther north and with greater power than it. The station calls demand slight effort on the part of the announcer and must be given as requested.

Despite my good friend, The Third Trombone Player, I am not a soak nor even moist by Volsteadian measurement, yet my dials were carefully set to WRC's wave to listen to the fiery oratory of Senator Edwards, of New Jersey, who preceded Senator Brookhart, of Iowa. The idea of a "forum" as arranged by this Washington, D. C., station is a good feature. It allows us folks back home to hear our brilliant representatives talk on subjects they think we want them to talk about. We do. It sometimes happens they don't take the side we take, though. Until these gentlemen spoke over the Radio, no one knew the anti-saloon league was a super-state, involving entanglements—in spirit at least.

Listening to Radio features seldom make one dizzy, except where a learned professor talks on an abstract thesis, or three stations on low meters play the Charleston in thirds. However, Station WLS, Chicago, made some dizzy flights from Georgia to South Dakota and back, covering the country housing their many stores—the Sears-Roebuck stores of course. Anyone familiar with the cities visited could readily picture them as the director of the tour described various streets with their landmarks. This proved to be an entertaining diversion.

I can find no especial reason for lingering around Billy Penn's statue to overhear what Station WOO has to profer, though at times on the way down from WOAW, or WHO, I stay in Philadelphia a moment or two. On the last occasion it was to find a clear harmonic of the station on about 260 meters. This time listeners were being entertained with dance music from the Hotel Sylvania. The music was not bad at all and, in fact, our stay was beginning to become pleasurable when it came time to sign off for the night. Then the announcer dismissed his unseen audience in a perfunctory manner never approached in the experience of Dielectric by any other station. Really frigid.

ABC Radio Fundamentals for Everybody

Chapter XI—Radio Receiving Circuits (Cont.)

By Milo Gurney

IN the fall of 1922, a considerable furore was created in Radio circles by the advent of a group of circuits called reflex. In these, one or more tubes were so connected as to do double duty through functioning as both radio and audio frequency amplifiers. In these first circuits, the current at radio frequencies went through the tubes progressively, into the detector and then, at audio frequencies, went through the amplifying tubes a second time in 1, 2, 3 order. The straight reflex was followed by another system termed Inverse Duplex. In this system, the energy at radio frequencies first goes through the tubes in 1, 2, 3 order, as before, but the audio frequencies are passed back through the tubes in 3, 2, 1 order. This gives a better balance in that minimum radio frequency energy and maximum audio frequency energy are on the first tube, while maximum radio frequency currents and minimum audio frequency values are on the third tube.

In both systems, either a crystal or tube detector might be used, with the latter favored because of increased stability. In many cases these circuits functioned acceptably, although as a rule they were lacking in sufficient selectively and were difficult to keep in a condition of sensitivity just below oscillation.

In Defense of Reflex

In defense of the circuit, it is but fair to state that the prime reason for its present lack of popularity rests upon the fact that the early efforts showed the need of added research. It is readily possible at present to construct reflex circuits which are not only more selective but compare favorably with many circuits which are less involved in critical constructional details.

A typical reflex circuit is shown in figure 26. This is a three tube idea using a crystal as detector, and comprising a total volume output equivalent to five tubes. The circuit indicates no radical departures from standard reflex circuits, while it is dependent, as all other reflex circuits are, upon a correct balancing of capacities together with the strict avoidance of interstage coupling for successful operation.

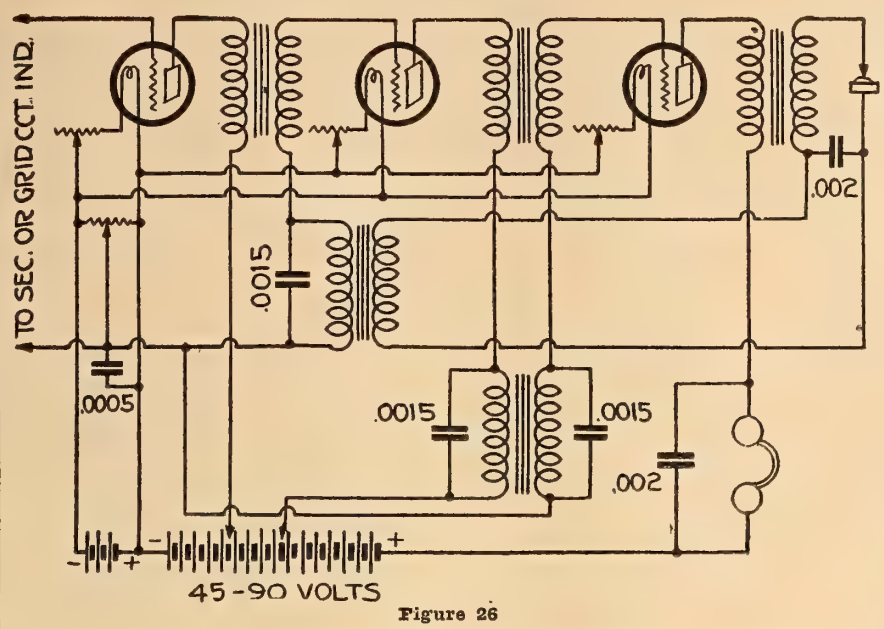


Figure 26

Hazeltine Starts Avalanche

As outlined in last week's article, great credit is due Professor Hazeltine, inventor of the neutrodyne method of oscillation suppression. His work acted as the incentive for a multiplicity of engineers (and others) to bring onto the market a host of "dynes" and what have you, which, as might be expected, were mostly bad. Here and there, of course, there were tuned radio frequency circuits which were worthy of the purchaser's serious consideration.

The outstanding effort along this pathway was marked by this year's offering of circuits which rely upon the Wheatstone bridge method of balancing for the suppression of undesirable oscillations. This system has not only been successfully employed in the contruction of that which is termed as "straight" tuned radio frequency circuits, but has also found its application entirely feasible and of material benefit when used in circuits of the reflex type.

How of Wheatstone Bridge Circuits

A complete digest covering not only the principle, but its application to circuits of the above-mentioned class, was published under the author's name in a series of articles entitled "Recent Advances in Tuned Radio Frequency." These appeared in Radio Digest beginning with the May 29, 1925, issue.

However, in order that those following this series may gain an insight into the method or principle underlying this system, figure 27 is shown as typical of the idea. In explanation, the theory upon which these circuits work is that through the adjustment of the relation existing between the arms of the circuit as shown at points C-1, C-2, C-3 and C-4, the current or signal may be caused to flow only in a forward direction from the input to the output circuit.

Therefore, because of this one-way action, feedback through the tube which causes oscillation is prevented, while a further, very essential, gain is had in both

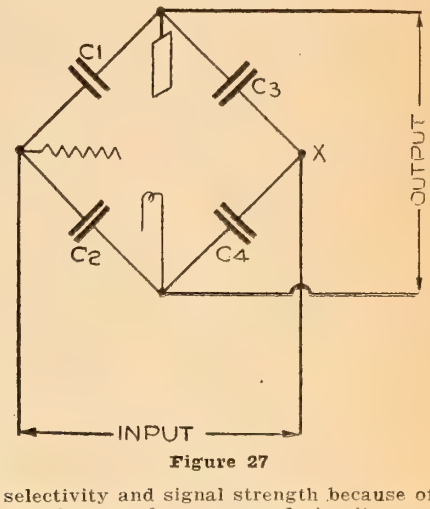


Figure 27

selectivity and signal strength because of the absence of any opposed circuit coupling action.

Reflex Combined in Bridge

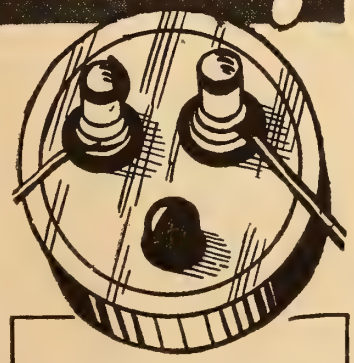
The circuit shown in figure 28 should be of unusual interest to those who are experimenting. It not only employs the Wheatstone balanced bridge principle, but also includes the use of tuned impedance

(Continued on page 24)

No More Static!

NEWEST, most startling invention eliminates static under all weather conditions. No loss of volume. Everything comes in clear and strong. No more exasperating buzzes, squeaks, and howls.

Start to enjoy the pleasure of your radio. Install a Static Eliminator and you can forget all about static forever. And not only that. You will increase the selectivity of your set—you will be able to tune out other stations easier, sharpen signals, remove noises, lessen interference, and prevent re-radiation. Over a half million Static Eliminators in use now. Thousands being sold daily. You will be enthusiastic too when you hook it up to your set and hear the amazing difference.



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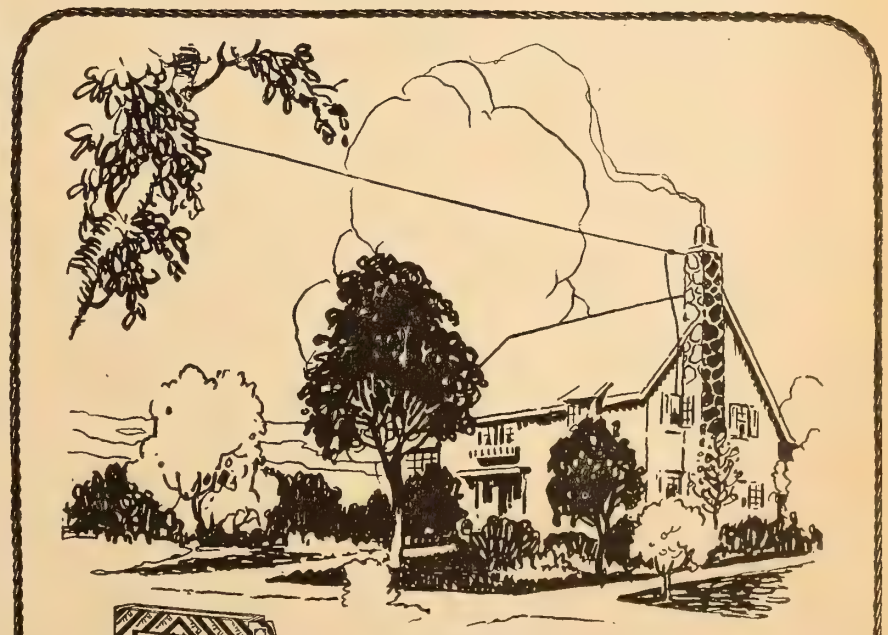

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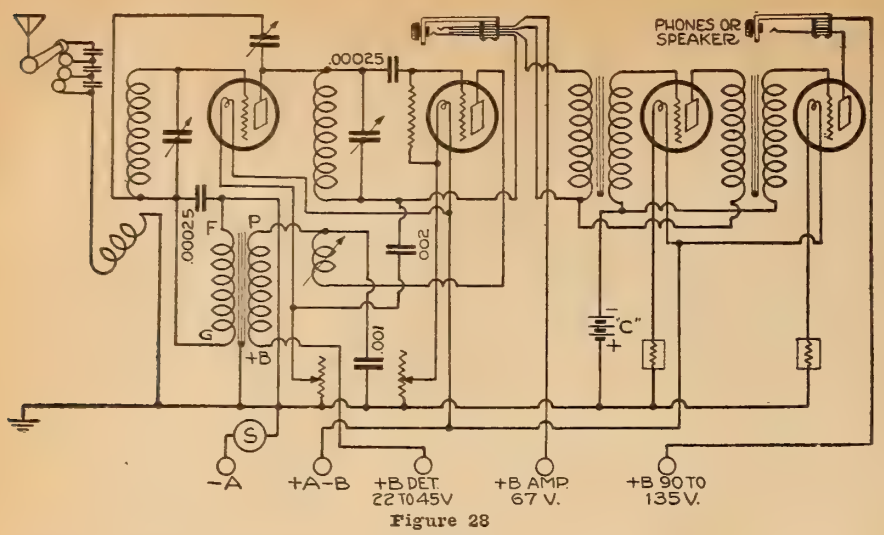

Figure 28

A B C'S OF RADIO SETS

(Continued from page 23)

in the detector circuit. To make it even more interesting, to this tuned impedance is coupled a combination of inductive and capacitive regeneration.

For fear that some rabid fan may still not be satisfied, and also in order to show some of the complex possibilities of circuit combinations—which work—a stage of reflexing is included.

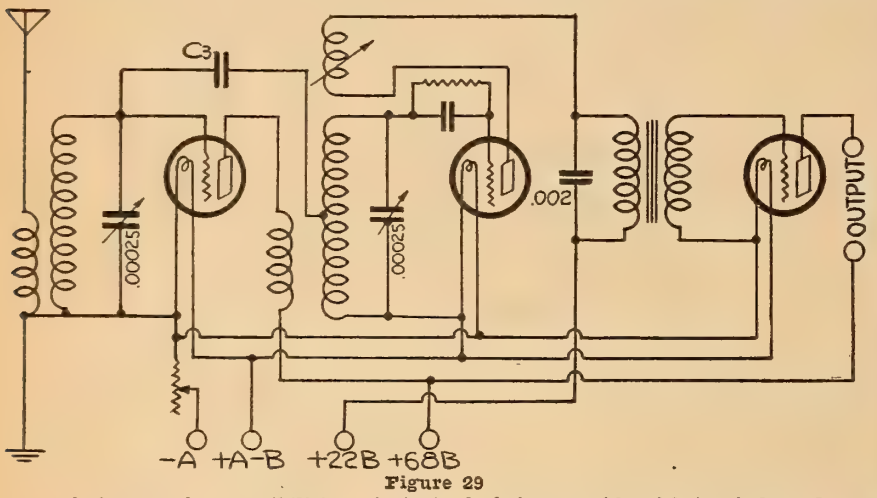

Figure 29

With reference to this circuit, I desire to warn that no values are given at this time, as the circuit will no doubt be offered later in a constructional series. Then a complete treatise will be given.

Another method, or rather application, of the use of tuned radio frequency is shown in figure 29. This uses a stage of tuned radio frequency in combination with a regenerative detector, the former employing the neutrodyne principle for the suppression of annoying oscillations. Properly constructed, this combination has proven very successful and has been marketed in "kit" form by several concerns.

Its regeneration is controllable through varying the inductive relation of the tickler employed, while its successful operation is, in a large measure, dependent upon both a careful selection of tubes to be used and the adjustment of the grid leak employed. It has the objection of only being capable of being balanced over a narrow wave band, such balancing not being independent of frequency, though its total operation is to be accepted as most satisfactory.

Out of pity, I shall refrain from pointing out the "fly in the ointment" chargeable to many so-called balanced circuits, in hopes that, from experience, those who are "mothering" such circuits will be taught the error of their ways.

(In the next article, the super-heterodyne will be described and explained by Mr. Gurney. Read what this author has to say regarding the "king" of circuits.—Editor's Note.)

New Type of Ray

Prof. C. E. Wynn-Williams, of the University of North Wales, England, has discovered a new type of ray, which he declares fills an important gap between broadcasting and Millikan rays.

While these new rays can penetrate air for several inches, they are stopped by all solids, even by gold leaf. X-rays can penetrate one-half inch of lead, as also can the recently discovered Millikan rays. Prof. Wynn-Williams suggests the new rays lie between ultra-violet and x-rays. The scale of the different type of rays is:

1, Millikan rays (one 500,000,000th of an inch); 2, Gamma rays; 3, X-rays; 4, gap (new rays); 5, Ultra-violet rays; 6, Light rays (one 50,000th of an inch); 7, Infra-red and heat rays; 8, Gap; 9, Broadcasting rays, or waves, (up to 25 miles).

An investigation into the conditions for sparking between two electrodes revealed the new rays, which showed their presence by ionizing air so as to make it conduct electricity, as do the x-rays and the ultra-violet.

True cascade amplification has long been the goal of radio engineers because it would utilize practically the theoretical maximum of each tube and give results hitherto undreamed of. The new Crosley 5-tube RFL's incorporate this feature ---and their performance is nothing short of revolutionary... RFL-60...$60, RFL-75...$75 without accessories.

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13 "Bill" W. G. Hay, ex-KFKX, now of WLIB
14 Happiness Boys, jovial singers of WEAF
15 Lambdin Kay, "Little Colonel" of WSB
16 Leo Fitzpatrick, "Merry Old Chief," WJR
17 Henry Field, 1925 Gold Cup runner-up
18 Al Carney, organ favorite at WHT
20 Vincent Lopez, No. 1 Pennsylvania orchestra
21 E. L. Tyson, pleasing voice at WWJ
23 Art Gillham, "The Whispering Pianist"
24 Paul Greene, announcer at WSAI, "bridge voice"
25 Harry Ehrhart, "Dream Daddy" of WLIT
26 Correll and Gosden of "Kinky Kids Parade" fame, at WEBH and other stations.
27 Norman Brokenshire, popular at WRC, WJZ
29 Jane Novak, Blues Singer of Twin Cities, WCCO
30 Jean Sargent, the original, now at WHT
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32 Edna Adams, of KPRC
33 Pat Barnes, vaudeville announcer at WHT
38 Walter Wilson, "Uncle Bob" of KYW
40 Ray-O-Vac Twins, known country-wide
41 Art Linick, KYW's Mrs. Schlagenhauer
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46 D. R. P. Coats, 1925 Silver Cup announcer
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How to Stop Blooping and Man-Made Static

Part VI—Dr. Hull's Amplituner

By the Technical Staff

IT MIGHT be well at this point in the series to insert a brief resume of what has gone before so that those just joining the movement for a better ether can follow clearly. In the first article, it was clearly shown, by excerpts from the reports of various investigating committees, that squealing interference, otherwise known as "blooping," is the direct fault of the broadcast listeners. Some

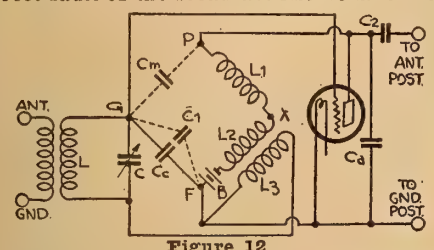

Figure 12

add to this trouble unintentionally, others do it knowingly with total disregard of the rights of others—and then complain about the blooping of their neighbors. Their own blooping is done "so very little" that it is not to be considered.

What Has Gone Before

The second part took up the subject of how and why various types of receivers

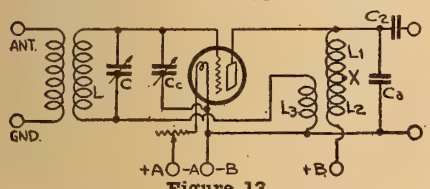

Figure 13

can squeal, and cause interference, and it was explained that the types known as "single circuit regenerative" and "three circuit regenerative" are not the only offenders by any means. We then got into correct receiver operation with some rules for the novice and old-timer alike, and some suggestions for charting the dials as a help against committing this breach of Radio etiquette. The fourth installment went into the construction of the Penetrola, a commercially available device which is a true one-way repeater that permits the entrance of radio frequency energy to the set but does not permit any, in the form of oscillations, to back up into the aerial circuit.

Last week, the DeForest anti-radiation device was explained, and sufficient data was given for the insertion of the two small parts necessary to accomplish DeForest's method. At the same time, an input arrangement that would prevent supers from radiating, was presented. Those who built their own could add this

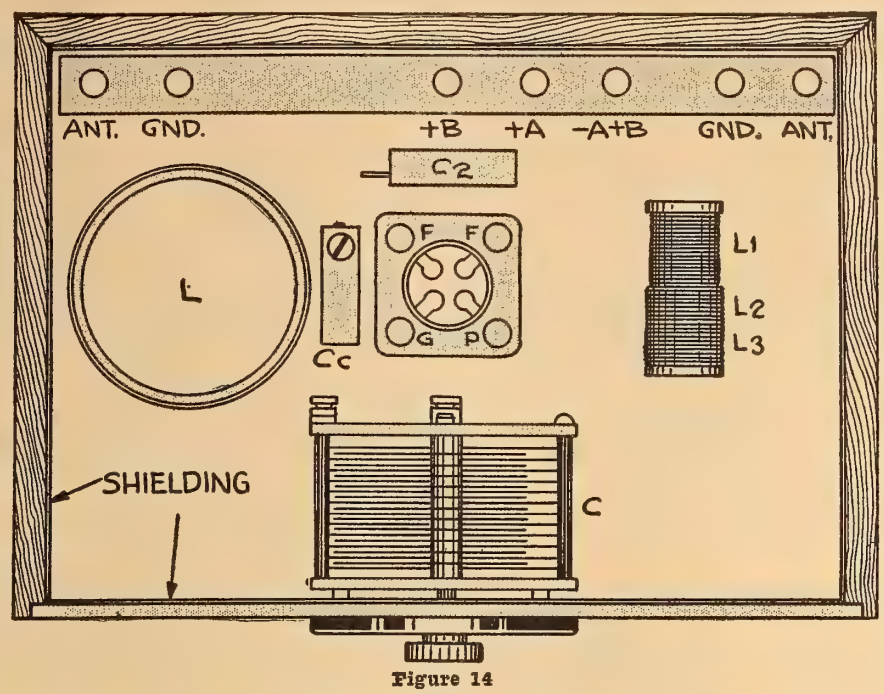

Figure 14

very easily. Perusing back through some of our old issues of the various publications on the market we have come across a very interesting article in the August, 1924 issue of QST, the official organ of the American Radio Relay league, by Dr. Lewis M. Hull, on the construction of a one way repeater which he chose to call the Amplituner. While exact winding data on the construction of the output coil of his device was not given, this has been worked out in the laboratory and full constructional data is now available.

The RFL Bridge

The circuit of this device, drawn for discussion in a bridge arrangement, is shown here as figure 12. To quote Dr. Hull's article: "It consists of a balanced bridge having two inductive and two capacitive arms. The incoming signal is impressed between the grid and filament of an amplifier tube across the two opposite terminals G and X of the bridge. The amplified voltage in the plate circuit of this tube is impressed across the other pair of opposite terminals P and F. The capacity between the grid and plate of the tube, Cm, and the associated wires, constitutes one capacity arm. The capacity between the grid and filament C_1 is increased by a small adjustable parallel condenser Cc upon which the final adjustment is made. Once the balance is attained, the compensating condenser Cc is locked.

"The inductive arms consist of two coils L_1 and L_2 in series in the plate cir-

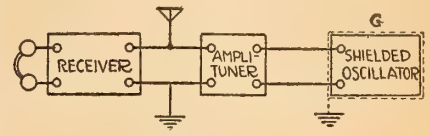

Figure 15

cuit of the tube. The lower terminal of the input circuit is brought to the same a.c. potential as the point X between coils L_1 and L_2 by the use of coil L_3 which is equal to and unity-coupled with L_2. The only reason for using L_3 is to keep the voltage of the plate battery B off the grid of the tube; if the battery were not present, the lower end of the input coil L would be connected directly to X."

This arrangement of Dr. Hull's gives a balance of capacify and inductance around the tube, such that radio frequency currents can enter the tube from coil L and will appear at the output terminals considerably amplified, but cannot pass from the output terminals, back through the tube, into coil L.

To further quote from QST: "In practice, the amplifier is required to do two

(Continued on page 26)

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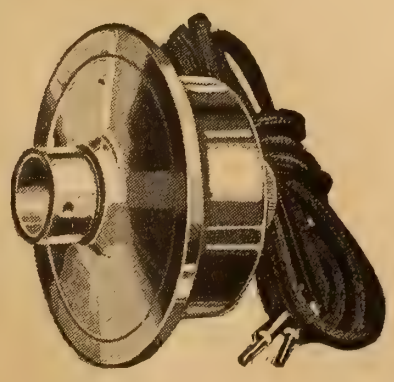

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HELP STOP BLOOPING

(Continued from page 25)

things besides preventing the backward flow of current from the output terminals to the antenna. First, it must have a capacitive reactance between the output terminals which is equivalent to that of the 'average' antenna in order to allow the direct connection to its output terminals of any receiver designed to operate from an antenna; second, when such a receiver is connected to the output terminals, the resonance load in the plate circuit of the amplifier tube must be of such magnitude as to impress an amplified voltage upon this receiver.

"The provision of a suitable 'antenna-like' impedance, which will allow the receiver to retain its original tuning characteristics does not necessarily mean a fulfillment of the second requirement. A design for the output circuit was finally selected which allows the Amplituner to be operated into any receiver whose tuner is designed to operate at wave lengths from 200 to 600 meters; the receiving (set) tuner may be either single or double circuit, tuned by either series or parallel condenser, or it may consist of a so-called 'untuned' primary closely coupled to a tuned secondary, such as is used in commercial neutrodyne receivers. The design consists merely of the use of a continuous coil for inductances L_1 and L_2, having an inductance of about 500 microhenries, shunted by a capacity at CA of 500 mmf., which gives an effective range of capacity between the output terminals of 300 to 450 mmf., between 200 and 600 meters."

The Parts Needed

When the circuit is drawn in the usual schematic fashion to which constructors are accustomed, it appears as in figure 13. The same identification numbers are used in both illustrations but Cm and C_1 are missing in this second diagram since they are inherent within the tube. The input coil L can be any of the antenna couplers on the market for use in neutrodynes or tuned radio frequency hook-ups to be tuned with a variable condenser of .00035 mfd., shown as capacity C. The small adjusting condenser, used to bring the grid-filament capacity up to the plate-grid capacity, may be any of the small balancing condensers on the market and we would suggest the Walbert listing at $1.00 with a range of 4 to 75 micro-microfarads or the Bremer-Tully listing at $0.90 and going up to 30 micro-microfarads.

A vernier dial such as the Mar-co is advisable although not absolutely essential. The coil L_1 and L_2 is made with 190 turns of number 36 dsc. wire on a ¾-inch tube occupying a winding space of just a little less than 1¾ inches. At one end, and wound tightly over that half of the coil known as L_2, wind on 95 turns of the same wire for coil L_3. The fixed condenser Ca is of .0005 mfd. capacity while the condenser C_2 is anything from .01 mfd. to .5 mfd. A suggested arrangement is shown in figure 14 and this unit may be nicely put behind a 7" by 9" panel. The rheostat is placed below the condenser dial and both are centered on the 9" dimension.

Should Be Shielded

This unit to be really effective, should be entirely shielded with some such material as number 26 half hard sheet brass, readily obtainable almost anywhere and, in Chicago, from Stebbins Hardware Co. A piece is cut exactly the same size as the panel and placed back of it, the condenser and rheostat holes being cut out a little larger to prevent grounding of live leads. The cover of the cabinet used should also be lined, with flexible wires connecting it to the rest of the shielding which is, in turn, connected to the negative A lead. The coils should be placed so that they are well away from the shielding and small bakelite or hard rubber pillars cut from tubing will do this nicely. The socket also, might well be lifted up away from the bottom shield.

Balancing

In connection with the balancing, we again quote Dr. Hull's article; "The method of balancing the Amplituner brings out a very important effect, namely the change of intra electrode capacities in an audion tube when the electron current is flowing. In a commercial anti-regenerative amplifier (standard neutrodynes) local oscillations may be prevented by balancing the tube capacities with the filament unlighted and neglecting the unbalance which follows lighting the filament. But the writer has found that this change may cause as much as 2 to 4 micro-microfarads difference in the grid-plate effective capacity of a receiving tube when the filament is turned to full brilliancy. This is sufficient partially to nullify the one-way action of the Amplituner and to allow radio frequency to creep back through the Amplituner into the antenna. Accordingly, the final adjustment is made as follows."

The following suggestion of Dr. Hull's may not be convenient for everyone to use but is preferable to the usual method of putting a small piece of paper on one of the filament springs while neutralizing. However, if a shielded oscillator (single circuit receiver) is not available, the old system will come pretty close to perfect neutralization. To resume from the original article: "With the filament lit to full brilliancy, the amplifier is placed in the circuit shown in figure 15. The shielded oscillator represents an oscillating regenerative receiver. A receiving set is connected directly to the antenna as shown at the left. This set uses two stages of radio frequency amplification, a detector and an audio amplifier.

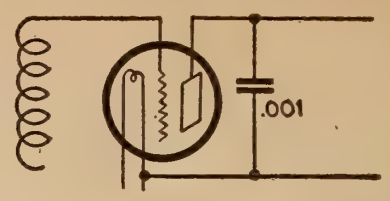
"Both this set and the Amplituner are tuned to the wave length of an incoming C. W. signal. The oscillator G is then tuned to produce a beat note with the incoming signal and the operator listens at the headset T while he adjusts the compensating condenser Cc of the Amplituner. The adjustment is made with a long handle (a one-foot stick whittled to screwdriver edge at one end) so the operator can keep his body away from the Amplituner. At some adjustment of Cc the beat note between the incoming signal and the oscillator G disappears. This 'null point' indicates a complete suppression of the backward flowing current from oscillator G to the antenna. . . . It is possible to make the adjustment at 350 meters and then to operate the Amplituner from 250 to 600 meters without putting into the antenna enough energy to cause interference to other receivers on other antennas nearby."

There you have the complete story on Amplituner as worked out by one of Radio's leading engineers and a pioneer in the development of bridge circuits. All parts with the exception of the special output coil are standard and most of our readers can build Amplituner out of spare parts lying around.

(Beginning with the next installment of this series, the discussion will be on man-made static, and means for checking up on it will be shown, together with remedies.—Editor's Note).

R. F. Circuits on High Waves

I am certain that there are fans whose sets, especially of radio frequency circuits, will not oscillate on high waves. I overcame this difficulty by shunting a .001 fixed condenser from the plate of the de-



tector to the positive of the A. One may need different capacities for other sets, but my receiver works out best with a .001, as shown in the above diagram. Clarence Miller, 601 North 6th St., Kansas City, Kansas.

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Now *Only* $19.95

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The BEST Radio Affords

$1.00 down!

With the Radiotone all the family can enjoy your radio at the same time!

Yes, Genuine Radiotone loud speaker—the same loud speaker that is selling everywhere for $25.00—now at a sweeping cut price, only $19.95 and on easy monthly payments, besides! Only $1.00 with the coupon below brings the Radiotone to your home on approval for 30 days! No radio is complete without a loud speaker—a *good* loud speaker. The whole family may "listen in" at the same time, leisurely—instead of taking turns at the headphones. Or if you have a loud speaker now that isn't satisfactory, that doesn't bring in stations loud and clear, this is your opportunity to get a first class loud speaker—yes, the best and we'll *prove* it on this offer—at an astounding rock-bottom reduced price, direct—and on easy, monthly payments besides!

Makes Your Radio Complete

The Radiotone is the last word in sound reproduction and amplification for radio sets. It is super-sensitive. Brings in distant stations with full volume so every one in the room can hear distinctly and easily. Wonderful clearness and absolute purity of tone. No distortion. No crouching in front of the loud speaker to hear announcements.

The Radiotone has a 14-inch horn made of Thorite in one piece without seam or joint, accoustically correct. This eliminates the metallic clang you often hear in other loud speakers. The reproducing unit is entirely enclosed at the base of the horn. The well balanced construction does away with all vibrations. The Radiotone has a graceful shape with a beautiful black florduline finish. It stands 23 inches high and weighs only 15 lbs. No extra batteries needed for the Radiotone—just plug it in as you do your head set. Nothing to wear out or get out of order. Sent complete with cord and plug.

30 Days Trial!

When the Radiotone comes, there's nothing to pay. Use it freely at our risk, on trial for 30 days. See how much more use and fun, you and all the family get from your radio with this loud speaker. See how loud, clear and distinct the Radiotone brings in all stations—better than any other loud speaker you've ever heard, giving you the best that is in your set. After 30 days trial if you think you can get along without the Radiotone, return it to us and we will refund your dollar plus all transportation charges. No red tape. The trial costs you not a cent.

Straus & Schram, Dept. R-8413 Chicago, Ill.

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My Name .....
(Head of the family must sign this order. If you are not of age, have your parent or guardian order for you.)

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My Post Office ..... *My State* .....

My Shipping Point ..... *I have lived in this Town* ..... *years*

And before that I lived in ..... *Town* ..... *State* ..... *for* ..... *years*

Occupation is ..... *Age* ..... *Married or Single* .....

Give names of merchants who know you personally

Name ..... *Town* ..... *State* .....

Name ..... *Town* ..... *State* .....

If you have ever bought goods on credit by mail, tell us from whom. If there is anything else you wish to tell us about yourself, write on a piece of paper and enclose it with this coupon. But the coupon alone, fully filled out, ought to do.
That's all we want to know and we're ready to ship the goods at once. No formalities. No C.O.D. We trust rich and poor alike when they merely show us that they are honest.

$3.00 a Month

But if you decide to keep the Radiotone, pay only $3.00 a month until you have paid the special reduced price—only $19.95. See if you can equal this offer anywhere on such amazingly liberal terms. You'll scarcely feel those small monthly payments. Surely, now, you can afford to have the Radiotone—*the best loud speaker*—and get the most fun out of your radio set for all the family.

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Dept. R-8413 Chicago, Illinois

1926 Model Four-Filter Super-Heterodyne

Part II—Parts Alterations and Drilling

By the Technical Editor

SINCE a special means of coupling the oscillator pick-up coil into the grid circuit of the first detector (mixer) is used in this set, it will be necessary to add a few turns to the Cruver coil specified. You will note that, at that end of the secondary which is away from the primary, there is quite a space between the last turn and the end ring. In this end ring of Bakelite there is a terminal for one end of the secondary. On the end ring, measure about an inch each side of this terminal screw and drill a small hole through the end ring at each of these points, just large enough to pass a 4-36 machine screw.

In the space between the last secondary turn and this end ring, there are about five wire grooves on each longitudinal bar and on these wind two parallel turns of either number 24 or number 26 dsc. wire, securing the ends to the 4-36 screws just put in the end ring. These two turns will later be connected to the pick-up coil of the oscillator coupler to transfer energy into the first grid circuit without extending this first grid circuit clear across the set to the oscillator section.

Daven Amplifier Changes

We are going to use the binding posts on the Daven Super-Amplifier unit as connecting posts for the batteries to the whole set, and our circuit is going to have negative B connected to negative A; a change or two must therefore be made in the wiring of the Super-Amplifier. As it comes to you, the bus wire connecting the three negative posts on the sockets is connected to the binding post marked negative A, and the binding post marked plus A is connected to negative B binding post. The connection between the three negative filament socket terminals and the negative A post is to be broken and this bus connected to the negative B binding post. The strap connecting plus A post with negative B post is removed. This leaves negative A without connection to anything within the Super-Amplifier.

Consider now the oscillator coupler as supplied by National Master Radio Supply company. Of the two windings on the outer tube, the larger is the grid coil, the smaller is the plate coil. Hold it with grid coil uppermost; now find the protruding terminal of that end of the plate coil nearest the grid coil, in other words the terminal of the upper end of the plate coil. Revolve coil until this terminal is toward you, the grid coil still being uppermost. Directly below this terminal, in the space between the bottom turn of the plate coil and the lower end of the tube, drill a hole for a 6-32 machine screw to be used to support this unit on the sub base with a small right angle bracket.

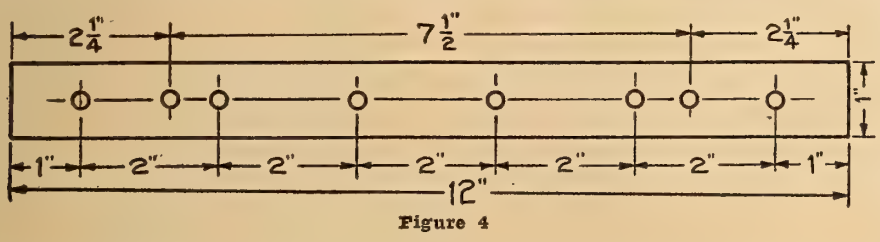

Figure 4

Getting now to the drilling. Figure 2, gives the dimensions for making a drilling template for the front panel and front panel shield. Four pairs of holes, in vertical relationship, will be noticed across the face of the panel. These are for the Kelbrackets. The four holes grouped at the left end are for the input tuning condenser, while those at the right end, in a group, are for the oscillator condenser. The group of four in the center near the top are for the General Radio potentiometer. Below this group is a single larger hole for the toggle switch.

When the full size drilling template has been made, lay it on and either paste or clamp it to the front of the panel. Center punch all holes with punch and hammer and remove template carefully as hole sizes must be followed from it. A piece of the sheet brass must be cut to the exact same size as this front panel and, for the drilling of the two together, I would suggest the following procedure. Have someone hold the panel tightly on the brass sheet which is to go behind it and drill the hole in the lower left corner and the hole in the lower right corner very carefully, watching to see that panel and sheet do not slip out of exact alignment. Do this drilling on a flat wooden surface and the brass will drill out cleanly without breaking out or tearing.

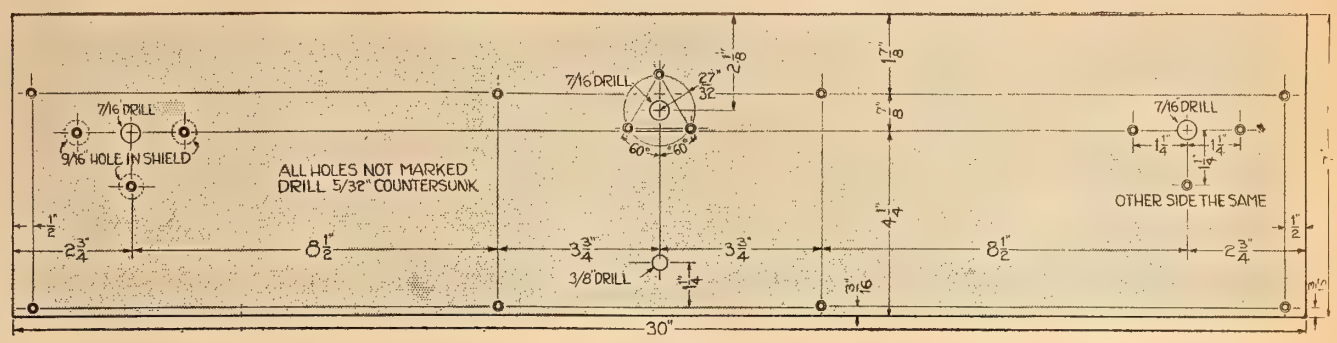

Figure 2

Having put in these holes, slip a round head machine screw through each and put a hex nut on the back, drawing them up tight to hold the panel and sheet tightly together and flat. You can now go ahead with the rest of the holes with confidence that all will coincide, in Bakelite and brass, when through. Drill all holes through first with a 9/64 or 5/32-inch drill and then put through the larger holes called for by the condenser shafts, the potentiometer shaft and the switch.

The panel and the brass sheet can now be separated for separate treatment. Each of the eight bracket mounting holes in the panel is countersunk from the front for which job I suggest a Yankee 45-degree countersink. Now countersink the three outer holes in each condenser group and the three outer holes of the potentiometer group. Turning now to the brass shield, drill out the three outer holes of the left condenser group with any drill up to 9/16 and ream out to that size. This will give clearance of the shield around the three mounting posts of the left condenser. It might be stated at this point that, if readers wish the drilling templates in blue print form and full size, they will be sent on receipt of 40c, sent to Dept. 5 of Radio Digest, 510 N. Dearborn St., Chicago, Ill.

Figure 3 gives the dimensions on holes contained in the sub base and its shield. These are both 29⅜ inches long but, referring to the right end of figure 3, you will note that the sub base is but 7 inches wide while the brass sheet placed under it is 9¾ inches wide, with their rear edges coinciding. Two sizes of holes are shown scattered over this layout, without indication as to size. The smaller are 9/64

(Continued on page 28)

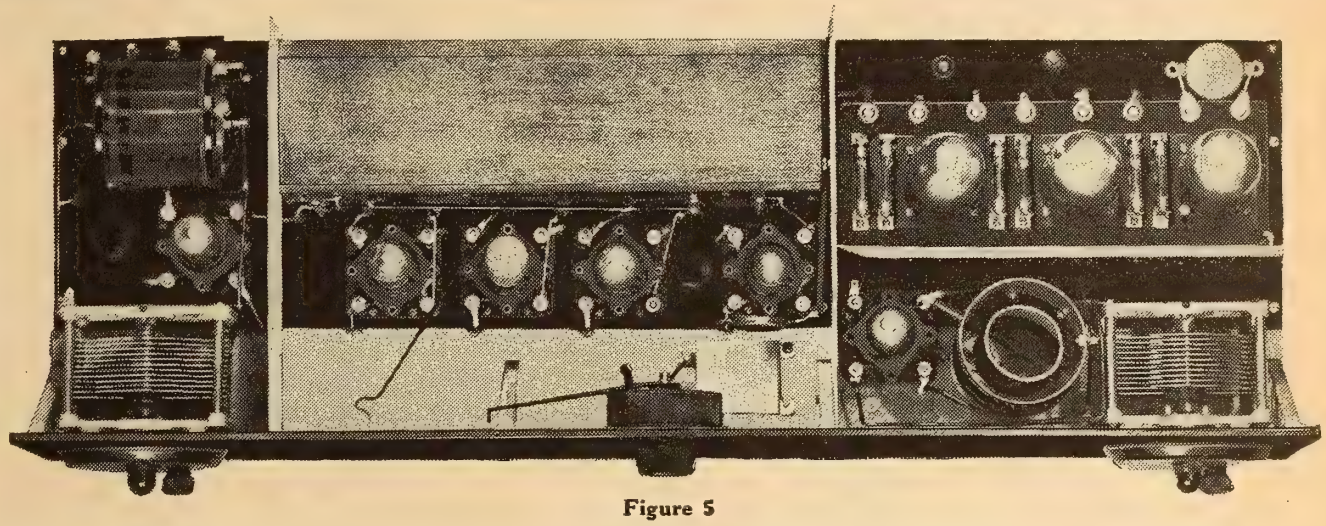

Figure 5

HERE IT IS—RADIO FANS

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The Wonder Radio Log

Rich seal grain binding, stamped in gold; top edge gilt, 144 pages, size 5 x 7½. Printed on heavy bond paper. Lists the Broadcasting Stations three convenient ways: by Call Letters; by Kilocycles and Meters; by Location and Owners. Includes the 24 page WONDER Radio Diary and WONDER Distance Map. Ample space for keeping log and for changes and additions.

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Improved Results With Tube or Crystal Try entirely at my risk the wonderful improvement this inexpensive little device will make in the reception of your set. Improves results on both crystal and tube sets that use any kind of aerial except loop antenna. Clears up reception wonderfully, increases volume, and partially absorbs static. ***MONEY-BACK GUARANTEE.***

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FREE Descriptive Literature on request.

Put this interference eliminator on your set and note amazing improvement. No tools needed—install in a moments time. Connect with set and follow simple instructions. Money back promptly if not delighted. $1.00 postpaid anywhere in U. S. when cash with order.

$1 Postpaid If you are not delighted with results you get your dollar back

References: Exchange National Bank, Atchison Savings Bank. Order today—a dollar bill will do.

STEINITE LABORATORIES, 161 Radio Bldg., ATCHISON, KANSAS

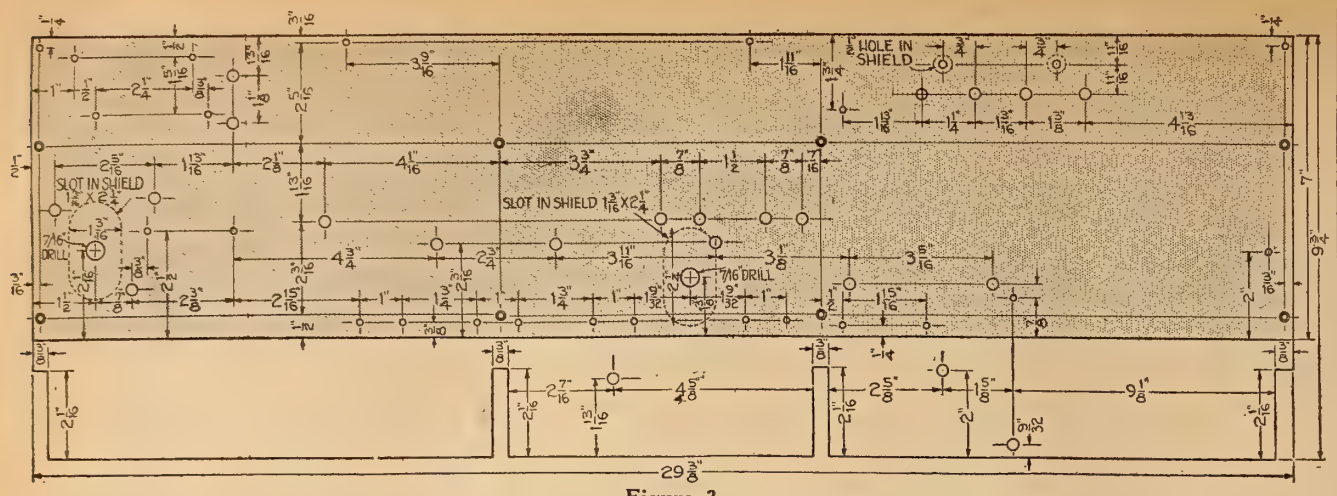


Figure 3

FOUR-FILTER SUPER

(Continued from page 27)

or 5/32 while the larger are ¼ inch. Eight of these smaller holes are encircled to indicate countersinking from the upper-side so that flat-head screws can hold sub base and brass to the brackets. At the left and in the center will be noted a larger hole for the Bradleyleaks.

The small holes placed in the upper left and upper right corners (rear left and rear right) serve no other purpose than to hold base panel and its brass together while drilling. With someone to hold the two pieces with rear edges lined up, drill through these corner holes and then insert 6-32 machine screws with hex nuts. All holes passing through both base and brass can now be drilled. Then separate base panel and the brass sheet drilled with it, and cut out in the brass sheet as shown by dotted lines, for the Bradleyleaks, 1⅛ by 2¼ inches. The four slices in the front edge of the brass can also be taken out; these pass the brackets from above sub base level to below. At the rear edge of the illustration, over toward the right, there are two holes, marked with dotted lines to indicate ½-inch hole in shield. Drill these through the brass separately as they provide clearance around two binding posts later, one for 45 volts and one for 67½ volts.

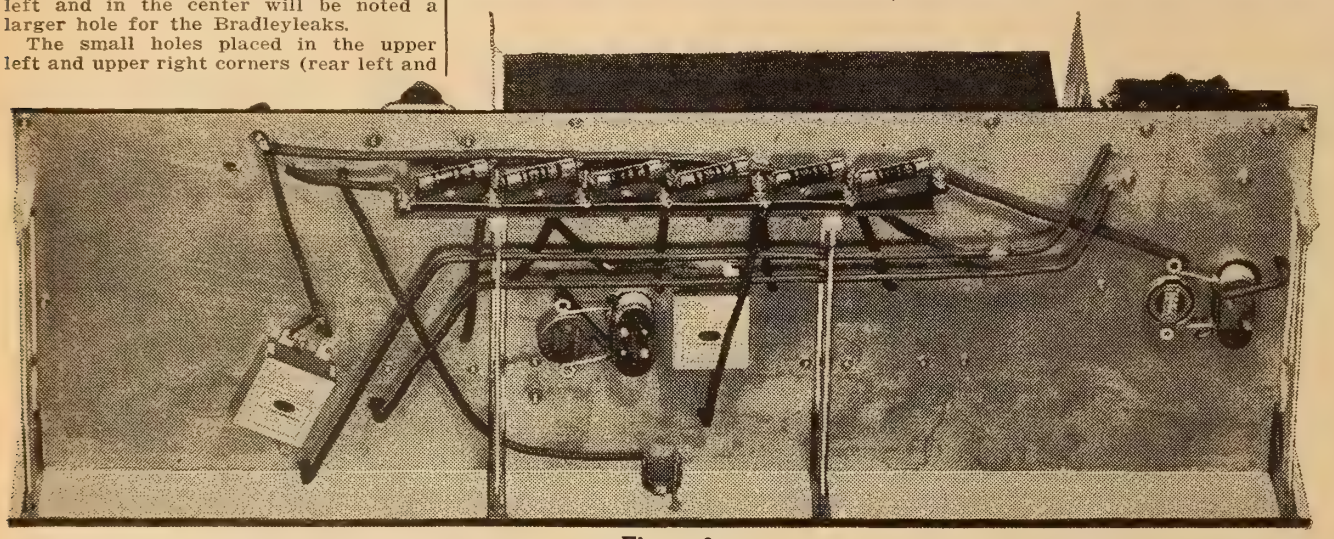


Figure 6

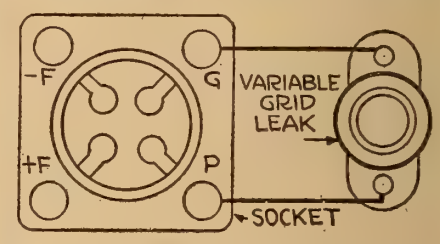
We now turn our attention to the Kel-brackets. As supplied, they would raise the sub base too high above the lower edge of the front panel and the Daven Super-Amplifier tubes would not permit the cover to close. As these brackets are aluminum, they can be easily sawed with a hack saw. Measure up ¾ inch from the bottom on the front leg of each bracket and the same on each rear leg, marking with a finely pointed instrument to get these all exact. Then saw each off. As supplied, the front surface of this bracket is 6⅞ inches, so when this length has been removed the remainder is 6⅛ inches long and the top point will be ⅞ inch from top edge of front panel.

Figure 4 shows the drilling of the small Bakelite strip which mounts on the rear surface of the two center brackets, under the sub base, for the six Amperites. It should be noted that two of these holes, the two used to secure strip to the brackets, are countersunk. Figure 5 is a top view of the completed assembly, while figure 6 is the bottom view. Experienced assemblers can probably proceed with the mounting of the parts but novices should wait for the next article.

(The changes in apparatus, and the drilling, having required so much space, it will be necessary to handle the assembly as part of the next article which will also begin the wiring.—Editor's Note).

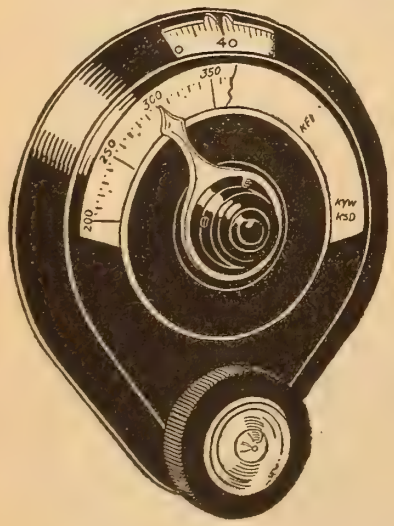
Increasing Efficiency of Tubes

The efficiency of tubes in a set can often be increased by putting a grid leak,



preferably a variable one, across the grid and plate of the tubes.—Frank Knight, 40 Grenadier Road, Toronto, Can.

for **B-T** BETTER TUNING



Use the

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Tuning Control

Fits condensers turning either way. Pointer reads in wave lengths or station call letters, dial reads in degrees.

Geared 12 to 1 with not the slightest indication of backlash or lost motion.

Beautifully finished in black and gold or in brown and gold. Adds to the efficiency and appearance of any receiver.

Black and gold finish.....$2.50

Brown and gold finish..... 3.50

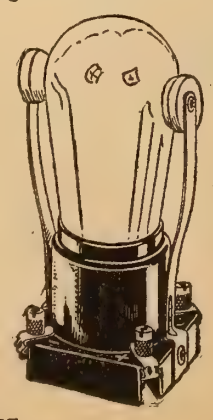
Stop That Noise!

That ringing sound you hear where the panel is jarred. It's a microphonic noise caused by the vibration of the elements within the tube.

STOP IT effectively by the use of a B-T Silent Socket on your detector.

The Silent Socket may also be used on the first audio stage with good results or if desired throughout the entire set. Price $1.25.

The regular type UL Socket is the same as the Silent Socket without the absorbers. Both types take the old or the new UX tubes without the use of an adapter. Good sockets are important. Use B-T Type UL.



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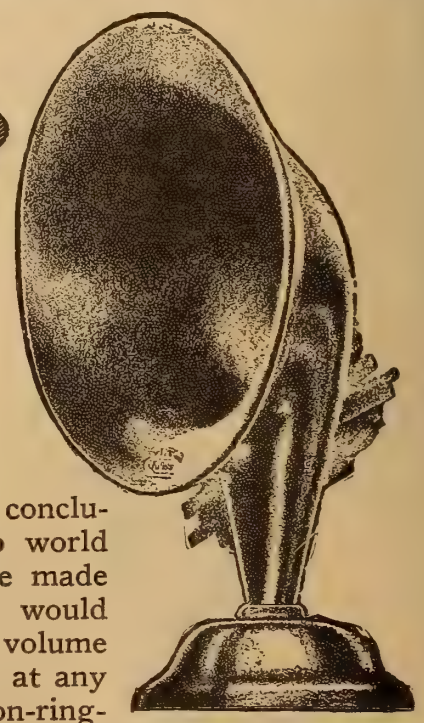

$6.50

Fultone Loud Speaker has conclusively proven to the radio world that a reproducer could be made and sold at $6.50 which would handle music or speech in volume as perfectly as any speaker at any price. The horn is solid, non-ringing and wide-throated enough to handle the powerful reproduction from super-heterodyne or reflex. The adjustable diaphragm permits matching Fultone to any receiver and "B" battery voltage.

The Fultone speaker will be shipped on a satisfaction or money back basis on receipt of price in money order or currency. The coupon is provided for your convenience in ordering if your dealer cannot supply you.

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Enclosed is $.....for which ship me ( )
Fultone Speaker.....( ) Fultone Unit at once, my money to be refunded if I am not satisfied and return this merchandise within 5 days.

NAME .....

ADDRESS .....

CITY AND STATE.....

The Reader's View

Why WJZ Programs Were Out—and In

You will be pleased to note the Radio Corporation of America's reply to my recent request with reference to listing programs from WJZ in Radio Digest:

"Your letter complaining that the programs of Station WJZ were not published in the Radio Digest at hand, and I think a brief explanation of the situation would clarify matters considerably.

"The Radio Digest requires programs three weeks in advance in order to have them published in advance in that periodical. In the past we have not felt that we could issue programs three weeks in advance that were accurate and preferred not to have our programs published unless they were absolutely correct. With the coming of high power for WJZ, our programs are being booked further in advance than ever before. Therefore, at the present time, it is possible for us to supply the Radio Digest with programs three weeks in advance that are practically correct. You will find our programs now in the Radio Digest and think that henceforth they will appear in that publication with regularity.—The Radio Corporation of America."

This information will be gratefully received by the readers of your magazine, particularly in view of the far reaching territory of this new superstation.—R. H. W., Winona, Minn.

Attention: T. H. of Okemah

T. H. of Okemah, Okla., asks, "Whad'ya mean Just?" If he will go to the public library and look up "just, adv." in Webster's International dictionary, he will find, in addition to definitions he mentioned, "now, or a moment ago." Why abuse the announcers? I like to have them tell the numbers just rendered and by whom.

He further states: "Any moron ought to be able to recognize a piece of music after it has been broadcast 100 or 150 times." Of course we are not **all** morons and perhaps that is why a great many of us do enjoy announcing of numbers and cannot see things from his standpoint.—L.M.R., Sterling, Ill.

Announce Call Twice

Let me add to your many timely remarks on improved announcing, a suggestion that I feel would add greatly to the enjoyment of the vast multitude of listeners.

In addition to announcing frequently, give station letters at start and AGAIN at the end of each announcement. Many announcers start with the call letters and all the letters may not be understood. If given again at the end, we have another chance.

All stations desire above all else wide publicity and the good will of the listeners. Above method, practiced consistently, will greatly help them to achieve that goal.—W.E.D., Philadelphia, Pa.

Place for Jazz

Answering E.I.S., Butler, Pa.: I heartily agree with him regarding jazz. Let's have it all put on about 510 or 520 kilocycles. But why condemn one of the most beautiful toned instruments because some so-called musicians can evidently do nothing with the saxophone except shatter the listener's nerves and eardrums with jazz? Has E.I.S. ever tuned in on KOA or KFOA? He can hear some real music from saxophones at these stations.

Now I would suggest that you put jazz where E.I.S. asks but also include with it

(Continued on page 30)

Gets Everything But Noise!

Read this convincing letter from a man who has "listened and marveled":

"Omaha, Nebraska, February 10, 1926.

Kane Antennae Co.,
Gentlemen:
I received 2BD, Aberdeen, Scotland, on a "Kane Antennae," during the recent International Tests. Reception was officially verified by Radio Broadcast Magazine who conducted the tests. I built the Antennae a year ago from one of your blue prints. It has more than met expectations in the elimination of outside electrical interference, as well as in increased volume and distance.
GUY H. CRAMER."

Improves Reception 60%

Entirely eliminates all power noises such as leaky transformers, generators, motor hums, Delco Plants, etc. Cuts static and regeneration howls and squeals in two. Dr. Gehrig of Oakland, Cal., says it improves his reception fully 60 percent. Do away forever with disagreeable noises.

$1.00 *Brings BLUE PRINT Complete Working Drawings* and full instructions for erecting this wonderful Antennae. Just send $1.00 (a check will do. Stamps not accepted). A limited number available. Send TODAY.

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Dept. 823C, 3034 W. Van Buren St., Chicago, Ill.
Dealers—Send at Once for Attractive Proposition.

KANE ANTENNAE

Here and There with the Radio Clubs

An educational committee has been appointed by the Spokane Radio Listener's association to direct the work of giving Radio set owners a better understanding of how to operate their sets most efficiently and recognize sources of interference. A Radio survey to cover the entire city of Spokane has been announced and a questionnaire was published in the Spokane Chronicle. The information gathered will be used in the campaign against interference being carried on by the association and the Washington Power company.

* *

The program committee of the Butte, Montana, Radio club has interest and enthusiasm in the meetings at a high pitch due to the schedule of unusually interesting speakers arranged. At one of the most recent meetings, the speaker was H. W. Manring, of the Mountain States Telephone and Telegraph company, who included in his talk a discussion of the use of vacuum tubes in long distance telephone work. The members then inspected the entire local telephone exchange from batteries to switchboards.

* *

Eastern clubs, attention! Send in your news. Tell us what you are doing.

* *

A Radio club is being formed in Portsmouth, Ohio, to be known as the Scioto Radio club. Its object is "to improve the condition of Radio reception in the city of Portsmouth and vicinity and clear the air of avoidable causes of interference to Radio listeners." Copies of the by-laws, constitution, application blank and membership cards used by other clubs are desired by Frank R. Sodaro, Box 341, Portsmouth, Ohio.

* *

The city of Cheney, Washington, announces a Radio club with full arrangements completed for a place to meet, officers, instructors and speakers. James S. Lane, of the Normal school faculty is chief of instructors; Leon Swank is president.

* *

The Grand Rapids Radio Listeners' league now has over 700 members! A drive is on for a total of 3,000. That's ambition when there are only 7,000 set owners in the city. The way applications are pouring in, it surely looks as if this drive would be successful. The live-wire club even has its service expert in the person of Ewald A. Stein, who runs down interference for the members. Locating four such cases in one week, he cleared the air for nearly twenty per cent of the membership. He finds ft possible to average about two calls a night, but when each "cure" clears the air for a score of others, this is plenty. The league can be reached at P. O. Box 558, Grand Rapids, Michigan.

* *

Up in Victoria, B. C., everyone has to have a receiving license, so when the Victoria Radio club wanted to send out a questionnaire they had a 100 per cent list. The card which was sent to every set

(Continued on page 30)

No More "B" Batteries on Your Radio

At last, a practical reliable "B" battery eliminator for your radio. Does away with "B" batteries; no charging; no replacing. Always 100% efficiency in "B" current. The most revolutionary development in radio.

Genuine Fansteel
Balkite "B" Eliminator
Sent for Only
$1.00 *Down*

U.S.PAT. MAY 27, 1924

The Balkite "B" is connected to your radio just like "B" batteries and attached to an ordinary electric light socket. Replaces "B" batteries entirely and furnishes "B" current direct from regular house lighting current. Always gives current equal to four new and fresh 22½ Volt dry "B" batteries. For sets of five tubes or less. Simplifies radio receiving. More convenient, more economical and more efficient than dry or wet "B" batteries. Operates storage battery or dry cell tubes and gives tubes longer life. Entirely noiseless. Creates no disturbance in reception. Has no bulbs, nothing to break, wear out, replace or get out of order. Requires no change in your set, no extras to buy. Operates from 110-120 AC, 60 cycle current. Measures 8 3-16 inches by 8 inches by 3¼ inches. Current costs only 1-20 of a cent per hour.

$5.00 a Month, if satisfied after trial

Only $1.00 with the coupon below brings the Balkite "B" to your home on trial. Try it out thoroughly before you pay another penny. See how it improves reception. See how much more convenient than using batteries. Judge for yourself how it will save you money and make your radio set more enjoyable. Then, if not satisfied, send it back at our expense and we'll refund your $1.00 plus all transportation charges. If you decide to keep the Balkite "B," start paying only $5.00 a month until you have paid the total price of only $35.00. That's the price others ask for spot cash. We give you the lowest cash price on easy monthly payments you will never feel.

Send Coupon

Don't miss this opportunity to get the genuine Balkite "B" at the rock-bottom cash price on easy monthly payments. Send coupon now while this offer lasts. **Order by No. Y-8578A, $1.00 with coupon; $5.00 a month; total price $35.00.**

STRAUS & SCHRAM
Dept. R5413 **Chicago, Ill.**

STRAUS & SCHRAM, Dept. R5413 Chicago

Enclosed find $1.00. Ship special advertised Balkite "B" Battery Eliminator. I am to have 30 days free trial. If I keep it, I will pay you $5.00 monthly. If not satisfied, I am to return it within 30 days and you are to refund my money and any express charges I paid.

Balkite "B" Battery Eliminator, No. Y8578A, $35.00

*Name*_____

*St., R. F. D. or Box No.*_____

*Shipping Point*_____

*Post Office*_____ *State*_____

VICTORIA FIGHTS INTERFERENCE

Name..... Address.....

Description of Interference.....

When Last Heard: Date..... Hour..... Audibility.....

Length of Time { Continuous } { Persistent / Intermittent } For How Long.....

Can You Hear Programme Through Noise.....

Does Trouble Recur Nightly..... At Same Time.....

What Station (Wave Length) MOST Affected..... What LEAST.....

Will You Cooperate with Us in Locating Interference and Our Effort to Clear the Air.....

Will You Act on Your Local Committee.....

I Have a..... { Tube / Crystal } ..... Set
Number Make

Card used by the Victoria (B.C.) Radio club to aid in stopping various kinds of interference. The information is carefully tabulated and put in use.

WITH THE RADIO CLUBS

(Continued from page 29)

owner is reproduced here with and the information this brought it has been of inestimable value in clearing the ether of noises. With this card was a letter:

"The Victoria Radio club has been requested by the Dominion government to undertake a campaign to lessen interference in this district. The club invites your cooperation and requests you to supply data as to interference experienced by yourself in the past few days. By filling in and returning the enclosed stamped post card as early as possible you will greatly aid this work."

* *

Radio clubs! Insist on every member reading the series of articles now appearing in Radio Digest on the subject of blooping and man-made static. It is the largest collection of authoritative data on the subject yet published. Practical application of all points brought up can be discussed at meetings for the benefit of all.

The Reader's View

(Continued from page 29)

all those screeching sopranos and all singers of operatic stuff in a foreign tongue, and put "breezy announcing, Ford fiddling, infant prodigy stuff and the rest of the high-class RURAL entertainment" where the majority can get at it.—J.W.McC., Bovey, Minn.

Sit Down, T. H. Okemah!

In the Radio Digest of February 27 under title of "Whad'yamean Just?" T. H. Okemah of Oklahoma criticizes broadcasting stations for announcing the names of familiar melodies. Objection is also made to the use of the word "just" in announcements such as: "You have just heard, 'Let Me Call You Sweetheart'," etc.

These criticisms of Okemah's are hardly worthy of consideration, but in behalf of listeners in general and particularly for Okemah's information I wish to say that I also consulted the dictionary (Webster's New Ideal). I found as one definition of the word "just": "Now, or but a moment ago." Therefore Okemah's objection is over-ruled and there is no reason why announcers should not use the word "just," just as they have been doing.

So far as it being necessary to announce the name of a song that is familiar to nearly every one, such as, "Let Me Call You Sweetheart," Okemah should realize that broadcasting stations are not being operated for his or her sole benefit. He or she may be quite familiar with all the popular songs but it should be remembered that there are thousands of people throughout the United States alone who are hearing many of the songs for the first time. Okemah may not survive the shock when I say that only a few days ago I heard, "Let Me Call You Sweetheart" for the first time.—A.J.P., Cement City, Michigan.

CLASSIFIED ADVERTISEMENTS

Classified advertisements in Radio Digest produce results. Have you a receiving set to sell? Do you want to buy a Radio? A classified advertisement in this column will sell your set.

Rates are twenty cents a word for each insertion, five per cent discount for four insertions, ten per cent for thirteen insertions, fifteen per cent for twenty-six insertions, twenty per cent for fifty-two insertions. Name and address to be included at above rate. Cash should accompany order. Minimum of ten words.

Objectionable and misleading advertisements not accepted. Forms close three weeks prior to date of publication, which is Saturday.

BLUE PRINTS

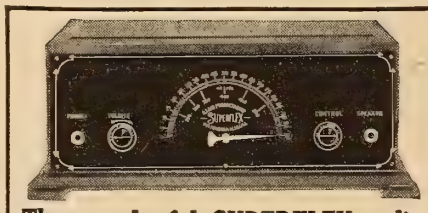
Super-Het, Ryan's Simplest Possible 7-Tube Set. Complete instructions, actual size template. How to make a loop. All for 50 cents. Book Dept., Radio Digest, 510 North Dearborn Street, Chicago.

MISCELLANEOUS

Photos of Your Favorite Radio Stars. Ten cents and coupon appearing on another page of this issue will entitle you to one of the photos from Radio Digest gallery of stars. Radio Digest, 510 North Dearborn Street, Chicago.

TELEGRAPHY

Telegraphy—Both Morse and Wireless taught thoroughly. Big salaries. Wonderful opportunities. Expenses low; chance to earn part. School established fifty years. Catalog free. Dodge's Institute, Sixth St., Valparaiso, Ind.



The wonderful SUPERFLEX radio

NEW CIRCUIT—ONE DIAL (one condenser—pat. pndg.) Not reflex. Volume, Clarity, Distance, Selectivity.

Sample to Rated DEALERS. TEST ONE.
RADIO PRODUCTS CORPORATION, (Inc.)
3816 N. 28th St. Birmingham, Alabama

A&B Battery Charger ONLY $2

SATISFACTION GUARANTEED

Charges any type of storage A or B battery, or auto battery, using a few cents worth of ordinary house current. Cannot injure battery and lasts for years. Complete directions enclosed—anyone can operate. No "Extras" to buy.

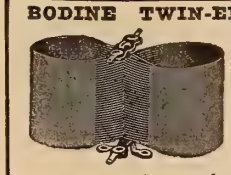
Why pay $10.00 to $18.00 for a charger when you can get this splendid GUARANTEED R. B. Charger by mailing us two dollars (bills, money order, check or stamps). Enclose 10c in coin or stamps to pay mailing costs. If not satisfied, return within 5 days and we will refund your money. Act at once. TODAY.

R. B. Specialty Company
Dept. 23, 308 East Third, Cincinnati, O.

22½ Volt un-acid everlasting rechargeable **"B"** STORAGE BATTERY **$2.95** Includes Chemical

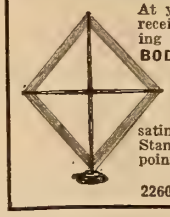
45 volts, $5.25; 90 volts, $10.00; 112½ volts, $12.50; 135 volts, $14.75; 157½ volts, $16.80. Truly the biggest buy today. Easily charged on any current including 32-volt systems. Any special detector plate voltage had. Tested and approved by leading authorities such as Popular Radio laboratories. Over 3 years sold on a non-red tape 30-day trial offer with complete refund if not thoroughly satisfied. Further guaranteed 2 years. Knock-down kits at great savings. Complete "Hawley" "B" battery charger, $2.75. Sample cell, 35c. Order direct—send no money—simply pay the expressman cost on delivery. Or write for my free literature, testimonials and guarantee. Same Day shipments. B. Hawley Smith, 817 Washington Ave., Danbury, Conn.

BODINE TWIN-EIGHT R.F. COIL



A remarkable new radio frequency transformer that combines a very limited magnetic field with tremendous amplification. Very sharp tuning. For real satisfaction use TWIN-EIGHTS.

Price $3.00 each, $9.00 per set of 3 matched coils. At your dealer or sent postpaid upon receipt of check or money order. Wiring diagrams free.



BODINE FOLDING LOOP AERIAL

Wonderfully efficient. Large enough to give good signal pick-up, but folds to fit in small box. Beautifully finished in mahogany and satin silver. The best loop at any price. Standard loop $8.50. Equipped with 5 point tap switch $10.00. Write for folder.

BODINE ELECTRIC CO.
2260 W. Ohio St., Chicago, Ill.

Yale GROUND HOG DOUBLES POWER AND DISTANCE

The Perfect Ground

Marvelous newly-invented ground gives 100% improved reception. Doubles power and distance. Stops leakage. Reduces static. Stops jangling even in mid-summer. Results never before equalled, users say. Satisfaction Guaranteed.

Proven absolutely essential to clear, powerful distance reception. Draws and holds moisture indefinitely. Highly sensitive to radio energy.

SEND NO MONEY—To introduce, we offer to those who act at once, regular $5.00 size for only $2.00. Send name today and pay $2.00 plus 17c postage on delivery. Or send only $2.00 with order and save postage. FREE—Full description of Ground Hog and big money making agent's offer on request—write today.

Yale Specialty Supply Co.
1805 Grand Ave., Kansas City, Mo.

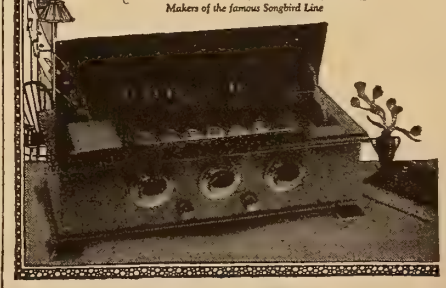
YALE GROUND HOG

Nightingale

6-tube Set with Integral Loud Speaker **$75**

A wonderful, sharp tuning set of beautiful tone, made complete in our own factory. Five tube assembly suffices for most stations, but volume can be tripled by using 6 tube terminal. No wasteful neutralizing condensers but perfect balance of parts. *See Nightingale dealer or write to*

THE GUTHRIE CO., GRAFTON, OHIO
Makers of the famous Songbird Line



FOR CLEAR, QUIET "B" POWER

22½ Volt RADIO Storage "B" Battery

12 Cells 24 Volts *Lasts Indefinitely—Pays for Itself*

Economy and performance unheard of before. Recharged at a negligible cost. Delivers unfailing power that is clear, pure and quiet. Approved and listed as Standard by leading Radio Authorities, including Pop. Radio Laboratories, Pop. Sci. Inst. Standards, Radio News Lab., Lefax, Inc., and other important institutions. Equipped with *Solid Rubber Case*, an insurance against acid and leakage. Extra heavy glass jars. Heavy rugged plates. Order yours today!

SEND NO MONEY Just state number of batteries wanted and we will ship day order is received. **Extra offer:** 4 batteries in series (96 volts), $10.50. Pay expressman after examining batteries. 5 per cent discount for cash with order. Mail your order **now!**

WORLD BATTERY COMPANY
1219 So. Wabash Ave., Dept. 76 Chicago, Ill.
Makers of the Famous World Radio "A" Storage Battery
Prices: 6-volt, 100 Amp. $11.25; 120 Amp. $13.25; 140 Amp. $14.00. All equipped with Solid Rubber Case.

World STORAGE BATTERIES

Set your Radio Dials at 210 meters for the new 1000 watt World Storage Battery Station, WSBC, Chicago. Watch for announcements.

KDKA ≠ WEAF ≠ WGN ≠ WJS ≠ KHJ ≠ KGO ≠ KFAF ≠ WJY ≠ KOP

A "RADEX" Tuning Chart

Shows by dial numbers, wave length to which set is tuned. Tells where to place dials for any station. Identifies programs received without announcement.

Adapted to any set

Send 25c Coin or Stamps

RADEX, Box 143-S, CLEVELAND, O.

RADIO We want to hear from hard-hitting radio dealers operating live-wire stores who want to make the best jobber connection in America.

DEALERS

Our eight big warehouses furnish you with the finest products in radio. And we ship fast.

WANTED

Write today on your letterhead for big catalog of nationally advertised lines.

Ask for AE 1006

WAKEM & McLAUGHLIN, Inc.
225 E. ILLINOIS STREET, CHICAGO, ILL.

6-Volt Storage Radio "A" Battery

Most amazing battery value ever offered! A genuine World 6-Volt Radio "A" Battery with 25 ampere capacity for only $5.00! Just the thing for Trickle Charger. Famous World Quality assured. Equipped with

$5.00 C.O.D. Send No Money

Solid Rubber Case

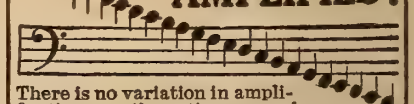
an assurance against acid and leakage. *Order Now.* We ship same day—by express C. O. D. subject to your examination on arrival. *Extra Offer:* 6% discount for cash in full with order. ACT TODAY!

World STORAGE BATTERIES

WORLD BATTERY CO.
Dept. 148,
1219 S. Wabash Ave., Chicago

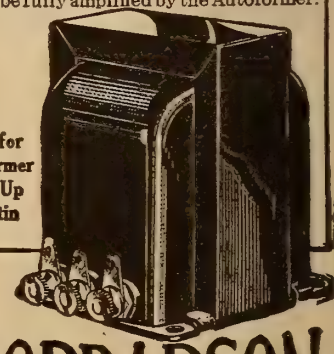
KDKA ≠ WEAF ≠ WGN ≠ WJS ≠ KHJ ≠ KGO ≠ KFAF ≠ WJY ≠ KOP

BASE NOTES FULLY AMPLIFIED!



There is no variation in amplification over the entire range of musical frequencies with Thordarson Autoformers. No note is too low—no note is too high to be fully amplified by the Autoformer.

Write for Autoformer Hook-Up Bulletin



THORDARSON *Autoformer*

Trade-Mark Registered

All Frequency Amplifier

An Entirely New Instrument—Not "just another transformer"

As the world's oldest and largest exclusive makers of transformers, we have led for years in broadening their amplifying range. In the Autoformer we have finally developed an all-frequency amplifier—a *new* instrument capable of *fully* amplifying *all* notes audible to the human ear. Thus the deepest notes of the grand organ, bass viol, tuba, English horn, etc., at last are brought out as *clearly* as the highest treble. Improved long distance reception and better volume control are further advantages.

Write for Autoformer Bulletin

Autoformer amplification is for those who seek the finest reproduction of programs to be had. May be used with any set in place of regular audio transformer hook-up. Full directions, with diagrams, supplied with each instrument. Autoformers are $5 each.

Sold by leading dealers

THORDARSON ELECTRIC MFG. CO. CHICAGO

Radiophone Broadcasting Stations

Corrected Every Week—Part I

United States

AT9, Fort Bragg, N. C. 434.5m-690kc. 750 watts. U. S. Government. Announcer, Lieut. James Y. LeGette. Slogan, "The Pioneer Broadcasting Station of the Army." Tues, Thurs, Sat, 8-9:55 pm, dance music, talks, bands, fights. Sun, 8-9:55 pm, service. Eastern.

KDKA, E. Pittsburgh, Pa. 309.1m-970kc. 1,000 watts. Westinghouse Elec. & Mfg. Co. Announcer George S. Ryan. Slogan, "The Pioneer Broadcasting Station of the World." Daily ex Sun, 9:45-10 am, 11:55, time, 12, market reports, weather; 2:30-5:30, music; 7, 9:55, time, daily except Sun, Sat; 12:15 pm; 7:45 pm, talks. Daily ex Sat, Sun, 8:30 pm; 8:45, concert; 9:55, time. Sat, 8:45 pm, concert; 9:55, time. Tues, Thurs, 10:30 pm. Sun, 9:45 am, 3 pm, 3:45, 6:45. Eastern.

KDLR, Devils Lake, N. Dak. 230.6m-1300kc. 5 watts. Radio Elec. Co.-Wilson Ins. Agency. Daily ex Sun, 12:10 pm, weather; 6:15, markets. Mon. 9:30-11:30 pm. Sun, 11 am, church. 4:30-6. Central.

KDYL, Salt Lake City, Utah. 245.8m-1220kc. 50 watts. Newhouse Hotel. Announcer, Gene Pack. Slogan, "Out on the Great Divide." Daily ex Sun, 3-4 pm, 6:30-8, news, music, entertainment. Sun, 11-1 am. Mountain.

KDZB, Bakersfield, Calif. 209.7m-1430kc. 100 watts. Frank Siefert.

KFAB, Lincoln, Nebr. 340.7m-880kc. 1,000 watts. Nebraska Buick Auto Co. Announcer, Gayle Grubb. Daily ex Sun, 9:30-9:55 am, weather reports; 3-4 pm, Mon, Tues, Wed, Fri, 10:30-11 am, home economics; 1:15-1:30 pm, talks; 3:30-4 pm, 5:30-6:30, 8:05-8:30, college of agriculture; 8:30-10:30, Tues, Sat, 3-4 pm Sat, 9:30-9:55 am; 5:30-6:30 pm, 8:30-9:30. Sun, 4-5 pm; 9-11. Central.

KFAD, Phoenix, Ariz. 272.6m-1100kc. 100 watts. Electrical Equip. Co.-McArthur Brothers Mercantile Co. Announcer, Arthur C. Anderson. Slogan, "The Voice of the Atwater Kent Radio." Daily ex Sun, Mon, 6-7 pm, 8-9. Daily ex Sun, Wed, 6-7 pm; 9-11, concerts, news, stocks. Mountain.

KFAF, San Jose, Calif. 217.3m-1380kc. 50 watts. Alfred Fowler.

KFAJ, Boulder, Colo. 260.7m-1150kc. 100 watts. Univ. of Colo. Announcer, F. M. Orsborn. Tues, Sat, 9 pm, time, music, addresses by faculty. Thurs, 7:30 pm; Sat, 2:30-5 pm, sports. Mountain.

KFAU, Boise, Idaho. 280.2m-1070kc. 750 watts. Boise H. S. Announcer, Hoyt Cooper. Slogan, "Idaho Station." Daily ex Sat, Sun, 4-4:45 pm, markets, weather, news. Mon, 7:30-9 pm, concert. Thurs, 8-10 pm, concert. Sat, 7:30-8:30 pm. Sun, 7:30-8:30 pm, church service. Mountain.

KFBB, Havre, Mont. 275.1m-1090kc. 50 watts. F. A. Buttrey Co. Announcer, C. O. Boettger. Daily ex Sun, 12:45 pm, music, markets, weather, reports. Mountain.

KFBC, San Diego, Calif. 215.7m-1390kc. 100 watts. W. K. Azbill. Sun, 9-10 am, Bible lesson, sermon. Pacific.

KFBK, Sacramento, Calif. 247.8m-1210kc. 100 watts. Sacramento Bee. Mon, Thurs, Sat, 7:30-10 pm. Mon, 6 pm. Pacific.

KFBL, Everett, Wash. 223.7m-1340kc. 100 watts. Lesse Bros. Daily, 7:30-8:30 pm. Pacific.

KFBS, Trinidad, Colo. 238m-1260kc. 15 watts. School District No. One.

KFBU, Laramie, Wyo. 270.1m-1110kc. 500 watts. Bishop N. S. Thomas.

KFCB, Phoenix, Ariz. 238m-1260kc. 125 watts. Nielsen Radio Supply Co. Announcer, E. A. Nielsen. Slogan, "When It's Wintertime in Michigan, It's Summer Time Down Here." Daily ex Sun, 8-8:15 am. Mon, Wed, 8-9 pm. Sat, 7-8 pm; 12-2 am. Mountain.

KFDD, Boise, Idaho. 278.6m-1080kc. 50 watts. St. Michael's Episcopal Cathedral. Announcer, E. Mark Hanford. Sun, 11:15-12:30 pm, 7:30-9:15. Mountain.

KFDM, Beaumont, Tex. 315.6m-950kc. 500 watts. Magnolia Petroleum Co. Announcer, Magnolene Mike. Slogan, "Kall for Dependable Magnolene." Tues, Fri, 12:30-12:55 pm, band concert; 7-7:30, children's hour; 8-10:30, concerts. Sun, 11-12 m, 8-9 pm. Central.

KFDX, Shreveport, La. 249.9m-1200kc. 100 watts. First Baptist church. Announcer, Hugh Claycomb. Sun, 10:50 am; 7:45 pm. Wed, 9-10 pm. Central.

KFDZ, Minneapolis, Minn. 230.6m-1300kc. 10 watts. Harry O. Iverson.

KFEC, Portland, Ore. 247.8m-1210kc. 50 watts. Meier & Frank Co., Inc. Daily ex Sun, 12 m, weather, reports; 4-5 pm, music; 6:30 pm, weather, crop, markets, reports. Sat, 11 am-12 m, children's hour. Pacific.

KFEL, Denver, Colo. 254.1m-1180kc. 50 watts. W. L. Winner, Inc. Announcer, Eugene P. O. Fallon. Daily ex Sun, 11 am, 2 pm, 4, 5. Tues, 9-10 pm; Thurs, 8-12 midnight. Mountain.

KFEQ, Oak, Nebr. 267.7m-1120kc. 500 watts. J. L. Scroggin. Announcer, G. G. Scroggin. Daily ex Sun, 2-3 pm, orchestra. Sun, 4:30-6 pm. Central.

KFEY, Kellogg, Idaho. 232.4m-1290kc. 10 watts. Bunker Hill & Sullivan Mining & Con. Co. Announcer, Walter C. Clark. Slogan, "Voice of the Coeur D'Alenes." Mon, Wed, 6-7 pm. Sat, 9-11 pm. Sun, 6-7 pm. Pacific.

KFFP, Moberly, Mo. 241.8m-1240kc. 50 watts. First Baptist Church. Announcer, Granville Ray Boots. Slogan, "The Gospel Messenger of the Air."

KFGQ, Boone, Ia. 225.4m-1330kc. 10 watts. Crary Hardware Co. Announcer, Harold E. Wilcox. Slogan, "Daniel Boone Station." Wed, 8-9 pm. Sun, 3-4 pm. Central.

KFH, Wichita, Kan. 267.7m-1120kc. 500 watts. Hotel Lassen. Daily ex Sun, 9-11 am; 1-2 pm; 9-10. Tues, Thurs, Sat, 12:15-1:15 am. Sun, 9:45 am, church; 7:15 pm; 9:15. Central.

KFHA, Gunnison, Colo. 252m-1190kc. 50 watts. Western State College of Colorado. Announcer, E. Russel Wightman. "Where the Sun Shines Every Day." Tues, Fri, 6:30 pm, bedtime story; 8 pm, musicale; 10:30, orchestra. Mountain.

KFHL, Oskaloosa, Iowa. 239.9m-1250kc. 10 watts. Penn College.

KFI, Los Angeles, Calif. 468.5m-640kc. 4,000 watts. Earle C. Anthony, Inc. Announcer, Robert Hurd. Slogan, "The Radio Central Station." Daily ex Sat, Sun, 5:30-11 pm. Sun, 10-11 am, 4-5 pm, 6:30-11, 11-12:30 pm, first and third Sunday of month. Pacific.

KFIF, Portland, Ore. 247.8m-1210kc. 100 watts. Benson Tech. School.

KFIO, Spokane, Wash. 265.3m-1130kc. 100 watts. North Central High School.

KFIQ, Yakima, Wash. 256.3m-1170kc. 100 watts. First Methodist Church. Announcer, Dr. I. M. Miller. Wed, 7:30 pm, organ. Sat, 7 pm. Sun, 11 am, 7:30 pm. Pacific.

KFIU, Juneau, Alaska. 225.4m-1330kc. 10 watts. Alaska Elec. Light & Power Co. Announcer, O. E. Shoembell. Mon, Wed, Fri, 6-7 pm. Alaskan.

KFIZ, Fond du Lac, Wis. 272.6m-1100kc. 100 watts. Daily Commonwealth and Wisconsin Radio Sales, Inc. Announcer, Albert Mayer. Daily ex Sun, 5 pm, music, news, markets, weather. Central.

KFJB, Marshalltown, Iowa. 247.8m-1210kc. 10 watts. Marshall Elec. Co. Announcer, E. N. Peak. Slogan, "Marshalltown, the Heart of Iowa." Daily ex Sun, 10 am, markets. Tues, Fri, 8:30 pm. Central.

KFJC, Junction City, Kan. 218.8m-1370kc. 10 watts. R. B. Fegan.

KFJF, Oklahoma City, Okla. 260.7m-1150kc. 500 watts. National Radio Mfg. Co. Announcer, Hired Hand. Slogan, "Radio Headquarters." Daily ex Sun, 9:40 am, 12:15 pm, markets; 2:15, markets; 6:30, weather news, 6:30-7:30. Mon, Thurs, Fri, Sat, 8:15-10:45 pm. Wed, 11-12 midnight. Sun, 2:30-4 pm; 10-11:45. Central.

KFJI, Astoria, Ore. 245.8m-1220kc. 10 watts. E. E. Marsh and Liberty theater. Announcer, E. E. Marsh. Wed, 9-10 pm, organ. Sun, 12:30-1:30 pm. Sun, 10:30-11 pm. Pacific.

KFJM, Grand Forks, N. D. 277.6m-1080kc. 100 watts. University of North Dakota. Slogan, "Grand Forks, the Educational Center of the State." Daily ex Sun, Thurs, 6-7 pm. Central.

KFJR, Portland, Ore. 263m-1140kc. 50 watts. Ashley C. Dixon & Son. Mon, Tues, Wed, Thurs, 7:30-8 pm. Mon, 8-8:45 pm. Tues, Thurs, 9-10:30 pm. Wed, 8-8:30 pm. Fri, 12:30-1:15 am. Sat, 1:30-3 pm. Pacific.

KFJY, Fort Dodge, Iowa. 245.8m-1220kc. 50 watts. Tunwall Radio Co. Announcer, Carl Tunwall. Daily, 5:30 pm, markets, news, weather, bulletins. Sun, 11 am, church; 8:15 pm, orchestra. Central.

KFJZ, Fort Worth, Texas. 254.1m-1180kc. 50 watts. Southwestern Baptist Theological Seminary.

KFKA, Greeley, Colo. 272.6m-1100kc. 50 watts. Colorado State Teachers' College. Announcer, John Henry Shaw. Mountain.

KFKU, Lawrence, Kan. 275.1m-1040kc. 500 watts. University of Kansas. Announcer, John F. Patt. Slogan, "Up at Lawrence on the Kaw." Mon, Thurs, 6:55-8 pm. Central.

KFKX, Hastings, Nebr. 288.3m-1040kc. 5,000 watts. Westinghouse Elec. & Mfg. Co. Slogans, "The Empress of the Air," "The Pioneer Re-Broadcasting Station of the World." Daily ex Sun, 5:15-6:15 pm, KDKA programs. Daily ex Sat, Sun, 9:30 am, 10:30, 12:30 pm, markets. Mon, Wed, Fri, 9-11 pm, music. Sat, 9:30 am, 10:30, 12:30 am. Central.

KFKZ, Kirksville, Mo. 225.4m-1330kc. 10 watts. F. M. Henry. Mon, 8-9 pm, dance music. 1st and 3rd Mon, Radio plays. Sun, 3:30-4:30 pm, classical music. Central.

KFLR, Albuquerque, N. M. 254.1m-1180kc. 100 watts. U. & N. M. Announcer, Phillip S. Donnell. Slogan, "The Sunshine Center of America."

KFLU, San Benito, Texas. 236.1m-1270kc. 10 watts. Benito Radio club. Announcer, R. W. Thacker. Slogan, "Heart of the Magic Valley." Mon, Thurs, Sat, 8:30-10 pm, concert. Sat, 8:30 pm, Sunday school lesson. Central.

KFLV, Rockford, Ill. 228.9m-1310kc. 200 watts. Swedish Evangelical Mission Church. Announcer, A. T. Frykman. Fri, 8:30 pm. Sun, 12:30 pm, service for shut-ins (Swedish); 930, service (English). Central.

KFLX, Galveston, Texas. 239.9m-1250kc). 10 watts. George R. Clough.

KFLZ, Anita, Iowa. 272.6m-1100kc. 100 watts. Atlantic Automobile Co. Operated by Walnut Grove Hog Remedy Co. Announcer, H. A. Marshall. Daily ex Sun, 11:50-12:30 pm, question box, markets. Wed, 8:30-10 pm. Central.

KFMQ, Fayetteville, Ark. 299.8m-1000kc. 750 watts. U. of Arkansas. Mon, 7:30 pm. Tues, Thurs, 8 pm. Central.

KFMR, Sioux City, Iowa. 260.7m-1150kc. 100 watts. Morningside College. Announcer, Jesse C. Ducommun. Wed, 9:15 pm. Central.

KFMW, Houghton, Mich. 263m-1140kc. 50 watts. M. G. Sateren (announcer). Sun, 3-4:30 pm.

KFMX, Northfield, Minn. 336.9m-890kc. 500 watts. Carlton College. Announcer, Merrill O. Bolen. Daily 10:25-10:30 am, time. Tues, 9:30-10 pm, lecture. Wed, 9-10 pm, concert. Fri, 10-11 pm, organ. Sun, 7-8 pm. Central.

KFNF, Shenandoah, Iowa. 263m-1140kc. 500 watts. Henry Field Seed Co. Announcer, Henry Field. Slogan, "Friendly Station in a Friendly Town." Daily ex Sun, 12:15-1:35 pm; 2:45-4, rocking chair time; 7-9 pm. Sun, 10:45 am, 2:30 pm, 3-4, services; 6:30-7:30, Golden Rule; 7:30-8:30, church service. Central.

KFOA, Seattle, Wash. 454.3m-660kc. 1,000 watts. Rhodes Dept. Store. Slogan, "The Gateway to the Orient." Daily ex Sat, Sun, 12:30-1:30 pm. Daily ex Sun, 10-10:30 am, homemakers hour, 3-4 pm, women's clubs; 5:15, Times Bulletins, concert. Daily ex Sun, Thurs, 8:30-10 pm. Times program. Mon, Wed, Fri, 6:45-8:15 pm, studio music. Tues, Fri, Sat, 10-11:30 pm, orchestra. Central.

KFOB, Burlingame, Calif. 225.4m-1330kc. 50 watts. Burlingame KFOB Inc. Tues, 8-11 pm. Thurs, 9-11 pm. Sat, 8-12. Pacific.

KFON, Long Beach, Calif. 232.4m-1290kc. 500 watts. Nichols & Wariner, Inc. Slogan, "Where Your Ship Comes In." Daily ex Sun, Mon, 10-11 am; 2:30-5 pm; 6-11. Mon, 10-11 am; 6-11. Sun, 2:30-4 pm; 8-9. Pacific.

KFOO, Salt Lake City, Utah. 236.1m-1270kc. 250 watts. Latter Day Saints University. Announcer, Don C. McRae.

KFOR, David City, Nebr. 225.4m-1330kc. 100 watts. David City Tire & Elec. Co. Slogan, "The Voice of David City." Mon, 7-9 pm. Central.

KFOT, Wichita, Kan. 230.6m-1300kc. 50 watts. College Hill Radio Club. Announcer, Leon Garnett. Slogan, "Radiocasting Church." Sun, 11-12:30 pm; 7:30-9, church services. Mon, 9-10:30 pm, music. Central.

KFOX, Omaha, Nebr. 247.8m-1210kc. 100 watts. Board of Education. Technical High.

KFOY, St. Paul, Minn. 252m-1190kc. 50 watts. Beacon Radio Service. Daily ex Sun, 10 pm. Sun, 3:30-4:30 pm. Central.

KFPL, Dublin, Texas. 252m-1190kc. 15 watts. C. C. Baxter, announcer.

KFPM, Greenville, Texas. 241.8m-1240kc. 10 watts. The New Furniture Co. Announcer, Dave Ablowich, Jr. Slogan, "The New Furniture Co., the Home of Good Furniture," Located at Greenville, Texas, Where You Find "The Blackest Land, the Whitest People." Daily ex Sun, 1 pm, music. Tues, Wed, Fri, 8 pm. Sun, 11 am, services; 7:30 pm, irregularly. Central.

KFPR, Los Angeles, Calif. 230.6m-1300kc. 500 watts. Los Angeles Co. Forestry Dept. Irregular schedule.

KFPW, Carterville, Mo. 258.5m-1160kc. 20 watts. St. John M. S. church, S. Slogan, "Keeping Pace with Christ Means Progress." Tues, Fri, 8-10 pm, popular program. Sun, 1-3 pm, chapel service. Central.

KFPY, Spokane, Wash. 265.3m-1130kc. 100 watts. Symons Investment Co. Announcer, E. B. Craney. Daily ex Sun, Tues, 7-7:45 pm. Wed, 9-12. Thurs, 10-11 pm. Sat, 11-12 midnight. Sun, 9:45-10:30 am; 9-10 pm. Pacific.

KFQA, St. Louis, Mo. 280.2m-1070kc. 1,500 watts. The Principia. Thurs, 8 pm. Sun, 8 pm, church service. Central.

KFQB, Fort Worth, Tex. 508.2m-590kc. 1,000 watts. The Searchlight Pub. Co. Announcer, John R. Denning. Daily ex Sun, Wed, 8:30-9:30 pm. Sun, 8:30 am, 10, 3 pm, 4, 6, 7, 7:30. Central.

KFQD, Anchorage, Alaska. 227.1m-1320kc. 100 watts. Chovin Supply Co.

KFQP, Iowa City, Iowa. 223.7m-1340kc. 10 watts. George S. Carson, Jr. Wed, 8-9 pm. Central.

KFQU, Alma, Calif. 217.3m-1380kc. 100 watts. W. Riker. Announcer, Arthur J. Landstrom. Daily ex Mon, 9-10 pm. Sun, 11-12 m., 9-10 pm. Pacific.

KFQW, North Bend, Wash. 215.7m-1390kc. 50 watts. The Photo Radio and Elec. Shop. Announcer, Carl F. Knierim. Slogan, "At the Western Entrance of Snoqualmie Pass." Thurs, 8-9 pm. Sun, 8:45-10 pm. Pacific.

KFQZ, Hollywood, Calif. 225.4m-1330kc. 50 watts. Taft Radio Company. Tues, Fri, 9-11 pm. Pacific.

KFRB, Beeville, Texas. 247.8m-1210kc. 250 watts. Hall Brothers. Temporarily off the air.

KFRC, San Francisco, Calif. 215.7m-1390kc. 100 watts. City of Paris Dry Goods Co. Tues, Thurs, 8-9 pm. Sun, 8-9 pm. Pacific.

KFRU, Columbia, Mo. 499.7m-600kc. 500 watts. Stephens college. Mon, Tues, Thurs, Fri, 6:15 pm. Fri, 12-2 am. Wed, 9-11 pm. Sun, 7:30 pm; 9:20, 7:30 pm. Central.

KFRW, Olympia, Wash. 218.8m-1370kc. 50 watts. "The Loy Memorial." United Churches of Olympia. Slogan, "Make the World a Brotherhood." Thurs, 9-10 pm. Sun, 11-12:15 pm. 7:30-9. Pacific.

KFSG, Los Angeles, Calif. 275.1m-1090kc. 500 watts. Angeles Temple. Tues, Thurs, Fri, Sat, 3:30-4:30 pm. Tues, 6:30-7:30 pm. Wed, 2:30-4:30 pm; 6:30-7:30. Thurs, Fri, Sat, 7:30-11 pm. Sun, 10:30-12:30 pm, 2:30-4:30, 7-9:30. Mon, silent. Pacific.

KFUL, Galveston, Texas. 258.5m-1160kc. 50 watts. Thomas Groggan & Bros.

KFUO, St. Louis, Mo. 545.1m-550kc. 500 watts. Concordia Theological Seminary (Lutheran). Announcer, Herm. H. Hohenstein. Mon, 8 pm. Wed, 9:15 pm. Sun, 4 pm, 9:15. Central.

KFUP, Denver, Colo. 234.2m-1280kc. 50 watts. Fitzsimons General Hospital, Educational and Recreational Dept.

KFUR, Ogden, Utah. 223.7m-1340kc. 100 watts. Peery Building Co. Tues, Thurs, Sat, 9:50-11:50 pm, dance music. Mountain.

KFUS, Oakland, Calif. 256.3m-1170kc. 50 watts. The Gospel Radio. Slogan, "The City of Opportunity."

KFUT, Salt Lake City, Utah. 260.7m-1150kc. 100 watts. University of Utah. Mon, Wed, Fri, 12-1 pm. Mon, 12 m. Wed, Fri, 12:20 pm. Mountain.

KFUU, Oakland, Calif. 220.4m-1360kc. 50 watts. Mathewson Motor Co. Announcer, H. C. Colburn. Slogan, "The Voice of Automobile Row." Daily ex Sun, 10:45-11:45 am; 6:30-7:15 pm. Tues, Thurs, 8-10 pm. Sat, 6:30-2 am. Sun, 8-9:30 pm. Pacific.

KFVD, San Pedro, Calif. 205.4m-1460kc. 50 watts. McWhinnie Elec. Co.

KFVE, University City, Mo. 239.9m-1250kc. 500 watts. Film Corp. of America. Daily ex Thurs, Sun, 9:15 pm. Central.

KFVG, Independence, Kan. 236.1m-1270kc. 15 watts. First Methodist Episcopal church. Sun, services.

KFVH, Manhattan, Kan. 218.8m-1370kc. 15 watts. Whan Radio Shop. Announcer, Herbert Wahn. Slogan, "Kansas Fans Very Happy." Daily ex Sun, 12 m, markets. Daily ex Sun. Central.

KFVI, Houston, Texas. 239.9m-1250kc. 10 watts. Headquarters Troop 56th Cavalry Brigade.

KFVN, Welcome, Minn. 227m-1320kc. 50 watts. Carl E. Bagley. Slogan, "The Voice of Martin County." Daily ex Sun, 9 pm. Sun, 3 pm. Central.

KFVR, Denver, Colo. 243.8m-1230kc. 50 watts. Moonlight Ranch Broadcasting Station. Mon, Fri, 10-12 midnight. Tues, Sat, 8-9 pm. Wed, Thurs, 12-1 am. Mountain.

KFVS, Cape Girardeau, Mo. 223.7m-1340kc. 50 watts. Cape Girardeau Battery Station. Announcer, W. W. Watkins. Slogan, "The City of Opportunity." Thurs, 7 pm. Sun, 11 am, church. Central.

KFVW, San Diego, Calif. 245.8m-1220kc. 500 watts. Airfan Radio Corp.

KFVY, Albuquerque, N. M. 249.9m-1200kc. 10 watts. Radio Supply Co. Announcer, J. F. Walsh. Slogan, "Center of the Sunshine State." Daily ex Sun, 5:30-6:30 pm, dinner concert; baseball. Tues, Fri, 8-9:30 pm, dance music. Mountain.

KFWA, Ogden, Utah. 260.7m-1150kc. 500 watts. Browning Brothers Co. Announcer, H. C. Mailander. Slogan, "Keeping Friends with All." Daily ex Sun, 4-5 pm, Zenith hour, stocks, markets, time. Mon, Wed, Fri, 9-10 pm, music. Mon, Wed, 10-11 pm. Sun, 9-12 midnight, music. Mountain.

KFWB, Hollywood, Calif. 252m-1190kc. 500 watts. Warner Brothers.

KFWC, San Bernardino, Calif. 211.1m-1420kc. 50 watts. L. E. Wall.

KFWF, St. Louis, Mo. 214.2m-1400kc. 250 watts. St. Louis Truth Center. Slogan, "The Voice of Truth." Announcer, Rev. Charles H. Hartmann. Tues, 8 pm. Thurs, 7 pm, 7:45. Sat, 10 pm. Sun, 10:45 am; 7:45 pm. Central.

KFWH, Chico, Calif. 254.1m-1180kc. 100 watts. F. Wellington Morse, Jr. Slogan, "Kind Friends We're Here." Daily ex Sun, 10:30-11:30 am, 6:15-6:30 pm, news, music. Mon, Wed, Fri, 8-10 pm, 12-1:30 am; Sun, 9:30 am. Pacific.

KFWI, South San Francisco, Calif. 225.4m-1330kc. 500 watts. Radio Entertainments, Inc. Mon, Wed, Thurs, Fri, 1-2 pm. Mon, Wed, Fri, 8-9 pm. Mon, 9-12 pm. Wed, Fri, 9-1 am. Thurs, 10-12 midnight. Sat, 1:30-3 am. Sun, 10 am, 1-2 pm, 8-12 midnight. Pacific.

KFWM, Oakland, Calif. 206.8m-1450kc. 500 watts. Oakland Educational Society.

KFWO, Avalon, Calif. 211.1m-1420kc. 250 watts. Major Lawrence Mott-Signal Corp. Slogan, "Katalina for Wonderful Outings." Daily, 12:30-1:30pm, 7:30-9. Tues, Fri, Sun, 5-6 pm. Pacific.

KFWU, Pineville, La. 238m-1260kc. 100 watts. Louisiana, La.

KFWV, Portland, Ore. 212.6m-1410kc. 50 watts. Wilbur Jerman. Daily ex Sun, 6-7 pm; 7-7:30; 8-11.

KFXB, Big Bear Lake, Calif. 202.6m-1480kc. 500 watts. Bertram O. Heller. Announcer, Charles Stillwell. Slogan, "Rim of World Super Station." Daily ex Sun, 5 pm, news, weather, road reports. Pacific.

KFXC, Santa Maria, Calif. 209.7m-1430kc. 100 watts. Santa Maria Valley Railroad Company.

KFXD, Logan, Utah. 205.4m-1460kc. 10 watts. Service Radio Co.

KFXF, Colorado Springs, Colo. 249.9m-1200kc. 500 watts. Pikes Peak Broadcasting Company. Announcer, W. D. Pyle. Slogan, "The Pikes Peak Station." Daily ex Sun, 4:30 pm. Mon, Tues, 8:30-10:30 pm. Thurs, Sat, 9-11 pm. Sun, 10:45 am, 7:30 pm. Mountain.

KFXH, El Paso, Texas. 241.8m-1240kc. 50 watts. Bledsoe Radio Company. Announcer, Chuck Swann. Slogan, "The Voice of the Rio Grande." Mon, Wed, Fri, 8-10 pm. Mountain.

KFXJ, Colorado. 215.7m-1390kc. 10 watts. Mountain States Radio Distributors, Inc. (Portable.)

KFXM, Beaumont, Texas. 227m-1320kc. 10 watts. Neches Elec. Co.

KFXR, Oklahoma, Okla. 214.2m-1400kc. 15 watts. Classen Film Finishing Company.

KFXY, Flagstaff, Ariz. 205.4m-1460kc. 50 watts. Mary M. Costigan.

KFYF, Oxnard, Calif. 205.4m-1460kc. 10 watts. Carl's Radio Den. Announcer, Carl Newcomb. Slogan, "The Radio Voice from the Radio Den." Daily ex Sun, 5-6 pm, weather, crops, news, music. Pacific.

KFYJ, Houston, Texas. 238m-1260kc. 10 watts. Houston Chronicle Pub. Co.

KFYO, Texarkana, Tex. 209.7m-1440kc. Buchanan-Vaughan Co. Central.

KFYR, Bismarck, N. D. 247.8m-1210kc. 10 watts. Hoskins-Meyer, Inc.

KGO, Oakland, Calif. 361.2m-830kc. 4,000 watts. Gen. Elec. Co. Announcer, Howard I. Milholland. Daily ex Sun, 7:15-7:45, 8:15 am, exercises; 8:30, daily strength; 11:30 am, luncheon concert. Daily ex Sat, Sun, 1:30 pm; Sat, 12:30 pm, markets, weather. Mon, Wed, Fri, 3 pm, music. Daily ex Sun, Mon, 4-5:30 pm, concert orchestra. Mon, Tues, Wed, Fri, 6-7 pm, music. Mon, Tues, Thurs, Sat, 8-10 pm, lectures, music. Tues, Thurs, Sat, 8-12. Mon, 5:30-6 pm, Children's half hour. Mon, Tues, Wed, Thurs, Fri, 7 pm, stocks, markets, weather, news. Thurs, 5:30-6:30 pm, boys' hour. Fri, 5-5:30 pm, girl's half hour. Sun, 11-12 m, 8 pm, church services; 3:30-5 pm, Little Symphony orchestra. Pacific.

KGTT, San Francisco, Calif. 206.8m-1450kc. 50 watts. Glad Tidings Temple.

KGU, Honolulu, Hawaii. 270.1m-1110kc. 500 watts. Marion A. Mulrony, The Honolulu Advertiser. Announcer, Raymond A. Tilford. Daily, 7:30-9 pm. Tues, Thurs, Sat, special program. Sun, 11 am; 7:30 pm. 150 meridian. 2½ hours earlier than Pacific.

KGW, Portland,Ore. 491.5m-610kc. 500 watts. Portland Morning Oregonian. Announcer, Dick Haller. Slogan, "KGW, Keep Growing Wiser." Mon, Wed, Fri, 9:45-11:30 am. Tues, Thurs, Sat, 10-11:30 am. Mon, Wed, Fri, 7:15-7:30 am, exercises. Daily ex Sun, 12:30-1:30 pm. Mon, Tues, Wed, Thurs, Fri, 7:30-7:45 pm, utility service. Mon, Tues, Wed, Fri, 8-9 pm. Mon, Tues, 9-10 pm. Tues, Sat, 10-12. Wed, 9-11 pm. Fri, 9-10:30 pm; 10:30-12, Hoot Owls. Sun, 10:30-12 noon, 7:30-9 pm. Pacific.

KGY, Lacey, Wash. 245.8m-1220kc. 50 watts. St. Martins College. Announcer, Sebastian Ruth. Slogan, "Out Where the Cedars Meet the Sea." Sun, Tues, Thurs, 8:30-9:30 pm. Pacific.

KHJ, Los Angeles, Calif. 405.2m-740kc. 500 watts. Los Angeles Times. Announcer, John S. Daggett. Slogan, "Kindness, Happiness, Joy." Daily ex Sun, Mon, 7 am, 7:30, 12 m, 1:30 pm, 2:30, 3:30, 5:30, 11. Mon, 7-7:30 am, 12-1:30 pm. Sun, 10-12:30 pm, 6-7:30, 8-11. Pacific.

KHQ, Spokane, Wash. 272.6m-1100kc. 500 watts. Louis Wasmer, Inc. Slogan, "In the Friendly City."

KIAF, Sihtepoc, Minn. 422.3m-710kc. 500 watts. Steele Co. Slogan, "Far from the Maddening Crowd" Mon, Wed, Fri, 7-8 pm. Sun, 2-3 pm. Central.

KJBS, San Francisco, Calif. 220.4m-1360kc. 5 watts. Julius Brunton & Sons Co. Announcer, Edward Ludes. Daily ex Sun, 9-10:40 am; 2-2:30 pm. Mon, Wed, 8-10 pm. Fri, 8-11:30 pm. "Royal Order of Smoked Herring." Pacific.

KJR, Seattle, Wash. 384.4m-780kc. 1,000 watts. Northwest Radio Service Co. Announcer, Ross W. Swift. Slogan, "Radio Headquarters." Daily ex Sun, 10:30-11:30 am, educational program; 1:30-3 pm, matinee; 3, time; 5-6 pm, stocks, time; 6, time; 7-8:30, 8:30-10, 11-12:30. Sun, 11-12:30 pm, service; 5-6 pm, 7-9, 9-10:30. Pacific.

KLDS, Independence, Mo. 440.9m-680kc. 1,000 watts. Reorganized Church of Jesus Christ of Latter Day Saints. Announcer, Arthur B. Church. Tues, 6:30 am, 8 pm, 11:59. Thurs, 8 pm. Fri, 6:30 am. Sat, 8 pm. Sun, 11 am, 3 pm, 6:30, 9. Central.

KLS, Oakland, Calif. 249.9m-1200kc. 250 watts. Warner Bros. Radio Supplies. Announcer, S. Warner. Slogan, "The City of Golden Opportunity." Sun, 10-11 am. Pacific.

KLX, Oakland, Calif. 508.2m-590kc. 500 watts. Oakland Tribune. Announcer, Charles H. Gabriel, Jr. Slogan, "Where Rail and Water Meet." Mon, Fri, 4-7:30 pm; 8-10:30. Tues, Thurs, Sat, 7-7:30 pm. Wed, 8-11:30 pm. Pacific.

KLZ, Denver, Colo. 265.3m-1130kc. 250 watts. Reynolds Radio Co. Announcer, Mrs. William D. Reynolds. Slogan, "Its a Privilege to Live in Colorado." Wed, Sat, Sun, 9 pm. Mountain.

KMA, Shenandoah, Iowa. 252m-1190kc. 500 watts. May Seed & Nursery Co. Daily ex Sun, 11:30-12:30 pm, 6-7, 9-11. Sun, 4-6 pm. Central.

KMJ, Fresno, Calif. 234.2m-1280kc. 50 watts. Fresno Bee. Mon, Wed, Fri, 7:15-9:15 pm. Pacific.

KMMJ, Clay Center, Nebr. 228.9m-1310kc. 1,000 watts. M. M. Johnson Co. Daily ex Sun, Wed, 1:30 pm; 7:30. Central.

KMO, Tacoma, Wash. 249.9m-1200kc. 100 watts. Association Station. (Love Electric Co.) Mon, Wed, Fri, 6-7 pm, popular program; 9-10, artist's program. Pacific.

(Note—The second part of the station list will appear next week.)

CHALLENGE!

ONE DOLLAR will be paid to the Radio fan submitting the most errors in any one station's listing in this directory. Letters must reach Radio Digest office not later than one week from date of issue corrected. Readers are not limited to correcting one station, but such corrections must be certified by the stations themselves, and NOT by comparison to other so-called accurate broadcasting directors and lists. Readers also must live in same state or province as stations corrected are located. Station verifications must accompany corrections.

That's just how sure Radio Digest is that this broadcasting station directory is correct! To make the challenge fair for everyone, broadcasting stations and their employes are barred from this offer. Why? Because the broadcasters are the source of all the data given herein. They are (or should be) interested enough to answer the inquiry sent them every time data on their station appears. This inquiry contains a proof of their last listing and must either be corrected or O K'd as correct and returned to the Digest. Nevertheless, sometimes the stations are careless and mistakes are made. But Radio Digest is so sure of the exactness of this directory that this challenge is made unconditionally.

With reference to the directory: It appears in six parts, serially continuously; the first four parts are station data listings, arranged alphabetically; the fifth part is a state, city index of stations; the sixth part is a wave length index. The information contained in each station data listing is given in the following order: Call letters, city, state, wave length used, watts antenna input, owner's name, announcer's name, slogan used if any, name of listener in "club," schedule of operating hours, and kind of time used, as "Central," "Mountain," etc.

Six successive issues of Radio Digest will give one the most complete and accurate list of broadcasting stations obtainable. This service is original with this publication, and has been maintained from the start. Right of reproduction without permission of any or all of the data contained herein is denied.

Your Home— Deserves This Radio

Compact-Fits any Corner— A Beautiful Piece of Furniture

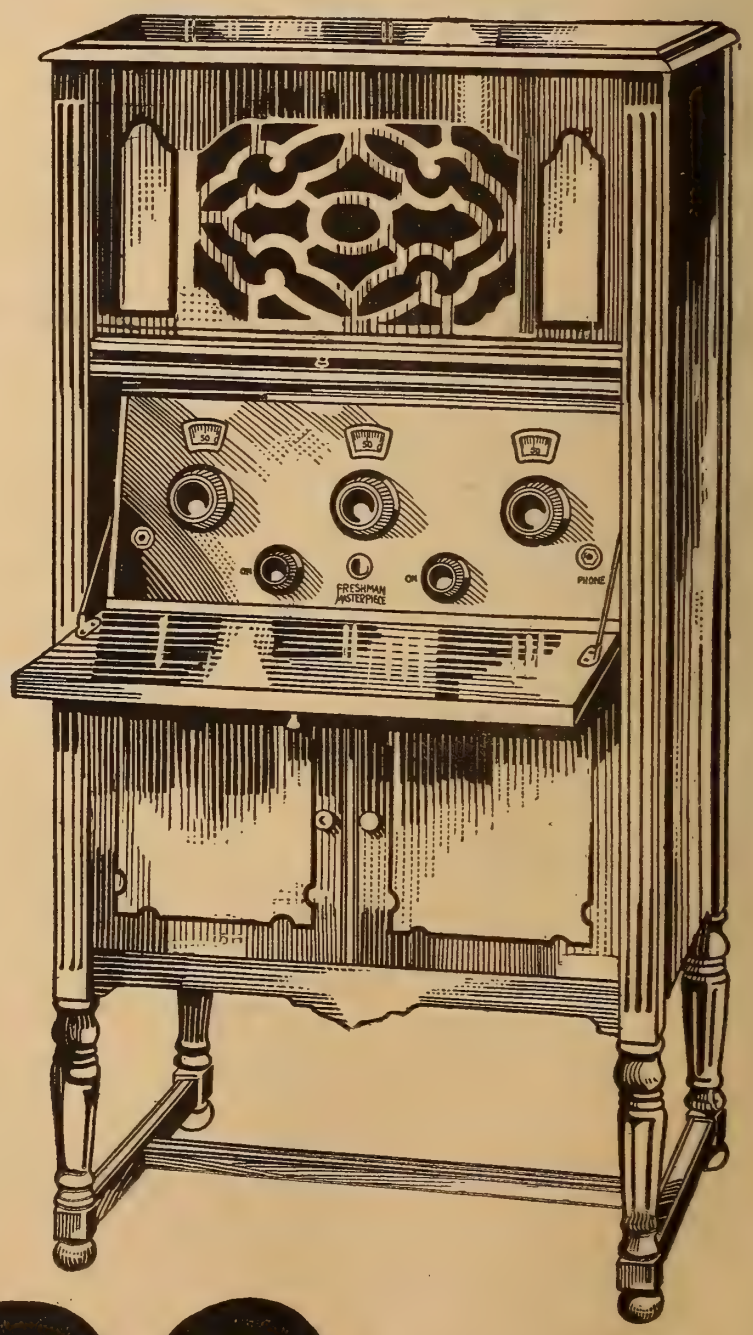
of genuine five-ply mahogany with built-in loud speaker of great volume and superb tone and spacious compartments for all batteries and other accessories—not a single wire being visible.

MODEL 6-F-I

New and Improved

FRESHMAN MASTERPIECE

The Worlds Greatest Radio Value



Freshman's latest sensation has a real appeal to the women of the home. It is compact and comparatively small, giving it preference over clumsy consoles. Contains an especially large tone chamber, made by the manufacturer of the world's foremost phonograph.

When not used as a radio, it can be entirely closed. The top is stationary and provides an attractive resting place for vases and other ornaments, so essential to the women of the house.

The Radio Receiver Women Have Been Waiting For

Write for interesting literature describing this wonder set in detail.

Sold on Convenient Terms by Authorized Freshman Dealers, who also Install and Service Them

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Read "A Step On the Stairs" Mystery

Radio Digest

EVERY WEEK — Illustrated PROGRAMS — TEN CENTS

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Boy Scouts Master Radio Tricks; WCCO Portal Players Make Up for Mystery Serial; Gold Cup Announcer Contest Opens; Fifth Installment SOS Story; Women's Programs

No. 1 OFFICIAL BALLOT

Announcers' Contest

RADIO DIGEST THIRD ANNUAL GOLD CUP AWARD

GOLD CUP AWARD Editor, Radio Digest,
510 North Dearborn Street, Chicago, Ill.

Please credit this ballot to:

.....of Station.....
(Announcer's Name) (Call Letters)

Signed.....

Address.....

City..... State.....

3-27-26

NOMINATION CERTIFICATE

Announcers' Contest

Radio Digest Third Annual GOLD CUP AWARD

GOLD CUP AWARD Editor, Radio Digest,
510 North Dearborn Street, Chicago, Ill.

Dear Sir:

I nominate.....

Station.....
(Broadcasting Station)

Signed.....

Address.....

Town..... State.....

VIENNA STATION TO INSTALL TELEVISION

BELIN SYSTEM TO BE USED TO TRANSMIT PICTURES

Announcement Has Mixed Reception Because of Invention Selected and Move Thought Premature

By F. M. Delano

VIENNA, Austria.—The new Vienna station looks like being the first broadcasting station in the world to launch out into the broadcasting of pictures by television. It is announced that they have made an agreement with M. Edouard Belin, the French inventor, to adopt his system of television and that M. Belin is coming to Vienna shortly for the purpose of installing the apparatus.

This announcement has had a mixed reception here. While the enterprise of the station is commanded, it is pointed out that they may have acted somewhat rashly, as many hold that the Belin system is not at the moment the best. The Karolus method, which has been launched by the Telefunken people, has warm partisans here, while similar claims are made for the invention of a Viennese engineer, Professor Tschorner.

Another line of criticism is that the Ravag, the company which holds the broadcasting monopoly in Austria, would be better advised, pending the evolution of a foolproof television system, to spend what surplus money it may have on improving its programs, which are said not always to be up to the required standard.

428 Applications for New Station Licenses

List Shows Great Publicity Value of Radio Broadcasting

WASHINGTON, D. C.—The department of commerce has just made public for the first time a list of applicants for new broadcasting stations throughout the United States. The list reveals that 428 new broadcasting stations would soon be on the air if there were wave lengths to accommodate them.

According to officials of the department of commerce, the list indicates the great publicity value attached to Radio broadcasting. At the present time there are 536 stations. If licenses could be granted to the new applicants, it would almost double the total number of stations.

Can Keep Clocks Correct

CINCINNATI.—Radio is affording housewives an opportunity to keep their clocks correct. Correct time is broadcast through the Crosley, WLW, station at 11:55 a. m. and whenever the programs are concluded.

BET YOU NOW WISH WE HAD TELEVISION

THE young lady whose picture appears on our cover this issue is Miss Isabel Dawn, one of the new and most interesting stars of the First National Pictures, Inc. Just now she is appearing before the microphone of WJZ, New York, in a series of Radio playlets provided by the film company. She has received a tremendous mail applause for her success in the title role of "Irene" and when television comes with Radio, Miss Dawn will be fully prepared to perform the double role for the lens and the microphone at the same time.

WLS Is Teaching Women to Buy Better Quality Fabrics

CHICAGO.—To teach women to know, appreciate and buy the better quality fabrics is the mission of the unique Radio textile school for homemakers, just organized by the Sears-Roebuck Agricultural Foundation over its station here, WLS.

Miss Elizabeth Weirick, a noted textile expert, is the director of the new school and will be the principal instructor at its classes, which are held over WLS every Tuesday afternoon from 3 to 4, Central time.

Says Radio Has Increased Circulations of Libraries

CHICAGO.—A stimulated interest in an increased circulation of library books have resulted from the universal popularity of Radio, declares the American Library association, after compiling reports from various parts of the country dealing with the influence of Radio.

Once considered to be a new form of amusement which would divert the interest of the American family and discourage reading habits, public libraries have found in Radio an ally for extending the circulation of good books. Cooperation of libraries with Radio stations everywhere has had a salutary effect, according to the library association. There are now more than forty stations which broadcast regular book news.

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Looking Ahead

Accused of Piracy, the Veteran Broadcaster, WJAZ, Armed Her Crew to the teeth, hoisted the skull and cross bones and cut her course directly across the air to meet a wandering wave flying the Union Jack. Sulphuric Smith let loose with a triple octave baritone broadside and caught the Hoover bark in a crossfire. Bloody details in a forthcoming issue of Radio Digest.

It Has to Be Good If It Comes from Milwaukee and that's why the Marquette University-Milwaukee Journal Radio Station WHAD feels obligated to present programs of infinite variety and full entertainment value. Turnvereins and firemen "horn in" to continue the fame of Milwaukee. Read about them, see them in next Radio Digest.

Whose Were the Extra Heads? Who Stepped on Tolliver's Hands? Was someone trying to drug the whole party with ether? Real fireworks begin in the next installment of "A Step On the Stairs." A flashlight throws a weird beam and then strange voices—get new thrills and get your Radio Digest early.

Super-Torrodyne Is An Unusual Super designed by Prof. J. E. Owen of the bureau of tests and measurements at the University of Oklahoma in which the outstanding feature is the use of torroidal coils for the input coupler and the oscillator coupler. The result is no direct pick-up of signals by these units and the only energy traveling the circuits is that which comes in on the antenna. Its construction will be given in the Radio Digest.

Another Raytheon B Power Supply will be presented in the next issue. This uses a compact Jefferson unit combining the transformer, chokes and socket in one case. The wiring is further simplified by the use of a Tobe unit which combines the three filter condensers in one case—wired. Four B voltages of 45, 67, 90 and 135 volts can be obtained.

Newsstands Don't Always Have One Left

WHEN YOU WANT

Radio Digest

YOU WANT IT!

BE SURE OF YOUR WEEKLY COPY BY SUBSCRIBING NOW

SEND IN THE BLANK TODAY

Publisher Radio Digest,
510 N. Dearborn St.,
Chicago, Illinois.

Please find enclosed check M. O. for Five Dollars (Six, Foreign) for One Year's Subscription to Radio Digest, Illustrated.

Name .....

Address .....

City..... State.....

CLAIMS RADIO WILL CREATE FOLK MUSIC

REAL AMERICAN TUNES TO BE BASED UPON JAZZ

National Authority Says United States Will Develop Individual Type Through Broadcasts

CHICAGO.—Under the withering white glare of the Radio spotlight the average jazz tune curls up and dies six months before its pre-radio allotted time.

Only the virile, the sturdiest of worthwhile compositions of a jazz nature can survive the infinite repetitions within a short space that Radio gives to every new tune. Thus, by the survival of the fittest, America is developing for the first time a genuine lore of folk music, based on jazz.

This is the opinion of Dr. Sigmund Spaeth, author of many volumes on modern music and music trends, and a leading authority on music in all its phases, whose innultrated lectures on the subject over the microphone of WLS, the Sears-Roebuck Agricultural Foundation station, have created a mild sensation and an avalanche of "applause letters."

"There never has been any genuine American music," Dr. Spaeth believes. "For a century and a half we have imitated the European style. We have been insincere in music, posing. Whether we liked the classical or not, we have pretended to do so, to save our faces.

"Jazz is as American as baseball. Jazz is restless, honest, obvious, energetic, vulgar, human, impulsive—a cross section of Yankee human nature in the raw.

"Radio is a refining furnace from which survives the best in jazz music. Gradually a body of music, basically jazz, is being built up that is the first evidence of a truly American folk music."

KOA Spring Cleaning to Overhaul Antenna

Find Dry Denver Air Keeps Wires from Corroding

DENVER.—Prepatory to the pre-summer broadcasting season, KOA's transmitting equipment and towering antenna system recently were given a rigid spring inspection at the hands of the technical staff members.

"Examination of antenna joints and connections, insulators, etc., are important at this time in anticipation of the usual spring winds," declared C. J. LaGue, chief engineer of the General Electric station.

"We were particularly interested to find a complete absence of corrosion on the antenna wires and down leads," he continued. "This condition, no doubt, is explained by the thin, dry atmosphere at this altitude."

Libel Suit Brought Against Station Dismissed by Court

OKLAHOMA CITY, Okla.—The suit against Station KFJF, here, for $20,000 for alleged libelous statements made from the station by Rev. McConnell, while the station was leased by him, has been thrown out of court before even being set on the court calender. The suit was filed by Undersheriff Friss of Oklahoma county, following a widely-advertised talk by Rev. McConnell in which certain matters regarding the official conduct of the officer were mentioned in regard to the liquor industry.

Attorneys for KFJF filed a demurrer, setting up the fact that the station only furnished the equipment under lease; that the Southwestern Bell Telephone company (A. T. & T.) also was a party as their leased wires were involved; also the Oklahome Gas & Electric company (Billeysby company's subsidiary), as their poles were leased. Following this action, the case was dismissed.

OPEN GOLD CUP AWARD FOR 1926

NEWS BRIEFS FROM THE BROADCASTERS

COOLIDGE TO TRY TO TALK TO SOUTH AMERICA

WHAP Engages New Woodwind Sextette—CKY Invaded by 600 Farmers —Law Series from WEAF

An attempt to transmit the voice of President Coolidge, never before heard outside North America, to the countries of South America will be made April 8, by Stations WRC, Washington, and WJZ, New York, when the president formally welcomes the delegates to the first Pan-American Congress of Journalists to Washington.

* *

The success of the recent series of woodwind concerts given from WHAP has led the studio management to engage the services of a new woodwind sextet, which will be heard for the first time next Friday evening, March 19, at 8:30. This organization, the Philharmonic Woodwind ensemble, is recruited from members of the New York Philharmonic orchestra.

* *

When Winnipeg was "invaded" by more than 600 farmers from North Dakota, recently one of the places surrounded and carried by storm was the CKY studio. The microphone was left open as the visitors passed through the studio and every member of the party—with one or two shy exceptions—said "Hello" to his friends who were listening in at home.

* *

Although but a few minutes in length, one of the most interesting programs broadcast by KFI is the weather forecast of Father Ricard put on the air each Sunday evening at 6:45 p. m. Pacific time. For many years Father Ricard has studied the weather in his little observatory at Santa Clara and has evolved a system of

weather prognostication that has proven to be so accurate that even hardy Californians, usually ready to fight at the drop of a slurring remark about California weather, philosophically resign themselves to their fate when the "Father of the Rains" predicts cloudy weather over KFI for the following week.

* *

A popular series of addresses by leading legal lights of the eastern section of the country will be heard by the listeners of WEAF during the week beginning Monday, April 5. These addresses will deal with the important factors of law and law enforcement and are under the auspices of the American Bar association.

* *

As a result of appearances before the microphones of KPO, Reg. Code, San Francisco orchestra leader, has received an offer to bring his dance group to one of the leading hotels of Shanghai, China.

RULES FOR THIRD GOLD CUP AWARD

BEGINNING with the March 27 issue of Radio Digest, the third annual Radio Digest Gold Cup Award opens. All broadcasting station announcers are eligible for entry, either by themselves or by admirers, the only condition being that use be made of the nomination blank which appears on page 2. The Gold Cup Award is for the purpose of determining the world's most popular broadcasting station announcer. To him will be presented a solid, 14-carat gold cup, similar to those given the announcer winners of the 1924 and 1925 awards.

The popularity is determined by means of the balloting of readers of Radio Digest using the ballots appearing on page 2 each week during the period of the contest. The winning announcer will be the one polling the largest number of votes.

Contest Rules

1. The contest opens with the March 27 issue when the first ballot appears, and closes with the last ballot in the August 28 issue. No ballots will be received later than midnight, September 4, 1926. These ballots will be numbered consecutively.

2. Anyone may vote with ballots clipped from Radio Digest. Voting consists in filling in the ballots with the name or nickname of the announcer and his station and mailing to the GOLD CUP AWARD EDITOR, Radio Digest, 510 N. Dearborn St., Chicago.

Bonus Votes

3. When sent singly, each ballot counts for one vote. BONUSES are given your candidate in accordance with the following schedule:

For each four consecutively numbered ballots sent in at one time, a bonus of eight votes will be allowed.

For each eight consecutively numbered ballots, a bonus of twenty votes, etc.

For each twelve consecutively numbered ballots, a bonus of thirty votes, etc.

For a complete series of the consecutively numbered ballots, sent in at one time, a bonus of fifty votes will be allowed.

Prizes Offered

4. The announcer polling the largest number of votes will be declared the world's most popular Radio announcer for 1926 and will be awarded the Radio Digest GOLD CUP. The announcer polling the second largest number of votes will be awarded a beautiful silver loving cup.

5. A beautiful silver loving cup will be awarded to the Canadian announcer receiving the highest vote of all the Canadian announcers entered in the gold cup award contest.

6. In the event of a tie for either of the prizes offered, a prize identical in all respects with that tied for will be awarded to each tying contestant.

7. Any question that may arise during the contest will be decided by the **Gold Cup Award Editor**, and his decision will be final.

LISTENERS ASKED TO SELECT MOST DESERVING ANNOUNCER

Prepare to Coronate New "King of the Air"—McNamee in 1925 and George Hay in 1924 Were Victors

For the third successive year the stage is set for the selection of the world's most popular announcer. Once more the victor will be presented with a solid gold cup, the gift of Radio Digest. The Radio Digest third annual Gold Cup Award is under way, beginning with this issue.

Who will prove to be the 1926 champion announcer? Who is it that has proved himself, this year, dearest to the hearts of most members of the Radio audience?

Listeners who remember the 1924 and 1925 Gold Cup Awards have been wondering and asking when they would be given the opportunity of selecting the 1926 champion. Their questions are answered this week.

The great enthusiasm displayed in last year's Gold Cup Award when Graham McNamee won, and the also warmly contested race of 1924 when George Dewey Hay took the golden trophy, is again expected to be overshadowed by the interest when the balloting starts this year.

Purpose of Award

Radio Digest, realizing the strong contact power of the broadcasting announcer, endeavors with the annual Gold Cup Award to determine by an international vote who is the world's champion master of Radio ceremonies. Listeners in every country of the world are invited to participate in the election of the man or woman to be "king" announcer for 1926 and recipient of the Radio Digest Gold Cup.

The annual competition aims not only to pick the favorite announcers, but to raise even higher the already high standards set for announcing. The past two years' awards have proven invaluable in this respect and many Radio personalities have shown marked improvement as a result of the competitions.

Two additional prizes, hitherto not awarded, have been added to the rewards for the winners this year. Both are silver

(Continued on page 8)

1924 AND 1925 GOLD CUP WINNERS

The first two announcers to receive the Radio Digest Gold Cup Award are shown here with the solid gold cup presented last year. Left is George D. Hay, formerly of WMC and WLS, now of WSM, Nashville, who won the first cup in 1924 and was proclaimed world's most popular announcer for that year. Above, Graham McNamee of WEAF, in a pose taken last year just after he had been presented with the 1925 gold cup by Radio Digest. The 1926 cup is shown at the right.

Plan New Cornell Station

ITHACA.—Plans for a 1,000-watt Radio broadcasting station at Cornell university are under way, to rank among the foremost stations in the country. The proposed station will be sponsored by one of the large electric companies, with a gift said to be at least $15,000 for installation.

Scouts Master Radio Tricks

PRACTICALLY All of 800,000 Boy Members Take Keen Interest in Receiving and Sending Skill— Award Merit Badges

By MARSHAL TAYLOR

Mr. Martin calls attention to the Radio Merit Badge awarded to members of the organization who show special enterprise and ability in the science of Radio technique.

ROBINS are back, buds are swelling on the trees, frogs are singing, faint vernal odors tinge the vagrant breezes. Up through vibrant earth mold in the woodlands violets and adder tongues are pushing their tender heads to the warm spring sunshine. Happy hiking days are here, the happiest and most invigorating of all the seasons. And oh for the Boy Scouts with tingling sinews and eager feet tramping on the spongy moss, clambering over the wet stones and skipping through the brooklets of bubbling springs!

Come on, boys, we're off! Hop into the old flivver and away we go to Swallow Cliff and the forest preserve. Let's take supplies for Saturday, Sunday and breakfast on Monday morning at sunrise. What have we? Here is a slab of bacon. Run down to the delicatessen for some weenies—those fat kind—and some buns, hot dogs, Oh Boy! Don't forget to bring half a dozen cans of pork and beans. What else? Ah, the Radio outfits! By all means! What Boy Scout camp is complete these days without Radio—sending and receiving?

Gather around here, Scouts. Which one of you on this trip has an amateur's license? Mickey Meyers—good for you Mickey. Get your stuff together and we'll make a place for it in the back. Too bad you can't get away this time, Bob, but you and Mickey fix it up to signal about six tonight. You will be home from the dentist's by then and we'll tell you what we are doing. What do you say?

Morrell and Allen can bring the big super-het in the other fliv and we'll get the music when the stars are out.

All right! Let's go.

* * * *

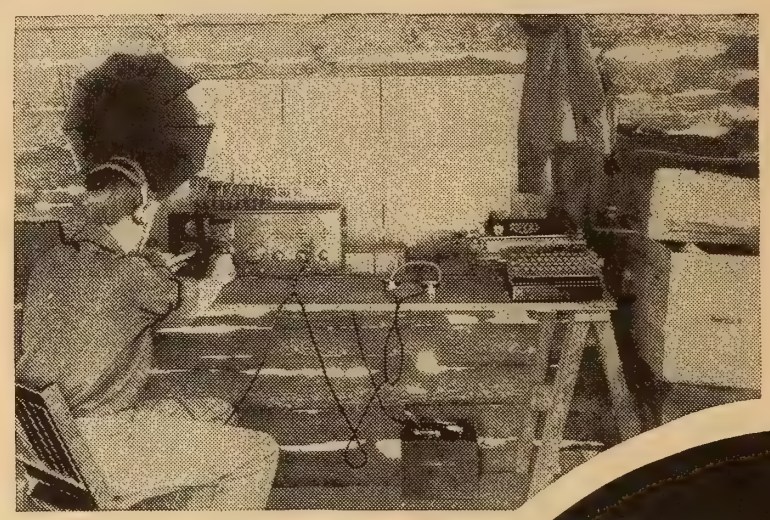
"A RECENT questionnaire sent to Boy Scouts throughout the country," writes E. S. Martin, secretary of the editorial board in New York, "revealed that 95 per cent of them either owned Radios or wanted to. The membership is nearly 800,000, a solid unit working together.

"In Boy Scout camps, the use of the Radio and the interest in it are practically universal, and have been for some time; a Boy Scout troop not having a Radio outfit is a rare exception. This is evident even in the winter camps where six hundred Boy Scouts camped during the holidays at Interstate Park of New York and New Jersey. Radio sets were almost as common as snowshoes and skis."

Here is what a Boy Scout must do to win one of those badges:

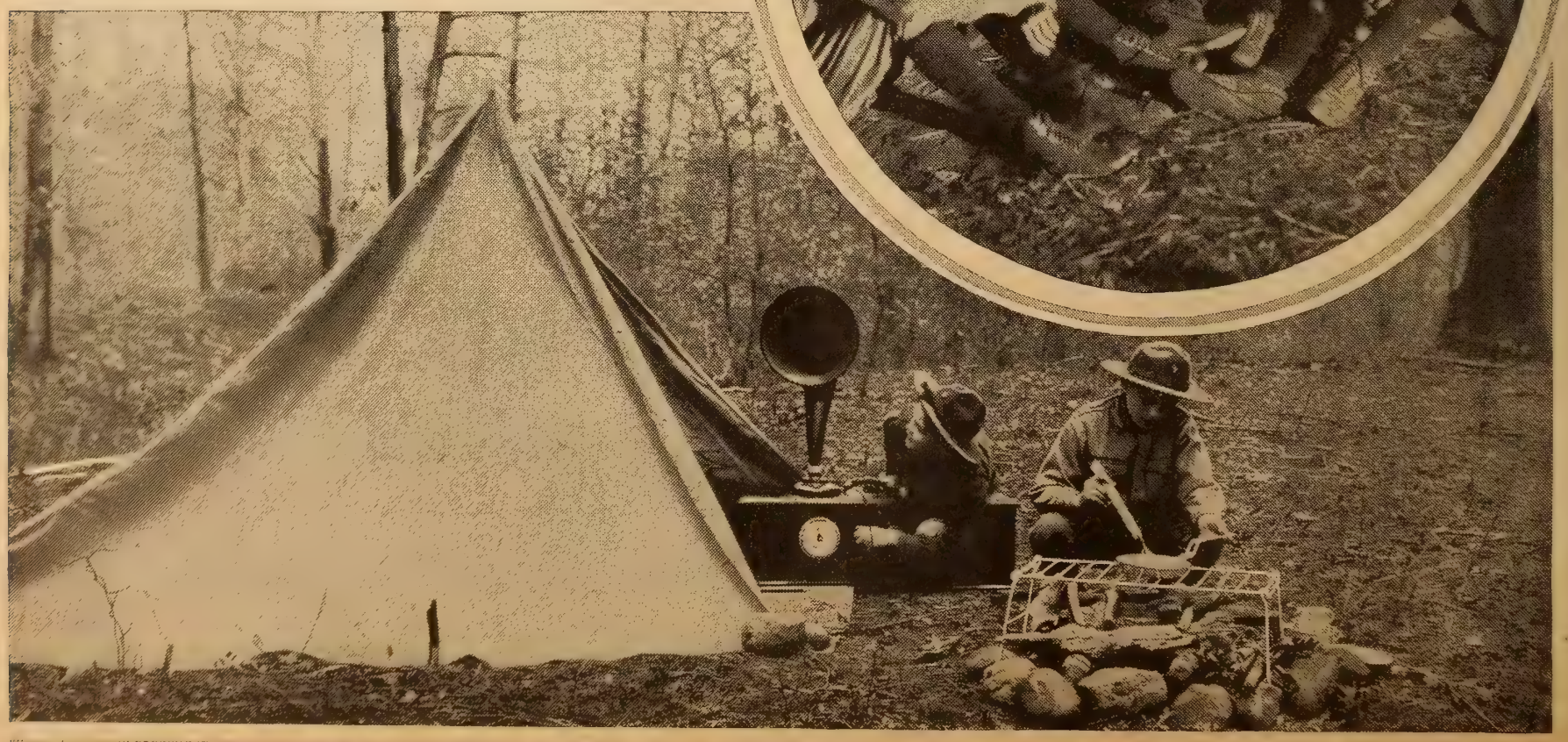
1. Receive and send correctly not less than ten words per minute.
2. (a) Explain how to get in communication with another station.
   (b) Explain how to send a message in proper form.
3. Tell in own words the principal laws and regulations regarding Radio communication.
4. Demonstrate at least ten of the radiogram abbreviations (Q signals).
5. (a) Explain the purpose of a detector and adjust a crystal detector, using a buzzer to test its adjustment.
   (b) Name two minerals used in crystal detectors.
6. Draw from memory, using correct symbols, a hook-up diagram of a complete vacuum tube transmitting apparatus, including generator or batteries, vacuum tube, condenser, tuning helix key, antenna, ground, and the necessary protective devices. Describe each part of the apparatus and explain its function. Explain how to use a wave meter in connection with this transmitting apparatus to secure the proper wave length of radiation.

(*Continued on page 8*)



Scout Fred Clark of Chicago in contact with his home town through a short wave receiving set in Boy Scout camp at Owasippi, Whitehall, Michigan.

Boy Scouts of the Brooklyn Edison company (right) assembled a Radio set while at camp near Lincoln Park, N. J., and spent the evening listening in on broadcast programs. Below are two New York Scouts in their week-end camp near Swallow Cliff in a forest preserve—a two-hour flivver ride from their home.



Twin Cities Thrilled by "SOS"

Portal Players Put Realism in Radio

Mystery Drama at Station WCCO. Mythical Station Causes Furore. Many World-Famous Stage Celebrities Make Debut in Minnesota

By HAROLD P. BROWN

WHEN Longfellow wrote the classic legend of Hiawatha and Minnehaha, he left out one of the most ancient and honorable pleasantries about the Twin Cities, both of which seem to have a reasonable claim to Minnehaha Falls. The famous poet forgot to remember that it was said of old when these two cities grow until they merge into one they shall take the name of "Minnehaha" with Minneapolis taking the "Minne" and St. Paul taking the ———.

Have a care there, Hari Singh! I did not say it! Stand back, I tell you! I saw the cruel glitter in your eye as you thrust your head from behind that curtain across the page. What is that clenched in your hand behind those velvet folds —Ah! Ha!

But Hari Singh does not move. Nor should he. He is one of the famous Portal Players of the Gold Medal Station WCCO, and little cares he for such moss-grown crudities as this mirthless jibe. Hari Singh as he crouches there, motionless, is doubtless listening to a tap-tap-tap in the hallway of the old Turner manse where Lawyer Ardwyn has arranged for the late Peleg Turner to try to speak to his relatives from his grave through a Radio loudspeaker.

These are the WCCO players in the characters of the first great Radio mystery serial, "A Step On the Stairs."

THEY are typical of the brilliance and capability of this big broadcasting station of the Northwest. If ever the twain shall meet—St. Paul and Minneapolis—at a common municipal council, Gold Medal Station WCCO will deserve its share of credit for the unity. Never before was there such a powerful bond between them. Figuratively the station towers stand respectively in the two separate cities, one on the Union station in St. Paul and the other on the Nicollet Hotel in Minneapolis. And from the long span of this theoretical antenna WCCO speaks as one to the whole world. Its motto is "Service to the Northwest."

There is a world of energy and purpose in this station. The staff immediately seized upon the new idea "A Step On the Stairs" as an important phase of Radio entertainment. Going about the business at once of making the most of the opportunity, Mr. H. A. Bellows, manager of the station, and Miss Helen R. Fish, director of the players, arranged for a dress rehearsal and a stage setting to correspond as nearly as possible with the scene described in the story. Each character was chosen because of his or her special talents and understanding of the theme. Each one studied his part seriously and attentively to get over to the unseen audience the utmost intended by the author.

* * *

HOW well the ensemble succeeded is told in a letter by E. H. Gammons, publicity manager of the station. He wrote as follows:

"After listening to two rehearsals of the first episode of 'A Step On the Stairs' last night, I am a trifle shaky today. Although I was entirely familiar with the script, knowing it almost line for line, I must admit that when I sat in the reception room and listened to them monitor the play last night, the cold shivers ran up and down my spine in a way that they haven't for many years, not even during the coldest Minnesota weather. I don't believe Crawford, our colored porter, who listened in with me, will ever be the same color again. We go on at 10:05 tonight, and, unless I am badly mistaken, we have a knockout."

That speaks well for both the WCCO Portal Players, their interpretation, and the scheme of the play. Apparently the presentation fulfilled his entire expectations for the next day he wrote again. There were the usual letters and telephone calls of appreciation but—

"The most amusing thing in connection with the broadcast," said Mr. Gammons, "was that hardly had we completed it when telephone calls began to come in complaining that some station, FYX, had come on the air right on our wave length at the critical moment of the play and blanketed us. In fact one St. Paul listener was so excited about it that he didn't get the call letters and accused one of the small 50-watt stations in the neighborhood of having come on the air (*Continued on page 16*)

Sinister and brooding are the eyes of Hari Singh, portrayed by Vernon C. Miller (above) at WCCO. Joseph Le Vander (right) is the ghost of Peleg Turner and speaks with sepulchral tones.

By careful rehearsing Helen R. Fish (top), director, made "A Step On the Stairs" seem real to WCCO listeners. Cousin William (J. C. Nelson) and Aunt Helen (Katherine Jefferies) above. Portal Players, listening (right).

"I love you, marry me," insisted Henry Graves, a mysterious guest in the haunted home of the Turners, as he whispered to Mary Williams. Graves is played by Paul Thur (above) and Mary Williams is played by Florence Murphy.

SECRETS OF SALAD BY BETTY CROCKER

MANY COMBINATIONS GIVE LIMITLESS VARIETY

Numerous Tasty Dishes May Be Made by Blending of Different Colors and Flavors

Have you heard, and do you regularly listen for Betty Crocker's Radio talks? Miss Crocker is nationally known as a home food specialist who is broadcasting from a dozen of the country's largest stations. By special arrangement Radio Digest has secured a series of exclusive articles by Miss Crocker dealing with her current Radio talks. These broadcasts are made through WEEI, WEAF, WCAE, WGR, WEAR, WWJ, WDAF, WJAR, WHT, WFI, ESD, KFI, and WCCO, the Gold Medal station at Minneapolis-St. Paul. All of Miss Crocker's recipes and discussions are based upon actual investigations and work of herself and her assistants in model kitchens.—Editor's Note.

By Betty Crocker

I AM sure that our lesson today is a popular one. In fact, I do not believe there is a more popular subject in the whole realm of cookery than salad. We are always looking for new salads, and the nice part of it is, we usually find them, because the number of possible combinations is practically limitless. Since we make salads of fruits, vegetables, meats, nuts, cheese, eggs and gelatine, it should be easy to have practically a different salad every day of the year. However, that is unnecessary as we prefer to serve our favorite salads over and over again.

Blend Colors and Flavors

I sometimes think we have gone too far in working out new salad combinations, as some of them are rather weird. Often they present a beautiful appearance and yet are unappetizing. Food should be attractive to the eye, and yet by no means should it offend the stomach. An over-decorated salad looks fussy and stuffy, just like an over-decorated room or an over-dressed woman. If you are a real artist, you can combine colors and flavors in a salad as an artist combines colors on a canvas. The different parts of the salad should blend together as tones of music to make one harmonious whole. Be careful that you do not allow a false note to creep in, either as to color or flavor. Salad material should always be crisp and fresh. A wilted salad presents a most discouraged appearance, and is decidedly unappetizing.

Food Values Vary

The food value of a salad varies greatly, according to the ingredients used. A substantial salad may serve as the main dish for lunch or supper. The more simple salads although not so substantial are equally valuable for the acids, minerals, and vitamins they supply to the body. At this time of the year, it is especially important that we serve salads if we would avoid bitter spring tonics later on. Fruit and vegetables are most important in our winter diet. During the cold months, it is not always easy or even possible to get fresh green salad foods, but there are so many possibilities for winter

(Continued on page 17)

INDIVIDUALIZING THE FASHIONS HER WORK

"Georgette"

INDIVIDUALIZED fashions is the interesting topic and life study of "Georgette," known to feminine readers of ninety daily newspapers and several women's magazines by that name or as Florence Vincent George. Besides her great audience of the daily press, Miss George is now broadcasting over the Radio through WEBH, Edgewater Beach hotel-Herald and Examiner station in Chicago. Here she is heard every Monday and Thursday at 11:30 a. m. Central time.

"Georgette" is a style dictator, specializing in presenting original fashions for all the different types of figures and at the Chicago office, over 400 letters a day asking "what to wear" are answered personally by Miss George.

SHORT WAVES

By Marcella

Miss Blarney and another, indeed, several others, want full details about Gayle V. Grubb, or "Gloomy Gus," of Nebraska Buick's KFAB at Lincoln, Nebr. Only knowing that the fraternity pin he happens to be wearing is Sigma Phi Epsilon, I dropped him a note. He answered so well, I shall not retouch his letter:

"Now to begin with your old man here, "Gloomy Gus," likes the girls, especially the little girls, and I have quite a correspondence with little kids all over the country. I might tell you that my eyes are blue except when my wife hits me, and then they are black. What hair I have left is sort of a mahogany brown. After a heavy meal I weigh about 150 pounds and I stick up in the air about 5 feet, 11 inches.

"As you can gain by the foregoing, I am married, have one child—a girl—going to enter her at Atlantic City in about 15 years. I am not a bit ashamed to tell you my age is a good ripe 30.

"As to what I like and dislike, I am a hand for poetry. I spend most of my spare time writing little foolish songs which are one feature of this station. With Wendell Hall, you know, I wrote 'I Don't think So,' and my little song on 'Etiquette' will be published next week.

"Regarding my dislikes, I hate persimmons and alum. That's all but in the event you would like to know something about my clothes, I might say that next week the suit I have on is mine, having squared up with the tailor. Also have my own teeth and wear size 10 shoes."

* *

I regret to have sad news for "Pearl" and "F.T.M." who inquired about Frank Morris, formerly one of the "Boss' Own" entertainers at WTAS, Elgin, now WLIB. Frank died about a year ago from a chronic illness.

* *

Saw Phillips Carlin of WEAF and he admits that he is happily married. "Phil" is about 5 feet, 7 inches tall and of generous proportions which total 192 pounds ringside. His hair is black; eyes, brown. He likes fishing and golf. Invite him out some time. His dislikes are many. F'rinstance, a number of people call him "cute," that always goes against his grain. Another thing he abhors is going into a place and having someone say: "Oh, is he the announcer?" He has even been accused of being the Silver Masked Tenor—a distinction that he cannot claim. No children. He is exceptionally good looking.

* *

The "Silver Masked Tenor" is of average height, about 5 feet, 6 inches tall and weighs in the neighborhood of 180 pounds. His hair is black and his eyes are—well, look at them behind the mask, they're, oh, girls, they're a baby blue! And the mask certainly does show them off to good advantage. Someone accused him of being with the Royal Typewriter orchestra. He isn't! He is very much married and has the cutest little boy eight months old. He dislikes people talking about the Silver Masked Tenor in his presence. He is quite a song writer, and recently finished a song that he dedicated to his wife. It's called "Maureen Mavoreen," and it has a nice air to it—one that you would like him to sing.

(Continued on page 17)

New Women's Program Is Feature of WHAD

Milwaukee Station Adds Home Service to Aid Housewives

MILWAUKEE.—In line with the increasing popularity of Radio among women, WHAD has recently added a new service. Planning a dinner, serving a new salad for supper, or arranging a party menu is an easy matter when all the housewife need do is tune in and take notes on the suggestions that Mrs. Ella Liner Lambert broadcasts on Thursday mornings.

Her talks include such subjects as "Better Breakfasts," "A Valentine Luncheon," "Meatless Menus," "Cakes Without Shortening," "Dinners from Left Overs," "Ways of Cooking Inexpensive Cuts of Meat," "Sunday Night Suppers," and other information useful to housewives in the preparation of daily and party menus.

The recipes are given slowly enough so that all of the listeners may jot them down. Mrs. Lambert also answers questions which Radio listeners ask by mail.

WOMEN'S PROGRAMS INDEX

Saturday, March 27

Eastern	Central	Mountain	Pacific
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.

WWJ (352.7m-850kc) Tonight's dinner.

11	10	9	8

WEAR (389.4m-770kc) Home service talk.
WHT (399.8m-750kc) Women's club, Jean Sargent.

12 n.	11	10	9

WGN (302.8m-990kc) Household hints.
WQJ (447.5m-670kc) Home Economics program; "Stories about Famous Pictures," Margery Currey.

12:30 p. m.	11:30	10:30	9:30

WGN (302.8m-990kc) Discussion of fashions.

12:35	11:35	10:35	9:35

KYW (535.4m-560kc) Table talk.

1	12 n.	11	10

KGW (491.5m-610kc) Household helps, shopping guide.
KMA (252m-1190kc) Domestic science topics.

4	3 p. m.	2 p. m.	1 p. m.

KJR (384.4m-780kc) Tonight's dinner.

6:30	5:30	4:30	3:30

CNRV (291.1m-1080kc) Women's talks.

Monday, March 29

Eastern	Central	Mountain	Pacific
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.

WWJ (352.7m-850kc) Tonight's dinner.

10	9	8	7

WJZ (454.3m-660kc) Women's hour.
WRC (468.5m-640kc) Women's hour.
WTAG (268m-1120kc) Talk, Marjorie Woodman, nurse.

10:50	9:50	8:50	7:50

WMC (499.7m-600kc) Home economics discussion, Miss Kitty.

11	10	9	8

WEAR (389.4m-770kc) Home service talk.
WHT (399.8m-750kc) Women's club, Jean Sargent.
WNYC (526m-570kc) Women's program.
WTIC (475.9m-630kc) "Professional Candy-Making," Dorit Weigert.

11:15	10:15	9:15	8:15

WTIC (475.9m-630kc) "Canning—Why—What and How," Olea M. Sands.

11:30	10:45	9:30	8:30

KFAB (370.7m-880kc) "Difference in Dresses."
WTIC (475.9m-630kc) Housewife's forum.

11:45	10:45	9:45	8:45

WDAF (365.6m-880kc, WHT (399.8m-750kc, WJAR (305.9m-980kc) Home service talk, Betty Crocker.

12	11	10	9

WGN (302.8m-990kc) Household hints.
WQJ (447.5m-670kc) Home Economics program. "Dried and Canned Tropical Fruits," Maud Jacobs. "Specialty Baking Talk," Cleve Carney.

12:15 p. m.	11:15	10:15	9:15

KYW (535.4m-560kc) Meat talk.

12:30	11:30	10:30	9:30

WEBH (370.2m-810kc) Fashion and household talks.

12:35	11:35	10:35	9:35

KYW (535.4m-560kc) Table talk.

2:30	1:30 p. m.	12:30 p. m.	11:30

KFNF (263m-1140kc) Mothers' hour.
WGY (379.5m-790kc) Cooking lesson, Jessie Lane. "The Trend of Spring Hats," Charlotte Weiss.

3	2	1	12 n.

WCCO (416.4m-720kc) Women's hour.
WSOE (246m-1220kc) Cooking chats.

4	3	2	1 p. m.

WIP (508.2m-590kc) Market hints for housewives.
WOC (483.6m-620kc) Home management schedule, Aunt Jane.
WQJ (447.5m-670kc) "Cookie Variations," Helen Downing. "Ornamental Bushes," Adam Schilling.

5	4	3	2

KJR (384.4m-780kc) Home helps.

8:45 p. m.	7:45 p. m.	6:45 p. m.	5:45 p. m.

KSAC (299.8m-1000kc) Girls Room Improvement," Harriet King. "Homemaking as a Profession," Helen Goodspeed.

12:15	11:15	10:15	9:15

KGO (361.2m-830kc) "Character Training in the Home," J. Breitweiser.

Tuesday, March 30

Eastern	Central	Mountain	Pacific
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.

WWJ (352.7m-850kc) Tonight's dinner.

10	9	8	7

KDKA (309.1m-970kc) Domestic Science. Arts for the Housewife.
WIP (508.2m-590kc) Menu, Anna Scott.
WJZ (454.3m-660kc) Women's hour.
WRC (468.5m-640kc) Women's hour.

10:45	9:45	8:45	7:45

WTAG (268m-1120kc) Talks to Mothers, Rosebelle Jacobus.

11	10	9	8

WEAR (389.4m-770kc) Home service talk.
WHT (399.8m-750kc) Women's club, Jean Sargent.
WMCA (340.7m-880kc) Home makers' hour.

11:30	10:30	9:30	8:30

WOI (270m-1110kc) "Foods to Make Strong Teeth," Mabel Nelson. "Why Examine Children's Teeth," Lulu Lancaster.

12 n.	11	10	9

WGN (302.8m-990kc) Household hints.
WQJ (447.5m-670kc) "Personal Taste," Lillian Russell. "The Effect of Diseased Baby Teeth on the Health of the Child," Emil Alson. Pep exercises.

12:30	11:30	10:30	9:30

WEBH (370.2m-810kc) Fashion and household talks.

1	12 n.	11	10

KPO (428.3m-700kc) Domestic science talk.

2	1 p. m.	12 n.	11

WGY (379.5m-790kc) "Making a Garden," Mrs. Robert Palmer.

3:15	2:15	1:15 p. m.	12:15 p. m.

WHO (526m-570kc) Recipes, household hints.

4	3	2	1

WIP (508.2m-590kc) Menu talk.
WOC (483.6m-620kc) Home management schedule.
WQJ (477.5m-670kc) "Caramel Rolls," Helen Downing. "The Influence of Games on Children," Mrs. H. Carrier.

4:30	3:30	2:30	1:30

WLIT (394.5m-760kc) Household helps and hints.

5	4	3	2

KJR (384.4m-780kc) Home helps.

5:30	4:30	3:30	2:30

KOA (322.4m-930kc) Housewives matinee.

6	5	4	3

KOA (322.4m-930kc) Culinary hints, Clara Hoover.

6:15	5:15	4:15	3:15

KOA (322.4m-930kc) Fashion review, Sally Dee.

7	6	5	4

KFOA (454.3m-660kc) Today's recipe.

8	7	6	5

WPG (299.8m-1000kc) Fashion Flashes.

8:30	7:30	6:30	5:30

KGO (361.2m-830kc) As a Woman Thinketh.

Wednesday, March 31

Eastern	Central	Mountain	Pacific
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.

WWJ (352.7m-850kc) Tonight's dinner.

10	9	8	7

WIP (508.2m-590kc) Menu.
WJZ (454.3m-660kc) Women's hour.
WRC (468.5m-640kc) Women's hour.

10:45	9:45	8:45	7:45

WEAF (491.5m-610kc) Home service talk, Betty Crocker.
WFI (394.5m-760kc) Gold Medal Service talk, Betty Crocker.
WTAG (268m-1120kc) Talk to Housewives, Mrs. Lydia Flanders.

11 a. m.	10 a. m.	9 a. m.	8 a. m.

WHT (399.8m-750kc) Women's club, Jean Sargent.
WNYC (526m-570kc) Women's program.

11:30	10:30	9:30	8:30

KFAB (340.7m-880kc) "Frozen Deserts."

11:45	10:45	9:45	8:45

WDAF (365.6m-820kc) WHT (399.8m-750kc), WJAR (305.9m-980kc) Home service talk, Betty Crocker.

12 n.	11	10	9

WGN (302.8m-990kc) Household hints.
WQJ (447.5m-670kc) Home Economics program.

12:30 p. m.	11:30	10:30	9:30

WEBH (370.2m-810kc) Fashion and household talks.
WGN (302.8m-990kc) Discussion of fashions.

12:35	11:35	10:35	9:35

KYW (535.4m-560kc) Table talk.

1	12 n.	11	10

KPO (428.3m-700kc) Sewing talk.

3	2 p. m.	1 p. m.	12 n.

WCCO (416.4m-720kc) Woman's hour. "The Family and its Friends," Archie Swanson.

4	3	2	1 p. m.

WLW (422.3m-710kc) Cooking school.
WOC (483.6m-620kc) Home management schedule, Aunt Jane.
WQJ (447.5m-670kc) "Spring Vegetable Dishes," Helen Downing. "Uses for Crumbs," Jean Rich.

5	4	3	2

WMAQ (447.5m-670kc) Recipes.

6	5	4	3

KGO (361.2m-830kc) "Hints for Housekeeper."

7	6	5	4

KFOA (454.3m-660kc) Today's recipes.
KLX (508.2m-590kc) Woman's hour.
KMA (252m-1190kc) Domestic science talk.
KSAC (340.7m-880kc) "The House and Its Setting," A Helder.

10:30	9:30	8:30	7:30

KOAC (280.2m-1070kc) "Short Cuts in Sewing," Lila O'Neale.

10:45	9:45	8:45	7:45

KOAC (280.2m-1070kc) "The Magic House—the Manager's Job," Jessamine Williams.

Thursday, April 1

Eastern	Central	Mountain	Pacific
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.

WWJ (352.7m-850kc) Tonight's dinner.

10	9	8	7

WIP (508.2m-590kc) Menu talk.
WJZ (454.3m-660kc) Women's hour.
WRC (468.5m-640kc) Women's hour.

10:45	9:45	8:45	7:45

WTAG (268m-1120kc) Talk, Marjorie Woodman, nurse.

10:50	9:50	8:50	7:50

WMC (499.7m-600kc) Home economics discussion, Miss Kitty.

11	10	9	8

WEAF (491.5m-610kc) Talks, cookery lecture.
WEAR (389.4m-770kc) Home service talk.
WHT (399.8m-750kc) Women's club, Jean Sargent.

11:30	10:30	9:30	8:30

WOI (270m-1110kc) "An Easter Luncheon," Linda Brown. "The New Textile—Rayon," Olive Settles.

12 n.	11	10	9

WGN (302.8m-990kc) Household hints.
WQJ (447.5m-670kc) Erna Bertrams.

12:30 p. m.	11:30	10:30	9:30

WEBH (370.2m-810kc) Household and fashion talks.

12:35	11:35	10:35	9:35

KYW (535.4m-560kc) Table talks.

3 p. m.	2 p. m.	1 p. m.	12 n.

WGY (379.5m-790kc) "Your Feet and Your Disposition," Hazel Spencer.

4 p. m.	3 p. m.	2 p. m.	1 p. m.

WOC (483.6m-620kc) Home management schedule, Aunt Jane.
WQJ (447.5m-670kc) "Arbor Day," Mrs. Harriet Michael.

5	4	3	2

KFOA (454.3m-660kc) Home helps.
KSD (545.1m-550kc) Women's hour.

5:30	4:30	3:30	2:30

KOA (322.4m-930kc) Housewives' matinee.
WCCO (416.4m-720kc) Women's club program.

6:15	5:15	4:15	3:15

KOA (322.4m-930kc) Culinary hints, Clara Hoover. Fashion review, Sally Dee.

7	6	5	4

KFOA (454.3m-660kc) Today's recipe.

8:15	7:15	6:15	5:15

KSAC (340.7m-880kc) "The Eternal Fitness of Things," Maria Morris. "The Beginnings of Home Economics," Dean Justin.

9	8	7	6

KUOA (299.8m-1000kc) "Is Your Milk Bill What It Should Be?" Emma Johnson.

Friday, April 2

Eastern	Central	Mountain	Pacific
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.

WWJ (352.7m-850kc) Tonight's dinner.

10	9	8	7

KDKA (309.1m-970kc) Domestic science and Arts for the Housewife.
WJZ (454.3m-640kc) Women's hour.
WRC (468.5m-640kc) Women's hour.

10:45	9:45	8:45	7:45

WTAG (268m-1120kc) Food hints, Mildred Thomas.

11	10	9	8

WHT (399.8m-750kc) Women's hour, Jean Sargent.
WTIC (475.9m-630kc) Book talk. Fashion talk.

11:30	10:30	9:30	8:30

KFAB (340.7m-880kc) Home Economics talk.
WTIC (475.9m-630kc) Housewives' forum.
WDAF (365.6m-820kc), WEAR (389.4m-770kc), WJAR (305.9m-980kc), Betty Crocker's Home service talk.

12 n.	11	10	9

WGN (302.8m-990kc) Household hints.
WQJ (447.5m-670kc) Sunday Dinner Menu, Ted Wilmes.

12:15 p. m.	11:15	10:15	9:15

KYW (535.4m-560kc) Meat talk.

12:30	11:30	10:30	9:30

WEBH (370.2m-810kc) Household and fashion talks.
WGN (302.8m-990kc) Discussion of fashions.

12:35	11:35	10:35	9:35

KYW (535.4m-560kc) Table talk.

1:45	12:45 p. m.	11:45	10:45

WOAW (526m-570kc) Sunshine Sunday dinner menu.

3	2	1 p. m.	12 n.

WCCO (416.4m-720kc) Women's hour.

3:15	2:15	1:15	12:15 p. m.

WHO (526m-570kc) Recipes, household hints.

4	3	2	1

WOC (483.6m-620kc) Home Management, Aunt Jane.
WQJ (447.5m-670kc) Home economics program.

4:30	3:30	2:30	1:30

WFAA (475.9m-630kc) Homemakers program.
WMAQ (447.5m-670kc) Foibles of the Moment.

5	4	3	2

KJR (384.4m-780kc) Home helps.
KYW (535.4m-560kc) Woman's hour.

5:15	4:15	3:15	2:15

WMAQ (477.5m-670kc)

5:30	4:30	3:30	2:30

KOA (322.4m-930kc) Housewives matinee.

6	5	4	3

KOA (322.4m-930kc) Culinary hints.

6:15	5:15	4:15	3:15

KOA (322.4m-930kc) Fashion review.

a STEP ON the STAIRS

By ROBERT J. CASEY

Radio Dramatization by FRED SMITH

Illustrations by HILMER C. OLSON

"I have a suggestion," snarled Henry Graves who was waiting at the hall door to help Hari Singh remove the unconscious man to an upper room.

Synopsis of Preceding Chapters

IN THE first place, who killed Jeremiah Turner? Here is a chronicle of the weird and mysterious event that led up to the present installment of "A Step On the Stairs."

Jeremiah Turner was found dead, a bullet hole through his head, in the old Turner manse. His body was carried through the front door, sealed except in time of death. His brother, Peleg, sought solution of crime. Peleg's body soon afterward followed through the door of death, a tradition maintained in the old manse for one hundred years. Relatives were summoned by Peleg's will to midnight seance in room where Jeremiah was killed. Mysterious stranger arrives from bay and disappears on way to house where he told caretaker he had been summoned. John Carton, a favorite nephew known to have been in the vicinity the night of the murder, is missing. He had been seen by Mary Williams, his sweetheart and distant cousin, talking to Hazel Stanton, another relative, outside the house at the time of the murder. Guests, admitted by Hari Singh, East Indian servant, sit in darkened hunt-room waiting for Peleg's voice from the grave, through loud speaker. At the critical moment Station FYX interferes. A scream and pistol shot are heard from the station. One of the engineers is found to have been shot according to report of Tolliver, one of the cousins who had been sent to investigate.

Ardwyn is about to read a letter Tolliver brought from the shooting affray and which he said had been dropped by the gun man. Mary Williams sighs, faints, knocks candle from table, plunging room in darkness. Ardwyn exclaims and says some woman bit him on the wrist. When lights are restored, Mary is still in faint, but letter is gone. Milford Jones, "the bearded pirate" is also found missing and Aunt Helen and Cousin William insist the front door—the door of death—has been opened. All had heard the mysterious steps on the stairs, coming and going and an SOS distress signal. Ardwyn advises all to leave room for refreshments. Mary remains. Henry Graves returns to talk to her, urges his suit for her hand. She repulses him. He insinuates she has a guilty knowledge and was not in her seat when room was in darkness and letter disappeared. He leaves and Ardwyn enters. He shows her locket tangled on his chain when woman bit him. She admits ownership, but says some other person must have used it to divert suspicion.

Mary convinces Ardwyn of her sincerity when she points to shoes left by a strange intruder and suggests that he will return for them. Ardwyn remains with her. The light flickers out. The door opens. Mary screams that she felt a corpse. Ardwyn crashes to the floor, a gash in his head. Hari Singh identifies scarf seized from "corpse" by Miss Williams as one he had put on Peleg Turner at time of his burial.

Hazel Stanton helps bring Mary back to consciousness and Ardwyn recovers from his daze. Suggesting that Mary needs air and quiet, he advises the others to return to the other room. Then he leaves to find her a stimulant. Mary hears a step on the stairs. A man enters the room. It is John Carton, her fiancee. She is amazed, as he is supposed to be in hiding. He tells her he is there to prevent another murder planned for the occasion. He denies that he knows Hazel Stanton. Voices are heard. He thinks he is trapped. Hari Singh enters and secretly lets him out of side door. Before he can return, others are in the room and ask about the voices heard talking with Mary Williams. Hari Singh himself answers, calling for help. He is dragging a body into the house from without. Whose was the body? Read about it in the following installment. Radio Digest will supply reprints of the past four installments for twenty-five cents on application to the Mystery Story Editor.

THE STORY CONTINUES

CHAPTER NINE

The War Council

"WHO is it?" wailed Aunt Helen Holmes. "Won't somebody please look . . . won't somebody?"

There were other whimpered queries from the crowd whose terror was fast becoming voiceless. And then, suddenly, boomed the jarring announcement of Henry Graves.

"Why, it's the bearded pirate," he shouted almost joyously. "Our friend, Milford Jones, who left us so suddenly."

"Yes, that's his name, Milford Jones, I remember now," contributed Hari Singh.

"The man who went out through the front door," continued Hari Singh. "And his skull seems to be crushed."

No one was paying any attention to Mary Williams. Henry Grave's cry had stopped her in the midst of an eerie laugh. Now she stood staring through the crowd at the still figure on the floor of the hall.

"Milford Jones," she repeated as if attempting to convince herself. . . . "Oh, thank God. Thank God!"

They carried the body of Milford Jones into the hallway and laid him out on a rug where the light from the library fell across his face.

"He is not dead," diagnosed Hari Singh. "But he is very far gone. Would the Sahib Ardwyn suggest that I telephone for a doctor?"

"Yes," agreed Ardwyn. "Unfortunately it will take a long time for a doctor to get here. What makes you think his skull is crushed?"

"Look here," Hari Singh suggested. "There is a deep ragged gash in his forehead—no bullet or knife ever caused that."

"Telephone for the state police while you're about it, then. . . . And get Jones upstairs to bed and under covers. He must be frozen in addition to everything else.

"And now, all of you ladies and gentlemen, be seated once more and we shall see if we can get to the bottom of this."

"I don't want to go into that room again," wailed Aunt Helen from the hallway. "There's death in it and you can't see it."

"I am free to accept suggestions for a better council chamber, Mrs. Holmes," Ardwyn told her. "We can't get out of the house until daylight anyway and so long as we're in here one spot is quite as safe as another."

The woman sighed throatily.

"Oh very well," she said. "It's not that I'm afraid of anything. My conscience is clear."

"PLEASE be seated, everybody," advised Ardwyn. "The state of our consciences will not excuse us from the work we have at hand." The guests moved reluctantly to their chairs and huddled back in silence.

"Now then," began Ardwyn from his old place at the head of the table. "We shall make some arrangements for our own protection. . . ." He paused as the voice of Hari Singh, telephoning to the police filtered across the hall.

"No . . . Not dead . . . Dying . . . Beaten on the head . . . Yes, come at once and bring a doctor . . . Bring . . . Hello . . . Hello." And then in a louder more irritable tone . . . "They have cut us off. I think the wire has been blown down."

"We shall be largely on our own resources here until morning," Ardwyn went on, "And it might be well for us to do what should have been done earlier in the evening—learn more about one another . . . Does anybody in this room or in sound of my voice know what happened to Milford Jones?"

"I have a suggestion," snarled Henry Graves who was waiting at the hall door to help Hari Singh remove the unconscious man to an upper room.

"Yes, Mr. Graves," prompted Ardwyn.

"I think you might make a good beginning and save some time if you were to ask Miss Williams just where she fits in this picture. I heard her talking to someone in this room a moment ago when the rest of us were in the library. I don't think she was talking to herself."

"I heard her, too," declared Aunt Helen. "I heard her voice and I was sure I heard a man's voice . . . They were very low but I have good ears."

The company, seemingly glad of a target, any target, turned its combined attention on the girl. She paled perceptibly.

"I-I-don't remember," she said. "I stayed here because my nerves were too upset for me to move . . . But I don't remember any conversation . . . Maybe you heard me talking with Mr. Ardwyn."

"Mr. Ardwyn was in the kitchen looking for something," pursued Aunt Helen. "There was no trouble at all making out his voice."

The situation was tense for Mary Williams and she showed plainly that she felt it.

"I—really I—" she stopped helplessly and then a new factor entered the scene. A tall figure brushed by Henry Graves and took attention away from the girl with a single word.

"Just who are you, anyway?" demanded Miss Williams with sudden directness. "I can't remember ever having seen you inside this house before."

"NO," HE said. "Miss Williams was not talking with the Sahib Ardwyn."

No one noticed the appeal in the girl's eyes as she turned toward him or the trembling of her hands as she clutched the end of the table.

"God help us," she prayed. But that too went unnoticed for her voice was only a thin echo.

"The Sitt was not talking with the Sahib Ardwyn," repeated Hari Singh with much emphasis. "She was talking to me, Hari Singh. She told me she felt a draft and thought that the side door might have blown open. I went there and tried the door. It was closed but unlocked. I opened it and looked out and so found Mr. Jones."

"There's something very unusual about that," declared Aunt Helen. "I heard that voice and it certainly didn't sound like yours."

"I am sorry, Madame," apologized the Indian. "I tried so hard to make it sound like my own and if it sounded like anything else I shall be desolated."

"One moment, Hari Singh," came an unexpected interruption. The eyes of the crowd shifted back once more toward Mary Williams who once more had risen in her place. She was still pale, still nervous, but her voice had a sharp, vibrant quality in it that showed she was no longer afraid.

"Yes, Miss Williams," replied Hari Singh respectfully. "You wish to speak to me?"

"Not to you, Hari Singh," the girl said evenly. "I wish to speak to Aunt Helen Holmes. I should like to know by what right and for what purpose she has been casting innuendoes at me ever since we sat down to dinner. Mr. Ardwyn has suggested that the time has come for explanations. I can see no better place to begin them than right here and no better person to start them than Mrs. Holmes."

"I never heard such impertinence," declared Aunt Helen. "Do I understand you to be accusing me of—well what is it you're accusin' me of?"

"Nothing," stated Mary Williams evenly. "I'm not speaking to you any more than to the rest. All of you have fixed on me to be the butt of your charges. I want to know why."

"It's only that you're so aloof, my dear," broke in Hazel Stanton with poisonous sweetness. "It is only natural that a crowd with nerves jaded as ours have been should look with suspicion on the outsider. . . . You know you Did knock over the candle, and you Did stay here when we went into the library, and you Were talking with someone in here—even if it was Hari Singh as he so gallantly confesses."

"JUST who are you, anyway?" demanded Miss Williams with sudden directness. "If we are going to get to the bottom of this affair we might find out first something of our reasons for being here and I can't remember ever having seen you inside this house before." Hazel Stanton moved perceptibly as the girl emphasized the word "inside."

"I am Hazel Stanton," she said. "I live in Portsmouth. I am the daughter

of a second cousin of Peleg Turner. And I do not concede your right to cross examine me."

"What are you doing in this house?" pursued Miss Williams relentlessly.

"I came here for the same purpose you did," declared Miss Stanton, flushing and paling by turns. "I was invited here."

"Were you invited here the night Jeremiah Turner was murdered?"

"Mr. Ardwyn," appealed the harrassed Hazel, "I demand your protection. This woman has no right to question me, she has no right to cloud the issue by directing suspicion toward others merely because it has been directed toward her. Everyone here tonight—Miss Williams excepted—has remained with the company."

"No, Miss Stanton," came the calm voice of Hari Singh. "The Sitt forgets one other who left the company. We need not count Sahib Jones for he is beyond explanation. The Sitt, if I may remind her, was also away from the others for a brief time. . . . When she left the house to take the air in the blizzard. She will recall no doubt that it was she who opened the side door and that it was she who brushed back almost unnoticed into the house when I was picking up the body of Sahib Jones."

CHAPTER TEN

Hark! From the Tomb

MISS STANTON parted her red lips to speak but was silent. Her pallid skin was deathlike in the glow of the candle and her eyes, wide open now and frightened, burned angrily in shadowy recesses.

"What if I did go outside?" she demanded. "Is it likely that I could ever be a match physically for a man of the stature and strength of Milford Jones?"

"That is beside the point," broke in Ardwyn. "Let us be fair in this thing. We were accusing Miss Williams of something—we do not seem to be agreed on the matter of the indictment—and we were basing our accusations on the fact that she did not display social instincts. What is sauce for the goose. . . ." He paused.

"That is different," the Stanton girl countered warmly. "Everyone knows that I was in the library until just a moment before we came in here. What if I did wander out onto the front porch? I was not gone long enough to bite anyone's wrist or fracture anyone's skull. Perhaps I went out there merely in an attempt to find out why Hari Singh's voice had seemed so different when he was talking with Miss Williams . . . You, as a lawyer, should know, Mr. Ardwyn, that there is no shred of evidence by which I can possibly be suspected of anything except monumental foolishness in coming here at all."

"We shall come to no purpose in arguing about it, Miss Stanton," the lawyer said. "I think it is plain that none of us could have had a hand in the assault on Mr. Jones.

"The police will be here some time before morning and they may have the task of finding out just who is guilty of what. In the meantime we are losing sight of the mission that brought us here."

"We couldn't well help it, you know," broke in Cousin William. "We were a bit distracted. Yes! Yes!"

"I shall admit that, Mr. Caryl. I shall admit that the causes for distraction are not yet removed. But I cannot forget that as Mr. Turner's representative on this earth I called you here tonight for something more serious than bickering about voices in the dark. Compose yourselves, ladies and gentlemen, and at least until the police come, let us try to remember that we are Mr. Turner's guests, just as if he were alive."

"I don't enjoy bein' a dead man's guest," declared Aunt Helen Holmes. "My poor husband, dead and gone these twenty years, would never have permitted me to stay here this long compromisin' my reputation with men that disappear out of locked rooms and get their skulls crushed."

"IT IS not too much to hope that the trouble has ceased for the night," Ardwyn answered her impertubably. "At any rate, we cannot sit around doing nothing and there is still a chance that Peleg Turner may be able to bring to us the help that he hoped to bring when he was dying. But I shall leave it entirely to your own judgment, ladies and gentlemen. Shall we go on with this experiment?"

"Suits me," voted Tolliver affably. "I'm immune. My hair is standing up so straight now that nothing can make it any straighter and I've heard so many shrieks in the night that a few more wouldn't make me bat an eye. . . . Me, I'm all for goin' on with the show."

"I agree with Mr. Tolliver," put in Henry Graves. "I don't think anything will come of it. But I believe that we can force some of our friends here out into the open if we go ahead. Somebody was going a long way to stop this affair and I'd like to know how."

"I think you are stating the case a little baldly," commented Ardwyn. "But at any rate you see the necessity, or perhaps I should say the advisability, of continuing. . . . And the rest of you ladies and gentlemen?"

A grumbled assent that seemed virtually unanimous greeted his query.

"Very well, then," he decided. "We shall renew our attempt to communicate with Mr. Turner. Let us begin by fixing in our minds the cause of his strange request that we come here:

"Jeremiah Turner was murdered in this very room. John Carton, favorite nephew of the Turners, disappeared at the time.

"Peleg Turner came home here to take charge of his property and died almost immediately under circumstances that all of us who were close to him have believed to be peculiar, if not mysterious.

"We gathered here in this room at his invitation as expressed in the letter that he wrote to me just before his death to listen as he attempted to communicate with us over the Radio.

"Now I should like to call to your attention that nothing that has happened tonight has changed the original situation. Someone opened the barred front door that has never been used except to provide an exit for the coffins of the lords of the manor in death. Someone precipitated a riot in the broadcasting station to which our Radio receiver was tuned at midnight. Someone dropped a letter, presumably incriminating, on the floor of the Station FYX power house. Someone, presumably interested in that letter, bit my hand in the dark and stole the evidence. Milford Jones got out of this room through locked doors and barred windows and was found with his skull crushed. But these events, nerve racking in themselves, have contributed nothing to the solution of the mystery that brought the curse on this house. It is my suggestion that we put out the light, and sit here as we sat before, holding hands if necessary to prevent our nerves playing tricks on us, and listen for the promised word from Peleg Turner."

A WAIL that seemed to come from nowhere made itself heard over the minor noises of the storm.

"What was that?" queried Aunt Helen tremulously.

"I have seen from an upstairs window," came a call from Hari Singh. "There is a boat out on the bay—a steamship. She seems to be in trouble. . . . Her lights have gone out."

"Sit quiet, everybody," commanded Ardwyn. "There is nothing we can do. If the boat has put into the bay there is a coast guard station near her."

There was a murmur of dissension.

"The Sahib speaks true," stated Hari Singh. "Her lights have gone out. We could not see her if we wished."

"We have a duty to perform right here," repeated Ardwyn. "A duty to the man whose dying wish brought us here. And it is bitter cold out there in the storm. . . ."

"Suits me," acquiesced Tolliver.

"Put out the light, then," ordered Ardwyn. "Hari Singh will lock the hall door."

"Going out anyway," said Tolliver, clapping the fluttering wick between his palms. "There it's out—and, oh boy, how I miss it."

"Be quiet now," suggested Ardwyn. "I have switched on the Radio."

From the outer distance came another wail of the ship's siren. The ensuing silence was awesome by contrast—terrible in its completeness.

"Why can't we have a light?" wailed Aunt Helen. "It's all just as it was before. Something terrible is going to happen."

"Quiet," muttered Ardwyn. "There is a voice on the Radio. I can hear the generators at FYX."

"I hear something else," moaned a woman. "Listen. . . . We heard it before. . . . The step on the stairs. . . ."

It was plainly audible as the frightened men and women sat breathless in the dark—the creaking of stairs and the tapping sound—three short taps—three widely spaced taps—three short taps.

"What can that be?" came the awed voice of Mary Williams. "Who is it walks up and down those stairs?"

"THIS is Station FYX," boomed the Radio announcer in startling incongruity. "Miss Miriam Hartley will next sing Tosti's 'Good Bye'."

And in spite of themselves, the eleven listened though the creaking of the stairs came as a weird accompaniment to the singer and the wail of the siren broke frequently through the wild organ obbligato of the storm.

. . . "Good bye summer, good bye, good bye. . . ."

The singer broke off in the midst of a phrase and then came the strained tones of the announcer.

"Station FYX will stand by for a few minutes," he said. "There is a ship in trouble on Pelican Bay."

From the outer hall echoed the creaking stairs and the regularly spaced taps. . . . three dots, three dashes, three dots. . . . SOS . . . an incomprehensible message to be lost in a moment as the Radio set picked up the harmonic of a ship's wireless . . . "SOS"—a blatant, whining message that brought terror even to those who could not read it.

"SOS," translated the voice of Tolliver.

"SOS," telegraphed the unseen operator aboard the ship out there on the moaning bay.

And then the hellish symphony of the Radio faded out and a man's voice came slowly, clearly, distinctly through the noises of atmospheric disturbance.

"MY FRIENDS, I bring you a message," said the voice, and a shriek answered him.

"Peleg Turner," screamed a woman in a voice that terror had distorted beyond identification. "Peleg Turner!"

"Do not be alarmed," came the hollow tones from the loud speaker as if the scream of fright had been heard beyond the grave. . . . "I am happy here and I wish no harm to any of you except the one who killed by brother. . . ."

A man swore under his breath. The wind howled in the chimney with peculiar malevolence.

"I am speaking to that one," the voice continued. "I could not rest in my grave without attempting to right the wrong that one did. And I am warning that one, that before daylight, the price will be exacted!

"My friends, my loved ones, the murderer is in this house where you are listening to my voice. And I curse the murderer. . . ."

The voice died away; the whirring noises of the receiver increased in volume and the whining of the code broke in once more . . . SOS . . . SOS . . .

"My God," shrieked Hazel Stanton, "let me out of here! Let me out of here . . ."

Who felled Milford Jones? What disconnected the telephone as Hari Singh called for help? What does Hazel Stanton know? Peleg Turner speaks from his tomb—and accuses a person now in the Turner manse. Read the thrilling effect of this message in the next week's Radio Digest.

$500 in Gold

FOR THE SOLUTION OF

"a Step On the Stairs"

REPRINTS NOW AVAILABLE

SO MANY people are attempting to win part of the $500 in Gold prizes which are being offered for solutions to "A Step On the Stairs," a reprint of the first four installments has been printed and may be had for the nominal charge of twenty-five cents, in coin or stamps, to cover the cost of handling. Address your order to the Mystery Story Editor, care of Radio Digest.

The chosen stations, which will broadcast "A Step On the Stairs," in Radio play form, are given on page nine. The days and the hours are listed.

THE PRIZES

The prizes are seventeen in number. First prize is $250; second prize is $100; third to seventeenth prizes inclusive, are $10 each. In the event of a tie for any prize offered, a prize identical in all respects with that tied for will be awarded to each tying contestant.

HOW TO WIN A PRIZE

Nine installments of Mr. Casey's story will be published consecutively each week. The first appeared in the February 27 issue. His tenth and final installment will not appear until the prize winning solutions have been selected by the judges. The solution nearest correct, that is, nearest to unraveling the mystery accurately, will win. The method of preparing the solution—its neatness, legibility, etc.—shall be considered.

RULES OF CONTEST

1. Solutions must be received not later than midnight of Saturday, May 1. The ninth installment of the story will appear in the April 24 issue. The author's intended and final chapter will appear in the May 15 issue, together with the announcement of the winners' names.

2. The contest is open to everyone except employes of Radio Digest and their families.

3. Contestants pay no fee and need not be subscribers to Radio Digest. Solutions, however, must be written upon one side of paper.

4. The decision of the judges, to be named later, will be final.

BOY SCOUTS AND RADIO

(Continued from page 4)

7. Draw from memory, using correct symbols, a hook-up diagram of a complete receiving apparatus, using a vacuum tube detector, including antenna, two-circuit tuner, detector, fixed and variable condensers, resistances, batteries, phones and ground. Describe each part of the apparatus and explain its functions.

8. Describe a vacuum tube and explain its three principal uses, namely as detector, amplifier and oscillator.

9. Explain the differences between continuous wave, modulated or interrupted continuous wave and spark signals. Explain how each kind of a signal is produced and how each kind is received.

10. Construct with your own hand a practical working receiving set and demonstrate its operation for receiving signals from a station 25 miles or more away.

11. Explain how to install an antenna, how to connect it to the sending and receiving set, how to ground it properly and how to protect it against lightning. State the Underwriters' laws for safeguarding Radio apparatus.

Mr. Martin explains how the boys use Radio to carry on their good work:

"'Do a Good Turn Daily.' Such is one of the mottoes of the Boy Scouts. Radio is helping them to make the motto alive and real for themselves and for the people they aid and befriend.

"Good turns are done daily by the Scouts using Radio receiving apparatus. Concerts and lectures are given in hospitals and similar institutions; invalids, the bed-ridden and the shut-in are cheered up, and in some cases funds are raised and receiving instruments purchased or constructed by troops to be given to those who may need them.

"This is taking place everywhere. The Boy Scouts comprise the picked youth of the country—it is no wonder that in every state they have been quick to realize the advantages of Radio broadcasting not only for themselves but for others, and have acted on their understanding.

"So popular has Radio become with the Scouts that on the staff of Boys' Life, the official Boy Scout magazine, is a Radio expert, whose duty is to answer the numerous inquiries submitted by Radio fans. A department on Radio has been included in the magazine."

* * * *

Well, here we are on Swallow Cliff. Let's run the aerial across to that big oak on the other side of the ravine. While Mickey is getting the apparatus together the rest of us will gather some dry wood and start a fire for supper. A match! On this side Allen, can't you see where the wind is? Zowie! There's a flame for you—almost took an eyebrow, didn't it! Bring on that grid and the hot dogs!

Hello, what you want, Mickey? Better hurry up the dogs are sizzlin.' What's that? You got Bob already? Say, you're a whiz. Think you ought to have one of those Boy Scout Radio Merit badges. Tell Bob to take a good sniff. This bacon certainly smells good. Bring the key over closer to the fire, Mickey. Atta boy! Where's Morrell? Funny, you never can find that boy when you want him. Music! Hooray! Now we are all set. These are the happy days, what say, boys! Yee-ow-wow-wow!

OPEN GOLD CUP AWARD

(Continued from page 3)

loving cups. One will be given to the second most popular announcer at the end of the 1926 Gold Cup Award, and the other will be presented to the Canadian announcer finishing at the top of the list of Canadian candidates.

Last year D. R. P. Coats, of CKY, Manitoba Telephone System station at Winnipeg, was highest among the Canadian announcers and was presented with a silver loving cup by Radio Digest after the 1925 Gold Cup Award had ended. It was decided to make this an annual feature.

How to Nominate and Vote

On this page the rules regulating the Gold Cup Award are listed. Any one may make nominations, using the nomination blank appearing at the top of page two. Any one may vote, using the ballot blanks as they are published weekly in Radio Digest during the period of the contest which will not close until August 28 issue.

In voting, however, it is emphasized that the ballots, Number 1 of which appears on page two, will count for many more votes if saved in consecutive series, and cast all at one time. The bonus vote schedule is explained in the rules.

Kenneth G. Moffatt Dies

VICTORIA, B. C.—Mr. Kenneth George Moffatt, "Victoria's Radio Genius" succumbed here recently after a lingering illness, his death marking the passing of one of the greatest pioneers and authorities on Radio that the Dominion has produced.

Mr. Moffatt was the first to broadcast by remote control in British Columbia. He was also one of the first to open a broadcasting station in British Columbia. For a number of years he operated Station CHCE.

ADVANCE PROGRAMS FOR THE WEEK

Saturday, March 27

Headliners Today

Eastern	Central	Mountain	Pacific
7:30 p. m.	6:30 p. m.	5:30 p. m.	4:30 p. m.

WEAF (491.5m-610kc) Chaminade trio.

8 7 6 5

WEEI (348.6m-860kc) Boston symphony.

8:25 7:25 6:25 5:25

WJZ (454.3m-660kc), WGY (379.5m-790kc), WRC (468.5m-640kc) Philharmonic orchestra.

8:30 7:30 6:30 5:30

WIP (508.2m-590kc) Junior Boxing meet.

9 8 7 6

WSM (282.8m-1060kc) Barn dance program.

10:30 9:30 8:30 7:30

WBAP (475.9m-640kc) Hired Hand's Little symphony.

11 10 9 8

KPO (428.3m-700kc) band concert.

KPRC (296.9m-1010kc) Silverstring players.

12:45 a. m. 11:45 10:45 9:45

KGO (361.2m-830kc) "A Step on the Stairs," mystery serial.

2 a. m. 1 a. m. 12 11

KFI (467m-640kc) Frolic.

Saturday, silent night for: CFAC, CFCA, CNRA, CNRC, CNRE, CNRM, CNRR, CNRT, CNRV, CNRW, KFDM, KFKX, KFMX, KFRU, KFUO, KFXF, KLX, KMA, KOAC, KOB, KQP, KSAC, KSO, KTAB, KUOA, KWSC, WABQ, WBAL, WCAL, WCX, WDOD, WEAO, WEBJ, WEBW, WEMC, WGBF, WGCP, WGHP, WGR, WGST, WHAD, WHAZ, WHN, WHO, WIP, WJAR, WJAZ, WKAQ, WKAR, WLIT, WLWL, WMAZ, WOAI, WOS, WRVA, WTAG, WTIC, WWJ.

Eastern Time Stations

CHIC, Toronto, Can. (356.9m-840kc), 10:30 p. m., Al Linton's dance orchestra.

CKNC, Toronto, Can. (356.9m-840kc), 4 p. m., CKNC instrumental quintet; Mrs. Harry Hodgetts, soprano; 8, Charles E. Bodley and his dance orchestra.

CNRO, Ottawa, Can. (435.8m-688kc), 8 p. m., Chateau Laurier concert orchestra; 9, Trip to the Gold and Silver Mines of Ontario and Quebec; 10:45, Chateau Laurier dance orchestra.

KDKA, Pittsburgh, Pa. (309.1m-970kc), 6:30 p. m., Westinghouse band; 8:30, Westinghouse band.

PWX, Havana, Cuba (400m-750kc), 8-9 p. m., Ward organ recital; 9-10, Hotel Sevilla-Biltmore orchestra; 10:10-11, Hotel Sevilla-Biltmore orchestra; 11:10-12, Victor Rodriguez orchestra.

WAHG, Richmond Hill, N. Y. (315.6m-954kc), 12 midnight, Club Castle dance orchestra.

WBZ, Springfield, Mass. (333.1m-900kc), 6:45 p. m., Hotel Kimball orchestra; 7, Capitol theater orchestra; 7:30, music; 7:45, Repertory theater orchestra; 8:15, Unity mixed quartet; 9:15, Edward J. McHugh, baritone; C. F. McCarthy, accompanist.

WCAE, Piftsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert; 8:15, Youngstown artists.

WEAF, New York, N. Y. (491.5m-610kc), 6-7 p. m., dinner music, Hotel Waldorf-Astoria; 7-8, Madrigal quartet; Chaminade trio; Evelyn Grieg, dulcitone artist; 8:15, Shakesperean hour, "The Tempest"; 9:30, WEAF musical comedy troupe; 10, Ross Gorman and orchestra; 11-12, Vincent Lopez and orchestra.

WEEI, Boston, Mass. (348.6m-860kc), 7:10 p. m., D. and L. Slade company, musicale; 8, Boston Symphony orchestra.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra; 8, "The Seven Last Words," choir of Haws Avenue M. E. church; 11, Bellevue Stratford dance orchestra.

WGBS, New York, N. Y. (315.6m-950kc), 6:30 p. m., Vincent Storey trio; 7:30, Hebrew Orphan Asylum Harmonica band; 8, First Bandonian orchestra; 8:30, Clifford Cheasley, numerology; 8:40, Herald male quartet; 9, Zittler string trio; 9:40, Carroll Drake, pianist; 10:30, Arrowhead Inn orchestra.

WGCP, New York, N. Y. (252m-1190kc), 3 p. m., orchestra; 3:30, Andy Razof and Paul Denniker; 4:15, Joe Turkel, tenor; 4:30, orchestra; 5, Harvey Schloemann, songs; 5:15, orchestras; 8:30, Strickland's orchestra; 9, Ukulele Bob McDonald; 9:20, June Lee, singing vagabond; 9:35, Totman and Gallant, banjo duets; 10:10, Yama Yama Boys; 10:30, Strickland's orchestra.

WGHB, Clearwater, Florida (266m-1130kc), 6:30-7:30 p. m., Harold Crocker and his Gater orchestra; 7:30-7:45, Giles W. Quarles, "King of the Mandelalie"; 8:30-9:30, "The Realtroubadores"; 11:45-1 a. m., Harold Crocker and his Gater orchestra.

WGR, Buffalo, N. Y. (319m-940kc), 2:30 p. m., WGR's afternoon program.

WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., Onondaga hotel program; WFBL; 8:25, WJZ; 10:30, dance program.

WHAR, Atlantic City, N. J. (275m-1090kc), 2 p. m., Seaside hotel trio; 8, Seaside hotel trio.

WIP, Philadelphia, Pa. (508.2m-590kc), 8:15 p. m., song recital, Albert Mahler, tenor; 8:30, Junior National Boxing championships, U. S. A.; 10:05, El Patio dance orchestra; 11:05, organ recital, Germantown theater.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Stormfeltz-Lovely serenaders; 9, music, Jean Goldkette, director; 10, orchestra; 11:30, Jewett Radio Jesters.

WJZ, New York, N. Y. (454.3m-660kc), 7 p. m., Hotel Commodore concert orchestra; 8:25, Philharmonic Society of New York student concert, WRC, WGY.

WLIT, Philadelphia, Pa. (394.5m-760kc), 7:30 p. m., Benjamin Franklin hotel concert orchestra.

WMAK, Buffalo, N. Y. (265.3m-1130kc), 6:15-7:15 p. m., dinner music; 7:30-8:30, musicale; 8:30-9, Wolff's Furniture House, Inc.; 9-10:30, musicale; 10:30-11, Maltop, Inc., Toddy manufacturers.

WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Olcott Vail and Hotel McAlpin string ensemble; 6:30, Parody orchestra; 10:30, Creole follies; 11, Ernie Golden and Hotel McAlpin orchestra; 12, McAlpin entertainers.

WNAC, Boston, Mass. (280.2m-1070kc), 6 p. m., "The Smilers"; 6:30, Shepard Colonial orchestra; 8, Knickerbocker club and artists; 9, varied program; 10, Lambert Brothers' orchestra; The Plunkerters; 11, Copley Plaza dance orchestra; Jack Fay, songster.

WNYC, New York, N. Y. (526m-570kc), 7 p. m., song recitals; 7:35, Herman Neuman, pianist; 8-10, Metropolitan Museum of Art symphony concert; 10, songs; 10:10, dramatic readings, Harriette Weems.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Adelphia French Room orchestra.

WPG, Atlantic City, N. J. (299.8m-1000kc), 6:45 p. m., organ recital, Arthur Scott Brook; 7, Hotel Morton music; 8, dinner program; 9, Hotel Ambassador orchestra; 10, Nick Nichols' orchestra; 11, orchestra; Elks home.

WRC, Washington, D. C. (468.5m-640kc), 7 p. m., Hotel Washington orchestra; 8:25, WRC; 10:30, Meyer Davis' Swanee syncopators; 11:30-12, Otto F. Beck, organist.

WREO, Lansing, Mich. (283.5m-1050kc), 6-7 p. m., Speed-Wagon serenaders and Gold Standard ensemble; 10-12, serenaders.

WTAM, Cleveland, Ohio (389.4m-770kc), 6-7 p. m., Royal Canadians; 8-9, Hotel Hollenden orchestra; 9-12, Ivy Jones and gang.

WTIC, Hartford, Conn. (475.9m-630kc), 6:30 p. m., Skinny and his gang; 6:50, Hotel Bond trio; 8:30, Helene Garlene Hines, reader; 8:45, recital; 10:30, Carroll's Palais Royal orchestra.

Central Time Stations

KFAB, Lincoln, Nebr. (340.7m-1000kc), 8:30-10:30 p. m., variety program by staff artists; 12-2 a. m., orchestra entertainment.

KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., concert; 11, old-time fiddling.

KLDS, Independence, Mo. (440.9m-680kc), 8 p. m., Temple concert orchestra, First M. E. church choir.

"a Step On the Stairs"

Broadcast as a Play

EPISODE FIVE—THE SETTING

WE ARE still in the haunted hunt-room of the old Turner manse. The guests are still waiting for the voice of Peleg Turner to return from the grave through the Radio loud speaker to tell of the mysterious murder of his brother. Suspicions have turned from one to the other of the guests. Lawyer Ardwyn was about to read a letter when the lights went out. In the darkness he gave a cry of pain. Later when the lights had been returned, he said a woman had bitten him on the wrist. The letter had disappeared. Mary Williams repulsed Henry Graves, another guest who asked to marry her. His wooing was interrupted by Ardwyn, the lawyer, who returned to the hunt-room after bandaging his wrist. Ardwyn and Mary are left alone. Ardwyn shows her necklace caught on his watch chain which Mary admitted was her own. The two sit waiting for the door to open. The candle goes out. The front door, supposed to be securely locked and barred, swings open, a figure enters. Mary cried that she has felt the body of a corpse. Ardwyn falls to the floor, a gash in his head. The other guests find them there and a scarf from Peleg's shroud is found clutched in her hand. They are revived. They are unable to explain what has happened. Hazel Stanton assists Mary and on advice of Ardwyn she is left alone to recover her senses. John Carton, a nephew, suspected of the murder slips into the hunt-room. He bids Mary to believe in him, that he is there to prevent another murder planned for the night and that he has summoned the police. Mary is surprised and seeks to hide him when other guests are heard approaching. Hari Singh assists him out the side door. Mary is questioned about the voices. Hari Singh calls for help and drags in Milford Jones who had disappeared from the room earlier in the evening.

THE CAST

Frederick Ardwyn.....Peleg Turner's lawyer
Aunt Helen Holmes.....A relative
Henry Graves.....A mysterious man Mary had known formerly
Hari Singh.....Indian servant of Peleg Turner
Mary Williams.....A youthful guest
Maurice Tolliver.....A youth and relative
Hazel Stanton.....A young lady
Cousin William Caryl.....A relative
Miriam Hartley.....A singer

WHERE AND WHEN TO DIAL

WOC, Davenport, Iowa. Fifth episode at 10:30 p. m. Central time, on Friday, March 26. Sixth episode same time, April 2. (483.6m-620kc).

WOAW, Omaha, Neb. Fourth episode at 8 p. m. Central time, Saturday, March 27. (526m-570kc).

KGO, Oakland, Calif. Fifth episode at 9:45 p. m. Pacific time, Saturday, March 27. (361.2m-830kc).

KOA, Denver, Colo. Fifth episode at 8:30 p. m. Mountain time, Tuesday, March 30. (322.4m-930kc).

WCCO, Minneapolis-St. Paul, Minn. Fifth episode at 10:05 p. m. Central time, Tuesday, March 30. (416.4m-720kc).

WGY, Schenectady, N. Y. Fifth episode at 8:15 p. m. Eastern time, Friday, March 26. Sixth episode same time April 2. (379.5m-790kc).

WMAQ, Chicago, Ill. Fifth episode at 9 p. m. Central time, Wednesday, March 24. Sixth episode same time March 31. (447.5m-670kc).

WNAC, Boston, Mass. Fifth episode at 8:30 p. m. Eastern time, Wednesday, March 24. Sixth episode at same time March 31. (280.2m-1070kc).

WEAN, Providence, R. I. Play broadcast by direct wire from WNAC, Boston, on same schedule as WNAC therefore. (270.1m-1110kc).

WHO, Des Moines, Iowa. Fifth episode at 2:30 p. m. Central time, Monday, March 29. (526m-570kc).

WRC, Washington, D. C. Fifth episode at 8:15 p. m. Eastern time, Friday, March 26. Sixth episode same time April 2. (468.5m-640kc).

WLW, Cincinnati, Ohio. Fifth episode at 8:30 p. m. Central time, Saturday, March 27. (422.3m-710kc).

WOR, Newark, N. J. Fifth episode at 10:30 p. m. Eastern time, Saturday, March 27. (405.2m-740kc).

WBAP, Fort Worth, Texas. (475.9m-630kc). First episode at 11 p. m. Central time, Thursday, April 1.

WSB, Atlanta, Ga. (428.3m-700kc). Schedule to be announced over air.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc). Schedule to be announced over air.

KMA, Shenandoah, Iowa (252m-1190kc), 9-11 p. m., pipe organ recital, William Howie.

KMOX, St. Louis, Mo. (280.2m-1070kc), 6 p. m., Arthur Utt, organist; 6:30, Mrs. Jaques Landree, organist; 7, orchestra; Mary Noble, soprano; English, Scotch and Welsh program; 8, mixed program; 9, James Haley, old-time fiddler; Edward Goessling, baritone; 10, popular program, orchestra.

KPRC, Houston, Tex. (296.9m-1010kc), 8 p. m., pipe organ recital, O. Mueller; 8:30, Frank Tilton, blind pianist; 10, Silverstring players.

KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., Grand Central theater.

WAMD, Minneapolis, Minn. (244m-1230kc), 6:15 p. m., dinner concert, George Osborn and his orchestra; 7:10, Harmony Twins, Fred Roble, Bob Melcher, orchestra.

WBAP, Fort Worth, Texas (475.9m-640kc), 6-6:30 p. m., Chief Gonzales' Texas hotel orchestra; 7:30-8:30, music, Mrs. W. D. Smith; 9:30-11, the Hired Hand's Little symphony; 10, Hired Hand's Truth society.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6:15 p. m., St. Paul hotel concert orchestra; 8:15, musicale; 10:05, Nicollet hotel orchestra.

WFAA, Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m., Baker hotel orchestra; 8:30-9:30, Oak Cliff-Dallas Commercial association varied program; 11-12, Jack Gardner's orchestra, Adolphus hotel.

WGES, Oak Park, Ill. (250m-1200kc), 8-9 p. m., orchestra, organ; 11-1 a. m., entertainment.

WGN, Chicago, Ill. (302.8m-990kc), 6:30-6:45 p. m., Drake concert ensemble, Blackstone string quintet; 6:45-6:55, old-time favorites; 6:55-7, "The Million Sing"; 8-8:10, Auld Sandy; 8:10-8:30, Drake concert ensemble, Blackstone string quintet; 8:30-9:30, light opera quartet; 9:30-10, Hawaiian music; 10, Sam 'n' Henry; 10:10, old-time favorites; 10:20, play shop; 10:40-11, studio ensemble.

WHAD, Milwaukee, Wis. (275m-1090kc), 6 p. m., Wisconsin theater orchestra.

WHAS, Louisville, Ky. (399.8m-750kc). 7:30-9 p. m., Town club, Louisville Conservatory of Music.

WHT, Chicago, Ill. (399.8m-750kc), 10 a. m., Jean Sargent's program; juvenile program and studio features; 11, Mike Rizzo, boy violinist; 12 noon, organ recital, Al Carney; 6 p. m., classical program; Al Carney, organist; Grayling's string trio; W. A. Dyckman, basso; Leola Aikman, soprano; Hugh Aspinwall, tenor; (238m-1260kc) 7:45-9:15, musical features, Cinderella cafe orchestra; (399.8m-750kc) 9:30, Kitchen Klenzer program; 9:50, symphony; 10:30, Cinderella cafe orchestra; 12, Your Hour league, Pat Barnes and Al Carney.

WIBO, Chicago, Ill. (225.4m-1130kc), 6-8 p. m., dinner concert; Robert Wessling, baritone; vocalists, reader, string trio.

WJAZ, Chicago, Ill. (322.4m-930kc), 9-2 a. m., dance program, Opera club.

WJJD, Mooseheart, Ill. (370.2m-810kc), 12-1 p. m., Palmer House symphonic players; Palmer House trio; 2-3, Howard L. Peterson, organist; 4-5, Palmer House quintet; 5:30-7, dinner hour; 8-9, Palmer House Victorians; 10-11, Palmer House Victorians; 12-1 a. m., Palmer House Victorians; Jack Nelson.

WKAF, Milwaukee, Wis. (261m-1150kc), 8:30-9:45 p. m., Hi Coleman's orchestra; Louis Rabideaux, baritone.

WKRC, Cincinnati, Ohio (325.9m-920kc), 10 p. m., Marion McKay and his orchestra, Swiss Gardens; Marie Turner, blues singer.

WLIB, Chicago, Ill. (302.8m-990kc), 7:30-8 p. m., musical program; 11-11:20, Correll and Gosden; 11:20-1 a. m., studio ensemble, dance music, harmony duos.

WLS, Chicago, Ill. (344.6m-870kc), 7:15-12 p. m., National barn dance and WLS twin whoozo.

WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., organ concert, Johanna Grosse; 7:10, meeting, Seekatary Hawkins club; 8, barnyard symphonies, Uncle Charley Warner and his Coon Dog orchestra; 8:30, "A Step On the Stairs," Robert Casey; 9, Uncle Charlie Warner and his orchestra; 9:30, Castle Farm.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Mendel Riley, trombone player; 8, Daw and Pratt; 8:30, Radio photologue; Capt. Kilroy Harrison; 9, Balaban and Katz Chicago theater Radio revue.

WMBB, Chicago, Ill. (250m-1200kc), 7-8 p. m., Trianon ensemble; 9-11, Trianon orchestra; Woodlawn theater orchestra; Alice O'Brian, piano specialties; McFarvin and Beiber, harmony duo; Clinton Keithley, tenor.

WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., musical program, Walter Moore.

WOAW, Omaha, Nebr. (526m-570kc), 6 p. m., Kalico Kids; 6:15, Herb Feierman and his orchestra; 7, speakers' hour; 9, de luxe program; 10:30, Frank Hodek and his Nightingale orchestra; 11, Arthur Hays and his organ jubilee.

WOC, Davenport, Iowa (483.5m-620kc), 9-10 p. m., Howard A. Carroll, tenor; Fay Paarmann, pianist; Grace Loosely, reader; 11-12, LeClaire hotel orchestra; song numbers, Peter MacArthur, baritone.

WOK, Chicago, Ill. (217.3m-1300kc), 4:30-7 p. m., Howard Will, tenor; 10-1 a. m., dance music; Capitol theater program.

WQJ, Chicago, Ill. (447.5m-670kc), 3-4 p. m., Koffee Klatsch; special musical feature; Jerry Sullivan; Rose Vanderbosch, soprano and pianist; artists; 7-8, Jack Chapman and his Rainbo Garden concert orchestra; 10-3 a. m., Jack Chapman's orchestra; Jerry Sullivan; Rose Vanderbosch, pianist and soprano; Everett Opie, reader; Clarence Theders, tenor; Oxford Girls, harmony singers; Rita McFawn, Mary Bieber, harmony duo; West Brothers, guitarists; Gail Bandell, melodians.

WRR, Dallas, Texas (245.8m-1220kc), 6-7 p. m., Jack Gardner's orchestra; 8-9, Henry A. Magnuson, tenor; 12-1 a. m., pipe organ recital, Melba theater; Lindsey Stephens, baritone.

WSAI, Cincinnati Ohio (325.9m-920kc), 7:50 p. m., WSAI Radio chime concert; 8:15, the Bicycle Playing Card sextet; 12, Freda Sanker's orchestra.

WSM, Nashville, Tenn. (282.8m-1060kc), 7:15 p. m., Francis Craig's orchestra; 8, barn dance program.

WSOE, Milwaukee, Wis. (245.8m-1220kc), 9 p. m., Lakefront studio musical program.

WSUI, Iowa City, Iowa (483.6m-620kc), 7:30 p. m., Wm. G. Edmondson, tenor; Mrs. Geraldine Ristine, pianist.

Mountain Time Stations

KFWA, Ogden, Utah (260.7m-1150kc), 9-10 p. m., Ollie Reeves and his orchestra; 10-11, Merry Mad music makers, Paramount theater; 11-12, Ollie Reeves and his orchestra.

KFXF, Colorado Springs, Colo. (250m-1200kc), 9 p. m., Rosemary Gardens orchestra.

KOA Denver Colo. (322.4m-930kc), 8 p. m., American classics, Phi Mu Alpha; 10:15, Scheuerman's Colorado orchestra.

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 5:30 p. m., All-American string quartet; 6:30, vest pocket program; 7-8, Al Wesson and his dance orchestra; 8-9, Robert Hurd, tenor; Virginia Flohri, soprano; Heinrich Tandler, violinist; 9-10, program, associated Packard dealers of California; 10-11, Packard Radio club; 11-3 a. m., frolic.

KFON, Long Beach, Calif. (232.4m-1280kc), 6-6:30 p. m., organ recital, Brayton's; 7-8, studio program; 8-9, Press-Telegram studio; 9-11, KFON artists' frolic.

KFWB, Hollywood, Calif. (252m-1190kc), 8-9 p. m., Lyric string trio; Monice Wynn, soprano; Jack Goode, tenor; 9-11, program, Reeve-Gartzmann, Inc., featur-

KFWI, San Francisco, Calif. (225.4m-1330kc), 1:30-3:30 a. m., Pajama party, Clem Kennedy's dance orchestra, Eddie Stott, Al Pierce, Sadie Woodside; George Taylor and his uke.

Ing Oakland Six dance orchestra.

KGO, Oakland, Calif. (361.2m-830kc), 8:10 p. m., old dance revival, old-time music, old songs medley; Carl Anderson, tenor; Robert Saxe, tenor; Clarence Oliver, baritone; Albert Gillette, bass; Batt Scanlan and his old-time dance orchestra; 9:45, fifth episode, "A Step On the Stairs," mystery story; 10-12, California Collegians' dance orchestra.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., concert, Olds, Wortman and King company; 9-12, Indian grill.

KHJ, Los Angeles, Calif. (405.2m-740kc), 8-10 p. m., program, Motor Transit company.

KJR, Seattle, Wash. (384.4m-780kc), 8:30-10 p. m., L. C. Warner studio.

KMTR, Hollywood, Calif. (238m-1260kc), 6-7 p. m., Starr Piano company studio; 8-10, KMTR concert orchestra; Neil Russell, baritone.

KNX, Hollywood, Calif. (336.9m-890kc), 5:30 p. m., Leighton's cafeteria orchestra; 6:30-7, Atwater Kent concert orchestra; 7:30-8, program, Roy L. Donley, Inc.; 8-10, KNX feature program; 10-11, Ray West's Cocoanut Grove dance orchestra; 11-2 a. m., Filmland frolic.

KOWW, Walla Walla, Wash. (256.3m-1170kc), 8-12 midnight, studio program, dance music.

KPO, San Francisco, Calif. (428.3m-1000kc), 6:35-7:30 p. m., States restaurant orchestra; 8-9, Thirtieth U. S. Infantry band; 9-10, music; 10-12, Fairmont hotel orchestra; Maurice Gunsky, tenor; Merton Bories, pianist.

KPSN, Pasadena, Calif. (315.6m-950kc), 8-9 p. m., Star-News concert hour; 9-10, Maryland hotel dance orchestra.

Sunday, March 28

Headliners Today

Eastern	Central	Mountain	Pacific
3:30 p. m.	2:30 p. m.	1:30 p. m.	12:30 p. m.

WTIC (475.9m-630kc) New Haven orchestra.

7 6 5 4

WBZ (333.1m-900kc) "The Dancing Princess," Dartmouth players.

7:30 6:30 5:30 4:30

WBAL (245.8m-1220kc) Artists' series.

7:45 6:45 5:45 4:45

WAMD (243.8m-1230kc) Radio stock company.

7:20 6:20 5:20 4:20

WEAF (491.5m-610kc), WEEI, WCAP, WJAR, WTAG, WCAE, WWJ, Capitol family.

9:15 8:15 7:15 6:15

WEAF, (491.5m-610kc), WEEI, WCAP, WOO, WJAR, WGR, WCAE, WSAI, WWJ, WOC, WCCO, WGN, WEAR, KSD, WTAG, Atwater Kent program.

9:30 8:30 7:30 6:30

WFAA (475.9m-630kc) MacDowell Sisters.

10 9 8 7

KMOX (280.2m-1070kc) Skouras Sunday night club.

10:30 9:30 8:30 7:30

KPRC (296.9m-1010kc) Paramount Five.

KYW (545.1m-560kc) Classical concert.

11 10 9 8

KHJ (405.2m-740kc) Zoellner string ensemble.

Sunday, silent night for: CFAC, CHIC, CKNC, CNRA, CNRC, CNRE, CNRM, CNRO, CNRR, CNRT, CNRV, CNRW, KFAB, KFAU, KFKX, KFKU, KFOA, KFVE, KFWA, KFXF, KLX, KMA, KMTR, KOAC, KOB, KOWW, KSAC, KSO, KWSC, PWX, WABQ, WAHG, WCAD, WCAR, WCAU, WDAF, WDBO, WEAO, WEBJ, WEBW, WFI, WGBF, WGES, WGHB, WGHP, WGST, WHAD, WHAS, WHAZ, WIP, WJAZ, WJJD, WJR, WKAF, WKAQ, WKAR, WMAQ, WMAZ, WMC, WNYC, WOI, WRC, WRVA, WSB, WSM, WTAM.

Eastern Time Stations

CHIC, Toronto, Can. (356.9m-840kc), 5 p. m., organ recital, George Graham.

KDKA, Pittsburgh, Pa. (309.1m-970kc), 6:30 p. m., dinner concert; 7:15, chimes; 7:45, church service.

PWX, Havana, Cuba (400m-750kc), 8-9 p. m., Cuban Army band; 9:10-10:10, Cuban Army band; 10:30-12, Lido-Venice revue.

WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., twilight program, concert orchestra; Michael Richter, flutist; 7:30-8:30, musical program; artists' recital, Martha Attwood, soprano; Oliver Denton, pianist.

WBBR, New York, N. Y. (272.6m-1100kc), 9 p. m., Watchtower violin choir; 9:10, vocal selections; 10, Watchtower violin choir.

WBZ, Springfield, Mass. (333.1m-900kc), 6 p. m., music; Ary Dulfer, violinist; Alexander Blackman, violaist; George Brown, cellist; Hans Ebell, pianist; 7, "The Dancing Princess," Dartmouth players; 7:30, Copley Plaza orchestra; 8, program.

WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert; 7:20, WEAF; 9:15, WEAF.

WCAP, Washington, D. C. (468.5m-640kc), 11 a. m., First Baptist church; 4 p. m., Bethlehem chapel; 6:20-7:20, Vesper string ensemble; 7:20-9:15, WEAF; 9:15-10:15, WEAF.

WEAF, New York, N. Y. (491.5m-610kc), 2-3 p. m., Greater New York Federation of Churches; 3-4, young people's conference; 4-5:30, Bedford branch, Y. M. C. A., WTAG, WEEI, WCAE, WSAI; 5:30-6, Metropolitan male chorus; 6-7, George Barrere's little symphony orchestra, WJAR, WFI; 7-7:20, chamber musicale, WJAR, WFI; 7:20-9:15, Capitol theater; 9:15-10:15, Atwater Kent, WEEI, WCAP, WJAR, WGR, WCAE, WSAI, WWJ, WOC, WCCO, WGN, WEAR, KSD, WTAG, WFI.

WEEI, Boston, Mass. (348.6m-860kc), 10:50 a. m., Old South church; 12:30 p. m., St. Mark's church choir; 2, Sager's hour of hospitality; 3, Chamber of Commerce organ recital; 5:30, Ecker concert group; 7:20, WEAF; 9:15, WEAF.

WFI, Philadelphia, Pa. (394.5m-760kc), 4:30 p. m., services from Central Y. M. C. A., Dr. John Dunburg, speaker; 6, George Barerre and his Little Symphony orchestra; 8:15, WEAF.

WGBS, New York, N. Y. (315.6m-950kc), 3 p. m., Arrowhead Inn tea dance; 3:30, Crystal Palace orchestra; 8:30, program.

WGCP, New York, N. Y. (252m-1190kc), 3 p. m., orchestra; 3:30, Isabelle Henderson, soprano; 3:45, Edgar Duffy, baritone; 4, orchestra; 4:30, Leslie McLeod, tenor; 4:45, orchestra.

WGR, Buffalo, N. Y. (319m-940kc), 10:45 a. m., Westminster Presbyterian church; 7:45, Central Presbyterian church; 9:15, WEAF.

WGY, Schenectady, N. Y. (379.5m-790kc), 7:30 p. m. service, First Lutheran church; 9, WJZ; 10, Godfrey Ludlow, violinist.

WHAR, Atlantic City, N. J. (275m-1090kc), 10:45 a. m., Chelsea Baptist church; 1:15 p. m., sacred recital, Seaside hotel ensemble; 7:50, Chelsea Baptist church; 9, classics, Seaside hotel ensemble.

WHN, New York, N. Y. (361.2m-380kc), 7:30-9:45 p. m., Calvary evening services; 10:15-10:45, Anatol Friedland; 10:45-11:15, Janssen's Hofbrau Haus orchestra; 12-12:30 a. m., Harry Richman entertainers.

WIP, Philadelphia, Pa. (508.2m-590kc), 7:15 p. m., services, Holy Trinity church; 9:30, gala concert, Philadelphia and Reading Seashore band.

WJAR, Providence, R. I. (305.9m-500kc), 6 p. m., George Barrarre's Little symphony orchestra; 7, moment musicale; 7:20, WEAF; 9:15, WEAF.

WJZ, New York, N. Y. (454.3m-660kc), 11 a. m., St. Thomas Episcopal church; 12:30 p. m., Sunday Symphonic society concert; 2:30, Sunday Radio forum; 3:55, St. George's vesper service; 7, Hotel Pennsylvania; 8, Bakelite hour; 9, Hotel Commodore concert orchestra, WGY; 10, Godfrey Ludlow, violinist; Lolita Cabrera Gainsborg, pianist, WGY.

WLIT, Philadelphia, Pa. (394.5m-760kc), 7 p. m., Benjamin Franklin hotel organ recital; 7:30, Benjamin Franklin hotel concert orchestra.

WLWL, New York, N. Y. (288.3m-1040kc), 8 p. m., sermon, Very Rev. Francis C. Campbell, LL.D., president Cathedral college.

WMAK, Buffalo, N. Y. (265.3m-1130kc), 10:25 a. m., First Presbyterian church; 7:30, Churchill tabernacle.

WMCA, New York, N. Y. (340.7m-880kc), 11 a. m., Second Church of Christ, Scientist; 3, "What To Think In Religion." Dr. Minot Simons; 3:30, Donald Flamm's Frolickers; 6, Roemer's Homers; 7, Ernie Golden and Hotel McAlpin orchestra; 7:30, Hotel McAlpin string ensemble; 8:30, choir, Church of Ascension; 9:30, Parody orchestra; 10, Zero's hour; 10:30, Twin Oaks orchestra; 10:15, Arthur West's Sirens.

WNYC, New York, N. Y. (526m-570kc), 8-9:30 p. m., Palm Sunday musical service, Church of St. John the Evangelist.

WOO, Philadelphia, Pa. (508.2m-590kc), 10:30 a. m., services, Bethany Presbyterian church; 2:15 p. m.,

WBAL INTRODUCES NOTED PIANIST

The new soprano at KYW, Chicago, is Kathryn Browne, above. Miss Browne is well-known to Illinois audiences because of her operatic work with the Chicago Civic opera company. "Mercer's King of the Ivories" is the young man to the right, Ralph Tabor. He is the official pianist of WMAZ, Macon, Ga.

Sunday, March 28

musical exercises, Bethany Sunday school; 6, organ recital, Clarence K. Bawden.

WPG, Atlantic City, N. J. (299.8m-1000kc), 2 p. m., organ recital, Arthur Scott Brook; 4:15, community vocal and instrumental recital, St. James' Episcopal church; 9:15, Hotel Traymore concert; 9:30, Hotel Ambassador orchestra; 10:15, "The Crucifixion," Wilwood Baptist church choir.

WREO, Lansing, Mich. (283.5m-1050kc), 10 a. m., chimes, Belfry Plymouth Congregational church, 10:30, Plymouth Congregational church; 7 p. m., Central M. E. church; 8:15, St. Mary's church chorus choir.

WTAG, Worcester, Mass. (267.7m-1120kc), 4-5:30 p. m., WEAF; 7:20-9:15, WEAF; 9:15-10:15, WEAF.

WWJ, Detroit, Mich. (352.7m-850kc), 10 a. m., First Presbyterian church; 2 p. m., Detroit News orchestra, 4, organ recital; 7:20, Capitol theater family; 9:15, WEAF.

Central Time Stations

KFAB, Lincoln, Nebr. (340.7m-1000kc), 9-11 p. m., York orchestra.

KFNF, Shenandoah, Iowa (263m-1140kc), 10:45 a. m., First M. E. church; 2:30 p. m., Golden Rule song service; 3, Swedish Mission church; 6:30, service, Golden Rule circle; 7:30, Christian church service.

KFRU, Columbia, Mo. (499.7m-600kc), 7:30 a. m., sunrise service; 7:30 p. m., Baptist church services.

KLDS, Independence, Mo. (440.9m-680kc), 6:30 p. m., quartet; euphonium selections, Philip Turner; James Davis, tenor; 9:15, sacred program; Pauline Etzenhauser, organist; Ada Griffice, violinist; quartet.

KMA, Shenandoah, Iowa (252m-1190kc), 12:15-1:15 p. m., Sacred song service; 4 p. m., church choir music; 5, Bible class.

KMOX, St. Louis, Mo. (280.2m-1070kc), 9 p. m., popular entertainment, Skouras Sunday night club.

KPRC, Houston, Texas (296.9m-1010kc), 9:50 a. m., Trinity Lutheran church; 7:30 p. m., First Christian church; 9:30, Paramount Five, Radio artists.

KSD, St. Louis, Mo. (545.1m-550kc), 6:15 p. m., WEAF; 8:15, WEAF.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 11 a. m.-12:30 p. m., First Baptist church; 9-10, classic hour, New Arlington and Eastman hotels grand ensembles; 10:05-11:30, Arkansas Traveler Radio special train, Benny Ford and his musical train crew; 11:30-12:30 a. m., organ classic, Lawson Reid.

KUOA, Fayetteville, Ark. (299.8m-1000kc), 7:30 p. m., Central Methodist church.

KYW, Chicago, Ill. (536m-560kc), 7 p. m., Chicago Sunday Evening club; 9:30, classical concert.

WAMD, Minneapolis, Minn. (244m-1230kc), 10:30 a. m., First Unitarian church; 2:30 p. m., popular program, Dixie Radio Hound; 6:15, dinner concert, George Osborn and his orchestra; 6:45, Leome Faust and stock company; 9:30, Gayle Wood.

WBAP, Fort Worth, Texas (475.9m-630kc), 5-6 p. m., sacred concert; 9:30, Chief Gonzales Texas hotel orchestra.

WCAL, Northfield, Minn. (336.9m-890kc), 8:30 a. m., Norwegian church services; 9:15 p. m., St. John's Lutheran church.

WCBD, Zion, Ill. (344.6m-870kc), 8 p. m., Zion band and Ladies' quartet.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 10:50 a. m., Plymouth Congregational church; 4:10, House of Hope Presbyterian church; 6:20, Second Church of Christ Scientist; 8:15, WEAF.

WDAF, Kansas City, Mo. (365.6m-820kc), 3-4 p. m., Cathedral choir; 4-4:15, WDAF Sabbath vespers, St. Marks Lutheran church.

WEMC, Berrien Springs, Mich. (285.5m-1050kc), 11 a. m., Ardice Detamore, organist; the Lighthouse choir; Mr. T. H. Madison, violinist; 11:50, Mrs. Lela Beuchell, soprano; 8:15 p. m., Martha Hutchison, organist; the Lighthouse choir; Prof. H. L. Pearson, reader; Ellen Acton, soprano; 9:10, Ellis Maas, bass.

WFAA, Dallas, Texas (475.9m-630kc), 6-7 p. m., Radio Bible class, First Presbyterian church; 7:30-8:30, First Church of Christ, Scientist; 8:30-9:30, MacDowell sisters; 11-12, Amphion male quartet.

WGES, Oak Park, Ill. (250m-1200kc), 5-7:40 p. m., Moody Bible school program; 11-12, frolic.

WGN, Chicago, Ill. (302.8m-990kc), 6:30-6:45 p. m., musical program; 6:45, old-time favorites; 6:55, "The Million Sing"; 7-8:15, Drake concert ensemble, Blackstone string quintet; 8:15, WEAF; 9:15, old-time music room; 10, Sam 'n' Henry; 10:10, old-time favorites; 10:20-11, musical program, ensemble; Charlie Straight's Rendezvous orchestra.

WHAD, Milwaukee, Wis. (275m-1090kc), 3:15 p. m., Turnverein symphony orchestra.

WHAS, Louisville, Ky. (399.8m-750kc), 10 a. m., St. Boniface church; 4:30-5:30, Christ church cathedral.

WHB, Kansas City, Mo. (365.6m-820kc), 9:40-10:45 a. m., Boulevard Christian church; Mrs. Fred Bishop, organist; Nora LaMarr Moss, contralto; 11:15-12:30 p. m., Independence Blvd. Christian church; Hans Fell, organist; 8-9, Christian Science services; 11:15-1 a. m., Linwood theater feature; Morrill Moore, organist; Don Anchors, poet.

WHO, Des Moines, Iowa (526m-570kc), 11 a. m., St. Paul's Episcopal church; 4 p. m., artists from Adel; 7:30-8:15, the Bankers Life trio; Myrtle Williams, soprano; Stewart Watson, baritone; 11-12, the Bankers Life Little symphonic orchestra.

WHT, Chicago, Ill. (399.8m-750kc), 12 noon, Sunday dinner sacred concert, vocal and organ; 12:45 p. m., special program for shut-ins and sick; 1:15, shepherd time for the kiddies; 1:30, Aerial Girls program; 1:45, Radio Rangers; 2, fellowship program; 2:30, missionary program; 2:45, orchestra concert and afternoon services, Chicago Gospele tabernacle; 5:30, vesper concert; 6, young women's council; 6:30, concert, tabernacle band and choir; sermon, Paul Rader; 9:30, request program; 10:30, Paul Rader, back home hour.

WIBO, Chicago, Ill. (225.4m-1130kc), 2-4 p. m., concert, faculty of Uptown Conservatory of music; 6-8, dinner concert, WIBO quartet, trio; 10-12, popular program, songs, ukulele solos, pianist.

WJAZ, Chicago, Ill. (322.4m-930kc), 7-9 p. m., special musical program.

WJJD, Mooseheart, Ill. (370.2m-810kc), 7:45 a. m., Catholic services; 9:40-10:30, Protestant services; 3-4 p. m., Mooseheart Sunday concert.

WKRC, Cincinnati, Ohio (325.9m-920kc), 6:45 p. m., Walnut Hills Christian church; 10, Rodel classical program; 11:15, Marion McKay and his orchestra, Swiss Gardens.

WLIB, Chicago, Ill. (302.8m-990kc), 5-6:30 p. m., chamber music.

WLS, Chicago, Ill. (344.6m-870kc), 6 p. m., prelude; 6:30-7:55, WLS; Little Brown church choir; Centennial church orchestra; WLS trio; Sol Heller, tenor.

WLW, Cincinnati, Ohio (422.3m-710kc), 10 a. m., Seventh Presbyterian church; 4 p. m., organ concert; 7:30, First Presbyterian church, Rev. Frederick MacMillan; 8:30, Pogue concert, Ralph Thomas, soloist.

WMBB, Chicago, Ill. (250m-1200kc), 3-5 p. m., orchestras; K. Lucille O'Hara, soprano; Bob Duffy, whispering baritone; Clifford Rail, harmonica novelties; 7:40-9, Fifth Church of Christ Scientist; 9-11, Scotty Welch, Madison Sisters, Billie Allen Hoff, blues singer; Bob Bennett, celeste specialties; Maxwell Treharne, tenor.

WOAI, San Antonio, Texas (394.5m-760kc), 7:30 p. m., Central Christian church; 9:30, super-heterodyne hour of music.

WOAW, Omaha, Nebr. (526m-570kc), 9 a. m., Christian and Missionary alliance; 1:30 p. m., matinee program; 6, Bible study; 9, services.

WOC, Davenport, Iowa (483.6m-620kc), 1:2:30 p. m., Palmer Little symphony; Paul Vippe,man, tenor; 6:30-7, Methodist Episcopal church; 8:15-9:15, WEAF; 10-11:30, Palmer Little symphony, soloists.

WOK, Chicago, Ill. (217.3m-1300kc), 6-1 a. m., orchestras; Husk O'Hare's orchestra.

WORD, Batavia, Ill. (275.1m-1090kc), 10 a. m., I. B. S. A. service; 2:30 p. m., program; 6, I. B. S. A. song service; 6:45, trio; 9, service, Webster trio, choral singers.

WOS, Jefferson City, Mo. (440.9m-680kc), 9:30 a. m., Christian church; 5 p. m., Vesper services; 7:30, First Baptist church.

WQJ, Chicago, Ill. (447.5m-670kc), 9:30 a. m., Peoples' church of Chicago, choir; Clarence Eddy, organist; 3-4, Saida Ballantine artists; Dell Eastburn, tenor; Elizabeth Greene, violinist; Marcella Kaltenbach, Esther Chukerman, coloratura sopranos; Joe DuMond, baritone; Irene DuMond, concert pianist; Fannie Fuerst, reader; 8-10, Jack Chapman and his orchestra; Perison Thal, pianist; Grace Wallace; Otis Jester, Lena Auer Kirk, sopranos; Roy McKay, baritone; Mary House, pianist; Fontella trio.

WSAI, Cincinnati, Ohio (325.9m-920kc), 3-4 p. m., WEAF; 7:45, chime concert, Robert Badgley; 8:15, WEAF.

WSM, Nashville, Tenn. (282.8m-1060kc), 7:30 p. m., First Presbyterian church.

WSUI, Iowa City, Iowa (483.6m-620kc), 4 p. m., Vesper service; 9:15, Central City quartet.

Mountain Time Stations

KFXF, Colorado Springs, Colo. (250m-1200kc), 11 a. m., First Presbyterian church; 7:30, First Methodist church; 9:15, "The Culture of India," Prof. S. L. Joshi.

KOA, Denver, Colo. (322.4m-930kc), 11 a. m., First Congregational church; 3 p. m., music hour; Mary Lee Read, organist; Marjorie Mellow, soprano; Mrs. J. A. Donery, contralto; 7:40, Trinity Methodist Episcopal church.

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 4-5 p. m., vesper hour; 7-7:30, Synchrophase string ensemble; 7:30-8, Jim, Jack and Jean trio; 8-9, Aeolian organ, Dan L. McFarland, organist; 9-10, Harry Keiper's Movieland dance orchestra; 10-11, Packard Six dance orchestra.

KFON, Long Beach, Calif. (232.4m-1280kc), 6-6:30 p. m., Brayton's theater organ; 7:45-9, service, First Church of Christ Scientist; 9-10, Burt Pedersen's orchestra.

KFWB, Hollywood, Calif. (252m-1190kc), 9-11 p. m., Warner Brothers Sunday night frolic, Frances St. George, the jazzmania girl of KFWB; Albert Keglovich, violinist; Dan Gridley, tenor; Jack Smith's dance orchestra.

KGO, Oakland, Calif. (361.2m-830kc), 11 a. m., First Presbyterian church; Otto Fleissner, organist; Theodore Phillips, tenor; 3:30 p. m., concert, KGO Little symphony orchestra; James Gerard, tenor; 7:30, Presbyterian church; Mrs. Harold Olsen, contralto; Otto Fleissner, organist.

KGW, Portland, Ore. (491.5m-610kc), 7:30-9 p. m., East Side Baptist church; 9-10, concert.

KHJ, Los Angeles, Calif. (405.2m-740kc), 4-5 p. m., Masonic service; 7-8 p. m., First Methodist Episcopal church; 8-10, Zoellner string ensemble; Orpheus Four male quartet.

KJR, Seattle, Wash. (384.4m-780kc), 7:15-7:30 p. m., Mrs. Montgomery Lynch, organist; 7:30-9, First M. E. church; 9-10:30, Puget Sound Savings and Loan association orchestra.

KNX, Hollywood, Calif. (336.9m-890kc), 6:30-7 p. m., Hollywood Unitarian church; 7-8, program, Southern California Edison company; 8-9, First Presbyterian Church of Hollywood; 9-10:30, program, Beverly Hills Nurseries.

KPO, San Francisco, Calif. (428.3m-1000kc), 9:45-10:45 a. m., service; 5-6 p. m., organ recital, Marshall Giselman; 6-6:30, States restaurant orchestra; 6:35-8:35, Palace hotel concert orchestra; 8:35-10, Rudy Seiger's Fairmont hotel orchestra; 10-12, Henry Halstead's orchestra.

KPSN, Pasadena, Calif. (315.6m-950kc), 8:45-9:45 p. m., Maryland Artists' ensemble.

KTAB, Oakland, Calif. (239.9m-1250kc), 9:45-10:45 a. m., Bible lecture; 11-12:30 p. m., church service; 7:45-9:15 p. m., after-service concert.

Monday, March 29

Headliners Today

Eastern	Central	Mountain	Pacific
8 p. m.	7 p. m.	6 p. m.	5 p. m.

WAHG (315.6m-950kc) Syncrophase hour.

8:30	7:30	6:30	5:30

WCOA (222m-1350kc) Coast Artillery band concert.

9	8	7	6

WDAF (365.6m-820kc) Girls' glee club.
WHAZ (379.5m-790kc) Campus serenaders.
WTAG (267.7m-1120kc) Robin Hood hour.

Eastern	Central	Mountain	Pacific
10 p. m.	9 p. m.	8 p. m.	7 p. m.

KTHS (374.8m-800kc) Scotch folk music.
WEAF (491.5m-610kc), WOO, WCAE, WJAR, WCAP, WTAG, Grand opera, "Lakhme."
WJZ (454.3m-660kc) Manhattan quartet.

10:30	9:30	8:30	7:30

WPG (299.8m-1000kc) Galen Hall trio.

12	11	10	9

KFI (467m-640kc) Special features.
WAMD (244m-1230kc) Skyrocket frolic.

Monday, silent night for: CNRA, CNRC, CNRE, CNRM, CNRO, CNRR, CNRT, CNRV, CNRW, KFAU, KFDM, KFEQ, KFMX, KFWA, KHJ, KLDS, KPSN, KUOA, KYW, WBBM, WBCN, WCAD, WCBD, WEAO, WEBH, WEBJ, WEBW, WENR, WGBS, WGES, WGN, WHAS, WHT, WIBO, WIP, WJAZ, WJJD, WKAQ, WLIB, WLS, WMAQ, WMBB, WOAI, WOC, WOK, WORD, WQJ, WRC, WREO.

Eastern Time Stations

CKNC, Toronto, Can. (356.9m-840kc), 8-10 p. m., Little symphony orchestra; Elsie White, soprano; Elsie Addison, contralto; Lawrence DeFoe, tenor.

KDKA, Pittsburgh, Pa. (309.1m-970kc), 6:30 p. m., dinner concert; 9, Ruud light opera.

PWX, Havana, Cuba (400m-750kc), 8:30-9:15 p. m., Westinghouse dance music; 9:15-9:25, for Spanish fans; 9:25-10:10, musical program; 10:20-11, Westinghouse dance music.

WAHG, Richmond Hill, N. Y. (315.6m-954kc), 7:30 p. m., Walter A. Iooss, novelty pianist; 7:45, Jean Dodds, soprano; 8, Synchrophase hour; 9:25, John DeBueris clarinet trio; Vito Menella, baritone; 10:02, Bartelo Sabatini, Italian operatic baritone; 10:20, Joe Zimmerman's orchestra; 12, Queens Melody Boys.

WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., dinner program; 7:30-8, organ concert, Frederick Weaver, organist; 8-9, Louise Schroeder, soprano; Eva Hipp, pianist; Mildred Penn, pianist, Gordon Phillips, tenor; Abram Moses, violinist; Conner Turner, baritone; 9:10-10, musical program.

WBBR, New York, N. Y. (272.6m-1100kc), 8 p. m., Irene Kleinpeter, soprano; vocal duets, Irene Kleinpeter and Fred Twaroschk.

WBZ, Springfield, Mass. (333.1m-900kc), 6:30 p. m., Hotel Lenox ensemble; 7:30, organ recital; 8, Capitol theater orchestra; 10:03, Leo Reisman's Hotel Brunswick orchestra.

WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert; 8, studio concert; 9, studio program; 10, WEAF; 11, Ralph Harrison's Midnight Sons.

WCAP, Washington, D. C. (468.5m-640kc), 7-11 p. m., studio program; WEAF.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30 p. m., recital, N. Snellenburg and Co.; 8, the Hood Boys; 8:15, recital; 10:30, Parodians dance orchestra from Club Cadix.

WEAF, New York, N. Y. (491.5m-610kc), 6 p. m., Hotel Waldorf-Astoria; 7:20, Leo F. Bartunique, baritone; 8, pop concert, WOO; 9, A. and P. Gypsies, WEEI, WCAP, WWJ, WJAR, WOO; 10, "Lakhme," WEAF grand opera company, WOO, WCAE, WJAR, WCAP, WTAG; 11-12, Ben Bernie and orchestra.

WEEI, Boston, Mass. (348.6m-860kc), 6:13 p. m., Joe Rines and his Hunters' Cabin orchestra; 7:30, Black Iron Shiners; 8:15, musicale; 8:45, WEAF; 9, WEAF.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra.

WGBS, New York, N. Y. (315.6m-950kc), 6 p. m., Uncle Geebee; 6:30, Imperial Russian Balalaika orchestra.

WGCP, New York, N. Y. (252m-1190kc), 3 p. m., Irving Firstenberg, pianist; 3:45, Le Roy Montesanto, tenor; 4:15, Uncle Robert's Pals; 5, studio program; 8:30, Mac and Lennie, entertainers; 8:45, studio program; 9:30, studio program; 10, Stirckland's orchestra; 10:30, China Royal orchestra.

WGHB, Clearwater, Florida (266m-1130kc), 6:30-7:30 p. m., Lakewood Terraces orchestra; 8:30-10, program, Lakewood Terrace.

WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., Maxine dance orchestra; 8, Clayton Fattey's Roycroft orchestra; 9, program by Wheat's division, General Ice Cream Co.; 10, Shakesperean society; 10:30, Florence Ann Reid, contralto; 11, Vincent Lopez Hotel Statler dance orchestra.

WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., Hotel Van Curler orchestra; 7:45, General Electric band.

WHAR, Atlantic City, N. J. (275m-1090kc), 2 p. m., Seaside hotel trio; 8, concert; 11, Follies Bergere dance orchestra.

WHAZ, Troy, N. Y. (379.5m-790kc), 9 p. m., Campus serenaders; 10, R. P. I. glee club concert; 11, Students' symphony orchestra.

WHN, New York, N. Y. (361.2m-380kc), 6 p. m., people's hour; 7, music; 7:30, Joe Ward's Swanee entertainers; 8:05, Roseland dance orchestra; 8:30, surprise; 9, Loew's New York orchestra; 10:30, Leroy Smith's orchestra; 11, Cotton club orchestra; 11:30, Silver Slipper orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra.

WJAR, Providence, R. I. (305.9m-500kc), 7:45 p. m., Providence Dairy Grade "A" entertainers; 8:15, musical program; 9, WEAF; 10, WEAF.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Petite symphony orchestra; 7:15, entertainers; 7:45, Goodwill Oakland; 9, Paige and Jewett Sixes; 11:30, Jewett Radio Jesters.

WJZ, New York, N. Y. (454.3m-660kc), 7 p. m., Hotel Commodore dinner concert; 7:55, John B. Kennedy; 8, Astor Coffee orchestra; 10, Manhattan male quartet; 10:30, musical program.

WLIT, Philadelphia, Pa. (394.5m-760kc), 8:15 p. m., recital; 9, Stanley theater hour of music; 10, Arcadia cafe dance orchestra; 10:30, vaudeville features, Fay's Knickerbocker theater; 10:45, El Patio dance orchestra.

WMAK, Buffalo, N. Y. (265.3m-1130kc), 7:30-8:30 p. m., Murray Whiteman and his serenaders; 8:30-9, musicale; 9-10, Philco serenaders; 10-11, Beaver Products company.

WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Hotel McAlpin string ensemble; 6:30, Hotel McAlpin orchestra; 7:30, Kurtz Karnival Kings; 10:30, Parody orchestra; 11:30, Jack Denny's orchestra; 12, McAlpin entertainers.

WNYC, New York, N. Y. (526m-570kc), 6:20 p. m., piano selections; 7:35, songs; 8-10, recital talk, Herman Neuman, assisting artists; 10:35, Richmond Versatile orchestra.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Sylvania dance orchestra; 8-11, WEAF; 11, Adelphia dance orchestra.

WOR, Newark, N. J. (405.2m-740kc), 6:30 p. m., Jacques Jacobs' Hotel Shelton ensemble; 7:30, George Tcherbaus' Katinka orchestra; 8:30, Al Reid's hour; 9:45, Spanish program, orchestra; Algandca Becea, Spanish Consul, speaker.

WPG, Atlantic City, N. J. (299.8m-1000kc), 6:45 p. m., organ recital, Arthur Scott Brook; 7, Hotel Morton dinner music; 8:10, Shore Fast Line male quartet; 9, Hotel Ambassador concert; 9:30, Million Dollar Pier orchestra; 10, band concert, Al-Time Grotto; 10:30, Galen Hall trio; 11, Eddie McKnight's orchestra.

WRVA, Richmond, Va. (256.3m-1170kc), 8:15 p. m., State Teachers' college glee club; 9:10, State Teachers' college glee club; 9:45, Arion orchestra.

WTAG, Worcester, Mass. (267.7m-1120kc), 6-7 p. m., dinner music, WTAG orchestra; 8:30-9, "Broad and Long"; 9-10, Robin Hood hour of music; 10-11, WEAF.

WTAM, Cleveland, Ohio (389.4m-770kc), 6-7 p. m., Hotel Hollenden orchestra; 9-11, "Near a Duchess," Willard symphony; 11-12, Austin Wylie's Vocalion Recording orchestra; 12-1 a. m., Royal Canadians.

WTIC, Hartford, Conn. (475.9m-630kc), 6:50 p. m., Hub trio; 8:30, Capitol theater orchestra; 9, Dody Krivitz; 9:15, J. W. Krich and Mildred Zigmont; 9:30, Hotel Bond orchestra; 10:30, Travelers symphonic ensemble.

WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 8, Detroit News orchestra; 9, WEAF.

DARTMOUTH PLAYERS APPEAR AT WBZ

Monday, March 29

Central Time Stations

KFAB, Lincoln, Nebr. (340.7m-1000kc), 8:30-10:30 p. m., staff artists.

KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., concert, Henry Field Seed company.

KFRU, Columbia, Mo. (499.7m-600kc), 6:15 p. m., dinner music.

KMA, Shenandoah, Iowa (252m-1190kc), 6-7 p. m., popular music; 9-11, Farnham trio; Grady and Doc.

KMOX, St. Louis, Mo. (280.2m-1070kc), 6 p. m., organ recital, Arthur Utt; 6:30, Mrs. Jaques Landree, organist; 7, orchestra, "Buster Brown"; 8, orchestra; Katherine Eicher, contralto; 9, Oscar Blanke, tenor; 10, popular dance music.

KPRC, Houston, Tex. (296.9m-1010kc), 7:30 p. m., Malon Gunn's orchestra; 8:30, Humble Oil and Refining company band.

KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., program; 8, concert, West Presbyterian church.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9-9:40 p. m., Scotch Highland folk music, ensemble; 9:45-10:45, Pooley hour, Rainbow Garden; 10:45-11, Lon Chassy, violinist; John G. Heyn, pianist; 11-12, Firestone frolic.

KUOA, Fayetteville, Ark. (299.8m-1000kc), 8 p. m., Lambda Chi orchestra.

KYW, Chicago, Ill. (536m-560kc), 6-6:30 p. m., dinner music; 6:30-7, Congress hotel dinner concert.

WAMD, Minneapolis, Minn. (244m-1230kc), 6 p. m., WAMD Boys' A. C.; 7:01, Garrick symphony orchestra; 7:15, special program; 11, Skyrocket frolic.

WBAP, Fort Worth, Texas (475.9m-630kc), 6-6:30 p. m., dinner music; 7:30, organ concert; 9:30, Ward's "Trail Blazers"; 11, Fort Worth club orchestra.

WCAL, Northfield, Minn. (336.9m-890kc), 8:30 p. m., Norwegian program.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6:15 p. m., St. Paul hotel orchestra; 8, University of Minnesota program; 9, classical concert.

WCOA, Pensacola, Fla. (222m-1350kc), 7 p. m., Army night.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., Trianon ensemble, 8-9:30, girls' glee club, Baker university; 11:45-1 a. m., Nighthawk frolic.

WEMC, Berrien Springs, Mich. (285.5m-1050kc), 8:15 p. m., Radio Lighthouse music makers; Dulciano string trio; Rhea Yeager, cellist.

WGST, Atlanta, Ga. (270m-1110kc), 9-10 p. m., Howard McClave, violinist; T. G. Reddy, guitar.

WHAD, Milwaukee, Wis. (275m-1090kc), 6:15-7 p. m., Bill Bening's Milwaukee Athletic club orchestra; 8:30-10, Wisconsin theater revue.

WHB, Kansas City, Mo. (365.6m-820kc), 7-8 p. m., popular dance program.

WHO, Des Moines, Iowa (526m-570kc), 7:30-9 p. m., Paul Stoye, pianist and composer; Joseph Gifford; Dorothy Dinsmore, violinist; Myrtle Williams, soprano; 11-12, organ recital, Capitol theater.

WKRC, Cincinnati, Ohio (325.9m-920kc), 6 p. m., Alvin Roehr and his Hotel Alms orchestra; 8, popular song hour; 9, program, American Legion; 12, Kodel midnight frolic; 12:30 a. m., Wesley Helvey's Troubadours.

WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., Robert Visconti's Hotel Gibson orchestra; 8, Cincinnati Times-Star orchestra; Howard Hafford, soloist; 10, dance music, Castle Farm.

WOAW, Omaha, Nebr. (526m-570kc), 6:20 p. m., popular songs; Frank Peterson, tenor; Helen Higgins, pianist; 6:50, Randall's Royal Fontenelle orchestra; 9, classical.

WOOD, Grand Rapids, Mich. (242m-1240kc), 10-11 p. m., Mills-Wetzel presentation; WOOD ensemble; 11-1 a. m., Merle Compton and his orchestra.

WOS, Jefferson City, Mo. (440.9m-680kc), 8:10 p. m., Easter program, Christian college.

WSAI, Cincinnati, Ohio (325.9m-920kc), 10 p. m., Cincinnati community program; songs, Marjorie Lamkin.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., program, Mrs. Lamar Walker; 10:45, Vick Myers' orchestra.

WSM, Nashville, Tenn. (282.8m-1060kc), 6:30 p. m., Francis Craig's orchestra; 8, program; 10, Vito Pelletieri's orchestra.

WSOE, Milwaukee, Wis. (245.8m-1220kc), 8 p. m., "Passion Week" service, M. E. church; 9, John Swinieke and his Manhattan Beach orchestra; "Candygram" entertainers.

WSUI, Iowa City, Iowa (483.6m-620kc), 8:30 p. m., musical program.

Mountain Time Stations

CFAC, Calgary, Can. (435.8m-688kc), 9 p. m., ladies' concert trio.

KFXF, Colorado Springs, Colo. (250m-1200kc), 8:30 p. m., Ida Blackman, soprano; Cecil E. Rodgers, tenor; Verda McCleary.

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra; 8:30, KOA orchestra; 9:30, instrumental program; Olinger Highlander Boys' First band.

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 5:30 p. m., Owen Fallon's Californians; 6:30, vest pocket program, 7-8, old-time songs of the West, Guzmann string trio, Jean Hayden, soprano; 8-9, Packard Eight dance orchestra; 9-10, program, Walter M. Murphy Motors company, Pryor Moore concert orchestra; Gilda Marchetti, soprano; 10-11, Meiklejohn Brothers.

KFON, Long Beach, Calif. (232.4m-1280kc), 6-6:30 p. m., Brayton's theater organ; 7-8, The Club orchestra; 8-9, Press-Telegram program from Municipal auditorium; 9-11, studio programs.

KFWB, Hollywood, Calif. (252m-1190kc), 7:30-8 p. m., program, Dr. Ralph Mitchell and the Associated Dentists; 8-9, Corduroy Tire orchestra; Sunburnt Jim and his ukulele; Peggy Mathews, blues singer; 9-10, program, Star Motor Car company, Million Dollar Four orchestra, Bill Blake, tenor; 10-11, Warner Brothers' frolic.

KGO, Oakland, Calif. (361.2m-830kc), 6-6:55 p. m., twilight concert; 8, Arion trio; Margaret Avery, cellist; Joyce Holloway Barthelson, pianist; 9:15, Josephine Holub, violinist; 9:30, Arion trio.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-9, concert; 9-10, concert.

KJR, Seattle, Wash. (384.4m-780kc), 7-8:30, Mendelssohn trio; 8:30-10, studio program.

KMTR, Hollywood, Calif. (238m-1260kc), 7:15 p. m., Y. M. C. A. musical program; 8-10, KMTR concert orchestra; Roscoe Bell, tenor; 10-11, Starr Piano company studio.

KNX, Hollywood, Calif. (336.9m-890kc), 5:30 p. m., Leighton's cafeteria orchestra; 6:30-7, Atwater Kent orchestra; 7-7:30, Mutual Motors mirth contest; 7:30-8, program, Overell's Furniture company; 8-9, program, L. W. Stockwell company; 9-10, Glassmobile minstrels; 10-11, Silvertown Cord dance orchestra; 11-12, Ray West's Cocoanut Grove dance orchestra.

KOWW, Walla Walla, Wash. (256.3m-1170kc), 8-10 p. m., studio program; 10-11, Jensen's Varsity Vagabonds program.

KPO, San Francisco, Calif. (428.3m-1000kc), 6:30-7 p. m., States restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel orchestra; 8-9, organ, Uda Waldrop; 9-10, KFI program; 10-11, Cabiria cafe dance orchestra; 11-12, Henry Halstead's dance orchestra.

KTAB, Oakland, Calif. (239.9m-1250kc), 8-10 p. m., program.

KWSC, Pullman, Wash. (348.6m-860kc), 7:30-9 p. m., vocal numbers, Mrs. B. L. Robinson; Marion DeCoursey, pianist; Margarite McLachlan, violinist.

Tuesday, March 30

Headliners Today

Eastern	Central	Mountain	Pacific
7:30 p. m.	6:30 p. m.	5:30 p. m.	4:30 p. m.

WJZ (454.3m-660kc), WRC, WGY, U. S. Marine band.
8 7 6 5

WBZ (333.1m-900kc) Excerpts, "Oblio," unknown opera.
9 8 7 6

WBAL (245.8m-1220kc) Naval Academy band.

WHB (365.6m-820kc) Feature, Shrine serenaders.
9:30 8:30 7:30 6:30

KFWA (260.7m-1150kc) Anniversary program.
10 9 8 7

KFI (467m-640kc) American Hawaiian quartet.
10:30 9:30 8:30 7:30

KOA (322.4m-930kc) "A Step on the Stairs," mystery serial.

KTHS (374.8m-800kc) Old-time fiddlers.
11 10 9 8

KGO (361.2m-830kc) Eveready hour.
11:30 10:30 9:30 8:30

WOC (483.6m-620kc) Little Jack Little.
1 a. m. 12 11 10

KNX (336.9m-890kc) Movie night.

Tuesday, silent night for: CFCA, CHIC, CKNC, CKY, CNRC, CNRE, CNRM, CNRO, CNRW, CNRT, KFKX, KFKU, KUOA, KFUO, KFWA, KYX, KOA, KOAC, KOB, KOWW, KUOM, KTAB, KWSC, WABQ, WAHG, WAMD, WBBR, WCAD, WCAL, WCAP, WEMC, WGCP, WGST, WHAD, WHAZ, WJAD, WJAZ, WKAF, WKAQ, WLWL, WMAK, WMAZ, WOI, WOS, WRVA, WSMB, WSUI, WTAM, WTIC.

Eastern Time Stations

CNRA, Moncton, Can. (291.1m-1080kc), 8 p. m., Moncton Firemen's band; 10, CNRA orchestra.

KDKA, Pittsburgh, Pa. (309.1m-970kc), 6:30 p. m., dinner concert; 8:30, sacred song half-hour; 9, Polyphonic choir; 11:35, concert, Grand theater.

PWX, Havana, Cuba (400m-750kc), 8:30-9:15 p. m., G. E. concert; 9:25-10:10, dance music; 10:20-11, G. E. concert.

WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., dinner program; 7:30-8, WBAL quartet; 8-9, musical program; Celia Brace, violinist; George Bolek, pianist; James Wilkinson, baritone; 9-10, band concert, U. S. Naval Academy band.

WBZ, Springfield, Mass. (333.1m-900kc), 6:45 p. m., Hotel Lenox ensemble; 7:15, Hotel Kimball orchestra; 8, "Oblio," Mrs. E. B. Heywood, soprano; Beatrice Fairbanks, contralto; March Thatcher, tenor; O. Lester Stockwell, bass; Daniel Devens, baritone; Rupert Henry Whitcomb, pianist; 8:45, Max Zides, ukulele player; Kathleen E. Delehanty, pianist; 10:03, WBZ Radio movie club.

WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert; 8-10, WEAF; 11, Kenyon theater.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30 p. m., Snellenburg choral society; 8:15, the Three Brothers; 8:25, theater digest; 8:35, recital, Virginia Klein, pianist; 9, Malis' Merry minstrels; 9, Robert Fraser, blind Gospel singer; 10, Sam Gold, murmuring baritone; 10:30, Cathay Tea Garden dance orchestra.

WEAF, New York, N. Y. (491.5m-610kc), 6 p. m., dinner music, Hotel Waldorf-Astoria; 6:45, poetry; 7, Louis Caton, tenor; 7:30, a half hour with American composers; 8, program; 8:30, Gold Dust Twins, WEEI, WFI, WCAE, WGR, WWJ, WOC, WJAR, WCCO, WLIB, WEAR, KSD; 9, Eveready hour, WEEI, WFI, WCAE, WGR, WWJ, WOC, KSD, WJAR, WCCO, WTAG, WGN, WEAR, WSAI; 10, Radio auction bridge game, WEEI, WFI, WGR, WCCO, WSAI, WOC, WWJ; 10:30, Vincent Lopez and orchestra, WEEI, WFI, WWJ, WGR, KSD, WCAE, WEAR, WTAG; 11-12, Ross Gorman and orchestra.

WEBJ, New York, N. Y. (272.6m-1100kc), 7 p. m., University society orchestra, direction J. V. Sullivan; 7:45, Sara V. Turits, soprano; 8:15, Blanch and Hugh Ramsauer, duets; 8:30, Jack Gall, pianist; 8:45, Rudolph Joskowitz, violinist.

WEEI, Boston, Mass. (348.6m-860kc), 6:15 p. m., musicale; 7:30, musical review; 8-10, WEAF; 10, musicale; 10:30, WEAF.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra; 8-11:30, WEAF.

WGBS, New York, N. Y. (315.6m-950kc), 7 p. m., Arrowhead Inn concert orchestra; 8, Y. M. H. A. vocational forum; 8:30, Threshold players; 9, Crystal Palace orchestra; 10:30, Arrowhead Inn orchestra.

WGCP, New York, N. Y. (252m-1190kc), 3 p. m., Ora Welsh, pianist; 3:30, Isabelle Henderson, soprano; 3:45, Twentieth Century entertainers; 4:10, Max Heitt, violinist; 4:20, Katherine Adolph, soprano; 4:30, Leslie McLeod, tenor; 4:45, Ukulele Bob McDonald.

WGHB, Clearwater, Florida (266m-1130kc), 6:30-7:30 p. m., Crocker and his Gater orchestra; 7:30-8, Caroline Lee and her Spanish guitar; 8:30-9:30, Bill Ewin and L. W. Joys "The Realtroubadores"; Florence Arlin, concert soprano; 11:45-1 a. m., WGHB.

WGR, Buffalo, N. Y. (319m-940kc), 6:30, p. m., Vincent Lopez Hotel Statler dance orchestra; 8:30, WEAF.

WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., Hotel Van Curler orchestra; 7:30, WRC; 9, WGY orchestra; 10:30, Bellinger's society dance orchestra.

WHAR, Atlantic City, N. J. (275m-1090kc), 8 p. m., Seaside hotel concert trio; 9, concert.

WHN, New York, N. Y. (361.2m-380kc), 6 p. m., Treasureland Neighbors; 6:30, Everglades orchestra; 7, Iceland orchestra; 7:30, Will Oakland's Chateau; 8, people's hour; 9, Loew's Eighty-third Street orchestra; 9:30, Billy Gleason and entertainers; 11:30, Al Raymo's entertainers; 12, Harry Richman and entertainers.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:15 p. m., Nelson Maples, and his S. S. Leviathan orchestra; 8:15, "Olivet to Calvary" Maunder's Oratorio Senior Choir of Siloam M. E. church; 9:15, features, Penn Athletic club; 10:30, Pagoda cafe orchestra.

WJAR, Providence, R. I. (305.9m-500kc), 7:30 p. m., musical program; 8:05, Madge H. O'Rourke, soprano; 8:30, WEAF; 9, WEAF.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., old-time dance orchestra; 7, Tom Bartel's Boys; 9, orchestra.

WJZ, New York, N. Y. (454.3m-660kc), 7:15 p. m., Helen Davis, banjoist; Sidney Keppell, pianist; 7:30, WRC; 8:30, The Deltah half hour of romance, WGY; 10, "Devonshire and Cornwall"; 10:30, William Ballyn, sea songs; 10:45, George Olsen's Hotel Pennsylvania grill orchestra.

WLWL, New York, N. Y. (288.3m-1040kc), 9:30 p. m., Premier male quartet; 10:15, Premier male quartet.

WMAK, Buffalo, N. Y. (265.3m-1130kc), 6:15-7:15 p. m., Hotel Lafayette orchestra.

Whittall Anglo Persians Orchestra, heard through WEAF and thirteen other stations, Friday evenings at 10 p. m. Eastern time, is under the successful leadership of Louis Katzman, above. To the left is Homer Grunn, one of America's foremost composers and pianists, who plays frequently at KHJ, Los Angeles.

High Lights of the Week

ALTHOUGH the aroma of resin will be absent, those tuned in on WIP, Philadelphia, Saturday night will have ringside seats when the amateur leather pushers exchange blows for the Junior National Boxing championships.

Martha Attwood, who has appeared in all the large opera houses in Europe and who last winter gave a special concert for ex-Queen Sophie of Greece, will be one of the artists to appear during WBAL's third Sunday evening artists' program. With her is appearing Oliver Denton, a brilliant young pianist who has also made a name for himself abroad. The Atwater Kent stars of the evening are Richard Bonelli, baritone, and Helen Stanley, soprano. One Sunday feature which should not be forgotten is the production of "The Dancing Princess" by the Dartmouth players at WBZ.

Among the Monday features are the Scotch folk music at KTHS which reveals the simple spirit of the Scotch peasant, the sophisticated modern jazz music of the Manhattan quartet at WJZ and the college songs of the WHAZ Campus serenaders.

There is not a trick left for the banjo or guitar player when the Ararat Temple Shrine serenaders get through with a program at WHB, Kansas City. Their return engagement for this week is scheduled for Tuesday. This is a headliner no fan should miss.

One of the "Radio Franks" who appeared frequently at WEAF, WJZ and WJY, has left the little circle to tour stations in the United States and Canada. This Frank's last name is Wright and he will begin his travels at WSAI on Wednesday.

Thursday is April 1 and one station, WLW, plans an hour of April Foolishness. The other stations do not mention special programs for this day but fans should be on the lookout for practical jokes over loudspeakers.

Many stations have planned to give the oratorio "Seven Last Words" on Good Friday. Among these is WTIC, Hartford. KGO will also give "The Darkest Hour." An Easter play "The Boy Who Discovered Easter" is the day's feature at WGY.

GOOD FRIDAY CANTATAS TO BE SU

CLASSICAL CONCERTS INDEX

Saturday, March 27

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.
WCX, WEAF, WMCA, WREO.			
7	6	5	4
KGO, KYW, WEAR, WENR, WMAQ, WOAW, WOK, WRC.			
8	7	6	5
KDKA, KFNF, KOIL, KSD, KYW, WBBR, WGN, WMBB, WNYC, WOAW, WQJ.			
9	8	7	6
KFOA, KPRC, KHJ, KYW, WHAS, WIP, WLW, WORD, WSAI, WSOE.			
10	9	8	7
KNX, KYW, WEAF, WMAQ, WMC, WOAW, WOC, WORD.			
11	10	9	8
KGO.			
12 m	11	10	9
WOAW.			

Sunday, March 28

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.
WCAU.			
7:20	6:20	5:20	4:20
WCAE, WCAU, WEAF, WEAR, WEEI, WJAR, WTAG, WWJ.			
8	7	6	5
KYW, WAMD, WBZ, WEAR, WGBS, WGCP, WKAQ, WLS, WORD.			
9	8	7	6
KFDM, KPRC, KSD, WBZ, WCAU, WCBD, WCCO, WEAR, WGY, WHAR, WHT, WNYC, WQJ.			
9:15	8:15	7:15	6:15
WEEI, WJAR, WTAG.			
10	9	8	7
KHJ, KNX, KTHS, KYW, WCCO, WFAA, WNYC, WOC, WQJ, WSOE.			
11	10	9	8
KFVE, KHJ, KNX, KPO, KTHS, KYW, WHN, WKRC, WOC.			
12 m	11	10	9
KHJ, KNX, WOC.			
1 a. m.	12 m	11	10
KNX.			

Monday, March 29

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.
KGO, WCX, WEAF, WMCA, WREO, WWJ.			
7	6	5	4
KMA, WCCO, WEAF, WEAR, WHAD, WJR, WOAW, WOK.			
8	7	6	5
KFNF, KSD, WBBR, WBZ, WCAU, WCX, WHAR, WHT, WJAR, WLW, WMBB, WTAG, WTIC.			
9	8	7	6
KFOA, KGO, KHJ, KPRC, WBBR, WCCO, WBZ, WCAE, WEEI, WHAD, WHO, WJAR, WLW, WORD, WOS.			
10	9	8	7
KMA, KPO, KPRC, KSD, KTHS, WAMD, WCCO, WEAF, WHAD, WJAR, WOAW, WSUI, WTAG.			
11	10	9	8
KGW, KHJ, KMA, KSD, KTHS, KWSC, WHN, WSAI.			
12 m	11	10	9
KGW, WBAP, WSAI.			
1 a. m.	12 m	11	10
KHJ.			

Tuesday, March 30

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.
WBZ, WCX, WEAF, WMCA, WREO, WWJ.			
7	6	5	4
KGO, KMA, WEAR, WEBJ, WGBS, WHAD, WJR, WMAQ, WOAW, WOK, WOR, WTIC, WWJ.			
8	7	6	5
KFNF, KSD, KYW, WBZ, WCAE, WCAU, WCX, WEAR, WEEI, WGR, WHAR, WHT, WLS, WMBB, WQJ, WRC, WTIC.			
9	8	7	6
KFDM, KFNF, KFOA, KGO, KHJ, KSD, KYW, WBAP, WBZ, WCAU, WDAF, WEEI, WHAD, WJAR, WMAQ, WMCA, WSAI.			
10	9	8	7
KFAB, KFDM, KOA, WCCO, WHAD, WMAQ,			
11	10	9	8
KFMX, KHJ, KNX, KPO.			
12 m	11	10	9
KPO.			

Wednesday, March 31

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.
WCX, WEAF, WMCA, WREO, WWJ.			
7	6	5	4
KGO, WEAR, WHAD, WJR, WMAQ, WOK, WTIC.			
8	7	6	5
KFNF, KPRC, KSD, KYW, WAMD, WBZ, WCX, WEAF, WEEI, WHT, WLW, WMBB, WMCA, WQJ, WTAG, WWJ.			
9	8	7	6
KFOA, KGO, KPRC, KSD, KYW, WBZ, WCCO, WDAF, WEEI, WGR, WHAD, WHAS, WJAR, WMAQ, WOR, WOS, WORD.			
10	9	8	7
KFMX, KMA, KNX, KTHS, WAMD, WCCO, WEAF, WEEI, WGR, WHAD, WJAR, WLS, WMAQ, WNYC, WOC, WSOE.			
11	10	9	8
KGO, KGW, KMA, KPO, KTHS, WCAE, WLS, WLW, WOC, WSAI.			
12 m	11	10	9
KGW, KPO, WHAD, WLW.			
1 a. m.	12 m	11	10
WLW.			

Thursday, April 1

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.
WBZ, WCX, WEAF, WIP, WMCA, WREO, WWJ.			
7	6	5	4
KGO, KSD, WEAF, WEAR, WGBS, WHAD, WJR, WMAQ, WOAW, WOK, WWJ.			
8	7	6	5
KYW, WBBR, WBZ, WCAU, WCCO, WCX, WEAR, WEEI, WGR, WGY, WHAR, WHT, WLS, WLW, WMBB, WOAW, WQJ, WTAG, WTIC.			
9	8	7	6
KHJ, KLDS, WBAP, WCAE, WCAU, WCBD, WCCO, WEAF, WEEI, WGR, WHAR, WHAS, WJAR, WNYC, WOC, WORD, WRC, WSAI, WSB, WTAG.			
10	9	8	7
KNX, KPRC, KTHS, KYW, WAMD, WGR, WGY, WHAD, WMC, WOAW, WOC, WSAI.			
11	10	9	8
KGO, KPO, KTHS, WBAP, WKRC.			
12 m	11	10	9
KGW, KPO, WHO, WKRC.			

Friday, April 2

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.
KGO, WCX, WMCA, WREO, WWJ.			
7	6	5	4
KGO, WEBJ, WGY, WHAD, WJR, WMAQ, WOAW, WOK, WOR, WTIC.			
8	7	6	5
KYW, WAHG, WAMD, WBZ, WCAU, WCX, WEBJ, WEEI, WHT, WLS, WQJ, WWJ.			
9	8	7	6
KFDM, KFNF, KFOA, KGO, KHJ, KSD, KYW, WBAP, WBZ, WCAU, WDAF, WEEI, WHAD, WJAR, WMAQ, WMCA, WSAI.			
10	9	8	7
KFAB, KFDM, KOA, WCCO, WHAD, WMAQ,			
11	10	9	8
KFMX, KHJ, KNX, KPO.			
12 m	11	10	9
KPO.			

Tuesday, March 30

WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Hotel McAlpin string ensemble; 6:30, Parody orchestra; 7, Twin Oaks orchestra; 7:15, Arthur West's Sirens; 8, Pace institute program; 8:30, Poslam Hawaiians; 10, Creole Follies; 10:30, Tango orchestra; 11, Ernie Golden and Hotel McAlpin orchestra; 12, McAlpin entertainers.

WNYC, New York, N. Y. (526m-570kc), 7:10 p. m., The Canadians; 7:35, The Canadians; 8, studio features.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Adelphia French Room orchestra.

WOR, Newark, N. J. (405.2m-740kc), 6:45 p. m., studio program; 7:15, Copenhagen quartet.

WPG, Atlantic City, N. J. (299.8m-1000kc), 6:45 p. m., organ recital, Arthur Scott Brook; 7, Hotel Morton dinner music; 7:30, Elks Home dinner music; 8:15, Plaza hotel artists; 8:45, Spanish program; Estelle Newman, reader; Rose Newman, soprano; Anassay Bank, dancer; 9, Chalfonte-Haddon Hall dual trio; 10, Hotel Traymore Grill orchestra; 10:30, Karl Bonawitz, recital; 11, Silver Slipper Supper club orchestra.

WRC, Washington, D. C. (468.5m-640kc), 7:30 p. m., U. S. Marine band orchestra, WJZ, WGY; 10:30, W. Spencer and his Hotel Mayflower orchestra.

WTAG, Worcester, Mass. (267.7m-1120kc), 8-9 p. m., concert; 9-10, WEAF; 10:30-11, WEAF.

WTAM, Cleveland, Ohio (389.4m-770kc), 6-7 p. m., Royal Canadians.

WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 8, WEAF.

Central Time Stations

KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., concert.

KFRU, Columbia, Mo. (499.7m-600kc), 6:15 p. m., dinner music.

KLDS, Independence, Mo. (440.9m-680kc), 8:15 p. m., sextet; 8:30, concert, Mrs. Otto Grosse, contralto; Mrs. Melvin Shearer, organist; Dorothy Colt, violinist; Joyce Andrews, violinist.

KMA, Shenandoah, Iowa (252m-1190kc), 6-7 p. m., May Flower trio; May's Flower Lady, Lina Ferguson; 9-11, May's mandolin musicians.

KMOX, St. Louis, Mo. (280.2m-1070kc), 6 p. m., organ recital, Arthur Utt; 6:30, organ recital, Mrs. Jaques Landree; 7, orchestra; Little Red School House; Stuart MacConnell, baritone; 8, David Cohen, baritone; orchestra; Xenia quartet; 9, duets, sopranos, contralto, Mrs. J. Symons,, Mrs. A. Lawson; 10, popular dance music.

KPRC, Houston, Texas (296.9m-1010kc), 7:30 p. m., Skyline studio concert.

KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., WEAF.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9-9:30 p. m., variety program, Eastman hotel orchestra; 9:30-10:15, O. V. Holbrook and his old-time fiddlers; 10:15-10:30, classical selections, Elizabeth Bowe, pianist; 10:30-11:15, dance concert, New Arlington hotel orchestra.

KUOA, Fayetteville, Ark. (299.8m-1000kc), 8 p. m., Phi Mu Alpha music fraternity.

KYW, Chicago, Ill. (536m-560kc), 6-6:30 p. m., dinner music; 6:30-7, Congress hotel dinner concert; 8-9, musical program, Congress hotel; 9, an hour of music; 10-11, evening at home program; 12-1 a. m., Insomnia club.

WBAP, Fort Worth, Texas (475.9m-630kc), 6 p. m., dinner music; 7:30, Odd Fellows; 9:30, Kentucky club.

WCBD, Zion, Ill. (344.6m-870kc), 8 p. m., Zion choir; clarinet quartet.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 7-9:30 p. m., WEAF; 10:05, "A Step on the Stairs."

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., the Trianon ensemble; 11:45, Nighthawk frolic.

WGBF, Evansville, Ind. (236.1m-1270kc), 8 p. m., Evansville Journal program; musicale.

WGES, Oak Park, Ill. (250m-1200kc), 8-9 p. m., classical concert; 11-1, frolic.

WGN, Chicago, Ill. (302.8m-990kc), 6:30-6:45 p. m., Drake concert ensemble, Blackstone string quintet; 6:45, old-time favorites; 6:55-7, "The Million Sing"; 8-9, WEAF; 9-10, studio program; 10-10:10, Sam 'n' Henry; 10:10, old-time favorites; 10:20, play shop; 10:40-11, studio ensemble.

WHAD, Milwaukee, Wis. (275m-1090kc), 6:15-10 p. m., artists' series.

WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., Royal Peacock orchestra; Mrs. Edwin Horn, contralto.

WHB, Kansas City, Mo. (365.6m-820kc), 7-7:45 p. m., dinner concert, Linwood theater; 8-10, feature program, Ararat Temple Shrine serenaders; F. Kammer, tenor guitar; O. Anderson, banjo-mandolinist; H. Copeland, tenor banjo; W. Miller, harp guitarist.

WHO, Des Moines, Iowa (526m-570kc), 7:30-8 p. m., the Raleigh quintet; 8-9, Bedford band; 11-12, the Bankers Life corn sugar orchestra.

WHT, Chicago, Ill. (399.8m-750kc), 12 noon, Al Carney's complimentary organ recital; 6 p. m., dinner organ recital, Al Carney; 6:40, Grayling's string trio; 6:50, Diamond quartet, Loftis; 9:15 (238m-1260kc), Cinderella cafe orchestra; 9:35, Kitchen Klenzer entertainers; 9:50, popular song selections, W. Enlos Simmons, S. W. Henslee.

WIBO, Chicago, Ill. (225.4m-1130kc), 6-8 p. m., dinner concert; Chester Newman, baritone; Bernice Taylor, soprano; Charlotte Edwards, contralto; Eugene Wallenius, baritone; Ruth Buhl Flick, reader; Helen Collar, pianist; string trio; 12, jamboree; Dan Russo, violinist; Ted Fiorito, pianist; songs, artists.

WJAZ, Chicago, Ill. (322.4m-930kc), 9-1 a. m., diversified studio and dance program, Chez Pierre.

WJJD, Mooseheart, Ill. (370.2m-810kc), 12-1 p. m., Palmer House symphonic players; Palmer House trio; 2-3, Howard L. Peterson, organist; 4-5, music, Mooseheart children; 5:30-7, Jack Nelson; Palmer House symphonic players; Palmer House Victorians; Howard L. Peterson, organist; 8-9, children; 10-11, Garod studio; Rushmore ensemble singers; Palmer House Victorians; 12:30 a. m., Knights of the Burning Candle.

WKRC, Cincinnati, Ohio (325.9m-920kc), 10 p. m., Alvin Roehr and his Hotel Alms orchestra; 10:30, organ recital, Eugene Perazzo; 11, Doc Howard's Cuvier-WKRC entertainers; orchestra and male quartet.

WLIB, Chicago, Ill. (302.8m-990kc), 7:30-8 p. m., WEAF; 11-11:20, Correll and Gosden; 11:20-1 a. m., studio ensemble, dance music, harmony duos.

WLS, Chicago, Ill. (344.6m-870kc), 6 p. m., Ford and Glenn; 6:40, Maurie Sherman's College Inn orchestra; 7, lullaby time, Ford and Glenn; 7:15, Maurie Sherman's College Inn orchestra; 7:30-7:55, Henry Purmort Eames in Elgar program.

WLW, Cincinnati, Ohio (422.3m-710kc), 6 p. m., Norrine Gibbons, entertainer and her girl friend; 6:30, Mary Barbara, the marvelous voice of mysterious age; 7:30, piano memories, Mary Louise Woseczek; 8, old-time review, Crosley Burnt Corkers; 9, Formica Symphony orchestra; 10, dance music, Castle Farm.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Hotel LaSalle orchestra; 8, announced; 8:40, musical program; 9:20, program; 9:55, chimes.

WMBB, Chicago, Ill. (250m-1200kc), 7-8 p. m., Trianon ensemble, Genevieve Burnham, operatic soprano; 9-11, orchestra; Joe Warner, character songs; Eddie Matts and Billie Donovan, Oxford girls.

WOAI, San Antonio, Texas (394.5m-760kc), 8:30 p. m., Gebhardt Mexican players.

WOAW, Omaha, Neb. (526m-570kc), 6 p. m., Hugo G. Heyn, xylophonist; Emil B. Hoffman, pianist; 6:50, orchestra; 9, deluxe program; 10:30, Herb Feierman and his orchestra; 12, Rialto theater alarm.

WOC, Davenport, Iowa (483.6m-620kc), 7-7:30 p. m., WEAF; 7:30-8, WEAF; 8-9, WEAF; 9-9:30, WEAF; 10:30-11:30, Hall M. Macklin's orchestra; Little Jack Little.

WOK, Chicago, Ill. (217.3m-1300kc), 4:30-7 p. m., Capitol theater organ; Pat Hoster, tenor; 10-1:30 a. m., dance music; Husk O'Hare's orchestra; Capitol theater program.

WOOD, Grand Rapids, Mich. (242m-1240kc), 9-10 p. m., Roche's Radio stores, presentation; 10-11, Regent Little Symphony orchestra; 11-12, Bill Dallavo and his orchestra.

WORD, Batavia, Ill. (275.1m-1090kc), 7 p. m., program; 9, program; 11-11:45, program.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Ralph Williams and his Rainbo Garden orchestra; Fontella trio; Sheppard Levine, tenor; Leo Miller, violinist, Milton Sherman, pianist; 10-1 a. m., Ralph Williams and his Skylarks; Jerry Sullivan; Rose Vanderbosch, soprano and pianist; Everett Opie, reader; Ila Shannabrook, soprano; Harold Olson, baritone; Romo Vincent, baritone; Tell Taylor, tenor; 1-2, Ginger hour.

WSAI, Cincinnati, Ohio (325.9m-920kc), 5:30 p. m., twilight musicale; 7, Mabley and Carew orchestra; 8, WEAF; 9, WEAF; 9:30, studio concert.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., Lyon and Healy de luxe concert; 10:45, program, Charles Maddox.

WSM, Nashville, Tenn. (282.8m-1060kc), 10 p. m., Beasley Smith's orchestra.

WSOE, Milwaukee, Wis. (245.8m-1220kc), 8 p. m., "Passion Week" service, M. E. church; 9:15, classical musical program.

Mountain Time Stations

CFAC, Calgary, Can. (435.8m-688kc), 8 p. m., studio program.

KFWA, Ogden, Utah (260.7m-1150kc), 6-7 p. m., Scotch Melodies; 7-7:30, male chorus; 7:30-9:30, varied program, Weber Normal college quartet, Leonard Sisters; C. Lewis, soloist; Ed Koller, zither soloist; 9:30-10:30, Kemmerer orchestra; 10:30-11:30, popular banjo, vocal and piano selections, Olie Reeves, Berthana orchestra; Claire Anderson, organist; 11:30-1 a. m., KFWA Junior orchestra.

KFXF, Colorado Springs, Colo. (250m-1200kc), 8:30 p. m., harp soloists.

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra; 8:30, Radio mystery serial, "A Step On the Stairs," KOA players.

Pacific Time Stations

CNRR, Regina, Can. (476m-640kc), 8 p. m., concert.

CNRV, Vancouver, Can. (291.1m-1080kc), 8:30 p. m., McIntyre string quartet; Dories McIntyre, cellist; Alan McIntyre, violinist; Margaret McIntyre, violinist; Mrs. C. McLean, soprano; 10:30, Cabaret Belmont; Bebe Mullar, soprano.

KFI, Los Angeles, Calif. (467m-642kc), 5:30 p. m., Charles Beauchamp, tenor; 7-8, American-Hawaiian quartet; 8-9, Screen Artists string quartet; Jean Hayden, soloist; 9-10, Paul Roberts, Leslie Adams in piano selections; 10-11, Packard Radio club.

KFON, Long Beach, Calif. (232.4m-1280kc), 6-6:30 p. m., Brayton's theater organ; 7-8, Nichols and Warner program; 8-9, Press-Telegram studio; 9-11, Long Beach Aero Club Hi-Jinks.

KFWB, Hollywood, Calif. (252m-1190kc), 8-9, Patrick and Marsh dance orchestra, Betty Patrick, soloist. 9-10, program, Alexandria Tailors; 10-11, Warner Brothers frolic.

KGO, Oakland, Calif. (361.2m-830kc), 6-6:55 p. m., twilight concert; 8-9, Eveready program; Arthur Argiewicz, violinist; Lev Shorr, accompanist; Sierra mixed quartet; 9:10-9:30, Ricketty, Racketty minstrels; 10-12, Girvin-Deuel's California Collegians, dance orchestra.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-10, music, Alicia McElroy quartet; 10-12, dance music.

KHJ, Los Angeles, Calif. (405.2m-740kc), 8-10, program, Builders' Finance association.

KJR, Seattle, Wash. (384.4m-780kc), 8:30-10 p. m., Puget Sound Savings and Loan association orchestra.

KMTR, Hollywood, Calif. (238m-1260kc), 6-7 p. m., Starr Piano company studio; 8-10, KMTR concert orchestra.

KNX, Hollywood, Calif. (336.9m-890kc), 5:30 p. m., Leighton's cafeteria orchestra; 6:30-7, Atwater Kent concert orchestra; 7-7:45, program, Roy L. Donley, Inc.; 8-9, program, Globe Ice Cream and Weber bread; 9-10, program, Western Auto Supply company; 10-12, movie night at the Ambassador, Ray West's Cocoanut Grove dance orchestra.

KPO, San Francisco, Calif. (428.3m-1000kc), 6:30-7 p. m., States restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel orchestra; 8-9, Winifred Curry, pianist; George Bossert, baritone; 9-10, Gypsy and Marta, harmony team; 10-11, Palace hotel dance orchestra; 11-12, Henry Halstead's orchestra.

KPSN, Pasadena, Calif. (315.6m-950kc), 8-9 p. m., Adolf Tandler instrumental group.

KTAB, Oakland, Calif. (239.9m-1250kc), 8-10 p. m., program, Mills college.

Here are the WLW playe
On the Stairs." Left to
Aunt Helen; Barclay Shi
Williams, Frederick Ar
Williams; William Isaac
rises on the next thrilli
ning. Another Radio st
mystery play is Mary H
of the KGO group givin
Helen Stanley, soprano,
Atwater Kent hour

Wednesday, March 31

Headliners Today

Eastern	Central	Mountain	Pacific
8 p. m.	7 p. m.	6 p. m.	5 p. m.
WBZ (333.1m-900kc) Holyoke hour.			
8:30	7:30	6:30	5:30
KDKA (309.1m-970kc) Instrumental quartet.			
WCOA (222m-1350kc) Operatic and popular night.			
9	8	7	6
WDAF (365.6m-820kc) Handel's "Messiah."			
9:15	8:15	7:15	6:15
WEMC (285.5m-1040kc) Hoosier quartet.			
WHO (526m-570kc) Three Harmony Kings.			
9:30	8:30	7:30	6:30
WLW (422.3m-710kc) Clifton Musical club.			
10	9	8	7
KMOX (280.2m-1070kc) Kentucky Mountain songs.			
10:15	9:15	8:15	7:15
KOA (322.4m-930kc) Studio program.			
10:30	9:30	8:30	7:30
KWSC (348.6m-860kc) High School girls' sextet.			
11	10	9	8
KHJ (405.2m-740kc) Program, "The Fraternal Brotherhood."			
WSM (282.8m-1060kc) String quartet.			
11:30	10:30	9:30	8:30
WLW (422.3m-710kc) Crescendon string quartet.			
WOC (483.6m-620kc) Jack Little.			
12	11	10	9
KPRC (296.9m-1010kc) West Coast serenade.			

Wednesday, silent night for: CHIC, CKNC, CNRA, CNRC, CNRE, CNRM, CNRR, CNRT, CNRV, KFAU, KFDM, KFEQ, KFKU, KUOA, KFXF, KGO, KLDS, KMMJ, KOB, KPSN, KTAB, WABQ, WBAL, WBAP, WBBR, WCAD, WCAL, WCBD, WEBW, WFAA, WGBF, WGBS, WGCP, WGST, WHAR, WHAZ, WIP, WJAD, WJAZ, WLWL, WMC, WOAI, WOAW, WOI, WPG, WRC, WREO, WRR.

Eastern Time Stations

CNRO, Ottawa, Can. (435.8m-688kc), 8 p. m., Chateau Laurier concert orchestra; 9, performance of Dr. Hartman's "Seven Last Words of Christ," Hull Choral society; Chateau Laurier dance orchestra.

KDKA, Pittsburgh, Pa. (309.1m-970kc), 6:30 p. m., concert; 8:30, instrumental quartet; Will Rhodes, tenor.

PWX, Havana, Cuba (400m-750kc), 8-9 p. m., City of Havana band; 9:10-10:10, City of Havana band.

WAHG, Richmond Hill, N. Y. (315.6m-954kc), 7:45 p. m., studio program; 8:15, Serenaders plectrum quintet; 9, Raymond Maher, baritone; 9:15, Old Fashioned quartet; 10:02, studio program.

WBZ, Springfield, Mass. (333.1m-900kc), 6:30 p. m., Hotel Kimball orchestra; 6:15, Hotel Lenox ensemble; 7, Hotel Kimball orchestra; 9, WBZ concert company.

NG THIS WEEK AT MANY STATIONS

ving an act from "A Step
t they are: Helen Rose,
Cousin William; Charles
; Virginia Payne, Mary
ary Graves. The curtain
isode this Saturday eve-
appear in this famous
, left, who is a member
serial. To the right is
sings Sunday, during the
the WEAF chain.

dance program; 8:30-9:30, Vlado Kolitsch's string orchestra; 9:45, program.

WOO, Philadelphia, Pa. (508.2m-590kc), 8 p. m., WEAF; 9, talk; 10, Fox theater studio program; 10:30, Sylvania dance orchestra.

WOR, Newark, N. J. (405.2m-740kc), 6:30 p. m., Jacques Jacobs' Hotel Shelton ensemble; 7:30, Zit's Central Park Casino orchestra; 9, Ballin and Race, piano duets.

WRVA, Richmond, Va. (256.3m-1170kc), 8:10 p. m., Toano, Virginia, talent; 9:15, Richmond musical club; 10:30, instrumental trio.

WTAG, Worcester, Mass. (267.7m-1120kc), 6-7 p. m., WTAG dinner orchestra; 8-8:30, WEAF; 8:30-9, WEAF; 9-10, concert announced; 10-11, WEAF.

WTAM, Cleveland, Ohio (389.4m-770kc), 6-7 p. m., Hotel Hollenden orchestra; 8-11, program; 11-1, Guy Lombardo and his Royal Canadians.

WTIC, Hartford, Conn. (475.9m-630kc), 6:30 p. m., Hotel Bond trio; 9:15, piano recital; 9:30, organ recital.

WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 8, News orchestra; 9, dance program; 10, WEAF.

EDUCATIONAL FEATURES

Monday, March 29

Eastern	Central	Mountain	Pacific
6:30 p. m.	5:30 p. m.	4:30 p. m.	3:30 p. m.

WNYC (526m-570kc) German lessons, V. H. Berlitz.

7 6 5 4

WEAF (491.5m-610kc) Columbia university lecture.

WTAG (268m-1120kc) Science Talk, Fred D. Aldrich.

8:15 7:15 6:15 5:15

KDKA (309.1m-970kc) "What Makes a Good Short Story," Percival Hunt.

8:30 7:30 6:30 5:30

WSUI (483.6m-620kc) College of the Air.

8:40 7:40 6:40 5:40

KFKU (275m-1090kc) "Medieval History of the Earth," Dr. R. C. Moore.

9:30 8:30 7:30 6:30

WHAZ (379.5m-790kc) Address, Dr. Matthew A. Hunter.

9:35 8:35 7:35 6:35

KSL (299.8m-1000kc) "The Story of French," Prof. Walter Kerr.

10 9 8 7

KOA (322.4m-930kc) Spanish lesson.

11 10 9 8

KOA (322.4m-930kc) Voice culture.

Tuesday, March 30

Eastern	Central	Mountain	Pacific
7 p. m.	6 p. m.	5 p. m.	4 p. m.

WKAR (285.5m-1050kc) Nature study.

7:10 6:10 5:10 4:10

WEAF (491.5m-610kc) French course.

WRC (468.5m-640kc) Radio school of international relations.

7:30 6:30 5:30 4:30

KSAC (340.7m-880kc) Better speech, etiquette, economics.

WBZ (333.1m-900kc) Journalism, Edward E. Whiting.

WEAO (293.9m-1020kc) "The Menace of Propaganda," Prof. F. E. Lumley.

7:45 6:45 5:45 4:45

WTAG (268m-1120kc) Worcester Tech's Professor.

8:15 7:15 6:15 5:15

KDKA (309.1m-970kc) "Looking Inside the School," Dr. S. B. Davis.

9:05 8:05 7:05 6:05

KFAB (340.7m-880kc) Business English.

WMAQ (447.5m-670kc) lecture, University of Chicago.

Wednesday, March 31

Eastern	Central	Mountain	Pacific
6:30 p. m.	5:30 p. m.	4:30 p. m.	3:30 p. m.

WNYC (526m-570kc) Spanish lesson, V. H. Berlitz.

7:30 6:30 5:30 4:30

WBZ (333.1m-900kc) Radio nature league, Thornton W. Burgess.

WMCA (340.7m-880kc) Spanish lesson.

7:40 6:40 5:40 4:40

WTAG (268m-1120kc) Spanish lesson, Mrs. John de la Parra.

7:45 6:45 5:45 4:45

WJZ (454.3m-660kc) New York University.

Eastern	Central	Mountain	Pacific
8:15 p. m.	7:15 p. m.	6:15 p. m.	5:15 p. m.

WJZ (454.3m-660kc) Zoological society series.

8:30 7:30 6:30 5:30

WEAO (293.9m-1020kc) "Petroleum in Venezuela," E. Z. O'Rourke.

WSUI (483.6m-620kc) College of the Air.

9 8 7 6

WMAQ (447.5m-670kc) lecture, Northwestern university.

WRVA (256.3m-1170kc) talk, Braile Circulating Library.

WTIC (475.9m-630kc) "Public Speaking," Prof. W. E. Peck.

9:35 8:35 7:35 6:35

KSL (299.8m-1000kc) The history of Spanish, Prof. Lawrence Levin.

10:30 9:30 8:30 7:30

KHJ (405.2m-740kc) Astronomy, Dr. Mars Baumgardt.

11 10 9 8

WSAI (325.9m-920kc) U. of Cincinnati.

Thursday, April 1

Eastern	Central	Mountain	Pacific
7 p. m.	6 p. m.	5 p. m.	4 p. m.

WKAR (285.5m-1050kc) Nature Study series.

7:45 6:45 5:45 4:45

WRC (468.5m-640kc) Smithsonian talk.

8:30 7:30 6:30 5:30

WSUI (483.6m-620kc) Correspondence courses.

9 8 7 6

KUOA (299.8m-1000kc) lectures, University Extension.

10 9 8 7

WMAQ (447.5m-670kc) lecture, University of Chicago.

Friday, April 2

Eastern	Central	Mountain	Pacific
6:30 p. m.	5:30 p. m.	4:30 p. m.	3:30 p. m.

WNYC (526m-570kc) French lesson.

7 6 5 4

WKAR (285.5m-1050kc) Nature study series.

7:30 6:30 5:30 4:30

KSAC (340.7m-880kc) Travelogue.

WAHG (315.6m-950kc) Speech culture, Prof. R. E. Mayne.

7:35 6:35 5:35 4:35

WGY (379.5m-790kc) French lesson, Leon A. Huguemont.

7:45 6:45 5:45 4:45

WJZ (454.3m-660kc) New York university.

8 7 6 5

KDKA (309.1m-970kc) University of Pittsburgh address.

WPG (299.8m-1000kc) "Education of Colored Children in Atlantic City," T. Montgomery Gregory.

10 9 8 7

WMAQ (447.5m-670kc) lecture, University of Chicago.

10:15 9:15 8:15 7:15

WTIC (475.9m-630kc) Cartoon lessons, Bud Kingston.

10:35 9:35 8:35 7:35

KSL (299.8m-1000kc) "The Story of German," Prof. B. A. Jacobson.

WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert; 8, WEAF; 8:30, WEAF; 9, choir ensemble; 10, Kramer's orchestra.

WCAP, Washington, D. C. (468.5m-640kc), 7-11 p. m., U. S. Navy band concert orchestra; WEAF.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:45 p. m., Parodians dance orchestra; 8:10, Kane's Musical Night Adventures; 9, recital; 10, concert; 10:30, Carl Zoehrns and Lou Herscher, songs; 10:45, Frank Cook, old-time songs; 11, Artie Bittong's Cheer-up club.

WEAF, New York, N. Y. (491.5m-610kc), 6 p. m., dinner music, Waldorf-Astoria hotel; 7, synagogue services; 7:30, chamber musicale, WJAR, WOO; 8, Shinola Merrymakers and the Two-in-One Boys; 8:30, Davis saxophone octet, WOO, WCAE, WSAI, WTAG, WEEI, WGR; 9, Ipana Troubadours, WEEI, WCAP, WWJ, WCCO, WGR, WSAI, KSD; 10, "Alice In Wonderland," direction Mrs. Clare Tree Major; 11-12, Hotel Commodore orchestra.

WEBJ, New York, N. Y. (272.6m-1100kc), 8 p. m., Al's Collegians, direction Al Horwitz; 8:45, Thomas Prytherch, Welsh tenor; 9, Carrie Cohen, concert pianist; 9:15, Lew Kimiess and his Cliff Crest society orchestra; Stella Goldman, pianist.

WEEI, Boston, Mass. (348.6m-860kc), 6:13 p. m., Joe Rines and his Hunters' Cabin orchestra; 7:30, Mrs. Arthur Brooks; 8-9, WEAF; 9, WEAF.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra.

WGBS, New York, N. Y. (315.6m-950kc), 6:30 p. m., Jersey Collegians.

WGCP, New York, N. Y. (252m-1190kc), 3 p. m., Charles Phillips, pianist; 3:20, Bobby Grey, songs; 4, Hugo Angelo, tenor; 4:30, Tracey and Mohr, entertainers; 7-8:30, Woodbridge, N. J., night.

WGHB, Clearwater, Fla. (260m-1130kc), 6:30-7:30 p. m., Graham Princes orchestra; 7:30-8, Caroline Lee; 8:30-9:30, Realtroubadores; Florence Arlin, soprano; 11:45, Graham Prince's orchestra.

WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., 20th Century orchestra; 8, WEAF; 10, Frank Oliver and associates; 11, Peezee orchestra.

WGY, Schenectady, N. Y. (379.5m-790kc), 7 p. m., dinner program; 8:05, musical program.

WHN, New York, N. Y. (361.2m-380kc), 6 p. m., people's hour; 7, Loew's Lexington organ recital; 8, Vogue entertainers; 9, Loew's New York orchestra; 9:30, Daven Radio entertainers; 10, Roseland dance orchestra; 10:30, Anatol Friedland; 11, Silver Slipper orchestra; 12, Cotton club orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; violin solo, Thomas Moore; piano solo, Julia Moore.

WJAR, Providence, R. I. (305.9m-500kc), 7:30 p. m., musicale; 8, WEAF; 9, musical program; 10, WEAF.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Petite symphony orchestra; 7:45, Goodwill Oakland; 9, Jean Goldkette's orchestra; 11, organ; 12, Jewett Radio Jesters.

WJZ, New York, N. Y. (454.3m-660kc), 7 p. m., Hotel Commodore concert orchestra; 7:45, New York university; 8:15, Zoological society series; 8:30, Lewissohn free chamber music concert; 10:45, George Olsen's Hotel Pennsylvania grill orchestra.

WLIT, Philadelphia, Pa. (394.5m-760kc), 8:15 p. m., recital; 10, Arcadia cafe dance orchestra.

WLWL, New York, N. Y. (288.3m-1040kc), 9:15 p. m., Carr's chamber music; 9:15, McElray's concert; 10:15 p. m., songs.

WMAK, Buffalo, N. Y. (265.3m-1130kc), 7:30-8 p. m., W. J. Saunders, organist; 8-9, Hunt Avenue Baptist church; 9-10, Elizabeth Rappelaye and friends.

WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Olcott Vail and Hotel McAlpin string ensemble; 6:30, Ernie Golden and Hotel McAlpin orchestra; 8:30, mass meeting of American Federation of Labor; 10, Creole Follies; 10:30, Parody orchestra; 11, Hofbrau Haus entertainers; 11:30, Jack Denny's orchestra; 12, McAlpin entertainers.

WNYC, New York, N. Y. (526m-570kc), 5:50 p. m., Agnes Vernon's juveniles; 6:20, piano selections; 7:35, 11:15, Cinderella cafe orchestra; 11:30, Pat Barnes and Al Carney; 12, Pat Barnes and Al Carney.

WIBO, Chicago, Ill. (225.4m-1130kc), 6-8 p. m., dinner concert; Dorothy Rae, soprano; Charles Champlin, baritone; Florence Osterman, contralto; Earl Bigelow, pianist; string trio; 10-12, popular program; William Molnaire, tenor; songs with uke, Erwin Cornelius; pianist, soprano; Herbert Schlosser, accordionist; string trio.

WJAZ, Chicago, Ill. (322.4m-930kc), 9-1 a. m., dance program, Opera club.

WKRC, Cincinnati, Ohio (325.9m-920kc), 6 p. m., Alvin Roehr and his Hotel Alms orchestra; 8:15, tenor solos, Oliver Plunkett; 9, concert orchestra; 9:40, orchestra.

WLIB, Chicago, Ill. (302.8m-990kc), 7:30-7:40 p. m., Auld Sandy; 7:40-8, musical program; 8-9, WEAF; 11-11:20, Correll and Gosden; 11:20-1 a. m., studio ensemble, dance music, harmony duos.

WLS, Chicago, Ill. (344.6m-870kc), 6 p. m., Ford and Glenn; 6:40, Maurie Sherman's College Inn orchestra; 7, lullaby time, Ford and Glenn; 7:15, Maurie Sherman's College Inn orchestra; 7:30, Armour Institute glee club; Virginia Holland, soloist; 7:45, Ralph Emerson, organist; 8, "Miss Medusa," one-act play; 8:30, George Goforth band; 9, picture concert, Haydn program; 9:30, Better Music hour; 10, Ford and Glenn's music shop; 11-1 a. m., WLS circus, Ruth Etting, George Goforth's band.

WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., Robert Visconti's Hotel Gibson orchestra; 8:30 the Clifton Musical club, "Church and Music"; 9:30, Ferne Schubert, reader; 10-10:30, University of Cincinnati glee club; 10:30-10:45, the Crescendon string quartet; 10:45-11, Ralph Thomas, tenor; 11, the Crosley male quartet; 11:30, Johanna Grosse, organist.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Hotel LaSalle orchestra; 8:25, program, Brown University musical club; 9:55, chimes.

WMBB, Chicago, Ill. (250m-1200kc), 7-8 p. m., Trianon ensemble; 9-11, orchestras; Scotty Welch and Madison Sisters, Cecil and Esther Ward, Hawaiian guitar duo; Tracy and Duncan; Billie Allen Hoff.

WOAI, San Antonio, Texas (394.5m-760kc), 8:30 p. m., Army night, Fort Sam Houston.

WOC, Davenport, Iowa (483.6m-620kc), 7-7:30 p. m., WEAF; 9-9:30, Erwin Swindell, organist; 9:30-10:30, musical program, Augustana college.

WOK, Chicago, Ill. (217.3m-1300kc), 4:30-7 p. m., Capitol theater organ; 10-1:30 a. m., Tearney's Town club orchestra; Carl Lorraine's orchestra; Husk O'Hare's orchestra; Capitol theater program.

WOOD, Grand Rapids, Mich. (242m-1240kc), 9-10 p. m., Bill Dallavo and his Regent Roof orchestra; 10-11, Thelma Dykman, Ruth and Pearl, Roseberry-Henry's "A B C Washer Tenor," Jim Forshey, John Higbee, Marion Cusser; 11-12, April Fools program.

WORD, Batavia, Ill. (275.1m-1090kc), 7-7:45 p. m., program; readings; 9, I. B. S. A. service.

WOS, Jefferson City, Mo. (440.9m-680kc), 8:15-10 p. m., Camp Fire Girls; readings, Helen Tolson.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Ralph Williams and his Rainbo Gardens orchestra; Jean St. Anne, baritone; Christian Grimm, pianist; Agnes Pringle, violinist; Jessie Pringle, soprano and pianist; 10-1 a. m., Ralph Williams and his orchestra; Melodians; Clarence Theders, tenor; character songs, Joe Warner; Oxford girls, Gail Bandell; 1-2, Ginger hour.

WSAI, Cincinnati, Ohio (325.9m-920kc), 6:30 p. m., Frank Wright; 6:45, chime concert, Robert Badgley, 7:30, WEAF; 10:15, studio concert.

WSB, Atlanta, Ga. (428.3m-700kc), 10:45 p. m., Biltmore hotel orchestra.

WSM, Nashville, Tenn. (282.8m-1060kc), 6:30 p. m., Francis Craig's orchestra; 8, pupils, Mr. and Mrs. Kenneth Rose; 10, program, string quartet, pianists and soloist.

WSOE, Milwaukee, Wis. (245.8m-1220kc), 8 p. m., "Passion Week" service; M. E. church; 9, "Candygram" soloists.

Central Time Stations

CNRW, Winnipeg, Can. (384.4m-780kc), 7:50 p. m., musical program, Irvine Plumm and his Fort Garry hotel orchestra; 8:50, second anniversary program; Mrs. J. Dillabough, pianist; Victor Scott, tenor; Irvine Plumm, cellist; Mrs. Burton Kurth, contralto; 10, supper dance program.

KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., concert, Henry Field Seed company.

KFRU, Columbia, Mo. (499.7m-600kc), 9-11 p. m., classical program.

KMA, Shenandoah, Iowa (252m-1190kc), 9-11 p. m., songs and clog dancing; Bob and Babe Riddle, Willy Cunningham, the farmer Scotchman, musical program.

KMOX, St. Louis, Mo. (280.2m-1070kc), 6 p. m., Arthur L. Utt, organist; 6:30, Mrs. Jaques Landree, organist; 7, Chamber Music concert; 8, operalogue, "Carmen"; 9, orchestra, song cycle, Kentucky Mountain songs, A. E. Meisenbach; 10, popular dance music.

KPRC, Houston, Texas (296.9m-1010kc), 7:30 p. m., Jack Wallrich's orchestra, McMillian's dancing academy; Virginia Wallrich, piano accordionist; 8:30, Frank Tilton, blind pianist; 11, West coast serenade.

KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., WEAF; 7:30, Hotel Statler orchestra; 8, WEAF.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9-9:30 p. m., solo night, Meyer Davis artists; 9:30-9:45, Lawson Reid, organist; 9:45-10, Heartsongs, Violet Belding, contralto; 10-10:45, Southerners orchestra.

KYW, Chicago, Ill. (536m-560kc), 6-6:30 p. m., dinner music; 6:30-7, Congress hotel dinner music; 7:30-8, half hour of music; 8-9, musical program, Congress hotel; 10-12, midnight revue.

WAMD, Minneapolis, Minn. (244m-1230kc), 7:10 p. m., classical program; W. E. Peterson, baritone; Ida Sorenson, contralto; Margaret Arnold, pianist; 11, Skyrocket frolic.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6 p. m., midweek church service; 7, WEAF; 8, WEAF, 10:05, Marigold Garden dance orchestra.

WCOA, Pensacola, Fla. (222m-1350kc), 7 p. m., music study club.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., the Trianon ensemble, Hotel Muehlebach; 8-10, Handel's "Messiah"; Hardin, Mo., community chorus; play, WDAF players 11:45, Nighthawk frolic, WDAF.

WEMC, Berrien Springs, Mich. (285.5m-1050kc), 8:15 p. m., Hoosier male quartet; Kenneth Hagan, violinist; piano duet; Esther Buhalts and Jesse Tanner; Rhea Yeaher, cellist; String quartet.

WGES, Oak Park, Ill. (250m-1200kc), 8-9 p. m., orchestra; 11-1 a. m., Coyne serenaders.

WGN, Chicago, Ill. (302.8m-990kc), 6:30-6:45 p. m., Drake concert ensemble, Blackstone string quintet; 6:45, old-time favorites; 6:55-7, "The Million Sing"; 9-10, studio program; 10-10:10, Sam 'n' Henry; 10:10-10:20, old-time favorites; 10:20, play shop; 10:40-11, studio ensemble.

WHAD, Milwaukee, Wis. (275m-1090kc), 6:15-7 p. m., Arthur Richter, organist; 10:30-11:30, Wisconsin Roof orchestras; 11:30-12:30, Edmund Fitch, organist.

WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., Eddie Siemer's orchestra.

WHB, Kansas City, Mo. (365.6m-820kc), 7-8 p. m., Milo Finley string trio; banjo and guitar selections.

WHO, Des Moines, Iowa (526m-570kc), 6-7 p. m., The Bankers Life Little Symphonic orchestra; 7:17-8:15, Irene Dorans Little Symphony orchestra, Fort Des Moines hotel; 8:15-9, Kate Miller, whistler; Maude Hughes, accompanist; Dr. and Mrs. H. A. Hurd, Hawaiian guitar duets; Sam Soodhalter and Ben Jordan and Renus Lytle; Three Harmony Kings; Harry Lewis, popular song soloist; 9-12, dance program.

WHT, Chicago, Ill. (399.8m-750kc), 12 noon, Al Carney's complimentary organ recital; 6-7:30 p. m., Genevieve B. Burnham, soprano; Peter Porstner; Howard Will, tenor; Grayling's string trio; Helen Rauh, pianist; 7:45-9:15, Cinderella cafe orchestra; 9:30, Al Carney and Pat Barnes; 10:05, Ray-O-Vac concert.

Mountain Time Stations

KFWA, Ogden, Utah (260.7m-1150kc), 9-10 p. m., dance music, Ollie Reeves and his orchestra; 10-11, Merry Mad Music Makers; 11-12, Ollie Reeves and his orchestra.

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra; 8, Scheuerman's Colorado orchestra; 8:15, Faith Campbell, Bernice Head, male quartet; 10, Broadmoor Rhythm Rustlers.

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 5:30-6 p. m., Jim, Jack and Jean trio; 6:30, vest pocket program; 7-7:30, Grebe Synchrophase string ensemble; 7:30-8, Nick Harris' detective story; 8-9, program, Ventura Refining company; 9-10, program, Chevrolet Motor company of California; 10-11, Robert Hurd, tenor.

KFON, Long Beach, Calif. (232.4m-1280kc), 6-6:30 p. m., Brayton's theater organ; 7-8, studio program; 8-9, Press-Telegram studio; 9-10, KFON artists frolic; 10-11, Oriole orchestra.

KFWB, Hollywood, Calif. (252m-1190kc), 8-9:30, Bill Hatch's orchestra; Lilyan May Challenger, contralto; 9:30-10, Mutual Motors mirth contest; 10-11, Warner Brothers frolic.

KGO, Oakland, Calif. (361.2m-830kc), 6-6:55 p. m., twilight concert.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-9, Seventh U. S. Infantry band; 9-10, frolic; 10-11, concert.

KHJ, Los Angeles, Calif. (405.2m-740kc), 8-10 p. m., program, the Fraternal Brotherhood.

KJR, Seattle, Wash. (384.4m-780kc), 7-8:30 p. m., Bab's Lady orchestra; 8:30-10, studio program.

KMTR, Hollywood, Calif. (238m-1260kc), 8-10 p. m., KMTR concert orchestra, Loren Powell, director; Dan Gridley, tenor; 10-11, Starr Piano company studio.

KNX, Hollywood, Calif. (336.9m-890kc), 5:30 p. m., Leighton's cafeteria orchestra; 6:30-7, Atwater Kent concert orchestra; 7-9, KNX feature program; 9-10, program, Daley's 165 grocery stores; 10-11, dance music; 11-12, Ray West's Cocoanut Grove dance orchestra from the Ambassador.

KOWW, Walla Walla, Wash. (256.3m-1170kc), 8-10 p. m., studio program; 10-12, dance music.

KPO, San Francisco, Calif. (428.3m-1000kc), 6:30-7 p. m., States restaurant orchestra; 7-7:30, Rudy Selger's Fairmont hotel orchestra; 8-9, Atwater Kent artists; 9-10, Goodrich Silvertown Cord orchestra; 10-11, States restaurant orchestra; 11-12, Henry Halstead's orchestra.

KTAB, Oakland, Calif. (239.9m-1250kc), 8-10 p. m., program, Western States Life Insurance company.

KWSC, Pullman, Wash. (348.6m-860kc), 8-10 p. m., High School Girl's sextet; Dorothy Hutchison; Ruth Huebner, pianist; Margaret Wagner, reader.

Thursday, April 1

Headliners Today

Eastern	Central	Mountain	Pacific
8:15 p. m.	7:15 p. m.	6:15 p. m.	5:15 p. m.

WTIC (475.9m-630kc) Williams college musical club.

8:30 7:30 6:30 5:30

WHAS (399.8m-750kc) Virginia Vetter's entertainers.

8 8 7 6

KDKA (309.1m-970kc) Cantata.

WHB (365.6m-820kc) Operatic selections.

10 9 8 7

KPRC (296.9m-1010kc) Glee club.

KTHS (374.8m-800kc) Comic opera selections.

11 10 9 8

KGO (361.2m-830kc) "Hazel Kirke" comedy drama.

KGW (491.5m-610kc) Vaudeville program.

KPO (428.3m-700kc) Shrine night.

12 11 10 9

KOIL (277.6m-1080kc) Hotsy Totsy hour.

WBAP (475.9m-630kc) "A Step on the Stairs" mystery serial.

WLW (422.3m-710kc) April Foolishness.

WOC (483.6m-620kc) Jack Little.

Thursday, silent night for: CHIC, CKNC, CNRA, CNRE, CNRO, CNRR, CNRT, CNRV, CNRW, KFAB, KFAU, KFDM, KFEQ, KFMX, KFOA, KFUO, KFVE, KFWA, KLX, KMOX, KOA, KOAC, KOB, KWSC, PWX, WABQ, WAFD, WAHG, WCAP, WCEE, WDOD, WEAO, WEBJ, WEBW, WEMC, WGBF, WHAD, WHAZ, WJJD, WMAK, WMAZ, WOR, WOS, WSM, WSUI, WTAM.

Eastern Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 6:30 p. m.,

GO

CLAS

Saturday,

Eastern	Central
6 p. m.	5 p. m.
WCX, WEAF, WMCA,	
7	6
KGO, KYW, WEAR, W	
WOAW, WOK, WRC.	
8	7
KDKA, KFNF, KOIL,	
WGN, WMBB, WNYC	
9	8
KFOA, KPRC, KHJ,	
WLW, WORD, WSAI,	
10	9
KNX, KYW, WEAF,	
WOC, WORD.	
11	10
KGO.	
12 m	11
WOAW.	

Sunday,

Eastern	Central
6 p. m.	5 p. m.
WCAU.	
7:20	6:20
WCAE, WCAU, WEAF,	
WTAG, WWJ.	
8	7
KYW, WAMD, WBZ,	
WKAQ, WLS, WORD.	
9	8
KFDM, KPRC, KSD,	
WCCO, WEAR, WGY,	
WQJ.	
9:15	8:15
WEEI, WJAR, WTAG.	
10	9
KHJ, KNX, KTHS,	
WNYC, WOC, WQJ,	
11	10
KFVE, KHJ, KNX, KPO	
WKRC, WOC.	
12 m	11
KHJ, KNX, WOC.	
1 a. m.	12 m
KNX.	

Monday,

Eastern	Central
6 p. m.	5 p. m.
KGO, WCX, WEAF,	
7	6
KMA, WCCO, WEAF,	
WOAW, WOK.	
8	7
KFNF, KSD, WBBR,	
WHAR, WHT, WJAR,	
WTIC.	
9	8
KFOA, KGO, KHJ, K	
WBZ, WCAE, WEEI,	
WLW, WORD, WOS.	
10	9
KMA, KPO, KPRC,	
WCCO, WEAF, WHAD,	
WTAG.	
11	10
KGW, KHJ, KMA, KSD,	
WSAI.	
12 m	11
KGW, WBAP, WSAI.	
1 a. m.	12 m
KHJ.	

Tuesday,

Eastern	Central
6 p. m.	5 p. m.
WBZ, WCX, WEAF,	
7	6
KGO, KMA, WEAR,	
WJR, WMAQ, WOAW,	
WWJ.	
8	7
KFNF, KSD, KYW,	
WCX, WEAR, WEEI, WGR,	
WLS, WMBB, WQJ, WRC, WTIC	

Tuesday, March 3

WMCA, New York, N. Y. (340.7m-880kc) Hotel McAlpin string ensemble; 6:30, Pa tra; 7, Twin Oaks orchestra; 7:15, Ar Sirens; 8, Pace institute program; 8:30, Po jans; 10, Creole Follies; 10:30, Tango or Ernie Golden and Hotel McAlpin orchestr Alpin entertainers.

WNYC, New York, N. Y. (526m-570kc), The Canadians; 7:35, The Canadians; 8, tures.

WOO, Philadelphia, Pa. (508.2m-590kc), Adelphia French Room orchestra.

WOR, Newark, N. J. (405.2m-740kc), 6:45 dio program; 7:15, Copenhagen quartet.

WPG, Atlantic City, N. J. (299.8m-1000kc), organ recital, Arthur Scott Brook; 7, H dinner music; 7:30, Elks Home dinner r Plaza hotel artists; 8:45, Spanish progr Newman, reader; Rose Newman, sopran Bank, dancer; 9, Chalfonte-Haddon Hall d Hotel Traymore Grill orchestra; 10:30, Kar recital; 11, Silver Slipper Supper club orche

WRC, Washington, D. C. (468.5m-640kc), U. S. Marine band orchestra, WJZ, WGY, Spencer and his Hotel Mayflower orchestra.

WTAG, Worcester, Mass. (267.7m-1120kc), concert; 9-10, WEAF; 10:30-11, WEAF.

WTAM, Cleveland, Ohio (389.4m-770kc), Royal Canadians.

WWJ, Detroit, Mich. (352.7m-850kc), 6 p. concert; 8, WEAF.

Central Time Stations

KFNF, Shenandoah, Iowa (263m-1140kc), 7 cert.

KFRU, Columbia, Mo. (499.7m-600kc), 6 dinner music.

KLDS, Independence, Mo. (440.9m-680kc), 8:15 sextet; 8:30, concert, Mrs. Otto Grosse, contralto, Mrs. Melvin Shearer, organist; Dorothy Colt, violinist; Joyce Andrews, violinist.

KMA, Shenandoah, Iowa (252m-1190kc), 6-7 p. m., May Flower trio; May's Flower Lady, Lina Ferguson; 9-11, May's mandolin musicians.

KMOX, St. Louis, Mo. (280.2m-1070kc), 6 p. m., organ recital, Arthur Utt; 6:30, organ recital, Mrs. Jaques Landree; 7, orchestra; Little Red School House; Stuart MacConnell, baritone; 8, David Cohen, baritone; orchestra; Xenia quartet; 9, duets, sopranos, contralto, Mrs. J. Symons,, Mrs. A. Lawson; 10, popular dance music.

KPRC, Houston, Texas (296.9m-1010kc), 7:30 p. m., Skyline studio concert.

KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., WEAF.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9-9:30 p. m., variety program, Eastman hotel orchestra; 9:30-10:15, O. V. Holbrook and his old-time fiddlers; 10:15-10:30, classical selections, Elizabeth Bowe, pianist; 10:30-11:15, dance concert, New Arlington hotel orchestra.

KUOA, Fayetteville, Ark. (299.8m-1000kc), 8 p. m., Phi Mu Alpha music fraternity.

[illegible], pianist; string trio; 12, jamboree; Dan Russo, violinist; Ted Fiorito, pianist; songs, artists.

WJAZ, Chicago, Ill. (322.4m-930kc), 9-1 a. m., diversified studio and dance program, Chez Pierre.

WJJD, Mooseheart, Ill. (370.2m-810kc), 12-1 p. m., Palmer House symphonic players; Palmer House trio; 2-3, Howard L. Peterson, organist; 4-5, music, Mooseheart children; 5:30-7, Jack Nelson; Palmer House symphonic players; Palmer House Victorians; Howard L. Peterson, organist; 8-9, children; 10-11, Garod studio; Rushmore ensemble singers; Palmer House Victorians; 12:30 a. m., Knights of the Burning Candle.

WKRC, Cincinnati, Ohio (325.9m-920kc), 10 p. m., Alvin Roehr and his Hotel Alms orchestra; 10:30, organ recital, Eugene Perazzo; 11, Doc Howard's Cuvier-WKRC entertainers; orchestra and male quartet.

WLIB, Chicago, Ill. (302.8m-990kc), 7:30-8 p. m., WEAF; 11-11:20, Correll and Gosden; 11:20-1 a. m., studio ensemble, dance music, harmony duos.

WLS, Chicago, Ill. (344.6m-870kc), 6 p. m., Ford and Glenn; 6:40, Maurie Sherman's College Inn orchestra; 7, Warner program; 8-9, Press-Telegram studio; 9-11, Long Beach Aero Club Hi-Jinks.

KFWB, Hollywood, Calif. (252m-1190kc), 8-9, Patrick and Marsh dance orchestra, Betty Patrick, soloist, 9-10, program, Alexandria Tailors; 10-11, Warner Brothers frolic.

KGO, Oakland, Calif. (361.2m-830kc), 6-6:55 p. m., twilight concert; 8-9, Eveready program; Arthur Argiewicz, violinist; Lev Shorr, accompanist; Sierra mixed quartet; 9:10-9:30, Ricketty, Racketty minstrels; 10-12, Girvin-Deuel's California Collegians, dance orchestra.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-10, music, Alicia McElroy quartet; 10-12, dance music.

KHJ, Los Angeles, Calif. (405.2m-740kc), 8-10, program, Builders' Finance association.

KJR, Seattle, Wash. (384.4m-780kc), 8:30-10 p. m., Puget Sound Savings and Loan association orchestra.

KMTR, Hollywood, Calif. (238m-1260kc), 6-7 p. m., Starr Piano company studio; 8-10, KMTR concert orchestra.

WGBF, WGBS, WGCP, WGST, WHAR, WHAZ, WIP, WJAD, WJAZ, WLWL, WMC, WOAI, WOAW, WOI, WPG, WRC, WREO, WRR.

Eastern Time Stations

CNRO, Ottawa, Can. (435.8m-688kc), 8 p. m., Chateau Laurier concert orchestra; 9, performance of Dr. Hartman's "Seven Last Words of Christ," Hull Choral society; Chateau Laurier dance orchestra.

KDKA, Pittsburgh, Pa. (309.1m-970kc), 6:30 p. m., concert; 8:30, instrumental quartet; Will Rhodes, tenor.

PWX, Havana, Cuba (400m-750kc), 8-9 p. m., City of Havana band; 9:10-10:10, City of Havana band.

WAHG, Richmond Hill, N. Y. (315.6m-954kc), 7:45 p. m., studio program; 8:15, Serenaders plectrum quintet; 9, Raymond Maher, baritone; 9:15, Old Fashioned quartet; 10:02, studio program.

WBZ, Springfield, Mass. (333.1m-900kc), 6:30 p. m., Hotel Kimball orchestra; 6:15, Hotel Lenox ensemble; 7, Hotel Kimball orchestra; 9, WBZ concert company.

GOOD FRIDAY CANTATAS TO BE SUNG THIS WEEK AT MANY STATIONS

CLASSICAL CONCERTS INDEX

Saturday, March 27
Eastern 6 p. m. | Central 5 p. m. | Mountain 4 p. m. | Pacific 3 p. m.
WCX, WEAF, WMCA, WREO.
7 | 6 | 5 | 4
KGO, KYW, WEAR, WENR, WMAQ, WNYC, WOAW, WOK, WRC.
8 | 7 | 6 | 5
KDKA, KFNF, KOIL, KSD, KYW, WBBR, WON, WMBB, WNYC, WOAW, WQJ.
9 | 8 | 7 | 6
KFOA, KPRC, KHJ, KYW, WHAS, WIP, WLW, WORD, WSAI, WSOE.
10 | 9 | 8 | 7
KNX, KYW, WEAF, WMAQ, WMC, WOAW, WOC, WORD.
11 | 10 | 9 | 8
KGO.
12 m | 11 | 10 | 9
WOAW.

Sunday, March 28
Eastern 6 p. m. | Central 5 p. m. | Mountain 4 p. m. | Pacific 3 p. m.
WCAU.
7:20 | 6:20 | 5:20 | 4:20
WCAE, WCAU, WEAF, WEAR, WEEI, WJAR, WTAG, WWJ.
8 | 7 | 6 | 5
KYW, WAMD, WBZ, WEAR, WGBS, WGCP, WKAQ, WLS, WORD.
9 | 8 | 7 | 6
KFDM, KPRC, KSD, WBZ, WCAU, WCBD, WCCO, WEAR, WGY, WHAR, WHT, WNYC, WQJ.
9:15 | 8:15 | 7:15 | 6:15
WEEI, WJAR, WTAG.
10 | 9 | 8 | 7
KHJ, KNX, KTHS, KYW, WCCO, WFAA, WNYC, WOC, WQJ, WSOE.
11 | 10 | 9 | 8
KFVE, KHJ, KNX, KPO, KTHS, KYW, WHN, WKRC, WOC.
12 m | 11 | 10 | 9
KHJ, KNX, WOC.
1 a. m. | 12 m | 11 | 10
KNX.

Monday, March 29
Eastern 6 p. m. | Central 5 p. m. | Mountain 4 p. m. | Pacific 3 p. m.
KGO, WCX, WEAF, WMCA, WREO, WWJ.
7 | 6 | 5 | 4
KMA, WCCO, WEAF, WEAR, WHAD, WJR, WOAW, WOK.
8 | 7 | 6 | 5
KFNF, KSD, WBBR, WBZ, WCAU, WCX, WHAR, WHT, WJAR, WLW, WMBB, WTAG, WTIC.
9 | 8 | 7 | 6
KFOA, KGO, KHJ, KPRC, WBBR, WCCO, WBZ, WCAE, WEEI, WHAD, WHO, WJAR, WLW, WORD, WOS.
10 | 9 | 8 | 7
KMA, KPO, KPRC, KSD, KTHS, WAMD, WCCO, WEAF, WHAD, WJAR, WOAW, WSUI, WTAG.
11 | 10 | 9 | 8
KGW, KHJ, KMA, KSD, KTHS, KWSC, WHN, WSAI.
12 m | 11 | 10 | 9
KGW, WBAP, WSAI.
1 a. m. | 12 m | 11 | 10
KHJ.

Tuesday, March 30
Eastern 6 p. m. | Central 5 p. m. | Mountain 4 p. m. | Pacific 3 p. m.
WBZ, WCX, WEAF, WMCA, WREO, WWJ.
7 | 6 | 5 | 4
KGO, KMA, WEAR, WEBJ, WGBS, WHAD, WJR, WMAQ, WOAW, WOK, WOR, WTIC, WWJ.
8 | 7 | 6 | 5
KFNF, KSD, KYW, WBZ, WCAE, WCAU, WCX, WEAR, WEEI, WGR, WHAR, WHT, WLS, WMBB, WQJ, WRC, WTIC.
Eastern 9 p. m. | Central 8 p. m. | Mountain 7 p. m. | Pacific 6 p. m.
KFDM, KFOA, KGO, KHJ, KLDS, KYW, WCAE, WCBD, WCCO, WEAF, WEEI, WGR, WHAS, WJAR, WLW, WMAQ, WOC, WORD, WTAG.
10 | 9 | 8 | 7
KFAB, KFDM, KFUO, KMA, KNX, KPRC, KTHS, WCAE, WCCO, WEAF, WEAR, WEEI, WLW, WMCA, WOC, WSAI, WSOE, WTAG.
11 | 10 | 9 | 8
KGO, KHJ, KMA, KYW, WSAI.
12 m | 11 | 10 | 9
KPO, KYW, WHO, WMC.

Wednesday, March 31
Eastern 6 p. m. | Central 5 p. m. | Mountain 4 p. m. | Pacific 3 p. m.
WCX, WEAF, WMCA, WREO, WWJ.
7 | 6 | 5 | 4
KGO, WEAR, WHAD, WJR, WMAQ, WOK, WTIC.
8 | 7 | 6 | 5
KFNF, KPRC, KSD, KYW, WAMD, WBZ, WCX, WEAF, WEEI, WHT, WLW, WMBB, WMCA, WQJ, WTAG, WWJ.
9 | 8 | 7 | 6
KFOA, KGO, KPRC, KSD, KYW, WBZ, WCCO, WDAF, WEEI, WGR, WHAD, WHAS, WJAR, WMAQ, WOR, WOS, WORD.
10 | 9 | 8 | 7
KFMX, KMA, KNX, KTHS, WAMD, WCCO, WEAF, WEEI, WGR, WHAD, WJAR, WLS, WMAQ, WNYC, WOC, WSOE.
11 | 10 | 9 | 8
KGO, KGW, KMA, KPO, KTHS, WCAE, WLS, WLW, WOC, WSAI.
12 m | 11 | 10 | 9
KGW, KPO, WHAD, WLW.
1 a. m. | 12 m | 11 | 10
WLW.

Thursday, April 1
Eastern 6 p. m. | Central 5 p. m. | Mountain 4 p. m. | Pacific 3 p. m.
WBZ, WCX, WEAF, WIP, WMCA, WREO, WWJ.
7 | 6 | 5 | 4
KGO, KSD, WEAF, WEAR, WGBS, WHAD, WJR, WMAQ, WOAW, WOK, WWJ.
8 | 7 | 6 | 5
KYW, WBBR, WBZ, WCAU, WCCO, WCX, WEAR, WEEI, WGR, WGY, WHAR, WHT, WLS, WLW, WMBB, WOAW, WQJ, WTAG, WTIC.
9 | 8 | 7 | 6
KHJ, KLDS, WBAP, WCAE, WCAU, WCBD, WCCO, WEAF, WEEI, WGR, WHAR, WHAS, WJAR, WNYC, WOC, WORD, WRC, WSAI, WSB, WTAG.
10 | 9 | 8 | 7
KNX, KPRC, KTHS, KYW, WAMD, WOR, WGY, WHAD, WMC, WOAW, WOC, WSAI.
11 | 10 | 9 | 8
KGO, KPO, KTHS, WBAP, WKRC.
12 m | 11 | 10 | 9
KGW, KPO, WHO, WKRC.

Friday, April 2
Eastern 6 p. m. | Central 5 p. m. | Mountain 4 p. m. | Pacific 3 p. m.
KGO, WCX, WMCA, WREO, WWJ.
7 | 6 | 5 | 4
KGO, WEBJ, WGY, WHAD, WJR, WMAQ, WOAW, WOK, WOR, WTIC.
8 | 7 | 6 | 5
KYW, WAHG, WAMD, WBZ, WCAU, WCX, WEBJ, WEEI, WHT, WLS, WQJ, WWJ.
9 | 8 | 7 | 6
KFDM, KFNF, KFOA, KGO, KHJ, KSD, KYW, WBAP, WBZ, WCAU, WDAF, WEEI, WHAD, WJAR, WMAQ, WMCA, WSAI.
10 | 9 | 8 | 7
KFAB, KFDM, KOA, WCCO, WHAD, WMAQ.
11 | 10 | 9 | 8
KFMX, KHJ, KNX, KPO.
12 m | 11 | 10 | 9
KPO.

Tuesday, March 30

WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Hotel McAlpin string ensemble; 6:30, Parody orchestra; 7, Twin Oaks orchestra; 7:15, Arthur West's Hizona; 8, Pace Institute program; 8:30, Postum Hawaiians; 10, Creole Follies; 10:30, Tango orchestra; 11, Ernie Golden and Hotel McAlpin orchestra; 12, McAlpin entertainers.
WNYC, New York, N. Y. (526m-570kc), 7:10 p. m., The Canadians; 7:35, The Canadians; 8, studio features.
WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Adelphia French Room orchestra.
WOR, Newark, N. J. (405.2m-740kc), 6:15 p. m., studio program; 7:15, Copenhagen quartet.
WPG, Atlantic City, N. J. (299.8m-1000kc), 6:15 p. m., organ recital, Arthur Scott Brook; 7, Hotel Morton dinner music; 7:30, Elks Home dinner music; 8:15, Plaza hotel artists; 8:15, Spanish program; Estelle Newman, reader; Rose Newman, soprano; Anastasia Bank, dancer; 9, Chalfonte Haddon Hall dual trio; 10, Hotel Traymore Grill orchestra; 10:30, Karl Bonawitz, recital; 11, Silver Slipper Supper club orchestra.
WRC, Washington, D. C. (468.5m-640kc), 7:30 p. m., U. S. Marine band orchestra, WJZ, WGY; 10:30, W. Spencer and his Hotel Mayflower orchestra.
WTAG, Worcester, Mass. (267.7m-1120kc), 8-9 p. m., concert; 9-10, WEAF; 10:30-11, WEAF.
WTAM, Cleveland, Ohio (389.4m-770kc), 6-7 p. m., Royal Canadians.
WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 8, WEAF.

Central Time Stations

KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., concert.
KFRU, Columbia, Mo. (499.7m-600kc), 6:15 p. m., dinner music.
KLDS, Independence, Mo. (440.9m-680kc), 8:15 p. m., sextet; 8:30, concert, Mrs. Otto Grosse, contralto; Mrs. Melvin Sheater, organist; Dorothy Colt, violinist; Joyce Andrews, violinist.
KMA, Shenandoah, Iowa (252m-1190kc), 6-7 p. m., May Flower trio; May's Flower Lady, Lina Ferguson; 9-11, May's mandolin musicians.
KMOX, St. Louis, Mo. (280.2m-1070kc), 6 p. m., organ recital, Arthur Utt; 6:30, organ recital, Mrs. Jaques Landree; 7, orchestra; Little Red School House, Stuart MacConnell, baritone; 8, David Cohen, baritone; orchestra; Xenia quartet; 9, duets, soprano, contralto, Mrs. J. Symons, Mrs. A. Lawson; 10, popular dance music.
KPRC, Houston, Texas (296.9m-1010kc), 7:30 p. m., Skyline studio concert.
KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., WEAF.
KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9-9:30 p. m., variety program, Eastman hotel orchestra; 9:30-10:15, O. V. Holbrook and his old time fiddlers; 10:15-10:30, classical selections, Elizabeth Howe, pianist; 10:30-11:30, dance concert, New Arlington hotel orchestra.
KUOA, Fayetteville, Ark. (299.8m-1000kc), 8 p. m., Phi Mu Alpha music fraternity.
KYW, Chicago, Ill. (536m-560kc), 6-6:30 p. m., dinner music; 6:30-7, Congress hotel dinner concert; 8-9, musical program, Congress hotel; 9, an hour of music; 10-11, evening at home program; 12-1 a. m., Insomnia club.
WBAP, Fort Worth, Texas (475.9m-630kc), 6 p. m., dinner music; 7:30, Odd Fellows; 9:30, Kentucky club.
WCBD, Zion, Ill. (344.6m-870kc), 8 p. m., Zion choir; clarinet quartet.
WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 7-9:30 p. m., WEAF; 10:05, "A Step on the Stairs."
WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., the Trianon ensemble; 11:45, Nighthawk frolic.
WGBF, Evansville, Ind. (236.1m-1270kc), 8 p. m., Evansville Journal program; musicale.
WGES, Oak Park, Ill. (250m-1200kc), 8-9 p. m., classical concert; 11-1, frolic.
WGN, Chicago, Ill. (302.8m-990kc), 6:30-6:45 p. m., Drake concert ensemble, Blackstone string quintet; 6:45, old time favorites; 6:55-7, "The Million Sing"; 8-9, WEAF; 9:10, studio program; 10-10:10, Sam 'n' Henry; 10:10, old-time favorites; 10:20, play shop; 10:40-11, studio ensemble.
WHAD, Milwaukee, Wis. (275m-1090kc), 6:15-10 p. m., artists' series.
WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., Royal Peacock orchestra, Mrs. Edwin Roth, contralto.
WHB, Kansas City, Mo. (365.6m-820kc), 7-7:15 p. m., dinner concert, Linwood theater; 8-10, feature program, Ararat Temple Shrine serenaders; F. Kammerer, tenor guitar; O. Anderson, banjo mandolinist; H. Copeland, tenor banjo; W. Miller, harp guitarist.
WHO, Des Moines, Iowa (526m-570kc), 7:30-8 p. m., the Raleigh quintet; 8-9, Bedford band; 11-12, the Bankers Life corn sugar orchestra.
WHT, Chicago, Ill. (399.8m-750kc), 12 noon, Al Carney's complimentary organ recital; 6 p. m., dinner organ recital, Al Carney; 6:10, Grayling's string trio; 6:30, Diamond quartet, ballads; 9:15, Cinderella cafe orchestra; 9:35, Kitchen Klenzer entertainers; 9:50, popular song selections, W. Enloe Simmons, S. W. Henske.
WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., dinner concert, Chester Newman, baritone; Bernice Taylor, soprano; Charlotte Edwards, contralto; Eugene Wall, baritone; Ruth Ruld Flick, reader; Helen Collar, pianist; string trio; 12, jamboree, Dan Russo, violinist; Ted Fiorito, pianist; songs, artists.
WJAZ, Chicago, Ill. (322.4m-930kc), 9-1 a. m., diversified studio and dance program, Chez Pierre.
WJJD, Mooseheart, Ill. (370.2m-810kc), 12-1 p. m., Palmer House symphonic players; Palmer House trio; 2-3, Howard L. Peterson, organist; 4-5, music, Mooseheart children; 5-6:30, Jack Nelson; Palmer House symphonic players; Palmer House Victorians; Howard L. Peterson, organist; 8-9, children; 10-11, Garod studio, Rushmore ensemble singers; Palmer House Victorians; 12:30 a. m., Knights of the Burning Candle.
WKRC, Cincinnati, Ohio (325.9m-920kc), 10 p. m., Alvin Roehr and his Hotel Alms orchestra; 10:30, organ recital, Eugene Perazzo; 11, Doc Howard's Cutler WKRC entertainers, orchestra and male quartet.
WLIB, Chicago, Ill. (302.8m-990kc), 7-8 p. m., WEAF; 11-11:20, Correll and Gosden; 11:20-1 a. m., studio ensemble, dance music, harmony duos.
WLS, Chicago, Ill. (344.6m-870kc), 6 p. m., Ford and Glenn; 6:40, Maurie Sherman's College Inn orchestra; 7, lullaby time, Ford and Glenn; 7:15, Maurie Sherman's College Inn orchestra; 7:30-7:55, Henry Purmort Eames in Elgar program.
WLW, Cincinnati, Ohio (422.3m-710kc), 6 p. m., Norine Gibbons, entertainer and her girl friend; 6:30, Mary Barbara, the marvelous voice of mysterious age; 7:30, piano memories, Mary Louise Woszczek; 8, old-time review, Crosley Burnt Corkers; 9, Formica Symphony orchestra; 10, dance music, Castle Farm.
WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Hotel LaSalle orchestra; 8, announced; 8:10, musical program; 9:20, program; 9:55, chimes.
WMBB, Chicago, Ill. (250m-1200kc), 7-8 p. m., Trianon ensemble, Genevieve Burnham, operatic soprano; 9-11, orchestra, Joe Warner, character songs; Eddie Matts and Billie Donovan, Oxford girls.
WOAI, San Antonio, Texas (394.5m-760kc), 8:30 p. m., Gebhardt Mexican players.
WOAW, Omaha, Neb. (526m-570kc), 6 p. m., Hugo G. Heyn, xylophonist; Emil B. Hoffman, pianist; 6:50, orchestra; 9, deluxe program; 10:30, Herb Feierman and his orchestra; 12, Rialto theater alarm.
WOC, Davenport, Iowa (483.6m-620kc), 7-7:30 p. m., WEAF; 7:30-8, WEAF; 8-9, WEAF; 9-9:30, WEAF; 10:30-11:30, Hall M. Macklin's orchestra; Little Jack Little.
WOK, Chicago, Ill. (217.3m-1380kc), 4:30-7 p. m., Capitol theater organ; Pat Hester, tenor; 10-1:30 a. m., dance music; Husk O'Hare's orchestra; Capitol theater program.
WOOD, Grand Rapids, Mich. (242m-1240kc), 9-10 p. m., Rochie's Rollo stores, presentation; 10-11, Regent Little Symphony orchestra; 11-12, Bill Dallavo and his orchestra.
WORD, Batavia, Ill. (275.1m-1090kc), 7 p. m., program; 9, program; 11-11:15, program.
WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Ralph Williams and his Rainbo Garden orchestra; Fontella trio; Sheppard Leslie, tenor; Leo Miller, violinist; Milton Sherman, pianist; 10-1 a. m., Ralph Williams and his Skylarks; Jerry Sullivan; Rose Vanderbosch, soprano and pianist; Everett Opie, reader; Ila Shannabrook, soprano; Harold Olson, baritone; Romo Vincent, baritone; Tell Taylor, tenor; 1-2, Ginger hour.
WSAI, Cincinnati, Ohio (325.9m-920kc), 5:30 p. m., twilight musicale; 7, Mabley and Carew orchestra; 8, WEAF; 9, WEAF; 9:30, studio concert.
WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., Lyon and Healy de luxe concert; 10:45, program, Charles Maddox.
WSM, Nashville, Tenn. (282.8m-1060kc), 10 p. m., Beasley Smith's orchestra.
WSOE, Milwaukee, Wis. (245.8m-1220kc), 8 p. m., "Passion Week" service, M. E. church; 9:45, classical music program.

Mountain Time Stations

CFAC, Calgary, Can. (435.8m-688kc), 8 p. m., studio program.
KFWA, Ogden, Utah (260.7m-1150kc), 6-7 p. m., Scotch Melodies; 7-7:30, male chorus; 7:30-9:30, varied program, Weber Normal college quartet, Leonard Sisters, C. Lewis, soloist, Ed Keller, zither soloist; 9:30-10:30, Kenwieter orchestra; 10:30-11:30, popular banjo vocal and piano selections, Ole Reeves, Berthana orchestra, Claire Anderson, organist; 11:30-1 a. m., KFWA funfest orchestra.
KFXF, Colorado Springs, Colo. (250m-1200kc), 8:30 p. m., harp soloists.
KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra; 8:30, Radio mystery serial, "A Step On the Stairs," KOA players.

Pacific Time Stations

CNRR, Regina, Can. (476m-630kc), 8 p. m., concert.
CNRV, Vancouver, Can. (291.1m-1030kc), 8:30 p. m., McIntyre string quartet, Doris McIntyre, cellist; Alan McIntyre, violinist; Margaret McIntyre, violinist; Mrs. C. McLean, soprano; 10:30, Cabaret Belmont; Rene Muslin, piano.
KFI, Los Angeles, Calif. (467m-642kc), 5:30 p. m., [illegible]; 7-8, American Hawaiian quartet; 8-9, Screen Artists' songs quartet; [illegible]; 10-11, Paul Roberts, Leslie Adams, piano selections; 10-11, Packard Radio club.
KFON, Long Beach, Calif. (232.4m-1280kc), 6-6:30 p. m., Brayton's theater organ; 7-8, Nichols and Warner program; 8-9, Press-Telegram studio; 9-11, [illegible].
KFWB, Hollywood, Calif. (252m-1190kc), 8-9, Patrick and Marion [illegible], Betty Patrick, soloist; 9-10, program, Alexandria Tailors; 10-11, Warner Brothers frolic.
KGO, Oakland, Calif. (361.2m-830kc), 6-6:55 p. m., twilight concert; 8-9, Eveready program, Arthur Arglewicz, violinist; [illegible] mixed quartet; [illegible] Rickett's minstrels; 10-12, Glenn Tindall's California Collegians.
KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-10, [illegible] quartet; 10-12, dance music.
KHJ, Los Angeles, Calif. (405.2m-740kc), 8-10, program, [illegible].
KJR, Seattle, Wash. (384.4m-780kc), [illegible] orchestra.
KMTR, Hollywood, Calif. (238m-1260kc), 8-9 p. m., Starr Piano company studio; 8-10, KMTR concert orchestra.
KNX, Hollywood, Calif. (336.9m-890kc), 5:30 p. m., Leighton's cafeteria orchestra; 6:30-7, Atwater Kent concert orchestra; 7-7:15, program, Roy L. Donley, Inc.; 8-9, program, Globe Ice Cream and Weber bread; 9-10, program, Western Auto Supply company; 10-12, movie night at the Ambassador, Ray West's Cocoanut Grove dance orchestra.
KPO, San Francisco, Calif. (428.3m-1000kc), 6:30-7 p. m., States restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel orchestra; 8-9, Winifred Curry, pianist; George Bossert, baritone; 9-10, Gypsy and Marta, harmony team; 10-11, Palace hotel dance orchestra; 11-12, Henry Halstead's orchestra.
KPSN, Pasadena, Calif. (315.6m-950kc), 8-9 p. m., Adolf Tandler instrumental group.
KTAB, Oakland, Calif. (239.9m-1250kc), 8-10 p. m., program, Mills college.

Here are the WLW players giving an act from "A Step On the Stairs." Left to right they are: Helen Rose, Aunt Helen; Barclay Shields, Cousin William; Charles Williams, Frederick Ardwyn; Virginia Payne, Mary Williams; William Isaacs, Henry Graves. The curtain rises on the next thrilling episode this Saturday evening. Another Radio star to appear in this famous mystery play is Mary Harper, left, who is a member of the KGO group giving the serial. To the right is Helen Stanley, soprano, who sings Sunday, during the Atwater Kent hour over the WEAF chain.

Wednesday, March 31

Headliners Today

Eastern 8 p. m. | Central 7 p. m. | Mountain 6 p. m. | Pacific 5 p. m.
WBZ (333.1m-900kc) Holyoke hour.
8:30 | 7:30 | 6:30 | 5:30
KDKA (309.1m-970kc) Instrumental quartet.
WCOA (222m-1350kc) Operatic and popular night.
9 | 8 | 7 | 6
WDAF (365.6m-820kc) Handel's "Messiah."
9:15 | 8:15 | 7:15 | 6:15
WEMC (285.5m-1050kc) Hoosier quartet.
WHO (526m-570kc) Three Harmony Kings.
9:30 | 8:30 | 7:30 | 6:30
WLW (422.3m-710kc) Clifton Musical club.
10 | 9 | 8 | 7
KMOX (280.2m-1070kc) Kentucky Mountain songs.
10:15 | 9:15 | 8:15 | 7:15
KOA (322.4m-930kc) Studio program.
10:30 | 9:30 | 8:30 | 7:30
KWSC (348.6m-860kc) High School girls' sextet.
11 | 10 | 9 | 8
KHJ (405.2m-740kc) Program, "The Fraternal Brotherhood."
WSM (282.8m-1060kc) String quartet.
11:30 | 10:30 | 9:30 | 8:30
WLW (422.3m-710kc) Crescendon string quartet.
WOC (483.6m-620kc) Jack Little.
12 | 11 | 10 | 9
KPRC (296.9m-1010kc) West Coast serenade.

Wednesday, silent night for: CHIC, CKNC, CNRA, CNRC, CNRE, CNRM, CNRR, CNRT, CNRV, KFAU, KFDM, KFEQ, KFKU, KUOA, KFXF, KGO, KLDS, KMMJ, KOB, KPSN, KTAB, WABQ, WBAL, WBAP, WBBR, WCAD, WCAL, WCBD, WEBW, WFAA, WGBF, WGBS, WGCP, WGST, WHAR, WHAZ, WIP, WJAD, WJAZ, WLWL, WMC, WOAI, WOAW, WOI, WPG, WRC, WREO, WRR.

Eastern Time Stations

CNRO, Ottawa, Can. (435.8m-688kc), 8 p. m., Chateau Laurier concert orchestra; 9, performance of Dr. Harriss' "Seven Last Words of Christ," Hull Choral society; Chateau Laurier dance orchestra.
KDKA, Pittsburgh, Pa. (309.1m-970kc), 6:30 p. m., concert; 8:30, instrumental quartet; Will Rhodes, tenor.
PWX, Havana, Cuba (400m-750kc), 8-9 p. m., City of Havana band; [illegible] City of Havana band.
WAHG, Richmond Hill, N. Y. (315.6m-954kc), 7:45 p. m., [illegible] program; 8:15, Serenaders, plectrum quartet; 9, Raymond Mason, baritone; 9:15, Old Fashioned quartet; 10, [illegible] program.
WBZ, Springfield, Mass. (333.1m-900kc), 6:30 p. m., Hotel Kimball orchestra; 7:15, Hotel Lenox ensemble; 7, Hotel Kimball orchestra; 8, WBZ concert company.
WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert; 8, WEAF; 8:30, WEAF; 9, choir ensemble; 10, Kramer's orchestra.
WCAP, Washington, D. C. (468.5m-640kc), 7-11 p. m., U. S. Navy band concert orchestra; WEAF.
WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:15 p. m., Parodians dance orchestra; 8:10, Kane's Musical Night Adventures; 9, recital; 10, concert; 10:30, Carl Zoehrns and Lou Herscher, songs; 10:15, Frank Cook, old-time songs; 11, Artie Bittong's Cheer-up club.
WEAF, New York, N. Y. (491.5m-610kc), 6 p. m., dinner music, Waldorf-Astoria hotel; 7, synagogue services; 7:30, chamber musicale, WJAR, WOO; 8, Shinola Merrymakers and the Two-In-One Boys; 8:30, Davis saxophone octet, WOO, WCAE, WSAI, WTAG, WEEI, WGR; 9, Ipana Troubadours, WEEI, WCAP, WWJ, WCCO, WGR, WSAI, KSD; 10, "Alice In Wonderland," direction Mrs. Clare Tree Major; 11-12, Hotel Commodore orchestra.
WEBJ, New York, N. Y. (272.6m-1100kc), 8 p. m., Al's Collegians, direction Al Horwitz; 8:15, Thomas Prytherch, Welsh tenor; 9, Carrie Cohen, concert pianist; 9:15, Lew Kimless and his Cliff Crest society orchestra; Stella Goldman, pianist.
WEEI, Boston, Mass. (348.6m-860kc), 6:13 p. m., Joe Rines and his Hunters' Cabin orchestra; 7:30, Mrs. Arthur Brooks; 8-9, WEAF; 9, WEAF.
WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra.
WGBS, New York, N. Y. (315.6m-950kc), 6:30 p. m., Jersey Collegians.
WGCP, New York, N. Y. (252m-1190kc), 3 p. m., Charles Phillips, pianist; 3:20, Bobby Grey, songs; 4, Hugo Angelo, tenor; 1:30, Tracey and Mohr, entertainers; 7-8:30, Woodbridge, N. J., night.
WGHB, Clearwater, Fla. (266m-1130kc), 6:30-7:30 p. m., Graham Prince's orchestra; 7:30-8, Caroline Lee; 8:30-9:30, Realtroubadores; Florence Arlin, soprano; 11:15, Graham Prince's orchestra.
WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., 20th Century orchestra; 8, WEAF; 10, Frank Oliver and associates; 11, Peezee orchestra.
WGY, Schenectady, N. Y. (379.5m-790kc), 7 p. m., dinner program; 8:05, musical program.
WHN, New York, N. Y. (361.2m-830kc), 6 p. m., people's hour; 7, Loew's Lexington organ recital; 8, Vogue entertainers; 9, Loew's New York orchestra; 9:30, Daven Radio entertainers; 10, Roseland dance orchestra; 10:30, Anatol Friedland; 11, Silver Slipper orchestra; 12, Cotton club orchestra.
WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; violin solo, Thomas Moore; piano solo, Julia Moore.
WJAR, Providence, R. I. (305.9m-980kc), 7:30 p. m., musicale; 8, WEAF; 9, musical program; 10, WEAF.
WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Petite symphony orchestra; 7:15, Goodwill Oakland; 9, Jean Goldkette's orchestra; 11, organ; 12, Jewett Radio Jesters.
WJZ, New York, N. Y. (454.3m-660kc), 7 p. m., Hotel Commodore concert orchestra; 7:15, New York university; 8:15, Zoological society series; 8:30, Lewisohn free chamber music concert; 10:45, George Olsen's Hotel Pennsylvania grill orchestra.
WLIT, Philadelphia, Pa. (394.5m-760kc), 8:15 p. m., recital; 10, Arcadia cafe dance orchestra.
WLWL, New York, N. Y. (288.3m-1040kc), 9:15 p. m., Carr's chamber music; 9:45, McEray's concert; 10:15 p. m., songs.
WMAK, Buffalo, N. Y. (265.3m-1130kc), 7:30-8 p. m., W. J. Saunders, organist; 8-9, Hunt Avenue Baptist church; 9-10, Elizabeth Rappelaye and friends.
WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Hotel Vail and Hotel McAlpin string ensemble; 6:30, Ernie Golden and Hotel McAlpin orchestra; 8:30, mass meeting of American Federation of Labor; 10, Creole Follies; 10:30, Parody orchestra; 11, Hofbrau Haus entertainers; 11:30, Jack Denny's orchestra; 12, McAlpin entertainers.
WNYC, New York, N. Y. (526m-570kc), 7:30 p. m., Agnes Vernon's juveniles; 6:20, piano selections; 7:35, dance program; 8:30-9:30, Vlado Kolitsch's string orchestra; 9:45, program.
WOO, Philadelphia, Pa. (508.2m-590kc), 8 p. m., WEAF; 9, talk; 10, Fox theater studio program; 10:30, Sylvania dance orchestra.
WOR, Newark, N. J. (405.2m-740kc), 6:30 p. m., Jacques Jacobs' Hotel Shelton ensemble; 7:30, Zit's Central Park Casino orchestra; 9, Ballin and Rave, piano duets.
WRVA, Richmond, Va. (256.3m-1170kc), 8:10 p. m., Toano, Virginia, talent; 9:15, Richmond musical club; 10:30, instrumental trio.
WTAG, Worcester, Mass. (267.7m-1120kc), 6-7 p. m., WTAG dinner orchestra; 8-8:30, WEAF; 8:30-9, WEAF; 9-10, concert announced; 10-11, WEAF.
WTAM, Cleveland, Ohio (389.4m-770kc), 6-7 p. m., Hotel Hollenden orchestra; 8-11, program; 11-1, Guy Lombardo and his Royal Canadians.
WTIC, Hartford, Conn. (475.9m-630kc), 6:30 p. m., Hotel Bond trio; 9:15, piano recital; 9:30, organ recital.
WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 8, News orchestra; 9, dance program; 10, WEAF.

Central Time Stations

CNRW, Winnipeg, Can. (384.4m-780kc), 7:30 p. m., musical program, Irvine Plumm and his Fort Garry hotel orchestra; 8:50, second anniversary program, Mrs. J. Dillabough, pianist; Victor Scott, tenor; Irvine Plumm, cellist; Mrs. Burton Kurth, contralto; 10, supper dance program.
KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., concert, Henry Field Seed company.
KFRU, Columbia, Mo. (499.7m-600kc), 9-11 p. m., classical program.
KMA, Shenandoah, Iowa (252m-1190kc), 9-11 p. m., songs and clog dancing; Bob and Babe Riddle, Willy Cunningham, the farmer Scotchman, musical program.
KMOX, St. Louis, Mo. (280.2m-1070kc), 6 p. m., Arthur L. Utt, organist; 6:30, Mrs. Jaques Landree, organist; 7, Chamber Music concert; 8, operalogue, "Carmen"; 9, orchestra, song cycle, Kentucky Mountain songs, A. E. Meisenbach; 10, popular dance music.
KPRC, Houston, Texas (296.9m-1010kc), 7:30 p. m., Jack Wallrich's orchestra, McMillian's dancing academy; Virginia Wallrich, piano accordionist; 8:30, Frank Tilton, blind pianist; 11, West coast serenade.
KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., WEAF; 7:30, Hotel Statler orchestra; 8, WEAF.
KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9-9:30 p. m., solo night, Meyer Davis artists; 9:30-9:45, Lawson Reid, organist; 9:45-10, Heart songs, Violet Belding, contralto; 10-10:45, Southerners orchestra.
KYW, Chicago, Ill. (536m-560kc), 6-6:30 p. m., dinner music; 6:30-7, Congress hotel dinner music; 7:30-8, half hour of music; 8-9, musical program, Congress hotel; 10-12, midnight revue.
WAMD, Minneapolis, Minn. (244m-1230kc), 7:10 p. m., classical program; W. E. Peterson, baritone; Ida Sorenson, contralto; Margaret Arnold, pianist; 11, Skyrocket frolic.
WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6 p. m., midweek church service; 7, WEAF; 8, WEAF; 10:05, Marigold Garden dance orchestra.
WCOA, Pensacola, Fla. (222m-1350kc), 7 p. m., music study club.
WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., the Trianon ensemble, Hotel Muehlebach; 8-10, Handel's "Messiah"; Hardin, Mo., community chorus; play, WDAF players 11:45, Nighthawk frolic, WDAF.
WEMC, Berrien Springs, Mich. (285.5m-1050kc), 8:15 p. m., Hoosier male quartet, Kenneth Hagan, violinist; piano duet; Esther Babbitt and Jesse Tanner; Rhea Yeaher, cellist; string quartet.
WGES, Oak Park, Ill. (250m-1200kc), 8-9 p. m., orchestra; 11-1 a. m., Coyne serenaders.
WGN, Chicago, Ill. (302.8m-990kc), 6-6:45 p. m., Drake concert ensemble, Blackstone string quintet; 6:45, old-time favorites; 6:55-7, "The Million Sing"; 9-10, studio program; 10-10:10, Sam 'n' Henry; 10:10-10:20, old-time favorites; 10:20, play shop; 10:40-11, studio ensemble.
WHAD, Milwaukee, Wis. (275m-1090kc), 6:15-7 p. m., Arthur Richter, organist; 10-11:30, Wisconsin Roof orchestras; 11:30-12:30, Edmund Fitch, organist.
WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., Eddie Sleizer's orchestra.
WHB, Kansas City, Mo. (365.6m-820kc), 7-8 p. m., Milo Finley string trio, banjo and guitar selections.
WHO, Des Moines, Iowa (526m-570kc), 7 p. m., The Bankers Life Little Symphonic orchestra; 7:15-8:15, Irene Dorans Little Symphony orchestra, Fort Des Moines hotel; 8:15-9, Kate Miller, whistler, Maple Hughes, accompanist; Dr. and Mrs. H. A. Hurd, Hawaiian guitar duets; Sam Swalhalter and Bernard and Renus Lytle; Three Harmony Kings; Harry Lewis, popular songs; 11-12, dance program.
WHT, Chicago, Ill. (399.8m-750kc), 12 noon, Al Carney's complimentary organ recital; 6-7, Genevieve B. Burnham, soprano; Peter Bettner, Howard Will, tenor; Grayling's string trio, Helen Rauh, pianist; 7:15-9:15, Cinderella cafe orchestra; 9, Al Carney and Pat Barnes; 10:05, Ray-O-Vac concert; 11:15, Cinderella cafe orchestra; 11:10, Pat Barnes and Al Carney; 12, Pat Barnes and Al Carney.
WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., dinner concert; Dorothy Rae, soprano; Charles Champlin, baritone; Florence Osterman, contralto; Earl Bigelow, pianist; string trio; 10-12, popular program, William Molnaire, tenor; songs with uke, Erwin Cornelius; pianist, soprano; Herbert Schlosser, accordionist; string trio.
WJAZ, Chicago, Ill. (322.4m-930kc), 9-1 a. m., dance program, Opera club.
WKRC, Cincinnati, Ohio (325.9m-920kc), 8 p. m., Alvin Roehr and his Hotel Alms orchestra; 8:15, tenor solos, Oliver Plunkett; 9, concert orchestra; 9:40, orchestra.
WLIB, Chicago, Ill. (302.8m-990kc), 7:30-7:40 p. m., Auld Sandy; 7:40-8, musical program; 8-9, WEAF; 11-11:20, Correll and Gosden; 11:20-1 a. m., studio ensemble, dance music, harmony duos.
WLS, Chicago, Ill. (344.6m-870kc), 6 p. m., Ford and Glenn; 6:40, Maurie Sherman's College Inn orchestra; 7, lullaby time, Ford and Glenn; 7:15, Maurie Sherman's College Inn orchestra; 7:30, Armour Institute glee club; Virginia Holland, soloist; 7:45, Ralph Emerson, organist; 8, "Miss Medusa," one act play; 8:30, George Goforth band; 9, picture concert, Haydn program; 9:30, Better Music hour; 10, Ford and Glenn's music shop; 11-1 a. m., WLS circus, Ruth Etting, George Goforth's band.
WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., Robert Visconti's Hotel Gibson orchestra; 8:30 the Clifton Musical club, "Church and Music"; 9:30, Ferne Schubert, reader; 10-10:30, University of Cincinnati glee club; 10:30-10:45, the Crescendon string quartet; 10:45-11, Ralph Thomas, tenor; 11, the Crosley male quartet; 11:30, Johanna Grosse, organist.
WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Hotel LaSalle orchestra; 8:25, program, Brown University musical club; 9:55, chimes.
WMBB, Chicago, Ill. (250m-1200kc), 7-8 p. m., Trianon ensemble; 9-11, orchestras; Scotty Welch and Madison Sisters, Cecil and Esther Ward, Hawaiian guitar duo; Tracy and Duncan, Billie Allen Hoff.
WOAI, San Antonio, Texas (394.5m-760kc), 8:30 p. m., Army night, Fort Sam Houston.
WOC, Davenport, Iowa (483.6m-620kc), 7-7:30 p. m., WEAF; 9-9:30, Erwin Swindell, organist; 9:30-10:30, musical program, Augustana college.
WOK, Chicago, Ill. (217.3m-1380kc), 4:30-7 p. m., Capitol theater organ; 10-1:30 a. m., Tearney's Town club orchestra, Carl Lorraine's orchestra; Husk O'Hare's orchestra; Capitol theater program.
WOOD, Grand Rapids, Mich. (242m-1240kc), 9-10 p. m., Bill Dallavo and his Regent Roof orchestra, 10-11, Thelma Dykman, Ruth and Pearl, Roseberry-Henry's "A B C Washer Tenor," Jim Forshey, John Higbee, Marlon Cuerer; 11-12, April Fools program.
WORD, Batavia, Ill. (275.1m-1090kc), 7-7:45 p. m., program, readings; 9, I. B. S. A. service.
WOS, Jefferson City, Mo. (440.9m-680kc), 8:15-10 p. m., Camp Fire Girls; readings, Helen Tolson.
WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Ralph Williams and his Rainbo Gardens orchestra; Jean St. Anne, baritone; Christian Grimm, pianist; Agnes Pringle, violinist; Jessie Pringle, soprano and pianist; 10-1 a. m., Ralph Williams and his orchestra; Melodians; Clarence Theders, tenor, character songs; Joe Warner; Oxford girls, Gail Bandell; 1-2, Ginger hour.
WSAI, Cincinnati, Ohio (325.9m-920kc), 6:30 p. m., Frank Weight, 6:15, chime concert, Robert Badgley; 7:30, WEAF; 10:15, studio concert.
WSB, Atlanta, Ga. (428.3m-700kc), 10:45 p. m., Biltmore hotel orchestra.
WSM, Nashville, Tenn. (282.8m-1060kc), 6:30 p. m., Francis Craig's orchestra; 8, vaudeville, Mr. and Mrs. Kenneth Rose; 10, program, string quartet, pianists and [illegible].
WSOE, Milwaukee, Wis. (245.8m-1220kc), 8 p. m., "Passion Week" service; M. E. church; 9, "Candygram" soloists.

Mountain Time Stations

KFWA, Ogden, Utah (260.7m-1150kc), 9-10 p. m., dance music, Ollie Reeve and his orchestra; 10-11, Merry Mad Music Makers, 11-12, Ollie Reeves and his orchestra.
KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra; 8, Scheuerman's Colorado orchestra, 8:15, Faith Campbell, Bernice Head, male quartet; 10, Broadmoor Rhythm Hustlers.

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 5:30-6 p. m., Jim, Jack and Jean trio; 6:30, vest pocket program; 7-7:30, Orcho Synchrophase string ensemble; 7:30-8, Nick Harris' detective story; 8-9, program, Ventura Refining company; 9-10, program, Chevrolet Motor company of California; 10-11, Robert Hurd, tenor.
KFON, Long Beach, Calif. (232.4m-1280kc), 6-6:30 p. m., Brayton's theater organ; 7-8, studio program; 8-9, Press-Telegram studio; 9-10, KFON artists frolic; 10-11, Oriole orchestra.
KFWB, Hollywood, Calif. (252m-1190kc), 8-9:30, Bill Hatch's orchestra; Lilyan May Challenger, contralto; 9:30-10, Mutual Motors mirth contest; 10-11, Warner Brothers frolic.
KGO, Oakland, Calif. (361.2m-830kc), 6-6:55 p. m., twilight concert.
KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert, 8-9, Seventh U. S. Infantry band; 9-10, frolic; 10-11, concert.
KHJ, Los Angeles, Calif. (405.2m-740kc), 8-10 p. m., program, The Fraternal Brotherhood.
KJR, Seattle, Wash. (384.4m-780kc), 7-8:30 p. m., Bab's Lady orchestra; 8:30-10, studio program.
KMTR, Hollywood, Calif. (238m-1260kc), 8-10 p. m., KMTR concert orchestra, Loren Powell, director; Dan Oridley, tenor; 10-11, Starr Piano company studio.
KNX, Hollywood, Calif. (336.9m-890kc), 6:30 p. m., Leighton's cafeteria orchestra; 6:30-7, Atwater Kent concert orchestra; 7-9, KNX feature program; 9-10, program, Daley's 165 grocery stores; 10-11, dance music; 11-12, Ray West's Cocoanut Grove dance orchestra from the Ambassador.
KOWW, Walla Walla, Wash. (250.3m-1170kc), 8-10 p. m., studio program; 10-12, dance music.
KPO, San Francisco, Calif. (428.3m-1000kc), 6:30-7 p. m., States restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel orchestra; 8-9, Atwater Kent artists; 9-10, Goodrich Silvertown Cord orchestra; 10-11, States restaurant orchestra; 11-12, Henry Halstead's orchestra.
KTAB, Oakland, Calif. (239.9m-1250kc), 8-10 p. m., program, Western States Life Insurance company.
KWSC, Pullman, Wash. (348.6m-860kc), 8-10 p. m., High School Girl's sextet; Dorothy Hutchison; Ruth Huebner, pianist; Margaret Wagner, reader.

DANCING

Central Time

Saturday, March 27: 8, Wjr, W[illegible], Wpg; 8:30, Wfaa; 8:35, Wgy; 9, Webh, Weei, Wmbb, Wnyc, Wreo; 9:10, Kths, Wip; 9:30, Kths, Wgbs, Wor, Wrc; 10, Kfve, Kfwa, Koa, Kpo, Weaf, Wgn, Wjr, Wcre, Wmca, Wnyc, Wor, Wqj, Wreo, Wtam; 10:05, Wcco; 10:30, Wamd; 10:45, Wls; 11, Kfpc, Kfwa, Kfwb, Kpo, Webh, Wfaa, Wgbu, Who, Woc; 11:30, Kfoa; 11:45, Wdaf; 12, Kfwa, Kgo, Kgw, Knx, Wgbu, Wjjd.

Monday, March 29: 8, Wgep; 9, Weei, Wgbu, Wjar, Wor; 9:15, Wahg; 10, Kths, Wgbu, Wgep, Wgr, Wnyc, Wpg; 10:15, Wor; 10:30, Kfoa, Wgep, Who; 11, Kgw, Koil, Wgbu, Wgep, Wer, Whn, Who; 11:45, Wdaf; 12, Knx, Kpo.

Tuesday, March 30: 9, Webh, W[illegible], Wmbb; 9:30, Wcau, Wgbs, Wgy, Wip; 9:35, Wnyc; 10, Kfve, W[illegible], Weaf, Webh, Wgbu, Wgn, Whn, Wmca, Wnyc, Wpg; 10:15, Kths; 10:30, Kths, Whn; 10:45, Wsb; 11, Kgw, Koil, Wgbu, Whn; 11:30, Kfoa; 11:45, Wdaf; 12, Kgw, Khj, Knx, Kpo, Wdaf; 1, Wjjd.

Wednesday, March 31: 9, Wcx, Webh, Wgbu, Wgep, Whn, W[illegible], Wmbb, Wmca, W[illegible]; 9:15, Wahg; 9:30, Whap, Who, Wor; 10, Kfve, Whap, Weaf, Wgbu, Wgep, Wqj; 10:05, Wcco; 10:30, Whap, Who; 11, Koil, Kpo, Webh, Wgbu, Wgep, Whn; 11:15, Wdaf; 12, Kfoa, Knx, Kpo, Wjjd.

Thursday, April 1: 8, Wjr; 9, Webh, Weei, Wgbu, W[illegible], Wjr, Wmbb, W[illegible], Wabc; 9:05, Whn, Wip; [illegible], Wgb, Wgy, Who; [illegible]; 10, Kths, [illegible], Weaf, Wgbu, Whn, W[illegible], Wpg, Wqj; 10:30, Kths, Whn, Webh, W[illegible], Wfn, Wcx; 11:15, W[illegible]; 12, Kgo, Khj, Knx, K[illegible], Wjjd.

Friday, April 2: 8, Wqj; 9, Webh, Weei, W[illegible], Wgep, Wmbb; 9:15, [illegible]; Wcau, Wh[illegible], [illegible], Kfve, Kpo, Kths, [illegible], Wcep, Whn, W[illegible]; 10:05, [illegible].

EDUCATIONAL FEATURES

Monday, March 29
Eastern 6:30 p. m. | Central 5:30 p. m. | Mountain 4:30 p. m. | Pacific 3:30 p. m.
WNYC (526m-570kc) German lessons, V. H. Berlitz.
7 | 6 | 5 | 4
WEAF (491.5m-610kc) Columbia university lecture.
WTAG (268m-1120kc) Science Talk, Fred D. Aldrich.
8:15 | 7:15 | 6:15 | 5:15
KDKA (309.1m-970kc) "What Makes a Good Short Story," Percival Hunt.
8:30 | 7:30 | 6:30 | 5:30
WSUI (483.6m-620kc) College of the Air.
8:40 | 7:40 | 6:40 | 5:40
KFKU (275m-1090kc) "Medieval History of the Earth," Dr. R. C. Moore.
9:30 | 8:30 | 7:30 | 6:30
WHAZ (379.5m-790kc) Address, Dr. Matthew A. Hunter.
9:35 | 8:35 | 7:35 | 6:35
KSL (299.8m-1000kc) "The Story of French," Prof. Walter Kerr.
10 | 9 | 8 | 7
KOA (322.4m-930kc) Spanish lesson.
11 | 10 | 9 | 8
KOA (322.4m-930kc) Voice culture.

Tuesday, March 30
Eastern 7 p. m. | Central 6 p. m. | Mountain 5 p. m. | Pacific 4 p. m.
WKAR (285.5m-1050kc) Nature study.
7:10 | 6:10 | 5:10 | 4:10
WEAF (491.5m-610kc) French course.
WRC (468.5m-640kc) Radio school of international relations.
7:30 | 6:30 | 5:30 | 4:30
KSAC (340.7m-880kc) Better speech, etiquette, economics.
WBZ (333.1m-900kc) Journalism, Edward E. Whiting.
WEAO (293.9m-1020kc) "The Menace of Propaganda," Prof. F. E. Lumley.
7:45 | 6:45 | 5:45 | 4:45
WTAG (268m-1120kc) Worcester Tech's Professor.
8:15 | 7:15 | 6:15 | 5:15
KDKA (309.1m-970kc) "Looking Inside the School," Dr. S. B. Davis.
9:05 | 8:05 | 7:05 | 6:05
KFAB (340.7m-880kc) Business English.
WMAQ (447.5m-670kc) lecture, University of Chicago.

Wednesday, March 31
Eastern 6:30 p. m. | Central 5:30 p. m. | Mountain 4:30 p. m. | Pacific 3:30 p. m.
WNYC (526m-570kc) Spanish lesson, V. H. Berlitz.
7:30 | 6:30 | 5:30 | 4:30
WBZ (333.1m-900kc) Radio nature league, Thornton W. Burgess.
WMCA (340.7m-880kc) Spanish lesson.
7:40 | 6:40 | 5:40 | 4:40
WTAG (268m-1120kc) Spanish lesson, Mrs. John de la Parra.
7:45 | 6:45 | 5:45 | 4:45
WJZ (454.3m-660kc) New York University.
Eastern 8:15 p. m. | Central 7:15 p. m. | Mountain 6:15 p. m. | Pacific 5:15 p. m.
WJZ (454.3m-660kc) Zoological society series.
8:30 | 7:30 | 6:30 | 5:30
WEAO (293.9m-1020kc) "Petroleum in Venezuela," E. Z. O'Rourke.
WSUI (483.6m-620kc) College of the Air.
9 | 8 | 7 | 6
WMAQ (447.5m-670kc) lecture, Northwestern university.
WRVA (256.3m-1170kc) talk, Braille Circulating Library.
WTIC (475.9m-630kc) "Public Speaking," Prof. W. E. Peck.
9:35 | 8:35 | 7:35 | 6:35
KSL (299.8m-1000kc) The history of Spanish, Prof. Lawrence Levin.
10:30 | 9:30 | 8:30 | 7:30
KHJ (405.2m-740kc) Astronomy, Dr. Mars Baumgardt.
11 | 10 | 9 | 8
WSAI (325.9m-920kc) U. of Cincinnati.

Thursday, April 1
Eastern 7 p. m. | Central 6 p. m. | Mountain 5 p. m. | Pacific 4 p. m.
WKAR (285.5m-1050kc) Nature Study series.
7:45 | 6:45 | 5:45 | 4:45
WRC (468.5m-640kc) Smithsonian talk.
8:30 | 7:30 | 6:30 | 5:30
WSUI (483.6m-620kc) Correspondence courses.
9 | 8 | 7 | 6
KUOA (299.8m-1000kc) lectures, University Extension.
10 | 9 | 8 | 7
WMAQ (447.5m-670kc) lecture, University of Chicago.

Friday, April 2
Eastern 6:30 p. m. | Central 5:30 p. m. | Mountain 4:30 p. m. | Pacific 3:30 p. m.
WNYC (526m-570kc) French lesson.
7 | 6 | 5 | 4
WKAR (285.5m-1050kc) Nature study series.
7:30 | 6:30 | 5:30 | 4:30
KSAC (340.7m-880kc) Travelogue.
WAHG (315.6m-950kc) Speech culture, Prof. R. B. Mayne.
7:35 | 6:35 | 5:35 | 4:35
WGY (379.5m-790kc) French lesson, Leon A. Huguenot.
7:45 | 6:45 | 5:45 | 4:45
WJZ (454.3m-660kc) New York university.
8 | 7 | 6 | 5
KDKA (309.1m-970kc) University of Pittsburgh address.
WPG (299.8m-1000kc) "Education of Colored Children in Atlantic City," T. Montgomery Gregory.
10 | 9 | 8 | 7
WMAQ (447.5m-670kc) lecture, University of Chicago.
10:15 | 9:15 | 8:15 | 7:15
WTIC (475.9m-630kc) Cartoon lessons, Bud Kingston.
10:35 | 9:35 | 8:35 | 7:35
KSL (299.8m-1000kc) "The Story of German," Prof. B. A. Jacobson.

Thursday, April 1

Headliners Today

Eastern 8:15 p. m. | Central 7:15 p. m. | Mountain 6:15 p. m. | Pacific 5:15 p. m.
WTIC (475.9m-630kc) Williams college musical club.
8:30 | 7:30 | 6:30 | 5:30
WHAS (399.8m-750kc) Virginia Vetter's entertainers.
9 | 8 | 7 | 6
KDKA (309.1m-970kc) Cantata.
WHB (365.6m-820kc) Operatic selections.
10 | 9 | 8 | 7
KPRC (296.9m-1010kc) Glee club.
KTHS (374.8m-800kc) Comic opera selections.
11 | 10 | 9 | 8
KGO (361.2m-830kc) "Hazel Kirke" comedy drama.
KGW (491.5m-610kc) Vaudeville program.
KPO (428.3m-1000kc) Shrine night.
12 | 11 | 10 | 9
KFHL (277.6m-1080kc) Hotsy Totsy hour.
WBAP (475.9m-630kc) "A Step on the Stairs" mystery serial.
WLW (422.3m-710kc) April Foolishness.
WOC (483.6m-620kc) Jack Little.

Thursday, silent night for: CHIC, CKNC, CNRA, CNRE, CNRO, CNRR, CNRT, CNRV, CNRW, KFAB, KFAU, KFDM, KFEQ, KFMX, KFOA, KFUO, KFVE, KFWA, KLX, KMOX, KOA, KOAC, KOB, KWSC, PWX, WABQ, WAFD, WAHG, WCAP, WCEE, WDOD, WEAO, WEBJ, WEBW, WEMC, WGBF, WHAD, WHAZ, WJJD, WMAK, WMAZ, WOR, WOS, WSM, WSUI, WTAM.

Eastern Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 6:30 p. m.,

SPECIAL SHRINE PROGRAM AT WHB

Thursday, April 1

dinner concert; St. Peter's Lutheran choir; Edith Frazier Rankin, soprano; Jean McCrory Newman, contralto; Vincent Kroen, tenor; C. Frederick Newman, bass-baritone; Little Symphony orchestra, accompanist; 11, Pittsburgh Post midnight revue.

WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., dinner program; 7:30-8, organ recital, Frederick Weaver; 8, Dubois' oratorio, "Seven Last Words of Christ," choir.

WBBR, Staten Island, N. Y. (272.6m-1100kc), 8 p. m., Clarion quartet; Elizabeth Paul, soprano.

WBZ, Springfield, Mass. (333.1m-900kc), 6:30 p. m., Hotel Kimball orchestra; 6:45, Hotel Lenox ensemble; 7, Hotel Kimball orchestra; 8, musical program; 9, John E. Shea, ukulele soloist; 9:15, Mrs. Dora Boedeker Gottsche, mezzo-soprano; 9:30, Arthur Clifton, organist.

WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert; 8, WEAF; 8:30, WEAF; 9, WEAF; 10, Silvertown Cord orchestra.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:30 p. m., Cathay Tea Garden dance orchestra; 7:30, Snellenburg Symphony orchestra; 8, the Mitchell Gondolier; 8:15, recital; 8:45, the Kandy Kids; 9, Barry O'Moore, Irish tenor; 9:30, the Musical Chefs; 9:45, Professor Doolittle; 10, Sesqui-Centennial hour; 11, Parodians dance orchestra; 11:30, Club Cadix revue.

WEAF, New York, N. Y. (491.5m-610kc), 6 p. m., dinner music, Hotel Waldorf-Astoria; 7:30, Ballin and Race, piano duo; 8, Ladies' Victory quartet; 8:30, Hire's Harvesters; 9, Clicquot Club Eskimos; 10, Goodrich Silvertown Cord orchestra; 11, Vincent Lopez and orchestra.

WEEI, Boston, Mass. (348.6m-860kc), 7:30 p. m., Rickenbacker's Olde Homestead group; 8-11, WEAF.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra; 8-11, WEAF.

WGBS, New York, N. Y. (315.6m-950kc), 9 p. m., Crystal Palace orchestra; 10:30, orchestra.

WGCP, New York, N. Y. (252m-1190kc), 3 p. m., Ora Welsh, pianist; 3:30, Frank Gallasi, ukulele; 3:45, Dorothy Bleichrod, pianist; 4:10, Ed Gillis, songs; 4:30, Al Wilson entertainers; 4:45, studio program; 10:30, Irving Firstenberg, pianist; 10:45, studio program; 11, Piotti and Val; 11:15, Katherine Adolph, soprano; 11:30, Strickland's orchestra; 12-2 a. m., midnight program.

WGHB, Clearwater, Fla. (266m-1130kc), 6:30-7:30 p. m., Belleair Estates orchestra; 11:30-1, midnight ramble.

WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., Hotel Statler dance orchestra; 9, WEAF.

WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., Ten Eyck trio; 7:45, program; 9, WJZ; 10, WGY orchestra; Frank Erwin, tenor; 11:30, Stephen E. Boisclair, organist.

WHAR, Atlantic City, N. J. (275m-1090kc), 8 p. m., Seaside hotel ensemble; 11, dance orchestra.

WHN, New York, N. Y. (361.2m-380kc), 6 p. m., Treasureland Neighbors; 6:30, people's hour; 7:30, music; 8, Will Oakland's Chateau; 8:30, Mathushek half-hour beautiful; 9-9:30, Al Herman's broadcasting entertainment; 10:30, Leroy Smith's orchestra; 11, Joe Ward's Swanee entertainers; 11:30, Everglades orchestra; 12, Al Raymo's entertainers.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Pagoda cafe orchestra; 7, Uncle Wip's bedtime stories; Millicent Morse, songs; 8:15, the Y. M. and Y. W. H. A. chorus and orchestra; 10:05, Nelson Maples and his S. S. Leviathan orchestra.

WJAR, Providence, R. I. (305.9m-500kc), 8 p. m., Robert W. Power's orchestra; 9-11, WEAF.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Petite symphony orchestra; 7:30, realtors; 9, orchestra; 10, dance music.

WJZ, New York, N. Y. (454.3m-660kc), 7 p. m., Hotel Vanderbilt orchestra; 7:45, Judge, Jr.; 8, WRC; 8:30, First National Pictures, WRC; 9, Royal Typewriter salon orchestra, WRC, WGY, WCAD; 10, Record Boys; 10:45, Freddie Rich and his Hotel Astor dance orchestra.

WMAK, Buffalo, N. Y. (265.3m-1130kc), 6:15-7:15 p. m., Hotel Lafayette orchestra; 7:30-8, program, Brookshire Cheese company.

WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Olcott Vail and Hotel McAlpin string ensemble; 6:30, Parody orchestra; 7, Twin Oaks orchestra; 7:15, Arthur West's Sirens; 8:30, Snedden Weir, baritone; 10:30, Tango orchestra; 11, Hotel McAlpin orchestra; 12, Broadway night.

WNYC, New York, N. Y. (526m-570kc), 8 p. m., Henry Duval, concert violinist; 8:30, song recitals; 9:15-10:10, Original Black Diamond Serenaders.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Ritz Carlton dance orchestra; 8, recital, 9:25, Fox theater program; 10:15, organ recital, Mary V. Vogt; 10:30, Sylvania orchestra.

WOR, Newark, N. J. (405.2m-740kc), 6:30 p. m., Jacques Jacobs' Hotel Shelton ensemble.

WPG, Atlantic City, N. J. (299.8m-1000kc), 6:45 p. m., organ recital, Arthur Scott Brook; 7, Hotel Ambassador music; 8:15, concert, Atlantic Board of Education; 10, Atlantic City estates dance orchestra; 11, Eddie McKnight's orchestra.

WRC, Washington, D. C. (468.5m-640kc), 8 p. m., U. S. Army band, WJZ; 8:30, WJZ; 9, WJZ; 10, WJZ; 10:30, Meyer Davis' Le Paradis band.

WRVA, Richmond, Va. (256.3m-1170kc), 9:30 p. m., "Edgeworth party night," music.

WTAG, Worcester, Mass. (267.7m-1120kc), 8-8:30 p. m., WEAF; 9-10, WEAF; 10-11, WEAF.

WTAM, Cleveland, Ohio (389.4m-770kc), 6-7 p. m., Austin Wylie's Vocalion Recording orchestra.

WTIC, Hartford, Conn. (475.9m-630kc), 6:50 p. m., Hotel Bond trio; 8:15, Williams college musical clubs.

WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 8, WEAF.

Central Time Stations

KFRU, Columbia, Mo. (499.7m-600kc), 6:15 p. m., dinner music.

KLDS, Independence, Mo. (440.9m-680kc), 8 p. m., monthly program, Independence Council Parent-Teacher association.

KMA, Shenandoah, Iowa (252m-1190kc), 9-11 p. m., Delmonico Dreamers' dance orchestra.

KOIL, Council Bluffs, Iowa (277.6m-1080kc), 6:05 p. m., Marie Salisbury, violinist; Olivetta Salisbury, pianist; Katherine Skinner, cellist; 6:30, Imperial dance orchestra; 7:15, Sleepy Time Girl; 7:30, program; 11, Hotsy Totsy hour.

KPRC, Houston, Texas (296.9m-1010kc), 7:30 p. m., Blanchard's orchestra; 8:30, Skyline studio concert; 9, Southern Pacific Lines glee club.

KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., WEAF; 7:30, WEAF; 9, WEAF.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9-9:30 p. m., comic opera selections, Eastman hotel orchestra; 9:30-9:45, baritone recital, W. C. Brown, Arthur Platz, accompanist; 9:45-10:15, New Arlington dance orchestra; 10:15-10:45, Mens' quartet; 10:45-11:15, Meyer Davis dance orchestra.

KUOA, Fayetteville, Ark. (299.8m-1000kc), 8:40 p. m., University orchestra; Ozark theater organ.

KYW, Chicago, Ill. (536m-560kc), 6-6:30 p. m., concert; 6:30-7, dinner music, Congress hotel; 8:20-9, musical program; 9-10, hour of music; 10-12, midnight revue.

WAMD, Minneapolis, Minn. (244m-1230kc), 6:15 p. m., dinner concert, George Osborn and his orchestra; 7:30, Junior Gardeners; 11:30, organ recital.

WBAP, Fort Worth, Texas (475.9m-630kc), 6 p. m., dinner music; 7:30, Davis Baking Powder saxophone octet; 9:30, Fort Worth conservatory of music; 11, First episode, "A Step on the Stairs," mystery serial; 11:30, Pantages theater.

WCAL, Northfield, Minn. (336.9m-890kc), 7 p. m., program, Norwegian Lutheran church of America.

WCBD, Zion, Ill. (344.6m-870kc), 8 p. m., mixed quartet; organ and celestial bells.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 7 p. m., WEAF; 7:30, Northern Pacific program; 8-10, WEAF; 10:20, Golden Pheasant orchestra.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., the Trianon ensemble; 11:45-1 a. m., Nighthawk frolic; Johnnie Campbell's orchestra; Ted Weems Victor Recording orchestra.

WGES, Oak Park, Ill. (250m-1200kc), 8-9 p. m., orchestra; 11-1 a. m., Coyne serenaders.

WGN, Chicago, Ill. (302.8m-990kc), 6:30-6:45 p. m., Drake concert ensemble, Blackstone string quintet; 6:45, old-time favorites; 6:55-7, "The Million Sing"; 8-10, WEAF; 10, Sam 'n' Henry; 10:10, old-time favorites; 10:20, play shop; 10:40-11, studio ensemble.

WHAD, Milwaukee, Wis. (275m-1090kc), 6:15-7 p. m., Bill Benning's Milwaukee Athletic club orchestra; 8:30-10:30, orchestra.

WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., Virginia Vetter's entertainers.

WHB, Kansas City, Mo. (365.6m-820kc), 7-7:45 p. m., organ concert; 8-9, operatic selections, string quartet; 9-10, musical program; Thomas Healey, basso; Mrs. W. Lyons, soprano; Mrs. Ralph Street, violinist; ukulele songsters, Harry Taylor, Sam Martin; Mrs. H. Taylor, pianist.

WHO, Des Moines, Iowa (526m-570kc), 7:30-8 p. m., the Raleigh quintet; 8-9, Bankers Life trio; 11-12, the Bankers Life Corn Sugar orchestra.

WHT, Chicago, Ill. (399.8m-750kc), 12 noon, Al Carney's complimentary organ recital; 6 p. m., dinner organ recital, Al Carney; 6:30, Hugh Aspinwall, tenor; Grayling's string trio; 6:45, Swedish program; 9:15, Cinderella cafe orchestra; 9:30, Kitchen Klenzer Klassics; 9:50, Jack Turner, singers; Jack Marshall, pianist; 10:10, U. S. L. entertainers; male quartet; 11:30, Pat Barnes and Al Carney; 12, Pat Barnes and Al Carney.

WJAZ, Chicago, Ill. (322.4m-930kc), 9 p. m., chimes; Scottish male chorus; Mildred Bolan, contralto; Grace Hanson, violinist; Charles Graves, tenor; Mary Pearce Niemann, pianist.

WJJD, Mooseheart, Ill. (370.2m-810kc), 2-3 p. m., Howard L. Peterson, organist; 4-5, music, children; 5:30-7, Jack Nelson; Palmer House symphonic players; Howard L. Peterson, organist; Palmer House Victorians; Salvation Army band; 12:30 a. m., Palmer House Victorians; Jack Nelson.

WLIB, Chicago, Ill. (302.8m-990kc), 7:30-8 p. m., WEAF; 11-11:20, Correll and Gosden; 11:20-1 a. m., studio ensemble, dance music, harmony duos.

WLS, Chicago, Ill. (344.6m-870kc), 6 p. m., trio; 6:40, Maurie Sherman's College Inn orchestra; 7, lullaby time, Ford and Glenn; 7:15, Sherman's College Inn orchestra; 7:30-7:55, Salvation Army staff band.

WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., Robert Visconti's Hotel Gibson orchestra; 10:03, French-Bauer hour, Doherty Melody boys; 11, an hour of "April Foolishness"; 12, dance music, Castle Farm; 12:15, Night Howls, the Crosley Pups.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Hotel La Salle orchestra; 9:20, WMAQ players; 9:55, chimes.

WMBB, Chicago, Ill. (250m-1200kc), 7-8 p. m., Trianon ensemble, Norwegian music; Trianon trio; 9-11, orchestras; Trianon duo; Bob Duffy, baritone; C. Keithley, tenor.

WOAI, San Antonio, Texas (394.5m-760kc), 8:30 p. m., Mistletoe Melody Maids.

WOAW, Omaha, Neb. (526m-570kc), 6 p. m., Dorothy Lowden, harpist; F. M. Mills, trumpeter; 6:20, Manna Kea trio; 6:50, Randall's Royal Fontenelle orchestra; 9, deluxe program.

WOC, Davenport, Iowa (483.6m-620kc), 7-7:30 p. m., WEAF; 8-9, WEAF; 9-10, WEAF; 11-12, LeClaire hotel orchestra; Jack Little.

WOK, Chicago, Ill. (217.3m-1300kc), 4:30-7 p. m., Capitol theater organ; studio program; 10-1:30 a. m., dance music; Capitol theater program.

WORD, Batavia, Ill. (275.1m-1090kc), 8 p. m., Webster hotel trio; 8:30, studio recital, Cosmopolitan School of Music.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Clement Laskowski, tenor; Margaret Cade, soprano; Madeline Ruff, pianist; Ralph Williams and his orchestra; 10-1 a. m., Ralph Williams and Skylarks; H. Lucille Long, harmonica player; Romo Vincent, baritone; Clark's Hawaiian trio; artists; 1-2, Ginger hour.

WSAI, Cincinnati, Ohio (325.9m-920kc), 7 p. m., Frank Wright; 7:30, WEAF; 8, WEAF; 9, WEAF.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., program, E. W. Wilson, Lucie Moore; 10:45, Charles A. Sheldon, Jr., organist.

Mountain Time Stations

CFAC, Calgary, Can. (435.8m-688kc), 9-11 p. m., Haydn male quartet.

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra.

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 5:30-6 p. m., Bamboo Gardens orchestra; 7-8, program, students of U. S. C.; 8-9, program, Rexall stores of California and Arizona; 9-10, program, Chickering Hall; 10-11, popular hour.

KFON, Long Beach, Calif. (232.4m-1280kc), 6:30 p. m., Brayton's theater organ; 7:30-8, Long Beach Municipal band; 8:15-9, Long Beach Municipal band; 9-11, Lake's club orchestra.

KFWB, Hollywood, Calif. (252m-1190kc), 8-9 p. m., Frazier orchestra, Albert Keglovich, violinist; Estelle Shake, blues singer; 9-10, Don P. Smith, Inc., Diana-Moon dance orchestra; Sol Hoopii's Hawaiians, Ashley Sisters; 10-11, Warner Brothers frolic.

KGO, Oakland, Calif. (361.2m-830kc), 8-9 p. m., Conn Instrument company orchestra, Marimba band, popular concert; Cowell Dein, banjoist; Conn trio; Londo Gelani, tenor; Al Hyndman, pianist; 9-10, Finnish music program; Saima Bloomquist, pianist; mixed chorus; Martha Jalava, mezzo soprano; 10-1 a. m., Brokaw and his dance orchestra.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-10, vaudeville.

KHJ, Los Angeles, Calif. (405.2m-740kc), 8-10 p. m., program, Cochran Brothers company.

KJR, Seattle, Wash. (384.4m-780kc), 7-8:30 p. m., Eureka mixed quartet; 8:30-10, Puget Sound Savings and Loan association orchestra; 10:30-12, Keep Joy Radiating Order of Bats.

KMTR, Hollywood, Calif. (238m-1260kc), 6-7 p. m., Starr Piano company studio; 8-10, KMTR concert orchestra; Florence Mason Tatsch, soprano.

KNX, Hollywood, Calif. (336.9m-890kc), 5:30, Leighton's cafeteria orchestra; 6:30-7, Atwater Kent concert orchestra; 7-8, program, H. L. Crockett Hudson-Essex company; 8-9, program, Willys-Overland dealers; 9-10, program, Frazier Mountain Park; 10-11, KNX feature program; 11-12, Ray West's Cocoanut Grove dance orchestra.

KPO, San Francisco, Calif. (428.3m-1000kc), 6:30-7 p. m., States restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel orchestra; 8-10, Islam temple band, chanters; 10-11, Cabiria cafe dance orchestra; 11-12, Henry Halstead's orchestra.

KPSN, Pasadena, Calif. (315.6m-950kc), 8-9 p. m., Pasadena chamber of commerce.

KTAB, Oakland, Calif. (239.9m-1250kc), 8-10 p. m., program.

"The Bohemian Girl" is the feature Friday, March 26, at WHAS, Louisville. The Operatic ensemble of the Greater Louisville Savings and Building association is giving the production.

Friday, April 2

Headliners Today

Eastern	Central	Mountain	Pacific
8:15 p. m.	7:15 p. m.	6:15 p. m.	5:15 p. m.

WGY (379.5m-790kc) "A Step on the Stairs," mystery serial.

8:30	7:30	6:30	5:30

WHO (526m-570kc) University quartet.

9	8	7	6

WBZ (333.1m-900kc) Good Friday program.
WDAF (365.6m-820kc) Negro spirituals.
WSM (282.8m-1060kc) Easter program.
WTIC (475.9m-630kc) "Seven Last Words," symphony.

9:30	8:30	7:30	6:30

WGY (379.5m-790kc) "The Boy Who Discovered Easter," play.

10	9	8	7

KOA (322.4m-930kc) Good Friday service.
WJZ (454.3m-660kc) WGY Baldwin hour.

10:30	9:30	8:30	7:30

KTHS (374.8m-800kc) Novelty program.
WOC (483.6m-620kc) Jack Little.

11	10	9	8

KFI (467m-640kc) Good Friday program.
KGO (361.2m-830kc) "The Darkest Hour," cantata.

1:30 a. m.	12:30 a. m.	11:30	10:30

KGW (491.5m-610kc) "Keep Growing Wiser Order of Hoot Owls.

Friday, silent night for: CFAC, CHIC, CKNC, CKY, CNRC, CNRM, CNRO, CNRR, CNRW, KFAU, KFEQ, KFKU, KFWA, KFXF, KFAU, KLDS, KPRC, KPSN, KUOA, KUOM, PWX, WBBR, WCAD, WCBD, WEAO, WEBW, WGBS, WGST, WHAZ, WIP, WJAZ, WKRC, WLW, WLWL, WMAK, WNAD, WRC, WREO, WRVA, WSAI, WSMB, WSUI, WTAM.

Eastern Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 6:30 p. m., dinner concert; 10:10, Teaberry time.

WAHG, Richmond Hill, N. Y. (315.6m-945kc), 8 p. m., organ recital, Skinner Organ company; 9, "The Crucifixion," Sir John Stainer.

WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., WBAL dinner orchestra; 7:30-8, organ program, Frederick Erickson; 8-9, Good Friday program, "Lamentations of Palestrina," choir; 9-10, concert trio, Michael Weiner, violinist; Leroy Evans, pianist; Samuel Stern, cellist.

WBZ, Springfield, Mass. (333.1m-900kc), 6:30 p. m., Hotel Kimball orchestra; 7, Hotel Lenox ensemble; 8, Cook's Butterfly ballroom; 8:30, Clara Larsen, pianist; Edith Woodman, soprano; 9, Good Friday program; 10, Baldwin hour.

WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert; 8, studio program; 9:30, WEAF; 10:30, WEAF.

WCAP, Washington, D. C. (468.5m-640kc), 6 p. m.-12:30 a. m., Mozart string quintet; WEAF.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:45 p. m., Hotel Pennsylvania orchestra; 7:30, Snellenburg instrumental trio; 8, recital; 8:30, the Singing Groundhog; 8:45, the Bryan Girl; 9:15, Dwight Strickland, "poetician"; 9:30, the Sea Gulls dance orchestra; 10, songs; 10:30, Myers' Musical architects.

WEAF, New York, N. Y. (491.5m-610kc), 6 p. m., Hotel Waldorf-Astoria; 7, Vlado Kolipsch, violinist; 7:45, Jessie Covington, pianist; 8:15, Myrtle Stitt Mason, contralto; 8:30, Eagle Neutrodyne trio; 9-10, Mount Oliver Calvary; 10, Whittall Anglo-Persians; 10:30-11:30, "Seven Last Words."

WEBJ, New York, N. Y. (272.6m-1100kc), 7 p. m., Blenheim theater ensemble, direction Sol Klein; 7:45, Isabel Henderson, soprano; 8, W. C. Ihlefeld, concert pianist; 8:15, Jack Maroney, the ukulele kid; 8:30, Al Ciccone's Harlem Tea Garden orchestra.

WEEI, Boston, Mass. (348.6m-860kc), 7:30 p. m., Whiting Milk company program; 8:30, musicale; 8:30, Neapolitan Ice Cream company program; 9, musicale; 9:30, Carter's Incas; 10, WEAF.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra.

WGBS, New York, N. Y. (315.6m-950kc), 6:30 p. m., Anzell's orchestra.

WGCP, New York, N. Y. (252m-1190kc), 3 p. m., Elvira Ross Geiger, pianist; 3:30, Marie Kalla, soprano; 3:45, Sherman and Neal, songs; 4:15, studio program; 4:45, Rubey Cowan, songs; 5:10, Clarence Profit, pianist; 7, China Royal orchestra; 7:30, Billy Ihlefeld, singing pianist; 8, Milt Simpson, comedian.

WGHB, Clearwater, Fla. (266m-1130kc), 6:30-7:30 p. m., Mandalay orchestra; 8:30-10, Maurice Thayer, director; 11:30-1, Mandalay orchestra.

WGR, Buffalo, N. Y. (319m-940kc), 2 p. m., Good Friday program; 6:30, the Californians orchestra; 7:30, WEAF; 8, piano program, Hamilton A. Dakers; 9:30, Club Royale orchestra; 10, WEAF; 10:30, Hewitt Humorists; 11, Vincent Lopez Hotel Statler dance orchestra.

WGY, Schenectady, N. Y. (379.5m-790kc), 7 p. m., Eastman theater orchestra; 8:15, "A Step on the Stairs"; 8:30, Stainer chorus choir; Henry W. Stewart, organist; 9:30, WGY orchestra; one-act play, "The Boy Who Discovered Easter"; 10, musical program.

WHAR, Atlantic City, N. J. (275m-1090kc), 8 p. m., Seaside hotel concert ensemble.

GENERAL TALKS AND SPEECHES

Saturday, March 27

Eastern	Central	Mountain	Pacific
6:15 p. m.	5:15 p. m.	4:15 p. m.	3:15 p. m.

WOR (405.2m-740kc) Sport talk, Bill Wathey.

8	7	6	5

WEAF (491.5m-610kc) "What I know about Architecture," Harvey Wiley Corbett.

8:10	7:10	6:10	5:10

WRC (468.5m-640kc) address, James M. Beck.

8:45	7:45	6:45	5:45

WPG (299.8m-1000kc) "Golf," Kendall H. Read.

9	8	7	6

WCCO (416.4m-720kc) "Fireside Philosophies." Rev. Roy L. Smith.

9:30	8:30	7:30	6:30

WMAQ (447.5m-670kc) "New Zealand," Capt. Kilroy Harrison.

9:45	8:45	7:45	6:45

KHJ (405.2m-740kc) History story, Prof. Hertzog.

Monday, March 29

Eastern	Central	Mountain	Pacific
7 p. m.	6 p. m.	5 p. m.	4 p. m.

WDAF (365.6m-820kc) Address, Edgar A. Linton.

7:30	6:30	5:30	4:30

WHAR (275m-1090kc) Book Review, Edna Miriam Hoopes.

9	8	7	6

WAHG (315.6m-950kc) "Florence," Major Dent Atkinson.
WMCA (340.7m-880kc) Christian Science lecture.
WRVA (256.3m-1170kc) "Virginia Folk Lore," Dr. Douglas Freeman.

11:25	10:25	9:25	8:25

KGO (361.2m-830kc) "Chats About New Books," Joseph Henry Jackson.

Tuesday, March 30

Eastern	Central	Mountain	Pacific
7:20 p. m.	6:20 p. m.	5:20 p. m.	4:20 p. m.

WLW (422.3m-710kc) "The Big Tree of California," Willis T. Sparhawk.

7:30	6:30	5:30	4:30

WHAR (275m-1090kc) "Glimpses Through the Stage Door," Mort Elseman.

9	8	7	6

WGY (379.5m-790kc) Talk, Percy R. Scott.
WMAQ (447.5m-670kc) Book talk, Harry Hansen.
WRC (468.5m-640kc) Washington's Political situation, Frederic W. Wile.

10	9	8	7

WJZ (454.3m-660kc) Grand tour, London.

10:30	9:30	8:30	7:30

WCCO (416.4m-720kc) "Outdoors in Minnesota."

Wednesday, March 31

Eastern	Central	Mountain	Pacific
6:35 p. m.	5:35 p. m.	4:35 p. m.	3:35 p. m.

WIP (508.2m-590kc) "The Farm Boy Makes Good," R. W. Helm.

Eastern	Central	Mountain	Pacific
8:15 p. m.	7:15 p. m.	6:15 p. m.	5:15 p. m.

WJZ (454.3m-660kc) Zoological society series.

9:45	8:45	7:45	6:45

KHJ (405.2m-740kc) History story, Prof. Hertzog.

10:30	9:30	8:30	7:30

KWSC (348.6m-860kc) Book reviews, Alice Lindsay Webb.

Thursday, April 1

Eastern	Central	Mountain	Pacific
7:30 p. m.	6:30 p. m.	5:30 p. m.	4:30 p. m.

WGY (379.5m-790kc) WGY book chat, William F. Jacob.
WHAR (275m-1090kc) Historical talk, Harry H. Haeberly, Jr.
WIP (508.2m-590kc) "The Sequi-Centennial," Hon. Harry A. Mackey.
WPG (299.8m-1000kc) "World Wonder Excursions," Alfred James P. McClure, D. D.

7:45	6:45	5:45	4:45

WRC (468.5m-640kc) Smithsonian talk.

9:15	8:15	7:15	6:15

KNX (336.9m-890kc) Travel talk, W. F. Alder.

9:45	8:45	7:45	6:45

KHJ (405.2m-740kc) History talk.

10	9	8	7

WRC (468.5m-640kc) Political situation, Frederick W. Wile.

Friday, April 2

Eastern	Central	Mountain	Pacific
7 p. m.	6 p. m.	5 p. m.	4 p. m.

WDAF (365.6m-820kc) Address.
WOAW (526m-570kc) Music review, Hester Bronson Copper.

7:30	6:30	5:30	4:30

WHAR (275m-1090kc), Lecture period.

7:45	6:45	5:45	4:45

WCAE (461.3m-650kc) Current motor topics, auto tours and road conditions.

8	7	6	5

WTIC (475.9m-630kc) "Our Coast Guard," John J. Hinton.

8:05	7:05	6:05	5:05

WAMD (244m-1230kc) "What Prominent Outsiders Think of Minneapolis and the Great Northwest."

8:15	7:15	6:15	5:15

WPG (299.8m-1000kc) "The Meaning of Easter," Rev. Hinson V. Howlett.

9:05	8:05	7:05	6:05

KFAB (340.7m-880kc) "Birds and Our Pocket Books."

10:30	9:30	8:30	7:30

KHJ (405.2m-740kc) "Romance of Santa Fe Trail," Gladys De Witt.

MARKETS AND WEATHER

Daily Except Sunday

Eastern	Central	Mountain	Pacific
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.

WOAW (526m-570kc) Markets.

9:45	8:45	7:45	6:45

KDKA (309.1m-970kc) Livestock, grain.

10	9	8	7

WLS (344.6m-870kc) Livestock, markets, fruit.
WOS (440.9m-680kc) Hogs.

10:30	9:30	8:30	7:30

WFAA (475.9m-630kc) Markets.

10:45	9:45	8:45	7:45

WCCO (416.4m-720kc) Markets.
WHO (526m-570kc) Opening grain quotations, New York and Chicago stock exchange. Livestock, weather, roads.
WMC (499.7m-600kc) Weather, markets.

11	10	9	8

WOS (440.9m-680kc) Weather, hogs.

11:15	10:15	9:15	8:15

WTAG (268m-1120kc) Markets, weather.

11:30	10:30	9:30	8:30

WCCO (416.4m-720kc) Markets.

12 n.	11	10	9

KDKA (309.1m-970kc) Weather, livestock, grain.
WBAP (475.9m-630kc) Weather, cattle, grain.
WLS (344.6m-870kc) Poultry, dairy, hogs, sheep.
WOS (440.9m-680kc) Livestock, poultry, eggs, grain.

12:30 p. m.	11:30	10:30	9:30

WEAR (384.4m-780kc) Markets, weather.
WFAA (475.9m-630kc) Markets.

1	12 n.	11	10

WBAP (475.9m-630kc) Markets.
WHO (526m-570kc) Livestock, receipts. Weather, roads.
WOS (440.9m680kc) Livestock, weather.

1:30	12:30 p. m.	11:30	10:30

KTHS (374.8m-800kc), Markets, weather. market, apples.
WOAW (526m-570kc) Markets.

1:45	12:45	11:45	10:45

KOA (322.4m-930kc) Weather, roads, livestock, poultry.

2	1	12 n.	11

WOC (483.6m-620kc) Weather, grain, livestock, dairy.

3	2	1 p. m.	12 n.

WHO (526m-570kc) Livestock, Chicago and St. Louis closing cash market quotations, Chicago Board of Trade, N. Y. Stock exchange.
WLS (344.6m-870kc) Livestock, grain, dairy, fruit, vegetables.
WOS (440.9m-680kc) Livestock, markets, grain.

3:30	2:30	1:30	12:30 p. m.

WFAA (475.9m-630kc) Markets.

3:50	2:50	1:50	12:50

WWJ (352.7m-850kc) Weather, markets.

4	3	2	1

WCCO (416.4m-720kc) Markets.
WFAA (475.9m-630kc) Markets.

6:45	5:45	4:45	3:45

KSAC (340.7m-880kc) Market review.

8	7	6	5

KOA (322.4m-930kc) Sheep, markets, livestock, poultry.

Friday, April 2

WHN, New York, N. Y. (361.2m-380kc), 6 p. m., people's hour; 7, Harry Richman and entertainers; 10, Roseland dance orchestra; 10:30, Anatol Friedland; 11:30, Kit Kat club orchestra; 12, Silver Slipper orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 7, Howard Waddeel, songs.

WJAR, Providence, R. I. (305.9m-500kc), 8 p. m., musical program; 8:30, Gorman's Jolly Bakers; 9, musical program; 9:30, WEAF; 10, WEAF; 10, Providence-Biltmore orchestra.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Jean Goldkette's symphony; 7:30, Arctic specials; 9, Mulkey celebrities; 9:30, Caspar Lingeman symphony.

WJZ, New York, N. Y. (455m-660kc), 7 p. m., Hotel Commodore concert orchestra; 8, Sundial Shoe serenaders; 8:30, Bonnie Laddies; 9:30, Bruno Labate Woodwind ensemble; 10, Baldwin Piano hour, WGY; 11, Hotel Lorraine Grill orchestra.

WLIT, Philadelphia, Pa. (394.5m-760kc), 7:30 p. m., Dream Daddy's bedtime stories; 8, sports talk; 10, Morning Glory club concert; Arcadia cafe dance orchestra; 10:30, Rufus and Rastus; 11, Morning Glory club concert.

WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Olcott Vail and Hotel McAlpin string ensemble; 6:30, Ernie Golden and Hotel McAlpin orchestra; 7:30, Sach's Musical Monarchs; 8:50, Broadway association; 9, Hardman hour of music; 10:30, Parody orchestra; 11, Hofbrau Haus entertainers; 11:30, Jack Denny's orchestra; 12 m., McAlpin entertainers.

WNYC, New York, N. Y. (526m-570kc), 6:20 p. m., piano selections; 7:35, studio features; 9:30, violin recitals; 10, songs.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Sylvania dance orchestra; 8, recital; 9:25, Fox theater program; Fox theater grand symphony orchestra, Adolph Kornspan, director; 10:15, organ recital, Marcy E. Vogt; 10:30, Sylvania dance orchestra.

WOR, Newark, N. J. (405.2m-740kc), 6:45 p. m., studio program; 7:15, Copenhagen quartet.

WPG, Atlantic City, N. J. (299.8m-1000kc), 6:45 p. m., organ recital, Arthur Scott Brook; 7, Hotel Morton music; 8:15, studio program; Cuthbert Melody boys; 9, Hotel Traymore orchestra; 10, organ recital, Jean Wiener.

WRVA, Richmond, Va. (256.3m-1170kc), 8:15 p. m., organ prelude, Ernest H. Cosby, soloists.

WTAG, Worcester, Mass. (267.7m-1120kc), 6-7 p. m., WTAG orchestra; 8:15-10, concert announced; 10-10:30, WEAF.

WTAM, Cleveland, Ohio (389.4m-770kc), 6-7 p. m., Hotel Hollenden orchestra.

WTIC, Hartford, Conn. (475.9m-630kc), 6:30 p. m., Hub trio; 8, Coast Guard academy band; 9, Travelers symphonic ensemble.

WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 8, Detroit News orchestra; C. T. S. and gang; 8:30, WEAF; 10:30, dance program.

Central Time Stations

KFAB, Lincoln, Neb. (340.7m-1000kc), 8:30-1:30, Med. Red, Band of Crete.

KFNF, Shenandoah, Iowa (263m-1140kc), 7:30 p. m., pipe organ concert.

KFRU, Columbia, Mo. (499.7m-600kc), 6:15 p. m., dinner music; 12-2 a. m., musicale.

KMA, Shenandoah, Iowa (252m-1190kc), 6-7 p. m., Grady and Doc; 9-11, program, talent, Coim.

KMOX, St. Louis, Mo. (280.2m-1070kc), 6 p. m., organ recital, Arthur Utt; 6:30, Mrs. Jaques Landree; 7, orchestra; Buster Brown, Charlotte with ukulele; 8, artists' program; 9, orchestra, Leonard Phillips; 10, popular dance program.

KOIL, Council Bluffs, Iowa (277.6m-1080kc), 6:05 p. m., program; Clara Kurtz, pianist; Lucy Rhybo, soprano; 6:30, Royal Fontenelle orchestra; 8:15, Katherine Lemen, contralto; Dorothy Kelloway, soprano; Margaret Lemen Green, pianist; Elizabeth Quinn, accompanist; 11, Hotsy Totsy hour.

KSD, St. Louis, Mo. (545.1m-550kc), 7:30 p. m., Westminster Presbyterian church; 9, WEAF.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9-9:30 p. m., classic half hour, New Arlington Hotel Grand ensemble; 9:30-10:25, novelty program, Jack O' Lantern Night club; 10:25-10:45, Toni Cochard and John G. Heyn, tenor and pianist; 10:45-11:15, dance offerings, Meyer Davis orchestra.

KYW, Chicago, Ill. (536m-560kc), 6 p. m., dinner music; 6:30, dinner music, Congress hotel; 7:30-9, home-lovers hour; 9-10, hour of music; 10-12, midnight revue.

WAMD, Minneapolis, Minn. (244m-1230kc), 7:10 p. m., Minneapolis Public School hour; 8, Reception Five Musical program; 11, Skyrocket frolic.

WBAP, Fort Worth, Texas (475.9m-630kc), 6 p. m., dinner music; 7:30, Maggie Overstreet, pianist; 9:30, sacred program; 11, Panthers Hawaiian trio.

WCAL, Northfield, Minn. (336.9m-890kc), 8:30 p. m., classical program.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6:15 p. m., Dick Long's Nankin cafe orchestra; 8, Watkins family party; 9, WEAF.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., Trianon ensemble; 8-9:30, Negro spirituals, Ebenezer Methodist Episcopal church; 11:45-1 a. m., Nighthawk frolic; Ted Weems orchestra; Billy Adair's orchestra, organ, Ted Meyn.

WEMC, Berrien Springs, Mich. (285.5m-1050kc), 9 p. m., organ recital, Dr. Birt Summers; the Lighthouse choir; 10:05, duet, Mrs. Lela Beuchell, soprano and Martha Hutchison, contralto.

WGBF, Evansville, Ind. (236.1m-1270kc), 8 p. m., May Memorial organ concert.

WGES, Oak Park, Ill. (250m-1200kc), 8-9 p. m., entertainment; 11-1, Coyne serenaders.

WGN, Chicago, Ill. (302.8m-990kc), 6:30-6:45 p. m., Drake concert ensemble, Blackstone string quintet; 6:45, old-time favorites; 6:55-7, the Million sing; 8-8:30, WEAF; 8:30-9, quartet; 9-9:30, WEAF; 9:30-10, studio program; 10, Sam 'n' Henry; 10:10, old-time favorites; 10:20, the Play Shop; 10:45-11, studio ensemble.

WHAD, Milwaukee, Wis. (275m-1090kc), 6:15-7 p. m., Arthur Richter, organist; 8:30-10, Marquette university studio program.

WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., Southern Baptist Theological seminary.

WHB, Kansas City, Mo. (365.6m-820kc), 7-8 p. m., Selda McDivot, blue songs; Harry Kessell, popular songster; Lola Reardon, pianist.

WHO, Des Moines, Iowa (526m-570kc), 7:30-9 p. m., Des Moines university male quartet; 11-12, Philbreck and his Younker Tea-Room orchestra.

WHT, Chicago, Ill. (399.8m-750kc), 12 noon, Al Carney's complimentary organ recital; 6 p. m., classical program; dinner organ recital, Al Carney; Grayling's string trio; Helen Rauh, pianist; Charles Hussey, basso; 6:50, Ray-O-Vac concert; 9:15, musical features; Cinderella Cafe orchestra; 9:30, novelties; 11:30, Pat Barnes and Al Carney; Cinderella Cafe orchestra; 12, Pat Barnes and Al Carney.

WJAZ, Chicago, Ill. (322.4m-930kc), 9-2 a. m., diversified studio and dance program, Chez Pierre.

WJJD, Mooseheart, Ill. (370.2m-810kc), 12-1 p. m., Palmer House symphonic players; trio; 2-3, organ hour, Howard E. Peterson; child artists; assembly of 1,250 children; 5:30, instrumental hour; Palmer House symphonic players; Jack Nelson; Victorians; 6:40, Billy Van; 8-9, children's hour; 10-11, feature hour; Senator Harold C. Kessinger; Palmer House Victorians; Jean St. Anne; 12:30 a. m., Knights of the Burning Candle.

WLIB, Chicago, Ill. (302.8m-990kc), 7:30-8 p. m., musical program; 11-11:20, Correll and Gosden; 11:20-1 a. m., ensemble, dance music, harmony duos.

WLS, Chicago, Ill. (344.6m-870kc), 6 p. m., Ford and Glenn; 6:40, Maurie Sherman's College Inn orchestra; 7, lullaby time, Ford and Glenn; 7:15, Sherman's orchestra; 7:30, trio, picture page program; 8, Ford and Glenn; 8:30, Ralph Emerson, organist; 9, Young American artists, Earl Kardux, tenor; Winnifrid Erickson, soprano; 10-11, Ford and Glenn Music shop.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:20, Family Altar league; 6:30, Wide-Awake club program; 8:30, announced; 9:55, chimes.

WMBB, Chicago, Ill. (250m-1200kc), 7-8 p. m., Trianon ensemble, Vella Cook, contralto, Frank Bordner, baritone; McCready and Hart, Harmony duo; 9-11, orchestras; Ted Graham, Andy Anderson, Scotty Welch and Madison Sisters; Joe Warner, Bab Bennett.

WOAI, San Antonio, Texas (394.5m-760kc), 8:30 p. m., San Antonio college of music program.

WOAW, Omaha, Neb. (526m-570kc), 6:20 p. m., Francis Potter's banjo orchestra; 6:50, Gilbert Jaffy, violinist; Nat Young, pianist; Karl Tunberg, pianist; 9, program, M. C. Peters Mill company; 10:30, Frank Hodek and his Nightingale orchestra.

WOC, Davenport, Iowa (483.6m-620kc), 8:30-9 p. m., WEAF; 9-9:30, WEAF; 9:30-10:30, musical program, Jack Rogers and his deluxe orchestra; Jack Little; 10:30, "A Step on the Stairs," mystery serial.

WOK, Chicago, Ill. (217.3m-1300kc), 4:30-7 p. m., Capitol theater organ; studio program; 10-1:30 a. m., Tearney's Town club orchestra; Carl Lorraine's Pershing Palace orchestra.

WOOD, Grand Rapids, Mich. (242m-1240kc), 9-11 p. m., classical concert; 11-12, Bill Dallavo and his orchestra.

WORD, Batavia, Ill. (275.1m-1090kc), 7 p. m., program; 9-10, program.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Ralph Williams and his orchestra; Henrietta Nolan, violinist; Otta Moore, baritone; 10-1 a. m., Ralph Williams and Rainbo Skylarks; H. Lucille Long, harmonica player; Johnny Poat, Tell Taylor, tenors; Romo Vincent, baritone; Clark's Hawaiian trio; artists; 1-2, Ginger hour.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., Barnesville Civilian club; 10:45, Nunnally's Miniature symphony orchestra.

WSM, Nashville, Texas (282.8m-1060kc), 6:30 p. m., Francis Craig's orchestra; 8, Easter program; 10, Vanderbilt university program.

Mountain Time Stations

KFWA, Ogden, Utah (260.7m-1150kc), 9-10 p. m., studio program; 10-11, Merry Mad Music Makers.

KFXF, Colorado Springs, Colo. (250m-1200kc), 12-3 p. m., Passion day services.

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra; 8, St. John's Episcopal cathedral.

KOB, State College, N. M. (348.6m-860kc), 7:30-8:30 p. m., Mrs. L. A. Broaddus, director.

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 5:30-6 p. m., program, Undersheriff Biscailuz; 7-8, Aeolian organ, Dan L. McFarland; 8-9:30, Good Friday program. Stiner's Crucifixion, Beverly Hills Community church choir; 9:30-10, Mutual Motors mirth contest; Sunburnt Jim, entertainer; 10-11, Packard Ballad hour with favorite entertainers.

KFON, Long Beach, Calif. (232.4m-1280kc), 6-6:30 p. m., Brayton's theater organ; 7-8, program, Dalton & Hoagland; 8-9, Press-Telegram studio; 9-11, Long Beach Elks Lodge, No. 888, frolic.

KFWB, Hollywood, Calif. (252m-1190kc), 8-9, John Wright orchestra, Raquel Nieto, coloratura soprano, Bill Blake, tenor; 9-10, Len Nash and his Country Boys dance orchestra; 10-11, Warner Brothers frolic.

KGO, Oakland, Calif. (361.2m-830kc), 6-6:55 p. m., dinner concert.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., concert; 8-9, concert; 9-10:30, Sherman, Clay and company; 10:30-12, Hoot Owls.

KHJ, Los Angeles, Calif. (405.2m-740kc), 8-10, program, Western Auto Supply company.

KJR, Seattle, Wash. (384.4m-780kc), 7-8:30 p. m., Lundquist-Lilly male quartet; 8:30-10, studio program.

KMTR, Hollywood, Calif. (238m-1260kc), 8-10 p. m., KMTR concert orchestra; 10-11, Starr Piano company studio.

KNX, Hollywood, Calif. (336.9m-890kc), 5:30 p. m., Leighton's cafeteria orchestra; 6:30-7, Atwater Kent concert orchestra; 7-8, program, Jell-X-Cell company; 8-9, program, John A. Vaughn corporation; 9-10, Order of Optimistic Donuts; 10-11, fights, Hollywood American Legion stadium; 11-12, Ray West's Cocoanut Grove dance orchestra from the Ambassador.

KPO, San Francisco, Calif. (428.3m-1000kc), 6:30-7 p. m., States Restaurant orchestra; 8-9, studio program; 9-10, Palace hotel dance orchestra; 10-11, States Restaurant orchestra; 11-12, Henry Halstead's orchestra.

KTAB, Oakland, Calif. (239.9m-1250kc), 8-10 p. m., program, Breuner's.

KWSC, Pullman, Wash. (348.6m-860kc), 7:30-9 p. m., St. John choir.

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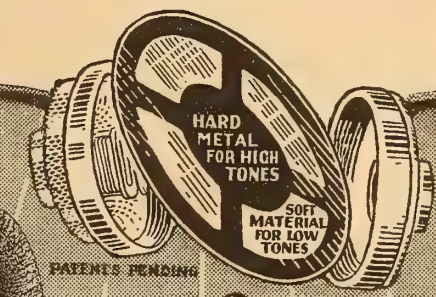

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WORLD'S GREATEST SPEAKER VALUES

NEWS BULLETINS

Daily Except Sunday

Eastern	Central	Mountain	Pacific
9:45 a. m.	8:45 a. m.	7:45 a. m.	6:45 a. m.
KDKA (309.1m-970kc).			
10	9	8	7
WGN (302.8m-990kc).			
10:35	9:35	8:35	7:35
WCCO (416.4m-720kc).			
11	10	9	8
WOAI (394.5m-760kc).			
12 n.	11	10	9
CFCA (356.9m-840kc); KDKA (309.1m-970kc); KPRC (296.9m-1010kc).			
12:30 p. m.	11:30	10:30	9:30
WCAE (461.3m-650kc).			
1	12 n.	11	10
KGW (491.5m-610kc); KNX (336.9m-890kc).			
1:15	12:15 p. m.	11:15	10:15
WOAI (394.5m-760kc).			
3:45	2:45	1:45 p. m.	12:45 p. m.
WHAS (399.8m-750kc).			
4	3	2	1
WCX (516.9m-580kc).			
4:30	3:30	2:30	1:30
WCAE (461.3m-650kc); WFAA (475.9m-630kc).			
6	5	4	3
CFCA (356.9m-840kc).			
6:30	5:30	4:30	3:30
WPG (299.8m-1000kc).			
7	6	5	4
KOIL (278m-1080kc); WOC (483.6m-620kc).			
7:15	6:15	5:15	4:15
WMAK (265.6m-1130kc); WOAI (394.5m-760kc).			
8	7	6	5
WMBF (384.4m-780kc); WMCA (340.7m-880kc).			
9	8	7	6
WSAI (325.9m-920kc).			
9:30	8:30	7:30	6:30
KPO (428.3m-700kc).			
10	9	8	7
KLX (508.2m-590kc).			
10:45	9:45	8:45	7:45
WEBH (370.2m-810kc).			

Sunday

Eastern	Central	Mountain	Pacific
8 p. m.	7 p. m.	6 p. m.	5 p. m.
WMAK (265.6m-1130kc).			
8:15	7:15	6:15	5:15
WEBH (370.2m-810kc).			
9	8	7	6
WPG (299.8m-1000kc).			
12	11	10	9
KFWB (252m-1190kc).			

KYW, "The World Crier," broadcasts news every half hour from 8 a. m. to 2 a. m.

Senator Walsh Asks Senate Probe of "Wired Wireless"

WASHINGTON, D. C.—The question of "wired wireless" has broken out in the United States senate.

Senator Walsh of Montana introduced a resolution which was passed by the senate and which calls upon the secretary of commerce "if not incompatible with the public interest, to report fully to the senate the circumstances attending the discovery of the method of multiplex telegraphy and telephony, the extent to which this system is now used by the American Telephone and Telegraph company, in furnishing communication to the government and to the public and the value of such use annually to the said American Telephone and Telegraph company, and what reduction in rates, if any, has resulted from the free use of 'wired wireless' by the said American Telephone and Telegraph company."

This system was invented by General George M. Squier while he was in the signal corps of the army. Under government rules the patents were made free to everyone.

Radio Car for League of Nations

GENEVA, Switzerland.—Under construction for the League of Nations is a Radio-equipped Pullman car of latest design, to be run with the express trains of Europe or as a "special" in the event of emergency. This car will carry representatives of the league to war-threatened or disease-stricken borders.

The league is hopeful of receiving messages direct from their representatives through the transmitting apparatus on the car and to send orders, suggestions and news to be handled through its receiving equipment.

KIWANIAN IS JAILED ON FAKE BROADCAST

EAST CHICAGO.—One half of East Chicago became enraged while the other half rocked with laughter. And all because Lester Ottenheimer, program chairman of the Kiwanis club struck upon a novel idea and as a result spent two hours in jail.

Ottenheimer announced that he had arranged with Station WGN to broadcast free advertising at a big Kiwanis booster meeting. The president of the club informed the meeting that two million fans were hearing the addresses and the secretary of the chamber of commerce and the mayor orated on the town's greatness for the greater part of an hour.

Then somebody discovered that the microphone had not been connected. The mayor ordered the police to throw Ottenheimer in jail where he lodged until his attorney announced there was nothing in the city ordinances about disconnected microphones. It is said Ottenheimer will be ejected from the Kiwanis club.

AUSTRIAN INVENTS RADIO CALL PHONE

New System Is Reported to Need No Exchange and Permits Private Conversation

VIENNA, Austria.—A new Radio telephone system is reported to have been invented by Emil Marek, an engineer of Moedling, near here, which is described as sensational because it permits Radio telephoning without interference from the outside.

The probability that an outsider will hear is said to be one in 1,000,000. The new system needs no exchange, as all subscribers to the system have sending and receiving apparatus. The person calling the number, dials similarly to that used at the present time.

Since the number corresponds to a certain wave length, the person with the receiver on this wave answers the call. A light on the receiver lights up when the number is called. If the party called does not answer, the receiver automatically registers the calling party's number.

It is said that the transmitter is no larger than an ordinary telephone, and has a range that covers the whole of Austria. Experiments on a large scale will be started shortly.

"Patsy" Is Broadcast Direct From Theater by KFWB

LOS ANGELES.—The first attempt to broadcast a play direct from the stage on the Pacific coast, with the exception of operatic performances, was recently handled by the Warner Brothers station, KFWB, operating in conjunction with the Warner mobile transmitter 6XBR, when one act of the western premiere of the musical comedy "Patsy" was microphoned for the benefit of listeners within range of KFWB.

Reports of the performance came in from all parts of the United States, many writing in that they were able to pick up 6XBR on 108 meters where KFWB itself was inaudible.

Has Air Music Contest

PARIS, France.—The Paris daily "Echo de Paris" is conducting a prize musical competition in connection with Radio broadcasting. So far there are over 600 entries, of which 410 are in the singing group, 63 for violin, 97 for piano and the rest for wind instruments or cello. Of the singers, 313 are women and 97 men.

After the pick of the contestants has been chosen by a series of elimination trials, the performances of the winners will be broadcast in a number of special concerts.

"S-O-S" GIVES THRILLS

(Continued from page 5)

and stated that he was going to take the matter up with the department of commerce. It so happens that this station in question is unfortunate enough to have an 'F' and a 'Y' in its code call."

That's realism with a vengeance. Study the faces of these Portal Players. One of these days you may be proud that you "Knew some of them when." Many famous stage celebrities have come from the Twin Cities and their vicinity.

Only ten, or maybe it was eleven years ago, I sat with Captain Fred Place of the Minneapolis Journal and Charlie Branham of the St. Paul Pioneer-Press at a table in the cafe of the Nicollet hotel where this WCCO studio is now located. While we dined a big eyed little girl, fairly bubbling with the joy of life and living skipped out on the slightly raised platform and sang "Little Gray Home in the West." The patrons stormed her with applause.

A little later I saw this girl singing at a picture theater over on Hennepin avenue, I was entranced and being interested in a motion picture enterprise, I sought an introduction and arranged to have this little charmer do some work for the pictures. She sailed out over the Mississippi in a swaying work bucket attached to a cable and was lowered to a seething, boiling mass of logs going through the foundations of the dam then under construction between the two cities. After that I had her spin around the Speedway as a mechanic for Ralph DePalma. Other thrilling stunts followed and she performed for the pictures with the same charm as she appeared before her audiences.

It happened that Al Jolson came through shortly after and the little girl with the big blue eyes joined his troupe. The next year when I happened to be in New York I saw one name standing out in the bright lights more brilliantly than all the rest. It was "Edith Day" in "Going Up." Edith Day was the little girl whom I had first heard sing "Little Gray Home in the West" there in the cafe of the Nicollet hotel where the Portal Players are now presenting "A Step On the Stairs."

Watch these Portal Players.

Watch the news about WCCO and listen in when the players are on the air.

Light and Power for Twenty Years

No doubt you remember the first automobile you ever saw. Perhaps you'll remember, too, that it bore a shiny little tank marked "Prest-O-Lite" . . . for Prest-O-Lite gave the motor-car its first dependable eyes.

This same company, which has served the automotive industry so successfully for more than twenty years, today serves radio with a dependable, long-lived battery, *of special design*, that brings out the best in any set.

In engineering, materials and workmanship, Prest-O-Lite cannot be excelled. You can rest assured that Prest-O-Lite Batteries are correctly rated and deliver full power at all times. They are attractively priced from $4.75 up. There is a Prest-O-Lite radio dealer or service station near you.

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"What every owner of a radio should know about storage batteries" is a little booklet which every radio fan will find interesting and helpful. It is crammed full of hints that will bring surprising radio results—and save you money. It's yours for the asking—without obligation.

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AN EVENING AT HOME WITH THE LISTENER IN
IN CENTRAL TIME

Call	Location	Met.	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday
AT9	Fort Bragg, N. C.	435	Silent	5:00- 6:00	Silent	Silent	Silent	7:00- 8:55	Silent
CFCA	Toronto, Ont.	356.9	Silent	6:00- 8:00	5:45- 6:45	Silent	6:00-11:00	Silent	Silent
CFCN	Calgary, Alta.	356.9	11:00- 1:00	Silent	Silent	Silent	Silent	9:00-10:00	Silent
CJCA	Edmonton, Can.	434.5	10:00-12:00	8:30- 9:30	8:30-10:30	8:30- 9:00	7:00- 9:00	10:00-12:00	9:00-12:00
CKAC	Montreal, Que.	516.9	6:00-10:30	1:45- 2:45	Silent	6:00-10:30	Silent	6:30- 8:30	Silent
CKCL	Toronto, Ont.	410.7	6:00- 7:00	2:00- 3:55	Silent	6:00-10:50	Silent	6:00- 7:00	Silent
CKNC	Toronto, Ont.	356.9	7:00- 9:00	Silent	7:00-10:00	Silent	Silent	Silent	Silent
CKY	Winnipeg, Man.	384.4	8:00-11:00	7:00-10:00	8:00-12:00	Silent	7:30-11:00	8:30-11:00	Silent
CNRO	Ottawa, Ont.	434.5	7:30-12:30	Silent	Silent	Silent	7:30-12:30	Silent	Silent
CYL	Mexico City, Mex.	480	Silent	9:24-10:54	Silent	9:24-10:54	Silent	Silent	9:24-10:54
CZE	Mexico City, Mex.	350	8:24- 9:24	Silent	8:24- 9:24	8:24- 9:24	8:24- 9:24	8:24- 9:24	8:24- 9:24
KDKA	Pittsburgh, Pa.	309.1	5:30- 8:55	3:00- 7:45	5:30- 8:55	5:30-11:35	5:30- 8:55	5:30-11:00	5:30-10:05
KFAB	Lincoln, Nebr.	340.7	5:30- 2:00	4:00-11:00	5:30- 2:00	5:30-10:30	5:30-10:30	Silent	5:30-10:30
KFDM	Beaumont, Tex.	315.6	Silent	8:00- 9:00	Silent	8:00-10:30	Silent	Silent	8:00-10:30
KFH	Wichita, Kan.	267.7	10:00-11:00	7:15-12:00	10:00- 1:15	10:00-11:00	10:00- 1:15	10:00-11:00	10:00-11:00
KFI	Los Angeles, Cal.	467	8:00- 5:00	6:00- 1:00	8:00- 1:00	8:00- 1:00	8:00- 1:00	8:00- 1:00	8:00- 1:00
KFJF	Okla. City, Okla.	260.7	6:30-10:45	2:30-11:45	6:30-10:45	6:30- 7:30	6:30-12:00	6:30-10:45	6:30-10:45
KFKX	Hastings, Nebr.	288.3	5:30- 6:30	Silent	5:30-11:00	5:30- 6:30	5:30-11:00	5:30- 8:00	5:30-11:00
KFMX	Northfield, Minn.	336.9	Silent	7:00- 8:00	Silent	9:30-10:00	9:00-10:00	Silent	10:00-11:00
KFNF	Shenandoah, Ia.	263	7:00-12:00	2:30- 8:30	7:00- 9:00	7:00- 9:00	7:00- 9:00	7:00- 9:00	7:00- 9:00
KFOA	Seattle, Wash.	454.3	11:30- 1:00	Silent	9:00-12:00	8:00- 1:00	9:00-12:00	Silent	8:00- 1:00
KFON	Long Beach, Cal.	232.4	8:00- 1:00	8:00-12:00	8:00- 1:00	8:00- 1:00	8:00- 1:00	8:00- 1:00	8:00- 1:00
KFQB	Fort Worth, Tex.	508.2	8:30- 9:30	3:00- 8:30	8:30- 9:30	8:30- 9:30	Silent	8:30- 9:30	8:30- 9:30
KFRU	Columbia, Mo.	499.7	Silent	7:30- 8:30	6:15- 7:15	6:15- 7:15	9:00-11:30	6:15- 7:15	12:00- 2:00
KFUO	St. Louis, Mo.	545.1	Silent	4:00-10:15	8:00- 9:00	Silent	9:15-10:15	Silent	Silent
KFVE	Univ'ty City, Mo.	240	9:15-10:15	Silent	9:15-10:15	9:15-10:15	9:15-10:15	Silent	9:15-10:15
KFWA	Ogden, Utah	260.7	10:00- 1:00	Silent	Silent	Silent	10:00- 1:00	Silent	Silent
KFWB	Hollywood, Calif.	252	10:00- 1:00	11:00- 1:00	9:30- 1:00	10:00- 1:00	10:00- 1:00	10:00- 1:00	9:10- 1:00
KFWI	San Francisco, Cal	226	Silent	10:00- 2:00	10:00- 2:00	Silent	10:00- 3:00	12:00- 2:00	10:00- 3:00
KFXF	Colorado Springs.	250	10:00-12:00	8:30- 9:30	9:30-11:30	9:30-11:30	Silent	10:00-12:00	Silent
KGO	Oakland, Calif.	361.2	10:30- 2:00	5:30-10:30	8:00-12:00	8:00- 2:00	8:00- 9:00	10:00- 3:00	8:00- 9:00
KGW	Portland, Ore.	491.5	8:00- 2:00	8:00-12:00	8:00-12:00	8:00- 2:00	8:00- 1:00	8:00-10:00	8:00- 2:00
KHJ	Los Angeles, Cal.	405.2	9:45-12:00	6:00-12:00	Silent	10:00-12:00	10:00-12:00	10:00-12:00	10:00-12:00
KIAF	Sihtipok, Minn.	421	Silent	4:00- 5:00	9:00-10:00	Silent	9:00-10:00	Silent	9:00-10:00
KJR	Seattle, Wash.	384.4	10:30-12:00	7:00-12:30	9:00-12:00	9:00-12:00	9:00-12:00	9:00- 2:00	9:00-12:00
KLDS	Independence Mo.	440.9	8:00- 9:00	6:30-10:00	Silent	8:00-11:59	Silent	8:00- 9:00	Silent
KLX	Oakland, Calif.	508.2	Silent	Silent	6:00-12:30	Silent	6:00-12:00	Silent	6:00-12:30
KMA	Shenandoah, Ia.	252	6:00-11:00	4:00- 6:00	6:00-11:00	6:00-11:00	6:00-11:00	6:00-11:00	6:00-11:00
KMOX	St. Louis, Mo.	280.2	6:00-11:00	9:00-10:00	6:00-11:00	6:00-11:00	6:00-11:00	Silent	6:00-11:00
KNX	Hollywood, Cal.	336.9	7:30- 4:00	8:30-12:30	7:30- 2:00	7:30- 2:00	7:30- 2:00	7:30- 2:00	7:30- 2:00
KOA	Denver, Colo.	322.4	10:00-12:00	4:00- 9:45	7:30-11:30	7:30- 9:30	7:30- 1:00	7:30- 8:30	7:30-10:00
KOB	StateCollege, N.M.	348.6	Silent	Silent	8:30- 9:30	Silent	Silent	Silent	8:30- 9:30
KOIL	Council Bluffs, Ia	278	7:00- 3:00	7:00-12:00	6:00-12:00	6:00-12:00	6:00- 7:15	6:00-12:00	7:00-12:00
KPO	SanFrancisco, Cal	428.3	8:35- 2:00	7:00-12:00	8:40- 1:00	8:40- 1:00	8:40- 1:00	8:40- 1:00	8:30- 1:00
KPRC	Houston, Texas	296.9	7:30-11:00	7:30-10:30	7:30-10:00	7:30- 9:30	7:30-12:00	7:30-12:00	Silent
KPSN	Pasadena, Calif.	315.6	10:00-12:00	10:45-11:45	Silent	10:00-11:00	Silent	10:00-11:00	Silent
KSD	St. Louis, Mo.	545.1	7:00-10:00	6:15- 9:15	7:00-12:00	6:55-10:00	7:00- 9:00	6:55-10:00	7:00-10:00
KSL	Salt Lake City, U.	299.8	9:00-12:00	8:30-11:00	8:00-12:00	8:00-11:30	8:30-12:00	8:30-12:00	8:30-11:00
KTAB	Oakland, Calif.	240	Silent	9:45-11:15	10:00-12:00	10:00-12:00	10:00-12:00	10:00-12:00	10:00-12:00
KTBI	Los Angeles, Cal.	293.9	Silent	9:15-11:30	Silent	10:00-11:00	Silent	10:00-11:00	Silent
KTCL	Seattle, Wash.	305.9	Silent	8:10-11:10	9:00-10:00	10:00-11:00	Silent	Silent	9:00- 2:00
KTHS	Hot Springs, Ark.	374.8	9:00-10:30	9:00-11:30	9:00-11:00	9:00-10:30	9:00-11:00	9:00-10:45	9:00-11:00
KTW	Seattle, Wash.	455	Silent	9:00-11:30	Silent	Silent	Silent	Silent	Silent
KUOA	Fayetteville, Ark.	299.8	Silent	Silent	Silent	7:30- 8:30	8:00- 9:00	Silent	Silent
KWKH	Shreveport, La.	260.7	9:00-12:00	7:00-11:00	10:00-11:30	9:00-12:00	Silent	8:00- 9:30	Silent
KWSC	Pullman, Wash.	348.6	Silent	Silent	9:30-11:00	Silent	9:30-11:00	Silent	9:30-11:00
KWWG	Brownsville, Tex.	278	6:00- 7:00	Silent	8:30- 9:30	6:00- 7:00	6:00- 7:00	6:00- 7:00	6:00- 7:00
KYW	Chicago, Ill.	535.4	6:00- 2:00	2:30-11:00	Silent	6:00-12:00	6:00- 2:00	6:00- 2:00	6:00- 2:00
NAA	Radio, Va.	434.5	Silent	Silent	6:45- 7:00	7:30- 8:30	Silent	Silent	Silent
PWX	Havana, Cuba	400	7:30-10:00	7:00- 9:00	7:30-10:00	7:30-10:00	7:00- 9:00	Silent	7:30-10:00
WADC	Akron, Ohio	258	5:30- 6:30	5:30- 6:30	5:30- 6:30	5:30-10:00	5:30- 6:30	5:30-10:00	5:30-10:00
WAHG	Richmond, N. Y.	315.6	11:00- 1:00	Silent	6:30- 1:00	Silent	6:30-11:00	Silent	7:00-10:00
WAIU	Columbus, Ohio	293.9	8:15-10:00	2:00- 3:00	5:00-10:30	5:00-11:00	5:00- 6:00	5:00- 6:00	5:00-11:00
WAMD	Minneapolis, Minn	244	6:15-10:30	6:15-10:30	7:00-12:00	Silent	7:00-12:00	6:15-12:00	6:15-12:00
WBAL	Baltimore, Md.	246	Silent	5:30- 7:30	5:30- 9:00	5:30- 9:00	Silent	5:00- 9:00	5:30- 9:00
WBAP	Fort Worth, Tex.	475.9	6:00-11:00	5:00-11:00	6:00-12:00	6:00-11:00	6:00- 6:30	6:00-12:00	6:00-12:00
WBAR	Sisiht, Wis.	406	Silent	10:00-11:00	9:00-10:00	Silent	8:00- 9:00	7:30- 8:30	Silent
WBBM	Chicago, Ill.	226	8:00- 2:00	4:00- 2:00	6:00- 7:00	8:00-12:00	8:00- 2:00	8:00-12:00	8:00-10:00
WBBR	StatenIsland, N.Y.	272.6	7:00- 9:00	8:00- 9:15	7:00- 8:00	Silent	Silent	7:00- 8:00	Silent
WBCN	Chicago, Ill.	266	9:00- 1:00	5:00-12:00	Silent	9:00- 1:00	8:00-12:00	9:00- 2:00	9:00- 1:00
WBPI	New York, N. Y.	263	5:00-10:45	Silent	5:00-10:00	5:00-10:00	5:00-10:00	5:00- 6:00	5:00-10:00
WBZ	Springfield, Mass.	333.1	5:30- 9:00	6:00- 8:00	5:30- 9:30	5:30- 9:15	5:30- 9:00	5:30- 9:00	5:30- 9:00
WCAE	Pittsburgh, Pa.	461.3	7:30- 8:30	5:30- 9:15	5:30-11:00	5:30-11:00	5:30- 9:00	5:30-10:00	5:30- 9:30
WCAP	Washington, D.C.	468.5	Silent	3:00- 9:15	5:00-10:00	Silent	6:00-11:30	Silent	5:00-11:30
WCAU	Philadelphia, Pa.	278	Silent	4:00-10:30	7:00-10:30	5:45-10:30	5:45-11:00	5:30-11:30	5:45-10:30
WCBD	Zion, Ill.	344.6	Silent	8:00-10:30	Silent	8:00-10:30	Silent	8:00-10:30	Silent
WCCO	Minn.-St.P.,Minn.	416.4	6:15-11:05	4:10- 8:15	6:30-10:00	6:15-10:00	6:45-12:30	7:00-11:05	6:15-11:05
WCOA	Pensacola, Fla.	222	1:00-12:00	Silent	6:30- 7:30	Silent	6:30- 7:30	Silent	6:30- 7:30
WCX	Detroit, Mich.	516.9	5:00- 6:00	6:15- 7:15	5:00- 8:00	5:00- 1:00	5:00- 8:00	5:00- 8:00	5:00- 9:00
WDAF	Kansas City, Mo.	365.6	6:00- 1:00	4:00- 4:45	6:00- 1:00	6:00- 1:00	6:00- 1:00	6:00- 1:00	6:00- 1:00
WDBO	Winter Park, Fla.	240	8:00- 9:30	4:00- 5:00	8:00- 9:30	8:30-10:00	8:00- 9:30	8:00- 9:30	8:00- 9:30
WDWF	Providence, R.I.	440.9	Silent	Silent	Silent	6:45- 7:00	6:25- 7:40	6:45- 7:00	6:45- 7:00
WEAF	New York, N.Y.	491.5	5:00-11:00	1:00- 9:15	5:00-11:00	5:00-11:00	5:00-11:00	5:00-11:00	5:00-11:00
WEAN	Providence, R.I.	270.1	5:30- 9:30	6:30- 7:45	5:30- 9:30	5:30- 9:30	5:30- 9:30	5:30- 9:30	Silent
WEAO	Columbus, Ohio	293.9	Silent	Silent	Silent	6:00- 8:00	7:00- 8:00	7:00-10:00	Silent
WEAR	Cleveland, Ohio	389.4	6:00-12:00	6:00- 9:15	6:00- 7:00	6:00-11:00	6:00- 7:00	6:00-10:00	6:00-11:00
WEBH	Chicago, Ill.	370.2	7:00- 2:00	5:00- 9:00	Silent	7:00-12:30	7:00-12:30	7:00-12:30	7:00-12:30
WEBJ	New York, N.Y.	272.6	Silent	Silent	Silent	7:00- 9:00	7:00- 9:00	Silent	6:00- 8:00
WEEI	Boston, Mass.	348.6	7:10-10:00	2:00- 9:15	5:15-10:00	6:30-10:30	5:15-10:00	6:30-10:00	6:30-10:00
WEMC	Berrien Spgs., Mic	285.5	Silent	7:15- 9:10	7:15- 8:15	Silent	7:15- 8:15	Silent	8:00-10:05
WENR	Chicago, Ill.	266	6:00- 2:00	2:00-12:00	Silent	6:00-10:00	6:00- 2:00	6:00-10:00	6:00- 2:00
WFAA	Dallas, Texas	475.9	6:30-12:00	6:00-12:00	6:30- 9:30	6:30-12:00	Silent	6:30-12:00	6:30- 9:30
WFBH	New York, N.Y.	272.6	10:30- 1:00	4:00- 7:00	10:30- 1:00	10:30- 1:00	10:30- 1:00	10:30- 1:00	10:30- 1:00
WFI	Philadelphia, Pa.	394.5	5:30-11:00	3:30- 4:30	5:30- 7:00	5:30-10:30	5:30- 7:00	5:30-10:00	5:30- 7:00
WGBS	New York, N.Y.	315.6	5:00-10:30	7:00- 8:00	6:00- 6:15	5:00-10:30	5:00- 7:30	5:00- 7:45	Silent
WGBU	Fulford, Fla.	278	5:30-12:00	8:30-11:00	5:30-12:00	5:30-12:00	5:30-12:00	5:30-12:00	5:30-12:00
WGCP	New York, N.Y.	252	7:30-11:00	2:00- 5:00	8:00-10:30	Silent	6:00- 8:15	9:30-12:00	6:00- 8:10
WGES	Oak Park, Ill.	250	5:00- 1:00	5:00-12:00	5:00- 7:00	5:00- 1:00	5:00- 1:00	5:00- 1:00	5:00- 1:00
WGHB	Clearwater, Fla.	266	5:30-12:00	Silent	5:30-12:00	5:30-12:00	5:30-12:00	5:30-12:00	5:30-12:00
WGHP	Detroit, Mich.	270	Silent	Silent	6:00- 1:00	6:00- 1:00	6:00- 1:00	6:00- 1:00	6:00- 1:00
WGN	Chicago, Ill.	302.8	6:30-10:00	3:00- 9:15	6:30- 7:00	6:30-11:00	6:30-11:00	6:30-11:00	6:30-11:00
WGR	Buffalo, N. Y.	319	Silent	6:45- 9:15	5:30-11:00	5:30-10:00	5:30-12:00	5:30-10:00	5:30-11:00
WGY	Schenectady, N.Y.	379.5	5:30-11:00	2:00- 8:15	5:30- 7:45	5:30-10:30	5:30- 8:05	5:30-11:30	6:00-10:30
WHAD	Milwaukee, Wis.	275.1	Silent	3:15- 4:15	6:15-10:00	6:15- 7:00	6:15-12:30	6:15- 7:00	6:15-10:00
WHAR	AtlanticCity, N.J.	275.1	6:30- 8:00	6:50- 9:00	6:30-11:00	6:30- 8:00	Silent	6:30-11:00	6:30- 8:00
WHAS	Louisville, Ky.	399.8	7:30- 9:00	4:30- 5:30	Silent	7:30- 9:30	7:30- 9:00	7:30- 9:00	7:30- 9:00
WHAZ	Troy, N.Y.	379.5	Silent	Silent	8:00-11:00	Silent	Silent	Silent	Silent
WHB	Kansas City, Mo.	365.6	Silent	8:00- 1:00	7:00- 8:00	7:00-10:00	7:00- 8:00	7:00-10:00	7:00- 8:00
WHN	New York, N.Y.	361.2	Silent	2:00-11:30	5:30-11:30	5:00-12:00	5:00-12:00	5:00-12:00	5:00-12:00
WHO	Des Moines, Ia.	526	Silent	7:30-12:00	7:30-12:00	7:30-12:00	6:00-12:00	7:30-12:00	7:30-12:00
WHT	Chicago, Ill.	399.8	7:00- 1:00	12:00-10:30	Silent	7:00- 1:00	7:00- 1:00	7:00- 1:00	7:00- 1:00
WIBO	Chicago, Ill.	226	6:00- 8:00	6:00-12:00	Silent	6:00- 2:00	6:00-12:00	6:00- 2:00	6:00- 2:00
WIP	Philadelphia, Pa.	508.2	5:05-11:05	3:00- 4:00	5:05- 7:00	5:05-10:30	5:05- 7:00	5:05-10:15	5:05- 7:00
WJAR	Providence, R. I.	305.9	Silent	5:00- 9:15	6:45-10:00	6:30- 9:00	6:30-10:00	7:00-10:00	6:55-11:00
WJAS	Pittsburgh, Pa.	275.3	6:00-11:00	Silent	6:00-11:00	6:00-11:00	6:00- 1:00	6:00-11:00	6:00-11:00
WJAX	Jacksonville, Fla.	336.9	7:00- 9:00	6:30- 7:30	7:00- 9:00	7:00-11:00	7:00- 9:00	7:00-11:00	7:00- 9:00
WJAZ	Chicago, Ill.	322.4	Silent	Silent	Silent	Silent	Silent	10:00-12:00	Silent
WJJD	Mooseheart, Ill.	370.2	5:30- 1:00	3:00- 4:00	Silent	5:30- 1:00	5:30- 1:00	5:30- 1:00	5:30- 1:00
WJR	Pontiac, Mich.	516.9	6:00-11:30	Silent	6:00-11:30	6:00- 9:00	6:00-11:30	6:00-10:00	6:00- 9:00
WJZ	New York, N.Y.	454.3	6:00- 9:25	1:30-10:00	6:00-10:30	6:00-10:45	6:00-10:45	6:00-10:45	6:00-10:30
WKAQ	San Juan, P. R.	340.7	Silent	Silent	Silent	Silent	6:00- 8:00	6:00- 8:00	6:00- 8:00
WKAR	Lansing, Mich.	285.5	Silent	Silent	6:15- 8:00	6:00- 7:00	6:00- 8:00	6:00- 7:00	6:15- 8:00
WKRC	Cincinnati, Ohio	422.3	10:00-12:45	6:45-12:30	6:00- 1:00	10:00-12:00	6:00- 1:00	10:00-12:15	Silent
WLIB	Chicago, Ill.	302.8	6:00- 1:00	5:00- 7:00	Silent	7:00- 1:00	7:00- 1:00	7:00- 1:00	7:00- 1:00
WLIT	Philadelphia, Pa.	394.5	6:30- 7:30	6:00- 7:30	6:30-10:45	6:30- 6:50	6:30-10:30	6:30- 7:30	6:30-11:00
WLS	Chicago, Ill.	344.6	7:00- 1:00	6:00- 7:55	Silent	7:00- 8:00	7:00-11:30	7:00- 8:55	7:00-11:30
WLW	Cincinnati, Ohio	422.3	7:00-10:30	3:00- 9:30	6:00- 9:00	6:00-10:00	6:00-12:00	7:00- 1:15	Silent
WLWL	New York, N.Y.	288.3	Silent	6:00- 7:00	7:00- 9:00	Silent	Silent	7:00- 9:00	Silent
WMAK	Lockport, N.Y.	265.5	5:15-10:00	6:30- 7:30	6:30-10:00	5:15- 6:15	6:30- 9:00	5:15- 7:00	Silent
WMAQ	Chicago, Ill.	447.5	8:00-10:00	Silent	Silent	8:00-10:15	8:00- 9:45	7:00-11:00	8:00-10:15
WMAZ	Macon, Ga.	260.7	Silent	Silent	9:00-10:00	7:00- 8:00	10:00-11:00	9:00-10:00	7:00-10:00
WMBB	Chicago, Ill.	250	7:00-11:00	3:00-11:00	Silent	7:00-11:00	7:00-11:00	7:00-11:00	7:00-11:00
WMBF	Miami Beach, Fla	384.4	6:00-12:00	6:00-12:00	6:00-12:00	6:00-12:00	6:00-12:00	6:00-12:00	6:00-12:00
WMC	Memphis, Tenn.	499.7	7:15- 9:30	Silent	7:15- 9:00	7:15-12:00	Silent	7:15- 9:45	7:15-12:00
WMCA	New York, N.Y.	340.7	8:00-12:00	6:00- 9:00	8:00-11:00	7:00-11:00	8:00-11:00	8:00-11:00	7:00-10:45
WNAC	Boston, Mass.	280.2	5:00-10:00	2:15- 7:45	5:30- 9:45	5:00- 8:00	5:00- 9:00	5:00- 8:00	5:00-10:00
WNYC	New York, N.Y.	526	6:00- 9:30	8:00-10:00	6:35- 9:30	6:10- 9:30	6:30- 9:30	6:35- 9:30	6:30- 9:30
WOAI	San Antonio, Tex.	394.5	Silent	7:30-10:30	Silent	8:30-10:30	8:30- 9:30	Silent	8:30- 9:30
WOAN	Lawrenceb'g, Tenn	282.8	Silent	9:00-10:00	9:00- 1:30	9:00-10:00	9:00-10:00	9:00-10:00	9:00-10:00
WOAW	Omaha, Nebr.	526	6:00-12:00	6:00- 9:00	6:00-11:00	6:00- 1:00	Silent	6:00- 1:00	6:00-11:15
WOAX	Trenton, N. J.	240	Silent	8:30-10:30	Silent	Silent	Silent	Silent	Silent
WOC	Davenport, Iowa	483.6	6:30-12:00	6:30-11:45	Silent	6:30-11:30	6:30-10:30	6:30-12:00	6:30-10:30
WOK	Homewood, Ill.	217.3	10:00- 1:00	6:30- 8:30	Silent	10:00- 1:00	10:00- 1:00	10:00- 1:00	10:00- 1:00
WOO	Philadelphia, Pa.	508.2	6:30- 7:30	5:05- 9:15	6:30-11:00	6:30- 7:30	6:30-11:00	6:30- 7:30	6:30-11:00
WOQ	Kansas City, Mo.	278	8:00-11:00	7:00- 7:45	Silent	8:00- 9:00	Silent	7:00- 9:00	Silent
WOR	Newark, N. J.	405.2	5:15-11:00	Silent	5:15-11:00	5:15- 7:00	5:15-10:30	5:15- 7:20	5:15- 7:00
WORD	Batavia, Ill.	275	7:00-10:25	2:30-10:00	Silent	7:00-12:45	7:00-12:00	8:00-10:00	7:00-12:45
WOS	JeffersonCity, Mo.	440.9	Silent	8:00- 9:00	8:00-10:00	Silent	8:00-10:00	Silent	8:00-10:00
WPG	Atlantic City, N.J.	299.8	5:45-11:00	2:15-10:00	5:45-11:00	5:45-11:00	Silent	5:45-11:00	5:45-11:00
WQJ	Chicago, Ill.	447.5	7:00- 3:00	7:00-10:00	Silent	7:00- 2:00	7:00- 2:00	7:00- 2:00	7:00- 2:00
WRC	Washington, D.C.	468.5	6:15-10:30	Silent	Silent	6:00-10:30	Silent	6:00-11:30	Silent
WREO	Lansing, Mich.	285.5	5:00-11:00	6:00- 7:00	5:00- 6:00	5:00- 8:15	5:00- 6:00	5:30-11:30	Silent
WRVA	Richmond, Va.	256	Silent	Silent	7:00-10:15	Silent	7:00-10:00	7:00-10:00	6:00-10:00
WRW	Tarrytown, N.Y.	273	8:00-10:30	7:00-10:30	8:00-10:30	8:00-10:30	8:00-10:30	8:00-10:30	8:00-10:30
WSAI	Cincinnati, Ohio	325.9	7:30- 1:00	3:00-10:15	10:00-11:00	7:00-10:00	7:00-10:15	7:00-10:00	Silent
WSB	Atlanta, Ga.	428.3	8:00-12:00	7:30- 9:15	8:00-12:00	8:00-12:00	10:45-12:00	8:00-12:00	8:00-12:00
WSBC	Chicago, Ill.	209.7	6:30- 4:00	6:30- 1:00	6:30- 7:00	6:30- 1:00	6:30- 1:00	6:30- 1:00	6:30- 1:00
WSM	Nashville, Tenn.	282.2	6:30-12:00	Silent	6:30-11:00	10:00-12:00	6:30-11:00	Silent	6:30-11:00
WSMB	New Orleans, La.	319	9:30-11:30	Silent	9:30-11:30	Silent	9:30-11:30	9:30-11:30	Silent
WSUI	Iowa City, Iowa	483.6	Silent	9:15- 9:45	7:30- 8:30	Silent	7:45- 8:45	Silent	Silent
WSWS	Chicago, Ill.	275.1	6:00- 1:00	Silent	6:00- 7:00	6:00- 1:00	6:00- 1:00	6:00- 1:00	6:00- 1:00
WTAG	Worcester, Mass.	268	Silent	3:00- 9:15	6:00-10:00	6:45-10:00	6:45-10:00	7:00-10:00	7:00- 9:30
WTAM	Cleveland, Ohio	389.4	5:00-11:00	Silent	5:00-11:00	5:00- 6:00	5:00-11:00	5:00- 6:00	5:00- 6:00
WTIC	Hartford, Conn.	475.9	5:30-11:00	4:00- 9:30	5:30-11:00	Silent	5:30- 9:00	5:30- 6:30	5:30-11:00
WWJ	Detroit, Mich.	352.7	Silent	5:20- 9:15	5:00- 8:00	5:00- 8:00	5:00- 9:00	5:00-11:30	5:00- 9:00

STATIONS IN ORDER OF WAVE LENGTHS

Meters	Call	Meters	Call	Meters	Call	Meters	Call	Meters	Call	Meters	Call
209.7	WSBC	266	WBCN	288.3	KFKX	340.7	WKAQ	394.5	WOAI	468.5	WCAP
217.3	WOK	266	WGHB	288.3	WLWL	340.7	WMCA	399.8	WHAS	468.5	WRC
222	WCOA	268	KFH	293.9	KTBI	344.6	WCBD	399.8	WHT	475.9	WBAP
226	KFWI	268	WTAG	293.9	WAIU	344.6	WLS	400	PWX	475.9	WTIC
226	WBBM	270.1	WEAN	293.9	WEAO	348.6	KOB	405.2	KHJ	475.9	WFAA
226	WIBO	270.1	WGHP	296.9	KPRC	348.6	KWSC	405.2	WOR	480	CYL
232.4	KFON	272.3	KWKH	299.8	KUOA	348.6	WEEI	406	WBAR	483.6	WOC
240	KFVE	272.6	WBBR	299.8	KSL	350	CZE	410.7	CKAC	483.6	WSUI
240	KTAB	272.6	WEBJ	299.8	WPG	352.7	WWJ	416.4	WCCO	491.5	KGW
240	WDBO	272.6	WFBH	302.8	WGN	356.9	CFCA	421	KIAF	491.5	WEAF
240	WOAX	273	WRW	302.8	WLIB	356.9	CKCL	422.3	WLW	499.7	KFRU
244	WAMD	275.1	WHAD	305.9	KTCL	356.9	CKNC	422.3	WKRC	499.7	WMC
246	WBAL	275.1	WHAR	305.9	WJAR	361.2	KGO	428.3	WSB	502.8	KFQB
250	KFXF	275.1	WORD	309.1	KDKA	361.2	WHN	428.3	KPO	508.2	KLX
250	WGES	275.1	WSWS	315.6	KFDM	365.6	WDAF	434.5	CNRO	508.2	WIP
250	WMBB	275.3	WJAS	315.6	KPSN	365.6	WHB	434.5	CFCN	508.2	WOO
252	KFWB	278	KOIL	315.6	WAHG	370.2	WEBH	434.5	NAA	516.9	CJCA
252	KMA	278	KWWG	315.6	WGBS	370.2	WJJD	435	AT9	516.9	WCX
252	WGCP	278	WCAU	319	WGR	374.8	KTHS	440.9	KLDS	516.9	WJR
256	WRVA	278	WGBU	319	WSMB	379.5	WGY	440.9	WDWF	526	WHO
258	WADC	278	WOO	322.4	KOA	379.5	WHAZ	440.9	WOS	526	WNYC
260.7	KFWA	280.2	KMOX	322.4	WJAZ	384.4	CKY	447.5	WMAQ	526	WOAW
260.7	KFJF	280.2	WNAC	325.9	WSAI	384.4	KJR	447.5	WQJ	535.4	KYW
260.7	KWKH	282.8	WOAN	333.1	WBZ	384.4	WMBF	454.3	KFOA	545.1	KFUO
260.7	WMAZ	282.8	WSM	336.9	KNX	389.4	WEAR	454.3	WJZ	545.1	KSD
263	WBPI	285.5	WEMC	336.9	KFMX	389.4	WTAM	455	KTW		
263	KFNF	285.5	WKAR	336.9	WJAX	394.5	WFI	461.3	WCAE		
265.6	WMAK	285.5	WREO	340.7	KFAB	394.5	WLIT	467	KFI		

TELLS SALAD SECRETS

(Continued from page 6)

salads that we need never be without them.

I will suggest a number of combinations that are possible at this time of the year. Cabbage, probably our cheapest salad food, lends itself to many delicious salad combinations. The shredded cabbage should stand in cold water until very crisp before using. The combination of shredded cabbage with celery, pimento or green pepper, is always good, and I like to use it with grated raw carrots as the yellow carrot on the white cabbage offers a very pretty contrast. Such a salad may be served with either mayonnaise or French dressing. A combination of cabbage and chopped peanuts is best served with mayonnaise dressing. If fruit is used with the cabbage, a cooked dressing may be preferred. The combination of cabbage, pineapple and marshmallow with cooked dressing is very popular, and cabbage and apple are also used.

With a fish salad made of salmon, tuna, shrimp or crab, use something crisp, such as celery, peppers or chopped sweet pickle. Cabbage may be used in place of celery in such a salad and hard cooked eggs and nuts are often added.

Many Pleasing Combinations

A nourishing salad is made by stuffing prunes with cottage cheese or with American cheese grated and mixed with salad dressing. For a pretty vegetable salad combine green string beans and cubed cooked carrots, or you may use the grated raw carrots. The green and yellow colors offer a pleasing contrast. Sometimes it is best not to combine all of the ingredients. For example, an interesting vegetable salad is made by arranging peas, carrots and celery separately on a lettuce leaf. The green and white colors are more effective separately than if mixed together. Macaroni mixed with apples and celery or with salmon or other fish and pickles make good combinations. In fact, you make macaroni salad with any combination you would use for potato salad. You will find such a salad rather different and very appetizing for a hearty supper dish.

Gelatin salads are convenient because they may be made ahead of time, and molded in various ways. Perfection salad, in which celery and cabbage are used, is a general favorite. A clear tomato jelly salad is also delicious, especially at the time of the year when fresh tomatoes are not available.

Tasty Fruit Salads

The apple, celery, and nut combination is probably one of the most convenient and popular of fruit salads. For a little variety, you may combine the apple with chopped peanuts, or add a few raisins or a bit of chopped green pepper. Grape fruit, and orange is another favorite served with either French, mayonnaise or a cooked dressing. I wonder if you have tried the orange and onion combination that sounds so queer and yet is so well liked? The large white Spanish onions are best for this salad, as they are more mild in flavor than the small ones. Banana salad may be made a little different by combining peanut butter with the cooked dressing before it is added to the bananas.

No doubt many of these combinations are old to you. I have not endeavored to give you anything new or startling because I have learned that what is old in one part of the country is new in another and vice versa. I hope that I have given you at least one suggestion for a salad you have never made before.

SHORT WAVES
By Marcella

(Continued from page 6)

Betty Lou wants to know all about Mac Ohman. I think she means Phil Ohman, the piano wizard. If she does, here is all the scandal that I could find out about him. He was formerly with the "Roxy" gang. After leaving Roxy, he joined up with Victor Arden, another pianist. They traveled under the team name of Ohman and Arden, the piano fiends. They are now in musical comedy. Phil Ohman is exceptionally good-looking, with chestnut brown hair and blue eyes. He certainly can play the piano. His only occupation outside of Radio is the theatrical business. I think that he is married, but I am not sure. I will try to get more information when I see him later.

* *

Isabel and Florence missed my lines about Pat Barnes of WHT and are deeply put out. Far be it from me to keep secrets about this handsome announcer, and inasmuch as his life story was told several months back, I guess I can safely repeat and elaborate a little. He is a handsome, tall and not too slender, brunette, dark, wonderful looking and a man's man. Weighs 168 pounds, stands 6 feet tall, and is 32 years old. Still single, although rumor has spread around that he may not long stay that way. So some of the girls of Isabel's sorority tried to ambush and flirt with him but failed? I'm not surprised, because he is a faithful sort and not the flirting kind. Pat leaving WHT in April? Not to my knowledge.

* *

Jerry Sullivan, WQJ's Chi-CAW-goer, is married, yes. But I can recommend Eugene F. McDonald, Jr., WJAZ's fighting owner, as a most eligible bachelor. About 35 years young, he is, and very handsome, full of pep and personality. I'd marry him myself, but he hasn't asked me yet.

* *

What deep secret would you like to know about your favorite broadcast star? Drop me a note, girls and boys, and I'll do by best to answer here. MARCELLA.

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Who Will Be 1926 Microphone King?

THE third annual Radio Digest Gold Cup Award begins. Fans of a nation will pick their favorite announcer anew. George Dewey Hay won the first cup in 1924. Graham McNamee won the second solid gold trophy in 1925. Who will be the favored "voice" this year?

Announcing standards and personality expressed through the loud speaker are again up for inspection. "Straight" versus "Character" announcers again have their tilt. Which kind of announcer will top the list at the end of the 1926 contest?

Last year over a million ballots registered the listeners' choice for favorite master of ceremonies. The winner, Mr. McNamee, received nearly 200,000 of these. The interest has been growing from year to year in this great effort of Radio Digest to impove announcing objectives and reward the best in the world.

Queer Thing This Radio

IT WAS recently reported in the newspapers that a woman had made a complaint to a broadcasting station that she heard its music when she was walking along the street. At a certain point on this street she heard it. So she wanted the station to quit broadcasting before she lost her mind.

Upon investigating, the officials found that a youth had rigged a loud speaker extension in one of the trees near the spot where the lady heard music. So the mysterious phenomenom was explained.

As Shakespeare said, "There's Music in the Air."

This and other queer incidents reported often leads erroneously to the impression that there is something psychic about Radio. However, when a good technical man gets busy on the case and investigates carefully, he usually finds that the incident, while unusual, is supported entirely upon the scientific laws Radio has always been known to follow.

Speaking of queer tricks of Radio, two readers built short wave receivers. One found that he heard the voice of his friend in his headset. He talked back to his friend through his headset. The friend heard him and replied that all he was doing was talking toward his short wave receiver's panel, and that the panel seemed to pick up the voice. The two were mystified and sought advice from this publication.

It was explained easily. Certain circuits act either as transmitters or receivers. The voice can be sent out by talking into one's headset. As for the reader who talked at his panel, it developed that he had a microphonic detector tube, and as he talked at the panel, his voice vibrations were transmitted directly to the elements of the detector tube, which in turn modulated the wave from his set and sent his voice out on the air.

All according to basic Radio principles it was, yet the two neighbors were puzzled. And why not? Better be careful what you say hereafter in front of your radiating receiver.

Another reader reports that he can hear talk and everything going on around a gas engine nine miles away from his Radio set, provided the gas engine is running. He wants the answer. It hasn't been explained yet, but no doubt will prove to be very simple, and in accordance with understood principles.

The latest phenomenom occurred in a store at Columbus, Ohio, when an electric phonograph of a recently introduced type began to give the market and weather reports, and then finished off with the noon musical program from a broadcasting station a mile away. The storekeeper was amazed and nonpulsed. He sought technical advice.

The technician reported that the phonograph was equipped with a Radio amplifier which electrically reproduced and amplified the sounds registered on the records. The amplifier had been turned on and this acted as an ordinary Radio receiver.

Radio is extraordinary, we grant, but not enough so to make such incidents unexplainable. It is peculiar what outlets Radio programs sometimes take, and it is only human that people should be surprised or frightened as a result. However, be skeptical when such stories are told to you, for they grow less explainable and more mysterious with repitition.

RADIO INDI-GEST

Memories

Oh, how I remember the first Radio we had,
Although 'twas only a crystal set, it made us very glad.
It wasn't much for looks or anything like that,
With a bunch of funny wires and the music always flat.
Compared to sets today, one would classify it "junk."
And the programs we received would be considered pretty "punk."
But we got an awful kick out of galloping around,
And how we'd strain our ears to hear the faintest little sound.
And we never became tired or thought of going to bed,
We'd just sit there and listen with the phones glued to our head.
Those were the good-old, happy days, when everything was new.
Do we remember those old days?—You bet your life we do. THAT RED-HEAD GAL

Hurray! Hurray! Bobette is back. And who don't remember when all the accessories that were needed were bed springs for an aerial and a radiator for a ground? And nobody kicked because they heard sopranos and a little static was no more than the stones in cherry pie.

Says Davenport, "Lend Me Your Ears"

WOC, Davenport, has a listener in who has the unusual gift of being able to click his ears as loud as the ticking of a watch. He has offered to do his stuff before their mike. So far, the program has been held up, awaiting the decision of whether it should be termed a duet or a solo. OLIN RECORDER

Why not use the boy on code? Have the right ear for dots and the left one for dashes. Iowa, famous for its ears of yellow corn and their corn-fed population—may attribute these ears to pop corn.

Broadcast "Fable of the Chimes"

Did you tune in March 17 on WOC when they broadcast "Fable of the Chimes" which headed the Indi-Gest column last week? The poem by Charles Allen Branham was given at the conclusion of the Davenport station's chimes concert.

Signify by Saying "Aye"

Adam made the famous Fans club by a wide margin. He was found to possess a dozen qualifications.

Accept Napoleon, because in his attempt to "by-pass" the Alps he was met with "resistance" which caused him to "switch" his "batteries" to "choke" the enemy "charge." He then established a new "station" with new "lines," by which he was able to "detect" the enemy and cause them to lose "ground." FRANQUE

Franz Gruber, because he composed "Silent Night." The fact that he added "Holy Night" shows just how clever he was. IMA BLOOP

Don't Longfellow come in for consideration for starting bedtime stories with his "Listen my Children and you shall hear?" JONATHAN JAY

Radio Rhymes

Every Easter! Every Easter!
Must I always hear—
"Needa new hat—wanta new hat—
Will you? Won't you?—Dear?"

Every Easter! Every Easter!
All the cash I've made
Goes for this hat—or for that hat—
For the Church Parade!

Not this Easter! Not this Easter!
—I'll not spend my dough!
She can go to church bareheaded
On the Radio!
CHARLES ALLEN BRANHAM

Try and Put It in a Jingle

Listen to this from KFI. It is one of the reasons why speakers are loud.

"Martha Van Hoomissen-Chevallier will play 'Die Tod und die Verklerung,' by Strauss, and accompany the 'Versonkene Glocke,' by Gretchaninnoff, sung by Antoinnette Konorocharakoff."

Moral: Fight on Silent Night

Somebody is wrong. Great statesmen have predicted that Radio will bring about world peace. How the heck can it when it won't even do it in a home. Man in Columbus, Ohio, was lodged in the city prison for giving his wife a black eye after she took two tubes out of their set and broke them because he wouldn't take her out one night, preferring to listen in.

Not a Miracle Play

Dear Indi: From the kind of guys these Turner birds seem to have been, I don't think this Peleg bozo will be able to talk from the dead to the persons gathered in the hunt-room for the reason that there aint no fire clay receivers with asbestos coils. SHOBIE

Depends Upon the Brand

Listen and Learn How to Smoke Meat is Latest

—WCCO News Bulletin

Let's try it, friends. We will start out with Bull Durham in the first lesson. Then a few puffs of Camels and Wild Boars will get us away from vegetarian nicotine. Maybe in the next series we may learn how to chew Brown's Mule. *INDI*

Not So Blind She Can't Wink

Condensed

BY DIELECTRIC

The Cincinnati Conservatory of Music has contributed to the programs of WLW, the Crosley station in that city, some features of genuine merit which Radio listeners realize and appreciate. Arthur Brecht, solo cellist with the Cincinnati symphony orchestra, was another addition to high-class musical offerings, indeed, rivaling in tonal beauty and technical proficiency those recognized as world leaders of the instrument. The sonata form of musical composition has phases of interest to which music lovers are ardently drawn.

In miking some orchestrations, the brass smother the strings so as to leave an unbalanced effect, which is not the fault of the orchestra leader but of the arrangement before the mike. Again, a choir of the orchestra is intended to stand out from the rest, as in picking up a theme for its development. This latter case applied to a portion of an orchestra concert put on the air from the studio of Station WOAW, Omaha, when the clarinets beautifully played their part with accompaniment by the other choirs. It was very well done.

A real treat is in store for the music lover who tunes in on WGN, Sunday evenings at 9:15 Central time. This station has inaugurated a novel feature in their Music Room. The announcer graphically describes the den of an old-fashioned music lover; in one corner is an old square piano, sweet-toned violins adorn the walls and the tables are covered with manuscripts yellow with age. The music master talks and calls the ghost of old-time composers. Each week a different composer's work is heard.

If organ recitals mean anything to you, I would suggest tuning to WEAR, Cleveland, and sampling some of their concerts. Especially commendable was a concert given there recently by Vincent Percy and a group of soloists happily selected for the program. We have on occasion listened to organ recitals where the performer failed to make use of the subtle combinations of stops to produce effects impossible with any other musical instrument, yet no such detraction occurred while Mr. Percy entertained. His work was modestly performed with pleasing result.

The Gold Medal Station, WCCO, Minneapolis-St. Paul, is no slouch when it comes to dance programs and if you doubt that, just try them while the Golden Pheasant dance orchestra is on the air. You may prefer numbers not appearing on their programs, but few will be disappointed with the rendition of such as do appear there. Maintenance of rythym and spirited playing are noteworthy attributes and what more do lovers of dance music demand? Try them out.

The Atwater Kent concerts have produced some remarkably fine musical talent, in fact, many of the foremost artists in the world have, or will, appear before the mike in the studio of Station WEAF, New York. To find what stations are linked in the chain of broadcasters turn to the advance program pages. I shall review two concerts in this paragraph. When the London String Quartet played, their program was notably lacking in contrast, which may be set down as due to unfamiliarity with Radio broadcasting. Comparisons may be out of place, but I make bold to state that the exquisite nuances and virile attack so characteristic in the playing of the Flonzaley Quartet was lacking to a marked degree. Again, we had the good fortune to hear Josef Hofmann, master pianist, in familiar works. A great night.

1926 Model Four-Filter Super-Heterodyne

Part III—Assembly and Wiring

By the Technical Editor

IN LAST week's article, the work was taken through the alteration and drilling stages ready for assembly. The front panel assembly should cause no one any particular trouble so far as the condensers, brackets and switch are concerned. The right condenser mounts tight up against the brass shield; the brass was cut away sufficiently for the left condenser that the mounting pillars could be tight against the panel yet not touch the brass. For use in mounting the potentiometer, cut a cardboard disk the same diameter as the base of the potentiometer and cut small holes in it to pass the three mounting screws and the shaft. This unit is then mounted with the cardboard between the bakelite base and the brass shield; the cardboard is used only to be sure the lock washer around the shaft does not touch the shield.

Sub Base Assembly

The assembly holes in the sub base may need a little explanation. In the rear left corner will be found a hole 1½ inches from the left edge and 1 13/16 inches from the rear edge. To the right of it 2¼ inches is another hole. These are for the pins on which the Cruver coil is mounted. In front of these, and to the right of the Bradleyleak, are two more holes 2½ inches from front edge of sub base and 2 inches apart. These take the Benjamin socket for the first detector, mounted with P and F terminals to the rear. Proceeding further to the right and ⅜ inch from the front edge will be found four pairs of holes 1 inch apart for four more sockets and each is mounted with P and F terminals to the front. This brings us to the third pair of bracket holes. Just to the right of them and only ¼ inch from the front edge, are two holes 1 15/16 inches apart for the oscillator tube socket, mounted with P and F to the front and with more than half the base hanging over the front edge. This will be clear from figure 5. The small hole a little further to right and ⅞ inch from front edge takes the small right angle bracket used to support the oscillator coupler so that it also hangs over the brass beyond front edge of the sub base.

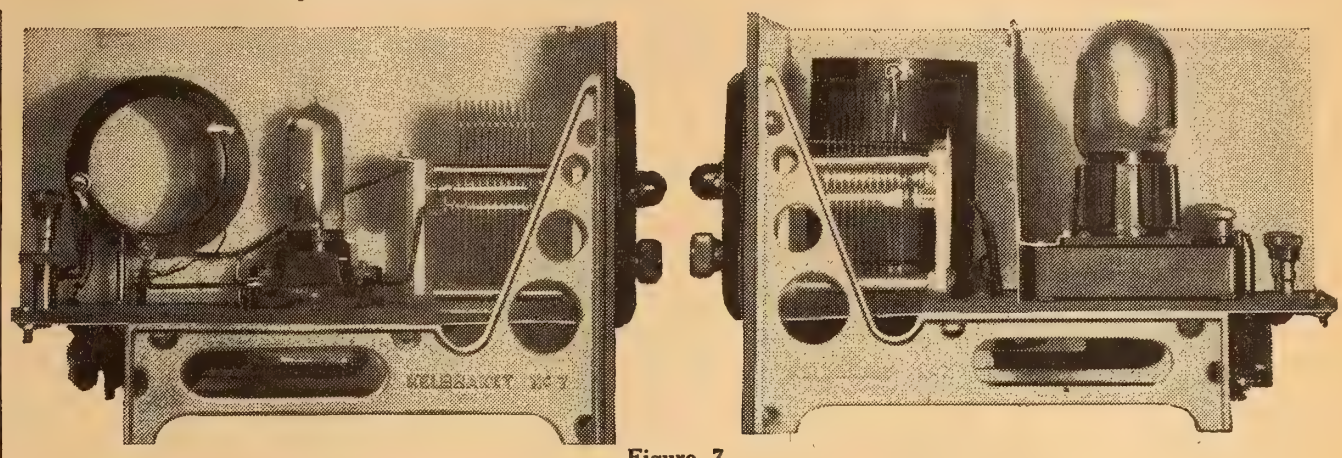


Figure 7

The two small holes near the center lengthwise, 9⅜ inches apart and 5/16 inch from rear edge hold the Master Long Wave Intermediate Unit with two small right angle brackets. Two holes are needed to support the Daven unit in place. 1¾ inches from the rear edge and just to right of the third bracket holes from left is one of these holes; the other is 2 inches from the front edge of the sub base and 5/16 inch in from right edge. Binding posts are placed in the two holes behind this Daven unit and 11/16 inch in from rear edge of sub base. The Bradleyleaks are put in, in both cases, with terminals to the right. Secure the assembled sub base to the brackets, which have

(Continued on page 20)

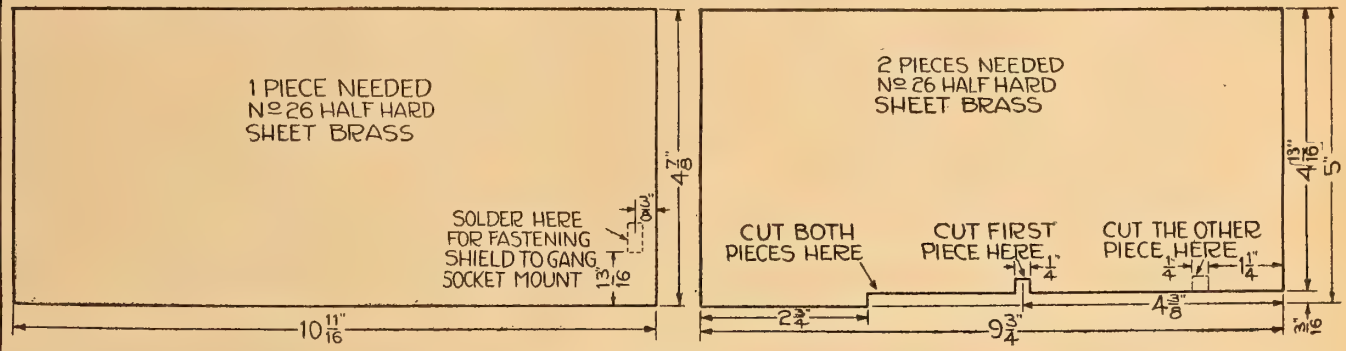
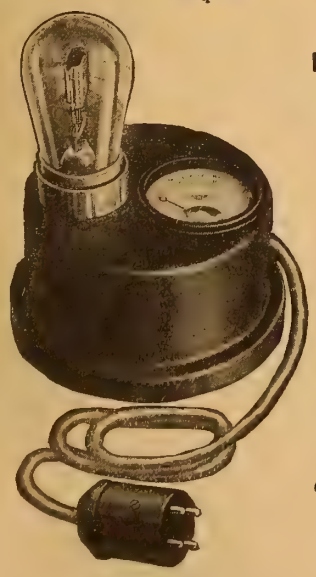


Figure 8

JEWELL



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¶ One poor tube in a set may be the cause of all of your radio trouble.

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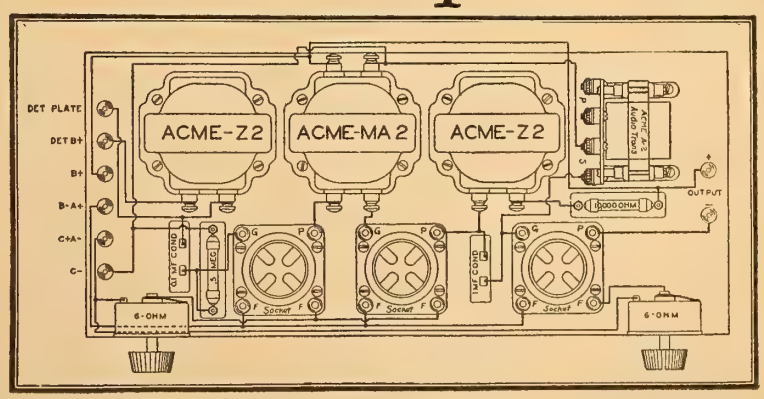
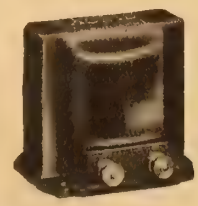


Impedance • • • Transformer • • • Impedance

THE diagram above will give you some idea of the very latest step in audio amplification. This is the outgrowth of nearly 7 years of experience in working on proper amplification—the problem of "How well you can hear."

Acme research work has been confined to audio amplification and reproduction, and here you find the latest result. An audio amplifier using the combination of impedance and transformer coupling with over-all amplification greater than two transformers, and far superior in quality, no matter what the type of transformer used. Whatever set you have, just add this amplifier to your detector and notice the difference.

A complete working diagram of the above chart will be sent you for 25c. It is easier to follow than the plainest road map. With this chart we shall be glad to send you free a copy of "Amplification Without Distortion," a famous radio book over 300,000 radio fans have found helpful. It tells the whole story of distortion and how it can be overcome. Use coupon below for convenience. Acme Apparatus Company, pioneer radio and transformer engineers and manufacturers, Cambridge, Mass., U. S. A.



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FOUR-FILTER SUPER

(Continued from page 19)

previously been attached to the front panel. Then add the Amperite strip to the back surfaces of the two central brackets and solder the bypass condensers in the positions shown in the photographs, figures 5 and 6.

The wiring of this set begins with the negative filament connections. Using a piece of heavy rubber covered wire, connect the minus A post on the Daven unit, through the sub base and forward to one of the filament switch terminals. The other switch terminal connects, with a 1-inch piece of wire, to the front panel plus A binding post, the connections to all tubes, from the plus A of a storage battery, are completed.

Binding Post Strip

For the antenna and ground binding posts, a small piece of ⅛-inch bakelite is needed, 1 inch wide and 3¾ inches long. A hole is bored in this ½ inch in from each end; ⅞ inch in from each of these holes bore another. These two holes 1 inch apart are for the antenna and ground binding posts while the outer two are for long 6-32 machine screws which go down through ¾-inch pillars and the sub base and are secured beneath the sub base with hex nuts. This supports the binding posts up away from the sub base

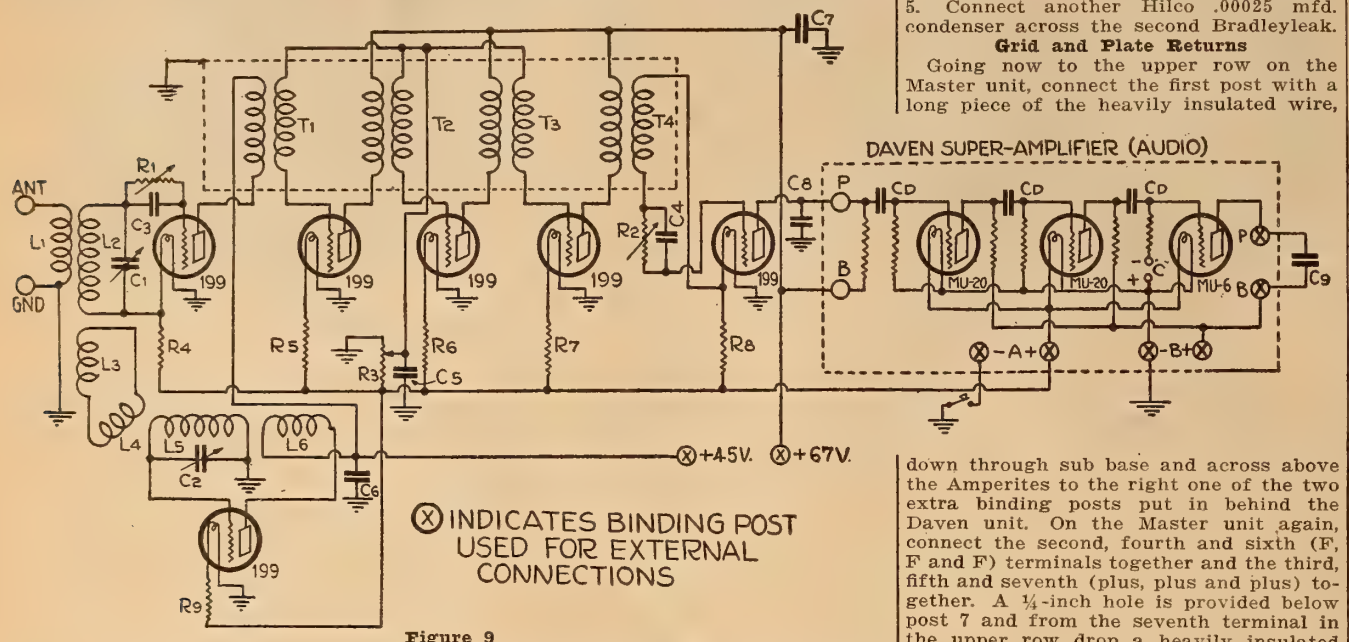


Figure 9

shield. Now connect the front right terminal of the first detector socket to the brass shield below sub base, at a point just in front of the front edge of the bakelite sub base. Similarly, connect the left front terminals of the three intermediate sockets and the second detector, also the front right terminal of the oscillator socket (No. 6). Now drop a piece of wire through sub base from the negative B post on the Daven unit and solder it to the brass shield below sub base. Thus, if the negative of a storage battery is connected to the negative A post on the Daven unit (remember, it was altered) and the switch is closed, connection is made through the shielding to each tube.

Now slip a soldering lug under the positive A post on the Daven unit and to it solder a piece of heavy rubber covered wire which goes down through sub base to the nearest Amperite unit. A piece of ordinary bus bar can then connect the lower right ends of all six Amperites. Now connect the upper end of the left Amperite, with a piece of the heavy rubber covered wire, to the rear left terminal of the first detector socket at left end of set. Call that socket number 1 and the 199 sockets from left to right as 2, 3, 4, 5 and 6. Connect the second Amperite from left to socket 2 at the rear right terminal, the same with Amperite 3 and socket 3, Amperite 4 and socket 4, Amperite 5 and socket 5 (second detector) and connect the upper end of Amperite 6 to the rear left terminal of socket 6 (oscillator). Since the proper terminals in the Daven unit are already connected to the and its shield. With ordinary bus bar connect the left binding post to that end of the primary whose terminal is in the left coil ring and the right binding post to that end of the primary with its terminal in the right ring. Another short piece can connect this right terminal to the right coil support thus connecting it to the shield.

Now connect the left secondary terminal of the coil, forward to the left soldering lug on the stator of the left condenser, bending the wire down so it is but ¼ inch above sub base. It will thus pass over the ¼-inch hole bored just to left of the Bradleyleak. With a piece of the heavy rubber covered wire connect this last wire, down through the sub base to the rear terminal of the Bradleyleak. With another piece of the heavily insulated wire connect the front terminal of the Bradleyleak to the left front corner terminal of socket 1. Connect one of the .00025 mfd. Hilco fixed condensers across the terminals of the Bradleyleak as shown in the photos. There are two soldering lugs on the rear end plate of the X laboratory condenser, so run a wire from that in the upper right corner down to the right end terminal of the secondary of the coil. From the rear left corner terminal of socket 1 run a wire straight to the right and solder to this last wire put in. This completes the input circuits.

A short piece of the heavily insulated wire is used to connect the rear right terminal of socket 1 across to the first lower row (P) post on the Master unit, bending this wire down against the sub base. Speaking now of the lower row of posts on the Master unit, connect the second post to the rear left terminal on socket 2 and the third to the front right terminal on that same socket. The fourth goes to the rear left terminal of socket 3 and the fifth to that socket's front right terminal. The sixth Master post goes to the rear left terminal of socket 4 and the seventh to that socket's front right terminal. From the eighth post, a heavily insulated wire goes down through the ¼-inch hole provided and forward to the front terminal on the second Bradleyleak. The rear terminal of this leak connects up through another ¼-inch hole, provided, to the rear right terminal of socket 5. Connect another Hilco .00025 mfd. condenser across the second Bradleyleak.

Grid and Plate Returns

Going now to the upper row on the Master unit, connect the first post with a long piece of the heavily insulated wire, down through sub base and across above the Amperites to the right one of the two extra binding posts put in behind the Daven unit. On the Master unit again, connect the second, fourth and sixth (F, F and F) terminals together and the third, fifth and seventh (plus, plus and plus) together. A ¼-inch hole is provided below post 7 and from the seventh terminal in the upper row drop a heavily insulated wire through sub base and back to the left one of the two separate binding posts back of the Daven unit. Where this wire comes out below sub base, connect a wire to it and across to left to the right terminal of the 1 mfd. Tobe condenser placed to left of the second Bradleyleak. The left terminal of this condenser is soldered to the brass shield placed under the sub base.

From the left post on the potentiometer drop a heavily insulated wire through sub base and back to the lower terminal of the second Amperite from left. From the right post on the potentiometer drop a wire to the front soldering lug on the 1 mfd. Tobe condenser shown and solder both to the flat shield on which the condenser is placed. From the rear soldering lug on this condenser run a wire up to the center post on the potentiometer. From the eighth post in the upper row on the Master unit drop a wire to the rear right terminal of socket 5.

We now come to the oscillator unit. From the lower terminal of the plate coil on the oscillator coupler run a wire forward between coil and condenser, then to left to the front left terminal on socket 6. Now connect the upper terminal of the grid coil with a short wire to the left stator soldering lug of the variable condenser and continue this wire down and across in back of the coil to the rear right terminal of the socket. Now connect the lower end of the grid coil to the lug on the upper left corner of the rear end plate on the condenser (about 1 inch) and continue the wire forward and to left to the front right terminal on the socket. From the upper end of the plate coil, use a piece of heavily insulated wire and drop it down through the ¼-inch hole provided and back to the right one of the two separate binding posts (plus 45). Where this comes through below sub base connect it to one terminal of a 1 mfd. condenser as shown in the photographs and connect the other terminal of this condenser to the flat shield.

Pick-Up Coil

Two terminals remain on the oscillator coil which are from the pick-up coil or rotor. From each of these drop a piece of heavily insulated wire down through sub base and across to left to the ¼-inch holes provided just below the right bakelite ring on the Cruver coil. Bring them up through these holes and connect one to each of the terminals provided from our special two-turn winding put on the Cruver coil. These wires carry the energy from the oscillator circuit and impress it onto the first grid circuit.

Now to clean up a few odds and ends and we are through. A piece of the rubber covered wire is used from the front right terminal on socket 5 to go straight back and to P post at left end of the Daven unit. Connect the .002 mfd. Hilco condenser across the front left and front right terminals on socket 5. This is condenser C8 in the wiring diagram. From the B post (second from the left) on the

(Continued on page 22)

Fred W. Stein.

Steinite Low Loss Interference Eliminator

No Radio Set Complete Without It

Select stations at will. With music and voices crowding the air the average set fails to bring in the desired stations properly. The *Steinite Interference Eliminator* shuts out local and other interference. You get one station at a time, the one you want, and tune in loud and clear. Operates on any set—attach to aerial wire and to set—no changes—no extra tubes or batteries. Greatest Dollar Value in Radio Today.

OVER 300,000 SOLD

Improved Results With Tube or Crystal Try entirely at my risk the wonderful improvement this inexpensive little device will make in the reception of your set. Improves results on both crystal and tube sets that use any kind of aerial except loop antenna. Clears up reception wonderfully, increases volume, and partially absorbs static. ***MONEY-BACK GUARANTEE.***

Mfrs. Famous 1,500 Mi. Steinite 1-Tube Set, $6; Long Distance Crystal Set, $6; Steinite Crystal 50¢—3 for $1

STEINITE 5-Tube Set—$29.75

FREE Descriptive Literature on request.

PATENT PENDING.

Put this interference eliminator on your set and note amazing improvement. No tools needed—install in a moments time. Connect with set and follow simple instructions. Money back promptly if not delighted. $1.00 postpaid anywhere in U. S. when cash with order.

$1 Postpaid If you are not delighted with results you get your dollar back

References: Exchange National Bank, Atchison Savings Bank. Order today—a dollar bill will do.

STEINITE LABORATORIES, 161 Radio Bldg., ATCHISON, KANSAS

"The Better Condenser"

TOBE

THOUSANDS will build or buy B-Eliminators this spring and summer.

The Public is just beginning to realize the wonderful advantages of them.

If you build a B-Eliminator, make sure that you use TOBE Condensers in it. THE TOBE B BLOCK combines in a single unit all of the filter condensers required, sells at $11.00, and saves you $2.50 over the cost of separate condensers. It saves much space and wiring labor. Dimensions are 4 in. x 2¼ in. x 5¼ in. high.

If you buy a B-Eliminator, make sure that it uses the TOBE Condensers. Most of the good ones do.

And, in building your improved, resistance or impedance coupled audio amplifier and in by-passing the B Battery in your set for perfect reproduction without noise, use the TOBE Condensers.

At your dealers in the distinctive silvered case and silvered carton.

Tobe Deutschmann Co.

CORNHILL BOSTON, MASS.

How to Stop Blooping and Man-Made Static

Part VII—51 Types of Interference

By the Technical Staff

A GOOD Radio receiving set is one of the most sensitive instruments made by man. In the bureau of standards in Washington there are some of the most delicate mechanical and electrical devices in the world for measuring weights, lengths and electricity. The most sensitive of these devices, which are operated only by scientists with years of training, is hardly more sensitive than some Radio receivers. The real wonder of Radio broadcast reception is that it has been possible to make these ultra sensitive instruments so simple and convenient to use that persons with no scientific knowledge or training are able to get such wonderful results from them. A good Radio receiver will give understandable reception if the radio frequency voltage received on the antenna is only .0001 volt per foot. Is it surprising that your receiver picks up scores of disturbing noises?

Electrical Interferences

It is not yet possible to prevent static from interfering with Radio reception. Aside from static there are many causes of noises in your receiver. A large number of these are produced by electric devices of various kinds, some of which may be in good condition and operating as they are supposed to operate. It would be possible, of course, to do away with all these noises, but this would be at the expense of giving up all of our modern electrical conveniences, including electrical transportation, automobiles, motors and all household electrical devices. This, of course, is a price none of us would consider paying. Let us take a look at some of the sources of man-made interference, for which list we are indebted to Mr. E. P. Peck of the Utica (N.Y.) Gas and Electric company.

In Receiver or Accessories:

1. Improperly tuned receiver
2. Loose connection in set or speaker cord
3. Defective grid leak
4. Shorting condenser plates
5. Defective fixed condenser
6. Discharged or weak batteries
7. Loose battery connections
8. Defective B battery eliminators
9. Socket trouble
10. Poor tubes

From Apparatus in Your or a Neighbor's Home:

11. Vacuum cleaners
12. Sewing machine motors
13. Violet ray machines
14. Ozonators
15. Door bells and buzzers
16. Switching of lamps, etc.
17. Thermostatic heating pads
18. Some types of oil burners
19. Certain washing machines
20. Vibrating battery chargers
21. Some electrolytic chargers
22. Elevator controllers
23. Bad contact in switch, fuse or socket
24. Set too close to lighting wires

From Outside Sources:

25. Defective transformers
26. Regenerative receivers
27. Sign flashers
28. Commercial code stations
29. Amateur code and phone stations
30. Induction coils
31. Electric street cars
32. Defective rail bonding
33. Heterodyning between stations
34. Overlapping of stations
35. Telephone ringers
36. Telephone and telegraph lines
37. Arc motion picture projectors
38. Motors of commutator type
39. Electric welding apparatus
40. Doctor's X-ray machines
41. Static machines
42. Static produced by belts
43. Manufacturing processes
44. High potential circuits
45. Arcing wires in trees
46. Leaking power line insulators
47. Defective power lighting arrestors
48. Street lamp loose in socket
49. Bad contact in switches
50. Smoke precipitators
51. Defective street light rectifiers.

Fairness to Power Company

This does not cover all possible sources of trouble by a great deal. However, in this list, it is seen that there are ten possible kinds of trouble that can be caused by your own receiver or the apparatus connected to it. There are fourteen kinds of trouble that may occur in the

(Continued on page 22)

Radiotone Loud Speaker

Now *Only* $19.95
Was $25.00

The BEST Radio Affords

$1.00 down!

With the Radiotone all the family can enjoy your radio at the same time!

Yes, Genuine Radiotone loud speaker—the same loud speaker that is selling everywhere for $25.00—now at a sweeping cut price, only $19.95 and on easy monthly payments, besides! Only $1.00 with the coupon below brings the Radiotone to your home on approval for 30 days! No radio is complete without a loud speaker—a *good* loud speaker. The whole family may "listen in" at the same time, leisurely—instead of taking turns at the headphones. Or if you have a loud speaker now that isn't satisfactory, that doesn't bring in stations loud and clear, this is your opportunity to get a first class loud speaker—yes, the best and we'll *prove* it on this offer—at an astounding rock-bottom reduced price, direct—and on easy, monthly payments besides!

Makes Your Radio Complete

The Radiotone is the last word in sound reproduction and amplification for radio sets. It is super-sensitive. Brings in distant stations with full volume so every one in the room can hear distinctly and easily. Wonderful clearness and absolute purity of tone. No distortion. No crouching in front of the loud speaker to hear announcements.

The Radiotone has a 14-inch horn made of Thorite in one piece without seam or joint, accoustically correct. This eliminates the metallic clang you often hear in other loud speakers. The reproducing unit is entirely enclosed at the base of the horn. The well balanced construction does away with all vibrations. The Radiotone has a graceful shape with a beautiful black florduline finish. It stands 23 inches high and weighs only 15 lbs. No extra batteries needed for the Radiotone—just plug it in as you do your head set. Nothing to wear out or get out of order. Sent complete with cord and plug.

30 Days Trial!

When the Radiotone comes, there's nothing to pay. Use it freely at our risk, on trial for 30 days. See how much more use and fun, you and all the family get from your radio with this loud speaker. See how loud, clear and distinct the Radiotone brings in all stations—better than any other loud speaker you've ever heard, giving you the best that is in your set. After 30 days trial if you think you can get along without the Radiotone, return it to us and we will refund your dollar plus all transportation charges. No red tape. The trial costs you not a cent.

Straus & Schram, Dept. R-6413 Chicago, Ill.

Enclosed find $1. Ship special advertised Radiotone Loud Speaker, I am to have 30 days free trial. If I keep the Radiotone, I will pay you $3.00 monthly, total reduced price, $19.95. The Radiotone is to become my property as soon as you receive the final payment. If not satisfied, I am to return it within 30 days and you are to refund my money and any express charges I paid.

Radiotone Loud Speaker No. Y8728A—$19.95

My Name .....
(Head of the family must sign this order. If you are not of age, have your parent or guardian order for you.)

My Street Address
R.F.D. or Box No. .....

My Post Office ..... *My State* .....

My Shipping Point ..... *I have lived in this Town* ..... *years*

And before that I lived in ..... (Town) ..... (State) ..... *for* ..... *years*

Occupation is ..... *Age* ..... *Married or Single* .....

Give names of merchants who know you personally

Name ..... *Town* ..... *State* .....

Name ..... *Town* ..... *State* .....

If you have ever bought goods on credit by mail, tell us from whom. If there is anything else you wish to tell us about yourself, write on a piece of paper and enclose it with this coupon. But the coupon alone, fully filled out, ought to do.

That's all we want to know and we're ready to ship the goods at once. No formalities. No C.O.D. We trust rich and poor alike when they merely show us that they are honest.

$3.00 a Month

But if you decide to keep the Radiotone, pay only $3.00 a month until you have paid the special reduced price—only $19.95. See if you can equal this offer anywhere on such amazingly liberal terms. You'll scarcely feel those small monthly payments. Surely, now, you can afford to have the Radiotone—*the best loud speaker*—and get the most fun out of your radio set for all the family.

Send Coupon NOW!

Seize this opportunity on this special offer. Only $1.00 with the coupon brings the Radiotone on 30 days' trial, satisfaction guaranteed, your dollar refunded if not satisfied. Send the coupon *now* while this special offer lasts.

Straus & Schram
Dept. R-6413 Chicago, Illinois

Gets Everything But Noise!

Read this convincing letter from a man who has "listened and marveled":

"Atchinson, Kan.
Kane Antennae Co. Jan. 14th, 1926
Dear Sir:
The Kane Antennae sure does the work. It has cut down local interference until you cannot notice it. Now I am in as bad a place as can be found for radio. So my trouble is over with interference. Showing you that I am more than satisfied, I want the same kind of a Kane Antennae with aerial and counterpoise for my home. I am using this one at the store.
CHAS. MILLER CIGAR STORE"

Improves Reception 60%

Entirely eliminates all power noises such as leaky transformers, generators, motor hums, Delco Plants, etc. Cuts static and regeneration howls and squeals in two. Dr. Gehrig of Oakland, Cal., says it improves his reception fully 60 percent. Do away forever with disagreeable noises.

$1.00 *Brings BLUE PRINT Complete Working Drawings* and full instructions for erecting this wonderful Antennae. Just send $1.00 (a check will do. Stamps not accepted). A limited number available. Send TODAY.

KANE ANTENNAE CO.
Dept. 823C, 3034 W. Van Buren St., Chicago, Ill.
Dealers—Send at Once for Attractive Proposition.

KANE ANTENNAE

FOUR-FILTER SUPER

(Continued from page 20)

Daven unit, drop a wire through the sub base and to the left one of the two separate binding posts (plus 67). The Hilco .005 mfd. condenser is now connected to the OUTPUT binding posts on the Daven unit. An Eveready C battery is set upright against the front panel, resting on the flat shield and just to left of the second bracket from left in front of socket 2; plus to right. From the fifth post in the upper row of the Master unit run a wire forward and to left to the "minus 3" of this battery and from the plus on the battery run a wire down and to right to the center post on the potentiometer. This battery is not shown in the wiring diagram.

Secure two of these Eveready C batteries to the underside of the flat shield beneath the Daven unit and connect them in series, that is the plus on one to the minus 4½ of the other. Two holes (not shown in drilling layout) will have to be put through the sub base 5¼ inches from rear edge and 3 inches and 2¼ inches in from left edge. The strap is removed on the Daven unit connecting the front end of the last resistor to a post close against the third socket. The plus on the C batteries not previously connected is connected up through the sub base to the post close to the third Daven socket and the remaining minus 4½ on the C batteries is connected up through to the front end of the last resistor, putting 9 volts of C on the grid of the third Daven tube.

The layouts for the three remaining shield pieces are shown here. Of the two notched, one goes tight against the left end of the Master unit, while the other fits snugly against the right side of the third bracket from left and passes about ¼ inch to right of the right end of the Master unit. Before putting in this last named one, connect a four-inch piece of flexible wire to the grounding post projecting from the right end of the Master unit and then insert the shield. The end of this wire can now be soldered to the shield at its rear edge. The third and unnotched shielding piece goes between the oscillator equipment and the Daven unit. The screw holding the front right corner of the Daven unit is loosened and a small right-angle bracket is slipped under it, the vertical portion of this bracket being soldered to the shield just put in.

Antenna and ground connections are made to the first and second binding posts at the left rear corner of set. Battery connections are made as follows: Plus A on the storage battery to plus A on the Daven unit, minus A on battery to minus A on the Daven unit. Negative of a 45-volt B unit connects to negative B on the Daven unit. Plus of this first B unit connects to negative of a second one and to the right one of the two posts behind the Daven unit. The plus 22 post on this second B unit goes to the left of the two separate binding posts while plus 45 of this B unit goes to negative of a third B unit. Plus of this third B unit goes to plus B on the Daven. The speaker goes to the two OUTPUT posts of the Daven unit.

If the ends, back, top and bottom of the cabinet are lined with the number 20 half hard brass it will be seen that the input circuit is in one pocket, the intermediates and second detector in another, the oscillator in a third and the radio frequency amplification in a fourth.

HELP STOP BLOOPING

(Continued from page 21)

electric equipment in your own house or in your neighbor's house. There are twenty-eight sources of trouble that ordinarily are outside your house, and, of these, nine may be in power companies' lines. Power companies, as a rule, are very desirous of locating and correcting every case of Radio interference caused by their lines or equipment. A power company is, however, organized for the purpose of delivering electric service to its customers at the lowest possible cost, and they cannot incur unjustified expenses.

Cause Little Interference

Your power company would be subject to severe criticism if it incurred large expenses for things entirely outside its normal business. You can see from looking over this list that only a small fraction of the troubles experienced by broadcast listeners are due to power companies' equipment. The power company cannot undertake to correct Radio troubles not caused by its system, and it should not be called upon to investigate sources of trouble over which it has no control. Every Radio set owner has the duty of finding out whether the trouble is caused by his own set or by something in his house before he calls on the power company. If you are not capable of making the necessary simple tests, or do not care to make them, you should call on the Radio dealer who supplied the set for his assistance and you should expect to pay him for his work.

Join Radio Club

Find out if there is not a Radio club in your locality. Nearly all such clubs now have experts to go out and check up interference troubles, or have the equipment for doing this work by members. Full descriptions of the apparatus used by clubs and power companies for searching out sources of trouble will be presented in later chapters of this series.

(Next week's installment of this series contains the tests for locating the more ordinary sources of trouble and means for correcting these difficulties when found.—Editor's Note).

GOLDENROD GOLD PLATED AERIAL

Used by broadcasting stations and ships at sea for higher efficiency and no corrosion. Approved by Popular Science Institute of Standards, Popular Radio Laboratory, Everybody's Radio Weekly Laboratory and others. Guaranteed to bring in more stations, better reception, greater distance, more volume. Agents and Dealers write.

IMPERIAL RADIO CORPORATION
Dept. 71, 1945 Wabansia Ave. Chicago, Ill.

The wonderful SUPERFLEX radio

NEW CIRCUIT—ONE DIAL (one condenser—pat. pndg.) Not reflex. Volume, Clarity, Distance, Selectivity.

Sample to Rated DEALERS. TEST ONE.
RADIO PRODUCTS CORPORATION, (Inc.)
3816 N. 28th St. Birmingham, Alabama

A & B Battery Charger ONLY $2

SATISFACTION GUARANTEED

Charges any type of storage A or B battery, using a few cents worth of ordinary house current. Works perfectly on either alternating or direct current. Cannot injure battery and lasts for years. May be used as a trickle charger. Complete directions enclosed — anyone can operate. No expensive "extras" to buy.

Why pay $10.00 to $18.00 for a charger when you can get this splendid GUARANTEED R. B. Charger by mailing us two dollars (bills, money order, check or stamps) plus 10c in stamps or coin to pay mailing costs. Charger will be sent postpaid. If you are not satisfied, return within five days and we will refund your money. Order at once—TODAY.

R. B. Specialty Company
308 East Third, Dept. 340, Cincinnati, O.

Televocal QUALITY TUBES

Televocal Corp'n
67 A Fifth Ave. ~ ~ New York

A "RADEX" Tuning Chart

Shows by dial numbers, wave length to which set is tuned. Tells where to place dials for any station. Identifies programs received without announcement.

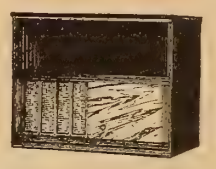
Adapted to any set

Send 25c Coin or Stamps
RADEX, Box 143-S, CLEVELAND, O.

Radio Bargain Hunters

This Cabinet with built in speaker **$3.45** 7x21

also carried in 7x24—7x26



Finished in hand rubbed Adam brown mahogany. Lower part of the cabinet contains the loud speaker horn. The end of the loud speaker is covered with a silk screen which adds richness to the entire cabinet. A clip suitable for attaching a loud speaker unit is included. No unit included.

Panel Size	Price
7x21	$3.45
7x24	3.95
7x26	4.95

Values to $14.00

We purchase for cash, bankrupt and surplus stocks from manufactures and jobbers throughout the country. By selling entirely for cash, we are able to offer guaranteed quality radio apparatus at hitherto unheard of, low prices. We do not have everything in radio, but if we have it, you can save money.

Send for the Bass Bargain Bulletin and save money on your radio needs.

A. H. BASS & CO.
744 N. Clark St., Dept. 14, Chicago, Ill.

9 "ROXY" ROTHAFEL OF WEAF CHAIN
Size 11x14 inches

Photogravures of Your Favorite Artists

GALLERY OF RADIO STARS

By special arrangement, Radio Digest is able to offer its readers a great opportunity to secure fine photogravures of their favorite Radio stars at practically no cost. Below is only a partial list of the photogravures now included in the Gallery of Radio stars. Complete list in March 20 issue.

1 Wendell Hall, king of ukulele ditties.
2 Graham McNamee, 1925 Gold Cup announcer.
3 Jack Little, popular wandering balladist.
4 Billy B. Van, the Sunshine Man.
5 Coon-Sanders' "Nighthawks" at KYW

COUPON NO. 14

This coupon entitles the holder to one photogravure selected from the Radio Digest Gallery of Radio Stars when accompanied by ten cents to pay the cost of mailing and postage. Three consecutively numbered coupons entitle the holder to three photogravures when accompanied by 25 cents. Remittance must accompany the coupon. Cash at your risk. Add 5 cents to personal checks for exchange.

Order by Number.....

RADIO DIGEST PUBLISHING CO.
510 N. Dearborn St. Chicago, Ill.

2 NO MORE BATTERIES 2

Eliminate all batteries, "A," "B" and "C." Any type of set, any type of tubes, and any number of tubes. Smooth, steady flow of current for filament and plate. Either Direct or Alternating Current. No Hum. Complete plans, blueprints and all instructions for only—$2.00. Fully guaranteed—can be built by any radio amateur or fan. Send for a set today, mentioning type of current used.

ENGINEERS SERVICE COMPANY
Suite 203, 15 Park Row NEW YORK

FOR CLEAR, QUIET "B" POWER

RADIO Storage "B" Battery

12 Cells 24 Volts *Lasts Indefinitely—Pays for Itself*

Economy and performance unheard of before. Recharged at a negligible cost. Delivers unfailing power that is clear, pure and quiet. Approved and listed as Standard by leading Radio Authorities, including Pop. Radio Laboratories, Pop. Sci. Inst. Standards, Radio News Lab., Lefax, Inc., and other important Institutions. Equipped with *Solid Rubber Case*, an insurance against acid and leakage. Extra heavy glass jars. Heavy rugged plates. Order yours today!

SEND NO MONEY Just state number of batteries wanted and we will ship day order is received. **Extra offer:** 4 batteries in series (96 volts), $10.50. Pay expressman after examining batteries. 5 per cent discount for cash with order. Mail your order **now!**

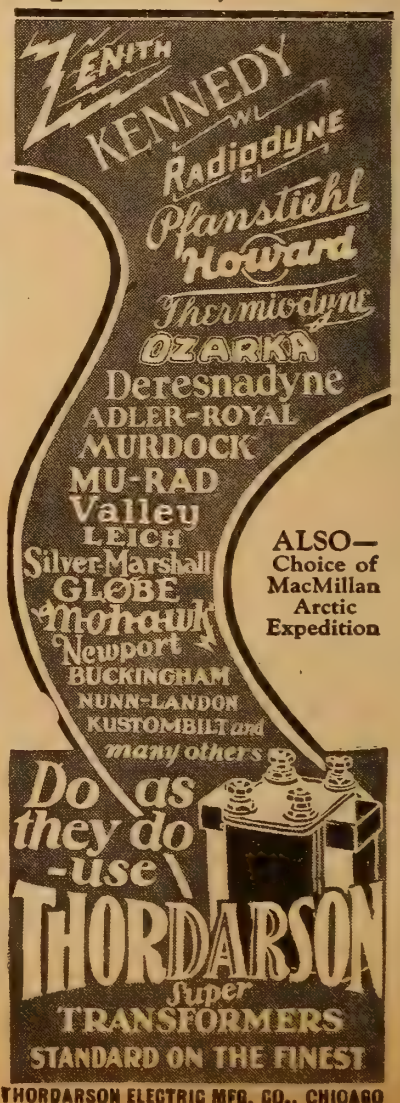
WORLD BATTERY COMPANY
1219 So. Wabash Ave., Dept. 76 Chicago, Ill.
Makers of the Famous World Radio "A" Storage Battery
Prices: 6-volt, 100 Amp. $11.25; 120 Amp. $13.25; 160 Amp. $14.00. All equipped with Solid Rubber Case.

World STORAGE BATTERIES

Set your Radio Dials at 210 meters for the new 1000 watt World Storage Battery Station, WSBC, Chicago. Watch for announcements.

KDKA ≠ WEAF ≠ WGN ≠ WJS ≠ KHJ ≠ KGO ≠ KFAF ≠ WJY ≠ KOP

Year after Year leading builders of fine sets use more Thordarsons than all competitive makes of transformers combined —proof they are best!



ALSO— Choice of MacMillan Arctic Expedition

THORDARSON ELECTRIC MFG. CO., CHICAGO

CLASSIFIED ADVERTISEMENTS

BLUE PRINTS

Super Using J. E. Long Wave Air Core Transformers and standard parts. Eight tube set which will cut down interference, static and local noises 50%. Tone Rich and Full Reception. Loop Long Range, New principle in hetrodyne. Prints and assembly instructions 50 cents. James M. Davis Co., 30-A Euclid Arcade, Cleveland, Ohio.

PATENT ATTORNEYS

PATENT ATTORNEYS

PATENTS. Booklet free. Highest references. Best results. WATSON E. COLEMAN, Patent Lawyer, 644 G Street, Washington, D. C.

RADIO

Big bargains in radio sets and parts. P. V. Grasberger, Bumpass, Va.

Synthetic or Galena Crystal as good as the best, better than the most. Sent any place in U. S. for 25 cents. Money refunded if not satisfied. A. F. Thompson, 704 N. Marsalis Ave., Dallas, Texas.

Five tube radio sold on easy terms to anybody anywhere. One year to pay. Descriptive circular and payment plan free on request. Enclose stamp. Serlin & Co., 1417 Broadway, Detroit, Mich.

MISCELLANEOUS

Photos of Your Favorite Radio Stars. Ten cents and coupon appearing on another page of this issue will entitle you to one of the photos from Radio Digest gallery of stars. Radio Digest, 510 North Dearborn Street, Chicago.

Radiophone Broadcasting Stations

Corrected Every Week—Part II

FIND MISTAKES AND YOU'LL GET DOLLAR

ONE DOLLAR will be paid to the Radio fan reader of Radio Digest submitting the most errors in any one station's listing in the Directory of Radiophone Stations, which appears in six parts, serially continuously on the next to last page. Letters must reach Radio Digest's office not later than one week from date of issue corrected. Readers are not limited to correcting one station, but such corrections must be verified by the stations themselves, and NOT by comparison to other so-called accurate Radio directories or lists. Verifications must accompany corrections. Turn in corrections for as many stations as you can find—if you can find errors! Use separate sheet of paper for each station submitted and place name and address on each sheet. In case of tie, duplicate awards will be made.

United States (Cont'd)

(Note—The second part of the schedule list appears below. The first appeared last week.)

KMOX, St. Louis, Mo. 280.2m-1070kc. The Voice of St. Louis. Announcer, Nate Caldwell. Daily ex Sun, Thurs, 9:40 am, markets; 12:30 pm, organ; 3, 4, 6-11:30, music. Thurs, 9:40 am, 12:30 pm, 3, 4. Sun, 9 pm. Central.

KMTR, Los Angeles, Calif. 238m-1260kc. 500 watts. K. M. Turner Radio Corp.

KNRC, Los Angeles, Calif. 208.2m-1440kc. 250 watts. Kierulff & Ravenscroft Co. Announcer, "Hastings." Daily ex Sun, 10 am. Mon, 1:30 pm. Tues, Wed, Thurs, Fri, 7-9 pm. Pacific.

KNX, Hollywood, Calif. 336.9m-890kc. 1000 watts. Los Angeles Evening Express. Announcer, "Town Crier." Daiy ex Sun, 7:30 am, exercises; 8, prayer; 9, time; 9:05, news; 10, Town Crier; 10:30, economics; 1:30 pm, book talk; 2-4, 4:55, markets; 5, children's half-hour; 5:30, organ; 5:55, Town Tattler; 6:15, travel talk; 6:30, dinner music. Mon, Wed, Fri, 7-12 mid. Tues, Thurs, 7-11 pm. Sat, 7-2 am. Sun, 10-12:30 pm. church service; 12:45-1:45, 2-4, 6::30-7, 8-9, 9-10:30. Pacific.

KOA, Denver, Colo. 322.4m-930kc. 5,000 watts. General Elec. Co. Daily ex. Sun, 11:45 am, weather, road reports, markets; Daily ex Sat, Sun, produce. Daily ex Sun, 12:15 pm, organ. Tues, Thurs, Fri, 3:15 pm, relaxing exercises, matinee for housewives, culinary hints, fashion review. Daily ex Sat, Sun, 6 pm, stocks, markets, produce, news bulletins; 6:30 pm, dinner concert. Mon, 7:30 pm, Sandman's hour. Tues, farm question box. Wed, Book of Knowledge. Thurs, dinner concert. Fri, Sunday school lesson. Mon, 8 pm, Spanish lesson; 9 pm, vocal lesson. Wed, Fri, 8 pm, orchestra; 8:15 pm, regular program. Wed, 10 pm, dance program. Sat, 9 pm. Sun, 10:30 am, and 7:30 pm, service; 4 pm, music. Mountain.

KOAC, Corvallis, Ore. 280.2m-1070kc. 500 watts. Oregon Agricultural College.

KOB, State College, N. M. 348.6m-860kc. 1,000 watts. N. M. College of Agri. & Mech. Arts. Announcer, Robert Stewart. Slogan, "The Sunshine State of America." Daily 11:55-12:30 pm, time, weather, road reports, news; 9:55-10:10, time; weather, road reports. Mon, Fri, 7:30-8:30 pm. Mountain.

KOCH, Omaha, Nebr. 258.5m-1160kc. 250 watts. Central H. S. Announcer, C. H. Thompson. Mon, Tues, Thurs, 8:30-10 pm. Sat, 12 midnight. Sun, 3:30 pm. Central.

KOCW, Chickasha, Okla. 252m-1190kc. 200 watts. Okla. College for Women. Tues, Thurs, 8 pm, music. Wed, 10 am, chapel. Central.

KOIL, Council Bluffs, Iowa. 277.6m-1080kc. 500 watts. Mona Motor Oil Co. Announcer, Howard Martin. Mon, 6-12 mid. Tues, Thurs, Fri, 6-9 pm; 11-12. Wed. 6-7:15 pm. Sat, 5-9 pm; 11-1 am. Sun, 11-12 noon; 1-2 pm, 7-9, 11-12. Central.

KOWW, Walla Walla, Wash. 256.3m-1170kc. 500 watts. Blue Mt. Radio Association. Slogan, "The Valley They Liked So Well They Named It Twice." Mon, Thurs, Fri, 7-7:30 pm, 8-12. Tues, 5-6 pm. Wed, Thurs, 12-1 pm; 7-7:30, 9-12. Sat, 2-7:30 pm; 8-12. Pacific.

KPO, San Francisco, Calif. 428.3m-700kc. 1,000 watts. Hale Bros., and the Chronicle. Announcer, Clair E. Morrison. Slogan, "The City by the Golden Gate." Daily ex Sun, 7-7:30 am, 8 daily dozen; 10:30 am, amusement service; 12 noon, time, scriptures. Daily ex Sun, Fri, 1-7:30, music, markets. Mon, Tues, Wed, Thurs, Fri, 8-11 pm, entertainment. Tues, Thurs, 10 am, household hour. Tues, Wed, Thurs, 10:35 am, markets. Wed, 3:30 pm, style talk. Fri, 12:45 pm, luncheon; 5:30-7:30 pm. Sat, 8-12 midnight. Sun, 9:45 am, service; 5-6 pm, organ; 6-6:30, orchestra; 6:35-10, music. Pacific.

KPPC, Pasadena, Calif. 228.9m-1310kc. 50 watts. Pasadena Presbyterian church. Announcer, G. Anton Pohlman. Wed, 7:30-9 pm; Sun, 10:30-12:30 pm; 6:45-9. Pacific.

KPRC, Houston, Texas. 296.9m-1010kc. 750 watts. Houston Post-Dispatch. Slogan, "Kotton Port Rail Center." Announcer, Alfred P. Daniel. Daily ex Sun, 10:55 am, time; 11, weather, farm news; 12 noon, entertainment Daily ex Sat, Sun, Fri, 5:30 pm, Uncle Judd's kiddies' hour; 7:30-9:30, concert. Wed, 11-12 midnight. Sat, 10-11 pm. Sun, 10:45 am, 8 pm, services; 9:30-10:30 pm, music. Central.

KPSN, Pasadena, Calif. 315.6m-950kc. 1,000 watts. Pasadena Star-News. Tues, Thurs, 8-9 pm. Sat, 8-9 pm. 9-10. Sun, 11-12:30 am; 6:45-8:45; 8:45-9:45. Pacific.

KQP, Portland, Ore. 212.6m-1410kc. 750 watts. H. B. Read Incorp. Announcer, H. B. Read. Slogan, "Hood River Apples from Portland, Ore." Mon, Thurs, Fri, 8 pm. Tues, 5 pm. Wed, 8:10 pm, 8:30. Sun, 7:51-8 pm, 9. Pacific.

KQV, Pittsburgh, Pa. 275.1m-1090kc. 500 watts. Doubleday-Hill Elec. Co. Daily ex Sat, Sun, 10:30 am, music; 11, 3, music. Eastern.

KQW, San Jose, Calif. 230.6m-1300kc. 500 watts. First Baptist church.

KRE, Berkeley, Calif. 256.3m-1170kc. 150 watts. Daily Gazette. Announcer, D. L. Black. Daily ex Sun, 7:30 am, 11:15, 5:30 pm. Mon, 8-10 pm. Tues, 9-11 pm. Thurs, 8-10 pm, 10-11. Fri, 9-12 midnight. Sat, 8-1 am, dance program. Sun, 10-11 am, church; 6:30-7:30 pm; 8-9. Pacific.

KSAC, Manhattan, Kan. 340.7m-880kc. 500 watts. Kansas State Agricultural College. Announcer, George Gemmell. Daily ex Sat, Sun, 9-10 am, 9:55, 12:35 pm, 4:30, 6:30. Sat, 12:35 pm. Central.

KSD, St. Louis, Mo. 545.1m-550kc. 500 watts. St. Louis Post-Dispatch. Daily ex Sun, 9:40 am, 10:40, 11:40, 12:40 pm, 1:40, 2:40, 3:40. Mon, 7 pm, 7:30, 9, 10. Tues, 7 pm, 8, 9. Wed, 7 pm, 7:30, 8. Fri, 7 pm, 7:30, 8, 9, 10. Sat, 7 pm, 8:30, 9:30. Thurs, 4 pm, 7, 7:30, 8, 9, 9:30. Sun, 6:15 pm, 8:15. Central.

KSL, Salt Lake City, Utah. 299.8m-1000kc. 1,000 watts. Radio Service Corp. of Utah. Announcer, Charles H. Hays. Mon, Wed, Fri, 7-11 pm. Tues, Thurs, Sat, 7:30-11 pm. Sun, 3-10 pm. Mountain.

KSMC, Santa Maria, Calif. 209.7m-1430kc. 100 watts. Santa Maria Valley Railroad Company.

KSO, Clarinda, Iowa. 241.8m-1240kc. 500 watts. A. A. Berry Seed Co. Announcer, Joe Fassen. Slogan, "Keep Serving Others." Daily ex Sat, Sun, 12 n, talks; 12:30-1:15 pm, 7-9. Central.

KTAB, Oakland, Calif. 239.9m-1250kc. 1,000 watts. Tenth Ave. Baptist church. Daily ex Sun, 9-9:30 am, prayer service; 12-1 pm. Daily ex Sat, 8-10 pm. Sun, 10 am, 11; 7:45 pm, 9:30-11. Pacific.

KTBI, Los Angeles, Calif. 293.9m-1020kc. 750 watts. Bible Inst. of Los Angeles. Announcer, M. E. Carrier. Daily ex Sun, 8:30 am, 2 pm, 7:15-9:30. Sun, 10:45 am, 6 pm, 7:15, 9:30.

KTBR, Portland, Ore. 263m-1140kc. 50 watts. Brown's Radio Shop. Pacific.

KTCL, Seattle, Wash. 305.9m-980kc. 1,000 watts. KTCL Broadcasting Co. "Know the Charmed Land." Tues, 7-8 pm, 8-9. Wed, 8-9 pm, 9-10. Fri, 7-8 pm, 9-10, 10:15-12. Sun, 1-2 pm, 9:10-10:10, church service. Pacific.

KTHS, Hot Springs National Park, Ark. 374.8m-800kc. 750 watts. The New Arlington hotel. Announcer, G. C. Arnoux. Slogan, "Kum to Hot Springs." Mon, Wed, Thurs, 12:30-1 pm, markets, weather, music. Fri, 12:30-1:30 pm, Farmers' Radio Chautauqua. Sat, 12:30-1:20 pm, boy's talk, Bible class, music, weather, markets. Daily, 9-11:30 pm, concerts. Sun, 11-12:15 pm, church services; 9-10 pm, classics; 10-11:30 pm, Arkansas Traveler frolic. Central.

KTNT, Muscatine, Iowa. 256m-1170kc. 500 watts. Tangley Calliaphone company. Announcers, Norman Baker-William Randall. Slogan, "The Homefolks' Station." Daily ex Sun, 12-12:30 pm, Calliaphone concert. Daily ex Sat, Sun, 7:30-8 pm, painting lessons. Daily ex Sat, 8:30-10 pm, music. Sun, 9-10 pm, "Homefolks' Hour." Central.

KTW, Seattle, Wash. 454.3m-660kc). 1,000 watts. First Presbyterian church. Announcer, J. G. Priestly. Slogan, "Hear Ye, Hear Ye, the Gospel." Sun, 11-12:30 pm, 3-4:30, 7-9:30, church service. Pacific.

KUOA, Fayetteville, Ark. 299.8m-1000kc. 750 watts. University of Arkansas. Mon, 7:30 pm. Tues, Thurs, 8 pm. Central.

KUOM, Missoula, Mont. 243.8m-1230kc. 500 watts. University of Montana. Daily ex Sun, 6:30 pm. Mon, Thurs, 8 pm. Sun, 9:15 pm. Mountain.

KUSD, Vermillion, S. D. 277.6m-1080kc. 100 watts. University of South Dakota. Announcer, Sidney Lawton. Slogan, "South Dakota University for South Dakotans." Wed, 8-9:30 pm. Central.

KUT, Austin, Texas. 230.6m-1300kc. 500 watts. University of Texas. Announcer, Orlando J. Murphy. Mon, Wed, 8 pm. Sun, 11 am, 3:30 pm. Central.

KVOO, Bristow, Okla. 374.8m-800kc. 500 watts. Slogan, "Voice of Oklahoma."

KWCR, Cedar Rapids, Iowa. 277.6m-1080kc. 500 watts. Announcer, H. F. Paar. Slogan, "The Voice of Cedar Rapids. Mon, Wed, Sat, 4:15-5 pm, 9-10:30. Mon, 10:45 pm. Sun, 11 am, 5:15-5:45, 5:45-6:30. Central.

KWG, Stockton, Calif. 247.8m-1210kc. 50 watts. Portable Wireless Telephone Co. Announcer, Paul C. Schulz. Slogan, "Voice of the San Joaquin Valley." Daily ex Sun, 4-5 pm, news, concert, markets. Tues and Fri, 8-9 pm. concert. Sun, 6-7 pm, concert. Pacific.

KWKC, Kansas City, Mo. 236.1m-1270kc. 100 watts. Wilson Duncan studio. Slogan, "Keep Watching Kansas City." Tues, Wed, Thurs, Fri, 7 pm, 9. Central.

KWKH, Shreveport, La. 260.1m-1150kc. 500 watts. W. G. Patterson, Henderson Iron Works & Supply Co. Announcer, W. G. Patterson. Mon, 8-9:30 pm, music. Tues, Sat, 9-12 midnight. Thurs, 8-9:30 pm. Sat, 9-12, dance. Sun, 9:30-10:30 am, music; 11-12 m, 5-6 pm, 7:30-9. Central.

KWSC, Pullman, Wash. 348.6m-860kc. 500 watts. State College of Washington. Announcer, Phil Hitchcock. Mon, Wed, Fri, 7:30-9 pm, music. Pacific.

KWUC, Le Mars, Iowa. 252m-1190kc. 50 watts. Western Union College. Announcer, D. O. Kime. Slogan, "The Best Fifty Watt Station on the Air." Mon, Wed, Fri, 7:30-9 pm. Sun, 3-4 pm. Central.

KWWG, Brownsville, Texas. 277.6m-1080kc. 500 watts. Brownsville Municipal Broadcasting Station. Slogan, "Kum to the World's Winter Garden." Daily ex Sun, 12 m, 6 pm. Mon, Thurs, 8:30-11:59 pm. Sun, 2:30 pm. Central.

KYW, Chicago, Ill. 535.4m-560kc. 3,500 watts. Westinghouse Elec. & Mfg. Co. Daily ex Sun, 9:30-1:30 pm, half market quotations; 10:55 am, time; 11:15, meat talk; 11:35, table talk; 12 n, weather; 12:05-2 pm, noonday concert; 2:15, market; 2:35-5, 5:45-6, news, markets; 6-7, dinner music; 7:05-7:30, bedtime story. Tues, Thurs, 7:33-7:53 pm, farm program. Daily ex Sun, Mon, 1-2 am. Tues, Thurs, 8-11:30 pm. Wed, 8-12:30 am. Fri, 9-12:30 am. Sat, 8:30-1 am. Sun, 11 am, Central church; 2:30 pm, 4:30, 7, Sunday Evening club; 9:30-11, concert. Daily, 8 am-2 am, every half hour, World Crier. Central.

KZIB, Manila, P. I. 249.9m-1200kc. I. Beck, Inc.

KZKZ, Manila, P. I. 272.6m-1100kc. 500 watts. Radio Corporation of the Philippines.

KZM, Oakland, Calif. 239.9m-1250kc. 100 watts. Western Radio Institute (Hotel Oakland). Announcer, Elbert Cowan. Daily ex Sun, 6:30-7 pm, orchestra. Pacific.

KZRQ, Manila, P. I. 222m-1350kc. 500 watts. Radio Corporation of the Philippines. Slogan, "Radio Manila."

KZUY, Baguio, P. I. 360m-833kc. 500 watts. F. Johnson slser.

NAA, Radio, Va. 434.5m-690kc. 1,000 watts. United States Navy Dept. Daily ex Sun, 10:05-10:20 am, 11:45, time; 3:45-4 pm, 9:45, 10:05-10:20. Tues, 2:45-3 pm. Tues, Thurs, 6:45-7 pm, 7:25-7:40. Fri, 7:25-7:40. Eastern.

WAAD, Cincinnati, Ohio. 258.5m-1160kc. 25 watts. Ohio Mechanics Institute. Sat, 9:45 pm.

WAAF, Chicago, Ill. 277.6m-1080kc. 200 watts. Chicago Daily Drovers Journal. Announcer, Carl Ulrich. Daily ex Sun, 8:45 am, 10:50, 11, 12:50 pm. Daily ex Sun, Sat, 3 pm, 4:30, live stock and weather reports. Central.

WAAW, Omaha, Nebr. 384.4m-780kc. 500 watts. Omaha Grain Exchange. Slogan, "Where Agriculture Accumulates Wealth." Daily ex Sun, 9:30 am, 9:45, 10:15, 10:45, 11:15, 11:45, 12:15 pm, 12:45, 1:15, markets; 8-8:30 pm, marketgrams talk. Central.

WABB, Harrisburg, Pa. 204m-1470kc. Harrisburg Radio Co.

WABC, Asheville, N. C. 254.1m-1180kc. 20 watts. Asheville Battery Co., Inc.

WABI, Bangor, Me. 239.9m-1250kc. 100 watts. First Universalist church.

WABO, Rochester, N. Y. 277.6m-1080kc. 100 watts. Lake Avenue Baptist church. Announcer, Morse Clark. Sun, 10:15-12 noon, 7:15-9 pm. Eastern.

WABQ, Haverford, Pa. 260.7m-1150kc. 100-1000 watts. Haverford College Radio club. Announcer, William S. Halstead. Mon, 7:30-9:15 pm. Fri, 8-9:30 pm. Mon, Fri, 11-12:30 am, organ. Eastern.

WABR, Toledo, Ohio. 263m-1140kc. 50 watts. Scott High School. Daily, 9:15 am, garden talk. Central.

WABW, Wooster, Ohio. 206.8m-1450kc. 50 watts. The College of Wooster, Dept. of Physics. Announcer, Frank C. Isely. Daily ex Sat, Sun, 9:30-10 am. Central.

WABX, Mt. Clemens, Mich. 245.8m-1220kc. 500 watts. Henry B. Joy.

WABY, Philadelphia, Pa. 241.8m-1240kc. 50 watts. John Magaldi, Jr. Slogan, "Quaker City Sleep Dodgers." Club, "The American Broadcasting Club." Sun, 9 pm, music; 10:30, "Sleep Dodgers' Session." Eastern.

WABZ, New Orleans, La. 275.1m-1090kc. 50 watts. The Coliseum Place Baptist church. Announcer, V. W. Bradbury. Slogan, "The Station with a Message." Sun, 11-12:15 pm, 7:30-8:45, church service. Central.

WADC, Akron, Ohio. 258.5m-1160kc. 500 watts. Allen Theater Broadcasting Station. Daily ex Sun, 11-12 noon, 6:30-7:30 pm. Mon, 1-3 am. Tues, Fri, 8-11 pm. Thurs, 9:30-11 pm. Sun, 12:30-1:30 pm, 6:30-7:30. Eastern.

WAFD, Port Huron, Mich. 275.1m-1090kc. 500 watts. Albert B. Parfet Co. Announcer, Stanley G. Smith. Slogan, "Gateway to the Great Lakes." Mon, Wed, 9-11 pm. Sat, 11-1 am. Sun, 10-11:30 am, 7:30 pm. Eastern.

WAGM, Royal Oak, Mich. 225.4m-1330kc. 50 watts. Robert L. Miller. Mon, 8-12:30 am. Wed, Fri, 8-10:30 pm. Central.

PART TWO — GUIDE LINE — .:; ? '

WAHG, Richmond Hill, N. Y. 315.6m-950kc. 500 watts. A. H. Grebe & Co. Slogan, "Wait and Hear Grebe." Daily ex Sun, 12-1:30 pm. Mon, Wed, Fri, 7:30-11:30 pm, 12-2 am. Sat, 12-2 am. Eastern.

WAIT, Taunton, Mass. 228.9m-1310kc. 10 watts. A. H. Waite & Co., Inc.

WAIU, Columbus, Ohio. 293.9m-1020kc. 500 watts. American Insurance Union. Announcer, Roy Snouffer. Daily ex Sun, Sat, 10-11 am. Daily ex Sun, 11:55 am, time; 12-1 pm, news, markets, weather. Mon, 10-11 am, 6-7 pm, 8-9:30, 10:30-11:30. Tues, 6-7 pm, 11-12. Wed, 10-11 am, 6-7 pm. Thurs, 6-7 pm. Fri, 10-11 am, 6-7 pm, 8-9:30, 10:30-12. Sat, 9:15-11 pm. Sun, 3-4 pm. Eastern.

WAMD, Minneapolis, Minn. 243.8m-1230kc. 1,000 watts. Radisson Radio Corporation. Slogan, "The Call of the North." Daily ex Sun, Tues, 12 m, 12:01 pm, 6:55, police alarms; 7. Mon, 1 pm, 5:45, boys' club; 7:20, program; 11. Tues, 12 n, 12:30 pm. Wed, 7:05 pm, talk; 7:10, 11. Thurs, 1 pm, 6:15, dinner concert; 7:01, 7:10. Fri, 1 pm, 7:01, 7:10, 8, 11. Sat, 1 pm, 6:15, 7:05, talk; 7:10, 11:30. Sun, 10:30 am, 2:45 pm, 6:15, 6:45, 9:30. Central.

WAPI, Auburn, Ala. 247.8m-1210kc. 1000 watts. Alabama Polytechnic Institute.

WARC, Medford Hillside, Mass. 260.7m-1150kc. 100 watts. American Radio & Research Co.

WATT, Boston, Mass. 243.8m-1230kc. 100 watts. Edison Elec. Illuminating Co.

WBAA, W. Lafayette, Ind. 272.6m-1100kc. 250 watts Purdue university. Daily ex Sun, 9:50 am, stocks, markets, weather. Mon, Fri, 7:15 pm, special program. Central.

WBAK, Harrisburg, Pa. 275.1m-1090kc. 500 watts. Pennsylvania State Police. Announcer, A. E. Poorman. Daily ex Sun, 10 am, 1 pm, 5:45, police reports, fire protection, markets; 12 midnight, police reports. Mon, Tues, Wed, 7:30 pm, special. Eastern.

WBAL, Baltimore, Md. 245.8m-1220kc. 3000 watts. Consolidated Gas, Elec. Light & Power Co. Mon, Thurs, 6-10 pm. Tues, Fri, 6:30-10 pm. Sun, 6:30-8:30 pm. Eastern.

WBAO, Decatur, Ill. 270.1m-1110kc. 100 watts. James Millikin University. University activities. No definite schedule.

WBAP, Fort Worth, Tex. 475.9m-630kc. 1,500 watts. Fort Worth Star-Telegram. Announcer, "The Hired Hand." Club, "Radio Truth League." Daily ex Sun, 10, 11, 12 m, 1 pm, 2, 3, market reports, weather; 4, "Port of Missing Men." Mon, Tues, Thurs, Fri, Sat, 12:05-12:30 pm, 7:30-8:30, 9:30-11, concert. Mon, Thurs, Fri, 11-12 midnight. Sun, 11 am, church; 4 pm, concert; 9:30-12. Central.

WBAR, Sisiht, Wis. 270.1m-1110kc. 500 watts. Kopp Radio Co. Slogan, "The Station of Northern Wisconsin." Mon, 9-10 pm. Wed, 8-9 pm. Thurs, 7:30-8:30. Sun, 10-11 pm. Central.

WBAX, Wilkes-Barre, Pa. 256.3m-1170kc. 100 watts. John H. Stenger, Jr. Slogan, "In Wyoming Valley, Home of the Anthracite."

WBBL, Richmond, Va. 228.9m-1310kc. 100 watts. Grace Covenant Presbyterian church. Announcer, Herbert C. Taylor. Tues, 8 pm. Sun, 11 am, 7:45 pm. Eastern.

WBBM, Chicago, Ill. 225.4m-1330kc. 1,500 watts. WBBM Broadcasting. Announcer, Floyd Falch. Slogan, "World's Best Broadcast Medium." Daily and Sun, 4-6 pm. Mon, 6-7 pm. Tues, Thurs, Sat, 8-12 midnight. Wed, Fri, Sat, 12-2 am. Sun, 8-10 pm, 12-3 am. Central.

WBBP, Petoskey, Mich. 238m-1260kc. 200 watts. Petoskey High School. Announcer, Carl Bowman. Tues, 9-10:30 pm. Fri, 8-9:30 pm. Sun, 10:30 am, church services; 3 pm, sacred concert. Central.

WBBR, Staten Island, N. Y. City, N. Y. 272.6m-1100kc. 500 watts. International Bible Students' Association. Mon, Thurs, Sat, 8-9 pm, lectures, music. Sun, 10-12 m, 2-4 pm, 9-10:30. Eastern.

WBBS, New Orleans, La. 252m-1190kc. 50 watts. First Baptist church. Slogan, "The Gospel Wave." Sun, 11 am, 7:30 pm, service. Central.

WBBW, Norfolk, Va. 222.1m-1350kc. 50 watts. Ruffner Junior High School. Announcer, Lee M. Klinefelter. Slogan, "The School You'd Like to Go To." Mon, 6:45-7:15 pm. Wed, 10:30-11:15 am. Thurs, 9:30-10:30 pm. Eastern.

WBBY, Charleston, S. C. 267.7m-1120kc. 10 watts. Washington Light Infantry. Announcer, Hugh Easterly. Eastern.

WBBZ, Chicago, Ill. 215.7m-1390kc. 50 watts. C. L. Carrell.

WBCN, Chicago, Ill. 225.4m-1330kc. 500 watts. Southtown Economist. Announcer, J. R. Foster. Slogan, "World's Best Community Newspaper." Daily ex Sun, 5-5:15 pm, police. Daily ex Sun, Mon, 7-8 pm. Mon, Wed, Sat, 3-5 pm. Tues, 10-12 midnight; 12-2:30 am, pirate ship. Wed, Fri, Sat, 10-12 midnight. Thurs, 10-1 am. Sun, 10:30-12:15 pm, church service; 4-6 pm, 7:45-9:15 pm, church service. Central.

WBDC, Grand Rapids, Mich. 256.3m-1170kc. 500 watts. Baxter Laundry and Dry Cleaning Co. Announcer, Richard Smith.

WBES, Takoma Park, Md. 222.1m-1350kc. 100 watts. Bliss Elec. School. Fri, 6-7 pm. Eastern.

WBNY, New York, N. Y. 209.7m-1430kc. Shirley Katz.

WBOQ, Richmond Hill, N. Y. 236.1m-1270kc. 500 watts. A. H. Grebe & Co., Inc.

WBPI, Newark, N. J. 263m-11140kc. 500 watts. Warner Theater. Announcer, H. E. Beaver. Daily ex Sun, 11 am. Daily ex Thurs, Sun, 6-11 pm. Thurs, 6-7:45 pm. Sun, 11 am. Eastern.

WBRC, Birmingham, Ala. 247.8m-1210kc. 50 watts. Bell Radio Corporation. Slogan, "The Biggest Little Station in the World." Mon, Wed, 8 pm. Sat, 9-12 midnight. Central.

WBRE, Wilkes-Barre, Pa. 230.6m-1300kc. 100 watts. Baltimore Radio Exchange. Wed, Fri, Sun, 8:30-11:30 pm. Eastern.

WBT, Charlotte, N. C. 275.1m-1090kc. 250 watts. Charlotte Chamber of Commerce.

WBZ, Springfield, Mass. 333.1m-900kc. 2,000 watts. Westinghouse Elec. & Mfg. Co. Announcer, A. E. Bach. Daily ex Sun, 6-8 pm, music, markets; 8-10:15, music. Sun, 8 pm, organ; 8:30, concert. Eastern.

WCAC, Storrs, Conn. 275.1m-1090kc. 500 watts. Connecticut Agricultural College. Announcer, Daniel E. Noble. Slogan, "From the Nutmeg State." Mon, Wed, Fri, 7:20-8:30 pm. Eastern.

WCAD, Canton, N. Y. 263m-1140kc. 250 watts. St. Lawrence University. Announcer, Ward C. Priest. Slogan, "The Voice of the North Country." Daily, 11 am, weather, reports, talks, time. Thurs, Fri, 7:30-12 midnight, from WGY on 1,560 meters. Wed, 8 pm. Eastern.

WCAE, Pittsburgh, Pa. 461.3m-650kc. 500 watts. Pittsburgh Press, Kaufman and Baer Co. Announcer, Joseph Sartory. Daily ex Sun, 12:30 pm, news; 4:30, reports; 6:30, music; 7:30, Sunshine Girl. Mon, 7:45 pm, police reports; 8:30, 9, 11. Tues, 7:45 pm, 8, 8:30, 9, 10, 11. Wed, 7:45 pm, 8:30, 9. Thurs, 8 pm, 9, 10. Fri, 7:50 pm, 8:30, 10. Sat, 7:45 pm, 8, 8:15, 8:30. Sun, 10:45 am, 4 pm, 6:30, 7:20, 9:15. Eastern.

WCAJ, University Place, Nebr. 254.1m-1180kc. 500 watts. Nebraska Wesleyan University. Announcer, J. C. Jensen. Daily, 4:30 pm, weather, news. Wed, 8 pm. Fri, 7 pm. Central.

WCAL, Northfield, Minn. 336.9m-890kc. 500 watts. Dept. of Physics, St. Olaf College. Announcer, Hector Skifter. Slogan, "The College on the Hill." Daily ex Sun, Thurs, 9:45 am, chapel. Mon, Fri, 8:30 pm. Thurs, 7 pm, music. Fri, 7:30 pm. Sun, 8:30 am, sermon, music; 9:15 pm. Central.

WCAO, Baltimore, Md. 275.1m-1090kc. 100 watts. Albert A. and A. Stanley Brager. Announcer, R. E. Brunner. Slogan, "The People's Store." Mon, Wed, Fri, 6:30-8 pm, dinner music; 8-9:30, 9:30-11. Eastern.

WCAP, Washington, D. C. 468.5m-640kc. 500 watts. Chesapeake & Potomac Tel. Co. Announcer, O. P. Gascoigne. Mon, 7-11:30 pm. Wed, 6-11 pm. Fri, 6-12 pm. Sun, 11 am, 4 pm, 6:20, vespers; 7:20-10:15. Eastern.

WCAR, San Antonio, Tex. 263m-1140kc. 500 watts. Southern Radio Corporation of Texas. Announcer, L. Tatom. Club, "Royal Order of Prevaricators." Mon, Thurs, Sat, 8:30-9:30 pm, concert. Wed, Sat, 11 pm. Central.

WCAT, Rapid City, S. D. 239.9m-1250kc. 50 watts. South Dakota State School of Mines. Announcer, J. O. Kammerman. Daily ex Sun, 9:30 am, 12:30 pm, weather, reports. Thurs, 7:30 pm, concert. Mountain.

WCAU, Philadelphia, Pa. 277.6m-1080kc. 500 watts. Universal Broadcasting Co. Announcer, Stan Lee. Slogan, "Where Cheer Awaits U." Mon, 7:30-12 midnight. Tues, 6:45-12 midnight. Wed, 6:45-1 am. Thurs, 6:30-12 midnight. Fri, 6:45-12:30 am. Sun, 11 am, 5-11 pm, 5-9:30. Eastern.

WCAX, Burlington, Vt. 252m-1190kc. 100 watts. University of Vermont. Slogan, "The Voice of the Green Mountains." Fri, 7-8 pm. Eastern.

WCBA, Allentown, Pa. 254.1m-1180kc. 15 watts. Queen City Radio station. Wed, 8:15-11 pm. Fri, 6:45-7:45 pm, bedtime stories, Bible lessons. Sat, 9:30-11 pm, dance music. Sun, 10 am, 5:30 pm, 7, church service. Eastern.

WCBD, Zion, Ill. 344.6m-870kc. 5,000 watts. Wilbur Glenn Voliva. Announcer, J. H. DePew. Slogan, "Where God Rules, Man Prospers." Tues, Thurs, 8-10:30 pm, concert. Wed, 12:30-1 pm, organ. Thurs, 2:30-3:45 pm, service. Sun, 9-10:45 am, Bible school; 2:30-6 pm, church services; 8-10:30 pm. Central.

WCBE, New Orleans, La. 263m-1140kc. 5 watts. Uhalt Brothers Radio Co. Announcer, Joe Uhalt. Slogan, "Second Port U. S. A." Daily ex Sun, 10:30-11:30 am. Daily, 7:30-8:30 pm, dance. Sun, 12:30-2 pm, dinner concert; 9, dance music. Central.

WCBH, Oxford, Miss. 241.8m-1240kc. 50 watts. University of Mississippi. Announcer, J. T. Wallace. Tues, Thurs, Sat, 9 pm. Central.

WCBM, Baltimore, Md. 228.9m-1310kc. 50 watts. Hotel Chateau. Announcer, Harry J. Dobe. Mon, 10-1 am. Thurs, 10-1 am. Sun, 9:45-11:30 pm. Eastern.

WCBQ, Nashville, Tenn. 241.8m-1240kc. 100 watts. First Baptist church. Announcer, Harry Stone. Sun, 7:30 pm. Central.

WCBR, Providence, R. I. 209.7m-1430kc. 100 watts. Charles H. Messter. (Portable.)

WCCO, Minneapolis-St. Paul, Minn. 416.4m-720kc. 5,000 watts. Washburn-Crosby Co. Announcer, Paul Johnson. Slogan, "Service to the Northwest." Daily ex Sun, 9:30 am, 9:35, news; 9:45, markets, weather; 10:30, 11:30, markets; 1:30 pm, markets; 2:30, concert; 4, readers' club; 5:30, children's hour. Daily ex Sun, Sat, 2 pm, woman's hour. Mon, 12 n, orchestra; 3, reports; 6:15, 7:45, 8, 9, 10. Tues, 3 pm, 7, 9:30, 10, 10:05. Wed, 3 pm, reports; 6, 7, 7:30, 8, 9, 10, 10:05. Thurs, 3 pm, markets; 4:30, 7, 7:30, 8, 10, 10:05, 10:20. Fri, 6:15 pm, 7:45, 8, 9, 9:30, 10: Sat, 6:15 pm, 8, 8:15, 10, 10:05. Sun, 10:50 am, 3 pm, 4:10, 6:20, 8:15, 9:15. Central.

WCLO, Camp Lake, Wis. 230.6m-1300kc. 50 watts. C. E. Whitmore.

WCLS, Joliet, Ill. 214.2m-1400kc. 150 watts. Harold M. Couch. Slogan, "Will County's Largest Store." Tues, 7-9 pm. Wed, Fri, Sat, 9-12 midnight. Thurs, 7-8:30 pm. Sun, 11-12:30 pm. Central.

WCOA, Pensacola, Fla. 222m-1350kc. 250 watts. Municipal Broadcasting Station. Announcer, John E. Frenkel. Slogan, "Wonderful City of Advantages." Mon, Wed, Fri, 7 pm. Central.

WCSH, Portland, Me. 256.3m-1170kc. 500 watts. Congress Square hotel.

WCSO, Springfield, Ohio. 247.8m-1210kc. 100 watts. Wittenberg College. Announcer, Lester Crowl.

WCWS, Providence, R. I. 209.7m-1430kc. 100 watts. Charles William Selen.

WCX, Detroit, Mich. 516.9m-580kc. 5,000 watts. The Detroit Free Press. Club, "Red Apple Club." Daily ex Sun, 4 pm, news, stock reports, weather, markets; 6, dinner concert; 8. Tues, 10-2 pm, club. Fri, 10-11 pm, dance. Sun, 7:15 pm, M. E. church. Eastern.

WDAD, Nashville, Tenn. 225.4m-1330kc. 150 watts. Dad's Auto Accessories, Inc. Announcer, L. N. Smith. Slogan, "The Athens of the South." Daily ex Sun, 3:30-5 pm, 8-10. Sun, 3-5 pm. Central.

WDAE, Tampa, Fla. 272.6m-1100kc. 250 watts. Tampa Daily Times. Announcer, Tod H. Megargle. Slogan, "Away Down South in the Sunshine State." Daily ex Sun, 9-2 am. Tues, Wed, Thurs, 8:30-9 pm. Sun, 7:30-9:30 pm. Eastern.

WDAF, Kansas City, Mo. 365.6m-820kc. 1,000 watts. Kansas City Star. Announcer, H. Dean Fitzer. Club, "Nighthawks." Tues, Thurs, Sat, 3:30-4:30 pm, music. Daily ex Sun, 6-7 pm, markets, weather, music; 11:45, Nighthawks. Mon, Wed, Fri, 8-10 pm. Mon, Wed, Fri, 10:45 am, home service talk. Sun, 3-4 pm, 4-4:45. Central.

WDAG, Amarillo, Tex. 263m-1140kc. 100 watts. J. Laurence Martin. Slogan, "Where Dollars Always Grow." Daily ex Sun, 2:15 pm, 9. Sun, 2:15 pm. Central.

WDAH, El Paso, Tex. 267.7m-1120kc. 50 watts. Trinity Methodist church.

WDAY, Fargo, N. D. 260.7m-1150kc. 50 watts. Radio Equipment Corporation. Announcer, K. M. Hance. Slogan, "The Biggest Little City in the World." Daily ex Sun, 10 am, markets, weather, news; 11, markets; 12:30 pm, music; 1, Radio farm school; 1:10, markets; 2, 5, music; 5:30, news. Daily ex Sat, Sun, 10:15 am, chapel. Daily ex Mon, Sun, 10 pm. Tues, Thurs, Sat, 7:30 pm, musical. Sun, 10:30 am, church services. Sun, 4 pm, music; 7:30 pm, church. Central.

WDBE, Atlanta, Ga. 270.1m-1110kc. 100 watts. Gilham-Schoen Elec. Co. Announcer, A. K. Dearing. Slogan, "We Distribute Better Equipment." Tues, Fri, 7-8 pm. Central.

WDBJ, Roanoke, Va. 228.9m-1310kc. 50 watts. Richardson Wayland Elec. Corp. Announcer, Glen Baylor. Slogan, "Roanoke Down in Old Virginia." Daily ex Sun, 12-1 pm, music; 5:30-6:45, music, news, weather, baseball. Mon, 8-9 pm. Wed, Sat, 9 pm, concert. Sun, 7:45 pm, church. Eastern.

WDBK, Cleveland, Ohio. 227m-1320kc. 100 watts. M. F. Broz Furniture Co. Daily ex Sat, Sun, 8:30-12 midnight. Eastern.

WDBO, Winter Park, Fla. 239.9m-1250kc. 500 watts. Rollins College, Inc. Announcer, Edwin D. McConnell. Slogan, "Way Down by Orlando." Daily ex Sun, Tues, 7:30-7:45 pm, citrus markets; 9-10:30. Tues, 9:30-11 pm. Sun, 11 am, 5 pm. Eastern.

WDBZ, Kingston, N. Y. 232.4m-1290kc. 10 watts. Boy Scouts of America. Announcer, G. Henry Nesslage.

WDOD, Chattanooga, Tenn. 256.3m-1170kc. 500 watts. Chattanooga Radio Co., Inc. Announcer, John T. Carter. Slogan, "Wonderful Dynamo of Dixie." Mon, Wed. Fri, 6:30-8 pm, 8:15. Fri, 11 pm. Alternate Tues, 9-9:30 pm. Sun, 11 am, 4:30 pm, 9:15-10:15. Central.

(The third part of the directory of station schedules will appear next week.)

POWEL CROSLEY JR.

Radio Manufacturer

Linked with the invention of every valued product is the name of some man or group of men. The basic article is invariably a crude affair. Improvements and refinements follow fast. Then comes another pioneer. The production genius who reduces costs to the level of common means.

Often that man's name outlives the inventor's. He, after all, is the benefactor of the people. Several names so associated with the automobile now live in public consciousness, but who can name the inventor of the motor car?

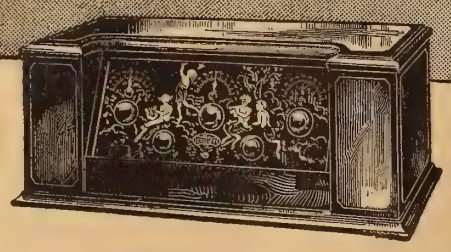
Such a pioneer is Powel Crosley, Jr. . . . liberator of radio from the grip of prohibitive prices. With his genius for reorganization and his talent for applying mass production methods, he has given to the man of modest means joys of radio in common with those of the millionaire. The desired selectivity, sensitivity, tone, volume and volume control, once exclusive to high priced instruments, are now available in Crosley sets at a fraction of the former price.

A trip through the huge Crosley plant is a revelation. Mere machinery takes on superhuman powers, and human powers are multiplied by machines. Operations that once produced only a few units per day, now turn out thousands. Other phases formerly considered so intricate as to demand hand work, are now accomplished by devices that duplicate the dexterity and shame the speed of hands. Multiple drills make many jobs one. Automatic washers heat, treat and wash the parts, that must be chemically clean, in lightning sequence and with positive results.

And in the transformation of hand labor to machine performance the unescapable inaccuracies of human error are supplanted by absolute precision. For example, coils must consist of wires of exact length, wound to a certain tension by a certain number of turns. Variation is inevitable when this is done by hand. But Crosley automatic coil winding assures precise results, uniform tension, micrometer measurement, exactly the same number of turns in every case.

A radio manufacturer who is master of mass production! That is the earned title of Powel Crosley, Jr. And that is the gift that has enabled him to give the public the kind of radio instruments they want at the kind of prices they want to pay.

Four New Radios

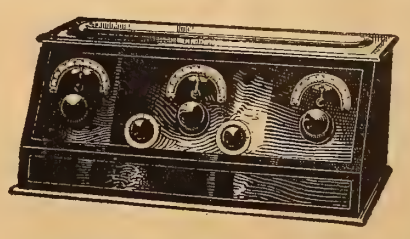


The Crosley 5-Tube RFL-75

Absolutely balanced radio frequency amplification. Non-oscillating under any handling. Exquisite two-tone mahogany cabinet—satin finish. Decorated panel with rose-gold metal fittings. Cabinet holds necessary dry cells. Price without accessories . . . **$75**

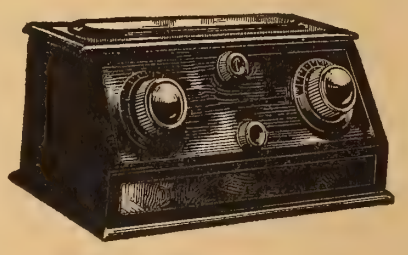
The Crosley 5-Tube RFL-60

Same as RFL-75 but in compact cabinet only 17½ inches long. Truly marvelous selectivity, sensitivity and purity of tone. Art panel—solid mahogany cabinet—rose gold fittings. Price without accessories **$60**



The Crosley 5-Tube 5-38

All the volume, selectivity, sensitivity and fine tone in the best 5 tube set you've heard—plus the CRESCENDON. Two toned mahogany finished cabinet—daintily striped in gold. Price without accessories **$38**



The Crosley 4-Tube 4-29

A beautifully designed set—both to ear and eye. Crescendon equivalent to one or more additional tubes of radio frequency amplification. Two toned mahogany finished cabinet. Price without accessories **$29**

West of the Rockies add 10% to all prices

"If inexperienced in radio, be sure your first set is a Crosley"

It takes neither practice nor mechanical skill to tune in stations all over the country. Children and old people operate Crosley radios easily. They are fool proof.

They are inexpensive. They don't tie up a lot of money.

They have proven their efficiency over a period of years. Thousands of letters report remarkable demonstrations. Hundreds of thousands of sets sold substantiate all claims to excellence.

They are made by a reliable, well known and financially strong concern, that guarantees them . . . absolutely.

The easy operation, tone and volume of these four new Crosley sets delight, not only the expectant beginner; they arouse the most confirmed radio lover to realization that Powel Crosley, Jr., has again made a revolutionary improvement in radio.

And the RFL sets possess *true* cascade amplification. For Crosley has utilized an entirely new patented circuit which achieves cumulative amplification, actually approaching the theoretical maximum efficiency per tube.

The Crescendon

In the 4-29 and the 5-38, the introduction of the Crescendon enables these two highly efficient radios to give almost unbelievable results and has lifted them away and beyond all competition.

The Crescendon is an exclusive Crosley device for increasing the weak signals of distant stations to full volume tones without distortion. Yet with these sets, loud nearby stations can always be softened practically to whispers.

Their striking beauty will please your eye, and your ear will introduce to you new qualities in radio, which you are sure to pronounce a revelation.

See the new Crosley sets at your dealers or write Dept. 49 for literature.

Crosley manufactures radio receiving sets which are licensed under Armstrong U. S. Patent No. 1,113,149, or under patent applications of Radio Frequency Laboratories, Inc.

THE CROSLEY RADIO CORPORATION
Powel Crosley, Jr., President
CINCINNATI, OHIO

Owning and Operating WLW, first remote control super-power broadcasting station in America

CROSLEY·RADIO

BETTER—COSTS LESS • • FOR THE ENTERTAINMENT CORNER

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For a Thrill "A Step On the Stairs"

Radio Digest

EVERY WEEK

...PROGRAMS ...d

TEN CENTS

Vol. XVI No. 13 Copy Radio Di... Title Reg. U. S. Pat. Off. & ...m. of Canada APRIL 3, 1926

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Yo-Ho-Ho the WJAZ Pirates Burst into Song; Able Firemen Turn on the WHAD Mike; How to Assemble Jefferson-Raytheon B Power Unit; Women's Page; Radio Club Notes

No. 2 OFFICIAL BALLOT

Announcers' Contest

RADIO DIGEST THIRD ANNUAL GOLD CUP AWARD

GOLD CUP AWARD Editor, Radio Digest,
510 North Dearborn Street, Chicago, Ill.

Please credit this ballot to:

.....of Station.....
(Announcer's Name) (Call Letters)

Signed.....

Address.....

City..... State.....

4-3-26

NOMINATION CERTIFICATF

Announcers' Contest

Radio Digest Third Annual GOLD CUP AWARD

GOLD CUP AWARD Editor, Radio Digest,
510 North Dearborn Street, Chicago, Ill.

Dear Sir:

I nominate.....

Station.....
(Broadcasting Station)

Signed.....

Address.....

Town..... State.....

NEWS BRIEFS FROM THE BROADCASTERS

KGW, PORTLAND, IS NOW 1,000-WATT STATION

Microphone Technique Being Taught in New York—A. A. U. Finals to Be Sent from KOAC

KGW, the Portland Oregonian, expects to have its new 1,000-watt transmitter in operation as these lines are read. Eastern listeners will have a new star at which to shoot.

* *

A school for the study of the technique of performing before the microphone has been opened in New York city at Steinway hall. T. H. Fellows and B. F. Gerald are the founders.

* *

Final matches in the National Amateur Athletic Union championships, to be held at Corvallis, Oregon, April 15 to 17, will be broadcast by the Oregon Aggie station, KOAC, on Friday, April 16, from 8:15 to 11 p. m. Pacific time.

* *

Thousands of sleepless listeners are recommending the Friday midnight programs broadcast by Crosley WLW, Cincinnati. It is then that the "Night Howls" take the air from the Crosley Sky Terriers. Well-known WLW artists perform under nom de plumes.

* *

A canary obbligato heard by WJZ's sharp-eared listeners has been traced to several canaries in cages in the lobby of the Hotel Commodore, New York, where music is picked up from Bernhard Levitow's ensemble. Unknown to WJZ, the songs of the little birds were given audience.

* *

Helene Sullivan, Metro-Goldwyn-Mayer star, is one movie actress who does a regular Radio act. She is heard over KNX, Hollywood, each Sunday afternoon from 4:30 to 5 p. m. Pacific time with her cinema chit-chat.

* *

KOIL, Council Bluffs, Iowa, with the placement of a permanent studio in the Hotel Fontenelle, Omaha, has added the name of Omaha to its location announcement.

* *

Nine hours and thirty-four minutes is the daily average time spent by KPO, Hale Brothers, San Francisco, on the air. About six of the hours are devoted to studio features, while the remaining time is used on remote control pickups.

* *

Mary T. Norton, United States representative from New Jersey, was an honored speaker last week on the congressional forum program broadcast from WRC and WJZ.

* *

WDAF, the home of the famous Kansas City Nighthawks, boasts three studios and one special broadcasting room located at advantageous points in Kansas City. Thirteen remote control pickups are also feeders for a well diversified program.

* *

"The Border Line," a four-act historical drama dealing with the first fifty years of the northwest territory, was broadcast last week by WGY, General Electric station at Schenectady. The prologue and epilogue were by Emma S. Backus.

* *

A cosmopolitan program presenting the themes of all races of the world being taught at the University of Nebraska, was recently broadcast over KFAB, Lincoln, Nebr., by courtesy of the Knife and Fork club and the Nebraska Writers' guild.

* *

John Wilbourn, one of Baltimore's leading tenors and popular as a singer of old English ballads and light operatic selections, has joined the staff of WBAL, as assistant studio manager. Mr. Wilbourn will be one of the regular features on WBAL's musical programs during the dinner hour, 6:45 to 7:45 p. m. eastern time, every Tuesday evening.

QUEEN OF PIANO AND ORGAN IS COVER GIRL

YOU are presented to Miss Eva Sharrard, the dainty, curley-haired Miss on the Radio Digest cover this week. Miss Sharrard is at present favoring Station WAFD, Port Huron, Mich., with her artistry, but she is well known in other cities where her delicate touch on the piano and pipe organ keys has identified her without special announcements to thousands of Radio fans. Her career began in El Paso, Texas.

Old-Fashioned Grannies Win Contest Over Flapper Kind

CINCINNATI.—The modern type of grandmother lost to the old-fashioned kind in the contest conducted by the Crosley Radio broadcasting station, WLW, Cincinnati. Votes were received from all parts of the country, the voters indicating their choice through a postal card. A total of 5,058 postal cards were received up to the time the contest closed. Each of the grandmothers received a number and their identity was kept secret, although a description of the ladies was given over the air.

Mrs. Margaret Poehner, seventy years old, and grandmother of seventeen children, 1919 Kentucky avenue, Cincinnati, won the first prize. Her voting number was 7.

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Radio Digest, Illustrated, Volume XVI, Number 13, published Chicago, Illinois, April 3, 1926. Published weekly by Radio Digest Publishing Co. (Incorporated), 510 N. Dearborn Street, Chicago, Illinois. Subscription rates yearly, Five Dollars; Foreign Postage One Dollar additional; single copies Ten Cents. Entered as second class matter at the post office at Chicago, Illinois, under the Act of March 3, 1879. Title Reg. U. S. Patent Office and Dominion of Canada. Copyright 1926 by Radio Digest Publishing Co. All rights reserved.

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Looking Ahead

When Land Values Began to Swell at Such a Rapid Pace that some speculators made fortunes almost over night it occurred to Dave P. Davis to make more land by filling in a shallow part of Tampa Bay. He built Davis Islands and thereon erected Station WDAE, associated with the Tampa Daily Times. Read about it in next issue of Radio Digest.

Ever See the Bees Gathering Honey from a Sunflower? There's a girl down in Fort Worth, Texas, with a voice that fairly drips with honey. They say she ranks about first in the country for the number of fan letters received. She is only known by the name of "Sunflower Girl." Read this romance in one of the forthcoming issues of Radio Digest.

Next Week's Installment of "A Step On the Stairs" will present disclosures concerning the great Radio mystery that will astound you. There will be some new revelations and a rapid crash of events that will leave you breahtless with surprise. Who killed Jeremiah Turner? Read it next issue and begin to figure on that prize money.

The Super-Torrodyne, a Super-Heterodyne Improvement, as built by J. E. Owen of the University of Oklahoma, will be described beginning next issue. Mr. Owen will give the circuit he used and name the necessary parts.

Don't Bloop! Learn How to Test for Noises by means of the apparatus to be described in the next article of this series now appearing in Radio Digest.

Newsstands Don't Always Have One Left

WHEN YOU WANT

Radio Digest

YOU WANT IT!

BE SURE OF YOUR WEEKLY COPY BY SUBSCRIBING NOW

SEND IN THE BLANK TODAY

Publisher Radio Digest,
510 N. Dearborn St.,
Chicago, Illinois.

Please find enclosed check M. O. for Five Dollars (Six, Foreign) for One Year's Subscription to Radio Digest, Illustrated.

Name .....

Address .....

City..... State.....

GOLD CUP CONTEST STARTS WITH BANG

16 POPULAR ANNOUNCERS PUT IN RACE ALREADY

Listeners Rush to Enter Nominations—Race Has Indications of Keen Competition—Save Ballots

In but a few hours after the last issue of Radio Digest had been placed on the newsstands, an enthusiastic admirer had nominated "Bill" William G. Hay, WLIB and WGN, and put him in the race early for the 1926 Radio Digest Gold Cup Award.

Other listeners, wishing to place their favorites in the list of candidates for the selection of the world's best for this year, hurriedly nominated fifteen other microphone personalities in the brief time between the appearance of the last issue and the time this issue went to press.

The competition this year for the solid fourteen-carat gold cup and the two additional silver loving cups has indications of an enthusiastic interest.

If your favorite announcer's name is not in the list below of those nominated, fill in the nomination blank at the right top of this page and get him into the running. Then SAVE your ballots for him. Don't miss a SINGLE ballot, for when these are turned in to Radio Digest in a group of CONSECUTIVE numbers, a pleasing and worthwhile bonus of extra votes is allowed the announcer for whom you are voting.

How Bonus Votes Are Given

The ballots, which appear weekly beginning last issue at the left top of page 2, are numbered consecutively. They will appear every issue until the close of the contest with the August 28 issue. Each of these ballots will count for one vote when sent in separately.

But when held until you have four consecutively numbered ballots, and sent in at one time to Radio Digest, a bonus of eight votes, or a total of twelve votes, will be allowed the candidate for whom you are voting.

The larger the number of consecutive ballots submitted, the greater is the bonus allowed. Eight consecutive ballots receive a bonus of twenty votes, or a total of twenty-eight votes. Twelve consecutive ballots receive a bonus of thirty votes, or a total of forty-two votes. And for a complete series of ballots, including one from each issue from March 27 to and including the last, which will appear in the August 28 issue, a bonus of fifty votes will be allowed.

Send in nominations or ballots to the GOLD CUP AWARD EDITOR, Radio Digest, 510 North Dearborn street, Chicago.

Sixteen Announcers Nominated

The sixteen announcers who already have been nominated are:

William G. Hay, WGN and WLIB.
Phillips Carlin, WEAF.
The Hired Hand, WBAP.
Harold Isbell, KYW.
Gayle V. Grubb, KFAB.
Robert W. Griffin, WHO.
Pat Barnes, WHT.
Henry Field, KFNF.
E. L. Tyson, WWJ.
Paul Johnson, WCCO.
Lambdin Kay, WSB.
George D. Hay, WSM.
Graham McNamee, WEAF.
Leo Fitzpatrick, WJR.
John Daggett, KHJ.
Richard V. Haller, KGW.

Cup for Canadian

It is interesting to note that the list includes the winners of the 1924 and 1925 gold cups, in addition to men who no doubt prove the strongest contenders for the 1926 Gold Cup Award.

For the benefit of those readers who did not read the details last issue, it is repeated that this year two large silver loving cups have been added to the list of prizes. One will go to the second highest announcer, while the other will be awarded to the highest Canadian announcer at the close of the competition.

In case of a tie, duplicate cups will be awarded the winners.

HINT PLANETS MAY HEAR WORLD

WHITE BILL PASSES HOUSE BY BIG VOTE

RADIO LEGISLATION NOW DEPENDS ON SENATE

Senator Watson Appears to Hold Answer Which Rests on Which Course He Advocates

WASHINGTON, D. C.—After a heavy two days' buffeting, the White Radio bill recently rode a stormy passage through the house which sat as a committee of the whole, placing Radio broadcasting under the control of the secretary of commerce and a proposed federal Radio commission. The bill was passed by a vote of 218 to 124, over a bitter attack led by Representative Davis of Tennessee and other democratic members.

The accepted bill was very much along the lines of a third bill introduced at the present session by Mr. White, although a few minor amendments were adopted, one of which would prevent the secretary of commerce from remitting fines for infractions of the regulations.

The bill would create five zones throughout the country, from which five members, one from each zone, would be appointed to form a federal Radio commission.

Depends on Watson

But at the time this issue goes to press, the listeners in have no assurance that Radio will be legislated. The bill is now in the senate, along with the Dill Radio bill, the main provisions of which are similar. And Radio legislation depending upon the senate, leaves the matter resting in the hands of Senator Watson of Indiana; at least that is the consensus of opinion of the members of the senate.

It is admitted that there is a general appreciation of the importance of Radio legislation in the senate, but there is also a lack of interest and knowledge as to the requirements. His colleagues are depending upon Senator Watson to do what is best.

How and Where?

If Senator Watson sponsors a Radio bill, it is expected there will be a new Radio law enacted at this session of congress, and unless he does get behind and push for the enactment of one, the chances for Radio legislation are very slim. Senator Watson is enthusiastic for government control of the situation, but the question of how and from where it is to be controlled will be the bone of contention.

In the wrangling and milling over whether the secretary of commerce, the department of commerce, the interstate commerce commission, a federal Radio commission or some combination of those groups should exercise power over Radio, the paramount issue of whether or not we should have Radio legislation may be ground underfoot.

Congressman Free Tells How To Make Good Cheap DX Set

WASHINGTON.—If you are not entirely satisfied with your set, it may be a good idea to communicate with Congressman Arthur M. Free, at the House office building, at Washington, D. C., and find out how his son built his. Mr. Free is from California. During the debate on the White Radio bill, he said:

"Any boy can take, as my boy did, a bolt, a little wire, and a crystal which costs a few cents, and make a Radio set and he can listen in on any program anywhere in the United States. If he wants a little better set, he can take a little bit more wire, a few more nuts and bolts and get a tube, and he can make a tube set, paying $2.50 for the tube."

To Hold Hearings April 5

WASHINGTON, D. C.—The Radio copyright bill, sponsored by the broadcasters of the country, has been introduced in the house, by Representative Vestal of Indiana, chairman of the committee on patents to which the bill has been referred. The bill is identical with the Dill bill in the senate.

Joint congressional hearings on the Radio copyright bills now pending in both houses will begin April 5.

A second Radio copyright bill has been introduced in the house by Representative Vestal of Indiana. It is understood that this bill has been endorsed by the American Society of Composers, Authors and Publishers. No date has been set for hearings for this bill but it also has been referred to the house committee on patents of which Mr. Vestal is chairman.

NOW IS TIME TO TRY FOR ANTIPODE ISLES

WANT to hear Australia, New Zealand and Japan? Long distance fans will be gratified to know that just now is the best time of the year to try. Donald Wright, of Terminal Island, Terminal, Calif., reports that he is now regularly hearing 3LO, 2BL, JOAK and JOBK. The latter two are Japanese. The former two are Australian and New Zealand broadcasters. Mr. Wright finds that these stations are best heard between 2:30 and 5 a. m. Pacific time. (This is equivalent to 3:30 and 6 a. m. Central or 4:30 and 7 a. m. Eastern time.) Try for them some morning.

PRISONER ASKS FOR SONG HEARD IN JAIL

CHICAGO.—How the wonderful magic of Radio penetrates even prison walls and sends sunshine into the darkest corners of the world was revealed in a letter received at Station WLIB from prisoner No. 25372 at the Missouri State Penitentiary at Jefferson City, regarding the popular song, "The Lonesomest Girl in Town."

He is an ex-jockey, who in his hey days had squandered the world's goods on the kind of a girl described in the song. He wrote that he was washing other prisoners' clothes to support a one tube set.

SHE'S ONE SOPRANO YOU'LL LIKE

Ruth Heubach is a charming soprano who knows well how to use the microphone and you'll hear her on the WSAI community concert on Monday, April 5.

Station KTHS Offers Big Easter Broadcast

Three-Hour Program to Be Handled by Remote Control

HOT SPRINGS, Ark.—Simultaneously with the first long ray of sunlight as the Easter Sabbath sun climbs over the rim of the world, the carrier wave of Station KTHS, the New Arlington hotel at Hot Springs National Park, Arkansas, will start an elaborate and unique Radio program—with more than 2,000 artists taking part, and a visible audience of more than 10,000.

The program will begin at 5:32 a. m. Central time, taken from Kavanaugh field, Little Rock, by remote control over 55 miles of land wire. The broadcast will be opened by Rev. Harry Knowles and followed by music by the forty-piece Missouri Pacific band and many artists.

ASK FANS' AID IN SHORT WAVE TRY

April 3 Marks Beginning of Month's Test of Five Low Lengths

SCHENECTADY, N. Y.—All listeners who have short wave receivers and who are interested in the progress of broadcasting are asked to cooperate with the General Electric company engineers, who are conducting a series of tests in wave propagation of 32.79 and 65.5 meters. Beginning April 3, special telegraph tests will also be made on 15, 26.4 and 50.2 meters, by 2XAW, 2XAD and 2XAC respectively.

All listeners who can cooperate during these are asked to send their names to the Radio department of the General Electric company so that special report forms may be supplied them.

SHORT WAVE OBSERVATION BASIS OF IDEA

Science Revamps Theory

Dr. E. O. Hurlbut Suggests Possibility of Communicating with Universe by Radio Impulse

PHILADELPHIA.—Strange as it may seem, you may tune in and hear the celestial harmonies that whisper between you and the spheres—you may hear programs for Saturn, Mars and Mercury, to say nothing of the other planets, as they go whirling through space.

Dr. E. O. Hurlbut of the naval research laboratory at Washington, D. C., who recently addressed the Franklin institute, a nationally famous organization in Philadelphia, admitted that there is a possibility of interplanetary communication by Radio. In brief, Dr. Hurlbut said that if interplanetary communication is at all possible, it will be achieved through Radio wave lengths of less than ten meters.

Waves Go Somewhere, But Where?

In the course of his lecture on "The Kennelly-Heaviside Layer and Radio Wave Propagation," he explained that all other waves except those under ten meters collide with the atmospheric layer at an altitude of about 100 miles, and rebound to earth. But those below ten meters are more roving. He inferred that after leaving the earth they just disappear, and at the present time no scientist has been able to determine just where they land.

That they leave the earth is a fact; it is also a fact that they do not come back. Then the question remains: where do they go? Upon the answer hangs the possibility of this generation or of any other finishing the nocturnal repast and then flipping the dials to discover just what April strawberries are selling for on the Saturn produce exchange.

How Short Waves Reach Out

Dr. Hurlbut spoke in a truly scientific light and said:

"A quantitative theory, giving a clear picture of the manner of the passage of Radio waves over the surface of the earth has resulted from the recognition and measurement of the skip distance for Radio waves below forty meters in length. The electrons of the upper atmosphere, known as the Kennelly-Heaviside layer, activated by the earth's magnetic field, play a crucial role.

"The shorter waves are propagated longer distances by refraction in the layer and reflection at the ground. They reach heights of about 100 miles. At this altitude there are ten to the fifth power electrons per cubic centimeter, that is, about ten billion electrons. The theory explains many complex phenomena of fading, directional variation, and reception with vertical and horizontal Hertz antennae."

The layer of which Dr. Hurlbut spoke was named after Dr. Kennelly, professor of electric engineering in the Massachusetts Institute of Technology, and the late Dr. Oliver Heaviside, of England.

Station Changes

Two new stations have been licensed this week, WLB, the University of Minnesota station at Minneapolis, Minn., 500 watts, 277.6 meters, and WJBR, Omro, Wis., 50 watts, 227.1 meters. The following stations have been relicensed: KFUM, Colorado Springs, Colo., 100 watts, 239 meters; KWUC, Le Mars, Iowa, 50 watts, 252 meters; WPDQ, Buffalo, N. Y., 50 watts, 205.4 meters; WRAK, Escanaba, Mich., 100 watts, 256.3 meters.

Four stations have officially changed call letters. KFMQ, Fayetteville, Ark., is now KUOA; Santa Maria, Calif., KSMR; WHAT, Minneapolis, Minn., WGWY; and WKBK, New York, N. Y., WBNY.

WTAQ has moved from Osseo, Wisconsin, to Eau Claire.

Power changes include 1,000 watts for KFNF, Shenandoah, Iowa; 2,000 watts for WEBH, Chicago, and 3,500 watts for WLWL, New York.

Firemen Turn On the Mikes

MILWAUKEE Smoke Eaters Back Again On WHAD After Mourning Radio Leader Killed Answering Alarm. Swiss Cheese Makers Yodle a Hit. Turnverein Assists.

THERE'S a wee sprig and a bit of purple and black over the double doors of Engine House No. 3 on the Milwaukee South Side. It is a house of mourning.

Not so long ago the shining of the engine brass and the general slicking up was made lively by a ragtime jazz piano accompaniment under the nimble fingers of Merritt Ramus. The piano is in the music room which formerly had been the stables where noble horses champed and stomped as the alarms came tingling over the wires. At first the men missed the horses but Tom Saskowski got out his banjo and August Boehm his harmonica. They were so good they played at a benefit show and then they were invited to broadcast over WHAD, the Marquette University-Milwaukee Journal Radio station.

This encouraged others in the department with musical tendencies and Engine House No 3 became a regular musical center. The stall partitions were knocked out and the music room came into being. But there came a day when the lid of the old piano was closed down. Tom and August put away their instruments.

You see, in the first place they were all firemen. Captain Ernest Glander never failed to remind the men of that, although it was he who started the Radio diversion. There was an alarm. Clang! Clang! The apparatus tore out the door. Zip and they reached a railroad crossing—a passing train—the hurtling motor of Captain Glander—a crash and in a moment the veteran fire fighter had passed to his reward.

In the group below may be seen the old ensemble as they used to appear before the microphone and in the chair with his accordion is Captain Glander. The captain was especially appointed by Chief Steinkellner, as the chief said, "to keep the boys from blowing the roof off."

But as these lines are written the boys are planning to go on the air again in a few days. They are going to continue the good work to which the captain gave the impetus. They feel he would be pleased over in the Beyond to know that his comrades are carrying on the job to make people happier. And the listeners over WHAD, the Marquette University-Milwaukee Journal station will be glad to welcome back a feature of the programs they have sadly missed.

There's a corking good quartet and whoever thinks a smoke eater can't sing will learn something to his advantage by listening over WHAD when Tom Murphy, Joe Ross, Adolph Ketelholm and Tom Dugan are announced. Boy, they have volume and distance and harmony and they're there like a four-eleven in a lumber yard or business district.

Milwaukee has given a hint to broadcasting stations in other cities. Why not utilize the talent that sits in the stations day after day between fires? The boys like the fun of producing the music and the fans like to hear them.

Of course WHAD does not depend on the firemen for all of its talent. It seems that Milwaukee is simply overflowing with good music and good cheer. It is one of the traditions of the town. In the West Side Turner hall the old Turnverein has carried on its regular Sunday afternoon concerts for the past seventy-two years. These concerts are now broadcast by WHAD. One of the most popular Turnverein soloists is Helen Schnapp, a soprano with unusual microphone ability.

The four o'clock programs have become especially popular, not only in the city, but in the rural communities and the surrounding towns. Wisconsin is famous for its cheese and there are sections where its manufacture is the sole industry. From Monroe, where the annual cheese fair is held, comes a yodeling quartet which is one of the features of this four o'clock program. All four members of the quartet are natives of Switzerland. During the international tests they sang in the tongue of their fatherland. Miss Jean Gora, dramatic soprano, and Everett Williamson, baritone from Racine, are two of the popular soloists. Miss Bertha Schaller is one of the violin soloists.

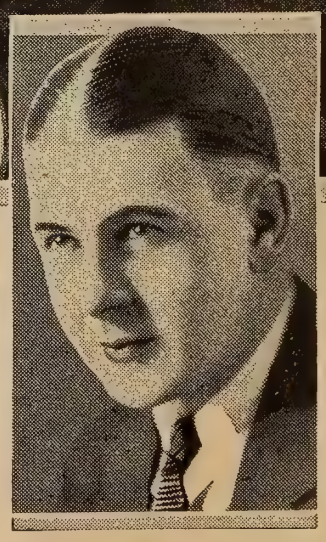
Home parlor dances for small parties are very popular in the vicinity of Milwaukee, and this is made possible in many homes by the Stroebel dance orchestra heard through the Radio receivers from WHAD of the Marquette University-Milwaukee Journal. This orchestra is up to the minute with the latest dances and also furnishes more formal numbers for the more sedate dancers. It draws the line on the remote Ford toddling. From the Marquette University studio may be heard the concerts of the Adelphi orchestra.

A great deal of comment has been made concerning the remarkable clarity of music as it has been picked up by remote (*Continued on page 8*)

When Milwaukee and her neighbors dance at home they tune in the very excellent Stroebel dance orchestra (below) which is versatile, presenting not only the latest jazz but the more classic steps preferred by the sedate.

On Sunday afternoons comes the voice of Miss Helen Schnapp (left) over WHAD from the Turnverein while on Mondays at 4 may be heard Miss Jean Gora (below).

At left is the company of syncopating firemen preparing for a run to the WHAD studio. The late Captain Glander is seated with accordion. Everett Williamson (right) baritone.



"Yo-ho-ho!" Sing Pirates Bold

PIONEER BROADCASTER, WJAZ, Defies "Autocrats of the Air," Makes Minion Walk Plank and Lays Down Brass Band Broadside on Canadian Wave.

Baritone broadside from the pirate broadcaster, WJAZ, by Hivoltz Smith.

FOREWORD: Lieutenant Commander Eugene F. McDonald, commissioned by the United States Navy, sea rover and adventurer into the far north, where he rendered valuable service in the cause of science, has been declared an air pirate by the forces of the government. Returning on his good ship Peary, which had carried him to within eleven degrees of the pole, he received scant courtesy from those who are in power in Washington. He launched his new broadcaster from the Chicago quays, and although she took the air under that pioneer pennant, WJAZ, she was allotted but two hours out of a week's schedule. Chafed by these restrictions, the Commander snapped his fingers at the Department of Commerce and appropriated a Canadian wave which he deemed would cause little grief to any outside the department at Washington. He was then charged with piracy of the air, threatened with a felon's cell and the confiscation of his station. And so our story begins.

HIGH in his conning tower the thirteenth district inspector crouched over his wave meter tester and scowled. And the longer he looked the more he scowled until finally the black cloud on his brow burst into a storm of fury.

"They're off again!" he snapped, sharply and vividly like chain lightning.

"Who?" inquired an assistant with glazed hair and slightly worn patent leather shoes, who stood at a respectful distance and toyed a pencil between his pearly teeth.

"Never mind, 'tend to your work. I knew it, expected it, they're pirates, air pirates. I told you to get Francis. Why haven't you gone? Must I stand here yelling at you all day to get you to do anything? Go! Go! Great jumping Jehosophat, when in the name of Christopher Calliope Columbus—" The inspector was bending over the meter tester.

"Aye, aye, sir!" A fluffy-haired blond, note book in hand, jaws oscillating, stood at attention.

"Very well, Francis. Sit down—and give your chin a rest."

The fluffy-haired blond drew up a chair and paused, before sitting, to deposit his quid of Jolly Tar in the tall brass goboon at the end of the table.

"Aye, aye, sir," he said, solemnly wiping the corners of his mouth with a sepia-tinted hankerchief. "What is it, sir?"

"Told you they're off! They're off! How many times—"

"Yes sir. Yes sir, I was just lookin' at the tape myself. It's only the first race. I gotta bet on Jazzbaby for place in the fifth. I know a bookie—"

"Don't Jazzbaby me! To blazes with the races! I'm talking about these almighty pirates—"

"Beg pardon, sir. With the start they're gettin' the pennant oughta be a—"

"I said WJAZ! WJAZ! They're off their wave. They've pirated a foreign wave and the chief has forbidden. Take a letter; no, a telegram. You chew too much, Francis. Try stogies but don't swallow them. Are you writing that? For Pete's sake, amen!"

"Aye, aye, sir!" Then Francis took the telegram addressed to the chief.

In his high paneled office the chief, in Washington, was dictating orders to six stenographers. Three boys stood in a line to carry messages. The chief opened the telegram from the inspector. In one bounce he hit the ceiling. Coming down to port on the edge of his chair he began to sway and his mouth flew open.

"Who am I? What am I? Why do I sit here? I regulate the air and it is not regulated. Who cares what I say? Am I to be laughed at? What?"

"Aye, aye, sir," The first boy, not being quite certain what he should say, followed the usual formula.

"What? Even you!" The chief might have been Julius Caesar speaking to Brutus as the latter wiped his bloodly blade on his sleeve. "But I shall see who's who and what's what and who is running this air. I'll have that pirate thrown in irons!"

* * *

There were sounds of merriment aboard the WJAZ as Captain McDonald paced trophy bedecked cabin. Hivoltz Smith, craftiest buccaneering baritone on the seven ether seas,

(*Continued on page 8*)

Pilot house (right) of the WJAZ, where the buccaneering crew made ready to swoop down on their unsuspecting prey. And here they are (below) ready for the dirty work. From the left, George Hivoltz Smith, mate; R. Cutthroat Herrick, engineer; Sharktooth Matthews, announcer; Dagger Price, studio operator, and Skullenbones Selleck, station operator. All set for action.

VARIETY OF DISHES MADE OF MACARONI

SPAGHETTI CAN ALSO BE PREPARED MANY WAYS

Miss Betty Crocker Gives Recipes and Supper Suggestions for These Very Tasty Foods

Have you heard, and do you regularly listen for Betty Crocker's Radio talks? Miss Crocker is nationally known as a home food specialist who is broadcasting from a dozen of the country's largest stations. By special arrangement Radio Digest has secured a series of exclusive articles by Miss Crocker dealing with her current Radio talks. These broadcasts are made through WEEI, WEAF, WCAE, WGR, WEAR, WWJ, WDAF, WJAR, WHT, WFI, KSD, KFI, and WCCO, the Gold Medal station at Minneapolis-St. Paul. All of Miss Crocker's recipes and discussions are based upon actual investigations and work of herself and her assistants in model kitchens.—Editor's Note.

By Betty Crocker

IT IS because so many of my Radio audience seem to be unfamiliar with really good macaroni and spaghetti dishes that I like to talk about them often. There is so much to say about these foods and we have so many delicious Gold Medal recipes for them that I simply can't resist giving you a macaroni and a spaghetti dish for our lesson today.

Many women tell me that they tire of macaroni and cheese but that they do not know any other way to prepare macaroni. I am going to tell you some of the many ways in which we prepare macaroni and spaghetti in the Gold Medal flour kitchen. Sometimes we serve it plain with bread crumbs which have been fried in butter, just as noodles are often served. Again, we add hot cream or hot white sauce. Good macaroni properly cooked does not need an elaborate sauce.

We prepare several varieties of macaroni and cheese dishes. Plain macaroni may be served with finely grated cheese sprinkled over the top, or with cheese added to the white sauce and poured over the macaroni. For a baked dish, we often combine layers of macaroni and of cheese with or without white sauce, cover with buttered crumbs and bake. Instead of white sauce, we sometimes pour tomato sauce and cheese over the macaroni. Meat is used with macaroni in any number of ways. An escalloped dish of left over meat may be prepared by using layers of cooked macaroni or spaghetti with the layers of meat and gravy, instead of the creamed mixture. Macaroni combined with chopped celery or ham makes an excellent filling for stuffed peppers. Many women who are fond of chop suey use macaroni in that dish.

Macaroni Salad

Another unusual dish is macaroni salad. That may not sound good to you, but I assure you it is delicious. Combined with salmon and seasonings it makes a very pretty salad. Other delicious combinations you could use are apple, or green pepper, chopped cooked eggs, or fresh tomatoes with a little chopped celery and sweet pickle. Personally, I do not care for cooked dressing on macaroni or spaghetti salad. I prefer either French dressing or mayonnaise, but that of course is a matter of taste.

The macaroni and salmon loaf makes a good one-meal dish that is especially nice for a luncheon or supper dish. It is cheaper than meat and potatoes and takes the place of both. Here is the recipe: 1 cup milk, 4 tablespoons cream, 2 cups stale bread crumbs, 2 eggs, 1 cup cooked macaroni cut in pieces, 4 tablespoons melted butter, 1 teaspoon salt, paprika.

Method: Heat the milk and bread crumbs together. Stir in the slightly beaten egg yolks. Add macaroni, salmon, cream, butter and salt. Either canned or cooked salmon may be used. Fold in the

(Continued on page 17)

HOUSEKEEPERS GET ATTENTION OF KOAC

CORVALLIS, Ore.—Afternoon broadcasts for the homemaker were begun recently by Station KOAC, the Oregon Agricultural college here, under the title "The Housekeepers' Half Hour." This service is put on the air each Wednesday and Thursday afternoon from 2:00 to 2:30 o'clock Pacific time. It is in addition to the regular half hour homemakers' program that has been included in the college station broadcasts since last October on Wednesday evenings from 7:30 to 8:00 o'clock.

SHORT WAVES

By Marcella

Jean Sargent, WHT's Jean, is not married. She is just as nice looking as her voice sounds; yes, and her disposition is best typified by the two words—good scout. Age? Well, you know we ladies are a little skittish over such questions, but I will answer it by saying Jean is middle-aged and her hair is a beautiful silver gray, mixed with black. You will find her an extremely interesting person with all sorts of interesting experiences and tales of business. Yessirree—I agree with you in saying she's the best lady announcer on the air—in fact, she's the only one I care to hear.

* *

Yes, K. H. R., Emmet and Dick Long, both of WCCO, Gold Medal fame, are brothers. Dick is familiarly called "the blond Apollo" and he conducts the Nankin cafe orchestra. Emmet is portly and a trifle ruddier. He conducts the Golden Pheasant inn orchestra. The two cafes are directly across the street from one another. According to E. H. Gammons, my WCCO friend and adviser, both boys started playing in bands and conducting them when they were "knee-high to grasshoppers." Dick told him that once he had to borrow a pair of long pants to get a job at Minnehaha Park.

* *

As for H. I. B., try again. "The Merry Old Chief," WJR, and Phillips Carlin and Leslie Joy, of WEAF, all are "handsome as they sound" but married. Sorry they sound single.

* *

Jack Robertson, one of WFAA's "Early Bird" entertainers, is twenty-nine years old and single. Besides that, answering M. A. D. et al, he is extremely modest and blushes furiously every time he gets a mash note. He is quiet in his habits and spends most of his time with his Hawaiian guitar which he loves devotedly. Stands 5 feet 9 inches and tips the scales at 155. He is dark and has extremely dark eyes, which may be termed—ah-h-h—the caressing type.

* *

Wendell Hall, the "Red-Headed Music Maker," is in New York on 455 meters—WJZ. He is billed there for three weeks, two times a week, beginning March 15 and ending this week. Don't know whither after that. Wendell started with is ukulele ditties over KYW "back when"—many years ago—and has been a tremendous success ever since. Probably his best-known composition is his "Rain" song. He courted his sweetheart—now Mrs. Hall—over the air and was married via the WEAF chain. Tall, red-headed, even dispositioned, pleasant and inclined to soften his speech. Has cute little red mustache and a big raccoon coat. Mrs. Hall is best described as a jolly bunch of smiles.

* *

Nick Lucas, the crooning troubadour, formerly a member of the WEBH Oriole orchestra, is now going the rounds of the Orpheum vaudeville circuit. Heard him a week ago in Chicago and he stopped the show. Don't know when he'll be back on the air, but of course he's on the records.

* *

WBAP's "Sunflower Girl" goes under the real name of Bessie Coldiron—a rather chilly cognomen for such a beautiful, talented, Titian-haired Miss of twenty years. The Hired Hand describes her as all a bachelor could desire, and the H. H. is an experienced recommender.

* *

Who was it wanted to know if Graham

(Continued on page 17)

Loss of Avoirdupois Cause of WLW Worry

Station Fears Women May Get Too Thin

CINCINNATI.—One of the weighty problems of the Crosley WLW station here, is the possibility of its women listeners becoming too thin. This situation has arisen through their participation in the setting-up exercises which William N. Stratdmann, physical instructor of the Cincinnati Y. M. C. A., broadcasts every morning, except Saturday and Sunday, at 7:30 Central time.

While many of the women devotees to the art of physical exercise have reported they have lost weight, others have reported gaining weight through the same exercises. But it is the ones who have lost their extra fat who are concerning some physicians who believe too much displacement of fat is not healthy, as bodies need fat as much as other things which go to make up a human being.

WOMEN'S PROGRAMS INDEX

Saturday, April 3

Eastern	Central	Mountain	Pacific
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.

WWJ (352.7m-850kc) Tonight's dinner.

11	10	9	8

WEAR (389.4m-770kc) Home service talk.
WHT (399.8m-750kc) Women's club, Jean Sargent.

12 n.	11	10	9

WGN (302.8m-990kc) Household hints.
WQJ (447.5m-670kc) Home Economics program; character analysis.

12:30 p. m.	11:30	10:30	9:30

WGN (302.8m-990kc) Discussion of fashions.

12:35	11:35	10:35	9:35

KYW (535.4m-560kc) Table talk.

1	12 n.	11	10

KGW (491.5m-610kc) Household helps, shopping guide.
KMA (252m-1190kc) Domestic science topics.

4	3 p. m.	2 p. m.	1 p. m.

KJR (384.4m-780kc) Tonight's dinner.

6:30	5:30	4:30	3:30

CNRV (291.1m-1080kc) Women's talks.

Monday, April 5

Eastern	Central	Mountain	Pacific
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.

WWJ (352.7m-850kc) Tonight's dinner.

10	9	8	7

WJZ (454.3m-660kc) Women's hour.
WTAG (268m-1120kc) Talk, Marjorie Woodman, nurse.

10:50	9:50	8:50	7:50

WMC (499.7m-600kc) Home economics discussion, Miss Kitty.

11	10	9	8

WEAR (389.4m-770kc) Home service talk.
WHT (399.8m-750kc) Women's club, Jean Sargent.
WNYC (526m-570kc) Women's program.
WTIC (475.9m-630kc) Talk.

11:15	10:15	9:15	8:15

WTIC (475.9m-630kc) Talk.

11:30	10:45	9:30	8:30

WTIC (475.9m-630kc) Housewife's forum.

11:45	10:45	9:45	8:45

WCCO (416.4m-720kc) "Good Things with Toast," Betty Crocker.
WDAF (365.6m-820kc), WHT (399.8m-750kc, WJAR (305.9m-980kc) Home service talk, Betty Crocker.

12 n.	11	10	9

WGN (302.8m-990kc) Household hints.
WQJ (447.5m-670kc) Home Economics program. "Air Plants," Maud Jacobs; "Pressure Cookers and Their Uses," H. West.

12:15 p. m.	11:15	10:15	9:15

KYW (535.4m-560kc) Meat talk.

12:30	11:30	10:30	9:30

WEBH (370.2m-810kc) Fashion and household talks.

12:35	11:35	10:35	9:35

KYW (535.4m-560kc) Table talk.

2:30	1:30 p. m.	12:30 p. m.	11:30

KFNF (263m-1140kc) Mothers' hour.
WGY (379.5m-790kc) Cooking lesson, Jessie Lane. "What the Preschool Child Sould Eat," Dora Sonnenday.

3	2	1	12 n.

WCCO (416.4m-720kc) Women's hour.
WSOE (246m-1220kc) Cooking chats.

4	3	2	1 p. m.

WIP (508.2m-590kc) Market hints for housewives.
WOC (483.6m-620kc) Home management schedule, Aunt Jane.
WQJ (447.5m-670kc) "The Care of Your Hair," Madame Huntingford.

5	4	3	2

KJR (384.4m-780kc) Home helps.

12:15 a. m.	11:15 p. m.	10:15 p. m.	9:15 p. m.

KGO (361.2m-830kc) "Character Training in the Home," "Leisure Time," Edith Mirrieless.

Tuesday, April 6

Eastern	Central	Mountain	Pacific
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.

WWJ (352.7m-850kc) Tonight's dinner.

10	9	8	7

KDKA (309.1m-970kc) Domestic Science. Arts for the Housewife.
WIP (508.2m-590kc) Menu, Anna Scott.
WJZ (454.3m-660kc) Women's hour.

10:45	9:45	8:45	7:45

WTAG (268m-1120kc) Talks to Mothers, Rosebelle Jacobus.

11	10	9	8

WEAR (389.4m-770kc) Home service talk.
WHT (399.8m-750kc) Women's club, Jean Sargent.
WMCA (340.7m-880kc) Home makers' hour.

11:30	10:30	9:30	8:30

WOI (270m-1110kc) "Washing the Bedding," "Diets for Spring," Mabel Nelson.

12 n.	11	10	9

WGN (302.8m-990kc) Household hints.
WQJ (447.5m-670kc) "How to Retain Your Youthful Appearance," "How to Select a Becoming Hat," Lillian Russell. "The Six Year Molars," M. Buckley. Pep exercises.

12:30 p. m.	11:30	10:30	9:30

WEBH (370.2m-810kc) Fashion and household talks.

1	12 n.	11	10

KPO (428.3m-700kc) Domestic science talk.

2	1 p. m.	12 n.	11

WGY (379.5m-790kc) "The Better American Home," M. Tucker.

3	2	1 p. m.	12 n.

WCCO (416.4m-720kc) "Problems of Our Government," League of Women Voters.

3:15	2:15	1:15	12:15 p. m.

WHO (526m-570kc) Recipes, household hints.

4	3	2	1

WIP (508.2m-590kc) Menu talk.
WOC (483.6m-620kc) Home management schedule.
WQJ (447.5m-670kc) "Planning the Home Spring Wedding," Esther Hall. "Food Preservation by Electric Refrigeration," W. Hyde.

4:30	3:30	2:30	1:30

WLIT (394.5m-760kc) Household helps and hints.

5	4	3	2

KJR (384.4m-780kc) Home helps.

5:30	4:30	3:30	2:30

KOA (322.4m-930kc) Housewives matinee.

6	5	4	3

KOA (322.4m-930kc) Culinary hints, Clara Hoover.

6:15	5:15	4:15	3:15

KOA (322.4m-930kc) Fashion review, Sally Dee.

7	6	5	4

KFOA (454.3m-660kc) Today's recipe.

8	7	6	5

WPG (299.8m-1000kc) Fashion Flashes.

8:30	7:30	6:30	5:30

KGO (361.2m-830kc) As a Woman Thinketh.

Wednesday, April 7

Eastern	Central	Mountain	Pacific
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.

WWJ (352.7m-850kc) Tonight's dinner.

10	9	8	7

WIP (508.2m-590kc) Menu.
WJZ (454.3m-660kc) Women's hour.

10:45	9:45	8:45	7:45

WEAF (491.5m-610kc) Home service talk, Betty Crocker.
WFI (394.5m-760kc) Gold Medal Service talk, Betty Crocker.
WTAG (268m-1120kc) Talk to Housewives, Mrs. Lydia Flanders.

11	10	9	8

WHT (399.8m-750kc) Women's club, Jean Sargent.
WNYC (526m-570kc) Women's program.

11:45 a. m.	10:45 a. m.	9:45 a. m.	8:45 a. m.

WCCO (416.4m-720kc) "Food Fads and Fancies," Betty Crocker.
WDAF (365.6m-820kc) WHT (399.8m-750kc), WJAR (305.9m-980kc) Home service talk, Betty Crocker.

12 n.	11	10	9

WGN (302.8m-990kc) Household hints.
WQJ (447.5m-670kc) Home Economics program, "Child Welfare," Lena Sadler. "Directing the Child's Eating Habits," Marie Johnson. "Unusual Rice Dishes," Bertha Harris.

12:30 p. m.	11:30	10:30	9:30

WEBH (370.2m-810kc) Fashion and household talks.
WGN (302.8m-990kc) Discussion of fashions.

12:35	11:35	10:35	9:35

KYW (535.4m-560kc) Table talk.

1	12 n.	11	10

KPO (428.3m-700kc) Sewing talk.

3	2 p. m.	1 p. m.	12 n.

WCCO (416.4m-720kc) Woman's hour.

4	3	2	1 p. m.

WLW (122.3m-710kc) Cooking school.
WOC (483.6m-620kc) Home management schedule, Aunt Jane.
WQJ (447.5m-670kc) "Health Assurance," Jean Rich.

5	4	3	2

KOAC (280.2m-1070kc) Housekeeper's half hour.
WMAQ (447.5m-670kc) Recipes.

6	5	4	3

KGO (361.2m-830kc) "Hints for Housekeeper."

7	6	5	4

KFOA (454.3m-660kc) Today's recipes.
KLX (508.2m-590kc) Woman's hour.
KMA (252m-1190kc) Domestic science talk.

10:30	9:30	8:30	7:30

KOAC (280.2m-1070kc) "Every Child—What He Needs," Sara Prentiss.

10:45	9:45	8:45	7:45

KOAC (280.2m-1070kc) "Spring Days and the Inevitable House Cleaning," Emma Weld.

Thursday, April 8

Eastern	Central	Mountain	Pacific
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.

WWJ (352.7m-850kc) Tonight's dinner.

10	9	8	7

WIP (508.2m-590kc) Menu talk.
WJZ (454.3m-660kc) Women's hour.

10:45	9:45	8:45	7:45

WTAG (268m-1120kc) Talk, Marjorie Woodman, nurse.

10:50	9:50	8:50	7:50

WMC (499.7m-600kc) Home economics discussion, Miss Kitty.

11	10	9	8

WEAF (491.5m-610kc) Talks, cookery lecture.
WEAR (389.4m-770kc) Home service talk.

11:30	10:30	9:30	8:30

WHT (399.8m-750kc) Women's club, Jean Sargent.
WOI (270m-1110kc) "Care of Special Equipment," Mary Mason. "Our Plans for You," Neal Knowles.

12 n.	11	10	9

WGN (302.8m-990kc) Household hints.
WQJ (447.5m-670kc) "Plain and Fancy Omelets," Erna Bertrams. "Dressmaking," Lillian Krauter.

12:30 p. m.	11:30	10:30	9:30

WEBH (370.2m-810kc) Household and fashion talks.

12:35	11:35	10:35	9:35

KYW (535.4m-560kc) Table talks.

4	3 p. m.	2 p. m.	1 p. m.

WOC (483.6m-620kc) Home management schedule, Aunt Jane.
WQJ (447.5m-670kc) "Raising Potatoes for Suburbanites," Adam Schilling. "Making America Beautiful Through Planting," "A Living Living Room," Harriet Michael.

5 p. m.	4 p. m.	3 p. m.	2 p. m.

KFOA (454.3m-660kc) Home helps.
KOAC (280.2m-1070kc) Housekeeper's half hour.
KSD (545.1m-550kc) Women's hour.

5:30	4:30	3:30	2:30

KOA (322.4m-930kc) Housewives' matinee.
WCCO (416.4m-720kc) Women's club program.

6:15	5:15	4:15	3:15

KOA (322.4m-930kc) Culinary hints, Clara Hoover. Fashion review, Sally Dee.

7	6	5	4

KFOA (454.3m-660kc) Today's recipe.

9	8	7	6

KUOA (299.8m-1000kc) "Eat Your Way to Health," J. Read.

Friday, April 9

Eastern	Central	Mountain	Pacific
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.

WWJ (352.7m-850kc) Tonight's dinner.

10	9	8	7

KDKA (309.1m-970kc) Domestic science and Arts for the Housewife.
WJZ (454.3m-640kc) Women's hour.

10:45	9:45	8:45	7:45

WTAG (268m-1120kc) Food hints, Mildred Thomas.

11	10	9	8

WHT (399.8m-750kc) Women's hour, Jean Sargent.
WTIC (475.9m-630kc) Book talk. Fashion talk.

11:30	10:30	9:30	8:30

KFAB (340.7m-880kc) "Keeping Cool," Greta Gray.
WTIC (475.9m-630kc) Housewives' forum.
WDAF (365.6m-820kc), WEAR (389.4m-770kc), WJAR (305.9m-980kc), Betty Crocker's Home service talk.

11:45	10:45	9:45	8:45

WCCO (416.4m-720kc) "Meet a Cheap Meat." Betty Crocker.

12 n.	11	10	9

WGN (302.8m-990kc) Household hints.
WQJ (447.5m-670kc) Sunday Dinner Menu, Ted Wilmes.

12:15 p. m.	11:15	10:15	9:15

KYW (535.4m-560kc) Meat talk.

12:30	11:30	10:30	9:30

WEBH (370.2m-810kc) Household and fashion talks.
WGN (302.8m-990kc) Discussion of fashions.

12:35	11:35	10:35	9:35

KYW (535.4m-560kc) Table talk.

1:45	12:45 p. m.	11:45	10:45

WOAW (526m-570kc) Sunshine Sunday dinner menu.

3	2	1 p. m.	12 n.

WCCO (416.4m-720kc) Women's hour.

3:15	2:15	1:15	12:15 p. m.

WHO (526m-570kc) Recipes, household hints.

4	3	2	1

WOC (483.6m-620kc) Home Management, Aunt Jane.
WQJ (447.5m-670kc) Home Economics program. "Health and Hygiene," Catherine Spengler.

4:30	3:30	2:30	1:30

WEAA (475.9m-630kc) Homemakers program.
WMAQ (447.5m-670kc) Foibles of the Moment.

5	4	3	2

KJR (384.4m-780kc) Home helps.
KYW (535.4m-560kc) Woman's hour.

5:15	4:15	3:15	2:15

WMAQ (447.5m-670kc)

5:30	4:30	3:30	2:30

KOA (322.4m-930kc) Housewives matinee.

6	5	4	3

KOA (322.4m-930kc) Culinary hints.

6:15	5:15	4:15	3:15

KOA (322.4m-930kc) Fashion review.

a STEP ON the STAIRS

By ROBERT J. CASEY

Radio Dramatization by FRED SMITH

Illustrations by HILMER C. OLSON

Synopsis of Preceding Chapters

IN THE first four episodes of "A Step On the Stairs," which are now available for 25 cents in a special reprint, we find a group of a dozen members of the Turner family in the hunt-room of the old Turner manse. They are nerve-strained and very jumpy as the result of a number of weird incidents connected with the attempted seance whereby Peleg Turner, the last of the house to die, attempts to speak from beyond the grave through a Radio loud speaker and tell them who killed his brother, Jeremiah. Ardwyn, the lawyer, presides. Mary Williams seems to be involved in most of the strange events, and the finger of suspicion is pointed at her by Aunt Helen, a gabby old widow; Cousin William, companion to Aunt Helen; Hazel Stanton, a girl whose relation to the family does not seem entirely clear, and Henry Graves who offers his protection by marriage. His offer is spurned. In the last episode John Carton, apparently Mary's accepted lover, appears in the room after the others have left for refreshments in another part of the house. Mary had fainted when she thought she felt the corpse of Peleg Turner entering the room through the front door, supposed to be barred except for the passage of the dead bodies of Turners going to their final resting place. Ardwyn left to get her a sedative. Hari Singh, the East Indian servant, unexpectedly becomes an ally of Mary when Carton, who seemed to be hiding from arrest on suspicion of the crime, is about to be trapped by other members of the party. The servant lets Carton out a side door.

Before Hari Singh is able to return, the other guests enter the room and demand an explanation of Mary as to the voice that had been heard in the room. Mary evades the questions briefly, but soon Hari Singh calls for help. He is discovered dragging in the body of a man which he said he had found outside the door in the snow. It is Milford Jones, with a fractured skull. He had disappeared earlier during the seance. While suspicions for the various evil happenings are being cast about, FYX starts up. A number is rendered and FYX stands by for the ship's SOS. Suddenly—Peleg Turner's voice comes out of the loud speaker. He curses Jeremiah's murderer whom he says is in the house and will pay the price 'ere dawn.

THE STORY CONTINUES.

CHAPTER ELEVEN

Eleven and Thirteen

A MOMENT later it was impossible to distinguish one voice from another in the mad hysteria that swept through the dark. The shriek of Hazel Stanton died to a sob and men's voices, frankly panic stricken, took up her cry for release. Vainly Ardwyn called for order. The situation had passed beyond his hands. And then, unexpectedly, came a quieting influence from a new source.

It was the voice of Tolliver—bellowing but hilarious—that crashed to the teak rafter through the din of fear.

"Say, cut out the opera," he roared. "This place is getting battier than 'The Bat'." A few of the guests here and there ceased their noise to listen to him.

"What's the matter, Tolliver?" inquired Ardwyn when he could be heard.

"Not a thing, Mr. Ardwyn; not a thing," declared the bellowing voice. "But it seems to me we're takin' quite a lot for granted here. Was that Peleg Turner's voice we just heard on the Radio?"

"Of course it was," moaned Aunt Helen Holmes. "I know it was. I'd know dear Peleg's voice anywhere. We all know it was Peleg Turner's voice—and him in his grave these four weeks. . . ."

"Well, you have it on me," admitted Tolliver. "Me, I'm not so sure. It mighta been old Peleg's voice an' then again it mighta been Abd-el-Krim's voice—or pretty near anybody's voice—or somebody playin' a piano. With a loud speaker like this one you never can tell."

"It was Peleg Turner's voice!" This belligerently from across the room, presumably stated by Henry Graves.

"Who can prove it?" demanded Tolliver scoffingly. "A sawbuck to the man or woman who can show how any man dead or alive would be nutty enough to attempt to put over an idea on a mob of cuckoos like this."

"It was Peleg Turner an' him in his grave these—" Aunt Helen's wail was smothered in the protest of others who felt that their judgment was in question.

"Of course it was Turner's voice," broke in Cousin William Caryl. "Yes! Yes! Who else could it have been?"

There followed a mumbled argument and then a moment of silence through which Mary Williams' voice rose gently but firmly.

"I agree with Mr. Tolliver," she said. "I knew Uncle Peleg very well. I thought it was his voice in the loud speaker. But now I am not so sure."

"Miss Stanton thought it was," retorted Aunt Helen indignantly. "She recognized it just as I did, an' she's just as bright as others around here I could name, Mary Williams." Mary did not rise to the bait. Instead, she called suddenly to Ardwyn.

"LOOK out for Miss Stanton," she pleaded. "Don't let her get near the front door. Watch the front door."

"Let George watch the front door," suggested Tolliver. "Me, I ain't goin' to stir outa my tracks until somebody gets this place restored to comfortable chaos."

"Miss Stanton is not in her chair," charged Mary Williams. "I am right where she was sitting and she is gone."

"Let her go," bellowed Tolliver. "What difference does it make. We still have enough maniacs left to make the evening interesting. I smell something. . . ."

"So do I," said Miss Williams.

"Ether," diagnosed Tolliver. "Just what we needed to complete the program. . . . What's that? . . . Somebody just put something into my hand."

"What?" demanded Ardwyn.

"Leggo!" shouted Tolliver. "Leggo my hand. . . . Aw, doggone. . . . Somebody took it away again."

"Tolliver," called Ardwyn with a queer note in his voice. "Just who are you and what are you driving at?"

"Me, I'm a voice in the dark," replied Tolliver cheerily. "I'm a customer in a three-dollar seat wonderin' how all this is goin' to turn out. If you're askin' me, I've seen worse shows but I ain't been actin' in 'em."

He halted as if with a sudden swelling of the tongue as a stream of light struck him squarely in the face.

"An electric flash lamp," shouted Ardwyn. "Who had that? Who turned it on?"

"It's out again," murmured Tolliver regretfully.

"So far as I know, nobody who came into this room tonight carried a flash lamp," Ardwyn stated calmly. "It wasn't in evidence a moment ago when we needed it. Now I should like the person who is holding it to turn it on again and identify himself."

"Hari Singh!" repeated Ardwyn impatiently. "Open the door and get us a light."

"Where are the matches?" asked Tolliver evenly. "It might be a good start to light our own light. We could yell for Hari Singh afterward."

"The matches were on the table a minute ago," returned Ardwyn. "They're gone now . . . and, ladies and gentlemen, something is amiss here. I do not wish to alarm you but we had better come to an understanding about the matter right away.

"WHEN this seance started we were all grouped about the table. With very few exceptions we should be in the same positions now.

"I should like to have you draw your chairs closer to the table." A sound of moving furnture gave him an immediate response.

"Very well," he said. "Now every one of you will take the hand of the one next to you on both sides, thus making a human chain about the table. If the chain is complete, everyone should have both his hands occupied. If anyone has one hand free, call out."

"All O.K. here," came a report from Tolliver. "Just what kind of a game is this, anyway?"

"Be still, Tolliver," begged the attorney. "Is there anyone who seems to be at a break in the chain?"

"Not on this side," whispered one of the women.

Ardwyn hesitated a moment and then resumed.

"Well, now," he said. "I shall break the chain here and I shall make a circuit about the table to call the roll. I shall touch the head of each of you in passing and I shall count aloud. This gentleman on my right is number one. . . . The lady to the right of him is number two. . . ."

He halted as if with a sudden swelling of the tongue as a stream of light struck him squarely in the face.

There was no response.

"Please don't make a joke of this, ladies and gentlemen," the lawyer begged. "We have had enough mystery tonight and it is essential that we know who turned on the light. . . ." But his plea ended in the unfathomable silence.

"Hari Singh," he called. "Where is Hari Singh?"

"Humph, just what I thought," commented Aunt Helen. "The heathen has locked us in an' gone off somewhere. You might know he'd be mixed up in the scandalous doin's someway."

"What ought to be the total?" inquired Tolliver.

"There were eleven of us in this room when the doors were locked," explained Ardwyn significantly. "Here are numbers three and four . . . and five and six. . . ."

"That makes me number seven," said Tolliver. "Hurry up your game. I'm at the end of the table and it's a long reach between hands."

"A lady—number eight," counted Ardwyn. "Two gentlemen—nine and ten. And I can count myself as eleven. . . ."

He paused with a sudden intake of breath.

"But you haven't finished," came a horrified voice. "There's someone next to me. . . ."

"There is," gasped Ardwyn. "You are right. Here—is number twelve. . . . And another still—thirteen!

"There should be eleven of us here. . . . There are thirteen!"

He repeated the total in an awed tone.

"Thirteen!" And only a terrified moaning broke the silence.

CHAPTER TWELVE

Lights Out

FOR the first time since the invited twelve had gathered in the gloomy hunt-room to keep their weird tryst with death, Frederick Ardwyn was plainly nonplussed. For a chill minute there was no sound of a voice, only the muffled moaning of some woman semi-conscious and apparently afraid to scream lest she attract the attention of the two unidentified visitors. Then, somewhat shaken and making no attempt to conceal his emotions, Ardwyn called loudly for Hari Singh.

As before, his call echoed in the long room without response.

"Can't anyone find the matches?" he called. "Break the chain and look for the matches. They should be on the floor somewhere near the candlestick."

"Maybe we're better off in the dark," suggested Tolliver. "No telling what our new friends look like."

"Shut up and look for the matches," ordered Ardwyn.

"I'm looking," replied Tolliver. "So is everybody else. This is my hunting ground, you—get off my hand! That's the second time somebody has walked on my hand. . . ."

A generator hum sounded in the Radio.

"Quiet a moment," counseled Ardwyn. "There's something on the Radio again."

"Me, I've heard enough Radio," declared Tolliver from under the table. "Get off my hand—doggone it—a man ain't safe even under the table in this place."

"This is Station FYX," came the voice from the loud speaker. "Station FYX signed off a few minutes ago at the request of the coast guard to avoid interference with an SOS call from a boat on Pelican Bay. This station will resume transmission in five minutes. The coast guard station reports a mystery in connection with this call. The ship to which it was traced apparently was not in distress at all. She was overhauled in an attempt to slip through the narrows without lights. It is believed that the call was sent out to create a diversion and draw the attention of the coast guards while some other craft made a landing of contraband somewhere on the bay front. Please stand by a few minutes for our studio program which will be resumed from our studio in Portsmouth."

Tolliver laughed.

"Bootleggers," he commented. "All this riot about some numb wits tryin' to land a launch-ful o' hooch. . . .

"Ardwyn, are you sure you counted right?"

"GET the matches, you fool," countered Ardwyn. "You heard me count. Nobody could have changed places without breaking the chain. The break would certainly have been noticed. There are thirteen persons in this room where there only ought to

be eleven and we'll never know who they are until we get a light."

"Who can they be?" whispered Cousin William Caryl.

"Who am I to say?" replied Aunt Helen Holmes. "All I know is I been actin' a lady ever since I came into this den of evil. An' all I'm prayin' is I get out again."

Her voice cracked for all that she spoke in the mechanical sing-song of the professional exhorter. It was a whimper toward the end.

"Murderers, probably, Cousin William," she said. "Murderers come to kill us all just like Cousin Peleg Turner said they would. Listen. . ."

"I can't hear anything," observed Cousin William. "Nothing but this bull of Bashan under the table cursing about somebody stepping on his fingers.

"Keep close to me, Cousin William, keep close to me. I'm afraid. Pray for a light, Cousin William. Pray for a light."

"If some of you people will let me up we'll see what's going on here," announced Tolliver, exultantly. "I think I've found the matches. Leggo of me. Leggo. . ."

His voice choked off in a surprised gurgle and there came a crash of a breaking chair and a shriek.

"Two can do that," he gasped a moment later, his voice strained until almost unrecognizable. "There's one for you." A second crash sounded through the room.

"The murderers," screamed Aunt Helen. "They're killing him."

"Leggo my neck," commanded Tolliver. Another unheaval shook the table and nearly overturned it.

"Quick — Mr. Ardwyn — quick — on the table. There they are. The matches—I got him now—I got him now. . ."

And then came the slipping feet on the oaken floor and the labored breathing of the fighting men.

"I have the matches," shouted Ardwyn. "Hold him a second . . . just a second. . . We're eight to two. . ."

"Don't light that match!" came a harsh command from close to his elbow. "I'll shoot to kill at the first flicker."

While waiting for the amazing complications to be brought out in the next installment of this remarkable Radio mystery story, try to figure out these questions: Was it the odor of ether that Tolliver thought he smelled? Whose hand held the flash light? Who fought with Tolliver and threatened the first to strike a match? Don't miss a line. Get the next issue as soon as it appears.

LEGION RADIO POST MEETS EACH WEEK

Veterans of World War Not Living Near Organized Chapter Are Eligible for Membership

OKLAHOMA CITY, Okla.—The only American Legion Radio Post in the world holds its weekly meeting every Saturday night at midnight through Station KFJF, here. The post is convened and adjourned in due form and for an hour business is transacted and entertainment enjoyed.

Anyone who saw service in the World war, and who lives where there is no regular post, is eligible to membership. The dues are the same as those of a regular post, $3.00 per year, giving the membership certificate, the American Legion weekly and the Oklahoma legionnaire.

Get On Killer's Trail and Follow It to End

Last Chapters of Mystery Play Hold Many Clews

Do your mystery story sleuthing early—but not too early.

Many last chapters to "A Step on the Stairs" have already been received by the Mystery Story Editor of Radio Digest. But they are premature. No one can, from the facts already in hand, reasonably draw safe conclusions as to the real culprits, nor as to the innocence or guilt of the characters thus far introduced.

Some big surprises are in store for the final installments. Thrills of a new kind, not yet presented, will startle both readers of the story as it now is appearing weekly in Radio Digest and listeners of the drama as it is heard from the various broadcasting stations.

Take this tip. Study every fact thus far revealed from the first chapter to the current issue. Compare the data thus obtained with the new facts to be developed. Match them one against the other. And when you have all of this material together draw your deductions and write that chapter. It's a business proposition. Get it right and Radio Digest will give you a share of the $500 reward.

Get the murderer of Jeremiah Turner, dead or alive, and collect the reward!

$500 in Gold

FOR THE SOLUTION OF

"a Step On the Stairs"

REPRINTS NOW AVAILABLE

SO MANY people are attempting to win part of the $500 in Gold prizes which are being offered for solutions to "A Step On the Stairs," a reprint of the first four installments has been printed and may be had for the nominal charge of twenty-five cents, in coin or stamps, to cover the cost of handling. Address your order to the Mystery Story Editor, care of Radio Digest.

The chosen stations, which are broadcasting "A Step On the Stairs," in Radio play form, are given on page eleven. The days and the hours are listed.

THE PRIZES

The prizes are seventeen in number. First prize is $250; second prize is $100; third to seventeenth prizes inclusive, are $10 each. In the event of a tie for any prize offered, a prize identical in all respects with that tied for will be awarded to each tying contestant.

HOW TO WIN A PRIZE

Nine installments of Mr. Casey's story will be published consecutively each week. The first appeared in the February 27 issue. His tenth and final installment will not appear until the prize winning solutions have been selected by the judges. The solution nearest correct, that is, nearest to unraveling the mystery accurately, will win. The method of preparing the solution—its neatness, legibility, etc.—shall be considered.

RULES OF CONTEST

1. Solutions must be received not later than midnight of Saturday, May 1. The ninth installment of the story will appear in the April 24 issue. The author's intended and final chapter will appear in the May 15 issue, together with the announcement of the winners' names.

2. The contest is open to everyone except employes of Radio Digest and their families.

3. Contestants pay no fee and need not be subscribers to Radio Digest. Solutions, however, must be written upon one side of paper.

4. The decision of the judges, to be named later, will be final.

Radio Club Notes

The committee back of the movement to establish a Radio Listeners' club in Evansville, Indiana, communicated with Radio leaders of Cleveland and Indianapolis to obtain detailed information so they could go ahead right. Edward Birdsall, at the head of the Listeners' club of Cleveland, was asked for aid and gave it gladly. Station WFBM of Indianapolis, has also helped the cause. On receipt of exact data from various other sources, the first meeting will be called for adoption of a constitution and election of officers. Indications are that membership will quickly run into the hundreds.

* *

"Montgomery for Better Radio Reception" is the enterprising slogan of the Montgomery (Pa.) Radio club. This club was organized March 3, with 150 members at the first meeting. The president is Joseph Shelley and the vice-president is Harold E. Miller. It is surprising how much Radio interest and desire for improvement in receiving conditions there is in any locality, once somebody starts the ball rolling for the formation of a club.

* *

Janesville (Wis.) Daily Gazette is organizing a club to decrease radiation in that locality and has now joined the long list of newspapers reprinting the Radio Digest blooping series.

* *

Of the thousands who have sent in "I Won't Bloop" pledges, we must put down Harold Shields, Petersbury, Alaska, as being the first to help the cause from this far away state. Antonio Gomez is our first member from Havana, Cuba. Our Mexican friends seem to have been too busy settling who gets the oil profits to join as yet, but there is still hope.

* *

Pennsylvania certainly came through this week and told us what it was doing. Even the dealers have organizations interested in improving Radio reception and recently the Williamsport (Pa.) Radio Dealers association, at one of its weekly dinner meetings, invited Lewis W. Heath, manager of the Pennsylvania Power and Light company, to tell them what his company was doing to eliminate any interference it may have been causing. George Knoll, trouble shooter for the power company told those in attendance of several interesting cases that had been settled satisfactorily.

* *

Getting back to the home town for a moment. Compelled by its rapid growth to seek larger quarters, the Broadcast Listeners' Association of America, Inc., has located in suite 927, 431 S. Dearborn street, Chicago. It is claimed for this organization that it is America's original Radio fans' club, and there is no doubt of its being the largest outfit of its kind.

Officers or members of the staff will be on duty every business day to receive callers and answer mail inquiries. A private branch exchange, Harrison 8527-8528, provides for prompt phone service. The B. L. A. now has local chapters in 23 states. The yearly fee for associate membership is one dollar, and five dollars is the cost of an active membership.

YO-HO-HO SING PIRATES

(Continued from page 5)

sang clear above the rest. It was the "Pirate's Dream." And thus he sang:

"Fifteen men on a dead man's chest—
Yo-ho-ho and a bottle of rum;
Bloopers and static had done for the rest—
Yo-ho-ho and a bottle of rum.
The tenor croaked at the boss'n's mike,
The boss'n brained by a grounding spike;
The basso's throat was sprained belike,
It had been gripped by fingers ten.
And there they lay, all good, dead men
Like break o' day in a boozing ken—
Yo-ho-ho and a bottle of rum."

Then, as the captain paced back and forth, there came a tapping at his cabin door.

"Come in," he said in his deep sea voice and paused expectantly. A tall, heavy-set man in a long raincoat, a drooping black hat and number 14 shoes crushed his way into the room. Striding boldly up to the captain he demanded:

"Are you Captain McDonald, the skipper of this WJAZ?"

"Aye, sometimes I have been so called," smiled McDonald.

Forthwith the stranger pulled from his pocket a summons and began to read.

"And you are therefore commanded," he was reading, when the captain interrupted:

"Forsooth, where do you get that stuff I am to be commanded, aboard my own brig?"

The minion continued to read without so much as lifting his eyes.

"You are finished?" asked the captain at last. The man tendered the folded paper. The captain struck a gong. Two bearded giants stepped into the room, and as villainous a looking team as ever you might find from Yucatan to Timbuctoo. They were armed with cutlasses and dirks and between the two of them they had but two good eyes, the others doubtless gouged out by some drunken brawl or fight on tempest wave.

"Escort the gentleman from the station," ordered the captain. There was the merest shade of a twitch of the commander's right lid and an arch of the brow.

"Aye, aye, sir," that ominous response. An understanding flash passed between those two widowed eyes. The men stepped forward and took the minion by either elbow. He reached for his hip but his hands were caught in lion jaw grips and he found himself moving briskly, his feet scarcely touching the floor. They steered him to the plank that jutted out forty fathoms above the bottom of the ether sea. A hatch door slammed, the plank flipped and the minion stepped into space, floating downward to the waiting scullions who stood ready with mops and pails.

"Wave ho!" Sharktooth Matthews, the lookout announcer, called down from the forward tower. Captain McDonald stepped to the rail in front of his cabin.

"What wave, ho?"

"A 'C'; she is makin' it at 329.5 meters. Leastwise, she flies the Union Jack."

"We'll take it," replied the captain. "Put about, nor'b'nor'west and nail her square. Bring out the forty-eight brasses and tell Hivoltz to let go when ready."

With a crash and a blare all forty-eight brasses, the woodwinds and drums of the staff band hurtled salvo after salvo over the "C 329.5".

"A hit!" shouted the captain. And the cry echoed down the ether lanes, from Hudson Bay to Cape Horn.

"Pirates! If this be piracy, then are we pirates and pirates we shall continue to be until the crack o' doom," he added.

And the day came when the captain was indeed haled before the high court.

"With apologies to the Honorable David Lloyd George," said he, "I ask, what finger wrote the law that makes us pirates in the free air of America?"

Thus the matter stands to this day, with laws and laws and proposals of laws before the national congress and the state. But WJAZ still sails the ether seas and she rides the waves as she wills. The inspectors and the chiefs still bluster and fume but beyond that there is little complaint to be heard, for the pirate captain takes good care not to intrude obnoxiously into the homes of the listeners.

WHAT SHOULD RADIO RECEIVER AVERAGE?

HOW MANY STATIONS DID YOU GET LAST YEAR?

Conditions Surrounding Reception Affect Answers, But Here Are Few Marks for Records

How many stations should a set receive? What is the average? What are a few of the records?

These questions are very popular with listeners. Probably fans with less than one year's listening experience are most apt to ask them, but all are interested.

As a matter of fact, so many conditions enter and affect the answers that no generalizations can be made. Location, congestion of broadcasters, type of set used—all must be considered.

The minimum number of stations received by a good set in an average location, however, should be about eighty. However, if you haven't eighty stations on your log, don't take your set back to the dealer and complain. More than likely conditions are set against you and it is not the set's fault.

What a Few Have Done

During the last year, without solicitation, Radio Digest has received a number of records of reception from its readers. Some of these lists are truly records. Others were not. Would you like to know what some of these fortunate listeners were able to do?

Here are the twelve best:

1. J. E. O'Brien, 26 Dyer Road, Milton, Mass., has logged 402 stations, using a 3-tube regenerative set.
2. J. M. Conrad, Ottawa, Kans., 395 stations, 3-tube regenerative.
3. Mrs. V. A. Johnston, 150 Orchard St., Barberton, O., 345 stations, 5-tube neutrodyne.
4. F. W. Dolley, Lyons Colo., 326 stations, 5-tube radio frequency.
5. Hayden Auto Co., West Newton, Pa., 305 stations.
6. A. A. Franzen, Box 100, Cedar Rapids, Nebr., 296 stations.
7. L. S. J. Cranse, 22 South St., Summit, N. J., 288 stations.
8. F. L. Nelson, 1009 Aschenez St., Pittsburgh, Pa., 277 stations, single tube regenerative.
9. Howard Stowell, 8814 Kimberly Ct., Detroit, Mich., 241 stations, single tube regenerative.
10. W. A. Learo, Montreal, P. Q., Canada, 235 stations.
11. Raymond McGillis, 1720 Iowa Ave., 221 stations, single tube regenerative.
12. Ross Hanch, Route 7, Baraboo, Wis., 203 stations, single tube regenerative.

FIREMEN TURN ON MIKE

(Continued from page 4)

control from the famous Saxe Wisconsin theater through WHAD. The explanation seems to lie in the generous distribution of microphones placed where they will pick up the little stray notes generally lost in the average theater broadcast. It is claimed that twenty-one microphones have been placed in carefully tried out positions so that every tone is recorded and reproduced in the receiver.

The most distant point at which WHAD has been heard is Tahiti, 6,600 miles from Milwaukee. The management early established a rule prohibiting the announcement of names of persons who write in for request numbers or similar purposes.

But, have a heart; don't ever start a fire you can't put out while the fire laddies of Milwaukee are on the air, that is, if it is your intention to turn in the alarm through a Milwaukee station. Because if you should, the chances are the music would stop so suddenly you'd think it was your receiving set that was ablaze and the rest of the listeners never would forgive you.

Upton Sinclair Would Have State-Owned Radio Station

SACRAMENTO, Calif.—A state newspaper, a state bank and a state Radio broadcasting station would be established by Upton Sinclair, the Pasadena author, if he were elected governor, the recently announced Socialist candidate for that office announced in a formal statement of his platform received in Sacramento.

ADVANCE PROGRAMS FOR THE WEEK

Saturday, April 3

Headliners Today

Eastern	Central	Mountain	Pacific
8:10 p. m.	7:10 p. m.	6:10 p. m.	5:10 p. m.

WEEI (348.6m-860kc) Boston symphony.
8:25 7:25 6:25 5:25
WJZ (454.3m-660kc), WRC (468.5m-640kc), WGY (379.5m-790kc) Philharmonic student symphony.
8:30 7:30 6:30 5:30
WIP (508.2m-590kc) Coatesville community night.
9 8 7 6
WSM (282.8m-1060kc) Barn dance.
9:15 8:15 7:15 6:15
WBZ (333.1m-900kc) Novelty program.
9:30 8:30 7:30 6:30
WBZ (333.1m-900kc) Ruthstrom family band.
WLW (422.3m-710kc) "A Step On the Stairs," mystery drama.
9:45 8:45 7:45 6:45
WTIC (475.9m-630kc) Travelers quartet.
10 9 8 7
WOAW (526m-570kc) Fourth Anniversary.
WOC (483.6m-620kc) Jack Little.
10:30 9:30 8:30 7:30
WBAP (475.9m-630kc) Hired Hand's Little symphony.
WOR (405.2m-740kc) "A Step On the Stairs," mystery story.
11 10 9 8
KFI (467m-640kc) Angelus string trio.
KGW (491.5m-610kc) Debate.
KTHS (374.8m-800kc) Ouachita college orchestra.

Saturday, silent night for: CNRA, CNRC, CNRE, CNRM, CNRR, CNRT, CNRV, CNRW, KFRU, KFUO, KFXF, KMA, KOAC, KOB, KSAC, KSO, KTAB, KUOA, KWSC, WABQ, WAIU, WBAL, WCAL, WCX, WDOD, WEAO, WEBJ, WEBW, WEMC, WGBF, WGCP, WGHP, WGR, WGST, WHAD, WHAZ, WHN, WHO, WIP, WJAR, WKAR, WLIT, WLWL, WMAZ, WOS, WRVA, WTAG, WTIC, WWJ.

Eastern Time Stations

CKAC, Montreal, Can. (410.7m-730kc), 7:15 p. m., Windsor hotel dinner concert; 10:30, dance orchestra.
CKCL, Toronto, Can. (357m-840kc), 7-8 p. m., Lowe Brothers symphonic dance orchestra.
CKNC, Toronto, Can. (356.9m-840kc), 8 p. m., C. E. Bodley and his dance orchestra; Paramount quartet.
CNRO, Ottawa, Can. (435.8m-688kc), 8 p. m., Chateau Laurier concert orchestra; 9, instrumental quartet; Ross Heins, cellist; Hazel Jacques, pianist; Lillian Sharp, violinist; Gordon Moffat, violinist; Chateau Laurier dance orchestra.
KDKA, Pittsburgh, Pa. (309.1m-970kc), 6:30 p. m., dinner concert; 8:30, Westinghouse band.
WAHG, Richmond Hill, N. Y. (315.6m-954kc), 12 m., novelty program.
WBZ, Springfield, Mass. (333.1m-900kc), 6:45 p. m., Hotel Kimball orchestra; 7, Capitol theater orchestra; 7:30, poems, Dr. D. M. Staley; 7:45, Repertory theater concert orchestra; 9:15, Dan Nolan, ukulele soloist; 9:30, Ruthstrom family band.
WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., William Penn hotel orchestra; 8:15, Youngstown artists.
WEAF, New York, N. Y. (491.5m-610kc), 6 p. m., dinner music, Hotel Waldorf-Astoria; 7, Madison Avenue Methodist church quartet; 7:30, Vlado Kolitzch's string orchestra; 8, Leonora Speyer, poet; 8:15, Shakesperean hour, WEAF, WGR; 9:30, WEAF Musical Comedy troupe, WEAF, WGR; 10, Ross Gorman and orchestra from Monte Carlo; 11-12, Vincent Lopez and orchestra.
WEEI, Boston, Mass. (348.6m-860kc), 7:10 p. m., Slade's Spice family; 8:10, Boston symphony.
WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra; 8, recital; 11, Bellevue Stratford dance orchestra.
WGBS, New York, N. Y. (315.6m-950kc), 6:30 p. m., Vincent Storey concert trio; 7:15, Mac and Lennie; 7:30, Mal Hallet and his serenaders; 8:30, Clifford Cheasley, "Numerology"; 8:40, Kittredge glee and uke clubs; 10, Emo's movie; 10:30, Arrowhead Inn dance orchestra.
WGHB, Clearwater, Fla. (265.3m-1130kc), 6:30-7:30 p. m., Crocker and his Gater orchestra; 7:30-7:45, Giles W. Quarles; 8:30-9:30, Mr. and Mrs. Charlie A. Waller; Calvary Baptist church quartet; 11:45-1 a. m., Harold Crocker and his Gater orchestra.
WGR, Buffalo, N. Y. (319m-940kc), 8:15 p. m., WEAF.
WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., Onondaga hotel dinner program; 8:25, N. Y. Philharmonic society student symphony; 10:30, dance program.
WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin hotel concert orchestra; 8:30, Coatesville Community Night; 10:05, El Patio dance orchestra; 11:05, organ recital.
WJZ, New York, N. Y. (454.3m-660kc), 7 p. m,, Hotel Commodore concert orchestra; 8:25, Philharmonic society student concert, WRC, WGY; 10:30, Hotel Vanderbilt dance orchestra.
WLIT, Philadelphia, Pa. (394.5m-760kc), 7:30 p. m., Benjamin Franklin hotel concert orchestra.
WMAK, Buffalo, N. Y. (265.3m-1130kc), 6:15-7:15 p.m., Hotel Lafayette orchestra; 7:30-8:30, musical program; 8:30-9, musical program; 9-10:30, program; 10:30-11, Toddy program; 11-3 a. m., musical review.
WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Olcott Vail and Hotel McAlpin string ensemble; 6:30, Parody orchestra; 10, Norman Pearce, reader; 10:30, Creole Follies; 11, Ernie Golden and Hotel McAlpin orchestra; 12, McAlpin entertainers.
WNYC, New York, N. Y. (526m-570kc), 7 p. m., song recital; 7:35, piano selections; 8, Allan Campbell, basso; 8:30, Fred M. Ehrenberg, musical program; 9, Wayside Troubadours; 9:30, vocal program.
WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Adelphia hotel dance orchestra.
WOR, Newark, N. J. (405.2m-740kc), 6:30 p. m., Jacques Jacobs' Hotel Shelton ensemble; 7:30, Van's Collegians; 8:45, Copenhagen quartet; 9:15, La Forge, Berumen musicale; 10:30, "A Step On the Stairs"; 11:15 p. m., George Tcherbau's Katinka orchestra.
WPG, Atlantic City, N. J. (299.8m-1000kc), 6:45 p. m., organ recital, Arthur Brook; 7, Hotel Traymore dinner music; 7:45, harp recital, Emily Hepler; 8, Million Dollar Pier dance orchestra, Katz and his Kittens; 8:30, U of Pennsylvania 1926 Mask and Wig show, A Sale and a Sailor—or Glory. What Prices?; 11, Nick Nickol's dance orchestra; 11:30, dance orchestra.
WRC, Washington, D. C. (468.5m-640kc), 7 p. m., Hotel Washington orchestra; 8:25, N. Y. Philharmonic orchestra; 10:30, Meyer Davis' Swanee syncopators; 11:30-12 midnight, Otto F. Beck, organist.
WTAM, Cleveland, Ohio (389.4m-770kc), 6-7 p. m., Guy Lombardo and his Royal Canadians; 8-9, Hollenden hour; 9-12, Ev Jones and his gang.
WTIC, Hartford, Conn. (475.9m-630kc), 6:30 p. m., Skinny and his gang; 6:50, Hotel Bond trio; 9, Mrs. A. Van Bean, soprano; 9:15, instrumental music; 9:45, Travelers male quartet; 10:30, Hotel Bond dance orchestra.

Central Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 8:30-10:30 p. m., Bohemian program, Stanley Kojer; 12-2 a. m., orchestra.
KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., music; 11, old-time fiddling.
KLDS, Independence, Mo. (440.9m-680kc), 8 p. m., studio program, August Zander, basso; George Howerton, organist; Elsie Vaughn, violinist; Louis Downie, tenor; Violet Clausen, pianist and reader.
KMOX, St. Louis, Mo. (280.2m-1070kc), 6 p. m., Arthur L. Utt, organist; 6:30, Mrs. Jacques Landres, organist; 7, orchestra; Lela Bunte, contralto; 8, Edward Goessling, baritone; orchestra; 9, orchestra; 10, popular dance hour.
KOIL, Council Bluffs, Iowa (277.6m-1080kc), 6:05 p. m., "Y" Pioneer Radio club; 6:30, McCorry's music period, Leo Kearse; 7:15, Tattle Tales; 7:30, paramount program; 11, Big Pow-Wow, Randall's Fontenelle orchestra.
KPRC, Houston, Texas (296.9m-1010kc), 7:30 p. m., Bible class; 8, pipe organ, Mrs. Vivian G. Buchanan; 8:30, Frank Tilton, blind boy pianist; 10, Phantoms; 11, Vaughan's Virginians.
KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., Grand Central theater; 9, Easter cantata, First Christian church.
KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9-9:30 p. m., classics; 9:30-10, Hatfield County singers; 10-10:30, Ouchita college orchestra; 10:30-11, dance music.
KYW, Chicago, Ill. (535.4m-560kc), 6:30-7 p. m., Congress hotel dinner music; 7:30-9, home-lovers' hour; 9-10, Congress hotel studio; 11-12, Congress carnival.
WAMD, Minneapolis, Minn. (243.8m-1230kc), 6:15 p. m., dinner concert, Radisson hotel orchestra; 7:10, popular musical program, Harmony Twins, Fred Roble, Bob Melcher, orchestra.
WBAP, Fort Worth, Texas (475.9m-630kc), 6 p. m., dinner music; 9, Hired Hands Little symphony.

Sopranos can learn the limitations of the microphone and sing only those selections which will reproduce well. Among the intelligent sopranos of the Pacific Coast is Elsa Lee Wilson. Fans always applaud her when she visits KHJ.

WBBM, Chicago, Ill. (225.4m-1330kc), 8-9:30 p. m., Alemite orchestra; Barber Shop quartet; 9-9:15, old-fashioned songs; 9:30-11, Wm. E. Anderson, guitarist; 11-2, Barber Shop quartet; Two Jays, Charlie Garland; Ariston trio; 11-11:15, war songs.
WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6:15 p. m., Emmet Long's Golden Pheasant concert orchestra; 8:15, musical program; 10:05, dance program, Wallie Erickson's Coliseum orchestra.

High Lights of the Week

TOLLING of bells, booming of guns, crashing of thunder and yelling of mobs will make "America," the historical pageant given by WOAW in celebration of a fourth anniversary Saturday, an event in Radio. The pageant includes twenty-three episodes, taking the listeners from Columbus through the world war. An event which will interest the animal lover is the talk by Ernest Thompson Seton scheduled at WTIC.

Radio may now be classed with Easter bunnies, colored eggs and the more serious traditions of this season of the year. Easter sunrise services will be broadcast by two Los Angeles stations, KHJ and KFI. Easter Pontifical high mass may be heard by tuning in for KSD at 11 a. m. Central time. Special music will be broadcast during the regular Radio services. Among the special programs are the Philharmonic orchestra concert at WDAF, the Apollo male quartet at KYW and the Atwater Kent program given this Sunday by Albert Stoessel and the New York oratorio over the WEAF chain.

"Ain't Nature Grand!" Fans will find out for themselves if they tune in for WOOD, Grand Rapids, Monday evening. Prominent artists of this city are appearing in the presentation. KTHS serenades Latin America with a Spanish program this same evening.

Norrine Gibbons and her Girl Friend is a team which is rapidly becoming one of the favorite features of the Tuesday evening programs of WLW, Cincinnati. These artists appear at 6 p. m. Central time. Miss Gibbons sings the latest popular songs.

Just an old-fashioned concert given in an old-fashioned way is the entertainment planned by the Operatic quartet for Wednesday evening at WBZ. The talk to be given by the head of Wellesley college at WEEI will attract Wellesley alumnae. President Ellen Fitz is looking forward with pleasure to meeting Wellesley graduates over the air.

Pat Barnes, announcer of WHT, was famous before he went into Radio work for his appearance in his own vaudeville skit "A Buck on Leave." In answer to many requests from fans he will give a Radio version of it Thursday. Eighty voices will be heard over the microphone. Ex-service men will find this production reminiscent of French experiences.

"A Little More of Everything" including their Cockney monologuist and Russian bass will be given by the Radio Raiders when they return for a second appearance at CNRT, Toronto, Friday. These airy highwaymen have found they can enter any home regardless of locks or bolts. Their gay voices will steal forth from a million or so loud speakers.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., organ music; Trianon ensemble; 11:45-1 a. m., frolic.
WEBH, Chicago, Ill. (370.2m-810kc), 7-8 p. m., Oriole orchestra; Sunday school lesson; string trio; Howard Neumiller, pianist; 9-9:15, news; 9:15-10, Oriole orchestra; James Murray, tenor; marimba band; 11, Oriole orchestra; 12, James Murray, tenor; 1 a. m., Frank Greif, songs; 2, trombone duo.
WGN, Chicago, Ill. (302.8m-990kc), 6:30-6:45 p. m., Drake concert ensemble, Blackstone string quintet; 6:45-6:55, old-time favorites; 6:55-7, "The Million Sing"; 8-8:10, Auld Sandy; 8:10-8:30, Drake concert ensemble, Blackstone string quintet; 8:30-9:30, light opera quartet; 9:30-10, Hawaiian music; 10, Sam 'n' Henry; 10:10, old-time favorites; 10:20, play shop; 10:40-11, studio ensemble.
WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., Arthur Findling, baritone.
WHT, Chicago, Ill. (399.8m-750kc), 6 p. m., classical program; Al Carney, organist; Grayling's string trio; W. A. Dyckman, basso; Leola Aikman, soprano; Hugh Aspinwall, tenor; (238m-1260kc) 7:45-9:15, musical features, Cinderella cafe orchestra; (399.8m-750kc) 9:30, Kitchen Klenzer program; 9:50, symphony; 10:30, Cinderella cafe orchestra; 12, Your Hour league, Pat Barnes and Al Carney.
WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., dinner concert; Marie Fay, soprano; George Hancher, baritone; Henry Corbin, baritone; WIBO string trio.
WJJD, Mooseheart, Ill. (370.2m-810kc), 12-1 p. m., Palmer House symphonic players; Palmer House trio; 2-3, Howard L. Peterson, organist; 4-5, Palmer House quintet; 5:30-7, dinner hour; 8-9, Palmer House Victorians; 10-11, Palmer House Victorians; 12-1 a. m., Palmer House Victorians; Jack Nelson.
WKRC, Cincinnati, Ohio (422.3m-710kc), 10 p. m., Ace Brigode and his Virginians; 10:30, studio features; 11, Sam Jones, mouth harp, guitarist; 11:15, Ace Brigode and his Virginians.
WLIB, Chicago, Ill. (302.8m-990kc), 7:30-8 p. m., musical program; 11-11:20, Correll and Gosden; 11:20-1 a. m., studio ensemble, dance music, harmony duos.
WLS, Chicago, Ill. (344.6m-870kc), 7:15-12 midnight, barn dance, WLS Twin Wheeze, Maurie Sherman's College Inn orchestra.
WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., Johanna Grosse, organist; 7:30, meeting of Secatary Hawkins Radio club; 8, Preble County Fiddlers; 8:30, Sixth episode "A Step On the Stairs"; 9, dance program, Castle farm.
WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Hotel LaSalle orchestra; 8, Daw and Pratt; 9, Chicago theater revue.
WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon ensemeble; Preston Graves, pianist; 9-11, Trianon orchestra; Eugene Plotnik; Alice O'Brien, pianist.
WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., musicale, William Newton, director.
WOAW, Omaha, Nebr. (526m-570kc), 6:15 p. m., Herb Feierman and his orchestra; 8, "A Step On the Stairs"; 9, program, Clinton R. Miller, director; 10:30, Frank Hodek and his Nightingale orchestra.
WOC, Davenport, Iowa (483.6m-620kc), 9-10 p. m., Oak Street Baptist church choir; Jack Little; 11-12, LeClaire hotel orchestra; Jack Little.
WOK, Chicago, Ill. (217.3m-1380kc), 7 p. m., Capitol theater organ; Howard Will, tenor; 10-1 a. m., Tearney's Town Club orchestra; Carl Lorraine's Pershing Palace orchestra; Husk O'Hare's Cocoanut Grove orchestra; Capitol theater program.
WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9-10 p. m., Elizabeth Barker Van Campen hour of music; 10-12, Roy Clark, P. R. Jeffrey, Harold DeWindt, Paul Witte.
WORD, Batavia, Ill. (275m-1090kc), 7 p. m., Webster hotel concert.
WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Gardens concert orchestra; Clarence Claasen, tenor; Marjory Worthington, soprano; 10:30-3 a. m., Little Skylarks; Everett George Opie, character reader; Rose Vanderbosch, soprano-pianist; Clarence Theders, tenor, character songs, Joe Warner; West Brothers, Hawaiian guitarists.
WRR, Dallas, Texas (245.8m-1220kc), 6-7 p. m., Jack Gardner's orchestra; 8-9, A. Harris and company; 12-1 a. m., George Perfect, organist.
WSAI, Cincinnati, Ohio (325.9m-920kc), 7 p. m., Frank Wright, composer; 7:50, chimes; 8:15, Bicycle playing card sextet; 12, Freda Sanker's orchestra.
WSB, Atlanta, Ga. (428.3m-700kc), 6 p. m., Sunday school lesson; 8, Atlanta Atwater Kent hour; 10:45, Rogers Red Head club.
WSM, Nashville, Tenn. (282.8m-1060kc), 6:30 p. m., Francis Craig's orchestra; 8, barn dance.
WSMB, New Orleans, La. (319m-940kc), 8:30-10:30 p. m., Eugene Wehrman Schaffner and artists.

Mountain Time Stations

KFWA, Ogden, Utah (260.7m-1150kc), 9-10 p. m., Olie Reeves and his orchestra; 10-11, Merry Mad Music Makers; 11-12, Olie Reeves and his orchestra.
KFXF, Colorado Springs, Colo. (250m-1200kc), 9 p. m., Hammond's Cottage City orchestra.
KOA, Denver, Colo. (322.4m-930kc), 10:15 p. m., dance program, Scheuerman's Colorado orchestra.

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-640kc), 6:30 p. m., vest pocket program; 7-8, Al Wesson's dance orchestra; 8-9, Angelus string trio; Virginia Flohri, soloist; 9-10, All-American Hawaiian quartet; 10, KFI Midnight Frolic.
KFOA, Seattle, Wash. (454.3m-660kc), 7-8 p. m., musical program; 8:15-9:30, all-artist program; 9:30-11, Jackie Souder's Club Lido serenaders.
KFON, Long Beach, Calif. (232.4m-1280kc), 6-6:30 p. m., Brayton's theater organ; 7-7:30, studio program, 7:30-9, Long Beach Municipal band; 9-11, KFON artists' frolic; 11-12 midnight, State theater organ recital.
KFWB, Hollywood, Calif. (252m-1190kc), 8-9 p. m., Ray Bailey's string trio, Eunice Wynn, soprano; Jacke Goode, tenor; Bob Morhardt and Alex Squadrillo; 9-11, Oakland Six dance orchestra.
KGO, Oakland, Calif. (361.2m-830kc), 8:10 p. m., Western string quartet; 9:45, "A Step On the Stairs"; 10-12 midnight, dance music.
KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., concert; 8-9, Radio debate, University of Oregon vs. University of Southern California; 9-12, Indian grill.
KHJ, Los Angeles, Calif. (405.2m-740kc), 8-10 p. m., program, Motor Transit company.
KJR, Seattle, Wash. (384.4m-780kc), 8:30-10 p. m., studio program.
KMTR, Hollywood, Calif. (238m-1260kc), 6-7 p. m., Starr Piano company studio; 8-10, KMTR concert orchestra, Loren Powell, directing; Ralina Zarova, Russian soprano.
KNX, Hollywood, Calif. (336.9m-890kc), 6:30-7 p. m., Atwater Kent orchestra; 7:30-8, studio program; 8-9, program, John A. Vaughn corporation; 9-10, program, W. W. Rainey organization; 10-11, Ray West's Cocoanut Grove dance orchestra; 11-2 a. m., Filmland frolic.
KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7:20 p. m., States Restaurant orchestra; 8-11, Fairmont hotel dance orchestra; 11-12, Henry Halstead's orchestra.
KPSN, Pasadena, Calif. (315.6m-950kc), 8-9 p. m., Star-News concert hour; 9-10, dance orchestra.

Sunday, April 4

Headliners Today

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.

WBAP (475.9m-630kc) Sacred concert.
7:20 6:20 5:20 4:20
WEAF (491.5m-610kc), WEEI, WCAP, WJAR, WTAG, WCAE, WWJ, Capitol family.
9 8 7 6
WCBD (344.6m-870kc) Special Easter program.

WOAW STAGES HISTORICAL PAGEANT

Sunday, April 4

Eastern	Central	Mountain	Pacific
9:15 p. m.	8:15 p. m.	7:15 p. m.	6:15 p. m.

WEAF (491.5m-610kc), WEEI, WCAP, WOO, WJAR, WGR, WCAE, WSAI, WWJ, WOC, WCCO, WGN, WEAR, KSD, WTAG, Atwater Kent program.

9:30	8:30	7:30	6:30

WLW (422.3m-710kc) Concert.

10	9	8	7

KMOX (280.2m-1070kc) Skouras Sunday night club.

10:15	9:15	8:15	7:15

WCAU (277.6m-1080kc) American Radio hour.

10:30	9:30	8:30	7:30

KPRC (296.9m-1010kc) Houston Municipal orchestra.
KTHS (374.8m-800kc) Sacred concert.
KYW (535.4m-560kc) Classical concert.

11	10	9	8

KFI (467m-640kc) Aeolian organ.
WOC (483.6m-620kc) Glee Club.

Sunday, silent night for: CFAC, CHIC, CKAC, CKNC, CNRA, CNRC, CNRE, CNRM, CNRO, CNRR, CNRT, CNRV, CNRW, KFAB, KFAU, KFOA, KFWA, KFXF, KLX, KMA, KMTR, KOAC, KOB, KOWW, KSAC, KSO, KWSC, WABQ, WAHG, WAIU, WCAU, WDAF, WEAO, WEBJ, WEBW, WFI, WGBF, WGHB, WGHP, WHAS, WHAZ, WIP, WJAZ, WJJD, WJR, WKAF, WKAR, WMAQ, WMAZ, WMC, WNYC, WOI, WOOD, WRC, WRVA, WSB, WSM, WTAM.

Eastern Time Stations

CKAC, Montreal, Can. (410.7m-730kc), 2:45 p. m., Capitol theater symphony.

CKCL, Toronto, Can. (357m-840kc), 3-4 p. m., Hope United church; 4-4:45, men's services.

KDKA, Pittsburgh, Pa. (309.1m-970kc), 11 a. m., services; 4 p. m., Dr. Charles Heinroth, organist; 4:45, Shadyside Presbyterian church; 6:30, dinner concert 7:15, Calvary Episcopal church chimes; 7:45, services.

WAIU, Columbus, Ohio (293.9m-1020kc), 3-4 p. m., Special Easter program.

WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., WBAL concert orchestra; John Wilbourn, tenor.

WBBR, New York, N. Y. (272.6m-1100kc), 10 a. m., Watchtower trio; 10:35, L. Marion Brown, soprano, trio; I. B. S. A. choral singers; 2 p. m., Watchtower orchestra, L. Marion Brown, soprano; 3:40, orchestra; 9, instrumental duets; 10, instrumental selections.

WBZ, Springfield, Mass. (333.1m-900kc), 10:50 a. m., Trinity church; 6 p. m., Ary Dulfer, violinist; Alexander Blackman, violaist; George Brown, cellist; Hans Ebell, pianist; 7, Copley Plaza orchestra; 6, talk, Rev. John Herman Randall.

WCAE, Pittsburgh, Pa. (461.3m-650kc), 4 p. m., WEAF; 6:30, William Penn hotel; 7:20, Capitol theater gang; 9:15, WEAF.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 5:15 p. m., Undenominational church services, Rev. John W. Stockwell; 5:25, talk, "Why Are These Books so Worth While," Rev. John W. Stockwell; 5:35, recital; 5:45, "The Hidden Host," Rev. John W. Stockwell; 6:45, Clarence Seaman and his Pennsylvania orchestra; 7:45, Cathay Garden orchestra; 8:30, Barry O'Moore and the Bonwit Teller ensemble; 10:15, American Radio hour.

WEAF, New York, N. Y. (491.5m-610kc), 2 p. m., Sunday Radio services under auspices of Greater New York Federation of Churches; 3, young people's conference; 4, men's conference, Y. M. C. A., WEEI, WTAG, WCAE, WSAI; 5:30, Easter program; 6, George Barrere's little symphony orchestra, WJAR, 7, chamber musicale, WJAR; 7:20, Capitol theater, 9:15-10:15, Atwater Kent Radio hour, WEEI, WCAP, WJAR, WGR, WCAE, WSAI, WWJ, WOC, WCCO, WGN, WEAR, KSD, WTAG, WOO.

WEEI, Boston, Mass. (348.6m-860kc), 10:50 a. m., Old South church; 2 p. m., Sager's hour of hospitality; 3, organ recital; 4, WEAF; 5:30, Ecker concert group; 6, Jordan Marsh's Sparkling Diamonds; 7:20, WEAF, 9:15, WEAF.

WFI, Philadelphia, Pa. (394.5m-760kc), 4:30 p. m., chapel services, Dr. Pohlman, speaker.

WGBS, New York, N. Y. (315.6m-950kc), 9:30 p. m., special Easter program.

WGR, Buffalo, N. Y. (319m-940kc), 10:45 a. m., Westminster Presbyterian church; 7:45, Central Presbyterian church; 9:15, WEAF.

WGY, Schenectady, N. Y. (379.5m-790kc), 11 a. m., St. Peter's Episcopal church; 3 p. m., WFBL; 4, St. Peter's Episcopal church; 8, WJZ.

WHN, New York, N. Y. (361.2m-380kc), 11:30-12:30 p. m., Calvary morning services; 12:30-1, Lexington organ recital; 2-3, Queens County Christian Endeavor program; 3-4:30, Radio Bible class; 5-5:30, Roseland dance orchestra; 7:30-9:45, Calvary evening services; 10:15-10:45, Anatol Friedland; 10:45-11:15, Janssen's Hofbrau Haus orchestra; 12-12:30 a. m., Harry Richman and entertainers.

WIP, Philadelphia, Pa. (508.2m-590kc), 10:45 a. m., Holy Trinity church.

WJZ, New York, N. Y. (454.3m-660kc), 7 p. m., Hotel Pennsylvania concert orchestra; 8, Bakelite hour, WGY, 9, Hotel Commodore concert orchestra, WGY; 10, Godfrey Ludlow, violinist, WGY.

WLIT, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Benjamin Franklin hotel organ recital; 7, Benjamin Franklin hotel concert orchestra.

WMAK, Buffalo, N. Y. (265.3m-1130kc), 10:25 a. m., First Presbyterian church; 7:30, Churchill Tabernacle.

WMCA, New York, N. Y. (340.7m-880kc), 11 a. m., First Church of Christ, Scientist; 3:30 p. m., Donald Flamm's Frolickers; 5:30, Hal and Frix; 6, Roemer's Romers; 7, Ernie Golden and Hotel McAlpin orchestra; 7:30, Olcott Vail and Hotel McAlpin string ensemble; 8:30, Church of Ascension choir; 9:30, Parody orchestra; 10:15, McAlpin news editor; 10:30, Twin Oaks orchestra; 10:45, Arthur West's Sirens.

WNYC, New York, N. Y. (526m-570kc), 8 p. m., special musical program.

WOO, Philadelphia, Pa. (508.2m-590kc), 2:30 p. m., musical exercises, Bethany Sunday school; 6, organ recital; 7:30, services, Bethany Presbyterian church; 9:15, WEAF.

WPG, Atlantic City, N. J. (299.8m-1000kc), 3:15 p. m., organ recital, Arthur Brook; Ethel Dobson, coloratura soprano; 4:15, community vocal and instrumental recital, Easter music; 9:15, Giovanni Martinelli, tenor; concert orchestra; 10:15, Passion and Easter music from Handel's "Messiah"; Arthur Brook, organist, choir.

WTAG, Worcester, Mass. (267.7m-1120kc), 4-5:30 p. m., WEAF; 7:20-9:15, WEAF; 9:15-10:15, WEAF.

WTIC, Hartford, Conn. (475.9m-630kc), 9 p. m., Travelers symphonic ensemble.

WWJ, Detroit, Mich. (352.7m-850kc), 10 a. m., St. Paul's Episcopal cathedral; 2 p. m., orchestra; 4, organ; 7:20-10:15, WEAF.

Central Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 4-5 p. m., vesper; 9-11, musicale.

KFNF, Shenandoah, Iowa (263m-1140kc), 10:45 a. m., First M. E. church; 3 p. m., Baptist church; 6:30, Golden Rule Circle; 7:30, Christian church services.

KFRU, Columbia, Mo. (399.8m-750kc), 7:30 a. m., services; 9:30, Burrall Bible class; 7:30 p. m., Columbia Baptist church.

KLDS, Independence, Mo. (440.9m-680kc), 11 a. m., Easter service; Mothers' quartet; Nina Smith, soprano; instrumental trio; choir; male quartet; Robert Miller, organist; Pauline James, soprano; George Anway, tenor; 6:30 p. m., services, quartet; vocal program; Wesley Brocaw, saxophonist; 9:15, services, Robert Miller, organist; double quartet; Ina Hattic, soprano.

KMOX, St. Louis, Mo. (280.2m-1070kc), 9 p. m., popular entertainment, Skouras Sunday night club.

KOIL, Council Bluffs, Iowa (277.6m-1080kc), 11 a. m., First Congregational church; 4 p. m., Louis Armstrong, pianist; 7:30, Easter service; 11, Hotsy Totsy hour.

KPRC, Houston, Texas (296.9m-1010kc), 10:55 a. m., First Church of Christ, Scientist; 7:30, South End Christian church; 9:30, Houston municipal orchestra.

KSD, St. Louis, Mo. (545.1m-550kc), 11 a. m., High mass, New St. Louis cathedral; 6:15, WEAF; 8:15, WEAF.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 5:52 a. m., Easter services; 11-12:15 p. m., First Baptist church; 9-9:30, New Arlington hotel; 9:30-10, choir, St. Luke's Episcopal church; 10-10:10, Phantom voice; 10:10-11:30, Radio train; 11:30-12:30 a. m., Lawson Reid, organist.

KYW, Chicago, Ill. (535.4m-560kc), 11 a. m., Central church services; 2:30 p. m., chapel service; 4:30, Edwin A. Harper, director; 7, Chicago Sunday Evening club, Dean Charles R. Brown, speaker; 9:30-11, Edison program.

WAMD, Minneapolis, Minn. (243.8m-1230kc), 10:30 a. m., First Unitarian church; 3 p. m., popular musicale; 6:15, Radisson hotel concert orchestra; 6:45, Arthur Faust, Leome Faust stock company; 9:30, Gayle Wood, pianist.

WBAP, Fort Worth, Texas (475.9m-630kc), 11 a. m., First Presbyterian church; 5-6 p. m., Baptist seminary; 9:30-11, Chief Gonzales' Texas hotel orchestra.

WBBM, Chicago, Ill. (225.4m-1330kc), 4-6 p. m., Sunday matinee; 8-10, Alemite orchestra; Pauline Stiffler Atlass, violinist; 9-9:15, old-time song period; 12-2, Nutty club.

WCBD, Zion, Ill. (344.6m-870kc), 8 p. m., Special Easter program, mixed quartet, cantata; Hire trio, Richard Hire, violinist; P. Newcomer, cornetist; Messrs. Newcomer and Stewart, duettists; Mrs. Thomas, soprano; M. Barton, tenor; Lois Wiedman, reader, Marion Priddy, pianist.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 10:50 a. m., Westminster Presbyterian church; 3 p. m., Bible study; 4:10, House of Hope Presbyterian church, 6:20, Second Church of Christ, Scientist; 8:15, WEAF.

WDAF, Kansas City, Mo. (365.6m-820kc), 3-4 p. m., Philharmonic orchestra; 4-4:45, Vespers.

WEBH, Chicago, Ill. (370.2m-810kc), 10:40-12 noon, Seventh Church of Christ, Scientist; 5-6 p. m., Oriole orchestra; Ebeneezer Lutheran choir; 7-9, news; Oriole orchestra; artists.

WEMC, Berrien Springs, Mich. (285.5m-1050kc), 11 a. m., organ, Lighthouse choir; Cardinal string quintet; 11:50, A. Fellows, soprano; 8:15 p. m., Lighthouse choir, Cardinal string quintet; 9:05, Martha Hutchison, soprano.

WGBF, Evansville, Ind. (236.1m-1270kc), 6:30 a. m., St. Lucas church; 10:30, St. Lucas church.

WGN, Chicago, Ill. (302.8m-990kc), 6:30-6:45 p. m., musical program; 6:45, old-time favorites; 6:55, "The Million Sing"; 7-8:15, Drake concert ensemble, Blackstone string quintet; 8:15, WEAF; 9:15, old-time music room; 10, Sam 'n' Henry; 10:10, old-time favorites; 10:20-11, musical program, ensemble; Charlie Straight's Rendezvous orchestra.

WHAS, Louisville, Ky. (399.8m-750kc), 10 a. m., Fourth Avenue Presbyterian church; 4:30-5:30 p. m., Christ church cathedral.

WHB, Kansas City, Mo. (365.6m-820kc), 9:40-10:45 a. m., Linwood Boulevard Christian church; Mrs. F. Bishop, organist; Nora Moss, contralto; 11:15-12:30 p. m., Independence Boulevard Christian church; Hans Feil, organist; 8-9, special Easter evening services, 11:45-1 a. m., Linwood theater feature, Morrill Moore, organist; Don Anchors, poet.

WHO, Des Moines, Iowa (526m-570kc), 11 a. m., St. Paul's Episcopal church service; 4 p. m., Men's Glee club; 7:30-8:15, Bankers Life trio; Stewart Watson, baritone; Myrtle Williams, soprano; 11-12 midnight Banker's Life Little symphony orchestra.

WHT, Chicago, Ill. (399.8m-750kc), 12-11:30 p. m., Paul Rader.

WIBO, Chicago, Ill. (225.4m-1330kc), 2-4 p. m., concert, Easter program, faculty of Uptown Conservatory of Music; 6-8, dinner concert, string trio; Ruth Ford, contralto; Robert Wessling, baritone; Helen Snyder, soprano; Bob York, tenor; 10-12, popular program, Marie Tully, songs; Wayne Myers, monologist; vocal numbers; Melody Three.

WJJD, Mooseheart, Ill. (370.2m-810kc), 7:45 a. m., Catholic services; 9:40-10:30, Protestant services; 3 p. m., Mooseheart Sunday concert.

WKRC, Cincinnati, Ohio (422.3m-710kc), 6:45 p. m., Walnut Hills Christian church, sacred music; 10, classical program, vocal and instrumental selections; 11:15, dance program.

WLIB, Chicago, Ill. (302.8m-990kc), 5-6:30 p. m., chamber music.

WLW, Cincinnati, Ohio (422.3m-710kc), 9:30 a. m., Sunday school; 11, Presbyterian church; 4 p. m., special Easter music; 5, organ recital, Mathew Horen, 7:30, First Presbyterian church; 8:30, concret, H. and S. Pogue company.

WMBB, Chicago, Ill. (249.9m-1200kc), 3-5 p. m., matinee program; 7:40-9, Fifth Church of Christ, Scientist; 9-11, Sunday night frolic.

WOAW, Omaha, Nebr. (526m-570kc), 9 a. m., chapel service, Rev. R. R. Brown; 1:30 p. m., classical; 9, First Presbyterian church.

WOC, Davenport, Iowa (483.6m-620kc), 1-2:30 p. m., Palmer little symphony; Paul Vipperman, tenor; 6:30-7, services; 8:15-9:15, Atwater Kent artists; 10-11:30, Palmer little symphony, Erwin Swindell; Shuntleff college glee club.

WOK, Chicago, Ill. (217.3m-1380kc), 6 p. m.-1 a. m., Tearney's Town Club orchestra; Carl Lorraine's Pershing Palace orchestra; Husk O'Hare's Cocoanut Grove orchestra; Capitol theater musical program; program; 1-2, Tearney's Town Club orchestra; Carl Lorraine's Pershing Palace orchestra; Husk O'Hare's Cocoanut Grove orchestra; program.

WORD, Batavia, Ill. (275m-1090kc), 10 a. m., Golden Age Sunday school class; 2 p. m., Bible lecture, G. A. Hall; 2:30, Chicago Rapid Transit company program, 6, I. B. S. A. quartet; 9:30, I. B. S. A. service.

WQJ, Chicago, Ill. (447.5m-670kc), 10-12 noon, People's church; choir, Clarence Eddy, organist; 3-4 p. m., concert; Easter Day program; Lena Kirk, soprano; Kenneth Sterling, baritone; Leo Miller, violinist; Milton Sherman, pianist; 8-10, concert; Ralph Williams and his Rainbo Gardens orchestra; Margaret Cade, coloratura soprano; Madeline Ruff, pianist; Jean St. Anne, baritone; Otto Moore, baritone; Sheppard Levine, tenor; John Zwick, pianist.

WRR, Dallas, Texas (245.8m-1220kc), 10:45 a. m., First Baptist church; 7:30 p. m., Church of Christ; 9-10, musicale.

WSAI, Cincinnati, Ohio (325.9m-920kc), 3-4:30 p. m., WEAF; 7:45, chimes; 8, sermonette; 8:15, WEAF.

WSB, Atlanta, Ga. (428.3m-700kc), 5 p. m., East Point Baptist church choir; 7:30, Wesley Memorial Methodist church service.

WSM, Nashville, Tenn. (282.8m-1060kc), 10:30 a. m., First Presbyterian church.

WSUI, Iowa City, Iowa (483.6m-620kc), 7:30 p. m., Celeste Fuhrmann, soprano; Zita Fuhrmann, pianist.

Mountain Time Stations

CFAC, Calgary, Can. (435.8m-688kc), 7:30 p. m., St. Stephen's church.

KFXF, Colorado Springs, Colo. (250m-1200kc), 11 a. m., First Presbyterian church; 4:30, Vespers; 7:30, First Methodist church.

KOA, Denver, Colo. (322.4m-930kc), 10:45 a. m., Central Presbyterian church; 3 p. m., organ recital, Clarence Reynolds; 7:45, Central Presbyterian church.

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-640kc), 4:30 a. m., Aeolian organ sunrise services; 5 a. m., church choir sunrise services; 6, sacred music; 7-10, Easter music; 10, L. A. Church Federation service; 11, service, Third Church of Christ, Scientist; 12-1 p. m., Noonday music; 1, Angelus trio; 2-5, Hayden's Creation, Virginia Flohri, soprano, Robert Hurd, tenor; Beverly Hills Community church choir, Louise Klos, harpist and others; 5-6, vesper hour; 6-6:30, program arranged by Robert Hurd; 7-7:30, Synchrophase string ensemble; 7:30-8, Jim, Jack and Jean trio; 8-9, Aeolian organ; 9-10, hour of the classics; 10-11, Packard Six dance orchestra; 11-12 midnight, popular program.

KFON, Long Beach, Calif. (232.4m-1280kc), 2:30-4 p. m., Long Beach municipal band; 7:45-9, First Church of Christ, Scientist; 9-10, Burt Pedersen's dance orchestra; 10-12, Helene Smith, pianist; Freddy Carter.

KFWB, Hollywood, Calif. (252m-1190kc), 9-11 p. m., Warner Brothers Sunday night movie frolic.

KGO, Oakland, Calif. (361.2m-830kc), 11 a. m., Calvary Presbyterian church; 3:30 p. m., KGO Little symphony; 7:30, Calvary Presbyterian church.

KGW, Portland, Ore. (491.5m-610kc), 10:55-12 noon, Church of Our Father (Unitarian); 7:30-9 p. m., East Side Baptist church; 9-10, concert, Chevrolet symphony orchestra.

KHJ, Los Angeles, Calif. (405.2m-740kc), 4-5 p. m., Masonic service; 7-8, First Methodist Episcopal church service; 8-10, program, Artland club.

KJR, Seattle, Wash. (384.4m-780kc), 11-12:30 p. m., services, First M. E. church; 5-6, Spargur string quartet; 7:15-7:30, organ recital, Mrs. Montgomery Lynch; 7:30-9, First M. E. church; 9-10:30, orchestra.

KNX, Hollywood, Calif. (336.9m-890kc), 12:45-1:45 p. m., Paul Finstein's string quartet; 2-4, City Park Board program from Westlake Park; 4:30-5, Cinema chit-chat, Helene Sullivan; 6:30-7, Unitarian church service; 8-9, First Presbyterian church of Hollywood, 9-10:30, program, Beverly Hills nurseries.

KPO, San Francisco, Calif. (428.3m-700kc), 5-6 p. m., Marshall W. Gisel...n, organist; 6-6:30, States Restaurant orchestra; 6:35-8:35, Palace hotel concert orchestra; 8:35-10, Rudy Seiger's Fairmont hotel orchestra; 10-12, Henry Halstead's orchestra.

KPSN, Pasadena, Calif. (315.6m-950kc), 8:45-9:45 p. m., concert, Maryland artists' ensemble.

KTAB, Oakland, Calif. (239.9m-1250kc), 9:45 a. m., Bible lecture; 11, service; 7:45, service; 9:30-11, service.

EDUCATIONAL FEATURES

Monday, April 5

Eastern	Central	Mountain	Pacific
6:30 p. m.	5:30 p. m.	4:30 p. m.	3:30 p. m.

WNYC (526m-570kc) German lessons, V. H. Berlitz.

7	6	5	4

WEAF (491.5m-610kc) Columbia university lecture.

8:15	7:15	6:15	5:15

KDKA (309.1m-970kc) "University of Pittsburgh.

8:30	7:30	6:30	5:30

WSUI (483.6m-620kc) College of the Air.

9:30	8:30	7:30	6:30

WHAZ (379.5m-790kc) Address, Prof. J. G. Fairchild.

9:35	8:35	7:35	6:35

KSL (299.8m-1000kc) English composition, Prof. H. G. Richards.

10	9	8	7

KOA (322.4m-930kc) Spanish lesson.

11	10	9	8

KOA (322.4m-930kc) Voice culture.

12:30 a. m.	11:30	10:30	9:30

KGO (361.2m-830kc) Speech improvement, Mabel S. Gifford.

Tuesday, April 6

Eastern	Central	Mountain	Pacific
7 p. m.	6 p. m.	5 p. m.	4 p. m.

WKAR (285.5m-1050kc) Nature study.

7:10	6:10	5:10	4:10

WRC (468.5m-640kc) Radio school of international relations.

7:30	6:30	5:30	4:30

WBZ (333.1m-900kc) Journalism, Edward E. Whiting.
WGY (379.5m-790kc) "How Old Is the Earth?" Prof. E. S. C. Smith.

8:15	7:15	6:15	5:15

KDKA (309.1m-970kc) "Who Goes to College," Dr. F. L. Bishop.
WGBF (236.1m-1270kc) Radio drawing.

8:50	7:50	6:50	5:50

WLW (422.3m-710kc) "Athletics," Wm. A. Schmidt, Jr.

10	9	8	7

WMAQ (447.5m-670kc) lecture, University of Chicago.

Wednesday, April 7

Eastern	Central	Mountain	Pacific
6:30 p. m.	5:30 p. m.	4:30 p. m.	3:30 p. m.

WNYC (526m-570kc) Spanish lesson, V. H. Berlitz.

7:30	6:30	5:30	4:30

WMCA (340.7m-880kc) Spanish lesson.

7:45	6:45	5:45	4:45

WJZ (454.3m-660kc) New York University.

Eastern	Central	Mountain	Pacific
8:15 p. m.	7:15 p. m.	6:15 p. m.	5:15 p. m.

WJZ (454.3m-660kc) Zoological society series.

8:30	7:30	6:30	5:30

WSUI (483.6m-620kc) College of the Air.

9	8	7	6

WMAQ (447.5m-670kc) lecture, Northwestern university.

10:30	9:30	8:30	7:30

KHJ (405.2m-740kc) Astronomy, Dr. Mars Baumgardt.

11	10	9	8

WSAI (325.9m-920kc) U. of Cincinnati.

Thursday, April 8

Eastern	Central	Mountain	Pacific
7 p. m.	6 p. m.	5 p. m.	4 p. m.

WKAR (285.5m-1050kc) Nature Study series.

8:30	7:30	6:30	5:30

WLW (422.3m-710kc) "Wild Animals in Captivity."
WSUI (483.6m-620kc) Correspondence courses.

9	8	7	6

KUOA (299.8m-1000kc) lectures, University Extension.

9:30	8:30	7:30	6:30

WMAQ (447.5m-670kc) lecture, University of Chicago.

Friday, April 9

Eastern	Central	Mountain	Pacific
6:30 p. m.	5:30 p. m.	4:30 p. m.	3:30 p. m.

WNYC (526m-570kc) French lesson.

7	6	5	4

WJZ (454.3m-660kc) New York university course.
WKAR (285.5m-1050kc) Nature study series.

7:30	6:30	5:30	4:30

WBZ (333.1m-900kc) Economics, Prof. Thomas N. Carver.

7:35	6:35	5:35	4:35

WGY (379.5m-790kc) French lesson, Leon A. Huguemont.

8	7	6	5

WPG (299.8m-1000kc) "Adult Education for Colored People," W. Hibbard Smith.

10	9	8	7

WMAQ (447.5m-670kc) lecture, University of Chicago.

10:15	9:15	8:15	7:15

WTIC (475.9m-630kc) Cartoon lessons, Bud Kingston.

10:30	9:30	8:30	7:30

KMTR (238m-1260kc) "Wonders of Nature," Prof. Cookman.

10:45	9:45	8:45	7:45

KOAC (280.2m-1070kc) "How Rocks Are Formed," D. C. Livingston.

Monday, April 5

Headliners Today

Eastern	Central	Mountain	Pacific
3:30 p. m.	2:30 p. m.	1:30 p. m.	12:30 p. m.

WHO (526m-570kc) "A Step On the Stairs," mystery serial.

8:30	7:30	6:30	5:30

KDKA (309.1m-970kc) Hawaiian music.
WAMD (277.6m-1080kc) "Pickles" musical comedy.
WBAP (475.9m-630kc) "A Trip on the Crimson Ltd."
WOR (405.2m-740kc) Al Reid's hour.

9	8	7	6

WDAF (365.6m-820kc) Around the town.
WTAG (267.7m-1120kc) Robin Hood hour of music.

9:30	8:30	7:30	6:30

WBZ (333.1m-900kc) Series of plays.

9:45	8:45	7:45	6:45

WHAZ (379.5m-790kc) "Kupid's Kable," one-act comedy.

10	9	8	7

KMOX (280.2m-1070kc) Operalogue.
KTHS (374.8m-800kc) Spanish Serenade.
WOOD (242m-1240kc) "Ain't Nature Grand," players.
WEAF (491.5m-610kc), WOO, WCAE, WJAR, WCAP, WTAG, Grand opera, "Carmen."

11	10	9	8

WSAI (325.9m-920kc) Community program.

Monday, silent night for: CKAC, CNRA, CNRC, CNRE, CNRM, CNRO, CNRR, CNRT, CNRV, CNRW, KFAU, KFMX, KFWA, KHJ, KLDS, KPSN, KSAC, KUOA, KYW, WBBM, WCBD, WEAO, WEBH, WEBJ, WEBW, WENR, WGBF, WGBS, WGES, WGN, WHAS, WHT, WIBO, WIP, WJAZ, WJJD, WLIB, WLS, WMAQ, WMBB, WOAI, WOC, WOK, WORD, WQJ, WRC.

Eastern Time Stations

CKNC, Toronto, Can. (356.9m-840kc), 9 p. m., Toronto Conservatory of Music; instrumental trio; Frank Blachford, violinist; Leo Smith, cellist; Alberto Guerrero, pianist; Mrs. Harry Hodgetts, soprano; Arthur Blight, baritone.

KDKA, Pittsburgh, Pa. (309.1m-970kc), 6:30 p. m., dinner concert; 8:30, Hawaiian music; 9, Ruud light opera hour.

WABQ, Haverford, Pa. (261m-1150kc), 11 p. m., Ardmore theater program.

WAHG, Richmond Hill, N. Y. (315.6m-954kc), 7:30 p. m., Boy Scouts program; 8, Synchrophase hour; 9:15, joint recital: Edna Bockstein, pianist; John von Aspe, tenor; 10:02, Cliff Ulrich and Charles Myers; 10:30, Joe Zimmerman's orchestra; 12, Queens Melody Boys.

WAIU, Columbus, Ohio (293.9m-1020kc), 8-9:30 p. m., musical program, K. of P. band, glee club.

WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., dinner orchestra; 7:30-8, Frederick D. Weaver, organist; 8-9, Margaret Fulkerson Carlon, soprano, Loyal Carlon, violinist; Clara Ascherfeld, pianist; Robert Stidman, baritone; William Miller, tenor; Helene Broemer, cellist; 9:10-10, musicale.

WBBR, New York, N. Y. (272.6m-1100kc), 8 p. m., Jubilee entertainers.

WBZ, Springfield, Mass. (333.1m-900kc), 6:30 p. m., Dave Harmond and his orchestra; 7:30, Capitol theater; 8, orchestra; 8:30, play; 9, Julia Cullinane, saxophonist; Ann Cullinane, pianist; 9:30, Arthur Clifton, organist; 10, Leo Reisman and his Hotel Brunswick orchestra; 11, Repertory theater.

WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., William Penn hotel orchestra; 8, studio concert; 9, music; 10, grand opera; 11, dance orchestra.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30 p. m., recital, N. Snellenburg and company; 8, Carolyn Thomas, soprano; Ella Jaquette Kratz, pianist; 8:30, the Hood Boys; 8:45, Enright's Gems; 9, the Merry minstrels; 9:30, Kentucky Kardinals; 10, Madrigal mixed quartet.

WEAF, New York, N. Y. (491.5m-610kc), 6 p. m., dinner music, Hotel Waldorf-Astoria; 7:20, Louis Caton, tenor; 8, Pop concert, WEAF, WOO; 9, A. and P. Gypsies, WEEI, WCAP, WWJ, WJAR, WOO, WSAI; 10, Carmen, WEAF Grand Opera company, WOO, WCAE, WJAR, WCAP, WTAG, WSAI, WTIC; 11-12, Ben Bernie and Hotel Roosevelt orchestra.

WEEI, Boston, Mass. (348.6m-860kc), 7:30 p. m., Black Iron Shiners; 8, poetic Walker; 8:15, musicale; 8:45, WEAF; 9, WEAF; 10, musicale.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra.

WGBS, New York, N. Y. (315.6m-950kc), 6:30 p. m., Premier club orchestra; 7:10, orchestra.

WGHB, Clearwater, Fla. (265.3m-1130kc), 6:30-7:30 p. m., Lakewood Terrace orchestra; 8:30-10, program, Walter M. Starks, director; 11:30-1 a. m., Ramble.

WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., Joe Armbruster's orchestra; 8:30, Russell Farnham and Ray Baum in piano and violin program; 10, descriptive piano recital, Ada C. Stettenbenz; 10:30, Jack Bishop, popular songs; 11, Vincent Lopez Hotel Statler dance orchestra, John F. Gunderman, organist.

WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., Hotel Van Curler orchestra; 7:45, Anna Fisher, soprano; Walter Griswald, violinist; Lillian Singer, pianist; Phillip Winnman, flutist; James White, trombonist.

WHAZ, Troy, N. Y. (379.5m-790kc), 9 p. m., Berkshire Industrial Farm boys; 9:45, one-act comedy, "Kupid's Kable"; 10:15, Jokeless Minstrels and entertainers, orchestra.

WHN, New York, N. Y. (361.2m-380kc), 7:30 p. m., Joe Ward's Swanee entertainers; 8:05, Roseland dance orchestra; 8:30, George's surprise; 10:30, Leroy Smith's orchestra; 11, Cotton club orchestra; 11:30, Silver Slipper orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin hotel concert orchestra; 7, Uncle Wip's bedtime stories; dancing lesson, Miller Conservatory of Dancing.

WJZ, New York, N. Y. (455m-660kc), 7 p. m., Hotel Commodore dinner concert; 7:55, John B. Kennedy; 8, Astor Coffee orchestra.

WLIT, Philadelphia, Pa. (394.5m-760kc), 8 p. m., recital; 9, Stanley hour of music; 10, Arcadia cafe dance orchestra; 10:30, vaudeville features, Fays Knickerbocker theater; 10:45, El Patio dance orchestra.

WMAK, Buffalo, N. Y. (265.3m-1130kc), 7:30-8:30 p. m., Murray Whiteman and his serenaders; 8:30-9, musical; 9-10, Philco hour; 10-11, dance program, Beaver Products company.

WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Olcott Vail and Hotel McAlpin string ensemble; 6:30, Ernie Golden and Hotel McAlpin orchestra; 7:30, Kurtz Karnival Kings; 11:30, Jack Denny's orchestra; 12, McAlpin entertainers; 12:15 a. m., Van and Schenck; 12:30, Parody orchestra.

WNYC, New York, N. Y. (526m-570kc), 6:20 p. m., piano numbers; 8, studio features; 9:10, orchestra.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Sylvania hotel dance orchestra; 8, WEAF; 11, Sylvania hotel dance orchestra.

WOR, Newark, N. J. (405.2m-740kc), 6:30 p. m., Jacques Jacobs' Hotel Shelton ensemble; 7:30, Copenhagen quartet; 8:30, Al Reid's hour, Branford theater; 9:30, Spanish symphony ensemble; 10:45, Hofbrau Haus orchestra; 11:15, Billy Rose's Fifth Avenue club orchestra.

WPG, Atlantic City, N. J. (299.8m-1000kc), 6:45 p. m., organ recital, Arthur Scott Brook; 7, Hotel Morton dinner music; 7:30, Elks' Home dinner dance music; 8, Easter songs; 8:40, Songs of Scotland, William

WELLESLEY HEAD TO TALK AT WBZ

Monday, April 5

Uncles, basso; Elsa Meyer, pianist; 9, Hotel Ambassador concert orchestra; 10, Hotel Traymore Grill dance orchestra; 10:30, studio program; 11, Silver Slipper Supper club, Eddie McKnight's dance orchestra.

WRVA, Richmond, Va. (256.3m-1170kc), 8:15 p. m., 183rd Regiment band; 9:15, band; 11, sign off.

WTAG, Worcester, Mass. (267.7m-1120kc), 6-7 p. m., WTAG orchestra; 8:30-9, "Broad and Long"; 9-10, Robin Hood hour of music; 10-11, WEAF.

WTIC, Hartford, Conn. (475.9m-630kc), 6:50 p. m., Hub trio; 8:30, Capitol theater orchestra; 9, Scottie Miller; 9:15, Paul Umphrey and Wilfred theater; 9:30, Hotel Bond dance orchestra; 10, WEAF; 11, Barbara Hillard, soprano, ensemble.

WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 8, Detroit News orchestra; 9, WEAF.

Central Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 8:30-10:30 p. m., Ed Ellington, pianist; Harmony boys; Cowbell boys; Little symphony orchestra.

KFRU, Columbia, Mo. (399.8m-750kc), 6:15 p. m., dinner music.

KMA, Shenandoah, Iowa (252m-1190kc), 6-7 p. m., popular music; 9-11, Farnham trio; Grady and Doc

KMOX, St. Louis, Mo. (280.2m-1070kc), 6 p. m., Arthur Utt, organist; 6:30, organ recital; 7, orchestra, boys' and girls' program; 8, First Christian church orchestra; 9, operalogue, orchestra; 10, popular dance music.

KOIL, Council Bluffs, Iowa (277.6m-1080kc), 6:05 p. m., Eric Thornton, tenor; Hugh McGann, baritone; 6:30, Original Collegians; 7:30, musical comedy, "Pickles," glee club; 9, dance program, Pat's Melody boys; 10, Clara Kurtz and her Chocolate Cake Eater; 11, Hotsy Totsy hour.

KPRC, Houston, Texas (296.9m-1010kc), 7:30 p. m., Records' Ramblers dance orchestra; 8:30, Max E. Shippee, tenor; 9, Seger Ellis, pianist.

KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., program; 9:15, Catholic Women's choral club.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9-9:45 p. m., Spanish serenade; 9:50-10, Lawson Reid, organist; 10-11, Pooley hour.

KUOA, Fayetteville, Ark. (299.8m-1000kc), 8 p. m., Mrs. C. C. Yarrington, soprano.

WAMD, Minneapolis, Minn. (243.8m-1230kc), 7 p. m., Garrick theater orchestra; 7:20, classical program; 11, Skyrocket frolic, George Osborn and his orchestra.

WBAP, Fort Worth, Texas (475.9m-630kc), 6-6:30 p. m., Texas hotel orchestra; 9:30-11, Ward's Trail Blazers; 11-12:30, Duncan-Marin dance orchestra.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6:15 p. m., St. Paul hotel concert orchestra; 8, University of Minnesota program; 9, classical concert.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., Trianon ensemble; 11:45-1 a. m., Ted Weems Victor Recording orchestra.

WEMC, Berrien Springs, Mich. (285.5m-1050kc), 8:15 p. m., Lighthouse Music Makers.

WFAA, Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m., Ford's Texas trumpeters; 8:30-9:30, Sears-Roebuck agricultural foundation program.

WHB, Kansas City, Mo. (365.6m-820kc), 7-8 p. m., Sweeney Radio orchestra, dance music.

WHO, Des Moines, Iowa (526m-570kc), 2:30 p. m., Sixth Episode, "A Step on the Stairs," mystery serial; 7:30-8, Paul Stoye, pianist; 8-9, Joseph Gifford, reader, Alex Lindblom, violinist; Myrtle Williams, soprano; 11-12, organ recital; L. Carlos Meier, organist.

WKRC, Cincinnati, Ohio (422.3m-710kc), 6 p. m., Alvin Roehr and his Hotel Alms orchestra; 8, popular program; 9, American Legion program; 12, dance music.

WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., Hotel Gibson Florentine room, Visconti; 10, Cincinnati Times-Star program, Howard Hafford, tenor.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Hotel LaSalle orchestra.

WMC, Memphis, Tenn. (499.7m-600kc), 8:45 p. m., Cortese ensemble.

WOAW, Omaha, Neb. (526m-570kc), 6:20 p. m., Frank Peterson, tenor; Helen Higgins, pianist; 6:50, Randall's Royal Fontenelle orchestra; 9, classical.

WOI, Ames, Iowa (270.1m-1110kc), 7:50 p. m., Junior high school orchestra.

WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9-10 p. m., "Ain't Nature Grand!"; 10-11, Methodist church choir; 11-1 a. m., "12th Woodpile."

WRR, Dallas, Texas (245.8m-1220kc), 6-7 p. m., Jack Gardner's orchestra; 8-9, Magnolia Petroleum band; 11-12, novelty program.

WSAI, Cincinnati, Ohio (325.9m-920kc), 8-10 p. m., WEAF; 10-12, community program.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., program, Atlanta Chamber of Commerce; 10:45, Georgia Tech band.

WSBT, South Bend, Ind. (275.1m-1090kc), 7:15 p. m., orchestra, concert.

WSM, Nashville, Tenn. (282.8m-1060kc), 6:30 p. m., Francis Craig's orchestra; 8, Mrs. William C. Hall, contralto; 10, Vito Pellettieri's orchestra.

WSUI, Iowa City, Iowa (483.6m-620kc), 9:30 p. m., Mrs. L. G. Lawyer, soprano.

Mountain Time Stations

CFAC, Calgary, Can. (435.8m-688kc), 9-10 p. m., ladies' concert trio.

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra; 8:30, KOA orchestra, staff artists; 9, voice culture; 9:30, KOA orchestra, artists; 9:40, mystery serial, "A Step On the Stairs," sixth episode.

KOB, State College, New Mexico (348.6m-860kc), 7:30-8:30 p. m., winners of the State Music contest.

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-640kc), 6:30 p. m., vest pocket program; 6:45, Raditorial period; 7-8, dance music; 8-9, varied studio program; 9-10, program, Walter M. Murphy Motors company; 10-11, popular program, Meiklejohn Brothers.

KFOA, Seattle, Wash. (454.3m-660kc), 7-8:15 p. m., Sherman Clay and company studio program; 8:30-10, Goodrich Silvertown Cord orchestra.

KFON, Long Beach, Calif. (232.4m-1280kc), 7-8 p. m., Prizma hour; 8-9, Press-Telegram studio; 9-11, KFON artists frolic; 11-12, State theater organ recital.

KFWB, Hollywood, Calif. (252m-1190kc), 7:30 p. m., Friendly Dentists orchestra; 8-9, Corduroy Tire Little symphony; Sunburnt Jim in ballads; Peggy Mathews, blues singer; 9-10, Bill Hatch's dance orchestra; 10-11, Warner Brothers frolic.

KGO, Oakland, Calif. (361.2m-830kc), 6-6:55 p. m., Amphion trio; 8, Arion trio.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-9, vocal and instrumental music; 9-10, concert.

KJR, Seattle, Wash. (384.4m-780kc), 7-8:30 p. m., Mendelssohn trio; Sears, Roebuck and company program; 8:30-10, Post Intelligencer studio program.

KMTR, Hollywood, Calif. (238m-1260kc), 6-7 p. m., Hawaiian Silver String quartet; 7:30, Y. M. C. A. musical program; 8-10, KMTR concert orchestra; 10-11, Starr Piano company studio.

KNX, Hollywood, Calif. (336.9m-890kc), 6:30-7 p. m., Atwater Kent orchestra; 7-7:30, Mutual Motors mirth contest; 7:30-8, Overell's Furniture company; 8-9, L. W. Stockwell company; 9-10, KNX feature program; 10-11, Goodrich Silvertown cord dance orchestra; 11-12, Ray West's Cocoanut Grove dance orchestra.

KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7 p. m., States Restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel orchestra; 8:10-9, Henry Halstead's orchestra; 9-10, program; 10-11, Cabiria cafe dance orchestra; 11-12, Henry Halstead's orchestra.

KTAB, Oakland, Calif. (239.9m-1250kc), 8-10 p. m., program.

KWSC, Pullman, Wash. (348.6m-860kc), 7:30-9 p. m., Almota community musicale.

The mystery play "A Step On the Stairs" is being given at WHO, Des Moines, by the Gifford players of Drake university. The actors shown above are from left to right: A. J. McKim, W. W. Van Oosten, Katherine Atkins, Willard Dullard, and Margaret Orebaugh. Bobby Griffin, at mike, announcer.

New England fans are turning the dials for WNAC to get the thrills of the serial play, "A Step On the Stairs." The leading lady of this group is Jean Sargeant, left, of Boston. She plays the part of Mary Williams in a most convincing manner. The sixth episode will be given at this station Wednesday, March 31.

Tuesday, April 6

Headliners Today

Eastern	Central	Mountain	Pacific
7 p. m.	6 p. m.	5 p. m.	4 p. m.

WLW (422.3m-710kc) Norrine Gibbons.

8:30	7:30	6:30	5:30

WHAS (399.8m-750kc) Zoeller's Melodists.
WJZ (454.3m-660kc), WGY (379.5m-790kc) Deltah Half hour of Romance.

9	8	7	6

WBZ (333.1m-900kc) Singing orchestra.
KOB (348.6m-860kc) Winners of State Music Contest.
KPRC (296.9m-1010kc) Temple Beth choir.

10	9	8	7

KTHS (374.8m-800kc) French harp tunes.

10:20	9:20	8:20	7:20

WMAQ (447.5m-670kc) St. Leo's Surpliced choir.

12	11	10	9

WFAA (475.9m-630kc) Mustang band.

Eastern	Central	Mountain	Pacific
12:45 a. m.	11:45 p. m.	10:45 p. m.	9:45 p. m.

WDAF (365.6m-820kc) Nighthawk frolic.
WKRC (422.3m-710kc) Blues and ballads.

1	12 m.	11	10

KFI (467m-640kc) Packard ballad hour.

Tuesday, silent night for: CFCA, CHIC, CKNC, CNRC, CNRE, CNRM, CNRO, CNRT, CNRW, KUOA, KFUO, KFWA, KOA, KOAC, KOWW, KUOM, KSAC, KTAB, KWSC, KYX, WABQ, WAHG, WAIU, WAMD, WBBR, WCAL, WCAP, WEMC, WGCP, WHAZ, WJAD, WJAZ, WKAF, WLWL, WMAK, WMAZ, WOI, WOS, WRVA, WSMB, WSUI, WTAM, WTIC.

Eastern Time Stations

CKAC, Montreal, Can. (410.7m-730kc), 7:15 p. m., dinner music; 8:15, music week program; 10:30, Windsor hotel dance orchestra.

CNRA, Moncton, Can. (312.4m-960kc), 6:30 p. m., Caledonian choir; Moonlight Melody Boys' orchestra; H. Eastwood, banjoist and saxophonist; Walter Grant, saxophonist; Gerald Hamm, violinist; Alex Robertson, tenor-banjoist; Clarence Cooke, drums; Ina MacPherson, pianist; Caledonia quartet; 10, CNRA orchestra.

KDKA, Pittsburgh, Pa. (309.1m-970kc), 6:30 p. m., dinner concert; 8:30, sacred song half-hour; 9, concert; Margaret Spaulding, soprano; Alberta Murray Baker, contralto; Will Rhodes, tenor; Fred Ayers, baritone; 11:35, concert.

WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., dinner orchestra; 7:30-8, WBAL male quartet; 8-9, Harriet Zell Colston, soprano; George Bolek, pianist; James Wilkinson, baritone; 9-10, U. S. Naval academy band.

WBZ, Springfield, Mass. (333.1m-900kc), 6:45 p. m., Hotel Lenox ensemble; 8, Empire singing orchestra; 9, Florence Argy, soprano; 9:30, Douglas Donaldson, pianist; 10:30, WBZ Radio movie club.

WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., William Penn hotel; 8-11, WEAF; 11, Kenyon theater.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:30, Ralph Jackson and his Blue Grass music; 7:30, Snellenburg choral society; 8:10, the Three Brothers; 8:25, Peter Ricci, baritone; Virginia Klein, pianist; 8:45, Charlie Higgins and Joe Burke; 9, Robert Fraser, blind Gospel singer, Elizabeth Holtz, pianist; 9:30, Esther Lawrence and players; 10, Eddie Malle and Danny Dougherty, songs; 10:30, Billy Hayes and his orchestra.

WEAF, New York, N. Y. (491.5m-610kc), 4-12 midnight, Hotel Seville string quartet; Vincent Lopez and his orchestra; Edgar M. Gruen, baritone; Gold Dust twins, Eveready hour, Vincent Lopez and his orchestra.

WEBJ, New York, N. Y. (272.6m-1100kc), 7-7:30 p. m., Dan Barnett's orchestra; 7:45, Sal Angarolla and Eddie Collins in uke and guitar duets; 8:15, Jack Lipitz, tenor; 8:30-9, Raymond orchestra.

WEEI, Boston, Mass. (348.6m-860kc), 6:05 p. m., George Joy and Nell Cantor; 7:30, Laundryettes; 8-10:30, WEAF.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra; 8-11:30, WEAF.

WGBS, New York, N. Y. (315.6m-950kc), 7 p. m., Arrowhead Inn concert orchestra; 8:30, Threshold players' production; 9:45, Zettler trio; A. R. Cooper, basso; 10:30, Arrowhead Inn dance orchestra.

WGHB, Clearwater, Fla. (265.3m-1130kc), 6:30-7:30 p. m., dinner music, Gray Moss inn; 7:30-7:45, Giles M. Quarles; 8:30-10, quartet; 11:45-1, Graham Prince with his Tar Heel orchestra.

WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., Vincent Lopez Hotel Statler dance orchestra; 8, WEAF.

WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., Hotel Van Curler; 7:45, WRC; 8:30, WJZ; 9, WJZ; 9:30, Luella Green, pianist; Miss Crowley, contralto; Miss Messenger, soprano; 10, WJZ; 11, Asia club orchestra.

WHN, New York, N. Y. (361.2m-380kc), 6 p. m., Treasureland Neighbors; 6:30, Everglades orchestra; 7, Iceland orchestra; 7:30, Will Oakland's Chateau; 9, Loew's Eighty-third Street orchestra; 9:30, Billy Gleason and entertainers; 12, Harry Richman and entertainers.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Monte Cross, "old-timer"; 6:15, Nelson Maples and his S. S. Leviathan orchestra; Violet Taylor, soprano; 8:15, the A. A. Archangelsky Capella of St. Michael's cathedral; 9:10, faculty concert, school of musical art; 10:30, Pagoda cafe orchestra.

WJZ, New York, N. Y. (454.3m-660kc), 7:30 p. m., U. S. Marine band, WRC, WGY; 8:30, "The Deltah Pearl" hour, WGY; 10, "Devonshire and Cornwall," WGY, WRC; 10:55, George Olsen's Hotel Pennsylvania grill orchestra.

WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Olcott Vail and Hotel McAlpin string ensemble; 6:30, Parody orchestra; 7, Twin Oaks orchestra; 7:15, Arthur West's Sirens; 8, Pace institute program; 8:30, Poslam Hawaiians; 10, Creole Follies; 10:30, Tango Gardens orchestra; 11, Ernie Golden and Hotel McAlpin orchestra; 12, McAlpin entertainers.

WNYC, New York, N. Y. (526m-570kc), 6:30 p. m., The Canadians; 7:10, The Canadians; 8, vocal and instrumental program; 9, instrumental novelty; 10:15, orchestra.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Hotel Adelphia French room orchestra.

WOR, Newark, N. J. (405.2m-740kc), 6:45 p. m., Hotel Bretton Hall quartet.

WPG, Atlantic City, N. J. (299.8m-1000kc), 6:45 p. m., organ recital; 7, Hotel Morton dinner music; 8, Plaza hotel artists; Cecile Steiner, violinist; Margaret Irwin, pianist; E. Gallagher, baritone; 8:30, Million Dollar Pier dance orchestra, Katz and his Kittens; 9, dual trio; 10:30, piano recital, Karl Bonawitz; 11, Silver Slipper Supper club, Eddie McKnight's dance orchestra.

WRC, Washington, D. C. (468.5m-640kc), 7:30 p. m., U. S. Marine band, WGY, WJZ; 10:30, W. Spencer Tupman and his Hotel Mayflower orchestra.

WTAG, Worcester, Mass. (267.7m-1120kc), 8-8:30 p. m., WEAF; 9-10, WEAF; 10-11, WEAF.

WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 8, WEAF.

Central Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 8:30-10:30 p. m., U. of Nebraska.

KLDS, Independence, Mo. (440.9m-680kc), 7:45 p. m., choir, ladies' quartet; Albert Brackenbury, bass; 11:30, midnight program.

KMA, Shenandoah, Iowa (252m-1190kc), 6-7 p. m., May Flower trio; 9-11, May's Mandolin musicians.

KMOX, St. Louis, Mo. (280.2m-1070kc), 6 p. m., Arthur Utt, organist; 6:30, Mrs. Jacques Landree, organist, 7, orchestra, mixed program; 8, Swiss program, orchestra; 9, English classic, "School for Scandal"; 10, popular dance program, "Colonel 6121."

KOIL, Council Bluffs, Iowa (277.6m-1080kc), 6:05 p. m., program, Clara Kurtz, pianist; Lucy Rhyno, soprano; 6:30, Randall's Royal Fontenelle orchestra, 7:30, Paramount program; 11, Hotsy Totsy hour.

KPRC, Houston, Texas (296.9m-1010kc), 7:30 p. m., Billie Mack's dance orchestra; 8:30, Temple Beth Israel sisterhood choir; 9, bridge.

KSD, St. Louis, Mo. (545.1m-550kc), 7-10 p. m., WEAF.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9-9:30 p. m., William M. Hinton, harpist; 9:30-9:45, Elizabeth Bowe, pianist; 9:45-10, Southern classics; 10-10:30, dance orchestra; 10:30-11:30, revue.

KUOA, Fayetteville, Ark. (299.8m-1000kc), 8 p. m., U. glee club.

KYW, Chicago, Ill. (535.4m-560kc), 6-6:15 p. m., dinner music, KDKA; 6:30-7, dinner concert, Congress Hotel; 8-9, musical program; Henrietta Nolan, violinist; Melody quartet, "Banjo Bill" Haid; Eulale Kober Stade, pianist; 9, musicale; 10-11, Evening at Home program; 11:10-12 midnight, Evening at Home; 12-1 a. m., Insomnia club.

WBAP, Fort Worth, Texas (475.9m-630kc), 6-6:30 p. m., Texas hotel orchestra; 7:30-8:30, musicale, Mrs. D. W. Shivers, director; 9:30-11, Euterpean club.

WBBM, Chicago, Ill. (225.4m-1330kc), 8-12 midnight, Jack Crawford's Alemite orchestra; Barber Shop quartet; Tip trio; Pete Kules; Vivian Sheffer, contralto.

WCBD, Zion, Ill. (344.6m-870kc), 8 p. m., mixed quartet, trombone quartet, chorus; Messrs. Mason and Carey, duetists; John Studebaker, clarinet; Paul Stewart, cornetist; Dorothy Bull, soprano; Carey Sisters; Mrs. Sparrow, contralto; E. Paxton, baritone; Clarence Dulmage, reader.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 7 p. m., WEAF; 7:30, WEAF; 8-9, WEAF; 10:05, "A Step on the Stairs," mystery serial.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., Trianon ensemble; 11:45-1, Ted Weem's Victor Recording orchestra.

WEBH, Chicago, Ill. (370.2m-810kc), 7 p. m., Oriole orchestra; 8, marimba band; saxophone quintet; saxophone quartet; Kathryn Forbes, soprano; 9-9:15, news; 9:15-10, Uptown theater; 11, Oriole orchestra; 12:30 a. m., Bernard Weber, tenor; Oriole trombone duo; Mark Fisher, songs.

WFAA, Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m., Jimmy's Joys, orchestra; 8:30-9:30, Southern Methodist University school of music, bridge game demonstration; 11-12, Mustang band.

WGBF, Evansville, Ind. (236.1m-1270kc), 8 p. m., Evansville Typographical union jubilee.

"a Step On the Stairs"

Broadcast as a Play

EPISODE SIX—THE SETTING

EPISODE SIX continues in the high-beamed hunt-room, the room that has been the scene of strange and mysterious crimes, of the Turner manse. The guests who had gathered there to hear a message from Peleg Turner, have waited patiently until Tolliver returns from the Radio station to report that murderous deeds have been afoot there, too. Just as he displays a letter he has stolen at the station, Mary Williams seemingly faints, throwing out her hand and upsetting the candle. In the resultant darkness the letter has disappeared. Mary Williams and Ardwyn stay alone in the room to await the return of a stranger. He returns, in the dark, and the guests come in the room just in time to find Ardwyn unconscious with a flesh wound on his head and Miss Williams fainted—holding part of Peleg Turner's funeral clothes. The two are revived, and all but Mary leave the room. Then John Carton reappears to Mary and asks her to believe in him. He narrowly escapes the return of the other people and is assisted in escaping by Hari Singh, who then shortly returns from the outside with the unconscious form of Milford Jones. The seance is resumed with the unbelievable result that Peleg Turner's voice comes over the Radio. He curses the murderer of his brother. He says the murderer is now in the house, but shall pay in full ere dawn. The sixth episode now opens.

THE CAST

Frederick Ardwyn.....Peleg Turner's lawyer
Aunt Helen Holmes.....A relative
Mary Williams.....A youthful guest
Maurice Tolliver.....A youth and relative
Cousin William Caryl.....A relative
Announcer at Station FYX.....
A voice in the dark.....An uninvited guest

WHERE AND WHEN TO DIAL

KGO, Oakland, Calif. (361.2m-830kc). Sixth episode at 9:45 p. m. Pacific time, Saturday, April 3.

KOA, Denver, Colo. (322.4m-930kc). Sixth episode at 9:40 p. m. Mountain time, Monday, April 5.

WBAP, Fort Worth, Texas. (475.9m-630kc). Second episode at 11 p. m. Central time, Thursday, April 8.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc). Sixth episode at 10:05 p. m. Central time, Tuesday, April 6.

WGY, Schenectady, N. Y. (379.5m-790kc). Sixth episode at 8:15 p. m. Eastern time, Friday, April 2. Seventh episode same time April 9.

WHO, Des Moines, Iowa (526m-570kc). Sixth episode at 2:30 p. m. Central time, Monday, April 5.

WLW, Cincinnati, Ohio (422.3m-710kc). Sixth episode at 8:30 p. m. Central time, Saturday, April 3.

WMAQ, Chicago, Ill. (447.5m-670kc). Sixth episode at 9 p. m. Central time, Wednesday, March 31. Seventh episode same time April 7.

WNAC, Boston, Mass. (280.2m-1070kc). Sixth episode at 8:30 p. m. Eastern time, Wednesday, March 31. Seventh episode at same time April 7.

WEAN, Providence, R. I. (270.1m-1110kc). Play broadcast by direct wire from WNAC, Boston, on same schedule as WNAC therefore.

WOAW, Omaha, Neb. (526m-570kc). Sixth episode at 8 p. m. Central time, Saturday, April 3.

WOC, Davenport, Iowa (483.6m-620kc). Sixth episode at 10:30 p. m. Central time, on Friday, April 2. Seventh episode same time, April 9.

WOR, Newark, N. J. (405.2m-740kc). Sixth episode at 10:30 p. m. Eastern time, Saturday, April 3.

WRC, Washington, D. C. (468.5m-640kc). Fifth episode at 8:15 p. m. Eastern time, Friday, April 2. Sixth episode same time April 9.

WSB, Atlanta, Ga. (428.3m-700kc). Schedule to be announced over air.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc). Schedule to be announced over air.

RADIO PLAYS IMPORTANT ROLE TH

CLASSICAL CONCERTS INDEX

Saturday, April 3

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.
WCX, WEAF, WMCA, WREO.			
7	6	5	4
KGO, KYW, WEAR, WENR, WMAQ, WNYC, WOAW, WOK, WRC.			
8	7	6	5
KDKA, KFNF, KOIL, KSD, KYW, WBBR, WGN, WMBB, WNYC, WOAW, WQJ.			
9	8	7	6
KFOA, KPRC, KHJ, KYW, WHAS, WIP, WLW, WORD, WSAI, WSOE.			
10	9	8	7
KNX, KYW, WEAF, WMAQ, WMC, WOAW, WOC, WORD.			
11	10	9	8
KGO.			
12 m	11	10	9
WOAW.			

Sunday, April 4

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.
WCAU.			
7:20	6:20	5:20	4:20
WCAE, WCAU, WEAF, WEAR, WEEI, WJAR, WTAG, WWJ.			
8	7	6	5
KYW, WAMD, WBZ, WEAR, WGBS, WGCP, WKAQ, WLS, WORD.			
9	8	7	6
KFDM, KPRC, KSD, WBZ, WCAU, WCBD, WCCO, WEAR, WGY, WHAR, WHT, WNYC, WQJ.			
9:15	8:15	7:15	6:15
WEEI, WJAR, WTAG.			
10	9	8	7
KHJ, KNX, KTHS, KYW, WCCO, WFAA, WNYC, WOC, WQJ, WSOE.			
11	10	9	8
KFVE, KHJ, KNX, KPO, KTHS, KYW, WHN, WKRC, WOC.			
12 m	11	10	9
KHJ, KNX, WOC.			
1 a. m.	12 m	11	10
KNX.			

Monday, April 5

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.
KGO, WCX, WEAF, WMCA, WREO, WWJ.			
7	6	5	4
KMA, WCCO, WEAF, WEAR, WHAD, WJR, WOAW, WOK.			
8	7	6	5
KFNF, KSD, WBBR, WBZ, WCAU, WCX, WHAR, WHT, WJAR, WLW, WMBB, WTAG, WTIC.			
9	8	7	6
KFOA, KGO, KHJ, KPRC, WBBR, WCCO, WBZ, WCAE, WEEI, WHAD, WHO, WJAR, WLW, WORD, WOS.			
10	9	8	7
KMA, KPO, KPRC, KSD, KTHS, WAMD, WCCO, WEAF, WHAD, WJAR, WOAW, WSUI, WTAG.			
11	10	9	8
KGW, KHJ, KMA, KSD, KTHS, KWSC, WHN, WSAI.			
12 m	11	10	9
KGW, WBAP, WSAI.			
1 a. m.	12 m	11	10
KHJ.			

Tuesday, April 6

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.
WBZ, WCX, WEAF, WMCA, WREO, WWJ.			
7	6	5	4
KGO, KMA, WEAR, WEBJ, WGBS, WHAD, WJR, WMAQ, WOAW, WOK, WOR, WTIC, WWJ.			
8	7	6	5
KFNF, KSD, KYW, WBZ, WCAE, WCAU, WCX, WEAR, WEEI, WGR, WHAR, WHT, WLS, WMBB, WQJ, WRC, WTIC.			
9	8	7	6
KDKA, KFNF, KOIL, KSD, KYW, WBBR, WGN, WMBB, WNYC, WOAW, WQJ.			
9:15	8:15	7:15	6:15
WEEI, WJAR, WTAG.			
10	9	8	7
KFOA, KPRC, KHJ, KYW, WHAS, WIP, WLW, WORD, WSAI, WSOE.			
10	9	8	7
KNX, KYW, WEAF, WMAQ, WMC, WOAW, WOC, WORD.			
11	10	9	8
KGO.			
12 m	11	10	9
WOAW.			

Sunday, April 4

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.
WCAU.			
7:20	6:20	5:20	4:20
WCAE, WCAU, WEAF, WEAR, WEEI, WJAR, WTAG, WWJ.			
8	7	6	5
KYW, WAMD, WBZ, WEAR, WGBS, WGCP, WKAQ, WLS, WORD.			
9	8	7	6
KFDM, KPRC, KSD, WBZ, WCAU, WCBD, WCCO, WEAR, WGY, WHAR, WHT, WNYC, WQJ.			
9:15	8:15	7:15	6:15
WEEI, WJAR, WTAG.			
10	9	8	7
KHJ, KNX, KTHS, KYW, WCCO, WFAA, WNYC, WOC, WQJ, WSOE.			
11	10	9	8
KFVE, KHJ, KNX, KPO, KTHS, KYW, WHN, WKRC, WOC.			
12 m	11	10	9
KHJ, KNX, WOC.			
1 a. m.	12 m	11	10
KNX.			

Monday, April 5

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.
KGO, WCX, WEAF, WMCA, WREO, WWJ.			
7	6	5	4
KMA, WCCO, WEAF, WEAR, WHAD, WJR, WOAW, WOK.			
8	7	6	5
KFNF, KSD, WBBR, WBZ, WCAU, WCX, WHAR, WHT, WJAR, WLW, WMBB, WTAG, WTIC.			
9	8	7	6
KFOA, KGO, KHJ, KPRC, WBBR, WCCO, WBZ, WCAE, WEEI, WHAD, WHO, WJAR, WLW, WORD, WOS.			
10	9	8	7
KMA, KPO, KPRC, KSD, KTHS, WAMD, WCCO, WEAF, WHAD, WJAR, WOAW, WSUI, WTAG.			
11	10	9	8
KGW, KHJ, KMA, KSD, KTHS, KWSC, WHN, WSAI.			
12 m	11	10	9
KGW, WBAP, WSAI.			
1 a. m.	12 m	11	10
KHJ.			

Tuesday, April 6

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.
WBZ, WCX, WEAF, WMCA, WREO, WWJ.			
7	6	5	4
KGO, KMA, WEAR, WEBJ, WGBS, WHAD, WJR, WMAQ, WOAW, WOK, WOR, WTIC, WWJ.			
8	7	6	5
KFNF, KSD, KYW, WBZ, WCAE, WCAU, WCX, WEAR, WEEI, WGR, WHAR, WHT, WLS, WMBB, WQJ, WRC, WTIC.			
9	8	7	6
KDKA, KFNF, KOIL, KSD, KYW, WBBR, WGN, WMBB, WNYC, WOAW, WQJ.			
9:15	8:15	7:15	6:15
WEEI, WJAR, WTAG.			
10	9	8	7
KFOA, KPRC, KHJ, KYW, WHAS, WIP, WLW, WORD, WSAI, WSOE.			
10	9	8	7
KNX, KYW, WEAF, WMAQ, WMC, WOAW, WOC, WORD.			
11	10	9	8
KGO.			
12 m	11	10	9
WOAW.			

Wednesday, April 7

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.
WCX, WEAF, WMCA, WREO, WWJ.			
7	6	5	4
KGO, WEAR, WHAD, WJR, WMAQ, WOK, WTIC.			
8	7	6	5
KFNF, KPRC, KSD, KYW, WAMD, WBZ, WCX, WEAF, WEEI, WHT, WLW, WMBB, WMCA, WQJ, WTAG, WWJ.			
9	8	7	6
KFOA, KGO, KPRC, KSD, KYW, WBZ, WCCO, WDAF, WEEI, WGR, WHAD, WHAS, WJAR, WMAQ, WOR, WOS, WORD.			
10	9	8	7
KFMX, KMA, KNX, KTHS, WAMD, WCCO, WEAF, WEEI, WGR, WHAD, WJAR, WLS, WMAQ, WNYC, WOC, WSOE.			
11	10	9	8
KGO, KGW, KMA, KPO, KTHS, WCAE, WLS, WLW, WOC, WSAI.			
12 m	11	10	9
KGW, KPO, WHAD, WLW.			
1 a. m.	12 m	11	10
WLW.			

Thursday, April 8

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.
WBZ, WCX, WEAF, WIP, WMCA, WREO, WWJ.			
7	6	5	4
KGO, KSD, WEAF, WEAR, WGBS, WHAD, WJR, WMAQ, WOAW, WOK, WWJ.			
8	7	6	5
KYW, WBBR, WBZ, WCAU, WCCO, WCX, WEAR, WEEI, WGR, WGY, WHAR, WHT, WLS, WLW, WMBB, WOAW, WQJ, WTAG, WTIC.			
9	8	7	6
KHJ, KLDS, WBAP, WCAE, WCAU, WCBD, WCCO, WEAF, WEEI, WGR, WHAR, WHAS, WJAR, WNYC, WOC, WORD, WRC, WSAI, WSB, WTAG.			
10	9	8	7
KNX, KPRC, KTHS, KYW, WAMD, WGR, WGY, WHAD, WMC, WOAW, WOC, WSAI.			
11	10	9	8
KGO, KPO, KTHS, WBAP, WKRC.			
12 m	11	10	9
KGW, KPO, WHO, WKRC.			

Friday, April 9

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.
KGO, WCX, WMCA, WREO, WWJ.			
7	6	5	4
KGO, WEBJ, WGY, WHAD, WJR, WMAQ, WOAW, WOK, WOR, WTIC.			
8	7	6	5
KYW, WAHG, WAMD, WBZ, WCAU, WCX, WEBJ, WEEI, WHT, WLS, WQJ, WWJ.			
9	8	7	6
KFDM, KFNF, KFOA, KGO, KHJ, KSD, KYW, WBAP, WBZ, WCAU, WDAF, WEEI, WHAD, WJAR, WMAQ, WMCA, WSAI.			
10	9	8	7
KFAB, KFDM, KOA, WCCO, WHAD, WMAQ, WOAW, WOK, WOR, WTIC.			
11	10	9	8
KFMX, KHJ, KNX, KPO, WABQ.			
12 m	11	10	9
KPO.			

Wednesday, April 7

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.
WCX, WEAF, WMCA, WREO, WWJ.			
7	6	5	4
KGO, WEAR, WHAD, WJR, WMAQ, WOK, WTIC.			
8	7	6	5
KFNF, KPRC, KSD, KYW, WAMD, WBZ, WCX, WEAF, WEEI, WHT, WLW, WMBB, WMCA, WQJ, WTAG, WWJ.			
9	8	7	6
KFOA, KGO, KPRC, KSD, KYW, WBZ, WCCO, WDAF, WEEI, WGR, WHAD, WHAS, WJAR, WMAQ, WOR, WOS, WORD.			
10	9	8	7
KFMX, KMA, KNX, KTHS, WAMD, WCCO, WEAF, WEEI, WGR, WHAD, WJAR, WLS, WMAQ, WNYC, WOC, WSOE.			
11	10	9	8
KGO, KGW, KMA, KPO, KTHS, WCAE, WLS, WLW, WOC, WSAI.			
12 m	11	10	9
KGW, KPO, WHAD, WLW.			
1 a. m.	12 m	11	10
WLW.			

Thursday, April 8

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.
WBZ, WCX, WEAF, WIP, WMCA, WREO, WWJ.			
7	6	5	4
KGO, KSD, WEAF, WEAR, WGBS, WHAD, WJR, WMAQ, WOAW, WOK, WWJ.			
8	7	6	5
KYW, WBBR, WBZ, WCAU, WCCO, WCX, WEAR, WEEI, WGR, WGY, WHAR, WHT, WLS, WLW, WMBB, WOAW, WQJ, WTAG, WTIC.			
9	8	7	6
KHJ, KLDS, WBAP, WCAE, WCAU, WCBD, WCCO, WEAF, WEEI, WGR, WHAR, WHAS, WJAR, WNYC, WOC, WORD, WRC, WSAI, WSB, WTAG.			
10	9	8	7
KNX, KPRC, KTHS, KYW, WAMD, WGR, WGY, WHAD, WMC, WOAW, WOC, WSAI.			
11	10	9	8
KGO, KPO, KTHS, WBAP, WKRC.			
12 m	11	10	9
KGW, KPO, WHO, WKRC.			

Friday, April 9

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.
KGO, WCX, WMCA, WREO, WWJ.			
7	6	5	4
KGO, WEBJ, WGY, WHAD, WJR, WMAQ, WOAW, WOK, WOR, WTIC.			
8	7	6	5
KYW, WAHG, WAMD, WBZ, WCAU, WCX, WEBJ, WEEI, WHT, WLS, WQJ, WWJ.			
9	8	7	6
KFDM, KFNF, KFOA, KGO, KHJ, KSD, KYW, WBAP, WBZ, WCAU, WDAF, WEEI, WHAD, WJAR, WMAQ, WMCA, WSAI.			
10	9	8	7
KFAB, KFDM, KOA, WCCO, WHAD, WMAQ, WOAW, WOK, WOR, WTIC.			
11	10	9	8
KFMX, KHJ, KNX, KPO, WABQ.			
12 m	11	10	9
KPO.			

"Ghosts of the Air" are the Phantoms o
novel fashion every other Saturday ni
of Houston, from the skyline studios
tionette, the tall and stately blond of
prove that she and her companion are
and the New York Oratorio society
Ethyl Hayden, left, will be the soprano
is the concert pianist who directs

Tuesday, April 6

WGN, Chicago, Ill. (302.8m-990kc), 6:30-6:45 p. m., Drake concert ensemble, Blackstone string quintet; 6:45, old-time favorites; 6:55-7, "The Million Sing"; 8-9, WEAF; 9-10, studio program; 10-10:10, Sam 'n' Henry; 10:10, old-time favorites; 10:20, play shop. 10:40-11, studio ensemble.

WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., Carl Zoeller's melodists.

WHB, Kansas City, Mo. (365.6m-820kc), 7-7:45 p. m., dinner-hour concert, Linwood theater.

WHO, Des Moines, Iowa (526m-570kc), 7:30-8 p. m., Radiolites quintet; 8-9, varied musical program; 11-12, Bankers Life Corn Sugar orchestra.

WHT, Chicago, Ill. (399.8m-750kc), 6 p. m., dinner organ recital, Al Carney; 6:10, Grayling's string trio; 6:50, Diamond quartet, Loftis; 9:15 (238m-1260kc), Cinderella cafe orchestra; 9:35, Kitchen Klenzer entertainers; 9:50, popular song selections; 12, Pat Barnes.

WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., dinner program, string trio, vocal numbers; Ruth Flick, reader; Helen Collar, pianist; 12, jamboree; Ted Fiorito, pianist; Dan Russo, violinist; Marie Tully, songs; Wayne Myers, monologist; Harold Olson, Jack Goodwin, Tennessee Gingersnaps.

WJJD, Mooseheart, Ill. (370.2m-810kc), 12-1 p. m., Palmer House symphonic players; Palmer House trio; 2-3, Howard L. Peterson, organist; 4-5, music, Mooseheart children; 5:30-7, Jack Nelson; Palmer House symphonic players; Palmer House Victorians; Howard L. Peterson, organist; 8-9, children; 10-11, Garod studio; Rushmore ensemble singers; Palmer House Victorians; 12:30 a. m., Knights of the Burning Candle.

WKRC, Cincinnati, Ohio (422.3m-710kc), 10 p. m., Eugene Perazzo, organist; 11, Eddie Schoelwer, pianist; 11:15, Ace Brigode and his Virginians; 11:45, blues and ballads, Marie Turner.

WLIB, Chicago, Ill. (302.8m-990kc), 7:30-8 p. m., WEAF; 11-11:20, Correll and Gosden; 11:20-1 a. m., radio ensemble, dance music, harmony duos.

WLS, Chicago, Ill. (344.6m-870kc), 6:40 p. m., Maurie Sherman's College Inn orchestra; 7:20-7:50, Madame Julie Rive-King, pianist.

WLW, Cincinnati, Ohio (422.3m-710kc), 6 p. m., Norrine Gibbons and her girl friend; 6:30, Jesse Albert, tenor; Don McWatter, saxophonist; 7:30, piano memories, Mary Louise Wozniczek; old time review, Crosley Burnt Corkers; 9, Formica orchestra; 10, dance selections, Castle farm.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Hotel LaSalle orchestra; 8:20, musical program; 9:20, St. Leo's choir; 9:55, Mitchell Tower chimes.

WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Genevieve Bornham, soprano; Arvid L. Anderson, baritone; 9-11, orchestra; Joe Warner, Oxford girls.

WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., musicale, Harry Kohn; 11, Britling Cafeterial orchestra.

WOAW, Omaha, Neb. (526m-570kc), 6:30 p. m., Ed Myers and his Peony Park orchestra; 9, program, Hannan-Van Brunt company; 10:30, Frank Hodek and his Nightingale orchestra; 12, orchestra.

WOC, Davenport, Iowa (483.6m-620kc), 5:45-6 p. m., chimes concert; 7:30-8, WEAF; 8-9, WEAF; 10-11, Presbyterian church choir.

WOK, Chicago, Ill. (217.3m-1380kc), 7 p. m., Capitol theater organ; Pat Hoster, tenor; 10-1:30 a. m., Tearney's Town Club orchestra; Husk O'Hare's Cocoanut Grove orchestra; Capitol theater program; program.

WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9-10 p. m., Ye Olde Tyme Songe Feste; 10-11, Van Wyck instrumental quartet; 11-12 midnight, Henry Ford old-time dance.

WORD, Batavia, Ill. (275m-1090kc), 7 p. m., Public Service Company of Northern Illinois program; 9, Glenn Dillard Gunn School of Music.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Garden concert orchestra; Clement Laskowski, tenor; Mary House, pianist; Otis Pike Jester, soprano; 10-1 a. m., Rainbo Skylarks; Jerry Sullivan; Rose Vanderbosch, soprano and pianist; Everett Opie, character reader; Ila Shannabrook, soprano; Will Rossiter, Romo Vincent; Johnny Poat, Harold Olson, baritones; Tell Taylor, tenor; 1-2, Ginger hour.

WRR, Dallas, Texas (245.8m-1220kc), 6-7 p. m., Jack Gardner's orchestra; 8-9, musicale program, Montgomery.

WSAI, Cincinnati, Ohio (325.9m-920kc), 7 p. m., WEAF, 7:30, musicale; 8, WEAF; 9, bridge game; 9:30, Hawaiian music.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., entertainment; 10:45, Green Room frolic, Loew's Grand theater.

WSM, Nashville, Tenn. (282.8m-1060kc), 10 p. m., frolic, Beasley Smith's orchestra.

WSOE, Milwaukee, Wis. (245.8m-1220kc), 9 p. m., classical musical program, Barden Mannerchor.

Mountain Time Stations

CNRR, Regina, Can. (476m-640kc), 8 p. m., Melody Boys' orchestra.

KFXF, Colorado Springs, Colo. (250m-1200kc), 8:30 p. m., First Methodist church.

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., dinner concert, Brown Palace string orchestra.

Pacific Time Stations

CNRV, Vancouver, Can. (291.1m-1080kc), 8:30 p. m., McIntyre string quartet; pianist, cellist, violinists; Mrs. C. McLean, soprano; 10:30, Cabaret Belmont orchestra, Bebe Mullar, soprano.

KFI, Los Angeles, Calif. (467m-640kc), 6:30 p. m., vest pocket program; 6:45, Radiotorial period; 7-7:30, Chinese Gardens orchestra; 7:30-8, popular program; 8-9, Screen Artists string quartet; 9-10, varied program; 10-11, Packard Ballad hour with usual Tuesday night favorites.

KFOA, Seattle, Wash. (454.3m-660kc), 9-10 p. m., Pacific Northwest hour; 10-11, Jackie Souder's Club Lido serenaders.

KFON, Long Beach, Calif. (232.4m-1280kc), 7-8 p. m., Prizma hour; 8-9, Pantages acts; 9-11, Long Beach Aero club frolic; 11-12, State theater organ recital.

KFWB, Hollywood, Calif. (252m-1190kc), 8-9 p. m., Patrick-Marsh dance orchestra; Betty Patrick, soloist; 9-10, Len Nash and his original Country Boys dance orchestra; 10-11, Warner Brothers frolic.

KGO, Oakland, Calif. (361.2m-830kc), 8-9 p. m., Eveready program; Arthur Argiewicz, Eugene Bem, violinists; Lev Shorr, pianist; 9:10-9:30, Parthenia, 10-12, Madison's Midshipmen.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 10-12, Herman Kenin's dance orchestra.

KHJ, Los Angeles, Calif. (405.2m-740kc), 8-10 p. m., program, Builders' Finance association.

KJR, Seattle, Wash. (384.4m-780kc), 7-8:30 p. m., musical program, Cornish school artistic ensemble; 8:30-10, orchestra.

KMTR, Hollywood, Calif. (238m-1260kc), 6-7 p. m., Starr Piano company studio; 7:45, Hollywood Community sing from Hollywood high school auditorium; 8-10, KMTR concert orchestra.

KNX, Hollywood, Calif. (336.9m-890kc), 6:30-7 p. m., Atwater Kent orchestra; 7-7:30, program, Roy L. Donley, Inc.; 8-9, program, Globe Ice Cream and Weber Bread; 9-10, Western Auto Supply company; 10-12, Ray West's Ambassador hotel dance orchestra.

KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7 p. m., States Restaurant orchestra; 7-7:30, Fairmont hotel orchestra; 8:10-9, Swiss band; 9-10, Gypsy and Marts; 10-11, Rose room dance orchestra; 11-12 midnight, Henry Halstead's dance orchestra.

KPSN, Pasadena, Calif. (315.6m-950kc), 8-9 p. m., Star News concert hour, Adolf Tandler instrumental group, artists.

KTAB, Oakland, Calif. (239.9m-1250kc), 8-9 p. m., Mills college.

Wednesday, April 7

Headliners Today

Eastern	Central	Mountain	Pacific
7:30 p. m.	6:30 p. m.	5:30 p. m.	4:30 p. m.
WEEI (348.6m-860kc) Wellesley President.			
8	7	6	5
WBZ (333.1m-900kc) Old-Fashioned concert.			
10	9	8	7
KHJ (405.2m-740kc) Music Memory contest.			
KMOX (280.2m-1070kc) Mountain and Plain songs.			
KTHS (374.8m-800kc) Grand opera gems.			
11	10	9	8
WLW (422.3m-710kc) Crescendon instrumental trio.			
WSM (282.8m-1060kc) Mandolin club.			
11:45	10:45	9:45	8:45
KTHS (374.8m-800kc) Hot Springs Harmony twins.			
1 a. m.	12	11	10
KFWB (252m-1190kc) Warner Brothers' frolic.			

Wednesday, silent night for: CHIC, CKAC, CKNC, CNRA, CNRC, CNRE, CNRM, CNRR, CNRT, CNRV, KFAU, KFXF, KGO, KLDS, KMMJ, KOB, KOIL, KPSN, KSAC, KTAB, KUOA, WABQ, WAIU, WBAL, WBAP, WBBR, WCAL, WCBD, WEBW, WFAA, WGBF, WGBS, WGCP, WHAR, WHAZ, WIP, WJAD, WJAZ, WLWL, WMC, WOAI, WOAW, WOI, WPG, WRC, WRR.

Eastern Time Stations

CNRO, Ottawa, Can. (435.8m-688kc), 8 p. m., Chateau Laurier concert orchestra; 9, studio program; Chateau Laurier dance orchestra.

KDKA, Pittsburgh, Pa. (309.1m-970kc), 6:30 p. m., dinner concert; 8:30, concert, Pennsylvania railroad.

WAHG, Richmond Hill, N. Y. (315.6m-954kc), 7:30 p. m., Margie Made-Believe; 8, Michael Lamberti, cellist; 8:45, Augustine Jaquillard, soprano; 9, The Four Gondoliers; 9:40, Augustine Jaquillard, soprano; 10:02, joint recital: Milton Schwartz, violinist; Milton Katz, pianist; 10:30, Colonial dance orchestra.

WBZ, Springfield, Mass. (333.1m-900kc), 6:30 p. m., Hotel Kimball dance orchestra; 6:45, Hotel Lenox ensemble; 7, orchestra; 9, old-fashioned concert, Operatic quartet; 9, WBZ concert company.

WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert; 8-9, WEAF; 9, Dormont Baptist orchestra; 10, Kramer's orchestra.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30 p. m., recital, N. Snellenburg and company; 8:10, Jeff Kane's Musical Night Adventures; 8:35, Ruppert and McCullough, banjoists; 9, Frank Davenport, baritone; 9:30, Maurice Patton, tenor, Harry Reudy, baritone; 9:45, dance music; 10:30, Carl Zoehrns and Lou Herscher, songs; 10:45, Frank Cook, old-time songs, 11, Artie Bittong's Cheer-up club.

WEAF, New York, N. Y. (491.5m-610kc), 6 p. m., dinner music, Hotel Waldorf-Astoria; 7, synagogue services, auspices of United Synagogue of America, 7:30, chamber musicale, WJAR; 8, Shinola Merry-makers and the Gentlemen of 2 in 1, WTAG, WCAE, WWJ, WJAR, WEEI, WOO, KSD, WOC, WCCO, WCAP, WSAI, WGR; 8:30, Davis Saxophone octet, WOO, WCAE, WSAI, WCAP, WJAR, WTAG, WEEI, WGR; 9, Ipana troubadours, WEEI, WCAP, WWJ, WCCO, WGR, WSAI, KSD, WLIB; 10, "Pinafore," WEAF Light Opera company; 11-12, Hughie Barrett and orchestra.

WEBJ, New York, N. Y. (272.6m-1100kc), 8-8:30 p. m., Sambo's Jolly Friars; 8:45, Ben Ruty and Michael Savino, Hawaiian guitar duets; 9, N. B. Jacobson, baritone; 9:15-10, McLean's dance orchestra.

WEEI, Boston, Mass. (348.6m-860kc), 6:15 p. m., Joe Rines and his Hunters Cabin orchestra; 8-10, WEAF.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra.

WGBS, New York, N. Y. (315.6m-950kc), 6:30 p. m., Jersey collegians; 7, inspirational half hour.

WGHB, Clearwater, Fla. (265.3m-1130kc), 6:30-7:30 p. m., dinner music; 8:30-10, Caroline Lee; Marion Hoffman, pianist; 11:45-1 a. m., Tar-Heel orchestra.

WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., Gospel Melodists; 8, WEAF; 10, Wills Wallpaper stores program; 10:30, Fife Bros., in "The Log Cabin" program; 11, Billy McDermott presents the K. O. Brennan serenaders.

WGY, Schenectady, N. Y. (379.5m-790kc), 7 p. m., Eastman theater; 8:05, Rochester.

WHN, New York, N. Y. (361.2m-380kc), 7:30 p. m., Loew's Lexington organ recital; 8, Vogue entertainers; 9, Loew's New York orchestra; 9:30, Daven Radio entertainers; 10, Roseland dance orchestra; 12, Cotton club orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin hotel concert orchestra; 7, violin solo, Oscar Yeager; banjo-mandolin solo, Albert Genderbein.

WJZ, New York, N. Y. (454.3m-660kc), 7:15 p. m., Hotel Commodore concert orchestra; 8:30, Lewisohn Free Chamber music concert; 10:45, George Olsen's Hotel Pennsylvania Grill orchestra.

WLIT, Philadelphia, Pa. (394.5m-760kc), 8 p. m., recital; 10, Arcadia cafe dance orchestra.

WMAK, Buffalo, N. Y. (265.3m-1130kc), 7:30 p. m., readings, Mrs. Burton Fletcher; Lyman Gearhart, baritone; 8-9, musical program; 9-9:30, Silver Leaf male quartet; 9:30-10:30, musical program.

WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Olcott Vail and Hotel McAlpin orchestra; 6:30, Ernie Golden and Hotel McAlpin orchestra; 8:30, American Schools Assn. musical program; 9, Mamaronack night; 10, Creole Follies; 11, Hofbrau Haus entertainers; 11:30, Jack Denny's orchestra; 12, McAlpin entertainers, 12:15, Parody orchestra.

WNYC, New York, N. Y. (526m-570kc), 6:20 p. m., piano selections; 7:35, orchestra; 8:30, Leon Goldman, violinist; 9, piano recital; 9:30, song recitals.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Ritz Carlton concert orchestra; 8, WEAF; 8:30, WEAF; 10, Fox theater concert; 10, Ritz Carlton orchestra.

WOR, Newark, N. J. (405.2m-740kc), 6:30 p. m., Jacques Jacobs' Hotel Shelton ensemble; 7:30, Zit's Central Park Casino ensemble; 9, Gertner's string quartet; 11:15, Billy Rose Fifth Avenue club orchestra.

WRVA, Richmond, Va. (256.3m-1170kc), 7:30 p. m., Lawrenceville night; 10:10, Ernest H. Cosby.

WTAG, Worcester, Mass. (267.7m-1120kc), 8-8:30 p. m., WEAF; 8:30-9, WEAF; 9-10, concert program; 10-11, WEAF.

WTIC, Hartford, Conn. (475.9m-630kc), 6:30 p. m., trio; 8, Lester E. Wheeler, tenor; 8:30, Raymond Herrup, baritone; 9:15, Laura G. Gaudet, pianist; 9:30, Esther Nelson, organist; 10, WEAF.

WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 8, News orchestra; 9, dance program; 10, WEAF.

Central Time Stations

CNRW, Winnipeg, Can. (384.4m-780kc), 7:50 p. m., musical program, Ft. Garry hotel orchestra; 8:50, Robert Jones, baritone; Taras Hubicki, violinist; Eleanor Edmond, contralto; 10, supper-dance program, Irvin Plumm and his Ft. Garry hotel orchestra.

KFAB, Lincoln, Neb. (340.7m-880kc), 8:30-10:30 p. m., Buick trio; Belshaw's orchestra; Mike Kopac, King of the Ivories; Ed Ellingson, songbird.

KFRU, Columbia, Mo. (399.8m-750kc), 6:15 p. m., dinner music.

KMA, Shenandoah, Iowa (252m-1190kc), 6-7 p. m., popular music; 9-11, songs and clog dancing, Bob and Babe Riddle; Willy Cunningham, farmer Scotchman.

KMOX, St. Louis, Mo. (280.2m-1070kc), 6 p. m., organ recital, Arthur Titt; 6:30, organ recital, Mrs. Jacques Landree; 7, orchestra; 8, Oscar Blanke, tenor; Helen Brady; orchestra; 9, song cycle, Mountain and Plain songs; 10, popular dance music.

IS YEAR IN EASTER OBSERVANCES

RC, below. They entertain in their rom the topmost point in the City he Houston Post-Dispatch. Phan- leville fame, is risking one eye to much alive. When Albert Stoessel r over the **WEAF** chain Sunday, ist. Grace Denison Schaffer, right, Sunshine programs at **WOAW.**

KPRC, Houston, Texas (296.9m-1010kc), 7:30 p. m., Jack Willrich's orchestra; 8:30, Frank Tilton; 11, Vaughan's Virginians.

KSD, St. Louis, Mo. (545.1m-550kc), 7-7:30 p. m., WEAF; 7:30, Hotel Statler orchestra; 8, WEAF.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9-9:30 p. m., grand opera gems; 9:30-9:45, Violet Belding, contralto; 9:45-10, heart songs; 10-10:45, Southerners orchestra; 10:45-11, Hot Springs Harmony twins.

KYW, Chicago, Ill. (535.4m-560kc), 6-6:15 p. m., dinner music, KDKA; 6:30-7, dinner concert; 7:30-8, half hour of music; 8, musicale, Sherwood School of Music; 10-12 midnight, midnight revue; 12-1 a. m., Insomnia club.

WAMD, Minneapolis, Minn. (243.8m-1230kc), 7:10 p. m., classical program, W. E. Peterson, bass; Ida Sorenson, contralto; Margaret Arnold, pianist; Cornelius Schwarbel, violinist; 11, Skyrocket frolic, George Osborn and his orchestra.

WBAP, Fort Worth, Texas (475.9m-630kc), 6-6:30 p. m., Texas hotel orchestra.

WBBM, Chicago, Ill. (225.4m-1330kc), 8-10 p. m., Barber Shop quartet; Alemite orchestra; Billy Spears, tourist bureau; 9-9:15, old song period; Philip Nilles, tenor; Floyd Palch; 12-2, Alemite orchestra; Harold Anderson, accordionist; Sy Berg, Bob Witt.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 7 p. m., WEAF; 8, WEAF; 9, Nash-Finch concert orchestra; 10:05, Wallie Erickson's Coliseum orchestra.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., Trianon ensemble; 8-10, Star's Radio orchestra; 11:45-1 a. m., Hotel Muehlbach.

WEBH, Chicago, Ill. (370.2m-810kc), 7 p. m., Oriole orchestra; 8, Oriole string trio; 9-9:15, news flashes, 9:15-10, Frank Bordner, songs; Florence Behrend, soprano; 11-12:30 a. m., Oriole orchestra; Florence Behrend; Irene Beasley, impromptu review; Bernice Follis; Oriole orchestra.

WEMC, Berrien Springs, Mich. (285.5m-1050kc), 8:15 p. m., Mr. and Mrs. Albert L. Chaney, pianists; Miss Reed, guitarist; Thomas Johnson, baritone.

WGN, Chicago, Ill. (302.8m-990kc), 6:30-6:45 p. m., Drake concert ensemble, Blackstone string quintet 6:45, old-time favorites; 6:55-7, "The Million Sing", 9-10, studio program; 10-10:10, Sam 'n' Henry; 10:10-10:20, old-time favorites; 10:20, play shop; 10:40-11, studio ensemble.

WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., Masqueraders.

WHB, Kansas City, Mo. (365.6m-820kc), 7-8 p. m., Milo Finley trio; Burt Beuder, soloist; Selna Maddock, pianist.

WHO, Des Moines, Iowa (526m-570kc), 6-7 p. m., Bankers Life Little symphonic orchestra; 7:15-8:15, Irene Dorans orchestra; 8:15-9, Kate Miller, whistler; Maude Hughes, accompanist; Harry Lewis, popular songs; Norman Broholm, pianist; Norman Jackson, Hawaiian guitarist; 9-12, dance programs.

WHT, Chicago, Ill. (399.8m-750kc), 6 p. m., Peter Porstner; Helen Rauh, pianist; 7:45-9:15, Cinderella cafe orchestra; 9:30, Al Carney and Pat Barnes; 10:05, Ray-O-Vac concert; 11:15, Cinderella cafe orchestra; 11:30, Pat Barnes and Al Carney; 12, Pat Barnes and Al Carney.

WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., dinner concert, string trio; Charles Champlin, baritone; Christopher Hendra, tenor; Earl Bigelow, pianist; 10-12, popular program, Marie Tully, songster; Wayne Myers, reader; Melody Strummers; Tommy Smith, songster; Melody three; Vic Fredericks.

WKRC, Cincinnati, Ohio (422.3m-710kc), 6 p. m., dinner music, Alvin Boehr and his Hotel Alms orchestra; 8:15, Winnie Pippin, soprano; Oliver Plunkett, tenor; 9, instrumental quintet, soloist; 12 midnight, Wesley Helvey and his orchestra.

WLIB, Chicago, Ill. (302.8m-990kc), 7:30-7:40 p. m., Auld Sandy; 7:40-8, musical program; 8-9, WEAF; 11-11:20, Correll and Gosden; 11:20-1 a. m., studio ensemble, dance music, harmony duos.

WLS, Chicago, Ill. (344.6m-870kc), 6:40 p. m., Maurie Sherman's College Inn orchestra; 7:20, Chicago Heights Women's club chorus; 8:30, WLS trio; 9, Garrett Preachers quartet; 9:30, Ralph Emerson, organist; 10, College Inn orchestra; 11-1, WLS circus.

WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., Hotel Gibson orchestra; 10, Crescendon instrumental trio; 10:20, Crosley male quartet; 10:30, concert, West Night high school glee club; 11, the Crosley male quartet; 11:15, Maids of Melody, Grace Donaldson and Hortense Rhodes; 11:30, organ, Johanna Grosse.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Hotel LaSalle orchestra; 9:55, WMAQ players; chimes.

WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., artists; 9-11, Trianon orchestra; Hawaiian guitar duo.

WOC, Davenport, Iowa (483.6m-620kc), 5:45-6 p. m., chimes concert; 7-7:30, WEAF; 9-9:30, Erwin Swindell, organist; 9:30-10:30, musical program, Augustana college; 10:30, Little Jack Little, entertainer.

WOK, Chicago, Ill. (217.3m-1380kc), 7 p. m., Capitol theater organ; program; 10 p. m.-1:30 a. m., Tearney's Town club orchestra; Husk O'Hare's Cocoanut Grove orchestra; Capitol theater program; program.

WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9-12 midnight, "16-Fingered Paul," Jim Forshey, ABC Washer tenor; Sid Goldman, Ruth Glaser.

WORD, Batavia, Ill. (275m-1090kc), 7 p. m., North Shore line; 9, Webster hotel concert trio.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Ralph Williams and his Rainbo Gardens concert orchestra; Leo Miller, violinist; Milton Sherman, pianist; Lorena Anderson, soprano; Edmund Kelly, baritone; 10-1 a. m., Ralph Williams and his Rainbo Skylarks; Melodians; Clarence Theders, tenor; Joe Warner, character songs; Oxford girls, Gail Bandell, artists; 1-2, Ginger hour.

WSAI, Cincinnati, Ohio (325.9m-920kc), 6:45 p. m., chimes; 7-9, WEAF; 9, musicale; 10:15, quartet.

WSB, Atlanta, Ga. (428.3m-700kc), 10:45 p. m., Biltmore hotel orchestra.

WSBT, South Bend, Ind. (275.1m-1090kc), 7:15 p. m., orchestra, concert.

WSM, Nashville, Tenn. (282.8m-1060kc), 6:30 p. m., Francis Craig's orchestra; 8, Mary Cornelia Malone, soprano; 10, Vanderbilt university, Mandolin club.

WSOE, Milwaukee, Wis. (245.8m-1220kc), 9 p. m., musical selections.

Mountain Time Stations

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., dinner concert, Brown Palace string orchestra; 8, instrumental program, Scheuerman's Colorado orchestra; 8:15, staff artists; Hulda Edwards, soprano; Ralph Freese, tenor; Ina Rains, soprano; Julian Riley, violinist; G. Ralph Crowder, pianist; 10, dance program, Broadmoor Rhythm Rustlers.

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-640kc), 6:30 p. m., vest pocket program; 6:45, Radiotorial period; 7-7:30, Synchrophase string ensemble; 8-9, Ventura Refining company; 9-10, Chevrolet orchestra; 10-11, popular song program.

KFOA, Seattle, Wash. (454.3m-660kc), 7-8:15 p. m., Hopper Kelly company studio program.

KFON, Long Beach, Calif. (232.4m-1280kc), 7-8 p. m., program, Prest & Dean Electric company; 8-9, Press-Telegram studio; 9-11, Prizma hours; 11-12, State theater organ recital.

KFWB, Hollywood, Calif. (252m-1190kc), 8-9 p. m., Sphinx Oil orchestra; Dan Gridley, tenor, Estelle Shake, blues singer; 9-9:30, Bill Hatch's Oakmont Country club orchestra; 9:30-10, Mutual Motors mirth contest; 10-11, Warner Brothers frolic.

KGO, Oakland, Calif. (361.2m-830kc), 6-6:55 p. m., Amphion trio.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-9, concert; 9-10, vocal and instrumental music; 10-11, concert.

KHJ, Los Angeles, Calif. (405.2m-740kc), 7-7:30 p. m., Music Memory contest program, Huntington Park high school orchestra; 8-10, program, California Valencia Orange show.

KJR, Seattle, Wash. (384.4m-780kc), 7-8:30 p. m., Sears-Roebuck and company program, Bab's lady orchestra; 8:30-10, Post-Intelligencer studio program.

KMTR, Hollywood, Calif. (238m-1260kc), 6-7 p. m., Hawaiian Silver string quartet; 8-10, KMTR concert orchestra, Loren Powell, director; 10-11, Starr Piano company studio.

KNX, Hollywood, Calif. (336.9m-890kc), 6:30 p. m., Atwater Kent concert orchestra; 7-7:30, program, Dellarowe Drug company; 7:30-8, KNX feature program; 8-9, studio program; 9-11, dance music, Joe Daley's 165 grocery stores; 11-12, Ray West's Cocoanut Grove dance orchestra.

KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7 p. m., States Restaurant orchestra; 8-9, Atwater Kent artists; 9-10, Goodrich Silvertown Cord orchestra; 10-11, States Restaurant orchestra; 11-12, Henry Halstead's orchestra.

KTAB, Oakland, Calif. (239.9m-1250k), 8-10 p. m., Western States Life Insurance company program.

KWSC, Pullman, Wash. (384.6m-860kc), 7:30-9 p. m., Joe M. Mayer, accordionist; Ben Leshman, violinist; Frances Chestnut, pianist.

FARMERS' PROGRAMS INDEX

Farmer Dinner Concerts

Daily Except Sunday

CENTRAL TIME
KFNF, 12:15-1:35 p. m.
KMA, 11:30-12:30
KSO, 12:30-1:30 p. m.
WLS, 12 noon.

Saturday, April 3

Eastern	Central	Mountain	Pacific
1 p. m.	12 noon	11 a. m.	10 a. m.

KPRC (296.9m-1010kc) Farmers' educational and musical program.

1:45	12:45 p. m.	11:45	10:45

WOI (270m-1110kc) Soils, questions and answers.

8	7	6 p. m.	5 p. m.

KDKA (309.1m-970kc) Farm program.

9:30	8:30	7:30	6:30

KFAU (280.2m-1070kc), Agricultural talk, question box.

Sunday, April 4

Eastern	Central	Mountain	Pacific
3:30 p. m.	2:30 p. m.	1:30 p. m.	12:30 p. m.

WFAA (475.9m-630kc), Sunday hour for farmers.

Monday, April 5

Eastern	Central	Mountain	Pacific
12 noon	11 a. m.	10 a. m.	9 a. m.

WRC (468.5m-640kc), Fifty Farm flashes.

1:15 p. m.	12:15 p. m.	11:15	10:15

WOC (483.6m-620kc) "Rape—Our Greatest Emergency Forage for Swine."

WEAO (293.9m-1020kc), Timely Economic Information for the farmer, C. J. West.

1:35	12:35	11:35	10:35

KSAC (340.7m-880kc) "Winning the Weed Controversy." "Sweet Potato Seed Treatment."

1:45	12:45	11:45	10:45

WOI (270m-1110kc) "Tuberculosis in Livestock."

WMAQ (447.5m-670kc), Radio farm school.

7	6	5 p. m.	4 p. m.

WGY (379.5m-790kc) Agricultural program.

7:45	6:45	5:45	4:45

WSOE (246m-1220kc) Hog Raising.

8	7	6	5

WOS (440.9m-680kc), Livestock questions and answers.

WTAG (267.7m-1120kc) "Grape Growing."

8:30	7:30	6:30	5:30

KUOA (299.8m-1000kc), "Farm Filosofy," Cy Adams; "Weaning, Vaccination and Castration of Spring Pigs." "How One Farm Woman Improved Her Home." "The First Cultivation of Cotton."

8:45	7:45	6:45	5:45

WCCO (416.4m-720kc) Farm lecture.

WOI (270m-1110kc) "Have You Planned Your Garden for 1926?"

10	9	8	7

KMTR (238m-1260kc) "Intensive Farming."

KOAC (280.2m-1070kc) Agricultural question box. "The Internal Parasites of Poultry."

10:30	9:30	8:30	7:30

KOAC (280.2m-1070kc) "Raising Sheep on Logged Off Land."

KWSC (348.6m-860kc) Washington Farm Situation.

10:45	9:45	8:45	7:45

KOAC (280.2m-1070kc) "Suggestions to Garden Club Workers."

11:05	10:05	9:05	8:05

KGO (361.2m-830kc) Farm program, "Agricultural Outlook."

Tuesday, April 6

Eastern	Central	Mountain	Pacific
12 n.	11 a. m.	10 a. m.	9 a. m.

WRC (468.5m-640kc) Fifty Farm flashes.

Eastern	Central	Mountain	Pacific
1:15 p. m.	12:15 p. m.	11:15 a. m.	10:15 a. m.

WOC (483.6m-620kc) "Marketing the Young Stock."

1:35	12:35	11:35	10:35

KSAC (340.7m-880kc) "Green Feeds for Growing Chicks," "Gopher Arithmetic."

1:45	12:45	11:45	10:45

WMAQ, (447.5m-670kc), Radio farm school.

WOI (270m-1110kc) "Animal Husbandry."

6:20	5:20	4:20 p. m.	3:20 p. m.

WGY (379.5m-790kc) "The Strawberry."

9:30	8:30	7:30	6:30

KOA (322.4m-930kc) Farm question box.

Wednesday, April 7

Eastern	Central	Mountain	Pacific
12 noon	11 a. m.	10 a. m.	9 a. m.

WRC (468.5m-640kc), Fifty farm flashes.

1:15 p. m.	12:15 p. m.	11:15	10:15

WOC (483.6m-620kc) "Milk Per Acre of Corn."

1:30	12:30	11:30	10:30

WFAA (475.9m-630kc), Sears-Roebuck Agricultural program.

1:35	12:35	11:35	10:35

KSAC (340.7m-880kc) "As I Travel Over Eastern Kansas." "Coccidiosis of Poultry."

1:45	12:45	11:45	10:45

WMAQ (447.5m-670kc) Radio Farm school.

WOI (270m-1110kc), Poultry husbandry.

1:50	12:50	11:50	10:50

KFKX (288.3m-1040kc), "A B C's of Dairying," C. Long.

8	7	6 p. m.	5 p. m.

WOS (440.9m-680kc), Evening market hour, poultry questions and answers.

10:30	9:30	8:30	7:30

KWSC (348.6m-860kc) "Silage Crops." "Purebred Queens Assist Beekeepers."

Thursday, April 8

Eastern	Central	Mountain	Pacific
12 noon	11 a. m.	10 a. m.	9 a. m.

WRC (468.5m-640kc) Fifty Farm flashes.

1:15 p. m.	12:15 p. m.	11:15	10:15

WOC (483.6m-620kc) "Soy Bean Seeding—the Time, Rate and Method."

1:35	12:35	11:35	10:35

KSAC (340.7m-880kc) "Early Spring Pig Pasture." "Spray Materials."

1:45	12:45	11:45	10:45

WMAQ (447.5m-670kc) Radio farm school.

WOI (270m-1110kc), Farm crops.

8:30	7:30	6:30 p. m.	5:30 p. m.

WOI (270m-1110kc) "Good Equipment Makes a Good Farmer Better."

9:30	8:30	7:30	6:30

KOA (322.4m-930kc) Farm question box.

Friday, April 9

Eastern	Central	Mountain	Pacific
12 noon	11 a. m.	10 a. m.	9 a. m.

WRC (468.5m-640kc) Fifty Farm Flashes.

1:15 p. m.	12:15 p. m.	11:15	10:15

WOC (483.6m-860kc) Special Farm Service Day.

KTHS (374.8m-800kc) Farmers' Radio Chautauqua.

1:35	12:35	11:35	10:35

KSAC (340.7m-880kc) "Preparing for Hogs," "The Baby Beef Business."

1:45	12:45	11:45	10:45

WOI (270m-1110kc) Agricultural Economics.

8	7	6 p. m.	5 p. m.

WOS (440.9m-680kc) Evening Market hour, Dairy questions and answers.

8:15	7:15	6:15	5:15

KSO (242m-1240kc) Farm talk.

8:30	7:30	6:30	5:30

WOC (483.6m-620kc) Question box.

8:45	7:45	6:45	5:45

WCCO (416.4m-720kc) "Landscape Gardening—Plant Material for the Home Grounds."

Thursday, April 8

Headliners Today

Eastern	Central	Mountain	Pacific
10:30 a. m.	9:30 a. m.	8:30 a. m.	7:30 a. m.

WJZ (454.3m-660kc), WRC (468.5m-640kc) President Coolidge.

8:15 p. m.	7:15 p. m.	6:15 p. m.	5:15 p. m.

WIP (508.2m-590kc) Etude hour.

8:30	7:30	6:30	5:30

WJZ (454.3m-660kc), WRC (468.5m-640kc) "The Desert Healer," picture.

9	8	7	6

KDKA (309.1m-970kc) Valley Mandolin club.

KLDS (440.9m-680kc) International program.

WHB (365.6m-820kc) Band concert.

WSB (428.3m-700kc) West Point band.

9:30	8:30	7:30	6:30

KPRC (296.9m-1010kc) Eda Adams, Sweetheart of the Air.

9:50	8:50	7:50	6:50

WMAQ (447.5m-670kc) Debate.

10	9	8	7

WJZ (454.3m-660kc), WRC (468.5m-640kc) Record Boys.

10:50	9:50	8:50	7:50

WHT (399.8m-750kc) "A Buck on Leave."

11	10	9	8

KGW (491.5m-610kc) Vaudeville.

12	11	10	9

WBAP (475.9m-630kc) "A Step On the Stairs."

Thursday, silent night for: CHIC, CKNC, CNRA, CNRE, CNRO, CNRR, CNRT, CNRV, CNRW, KFAB, KFAU, KFMX, KFOA, KFUO, KFWA, KLX, KMOX, KOA, KOAC, KOB, KSAC, KWSC, PWX, WABQ, WAFD, WAHG, WAIU, WCAP, WCEE, WDOD, WEAO, WEBJ, WEBW, WEMC, WGBF, WHAD, WHAZ, WJJD, WMAK, WMAZ, WOOD, WOR, WOS, WSM, WSUI, WTAM.

Eastern Time Stations

CNRM, Montreal, Can. (410.7m-730kc), 7:30-8:30 p. m., instrumental, vocal program, Juvenile Winners of Medals, Montreal's Fourth Annual Music week contest; 8:30, Hawaiian music night, CNRM Hawaiian orchestra; A. McGuirl, Hawaiian guitarist; Viola Benoit, soprano.

KDKA, Pittsburgh, Pa. (309.1m-970kc), 6:30 p. m., dinner concert; 8:30, "Sir Arthur Seymour Sullivan," orchestra; 9, Valley Mandolin club; 11, Pittsburgh Post midnight revue.

WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., orchestra; 7:30-8, Frederick D. Weaver, organist; 8-10, Lillian Henderson, soprano; Georgie Kelly, contralto; Harry Rosenberger, baritone; Ruth Truitt, violinist; Florence Walden Otey, pianist.

WBBR, New York, N. Y. (272.6m-1100kc), 8 p. m., George Twaroschk, violinist; Walter Twaroschk, tenor.

WBZ, Springfield, Mass. (333.1m-900kc), 6:30 p. m., dance orchestra; 6:45, Hotel Lenox ensemble; 7, Hotel Kimball dance orchestra; 7:30, Anthony R. Valentine, banjo-guitarist; George Nicholson, banjo-mandolinist; 8, Noyes-Buick company; 9, Anna Wollman, soprano; Dorothy Birchard Mulroney, pianist; 9:30, Arthur Clifton, organist; 10:05, Cook's Butterfly ballroom.

WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert; 8-11, WEAF.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:30 p. m., Billy Hayes and his orchestra; 7:30, Snellenburg symphony orchestra; 8, Norman Barr, baritone; Virginia Klein, pianist; 8:15, Eight Bright Boys; 8:45, the Kandy Kids; 9, Barry O'Moore, the Irish tenor; 9:30, the Musical chefs; 9:45, comedy lesson, Professor Doolittle; 10, Sesqui Centennial hour; 11, Ralph Jackson and his orchestra; 11:30, Club Madrid revue.

WEAF, New York, N. Y. (491.5m-610kc), 6 p. m., dinner music, Hotel Waldorf-Astoria; 7:30, Hires' Harvesters; 8, Clicquot Club Eskimos; 9, Silvertown Cord orchestra; 10:30, Vincent Lopez and orchestra direct from Casa Lopez.

WEEI, Boston, Mass. (348.6m-860kc), 6:15 p. m., Carl W. Wood, bass; Mildred R. Reed, soprano; E. Rupert Sicom, accompanist; 7:30, Rickenbacker's old homestead group; 8-10, WEAF.

WFI, Philadelphia, Pa. (394.5m-760kc), 7 p. m., Bellevue Stratford dance orchestra; 8-11, WEAF.

WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., Vincent Lopez Hotel Statler dance orchestra; 9, WEAF.

WGBS, New York, N. Y. (315.6m-950kc), 7:30 p. m., Hotel Seville orchestra; 8:30, Oliver Sayler, "Footlight and Lamplight"; 9, Crystal Palace orchestra; 9:30, old time minstrels.

WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., Ten Eyck trio; 7:45, Syracuse university; 9, WJZ; 10, WGY orchestra; Gertrude Smith, soprano; 11:30, Stephen E. Boisclair, organist.

WHN, New York, N. Y. (361.2m-380kc), 6 p. m., Treasureland Neighbors; 8, Will Oakland's Chateau; 8:30, Al Herman's broadcasting entertainment bureau; 9:30, Loew's 83rd Street orchestra; 10:30, Leroy Smith's orchestra; 11, Joe Ward's Swanee entertainers; 11:30, Everglades orchestra; 12, Al Raymo and his entertainers.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Pagoda cafe orchestra; 7, Wilfred Charlesworth, pianist; 8:15, Etude hour; 9, Sesqui Centennial music period; 10:05, Nelson Maples and his S. S. Leviathan orchestra.

WJZ, New York, N. Y. (454.3m-660kc), 10:30 a. m., President Coolidge, WRC; 7 p. m., Hotel Vanderbilt orchestra; 7:45, Judge, Jr.; 8:30, Voice of the silent drama, First National Pictures, WRC; 9, Royal typewriter salon orchestra, WRC, WGY, WCAD; 10, the Record Boys; 10:45, Freddie Rich and his Hotel Astor dance orchestra.

WMAK, Buffalo, N. Y. (265.3m-1130kc), 6:15-7:15 p. m., dinner music, Hotel Lafayette orchestra; 7:30, Henry Nicholson.

WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Olcott Vail and Hotel McAlpin string ensemble; 6:30, Parody orchestra; 7, Twin Oaks orchestra; 7:30, Arthur West Sirens; 8:30, Church of the Ascension choir; 9:45, Nathan Straus serenaders; 10:15, McAlpin news editor; 10:30, Tango orchestra; 11, Ernie Golden and Hotel McAlpin orchestra; 12, McAlpin entertainers.

WNYC, New York, N. Y. (526m-570kc), 7:10 p. m., song recital; 8, concert; 9:10, Original Black Diamond serenaders.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Hotel Adelphia French room orchestra.

WOR, Newark, N. J. (405.2m-740kc), 6:30 p. m., Jacques Jacobs' Hotel Shelton ensemble.

WPG, Atlantic City, N. J. (299.8m-1000kc), 6:45 p. m., organ recital, Arthur Brook; 7, Hotel Morton dinner music; 7:30, bridge game; 8:15, glee club; 10, dance orchestra; 11, Silver Slipper Supper club, Eddie McKnight's dance orchestra.

WRC, Washington, D. C. (468.5m-640kc), 7 p. m., New Willard hotel orchestra; 8:30, WJZ; 9:20, WJZ; 10, WJZ; 10:30, Meyer Davis' Le Paradis band.

WRVA, Richmond, Va. (256.3m-1170kc), 8:15 p. m., Petersburg night.

RA

CLASS

Saturday,

Eastern	Central
6 p. m.	5 p. m.
WCX, WEAF, WMCA, WR	
7	6
KGO, KYW, WEAR, WE	
WOAW, WOK, WRC.	
8	7
KDKA, KFNF, KOIL,	
WGN, WMBB, WNYC,	
9	8
KFOA, KPRC, KHJ, K	
WLW, WORD, WSAI, W	
10	9
KNX, KYW, WEAF, W	
WOC, WORD.	
11	10
KGO.	
12 m	11
WOAW.	

Sunday,

Eastern	Central
6 p. m.	5 p. m.
WCAU.	
7:20	6:20
WCAE, WCAU, WEAF, W	
WTAG, WWJ.	
8	7
KYW, WAMD, WBZ, W	
WKAQ, WLS, WORD.	
9	8
KFDM, KPRC, KSD, W	
WCCO, WEAR, WGY,	
WQJ.	
9:15	8:15
WEEI, WJAR, WTAG.	
10	9
KHJ, KNX, KTHS, K	
WNYC, WOC, WQJ, W	
11	10
KFVE, KHJ, KNX, KPO	
WKRC, WOC.	
12 m	11
KHJ, KNX, WOC.	
1 a. m.	12 m
KNX.	

Monday,

Eastern	Central
6 p. m.	5 p. m.
KGO, WCX, WEAF, WM	
7	6
KMA, WCCO, WEAF,	
WOAW, WOK.	
8	7
KFNF, KSD, WBBR,	
WHAR, WHT, WJAR,	
WTIC.	
9	8
KFOA, KGO, KHJ, K	
WBZ, WCAE, WEEI,	
WLW, WORD, WOS.	
10	9
KMA, KPO, KPRC,	
WCCO, WEAF, WHAD,	
WTAG.	
11	10
KGW, KHJ, KMA, KSD	
WSAI.	
12 m	11
KGW, WBAP, WSAI.	
1 a. m.	12 m
KHJ.	

Tuesday,

Eastern	Central
6 p. m.	5 p. m.
WBZ, WCX, WEAF, WM	
7	6 5
KGO, KMA, WEAR, WEBJ, W	
WJR, WMAQ, WOAW, WOK, W	
WWJ.	
8	7 6
KFNF, KSD, KYW, WBZ, WC	
WCX, WEAR, WEEI, WGR, W	
WLS, WMBB, WQJ, WRC, WTI	

Tuesday, April

WGN, Chicago, Ill., (302.8m-990kc), 6:3
Drake concert ensemble, Blackstone s
6:45, old-time favorites; 6:55-7, "The M
8-9, WEAF; 9-10, studio program; 10-1
Henry; 10:10, old-time favorites; 10:2
10 40-11, studio ensemble.

WHAS, Louisville, Ky. (399.8m-750kc),
Carl Zoeller's melodists.

WHB, Kansas City, Mo. (365.6m-820kc),
dinner-hour concert, Linwood theater.

WHO, Des Moines, Iowa (526m-570kc),
Raleigh quintet; 8-9, varied musical pr
Banker- Life Corn Sugar orchestra.

WHT, Chicago, Ill. (399.8m-750kc), 6
organ recital, Al Carney; 6:10, Grayling
6:50, Diamond quartet, Loftis; 9:15
Cinderella cafe orchestra; 9:55, Kitchen
tainers; 9 50, popular song selections; 1

WIBO, Chicago, Ill. (225.4m-1330kc), 6-
ner program, string trio, vocal numbers
reader; Helen Collar, pianist; 12,
Fiorito, pianist; Dan Russo, violinist;
songs; Wayne Myers, monologist; Harol
Goodwin; Tennessee Gingersnaps.

WJJD, Mooseheart, Ill. (370.2m-810kc),
Palmer House symphonic players; Palm
2-3, Howard L. Peterson, organist; 4-5,
heart children; 5:50-7, Jack Nelson;
symphonic players; Palmer House Vict
L. Peterson, organist; 8-9, children;
studio; Rushmore ensemble singers;
Victorians; 12:30 a. m., Knights of th
Candle.

WKRC, Cincinnati, Ohio (422.3m-710kc), 10 p. m., E
gene Penazzo, organist; 11, Eddie Schoelwer, pianis
11:15, Ace Brizode and his Virginians; 11:35, blues
and ballads, Marie Turner.

WLIB, Chicago, Ill. (302 8m-990kc), 7:30-8 p. m.,
WEAF; 11-11:20, Correll and Gosden; 11:20-1 a. m.,
radio ensemble, dance music, harmony duos.

WLS, Chicago, Ill. (344.6m-870kc), 6:40 p. m., Maurie
Sherman's College Inn orchestra; 7:20-7:50, Madame
Julie Rive-King, pianist.

WLW, Cincinnati, Ohio (422.3m-710kc), 6 p. m., Nor-
rine Gibbons and her girl friend; 6:30, Jesse Albert,
tenor; Don McWalter, saxophonist; 7:30, piano mem-
ories, Mary Louise Woszczek; old time review, Cross-
ley Rural Corkers; 9, Formica orchestra; 10, dance
selections, Castle farm.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chi-
cago theater organ; 6:30, Hotel LaSalle orchestra;
8:20, musical program; 9:20, St. Leo's choir; 9:55,
Mitchell Tower chimes.

WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m.,
Genevieve Burnham, soprano; Arvid L. Anderson,
baritone; 9-11, orchestra; Joe Warner, Oxford girls.

WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m.,
musicale, Harry Kohn; 11, Britling Cafeterial or-
chestra.

WOAW, Omaha, Neb. (526m-570kc), 6:50 p. m., Ed
Myers and his Peony Park orchestra; 9, program,
p. m., First Methodist church.

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., dinner
concert, Brown Palace string orchestra.

Pacific Time Stations

CNRV, Vancouver, Can. (291.1m-1080kc), 8:30 p. m.,
McIntyre string quartet; pianist, cellist, violinists;
Mrs. C. McLean, soprano; 10:30, Cabaret Belmont or-
chestra, Bebe Mullar, soprano.

KFI, Los Angeles, Calif. (467m-640kc), 6:30 p. m.,
vest pocket program; 6:45, Radiotorial period; 7-7:30,
Chinese Gardens orchestra; 7:30-8, popular program;
8-9, Screen Artists string quartet; 9-10, varied pro-
gram; 10-11, Packard Ballad hour with usual Tues-
day night favorites.

KFOA, Seattle, Wash. (454.3m-660kc), 9-10 p. m.,
Pacific Northwest hour; 10-11, Jackie Souder's Club
Lido serenaders.

KFON, Long Beach, Calif. (232.4m-1280kc), 7-8 p. m.,
Prizma hour; 8-9, Pantages acts; 9-11, Long Beach
Aero club frolic; 11-12, State theater organ recital.

KFWB, Hollywood, Calif. (252m-1190kc), 8-9 p. m.,
Patrick-Marsh dance orchestra; Betty Patrick, soloist;
9-10, Len Nash and his original Country Boys dance
orchestra; 10-11, Warner Brothers frolic.

KGO, Oakland, Calif. (361.2m-830kc), 8-9 p. m., Eve-
ready program; Arthur Argiewicz, Eugene Bom, vio-

WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30 p. m.,
recital, N. Snellenburg and company; 8:10, Jeff Kane's
Musical Night Adventures; 8:35, Ruppert and Mc-
Cullough, banjoists; 9, Frank Davenport, baritone;
9:30, Maurice Patton, tenor, Harry Reudy, baritone,
9:45, dance music; 10:30, Carl Zoehrns and Lou
Herscher, songs; 10:45, Frank Cook, old-time songs,
11, Artie Bittong's Cheer-up club.

WEAF, New York, N. Y. (491.5m-610kc), 6 p. m.,
dinner music, Hotel Waldorf-Astoria; 7, synagogue
services, auspices of United Synagogue of America,
7:30, chamber musicale, WJAR; 8, Shinola Merry-
makers and the Gentlemen of 2 in 1, WTAG, WCAE,
WWJ, WJAR, WEEI, WOO, KSD, WOC, WCCO,
WCAP, WSAI, WGR; 8:30, Davis Saxophone octet,
WOO, WCAE, WSAI, WCAP, WJAR, WTAG, WEEI,
WGR; 9, Ipana troubadours, WEEI, WCAP, WWJ,
WCCO, WGR, WSAI, KSD, WLIB; 10, "Pinafore,"
WEAF Light Opera company; 11-12, Hughie Barrett
and orchestra.

WEBJ, New York, N. Y. (272.6m-1100kc), 8-8:30 p. m.,
Sambo's Jolly Friars; 8:45, Ben Ruty and Michael
Savino, Hawaiian guitar duets; 9, N. B. Jacobson,
baritone; 9:15-10, McLean's dance orchestra.

WEEI, Boston, Mass. (348.6m-860kc), 6:15 p. m., Joe
Rines and his Hunters Cabin orchestra; 8-10, WEAF.

baritone; 9:15, Laura G. Gaudet, pianist; 9:30, Esther
Nelson, organist; 10, WEAF.

WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner
concert; 8, News orchestra; 9, dance program; 10,
WEAF.

Central Time Stations

CNRW, Winnipeg, Can. (384.4m-780kc), 7:50 p. m.,
musical program, Ft. Garry hotel orchestra; 8:50,
Robert Jones, baritone; Taras Hubicki, violinist; Eleanor
Edmond, contralto; 10, supper-dance program, Irvin
Plumm and his Ft. Garry hotel orchestra.

KFAB, Lincoln, Neb. (340.7m-880kc), 8:30-10:30 p. m.,
Buick trio; Belshaw's orchestra; Mike Kopac, King
of the Ivories; Ed Ellingson, songbird.

KFRU, Columbia, Mo. (399.8m-750kc), 6:15 p. m., din-
ner music.

KMA, Shenandoah, Iowa (252m-1190kc), 6-7 p. m.,
popular music; 9-11, songs and clog dancing, Bob and
Babe Riddle; Willy Cunningham, farmer Scotchman.

KMOX, St. Louis, Mo. (280.2m-1070kc), 6 p. m., organ
recital, Arthur Utt; 6:30, organ recital, Mrs. Jacques
Landree; 7, orchestra; 8, Oscar Blanke, tenor; Helen
Brady; orchestra; 9, song cycle, Mountain and Plain
songs; 10, popular dance music.

RADIO PLAYS IMPORTANT ROLE THIS YEAR IN EASTER OBSERVANCES

CLASSICAL CONCERTS INDEX

Saturday, April 3

Eastern 6 p. m. — Central 5 p. m. — Mountain 4 p. m. — Pacific 3 p. m.
WCX, WEAF, WMCA, WREO
7 — 6 — 5 — 4
KGO, KYW, WEAR, WENR, WMAQ, WNYC, WOAW, WOK, WRC.
8 — 7 — 6 — 5
KDKA, KFNF, KOIL, KSD, KYW, WBBR, WGN, WMBB, WNYC, WOAW, WQJ.
9 — 8 — 7 — 6
KFOA, KPRC, KHJ, KYW, WHAS, WIP, WLW, WORD, WSAI, WSOE.
10 — 9 — 8 — 7
KNX, KYW, WEAF, WMAQ, WMC, WOAW, WOC, WORD.
11 — 10 — 9 — 8
KGO.
12 m — 11 — 10 — 9
WOAW.

Sunday, April 4

Eastern 6 p. m. — Central 5 p. m. — Mountain 4 p. m. — Pacific 3 p. m.
WCAU.
7:20 — 6:20 — 5:20 — 4:20
WCAE, WCAU, WEAF, WEAR, WEEI, WJAR, WTAG, WWJ.
8 — 7 — 6 — 5
KYW, WAMD, WBZ, WEAR, WGBS, WGCP, WKAQ, WLS, WORD
9 — 8 — 7 — 6
KFDM, KPRC, KSD, WBZ, WCAU, WCBD, WCCO, WEAR, WGY, WHAR, WHT, WNYC, WQJ
9:15 — 8:15 — 7:15 — 6:15
WEEI, WJAR, WTAG
10 — 9 — 8 — 7
KHJ, KNX, KTHS, KYW, WCCO, WFAA, WNYC, WOC, WQJ, WSOE.
11 — 10 — 9 — 8
KFVE, KHJ, KNX, KPO, KTHS, KYW, WHN, WKRC, WOC
12 m — 11 — 10 — 9
KHJ, KNX, WOC.
1 a. m. — 12 m — 11 — 10
KNX.

Monday, April 5

Eastern 6 p. m. — Central 5 p. m. — Mountain 4 p. m. — Pacific 3 p. m.
KGO, WCX, WEAF, WMCA, WREO, WWJ.
7 — 6 — 5 — 4
KMA, WCCO, WEAF, WEAR, WHAD, WJR, WOAW, WOK.
8 — 7 — 6 — 5
KFNF, KSD, WBBR, WBZ, WCAU, WCX, WHAR, WHT, WJAR, WLW, WMBB, WTAG, WTIC.
9 — 8 — 7 — 6
KFOA, KGO, KHJ, KPRC, WBBR, WCCO, WBZ, WCAE, WEEI, WHAD, WHO, WJAR, WLW, WORD, WOS
10 — 9 — 8 — 7
KMA, KPO, KPRC, KSD, KTHS, WAMD, WCCO, WEAF, WHAD, WJAR, WOAW, WSUI, WTAG.
11 — 10 — 9 — 8
KGW, KHJ, KMA, KSD, KTHS, KWSC, WHN, WSAI.
12 m — 11 — 10 — 9
KGW, WBAP, WSAI.
1 a. m. — 12 m — 11 — 10
KHJ.

Tuesday, April 6

Eastern 6 p. m. — Central 5 p. m. — Mountain 4 p. m. — Pacific 3 p. m.
WBZ, WCX, WEAF, WMCA, WREO, WWJ.
7 — 6 — 5 — 4
KGO, KMA, WEAR, WEBJ, WGBS, WHAD, WJR, WMAQ, WOAW, WOK, WOR, WTIC, WWJ
8 — 7 — 6 — 5
KFNF, KSD, KYW, WBZ, WCAE, WCAU, WCX, WEAR, WEEI, WOR, WHAR, WBT, WLS, WMBB, WQJ, WRC, WTIC.
Eastern 9 p. m. — Central 8 p. m. — Mountain 7 p. m. — Pacific 6 p. m.
KFDM, KFOA, KGO, KHJ, KLDS, KYW, WCAE, WCBD, WCCO, WEAF, WEEI, WGR, WHAS, WJAR, WLW, WMAQ, WOC, WORD, WTAG.
10 — 9 — 8 — 7
KFAB, KFDM, KFUO, KMA, KNX, KPRC, KTHS, WCAE, WCCO, WEAF, WEAR, WEEI, WLW, WMCA, WOC, WSAI, WSOE, WTAG.
11 — 10 — 9 — 8
KGO, KHJ, KMA, KYW, WSAI.
12 m — 11 — 10 — 9
KPO, KYW, WHO, WMC.

Wednesday, April 7

Eastern 6 p. m. — Central 5 p. m. — Mountain 4 p. m. — Pacific 3 p. m.
WCX, WEAF, WMCA, WREO, WWJ.
7 — 6 — 5 — 4
KGO, WEAR, WHAD, WJR, WMAQ, WOK, WTIC.
8 — 7 — 6 — 5
KFNF, KPRC, KSD, KYW, WAMD, WBZ, WCX, WEAF, WEEI, WHT, WLW, WMBB, WMCA, WQJ, WTAG, WWJ.
9 — 8 — 7 — 6
KFOA, KGO, KPRC, KSD, KYW, WBZ, WCCO, WDAF, WEEI, WGR, WHAD, WHAS, WJAR, WMAQ, WOR, WOS, WORD.
10 — 9 — 8 — 7
KFMX, KMA, KNX, KTHS, WAMD, WCCO, WEAF, WEEI, WOR, WHAD, WJAR, WLS, WMAQ, WNYC, WOC, WSOE.
11 — 10 — 9 — 8
KGO, KGW, KMA, KPO, KTHS, WCAE, WLS, WLW, WOC, WSAI.
12 m — 11 — 10 — 9
KGW, KPO, WHAD, WLW.
1 a. m. — 12 m — 11 — 10
WLW.

Thursday, April 8

Eastern 6 p. m. — Central 5 p. m. — Mountain 4 p. m. — Pacific 3 p. m.
WBZ, WCX, WEAF, WIP, WMCA, WREO, WWJ.
7 — 6 — 5 — 4
KGO, KSD, WEAF, WEAR, WGBS, WHAD, WJR, WMAQ, WOAW, WOK, WWJ.
8 — 7 — 6 — 5
KYW, WBBR, WBZ, WCAU, WCCO, WCX, WEAR, WEEI, WGR, WGY, WHAR, WHT, WLS, WLW, WMBB, WOAW, WQJ, WTAG, WTIC.
9 — 8 — 7 — 6
KHJ, KLDS, WBAP, WCAE, WCAU, WCBD, WCCO, WEAF, WEEI, WGR, WHAR, WHAS, WJAR, WNYC, WOC, WORD, WRC, WSAI, WSB, WTAG.
10 — 9 — 8 — 7
KNX, KPRC, KTHS, KYW, WAMD, WGR, WGY, WHAD, WMC, WOAW, WOC, WSAI.
11 — 10 — 9 — 8
KGO, KPO, KTHS, WBAP, WKRC.
12 m — 11 — 10 — 9
KGW, KPO, WHO, WKRC.

Friday, April 9

Eastern 6 p. m. — Central 5 p. m. — Mountain 4 p. m. — Pacific 3 p. m.
KGO, WCX, WMCA, WREO, WWJ.
7 — 6 — 5 — 4
KGO, WEBJ, WGY, WHAD, WJR, WMAQ, WOAW, WOK, WOR, WTIC.
8 — 7 — 6 — 5
KYW, WAHG, WAMD, WBZ, WCAU, WCX, WEBJ, WEEI, WHT, WLS, WQJ, WWJ.
9 — 8 — 7 — 6
KFDM, KFNF, KFOA, KGO, KHJ, KSD, KYW, WBAP, WBZ, WCAU, WDAF, WEEI, WHAD, WJAR, WMAQ, WMCA, WSAI
10 — 9 — 8 — 7
KFAB, KFDM, KOA, WCCO, WHAD, WMAQ.
11 — 10 — 9 — 8
KFMX, KHJ, KNX, KPO, WABQ.
12 m — 11 — 10 — 9
KPO.

"Ghosts of the Air" are the Phantoms of KPRC, below. They entertain in their novel fashion every other Saturday night from the topmost point in the City of Houston, from the skyline studios of the Houston Post-Dispatch. Phantionette, the tall and stately blond of vaudeville fame, is risking one eye to prove that she and her companion are very much alive. When Albert Stoessel and the New York Oratorio society appear over the WEAF chain Sunday, Ethyl Hayden, left, will be the soprano soloist. Grace Denison Schaffer, right, is the concert pianist who directs the Sunshine programs at WOAW.

FARMERS' PROGRAMS INDEX

Farmer Dinner Concerts

Daily Except Sunday

CENTRAL TIME
KFNF, 12:15-1:35 p. m.
KMA, 11:30-12:30
KSO, 12:30-1:30 p. m.
WLS, 12 noon.

Saturday, April 3

Eastern 1 p. m. — Central 12 noon — Mountain 11 a. m. — Pacific 10 a. m.
KPRC (296.9m-1010kc) Farmers' educational and musical program.
1:45 — 12:45 p. m. — 11:45 — 10:45
WOI (270m-1110kc) Soils, questions and answers.
8 — 7 — 6 p. m. — 5 p. m.
KDKA (309.1m-970kc) Farm program.
9:30 — 8:30 — 7:30 — 6:30
KFAU (280.2m-1070kc), Agricultural talk, question box.

Sunday, April 4

Eastern 3:30 p. m. — Central 2:30 p. m. — Mountain 1:30 p. m. — Pacific 12:30 p. m.
WFAA (475.9m-630kc), Sunday hour for farmers.

Monday, April 5

Eastern 12 noon — Central 11 a. m. — Mountain 10 a. m. — Pacific 9 a. m.
WRC (468.5m-640kc), Fifty Farm flashes
1:15 p. m. — 12:15 p. m. — 11:15 — 10:15
WOC (483.6m-620kc) "Rape—Our Greatest Emergency Forage for Swine."
WEAO (293.9m-1020kc), Timely Economic Information for the farmer, C. J. West.
1:35 — 12:35 — 11:35 — 10:35
KSAC (340.7m-880kc) "Winning the Weed Controversy," "Sweet Potato Seed Treatment."
1:45 — 12:45 — 11:45 — 10:45
WOI (270m-1110kc) "Tuberculosis in Livestock."
WMAQ (447.5m-670kc), Radio farm school.
7 — 6 — 5 p. m. — 4 p. m.
WGY (379.5m-790kc) Agricultural program.
7:45 — 6:45 — 5:45 — 4:45
WSOE (246m-1220kc) Hog Raising.
8 — 7 — 6 — 5
WOS (440.9m-680kc), Livestock questions and answers.
WTAG (267.7m-1120kc) "Grape Growing."
8:30 — 7:30 — 6:30 — 5:30
KUOA (299.8m-1000kc), "Farm Filosofy," Cy Adams: "Weaning, Vaccination and Castration of Spring Pigs." "How One Farm Woman Improved Her Home," "The First Cultivation of Cotton."
8:45 — 7:45 — 6:45 — 5:45
WCCO (416.4m-720kc) Farm lecture.
WOI (270m-1110kc) "Have You Planned Your Garden for 1926?"
10 — 9 — 8 — 7
KMTR (238m-1260kc) "Intensive Farming."
KOAC (280.2m-1070kc) Agricultural question box. "The Internal Parasites of Poultry."
10:30 — 9:30 — 8:30 — 7:30
KOAC (280.2m-1070kc) "Raising Sheep on Logged Off Land."
KWSC (348.6m-860kc) Washington Farm Situation.
10:45 — 9:45 — 8:45 — 7:45
KOAC (280.2m-1070kc) "Suggestions to Garden Club Workers."
11:05 — 10:05 — 9:05 — 8:05
KGO (361.2m-830kc) Farm program, "Agricultural Outlook."

Tuesday, April 6

Eastern 12 n. — Central 11 a. m. — Mountain 10 a. m. — Pacific 9 a. m.
WRC (468.5m-640kc) Fifty Farm flashes.
1:15 p. m. — 12:15 p. m. — 11:15 a. m. — 10:15 a. m.
WOC (483.6m-620kc) "Marketing the Young Stock."
1:35 — 12:35 — 11:35 — 10:35
KSAC (340.7m-880kc) "Green Feeds for Growing Chicks," "Gopher Arithmetic."
1:45 — 12:45 — 11:45 — 10:45
WMAQ (447.5m-670kc), Radio farm school.
WOI (270m-1110kc) "Animal Husbandry."
6:20 — 5:20 — 4:20 p. m. — 3:20 p. m.
WGY (379.5m-790kc) "The Strawberry."
9:30 — 8:30 — 7:30 — 6:30
KOA (322.4m-930kc) Farm question box.

Wednesday, April 7

Eastern 12 noon — Central 11 a. m. — Mountain 10 a. m. — Pacific 9 a. m.
WRC (468.5m-640kc), Fifty farm flashes.
1:15 p. m. — 12:15 p. m. — 11:15 — 10:15
WOC (483.6m-620kc) "Milk Per Acre of Corn."
1:30 — 12:30 — 11:30 — 10:30
WFAA (475.9m-630kc), Sears-Roebuck Agricultural program.
1:35 — 12:35 — 11:35 — 10:35
KSAC (340.7m-880kc) "As I Travel Over Eastern Kansas," "Coccidiosis of Poultry."
1:45 — 12:45 — 11:45 — 10:45
WMAQ (447.5m-670kc) Radio Farm school.
WOI (270m-1110kc), Poultry husbandry.
1:50 — 12:50 — 11:50 — 10:50
KFKX (288.3m-1040kc), "A B C's of Dairying," C. Long.
8 — 7 — 6 p. m. — 5 p. m.
WOS (440.9m-680kc), Evening market hour, poultry questions and answers.
10:30 — 9:30 — 8:30 — 7:30
KWSC (348.6m-860kc) "Silage Crops," "Purebred Queens Assist Beekeepers."

Thursday, April 8

Eastern 12 noon — Central 11 a. m. — Mountain 10 a. m. — Pacific 9 a. m.
WRC (468.5m-640kc) Fifty Farm flashes.
1:15 p. m. — 12:15 p. m. — 11:15 — 10:15
WOC (483.6m-620kc) "Soy Bean Seeding—the Time, Rate and Method."
1:35 — 12:35 — 11:35 — 10:35
KSAC (340.7m-880kc) "Early Spring Pig Pasture," "Spray Materials."
1:45 — 12:45 — 11:45 — 10:45
WMAQ (447.5m-670kc) Radio farm school.
WOI (270m-1110kc), Farm crops.
8:30 — 7:30 — 6:30 p. m. — 5:30 p. m.
WOI (270m-1110kc) "Good Equipment Makes a Good Farmer Better."
9:30 — 8:30 — 7:30 — 6:30
KOA (322.4m-930kc) Farm question box.

Friday, April 9

Eastern 12 noon — Central 11 a. m. — Mountain 10 a. m. — Pacific 9 a. m.
WRC (468.5m-640kc) Fifty Farm Flashes.
1:15 p. m. — 12:15 p. m. — 11:15 — 10:15
WOC (483.6m-620kc) Special Farm Service Day.
KTHS (374.8m-800kc) Farmers' Radio Chautauqua.
1:35 — 12:35 — 11:35 — 10:35
KSAC (340.7m-880kc) "Preparing for Hogs," "The Baby Beef Business."
1:45 — 12:45 — 11:45 — 10:45
WOI (270m-1110kc) Agricultural Economics.
8 — 7 — 6 p. m. — 5 p. m.
WOS (440.9m-680kc) Evening Market hour, Dairy questions and answers.
8:15 — 7:15 — 6:15 — 5:15
KSO (242m-1240kc) Farm talk.
8:30 — 7:30 — 6:30 — 5:30
WOC (483.6m-620kc) Question box.
8:45 — 7:45 — 6:45 — 5:45
WCCO (416.4m-720kc) "Landscape Gardening—Plant Material for the Home Grounds."

Tuesday, April 6

WGN, Chicago, Ill. (302.8m-990kc), 6:30-6:45 p. m., Drake concert ensemble, Blackstone string quintet; 6:45, old time favorites, 6:55-7, "The Million Sing"; 8-9, WEAF; 9-10, studio program, 10-10:10, Sam 'n' Henry; 10:10, old time favorites; 10:20, play shop; 10:40-11, studio ensemble.

WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., Carl Zoeller's melodists.

WHB, Kansas City, Mo. (365.6m-820kc), 7-7:45 p. m., dinner hour concert, Linwood theater.

WHO, Des Moines, Iowa (526m-570kc), 7:30-8 p. m., Raleigh quintet; 8-9, varied musical program; 11-12, Bankers Life Corn Sugar orchestra.

WHT, Chicago, Ill. (399.8m-750kc), 6 p. m., dinner organ recital, Al Carney; 6:10, Gravlin's string trio; 6:40, Diamond quartet, Lotti's, 9:15 (238m-1260kc), Cinderella cafe orchestra; 9:30, Kitchen Klenzer entertainers, 9:50, popular song selections; 12, Pat Barnes.

WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., dinner program, string trio, vocal numbers; Ruth Flick, reader; Helen Collar, pianist; 12, Jamboree, Ted Fiorito, pianist, Dan Russo, violinist; Marie Tully, songs; Wayne Myers, monologist; Harold Olson, Jack Goodwin; Tennessee Gingersnaps.

WJJD, Mooseheart, Ill. (370.2m-810kc), 12-1 p. m., Palmer House symphonic players, Palmer House trio, 2-3, Howard L. Peterson, organist; 4-5, music, Mooseheart children; 5:30-7, Jack Nelson; Palmer House symphonic players; Palmer House Victorians, Howard L. Peterson, organist, 8-9, children; 10-11, Gatel studio; Rushmore ensemble singer; Palmer House Victorians; 12:30 a. m., Knights of the Burning Candle.

WKRC, Cincinnati, Ohio (422.3m-710kc), 10 p. m., Eugene Perazzo, organist, 11, Eddie Schaefer, pianist; 11:15, Art Belrede and his Virginians, 11:45, blues and ballads, Marie Turner.

WLIB, Chicago, Ill. (302.8m-990kc), 7-10:8 p. m., WEAF, 11-11:20, Correll and Gosden; 11:20-1 a. m., studio ensemble, dance music, harmony duo.

WLS, Chicago, Ill. (344.6m-870kc), 6:40 p. m., Maurie Sherman's College Inn orchestra; 7:20-7:50, Madame Julie Rive King, pianist.

WLW, Cincinnati, Ohio (422.3m-710kc), 8 p. m., Norvine Gibbons and her girl friend, 8:30, Jesse Albert, tenor, Jim McWalter, xylophonist, 7-9, piano recitals, Mary Louise Woszczek; old time review, Charles Burnt Cedar; 9, Formica orchestra; 10, dance selections, Castle farm.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Hotel LaSalle orchestra, 8:20, musical program, 9:20, St. Leo's choir; 9:55, Mitchell Tower chimes.

WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Genevieve Burnham, soprano; Arvid L. Anderson, baritone, 9-11, orchestra, Leo Werner, Oxford girl

WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., musicale, Harry Kehn, 11, Britling, Cafeterial orchestra.

WOAW, Omaha, Neb. (526m-570kc), [illegible] Myers and the Peony Park orchestra, 9, [illegible]

Human-Van Brunt company; 10:30, Frank Hodek and his Nightingale orchestra; 12, orchestra.

WOC, Davenport, Iowa (483.6m-620kc), 5:45-6 p. m., chimes concert; 7-10-8, WEAF; 8-9, WEAF; 10-11, Presbyterian church choir.

WOK, Chicago, Ill. (217.3m-1380kc), 7 p. m., Capitol theater organ; Pat Hosler, tenor; 10-1:30 a. m., Tearney's Town Club orchestra; Husk O'Hare's Cocoanut Grove orchestra; Capitol theater program; program.

WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9-10 p. m., Ye Olde Tyme Songe Feste; 10-11, Van Wyck instrumental quartet; 11-12 midnight, Henry Ford old-time dance.

WORD, Batavia, Ill. (275m-1090kc), 7 p. m., Public Service Company of Northern Illinois program; 9, Glenn Dillard Gunn School of Music.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Garden concert orchestra; Clement Laskowski, tenor; Mary House, pianist; Otis Pike Jester, soprano; 10-1 a. m., Rainbo Skylarks; Jerry Sullivan; Rose Vanderbosch, soprano and pianist; Everett Opie, character reader; Ila Shannabrook, soprano; Will Rossiter, Romo Vincent; Johnny Peat, Harold Olson, baritones; Tell Taylor, tenor; 1-2, Ginger hour.

WRR, Dallas, Texas (245.8m-1220kc), 6-7 p. m., Jack Gardner's orchestra; 8-9, musicale program, Montgomery.

WSAI, Cincinnati, Ohio (325.9m-920kc), 7 p. m., WEAF, 7:30, musicale; 8, WEAF; 9, bridge game; 9:30, Hawaiian music.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., entertainment; 10:45, Green Room frolic, Loew's Grand theater.

WSM, Nashville, Tenn. (282.8m-1060kc), 10 p. m., frolic, Beasley Smith's orchestra.

WSOE, Milwaukee, Wis. (245.8m-1220kc), 9 p. m., classical musical program, Barden Mannetchot.

Mountain Time Stations

CNRR, Regina, Can. (476m-640kc), 8 p. m., Melody Boys' orchestra.

KFXF, Colorado Springs, Colo. (250m-1200kc), 8:30 p. m., First Methodist church.

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., dinner concert, Brown Palace string orchestra.

Pacific Time Stations

CNRV, Vancouver, Can. (291.1m-1080kc), 8:30 p. m., McIntyre string quartet, pianist, cellist, violinists, Mr. C. McLean, soprano; 10:30, Cabaret Belmont orchestra, Bebe Mullar, soprano.

KFI, Los Angeles, Calif. (467m-640kc), 6:30 p. m., vest pocket program; 6:45, Radiotorial period, 7-7:30, Chinese Gardens orchestra, 7:30-8, popular program, 8-9, Screen Artists string quartet; 9-10, varied program; 10-11, Packard Ballad hour with usual Tuesday night favorites.

KFOA, Seattle, Wash. (454.3m-660kc), 9-10 p. m., Pacific Northwest hour; 10-11, Jackie Souder's Club Lido serenaders.

KFON, Long Beach, Calif. (232.4m-1280kc), 7-8 p. m., Prizma hour, 8-9, Pantages acts; 9-11, Long Beach Aero club frolic; 11-12, State theater organ recital.

KFWB, Hollywood, Calif. (252m-1190kc), 8-9 p. m., Patrick Marsh dance orchestra, Betty Patrick, soloist; 9-10, Len Nash and his original Country Boys dance orchestra; 10-11, Warner Brothers frolic.

KGO, Oakland, Calif. (361.2m-830kc), 8-9 p. m., Ensemble, Arbitt Arakelian, Eugene Bem, violinists; Les Shorr, pianist; 9:10-9:30, Parthenia, 10-12, Madison's Midshipmen.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 10-12, Herman Kenin's dance orchestra.

KHJ, Los Angeles, Calif. (405.2m-740kc), 8-10 p. m., program, Builders' Finance association.

KJR, Seattle, Wash. (384.4m-780kc), 7-8:30 p. m., musical program, Cornish school artistic ensemble; 8:30-10, orchestra.

KMTR, Hollywood, Calif. (238m-1260kc), 6-7 p. m., Starr Piano company studio; 7:45, Hollywood Community sing from Hollywood high school auditorium, 8-10, KMTR concert orchestra.

KNX, Hollywood, Calif. (336.9m-890kc), 6:30-7 p. m., Atwater Kent orchestra; 7-7:30, program, Roy L. Donley, Inc; 8-9, program, Globe Ice Cream and Weber Bread; 9-10, Western Auto Supply company; 10-12, Ray West's Ambassador hotel dance orchestra.

KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7 p. m., States Restaurant orchestra; 7-7:30, Fairmont hotel orchestra; 8:10-9, Swiss band; 9-10, Gypsy and Marta; 10-11, Rose room dance orchestra; 11-12 midnight, Henry Halstead's dance orchestra.

KPSN, Pasadena, Calif. (315.6m-950kc), 8-9 p. m., Star News concert hour, Adolf Tandler instrumental group, artists.

KTAB, Oakland, Calif. (239.9m-1250kc), 8-9 p. m., Mills college.

Wednesday, April 7

Headliners Today

Eastern 7:30 p. m. — Central 6:30 p. m. — Mountain 5:30 p. m. — Pacific 4:30 p. m.
WEEI (348.6m-860kc) Wellesley President.
8 — 7 — 6 — 5
WBZ (333.1m-900kc) Old-Fashioned concert.
10 — 9 — 8 — 7
KHJ (405.2m-740kc) Music Memory contest.
KMOX (280.2m-1070kc) Mountain and Plain songs.
KTHS (374.8m-800kc) Grand opera gems.
11 — 10 — 9 — 8
WLW (422.3m-710kc) Crescendon Instrumental trio.
WSM (282.8m-1060kc) Mandolin club.
11:45 — 10:45 — 9:45 — 8:45
KTHS (374.8m-800kc) Hot Springs Harmony twins.
1 a. m. — 12 — 11 — 10
KFWB (252m-1190kc) Warner Brothers' frolic.

Wednesday, silent night for: CHIC, CKAC, CKNC, CNRA, CNRC, CNRE, CNRM, CNRR, CNRT, CNRV, KFAU, KFXF, KGO, KLDS, KMMJ, KOB, KOIL, KPSN, KSAC, KTAB, KUOA, WABQ, WAIU, WBAL, WBAP, WBBR, WCAL, WCBD, WEBW, WFAA, WGBF, WGBS, WGCP, WHAR, WHAZ, WIP, WJAD, WJAZ, WLWL, WMC, WOAI, WOAW, WOI, WPG, WRC, WRR.

Eastern Time Stations

CNRO, Ottawa, Can. (435.8m-688kc), 8 p. m., Chateau Laurier concert orchestra; 9, studio program; Chateau Laurier dance orchestra.

KDKA, Pittsburgh, Pa. (309.1m-970kc), 6:30 p. m., dinner concert, 8:30, concert, Pennsylvania railroad.

WAHG, Richmond Hill, N. Y. (315.6m-954kc), 7:30 p. m., Music Male Bellevo; 8, Michael Lambertl, cellist; 8:15, Augustine Jaquillard, soprano; 9, The Four Gondoliers; 9:40, Augustine Jaquillard, soprano; 10:02, joint recital: Milton Schwartz, violinist; Milton Katz, pianist; 10:30, Colonial dance orchestra.

WBZ, Springfield, Mass. (333.1m-900kc), 6:30 p. m., Hotel Kimball dance orchestra; 6:45, Hotel Lenox ensemble; 7, orchestra; 9, old-fashioned concert, Operatic quartet; 9, WBZ concert company.

WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert; 8-9, WEAF; 9, Dormont Baptist orchestra; 10, Kramer's orchestra.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30 p. m., recital, N. Snellenburg and company; 8:10, Jeff Kane's Musical Night Adventures; 8:45, Ruppert and McCulloch, banjoists; 9, Frank Davenport, baritone, 9:30, Maurice Patton, tenor, Harry Ready, baritone, 9:45, dance music; 10:30, Carl Zoehns and Lou Herscher, songs; 10:45, Frank Cook, old-time songs, 11, Artie Batteig's Cheer up club.

WEAF, New York, N. Y. (491.5m-610kc), 6 p. m., dinner music, Hotel Waldorf-Astoria; 7, synagogue services, auspices of United Synagogue of America, 7:30, chamber musicale, WJAR, 8, Shinola Merrymakers and the Gentlemen of 2 in 1, WTAG, WCAE, WWJ, WJAR, WEEI, WOO, KSD, WOC, WCCO, WCAP, WSAI, WGR, 8:30, Dual Saxophone octet, WOO, WCAE, WSAI, WCAP, WJAR, WTAG, WEEI, WGR, 9, Ipana troubadours, WEEI, WCAP, WWJ, WCCO, WGR, WSAI, KSD, WLIB; 10, "Pinafore," WEAF Light Opera company; 11-12, Hughie Barrett and orchestra.

WEBJ, New York, N. Y. (272.6m-1100kc), 8-8:30 p. m., Sambo's Jolly Friar; 8:45, Ben Roby and Michael Savino, Hawaiian guitar duets; 9, N. B. Jacobson, baritone; 9:15-10, McLean's dance orchestra.

WEEI, Boston, Mass. (348.6m-860kc), 6:15 p. m., Joe Rines and his Hunters Cabin orchestra, 8-10, WEAF.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra.

WGBS, New York, N. Y. (315.6m-950kc), 6:30 p. m., Jersey collegians; 7, inspirational half hour.

WGHB, Clearwater, Fla. (265.3m-1130kc), 6:30-7:30 p. m., dinner music; 8:30-10, Caroline Lee; Marion Hoffman, pianist; 11:45-1 a. m., Tar-Heel orchestra.

WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., Gospel Melodists; 8, WEAF; 10, Wills Wallpaper stores program; 10:30, Fife Bros., in "The Log Cabin" program; 11, Billy McDermott presents the K. O. Brennan serenaders.

WGY, Schenectady, N. Y. (379.5m-790kc), 7 p. m., Eastman theater; 8.05, Rochester.

WHN, New York, N. Y. (361.2m-380kc), 7:30 p. m., Loew's Lexington organ recital; 8, Vogue entertainers; 9, Loew's New York orchestra; 9:30, Daven Radio entertainers; 10, Roseland dance orchestra; 12, Cotton club orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin hotel concert orchestra; 7, violin solo, Oscar Yeager; banjo-mandolin solo, Albert Genderbein.

WJZ, New York, N. Y. (454.3m-660kc), 7.15 p. m., Hotel Commodore concert orchestra; 8:30, Lewisohn Free Chamber music concert; 10.45, George Olsen's Hotel Pennsylvania Grill orchestra.

WLIT, Philadelphia, Pa. (394.5m-760kc), 8 p. m., recital; 10, Arcadia cafe dance orchestra.

WMAK, Buffalo, N. Y. (265.3m-1130kc), 7:30 p. m., readings, Mrs. Burton Fletcher; Lyman Gearhart, baritone; 8-9, musical program; 9-9:30, Silver Leaf male quartet; 9:30-10:30, musical program.

WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Olcott Vail and Hotel McAlpin orchestra; 6:30, Ernie Golden and Hotel McAlpin orchestra; 8:30, American Schools Assn. musical program; 9, Mamaroneck night; 10, Creole Follies; 11, Hofbrau Haus entertainers; 11:30, Jack Denny's orchestra; 12, McAlpin entertainers, 12:15, Parody orchestra.

WNYC, New York, N. Y. (526m-570kc), 6:20 p. m., piano selections; 7:35, orchestra; 8:30, Leon Goldman, violinist; 9, piano recital; 9:30, song recitals.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Ritz Carlton concert orchestra; 8, WEAF; 8:30, WEAF; 10, Fox theater concert; 10, Ritz Carlton orchestra.

WOR, Newark, N. J. (405.2m-740kc), 6:30 p. m., Jacques Jacobs' Hotel Shelton ensemble; 7:30, Zit's Central Park Casino ensemble; 9, Gertner's string quartet; 11.15, Billy Rose Fifth Avenue club orchestra.

WRVA, Richmond, Va. (256.3m-1170kc), 7:30 p. m., Lawrenceville night; 10.10, Ernest H. Cosby.

WTAG, Worcester, Mass. (267.7m-1120kc), 8-8.30 p. m., WEAF; 8.30-9, WEAF; 9-10, concert program; 10-11, WEAF.

WTIC, Hartford, Conn. (475.9m-630kc), 6:30 p. m., trio; 8, Lester E. Wheeler, tenor; 8:30, Raymond Herrup, baritone; 9.15, Laura G. Gaudet, pianist; 9:30, Esther Nelson, organist; 10, WEAF.

WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 8, News orchestra; 9, dance program; 10, WEAF.

Central Time Stations

CNRW, Winnipeg, Can. (384.4m-780kc), 7:30 p. m., musical program, Ft. Garry hotel orchestra; 8:50, Robert Jones, baritone; Taras Hubicki, violinist; Eleanor Edmond, contralto; 10, supper-dance program, Irvin Plumm and his Ft. Garry hotel orchestra.

KFAB, Lincoln, Neb. (340.7m-880kc), 8:30-10:30 p. m., Buick trio; Belshaw's orchestra; Mike Kopac, King of the Fiddles; Ed Ellingson, songbird.

KFRU, Columbia, Mo. (399.8m-750kc), 6:15 p. m., dinner music.

KMA, Shenandoah, Iowa (252m-1190kc), 6-7 p. m., popular music, 9-11, songs and clog dancing, Bob and Babe Riddle; Willis Cunningham, farmer Scotchman.

KMOX, St. Louis, Mo. (280.2m-1070kc), 6 p. m., organ recital, Arthur Utt; 6:30, organ recital, Mrs. Jacques Landree; 7, orchestra; 8, Oscar Blanke, tenor; Helen Brady; orchestra; 9, song cycle, Mountain and Plain songs; 10, [illegible] dance music.

DANCING

Central Time

Saturday, April 3: 8, Wjr, Wnyc, Wpg; 8:30, Wfaa; 8:35, Wgy; 9, Webh, Weel, Wmbb, Wnyc, Wreo, 9:10, Kths, Wip; 9:30, Kths, Wgbs, Wor, Wrc; 10, Kfve, Kfwa, Koil, Kpo, Weaf, Wgn, Wjr, Wkrc, Wmca, Wnyc, Wqj, Wqj, Wreo, Wtam; 10:05, Wcco; 10:30, Wamd; 10:45, Wls; 11, Kfpg, Kfwa, Kfwb, Kpo, Webh, Wfaa, Wgbu, Whb, Woc; 11:30, Kfoa; 11:45, Wdaf; 12, Kfwa, Kgo, Kgw, Knx, Wgbu, Wjjd.

Monday, April 5: 8, Wgcp; 9, Weel, Wgbu, Wjar, Wor; 9:15, Wahg; 10, Kths, Wgbu, Wgcp, Wgr, Wqj, Wpg; 10.15, Wor; 10:30, Kfoa, Wgcp, Whn; 11, Kgw, Koil, Wgbu, [illegible], Wgr, Whn, Who; [illegible], Wdaf; 12, Knx, Kpo.

Tuesday, April 6: 9, Webh, Wgbu, Wmbb; 9:30, Weaf, Wgbs, Wgy, Wip; 9:[illegible], Wnyc; 10, Kfve, Wbbm, Weaf, Webh, Wgbu, Wgn, Whn, Wmca, [illegible], Wpg; 10.15, Kths; 10:[illegible], Kths, Whn; 10.45, [illegible]; 11, Kgw, Koil, [illegible], Whn; 11:30, Kfoa; [illegible], Wdaf; 12, Kgw, [illegible], Knx, Kpo, Wdaf; 1, Wqj.

Wednesday, April 7: 9, Wcx, Webh, Wgbu, Wgcp, [illegible], Who, Wmbb, Wmca, Wtic; 9:15, Wahg, Wbap, Who, Wor; 10, Kfve, Wbap, Weaf, Wgbu, Wgcp, Wqj; 10:05, Wcco; 10:30, Wbap, [illegible]; 11, Koil, Kpo, Webh, Wgbu, Wgcp, [illegible], Whn; 11:45, Wdaf; 12, Kfwa, Knx, Kpo, [illegible].

Thursday, April 8: 8, Wjr; 9, Webh, Weel, Wgbu, Whn, Wjr, Wmbb, [illegible], Wtag; 9.05, Wbz, Wgbs, Wgy, 9.35, Wnyc; 10, Kths, Wbbm, Weaf, Wgbu, Wmca, Wpg, Wqj, [illegible], Kths, Whn, Webh, Whn, Woc; 11:45, [illegible]; 12, Kgo, Khj, Kpo, Wjjd.

Friday, April 9: 8, Wcx, Webh, [illegible], Wgbu, Wgcp, Weel, Wmbb, Wahg; 9:30, [illegible]; 10, Kfve, [illegible], Wgbu, Wgcp, [illegible], Wqj.

KPRC, Houston, Texas (296.9m-1010kc), 7:30 p. m., Jack Willrich's orchestra; 8:30, Frank Tilton; 11, Vaughan's Virginians.

KSD, St. Louis, Mo. (545.1m-550kc), 7-7:30 p. m., WEAF; 7:30, Hotel Statler orchestra; 8, WEAF.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9-9:30 p. m., grand opera gems; 9:30-9:45, Violet Belding, contralto; 9:45-10, heart songs; 10-10:45, Southerners orchestra; 10:45-11, Hot Springs Harmony twins.

KYW, Chicago, Ill. (535.4m-560kc), 6-6:15 p. m., dinner music, KDKA; 6:30-7, dinner concert; 7:30-8, half hour of music; 8, musicale, Sherwood School of Music; 10-12 midnight, midnight revue; 12-1 a. m., Insomnia club.

WAMD, Minneapolis, Minn. (243.8m-1230kc), 7:10 p. m., classical program, W. E. Peterson, bass; Ida Sorenson, contralto; Margaret Arnold, pianist; Cornelius Schwarbel, violinist; 11, Skyrocket frolic, George Osborn and his orchestra.

WBAP, Fort Worth, Texas (475.9m-630kc), 6-6:30 p. m., Texas hotel orchestra.

WBBM, Chicago, Ill. (225.4m-1330kc), 8-10 p. m., Barber Shop quartet; Alemite orchestra; Billy Spears, tourist bureau; 9-9:15, old song period; Philip Nilles, tenor; Floyd Falch; 12-2, Alemite orchestra; Harold Anderson, accordionist; Sy Berg, Bob Witt.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 7 p. m., WEAF; 8, WEAF; 9, Nash-Finch concert orchestra; 10.05, Wallie Erickson's Coliseum orchestra.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., Trianon ensemble; 8-10, Star's Radio orchestra; 11:45-1 a. m., Hotel Muehlbach.

WEBH, Chicago, Ill. (370.2m-810kc), 7 p. m., Oriole orchestra; 8, Oriole string trio; 9-9:15, news flashes, 9:15-10, Frank Bordner, songs; Florence Behrend, soprano; 11-12:30 a. m., Oriole orchestra; Florence Behrend; Irene Beasley, impromptu review; Bernice Follis; Oriole orchestra.

WEMC, Berrien Springs, Mich. (285.5m-1050kc), 8:15 p. m., Mr. and Mrs. Albert L. Chaney, pianists; Miss Reed, guitarist; Thomas Johnson, baritone.

WGN, Chicago, Ill. (302.8m-990kc), 6:30-6:45 p. m., Drake concert ensemble, Blackstone string quintet 6:45, old-time favorites; 6:55-7, "The Million Sing", 9-10, studio program; 10-10:10, Sam 'n' Henry; 10:10-10:20, old-time favorites; 10:20, play shop; 10:40-11, studio ensemble.

WHAS, Louisville, Ky. (399.8m-750kc). 7:30-9 p. m., Masqueraders.

WHB, Kansas City, Mo. (365.6m-820kc), 7-8 p. m., Milo Finley trio; Burt Beuder, soloist; Selna Maddock, pianist.

WHO, Des Moines, Iowa (526m-570kc), 6-7 p. m., Bankers Life Little symphonic orchestra; 7:15-8:15, Irene Dorans orchestra; 8:15-9, Kate Miller, whistler; Maude Hughes, accompanist; Harry Lewis, popular songs; Norman Broholm, pianist; Norman Jackson, Hawaiian guitarist; 9-12, dance programs.

WHT, Chicago, Ill. (399.8m-750kc), 6 p. m., Peter Porstner; Helen Rauh, pianist; 7:45-9:15, Cinderella cafe orchestra; 9:30, Al Carney and Pat Barnes; 10:05, Ray-O-Vac concert; 11:15, Cinderella cafe orchestra; 11:30, Pat Barnes and Al Carney; 12, Pat Barnes and Al Carney.

WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., dinner concert, string trio; Charles Champlin, baritone; Christopher Hendra, tenor; Earl Bigelow, pianist; 10-12, popular program, Marie Tully, songster; Wayne Myers, reader; Melody Strummers; Tommy Smith, songster; Melody three; Vic Fredericks.

WKRC, Cincinnati, Ohio (422.3m-710kc), 6 p. m., dinner music, Alvin Roehr and his Hotel Alms orchestra; 8:15, Winnie Pippin, soprano; Oliver Plunkett, tenor; 9, instrumental quintet, soloist; 12 midnight, Wesley Helvey and his orchestra.

WLIB, Chicago, Ill. (302.8m-990kc), 7:30-7:40 p. m., Auld Sandy; 7:40-8, musical program; 8-9, WEAF, 11-11:20, Correll and Gosden; 11:20-1 a. m., studio ensemble, dance music, harmony duos.

WLS, Chicago, Ill. (344.6m-870kc), 6:40 p. m., Maurie Sherman's College Inn orchestra, 7:30, Chicago Heights Women's club chorus; 8:30, WLS trio; 9, Garrett Preachers quartet; 9:30, Ralph Emerson, organist; 10, College Inn orchestra; 11-1, WLS circus.

WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., Hotel Gibson orchestra; 10, Crescendon instrumental trio; 10:20, Crosley male quartet; 10:30, concert, West Night high school glee club; 11, the Crosley male quartet; 11:15, Maids of Melody, Grace Donaldson and Hortense Rhodes; 11:30, organ, Johanna Grosse.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Hotel LaSalle orchestra; 9:55, WMAQ players; chimes.

WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., artists; 9-11, Trianon orchestra; Hawaiian guitar duo.

WOC, Davenport, Iowa (483.6m-620kc), 5:45-6 p. m., chimes concert; 7-7:30, WEAF; 9-9:30, Erwin Swindell, organist; 9:30-10:30, musical program, Augustana college; 10:30, Little Jack Little, entertainer.

WOK, Chicago, Ill. (217.3m-1380kc), 7 p. m., Capitol theater organ; program; 10 p. m.-1:30 a. m., Tearney's Town club orchestra; Husk O'Hare's Cocoanut Grove orchestra; Capitol theater program; program.

WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9-12 midnight, "16-Fingered Paul," Jim Forshey, ABC Washer tenor; Sid Goldman, Ruth Glaser.

WORD, Batavia, Ill. (275m-1090kc), 7 p. m., North Shore line; 9, Webster hotel concert trio.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Ralph Williams and his Rainbo Gardens concert orchestra; Leo Miller, violinist; Milton Sherman, pianist; Lorena Anderson, soprano; Edmund Kelly, baritone; 10-1 a. m., Ralph Williams and his Rainbo Skylarks; Melodians; Clarence Theders, tenor; Joe Warner, character songs; Oxford girls, Gail Bandell, artists; 1-2, Ginger hour.

WSAI, Cincinnati, Ohio (325.9m-920kc), 6:45 p. m., chimes; 7-8, WEAF; 9, musicale; 10:15, quartet.

WSB, Atlanta, Ga. (428.3m-700kc), 10:45 p. m., Biltmore hotel orchestra.

WSBT, South Bend, Ind. (275.1m-1090kc), 7:15 p. m., orchestra, concert.

WSM, Nashville, Tenn. (282.8m-1060kc), 6:30 p. m., Francis Craig's orchestra; 8, Mary Cornelia Malone, soprano; 10, Vanderbilt university, Mandolin club.

WSOE, Milwaukee, Wis. (245.8m-1220kc), 9 p. m., musical selections.

Mountain Time Stations

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., dinner concert, Brown Palace string orchestra; 8, instrumental program, Scheuerman's Colorado orchestra; 8:15, staff artists; Hulda Edwards, soprano; Ralph Freese, tenor; Ina Rains, soprano; Julian Riley, violinist; G. Ralph Crowder, pianist; 10, dance program, Broadmoor Rhythm Rustlers.

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-640kc), 6:30 p. m., vest pocket program; 6:45, Radiotorial period; 7-7:30, Synchrophase string ensemble; 8-9, Ventura Refining company; 9-10, Chevrolet orchestra; 10-11, popular song program.

KFOA, Seattle, Wash. (454.3m-660kc), 7-8:15 p. m., Hopper Kelly company studio program.

KFON, Long Beach, Calif. (232.4m-1280kc), 7-8 p. m., program, Prest & Dean Electric company; 8-9, Press-Telegram studio; 9-11, Prizma hours; 11-12, State theater organ recital.

KFWB, Hollywood, Calif. (252m-1190kc), 8-9 p. m., Sphinx Oil orchestra; Dan Gridley, tenor, Estelle Shake, blues singer; 9-9:30, Bill Hatch's Oakmont Country club orchestra; 9:30-10, Mutual Motors mirth contest; 10-11, Warner Brothers frolic.

KGO, Oakland, Calif. (361.2m-830kc), 6-6:55 p. m., Amphion trio.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-9, concert; 9-10, vocal and instrumental music; 10-11, concert.

KHJ, Los Angeles, Calif. (405.2m-740kc), 7:30 p. m., Music Memory contest program, Huntington Park high school orchestra; 8-10, program, California Valencia Orange show.

KJR, Seattle, Wash. (384.4m-780kc), 7-8:30 p. m., Sears-Roebuck and company program, Bab's lady orchestra; 8:30-10, Post-Intelligencer studio program.

KMTR, Hollywood, Calif. (238m-1260kc), 6-7 p. m., Hawaiian Silver string quartet; 8-10, KMTR concert orchestra, Loren Powell, director; 10-11, Starr Piano company studio.

KNX, Hollywood, Calif. (336.9m-890kc), 6:30 p. m., Atwater Kent concert orchestra; 7-7:30, program, Dellarowe Drug company; 7:30-8, KNX feature program; 8-9, studio program; 9-11, dance music, Joe Daley's 165 grocery stores; 11-12, Ray West's Cocoanut Grove dance orchestra.

KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7 p. m., States Restaurant orchestra; 8-9, Atwater Kent artists; 9-10, Goodrich Silvertown Cord orchestra; 10-11, States Restaurant orchestra; 11-12, Henry Halstead's orchestra.

KTAB, Oakland, Calif. (239.9m-1250kc), 8-10 p. m., Western States Life Insurance company program.

KWSC, Pullman, Wash. (384.6m-860kc), 7:30-9 p. m., Joe M. Mayer, accordionist; Ben Leshman, violinist; Frances Chestnut, pianist.

Thursday, April 8

Headliners Today

Eastern 10:30 a. m. — Central 9:30 a. m. — Mountain 8:30 a. m. — Pacific 7:30 a. m.
WJZ (454.3m-660kc), WRC (468.5m-640kc) President Coolidge.
8:15 p. m. — 7:15 p. m. — 6:15 p. m. — 5:15 p. m.
WIP (508.2m-590kc) Etude hour.
8:30 — 7:30 — 6:30 — 5:30
WJZ (454.3m-660kc), WRC (468.5m-640kc) "The Desert Healer," picture.
9 — 8 — 7 — 6
KDKA (309.1m-970kc) Valley Mandolin club.
KLDS (440.9m-680kc) International program.
WHB (365.6m-820kc) Band concert.
WSB (428.3m-700kc) West Point band.
9:30 — 8:30 — 7:30 — 6:30
KPRC (296.9m-1010kc) Eda Adams, Sweetheart of the Air.
9:50 — 8:50 — 7:50 — 6:50
WMAQ (447.5m-670kc) Debate.
10 — 9 — 8 — 7
WJZ (454.3m-660kc), WRC (468.5m-640kc) Record boys.
10:50 — 9:50 — 8:50 — 7:50
WHT (399.8m-750kc) "A Buck on Leave."
11 — 10 — 9 — 8
KGW (491.5m-610kc) Vaudeville.
12 — 11 — 10 — 9
WBAP (475.9m-630kc) "A Step On the Stairs."

Thursday, silent night for: CHIC, CKNC, CNRA, CNRE, CNRO, CNRR, CNRT, CNRV, CNRW, KFAB, KFAU, KFMX, KFOA, KFUO, KFWA, KLX, KMOX, KOA, KOAC, KOB, KSAC, KWSC, PWX, WABQ, WAFD, WAHG, WAIU, WCAP, WCEE, WDOD, WEAO, WEBJ, WEBW, WEMC, WGBF, WHAD, WHAZ, WJJD, WMAK, WMAZ, WOOD, WOR, WOS, WSM, WSUI, WTAM.

Eastern Time Stations

CNRM, Montreal, Can. (410.7m-730kc), 7:30-8:30 p. m., vocal program, Juvenile Winners of instrumental, vocal program, Juvenile Winners of Medals, Montreal's Fourth Annual Music week contest; 8:30, Hawaiian music night, CNRM Hawaiian orchestra; A. McGuirl, Hawaiian guitarist; Viola Benoit, soprano.

KDKA, Pittsburgh, Pa. (309.1m-970kc), 6:30 p. m., dinner concert, 8:30, "Sir Arthur Seymour Sullivan," orchestra; 9, Valley Mandolin club; 11, Pittsburgh Post midnight revue.

WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., orchestra; 7:30-8, Frederick D. Weaver, organist; 8-10, Lillian Henderson, soprano; Georgie Kelly, contralto; Harry Rosenberger, baritone; Ruth Truitt, violinist; Florence Walden Otey, pianist.

WBBR, New York, N. Y. (272.6m-1100kc), 8 p. m., George Twaroschk, violinist; Walter Twaroschk, tenor.

WBZ, Springfield, Mass. (333.1m-900kc), 6.30 p. m., dance orchestra; 6:15, Hotel Lenox ensemble; 7, Hotel Kimball dance orchestra; 7:30, Anthony B. Valentine, banjo-guitarist; George Nicholson, banjo-mandolinist; 8, Noyes-Buick company; 9, Anna Wollman, soprano; Dorothy Birchard Mulroney, pianist; 9:30, Arthur Clifton, organist; 10:05, Cook's Butterfly ballroom.

WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert, 8-11, WEAF.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:30 p. m., Billy Hayes and his orchestra; 7.40, Snellenburg symphony orchestra; 8, Norman Barr, baritone; Virginia Klein, pianist; 8:15, Eight Bright Boys; 8:45, the Kandy Kids; 9, Barry O'Moore, the Irish tenor; 9:30, the Musical chefs; 9:45, comedy lesson, Professor Doolittle; 10, Sesqui Centennial hour; 11, Ralph Jackson and his orchestra; 11:30, Club Madrid revue.

WEAF, New York, N. Y. (491.5m-610kc), 6 p. m., dinner music, Hotel Waldorf Astoria; 7:30, Hires' Harvesters; 8, Clicquot Club Eskimos; 9, Silvertown Cord orchestra; 10.30, Vincent Lopez and orchestra direct from Casa Lopez.

WEEI, Boston, Mass. (348.6m-860kc), 6:15 p. m., Carl W. Wood, bass; Mildred R. Reed, soprano; E. Rupert Sleom, accompanist; 7:30, Rickenbacker's old homestead group; 8:10, WEAF.

WFI, Philadelphia, Pa. (394.5m-760kc), 7 p. m., Bellevue Stratford dance orchestra; 8-11, WEAF.

WGR, Buffalo, N. Y. (319m-940kc), 6.30 p. m., Vincent Lopez Hotel Statler dance orchestra; 9, WEAF.

WGBS, New York, N. Y. (315.6m-950kc), 7:30 p. m., Hotel Seville orchestra; 8:30, Oliver Saylor, "Footlight and Lamplight"; 9, Crystal Palace orchestra, 9:30, old time minstrels.

WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., Ten Eyck trio; 7:45, Syracuse university; 9, WJZ; 10, WGY orchestra; Gertrude Smith, soprano; 11:30, Stephen E. Boisclair, organist.

WHN, New York, N. Y. (361.2m-380kc), 6 p. m., Treasureland Neighbors; 8, Will Oakland's Chateau; 8:30, Al Herman's broadcasting entertainment bureau; 9:30, Loew's 83rd Street orchestra; 10:30, Leroy Smith's orchestra; 11, Joe Ward's Swanee entertainers; 11:30, Everglades orchestra; 12, Al Raymo and his entertainers.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Pagoda cafe orchestra; 7, Wilfred Charlesworth, pianist; 8:15, Etude hour; 9, Sesqui Centennial music period; 10:05, Nelson Maples and his S. S. Leviathan orchestra.

WJZ, New York, N. Y. (454.3m-660kc), 10:30 a. m., President Coolidge, WRC; 7 p. m., Hotel Vanderbilt orchestra; 7:45, Judge, Jr.; 8:30, Voice of the silent drama, First National Pictures, WRC; 9, Royal typewriter salon orchestra, WRC, WGY, WCAD; 10, the Record Boys; 10:45, Freddie Rich and his Hotel Astor dance orchestra.

WMAK, Buffalo, N. Y. (265.3m-1130kc), 6:15-7:15 p. m., dinner music, Hotel Lafayette orchestra; 7:30, Henry Nicholson.

WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Olcott Vail and Hotel McAlpin string ensemble; 6:30, Parody orchestra; 7, Twin Oaks orchestra; 7:30, Arthur West Sirens; 8:30, Church of the Ascension choir; 9:45, Nathan Straus serenaders; 10:15, McAlpin news editor; 10:30, Tango orchestra; 11, Ernie Golden and Hotel McAlpin orchestra; 12, McAlpin entertainers.

WNYC, New York, N. Y. (526m-570kc), 7:10 p. m., song recital; 8, concert; 9:10, Original Black Diamond serenaders.

WOO, Philadelphia, Pa. (508.2m-590kc), 7.30 p. m., Hotel Adelphia French room orchestra.

WOR, Newark, N. J. (405.2m-740kc), 6.30 p. m., Jacques Jacobs' Hotel Shelton ensemble.

WPG, Atlantic City, N. J. (299.8m-1000kc), 6.15 p. m., organ recital, Arthur Brook; 7, Hotel Morton dinner music; 7:30, bridge game; 8:15, glee club; 10, dance orchestra; 11, Silver Slipper Supper club, Eddie McKnight's dance orchestra.

WRC, Washington, D. C. (468.5m-640kc), 7 p. m., New Willard hotel orchestra; 8:30, WJZ; 9:20, WJZ; 10, WJZ; 10:30, Meyer Davis' Le Paradis band.

WRVA, Richmond, Va. (256.3m-1170kc), 8.15 p. m., Petersburg night.

"A BUCK ON LEAVE" AT WHT THURSDAY

Thursday, April 8

WTAG, Worcester, Mass. (267.7m-1120kc), 8-8:30 p. m., WEAF; 9-10, WEAF; 10-11, WEAF.
WTIC, Hartford, Conn. (475.9m-630kc), 6:50 p. m., Hotel Bond trio.
WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 8, WEAF.

Central Time Stations

KFRU, Columbia, Mo. (399.8m-750kc), 6:15 p. m., dinner music.
KLDS, Independence, Mo. (440.9m-680kc), 8 p. m.,
KMA, Shenandoah, Iowa (252m-1190kc), 6-7 p. m., dinner hour program; 9-11, Delmonico Dreamers' dance orchestra.
International Radio program; musicians from Jerusalem, Australia, Arabia, England, Norway, South Sea Islands, American Indians.
KOIL, Council Bluffs, Iowa (277.6m-1080kc), 6:05 p. m., Ray Rice, banjoist; Ivan Collen, pianist; 6:30, Art Marr's Imperial dance orchestra; 7:30, Gladys McCoy Taylor, contralto; Gerald Coen, bass; Mrs. Frank Evans Wright, pianist, songs of yore; 8:15, Lowell family entertainers; 11, Hotsy Totsy hour.
KPRC, Houston, Texas (296.9m-1010kc), 7:30 p. m., Blanchard's dance orchestra; 8:30, Edna Adams; 9, Aeolian string quartet; Leon Schiro, tenor.
KSD, St. Louis, Mo. (545.1m-550kc), 7-10 p. m., WEAF.
KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9-9:40 p. m., Lawson Reid, organist; 9:40-10, Arthur Platz, tenor; 10-10:30, dance tunes; 10:30-11:30, Eastman hotel.
KUOA, Fayetteville, Ark. (299.8m-1000kc), 8:30 p. m., Sara Frances Cloe, soprano; Grace McNeil, pianist.
KYW, Chicago, Ill. (535.4m-560kc), 6-6:30 p. m., concert, KDKA; 6:30-7, dinner music, Congress hotel; 8:20-9, musical program, artists; 9, an hour of music; 10-12, revue; 12-1 a. m., Insomnia club.
WAMD, Minneapolis, Minn. (243.8m-1230kc), 11:30 p. m., organ recital.
WBAP, Fort Worth, Tex. (475.9m-630kc), 6-6:30 p. m., Texas hotel orchestra; 7:30-8:30, saxophone octet; 9:30-11, Losh Institute of Music; 11, "A Step On the Stairs"; 11:30, Pantages theater.
WBBM, Chicago, Ill. (225.4m-1330kc), 8-12 midnight, Matched unite quartet; Ariston trio; 9-9:15, song period; Two Jays; Maurice Silverman.
WCBD, Zion, Ill. (344.6m-870kc), 8 p. m., Junior choir, flute, viola and harp trio; Miriam Hollingshead, flutist; Ralph Bull, tenor; R. Steel, soprano; Richard Hire, violinist; Mrs. Beem and Mrs. Crow, duettists; marimba; L. Hire, pianist; Louise Burgess, reader.
WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 7 p. m., WEAF; 7:30, Northern Pacific program; 8-10, WEAF.
WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., Trianon ensemble; 11:45-1, Ted Weems' Victor Recording orchestra; Billy Adair's orchestra; Johnnie Campbell's orchestra.
WEBH, Chicago, Ill. (370.2m-810kc), 7-8 p. m., recital; 9-9:15, news; 9:15-10, Edgewater glee club, 11-12:30 a. m., Oriole orchestra; Ruth Buhl Flick, reader; Rita McFawn, Mary Bieber, Billy Tracy, Sonny Duncan; Oriole string trio.
WFAA, Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m., Jimmy's Joys, orchestra; 8:30-9:30, choral club, musicians.
WGHB, Clearwater, Fla. (265.3m-1130kc), 6:30-7:30 p. m., Belleair orchestra; 8:30-10, program; 11:30-1 a. m., Ramble.
WGN, Chicago, Ill. (302.8m-990kc), 6:30-6:45 p. m., Drake concert ensemble, Blackstone string quintet; 6:45, old-time favorites; 6:55-7, "The Million Sing;" 8-10, WEAF; 10, Sam 'n' Henry; 10:10, old-time favorites; 10:20, play shop; 10:40-11, studio ensemble.
WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., program, Mrs. J. E. Harmon, Jr., director.
WHB, Kansas City, Mo. (365.6m-820kc), 7-7:45 p. m., dinner hour organ concert; 8-9, program, Knights of Columbus band, Mrs. Ben Donovan, soprano; Mrs. Mabel McDonald, pianist; Fritz Spathe, baritone; Mrs. W. Teets; 9-10, popular instrumental and vocal program.
WHO, Des Moines, Iowa (526m-570kc), 7:30-8 p. m., Raleigh quintet; 8-9, Bankers Life trio; 11-12, Bankers Life Corn Sugar orchestra.
WHT, Chicago, Ill. (399.8m-750kc), 6 p. m., dinner organ recital, Al Carney; 6:30, Hugh Aspinwall, tenor; Grayling's string trio; 6:45, Swedish program; 9:15, Cinderella cafe orchestra; 9:30, Kitchen Klassics; 9:50, "A Buck on Leave"; 10:10, U. S. L. entertainers; male quartet; 11:30, Pat Barnes and Al Carney; 12, Pat Barnes and Al Carney.
WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., dinner concert, string trio; Chester Newman, baritone; Helen Snyder, soprano; Swedish program; 12, jamboree, Ted Fiorito, pianist; Dan Russo, violinist; songs, Marie Tully; Wayne Myers; reader; Rita McFawn, Mary Bieber; artists.
WJJD, Mooseheart, Ill. (370.2m-810kc), 2-3 p. m., Howard L. Peterson, organist; 4-5, music, children; 5:30-7, Jack Nelson; Palmer House symphonic players; Howard L. Peterson, organist; Palmer House Victorians; Salvation Army band; 12:30 a. m., Palmer House Victorians; Jack Nelson.
WKRC, Cincinnati, Ohio (422.3m-710kc), 10 p. m., Ace Brigode and his Fourteen Virginians; 11, popular song revue; 11:15, Ace Brigode and his Virginians.
WLIB, Chicago, Ill. (302.8m-990kc), 6:30-6:45 p. m., WEAF; 11-11:20, Correll and Gosden; 11:20-1 a. m., studio ensemble, dance music, harmony duos.
WLS, Chicago, Ill. (344.6m-870kc), 7:15 p. m., College Inn orchestra; 7:20-7:55, Ernest Moeller, pianist, Lucille Rochester Stockdale, soprano.
WLW, Cincinnati, Ohio (422.3m-710kc), 6:15 p. m., musical handshakes, Bob Groenke and Jim Mischler; 7, dinner concert, Hotel Gibson; 10:03, popular concert, Doherty Melody boys; 11, Ray Sullivan, the popular tenor; 11:15, WLW instrumental trio; 11:30, Castle farm; 12:15, Night Howls, Crosley Sky Terriers.
WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Hotel La Salle orchestra; 9:55, chimes.
WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., All-American program; 9-11, orchestra.
WOAW, Omaha, Neb. (526m-570kc), 6 p. m., Dorothy Chenoweth Lowden, harpist; F. M. Mills, trumpeter, 6:20, Manna Kea trio; 6:50, Randall's Royal Fontenelle orchestra; 9, sunshine program.
WOC, Davenport, Iowa (483.6m-620kc), 5:45-6 p. m., chimes concert; 7-7:30, WEAF; 7:30-8, Moline Plowboys; 8-9, WEAF; 9-10, WEAF; 11-12, LeClaire hotel orchestra, Peter MacArthur, baritone.
WOI, Ames, Iowa (270.1m-1110kc), 7:50 p. m., Ames quartet.
WOK, Chicago, Ill. (217.3m-1380kc), 7 p. m., Capitol theater organ; program; 10-1:30 a. m., Tearney's Town club orchestra; Husk O'Hare's Cocoanut Grove orchestra; Capitol theater program; program.
WORD, Batavia, Ill. (275m-1090kc), 8 p. m., Webster hotel trio; 8:35, Cosmopolitan school of music.
WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Gardens orchestra; Henrietta Nolan, violinist; Clarence Clausen, tenor; Marjory Worthington, soprano; 10-2 a. m., Rainbo Skylarks; Jerry Sullivan, Rose Vanderbosch, pianist; Lew Butler; Bert Davis, Marie Pollitt, artists; 1-2, Ginger hour.
WRR, Dallas, Texas (245.8m-1220kc), 6-7 p. m., Jack Gardner's orchestra; 8-9, musicale.
WSAI, Cincinnati, Ohio (325.9m-920kc), 7-10 p. m., WEAF.
WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., Atlanta and Westpoint band; 10:45, Charles A. Sheldon, Jr., organist.
WSOE, Milwaukee, Wis. (245.8m-1220kc), 9 p. m., semi-monthly bridge lesson; 9:30, old-fashioned musical program.

GENERAL TALKS AND SPEECHES

Saturday, April 3

Eastern	Central	Mountain	Pacific	
7:25 p. m.	6:25 p. m.	5:25 p. m.	4:25 p. m.	WRC (468.5m-640kc) "The Work of Congress."
8:15	7:15	6:15	5:15	WIP (508.2m-590kc) "The Wonders of the Microscope," Dr. Henry Leffman.
8:30	7:30	6:30	5:30	WTIC (475.9m-630kc) Talk, Ernest Thompson Seton.
9	8	7	6	WCCO (416.4m-720kc) "Fireside Philosophies." Rev. Roy L. Smith.
9:30	8:30	7:30	6:30	WMAQ (447.5m-670kc) Photologue, Dr. Max Henius.

Monday, April 5

Eastern	Central	Mountain	Pacific	
7 p. m.	6 p. m.	5 p. m.	4 p. m.	WDAF (365.6m-820kc) Address, Edgar A. Linton.
8:30	7:30	6:30	5:30	WBAP (475.9m-630kc) "A Trip on the Crimson Limited."
9	8	7	6	WAHG (315.6m-950kc) "A Visit to the Vatican," Major Dent Atkinson.
				WRVA (256.3m-1170kc) "Virginia Folk Lore," Dr. Douglas Freeman.
11	10	9	8	KPO (428.3m-700kc) "Federal Convention of 1787," John L. McNab.
11:25	10:25	9:25	8:25	KGO (361.2m-830kc) "Chats About New Books," Joseph Henry Jackson.

Tuesday, April 6

Eastern	Central	Mountain	Pacific	
8 p. m.	7 p. m.	6 p. m.	5 p. m.	WLW (422.3m-710kc) "Aeronautics," U. S. Air service.
9	8	7	6	KMTR (238m-1260kc) E. P. Barclay, African explorer.
				WMAQ (447.5m-670kc) Book talk, Harry Hansen.
				WRC (468.5m-640kc) Washington's Political situation, Frederic W. Wile.
10	9	8	7	WJZ (454.3m-660kc) Grand tour, England.
10:30	9:30	8:30	7:30	WCCO (416.4m-720kc) "Outdoors in Minnesota."
11	10	9	8	KPO (428.3m-700kc), "Convention of 1787," Attorney-General U. S. Webb.

Wednesday, April 7

Eastern	Central	Mountain	Pacific	
7:30 p. m.	6:30 p. m.	5:30 p. m.	4:30 p. m.	WEEI (348.6m-860kc), Talk, Pres. Ellen Fitz Pendleton.
8:15	7:15	6:15	5:15	WCAU (277.6m-1080kc) "Protecting the Health of School Children," Dr. W. S. Cornell.
8:15 p. m.	7:15 p. m.	6:15 p. m.	5:15 p. m.	WJZ (454.3m-660kc) Zoological society series.
10:30	9:30	8:30	7:30	KWSC (348.6m-860kc) Book reviews, Alice Lindsay Webb.
1 a. m.	12 m.	11	10	KPO (428.3m-700kc) "Dual Form of Government," Maurice E. Harrison.

Thursday, April 8

Eastern	Central	Mountain	Pacific	
7:30 p. m.	6:30 p. m.	5:30 p. m.	4:30 p. m.	WGY (379.5m-790kc) WGY book chat, William F. Jacob.
8:15	7:15	6:15	5:15	WSAI (325.9m-920kc) Art talk.
9:50	8:50	7:50	6:50	WMAQ (447.5m-670kc) U. of C. vs. U. of Wyo. debate.
10	9	8	7	WRC (468.5m-640kc) Political situation, Frederick W. Wile.
12 m.	11	10	9	KPO (428.3m-700kc) Federal government, Warren Olney, Jr.

Friday, April 9

Eastern	Central	Mountain	Pacific	
7 p. m.	6 p. m.	5 p. m.	4 p. m.	WOAW (526m-570kc) Music review, Hester Bronson Copper.
7:30	6:30	5:30	4:30	WEBJ (272.6m-1100kc) "Commercial Flying," C. S. Jones.
8	7	6	5	WTIC (475.9m-630kc) "Idealism and Work," Rev. George T. Linsley.
8:15	7:15	6:15	5:15	KDKA (309.1m-970kc) "Why I Am a Fisherman," Dr. Charles Reitell.
8:30	7:30	6:30	5:30	WCAL (336.9m-890kc) "Jefferson and Hamilton," Dr. George Weida Spohn.
10:15	9:15	8:15	7:15	KHJ (405.2m-740kc) "Aircraft in Europe," W. D. Waterman.
10:30	9:30	8:30	7:30	KHJ (405.2m-740kc) "Romance of Santa Fe Trail," Gladys De Witt.

Mountain Time Stations

CFAC, Calgary, Can. (435.8m-688kc), 9-11 p. m., Canadian National railways program; Bert Ellingson, tenor, CNR orchestra.
CNRC, Calgary, Can. (435.8m-688kc), 9 p. m., studio program, CNR orchestra; Berg Ellingson, tenor.
KFXF, Colorado Springs, Colo. (252m-1200kc), 8:30 p. m., brass quartet; Arthur L. Murray, baritone; Mrs. J. C. Young, contralto; Sarah McCuan, pianist.
KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., dinner concert, Brown Palace string orchestra.

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-640kc), 6:30 p. m., vest pocket program; 6:45, Radiotorial period; 7-8, program, students University of Southern California; 8-9, Marguerite Le Grand, pianist; 9-10, program, Southern California musical company; 10-11, Packard Radio club.
KFON, Long Beach, Calif. (232.4m-1280kc), 7:30-8 p. m., Long Beach Municipal band; 8:15-9, Long Beach Municipal band; 9-10, Prizma hour; 10-11, Oriole dance orchestra; 11-12, State theater organ.
KFWB, Hollywood, Calif. (252m-1190kc), 8-9 p. m., Mountain Park orchestra; Albert Keglovich, violinist; Esther White, popular songs; 9-10, studio program, 10-11, Warner Brothers frolic.
KGO, Oakland, Calif. (361.2m-830kc), 8 p. m., "The Wild Duck," KGO players; 10-1, a. m., Brokaw orchestra.
KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-10, vaudeville program.
KHJ, Los Angeles, Calif. (405.2m-740kc), 8-10 p. m., the Artland club.
KJR, Seattle, Wash. (384.4m-780kc), 7-8:30 p. m., Eureka mixed quartet; 8:30-10, orchestra; 10-10:30, Benjamin Franklin Electric company program; 10:30-12, Keep Joy Radiating Order of Bats.
KMTR, Hollywood, Calif. (238m-1260kc), 6-7 p. m., Starr Piano company studio; 8-10, KMTR concert orchestra.
KNX, Hollywood, Calif. (336.9m-890kc), 6:30 p. m., Atwater Kent concert orchestra; 7-8, program, H. L. Crockett company; 8-9, program, Willys-Overland dealers; 9-11, KNX feature program; 11-12, Ray West's Cocoanut Grove dance orchestra from the Ambassador.
KPO, San Francisco, Calif. (428.3m-700kc), 7-7:30 p. m., Rudy Seiger's Fairmont hotel orchestra; 8-9, KPO string quartet; West Coast male quartet; 9:10-10, Munier mandolin ensemble; 10-11, Cabiria cafe dance orchestra; 11-12, Henry Halstead's orchestra.
KPSN, Pasadena, Calif. (315.6m-950kc), 8-9 p. m., musical program.
KTAB, Oakland, Calif. (239.9m-1250kc), 8-10 p. m., program.

Friday, April 9

Headliners Today

Eastern	Central	Mountain	Pacific	
7:30 p. m.	6:30 p. m.	5:30 p. m.	4:30 p. m.	WFAA (475.9m-630kc) Hawaiian recital.
8	7	6	5	WBAL (245.8m-1220kc) Baltimore Mandolin orchestra.
				WWJ (352.7m-850kc) C. T. S. and his gang.
8:15	7:15	6:15	5:15	WAHG (315.6m-950kc) Great Artist organ recital.
				WGY (379.5m-790kc) "A Step On the Stairs."
				WRVA (256.3m-1110kc) Special "Old Virginny" program.
8:30	7:30	6:30	5:30	KDKA (309.1m-970kc) Special program.
				WAMD (277.6m-1080kc) Songs from different operas.
9	8	7	6	CNRT (356.9m-840kc) Radio Raiders.
10	9	8	7	KTHS (374.8m-800kc) Request night.
11	10	9	8	WPG (299.8m-1000kc) Ballad night.
11:45	10:45	9:45	8:45	WSB (428.3m-700kc) Venetian Melody artists.

Friday, silent night for: CFAC, CHIC, CKAC, CKNC, CKY, CNRC, CNRM, CNRO, CNRR, CNRW, KFAU, KFWA, KFXF, KLDS, KPRC, KPSN, KSAC, KUOA, KUOM, PWX, WBBR, WCAD, WCBD, WEAO, WEBW, WGBS, WGST, WHAZ, WIP, WJAZ, WKRC, WLW, WLWL, WMAK, WNAD, WRC, WREO, WRVA, WSAI, WSMB, WSUI, WTAM.

Eastern Time Stations

CNRA, Moncton, Can. (312.4m-960kc), 8 p. m., studio program, Moncton artists; H. Wheeler, pianist; Alice Lea, contralto; Evelyn Breau, reader; Ned Stenhouse, baritone; Venner Trites, mandolinist; Mrs. A. McLean, soprano; 10, orchestra.
CNRT, Toronto, Can. (356.9m-840kc), 6:30 p. m., dinner concert, Luigi Romanelli and his King Edward hotel concert orchestra; 8, studio program, Radio Raiders, "A Little More of Everything," Cockney monologuist and Russian basso; 11, dance program, Luigi Romanelli and his King Edward hotel dance orchestra.
KDKA, Pittsburgh, Pa. (309.1m-970kc), 6:30 p. m., dinner concert; 8:30, special program.
WABQ, Haverford, Pa. (261m-1150kc), 11 p. m., Ardmore theater program.
WAHG, Richmond Hill, N. Y. (315.6m-954kc), 7:30 p. m., program; 8, organ recital; 9, joint recital; William Viglione, tenor; William J. Mais, violinist; 9:30, Shell Beach trio; 10:02, Phillip A. Fey, tenor, 10:30, Southland dance orchestra.
WAIU, Columbus, Ohio (293.9m-1020kc), 8-9:30 p. m., "Boost Columbus" program, City Firemen.
WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., dinner orchestra; 7:30-8, male quartet; 8-9, Mandolin orchestra; Lorena Brodman, soprano; 9-10, string trio; John Wilbourn, tenor.
WBZ, Springfield, Mass. (333.1m-900kc), 6:30 p. m., Hotel Kimball; 7, Hotel Lenox ensemble; 7:15, Toots Mondello and his band; 8, dance music; 8:30, Nina Mae Forde, soprano; Juliette Houle, pianist; Cecile Forest, violinist; 9:15, Ruth Wheeler, flutist; Withers twins.
WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert; 8, studio program; 9:30-11:30, WEAF.
WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:30 p. m., Billy Hayes and his orchestra; 7:30, Snellenburg instrumental trio; 8, Enrico Aresoni, operatic tenor, Virginia Klein, accompanist; 8:45, the Bryan Girl, 9, the Regina Crooners; 9:15, Dwight Strickland, "poetician"; 9:30, the Sea Gulls; 10, Archie Lloyd, songs; 10:30, Loeser's dance orchestra.
WEAF, New York, N. Y. (491.5m-610kc), 6 p. m., dinner music from Hotel Waldorf-Astoria; program.
WEBJ, New York, N. Y. (272.6m-1100kc), 7-7:30 p. m., Ritz theater ensemble; 7:45, Gordon Beresford, clog dancer; 8, Kathryn Connolly, soprano; 8:15, W. H. Melvin, tenor; 8:30-9, Al Ciccone and his Harlem Tea Garden orchestra.
WEEI, Boston, Mass. (348.6m-860kc), 6:13 p. m., Joe Rines and his Hunters Cabin orchestra; 7:30, Whiting milk company program; 8:30, program; 9, musicale; 9:30, Carter's Incas; 10, WEAF.
WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra.
WGBS, New York, N. Y. (315.6m-950kc), 6:30 p. m., Anzell's orchestra.
WGHB, Clearwater, Fla. (265.3m-1130kc), 6:30-7:30 p. m., Gray Moss Inn; 8:30-10:30, The Isle of a Thousand Palms; 11:45-1 a. m., Tar-Heel orchestra.
WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., Clef trio; 8, the Audubon Terrace Meadow larks; 8:30, Boy Scout program, troop 63; 9, Winger's Crescent Park entertainers; 9:30, Norman C. Cave in a popular program; 10, WEAF; 10:30, Hewitt Humorists, 11, Vincent Lopez Hotel Statler dance orchestra, John F. Gunderman, organist.
WGY, Schenectady, N. Y. (379.5m-790kc), 7 p. m., Eastman theater; 8:15, "A Step On the Stairs", 8:30, vocal pupils, A. Y. Cornell; 10:30, WGY orchestra; Sarah Spencer, soprano.
WHN, New York, N. Y. (361.2m-380kc), 7 p. m., Harry Richman and entertainers; 9, Alan Stone's orchestra; 10, Roseland dance orchestra; 10:30, Anatol Friedland; 11:30, Kit Kat club orchestra; 12, Silver Slipper orchestra.
WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin hotel concert orchestra; 7, Uncle Wip's bedtime stories; songs by Mary and Helen Leedom.
WJZ, New York, N. Y. (454.3m-660kc), 7:15 p. m., Hotel Commodore concert orchestra; 8, Sundial Shoe serenaders; 8:30, Bonnie Laddies; 10:30, Hotel Lorraine Grill orchestra.
WLIT, Philadelphia, Pa. (394.5m-760kc), 7:30 p. m., Dream Daddy's bedtime stories, songs by members of Boys' and Girls' club.
WMAK, Buffalo, N. Y. (265.3m-1130kc), 8-9 p. m., musical program.
WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Olcott Vail and Hotel McAlpin string ensemble; 6:30, Ernie Golden and Hotel McAlpin orchestra; 9, Hardman hour of music; 10:30, Zero's hour; 11, Hofbrau Haus entertainers; 11:30, Jack Denny's orchestra; 12, McAlpin entertainers; 12:15, Van and Schenck; 12:30, Parody orchestra.
WNYC, New York, N. Y. (526m-570kc), 6:20 p. m., piano; 8, concert program; 9, Dr. Frank H. Vigetelly; 9:20, Rudolph Joskowitz, violinist; 9:50, dance program.
WOO, Philadelphia, Pa. (507.2m-590kc), 7:30 p. m., Sylvania dance orchestra; 8, recital; 9:25, Fox theater symphony orchestra; 10:15, organ recital; 10:30, Sylvania dance orchestra.
WOR, Newark, N. J. (405.2m-740kc), 6:45 p. m., Hotel Bretton Hall quartet.
WPG, Atlantic City, N. J. (299.8m-1000kc), 6:45 p. m., organ recital, Arthur Brook; 7, Hotel Ambassador dinner music; 8:15, Sol Kendis and Chick Leonard, entertainers; 8:30, Million Dollar Pier dance orchestra; 9, Hotel Traymore concert orchestra; 9:30, dance music; 10, James' Salt Water Taffy boys' dance orchestra; 11, organ recital, Jean Wiener.
WRVA, Richmond, Va. (256.3m-1170kc), 7 p. m., Hotel Richmond orchestra; 8:15, "Down South in Old Virginny"; 10, Hotel Richmond Winter Garden orchestra.
WTAG, Worcester, Mass. (267.7m-1120kc), 8:15-10 p. m., concert program; 10-10:30, WEAF.
WTIC, Hartford, Conn. (475.9m-630kc), 6:30 p. m., Hub trio; 8:15, New Haven railroad band; 10:30, Barrett and Nelligan; 11, Palais Royal dance orchestra.
WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 8, C. T. S. and his gang; 9:30, WEAF; 10:30, dance music.

Central Time Stations

KFAB, Lincoln, Neb. (340.7m-880kc), 8:30-10:30 p. m., Cotner night.
KFRU, Columbia, Mo. (399.8m-750kc), 6:15 p. m., dinner music; 12-2 a. m., musical program.
KLDS, Independence, Mo. (440.9m-680kc), 8 p. m., Graceland college program.
KMA, Shenandoah, Iowa (252m-1190kc), 6-7 p. m., Auntie Blossom; 9-11, band music.
KMOX, St. Louis, Mo. (280.2m-1070kc), 6 p. m., Arthur Utt, organist; 6:30, Mrs. Jacques Landree, organist; 7, orchestra; Charlotte and her uke; 8, special artists'; 9, orchestra, First Baptist church choir; 10, popular dance music.
KOIL, Council Bluffs, Iowa (277.6m-1080kc), 6:05 p. m., Clara Kurtz, pianist; Lucy Rhyno, soprano; 6:30, dinner program, Randall's Royal Fontenelle orchestra; 7:30, songs from operas, Opera club; 11, Hotsy Totsy hour.
KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., Ruth Harris Porteous, contralto; James Porteous, baritone; 8-10, WEAF.
KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9-9:45 p. m., request night; 9:45-10, Lawson Reid, organist; 10-10:45, Natalie Arnoux, violinist.
KYW, Chicago, Ill. (535.4m-560kc), 6 p. m., dinner music, KDKA; 6:30-7, dinner concert; 7:30-9, homelover's hour; 9-10, musicale; 10-12, revue.
WAMD, Minneapolis, Minn. (243.8m-1230kc), 8 p. m., Reception Five, musical program; 11, Skyrocket frolic, George Osborn and his orchestra.
WBAP, Fort Worth, Tex. (475.9m-630kc), 6-6:30 p. m., Texas hotel orchestra; 7:30-8:30, Glen Rose artists, 9:30-11, Texas Christian university; 11-12, Panther Hawaiian trio.
WBBM, Chicago, Ill. (225.4m-1330kc), 8-10 p. m., Two Jays, Corinne Jordan; Alemite orchestra; 9-9:15, old favorite songs.
WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6:15 p. m., dinner concert, Wesley Barlow's Nicollet hotel orchestra; 8, Watkins Family party; 9, WEAF, 10:05, Emmet Long's Golden Pheasant orchestra.
WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., Trianon ensemble; 8-9:30, musicale; 11:45-1 a. m., Ted Weems' Victor Recording orchestra; Billy Adair's orchestra; Ted Meyn, organist.
WEBH, Chicago, Ill. (370.2m-810kc), 7-8 p. m., Oriole orchestra; Pauline Sachs, soprano; Eleanor Kaplan, violinist; 9-9:15, news; 9:15-10, Evanston Hospital nurses glee club; 11-12:30 a. m., Oriole orchestra; Irene Beasley.
WEMC, Berrien Springs, Mich. (285.5m-1050kc), 9 p. m., request numbers, Martha Hutchison, soprano; Lighthouse choir; T. H. Madison, violinist; 10, P. Pearce, bass.
WFAA, Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m., Hauulea School of Hawaiian music; 8:30-9:30, George Cobb and assisting musicians.
WGBF, Evansville, Ind. (236.1m-1270kc), 8 p. m., musical program.

During the winter months when fans seek the comfort of the fireside on Sunday evenings and turn on the Radio, WEAR, Cleveland, has been putting on a special fireside hour program. Old-time songs, favorite hymns, and operatic selections have been contributed by the WEAR mixed quartet. The members of this group are from left to right: Gay Donaldson, baritone; Edith McArt, contralto; Leona Brown Woodcok, soprano; Albert Downing, tenor.

Friday, April 9

WGN, Chicago, Ill. (302.8m-990kc), 6:30-6:45 p. m., Drake concert ensemble, Blackstone string quintet, 6:45, old-time favorites; 6:55-7, the Million sing; 8-8:30, WEAF; 8:30-9, quartet; 9-9:30, WEAF; 9:30-10, studio program; 10, Sam 'n' Henry; 10:10, old-time favorites; 10:20, the Play Shop; 10:45-11, studio ensemble.

WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., Louisville Music and Radio company.

WHB, Kansas City, Mo. (365.6m-820kc), 7-8 p. m., Sweeney Radio orchestra, popular musicale.

WHO, Des Moines, Iowa (526m-570kc), 7:30-9 p. m., program, Drake University conservatory of music, 11-12, Younkers Tea-Room dance orchestra.

WHT, Chicago, Ill. (399.8m-750kc), 6 p. m., classical program; dinner organ recital, Al Carney; Grayling's string trio; Helen Rauh, pianist; Charles Hussey, basso; 6:50, Ray-O-Vac concert; 9:15, Cinderella Cafe orchestra; 9:30, Sunbeam Girls; 10:05, "Crucifixion"; 12, Pat Barnes and Al Carney.

WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., dinner concert; string trio; Joe North, baritone; Mary Thrash House, pianist; Elsie Orr, soprano; 10-2 a. m., popular program; Ted Fiorito, pianist; Dan Russo, violinist; the Jordans; Melody strummers, Tony Corcoran, Ed Diller.

WJJD, Mooseheart, Ill. (370.2m-810kc), 12-1 p. m., Palmer House symphonic players; trio; 2-3, organ hour, Howard L. Peterson; child artists; assembly of 1,250 children; 5:30, instrumental hour; Palmer House symphonic players; Jack Nelson; Victorians, 6:40, Billy Van; 8-9, children's hour; 10-11, feature hour; Senator Harold C. Kessinger; Palmer House Victorians; Jean St. Anne; 12:30 a. m., Knights of the Burning Candle.

WLIB, Chicago, Ill. (302.8m-990kc), 7:30-8 p. m., musical program; 11-11:20, Correll and Gosden; 11:20-1 a. m., ensemble, dance music, harmony duos.

WLS, Chicago, Ill. (344.6m-870kc), 6:40 p. m., College Inn orchestra; 7:45, Ralph Emerson, organist; 8:30, College Inn orchestra; 9, Theresa Henning, contralto; Harold Van Horne, pianist; 9:30, College Inn orchestra; 10, Ralph Emerson, organist.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, program; 8:30, St. Francis church choir; 9:35, program; 9:35, chimes.

WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Vella Cook, contralto; Rosalind Wallach, violinist; Arvid L. Anderson; Frank Bordner; 9-11, orchestra, male trio.

WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Cooper's Hawaiians; 11, frolic.

WOAW, Omaha, Neb. (526m-570kc), 6:20 p. m., Francis Potter's banjo orchestra; 6:50, Gilbert Jaffy, violinist; Nat Young, pianist; Karl Tunberg, pianist; 9, Puritan program; 10:30, Frank Hodek and his Nightingale.

WOC, Davenport, Iowa (483.6m-620kc), 5:45-6 p. m., chimes concert; 8-9, Sidney Milbanks, baritone; Mrs. Frank Elliott, organist; Harry Yeazelle Mercer, tenor; 10:30, "A Step on the Stairs," Episode VI, mystery serial.

Atwater Kent Program, April 4, over WEAF and Chain*

Albert Stoessel directing the New York Oratorio Society

I.

"Christ the Lord Is Risen Today".....Traditional

II.

"By Early Morning Light".....Reimann-Dickinson
Early Seventeenth Century Easter Hymn

III.

"Hallelujah Chorus" from the "Messiah".....Handel

IV.

"How Lovely Are Thy Messengers" (from "St. Paul").....Mendelssohn

V.

"The Promise Which Was Made Unto the Fathers".....Baerstow
Easter Anthem

VI.

Two Chorales .....J. S. Bach
(a) "Commit Thy Ways" (St. Matthew Passion)
(b) "Glory To Thee Be Given" (Sleepers, Awake!)

VII.

(a) "Laud Ye the Name of the Lord".....Rachmaninoff
(b) "Glorious Forever!".....Rachmaninoff

VIII.

"I Know That My Redeemer Liveth" (from the "Messiah").....Handel

IX.

(a) "Phantasy on Three Favorite Easter Hymns".....Stoessel
Chorus and Easter Chimes
(b) "Unfold! Ye Portals Everlasting".....Gounod
(c) "Benediction".....Gounod

X.

"The Strife Is O'er, the Battle Won".....Traditional

*The WEAF chain for the Atwater Kent hour (9:15 p. m. Eastern time, 8:15 p. m. Central time) includes WEAF, WOO, WGR, WCAE, WCAP, WJAR, WTAG, WGN, KSD, WCCO, WOC, WSAI, WEAR, WEEI.

WOK, Chicago, Ill. (217.3m-1380kc), 7 p. m., Capitol theater organ; program; 10-1:30 a. m., Tearney's Town club orchestra; Husk O'Hare's Cocoanut Grove orchestra; Capitol theater program; program.

WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9-10 p. m., Yeagle orchestral trio; 10-11, classical concert, 11-12, Regent Roof Radio frolic.

WORD, Batavia, Ill. (275m-1090kc), 7 p. m., North Shore line.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Ralph Williams and his Rainbo Garden orchestra; Sheppard Levine, tenor; Florence Cane, soprano; Jean St. Anne, baritone; Christian Grimm, accompanist; 10-1 a. m., Ralph Williams and his Rainbo Skylarks; H. Lucille Long, harmonica player; Eleanor Terry, Harold Olson; Clark's Hawaiian trio; Johnny Poat, baritone; Tell Taylor, tenor; artists; 1-2, Ginger hour.

WRR, Dallas, Texas (245.8m-1220kc), 6-7 p. m., Jack Gardner's orchestra; 8-9, Edith Bellharz, violinist; 11-12, Hawaiian program

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., Spellman college glee club; 10:45, Venetian Melody artists.

WSBT, South Bend, Ind. (275.1m-1090kc), 7:15 p. m., orchestra, concert.

WSM, Nashville, Tenn. (282.8m-1060kc), 6:30 p. m., Francis Craig's orchestra; 8, Vanderbilt university; 10, Leon Frank music school.

WSOE, Milwaukee, Wis. (245.8m-1220kc), 9 p. m., Candygram review.

Mountain Time Stations

CFAC, Calgary, Can. (435.8m-688kc), 7-8 p. m., salon broadcast.

CNRE, Edmonton, Can. (516.9m-580kc), 8:30-10:30 p. m., studio program, Wall concert party, musical comedy selections; Thelma Nehring, mezzo-soprano; duet, Eileen Fogarty and Arthur Geer; Jacques Silvestre, tenor; Gwen Cormack, soprano.

KFXF, Colorado Springs, Colo. (250m-1200kc), 9 p. m., Russ Kemp's Hammond Cottage City orchestra.

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., dinner concert, Brown Palace string orchestra; 8, instrumental program, Scheuerman's Colorado orchestra; 8:15, program, Barnes Commercial school, Denver concert quartet, vocal; KOA orchestra; Margaret Grubb, pianist; chorus.

KOB, State College, New Mex. (348.6m-860kc), 7:30-8:30 p. m., musical program, students, Las Cruces Union high school.

Pacific Time Stations

CNRV, Vancouver, Can. (291.1m-1080kc), 8:30 p. m., South Vancouver choir, Mrs. James Hillcoat, contralto; Mrs. C. Power, soprano; C. Dawson, accompanist, 10:30, Cabaret Belmont orchestra; Bebe Mullar, soprano.

KFI, Los Angeles, Calif. (467m-640kc), 6:45 p. m., Radiotorial period; 7-7:30, Carlyle Stevenson's El Patio orchestra; 7:30-8, Jim, Jack and Jean trio; 8-9, Aeolian organ, Dan L. McFarland, organist; 9-10, studio program; Mutual Motors mirth contest; 10-11, Packard ballad hour.

KFOA, Seattle, Wash. (454.3m-660kc), 6-6:30 p. m., Atwater Kent boys, Doug and Fred; 7-8:15, Sherman Clay and company studio program; 8:30-9, bridge lesson; 9-10, Times popular program; 10-11, Jackie Souder's Club Lido serenaders.

KFON, Long Beach, Calif. (232.4m-1280kc), 7-8 p. m., program, Dalton and Hoagland company; 8-9, Press-Telegram studio; 9-10, studio program; 10-12, Long Beach Elks Lodge No. 888 frolic.

KFWB, Hollywood, Calif. (252m-1190kc), 8-9 p. m., program, John Wright orchestra, Bill Blake, ballads, Raquel Nieto, coloratura soprano; 9-10, Len Nash and his Country Boys; 10-11, Warner Brothers frolic.

(Continued on page 16)

5-Room ALADDIN $478 NOT PORTABLE

WE PAY THE FREIGHT

You can buy all of the materials for a complete home direct from the manufacturer and save four profits, on the lumber, millwork, hardware and labor.

6-Room ALADDIN $618

Living room, dining room, 2 bedrooms, kitchen, bath. 3 other plans in Catalog. Very high grade lumber throughout.

7-Room ALADDIN $765

Living room, dining room, kitchen, 3 bedrooms, and bathroom. All materials readi-cut, saving 18 per cent on cost.

Story and Half ALADDIN $789

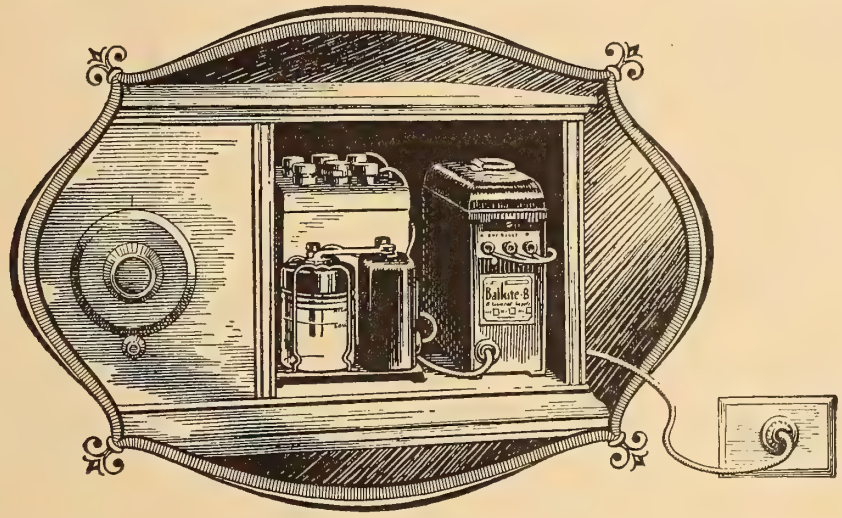
Story and a half semi-bungalow, with second floor available for 2 bedrooms. Two floor plan arrangements. Any handy man can erect these houses.

7-Room ALADDIN $956

Large living room with circle-tread open stairway, dining room, kitchen. Three bedrooms, each with clothes closet. Bath on second floor.

Price includes all lumber cut to fit; highest grade interior woodwork, siding, flooring, windows, doors, glass, paint, hardware, nails, lath, roofing, with complete instructions and drawings. **Freight paid** to your station. Permanent Homes—NOT PORTABLE. Many styles of year 'round dwellings, summer cottages and garages to choose from. **Write nearest mill today for FREE Money-Saving Catalog No. 1722.**

The ALADDIN Co., BAY CITY, MICHIGAN
Wilmington, N. Carolina; Portland, Ore.; Toronto, Ont.



Operate your present radio set from the light socket

with Balkite "B" and a Balkite Trickle Charger

The radio set you now own will operate from the light socket. No changes are necessary. You need only add Balkite "B" at $35 and a Balkite Trickle Charger at $10.

Balkite "B"—the noiseless "B" power supply—replaces your "B" batteries entirely and supplies plate current from the light socket. The Balkite Trickle Charger keeps your "A" battery always at full charge, also from the light socket.

This type of installation is the last word in radio convenience and ease of operation. You always have full, even power, exactly as required by the set. *And because you always have full power you secure a quality of reception possible in no other way.*

Both Balkite "B" and the Balkite Trickle Charger are entirely noiseless. Their first cost is the last. Both are permanent pieces of equipment with no bulbs, nothing to replace, break or get out of order. *Ask your dealer.*

Prices slightly higher West of Rockies and in Canada

FANSTEEL

Balkite
Radio Power Units

Manufactured by FANSTEEL PRODUCTS COMPANY, Inc., *North Chicago, Ill.*

MARKETS AND WEATHER

Daily Except Sunday

Eastern	Central	Mountain	Pacific	
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.	WOAW (526m-570kc) Markets.
9:45	8:45	7:45	6:45	KDKA (309.1m-970kc) Livestock, grain.
10	9	8	7	WLS (344.6m-870kc) Livestock, markets, fruit.
				WOS (440.9m-680kc) Hogs.
10:30	9:30	8:30	7:30	WFAA (475.9m-630kc) Markets.
10:45	9:45	8:45	7:45	WCCO (416.4m-720kc) Markets.
				WHO (526m-570kc) Opening grain quotations, New York and Chicago stock exchange. Livestock, weather, roads.
				WMC (499.7m-600kc) Weather, markets.
11	10	9	8	WOS (440.9m-680kc) Weather, hogs.
11:15	10:15	9:15	8:15	WTAG (268m-1120kc) Markets, weather.
11:30	10:30	9:30	8:30	WCCO (416.4m-720kc) Markets.
12 n.	11	10	9	KDKA (309.1m-970kc) Weather, livestock, grain.
				WBAP (475.9m-630kc) Weather, cattle, grain.
				WLS (344.6m-870kc) Poultry, dairy, hogs, sheep.
				WOS (440.9m-680kc) Livestock, poultry, eggs, grain.
12:30 p. m.	11:30	10:30	9:30	WEAR (384.4m-780kc) Markets, weather.
				WFAA (475.9m-630kc) Markets.
1	12 n.	11	10	WBAP (475.9m-630kc) Markets.
				WHO (526m-570kc) Livestock, receipts. Weather, roads.
				WOS (440.9m680kc) Livestock, weather.
1:30	12:30 p. m.	11:30	10:30	KTHS (374.8m-800kc) Markets, weather.
				market, apples.
				WOAW (526m-570kc) Markets.
1:45	12:45	11:45	10:45	KOA (322.4m-930kc) Weather, roads, livestock, poultry.
2	1	12 n.	11	WOC (483.6m-620kc) Weather, grain, livestock, dairy.
3	2	1 p. m.	12 n.	WHO (526m-570kc) Livestock, Chicago and St. Louis closing cash market quotations, Chicago Board of Trade, N. Y. Stock exchange.
				WLS (344.6m-870kc) Livestock, grain, dairy, fruit, vegetables.
				WOS (440.9m-680kc) Livestock, markets, grain.
3:30	2:30	1:30	12:30 p. m.	WFAA (475.9m-630kc) Markets.
3:50	2:50	1:50	12:50	WWJ (352.7m-850kc) Weather, markets.
4	3	2	1	WCCO (416.4m-720kc) Markets.
				WFAA (475.9m-630kc) Markets.
6:45	5:45	4:45	3:45	KSAC (340.7m-880kc) Market review.
8	7	6	5	KOA (322.4m-930kc) Sheep, markets, livestock, poultry.

UNKNOWN GIRL TO BE MADE FAMOUS ON AIR

Don Meaney to Try to Popularize Movie Extra Girl

HOLLYWOOD, Calif.—Probably the first effort ever made to popularize a motion picture personality entirely through Radio has been started by Don Meaney on his KNX midnight frolic over KNX each Thursday night from 12 to 1 a. m. Pacific time.

The name selected by Don Meaney to make known to all America by means of the Radio is Anne Howe. No one as yet has seen her on the screen, she is just an extra girl, with all the qualities that make for screen success, that Don Meaney has taken in hand and promised to publicize throughout the land.

Members of the Wampas, Hollywood's association of movie press agents, are reported to be sticking very close to the loud speakers on Thursday nights to see if Don Meaney can make a success of his new idea in publicity, which is novel, even in jaded movieland.

Friday, April 9

(Continued from page 15)

KGO, Oakland, Calif. (361.2m-830kc), 6-6:55 p. m., Amphion trio.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-9, vocal and instrumental music; 9-10:30, concert; 10:30-12, Hoot Owls; Pantages stars; features.

KHJ, Los Angeles, Calif. (405.2m-740kc), 8-10 p. m., program, Western Auto Supply company.

KJR, Seattle, Wash. (384.4m-780kc), 7-8:30 p. m., old-time songs, Lundquist-Lilly male quartet; 8:30-10, Post Intelligencer studio program.

KMTR, Hollywood, Calif. (238m-1260kc), 6-7 p. m., Hawaiian Silver String quartet; 8-10, KMTR concert orchestra; 10-11, Starr Piano company studio.

KNX, Hollywood, Calif. (336.9m-890kc), 6:30-7 p. m., Atwater Kent orchestra; 7-8, KNX feature program; 8-9, program, Jell-X-Cell company; 9-10, Order of Optimistic Donuts; 10-11, fights, Hollywood American Legion stadium; 11-12, Ray West's Cocoanut Grove dance orchestra.

KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7 p. m., States restaurant orchestra; 8:10-9, "The Resurrection"; 9-10, Palace hotel rose room dance orchestra; 10-11, States restaurant orchestra; 11-12, Henry Halstead's orchestra.

KTAB, Oakland, Calif. (239.9m-1250kc), 8-10 p. m., program, Breuner's.

KWSC, Pullman, Wash. (384.6m-860kc), 7:30-9 p. m., Farmington community program.

Reveals Drifting Snow Discharges Electricity

Fine, Strongly Charged Particles Cause Static Interference

LONDON.—A remarkable discovery which brings a newcomer into the ranks of Radio's static enemies has been made by a German scientist, Dr. Stager.

He has revealed that drifting snow may become electrified and thus cause discharges which can be perceptible in nearby receivers.

It has been known that fine dust or fog or even steam clouds are easily electrified and thus become potential sources of interference, but Dr. Stager has been able to show that fine snow particles when drifting in the Swiss mountains were strongly charged.

Experiments in England have proved that even steadily falling snow can prove a medium for interference. One wonders why these particles must drift before they become charged and where the charge comes from.

Decision Upholds Right to Broadcast Market Reports

CHICAGO.—A far reaching decision clarifying the status of certain classes of Radio broadcasting was seen in the opinion handed down recently by the Cook county appellate court, sustaining the John P. Bowles company, cattle brokers, in an injunction against the Chicago Livestock exchange, restraining that organization from interfering with the daily broadcast market reports by remote control from the stock yards over WHT, which is conducted as a public service by the brokerage concern.

The injunction is the outgrowth of a resolution adopted by the Livestock exchange effective December 1, restraining any member of the concern from broadcasting market reports. The legal ruling was first granted by the circuit court and appealed by the Livestock exchange to the appellate branch.

WOC Heard in Holland

DAVENPORT, Ia.—Word has just been received that WOC, Palmer school station here, was heard clearly in Delf, Holland, during the international Radio week tests.

NEWS BULLETINS

Daily Except Sunday

Eastern	Central	Mountain	Pacific	
9:45 a. m.	8:45 a. m.	7:45 a. m.	6:45 a. m.	KDKA (309.1m-970kc).
10	9	8	7	WGN (302.8m-990kc).
10:35	9:35	8:35	7:35	WCCO (416.4m-720kc).
11	10	9	8	WOAI (394.5m-760kc).
12 n.	11	10	9	CFCA (356.9m-840kc); KDKA (309.1m-970kc); KPRC (296.9m-1010kc).
12:30 p. m.	11:30	10:30	9:30	WCAE (461.3m-650kc).
1	12 n.	11	10	KGW (491.5m-610kc); KNX (336.9m-890kc).
1:15	12:15 p. m.	11:15	10:15	WOAI (394.5m-760kc).
3:45	2:45	1:45 p. m.	12:45 p. m.	WHAS (399.8m-750kc).
4	3	2	1	WCX (516.9m-580kc).
4:30	3:30	2:30	1:30	WCAE (461.3m-650kc); WFAA (475.9m-630kc).
6	5	4	3	CFCA (356.9m-840kc).
6:30	5:30	4:30	3:30	WPG (299.8m-1000kc).
7	6	5	4	KOIL (278m-1080kc); WOC (483.6m-620kc).
7:15	6:15	5:15	4:15	WMAK (265.6m-1130kc); WOAI (394.5m-760kc).
8	7	6	5	WMBF (384.4m-780kc); WMCA (340.7m-880kc).
9	8	7	6	WSAI (325.9m-920kc).
9:30	8:30	7:30	6:30	KPO (428.3m-700kc).
10	9	8	7	KLX (508.2m-590kc).
10:45	9:45	8:45	7:45	WEBH (370.2m-810kc).

Sunday

Eastern	Central	Mountain	Pacific	
8 p. m.	7 p. m.	6 p. m.	5 p. m.	WMAK (265.6m-1130kc).
8:15	7:15	6:15	5:15	WEBH (370.2m-810kc).
9	8	7	6	WPG (299.8m-1000kc).
12	11	10	9	KFWB (252m-1190kc).

KYW, "The World Crier," broadcasts news every half hour from 8 a. m. to 2 a. m.

WRC Sends Farm Programs

WASHINGTON.—The farm Radio programs, arranged by the department of agriculture, have been added to the daily features broadcast by Station WRC, here. The farm information under the heading "Fifty Farm Flashes," together with the "Housekeepers' Half Hour," are being broadcast daily except Saturday and Sunday, from noon to 12:30 p. m., Eastern time. Appreciative rural listeners have written many letters thanking WRC.

Old Fireside Circle Is Brought Back by Radio

Restores to American Home What Other Inventions Took

DENVER.—Radio has restored to the American home what earlier inventions have ripped from it, according to George Sanford Holmes, managing editor of the Rocky Mountain News and Denver Times and a recent speaker over KOA at Denver. Through Radio, he asserts, the familiar fireside circle has been resumed and thousands of homes have been reconstructed.

"Millions thrill beneath the spell of Radio, drawing from the ether, inspiration and information, entertainment and education, recreation and relaxation," he emphasized.

"Upon the broadcasting station as well as the newspaper, rests a deep responsibility to discharge with integrity and intelligence the public trust which reposes inherently in each."

Organ Concert in New York Reaches Ship Off Honolulu

LOS ANGELES.—Organ music from a concert hall in Albany, N. Y., was the treat given California listeners on March 11, when KNX picked up and rebroadcast the program from WGY between 8 and 9 p. m. Pacific time. KNX's rebroadcast of WGY was picked up by Harold Janss aboard the President Cleveland a few hours out of Honolulu, making a total distance of 4,925 miles that the music traveled through the air.

KNX's rebroadcast also was again rebroadcast by KFWO, the Mott station on Catalina Island, thirty miles off the southern California coast.

Big Demand for Radio Book

CINCINNATI.—Librarians in practically all of the largest cities throughout the United States have adopted "Simplicity of Radio," by Powel Crosley, Jr., as one of their standard popular treatises on Radio.

The demand for books of this type may be judged from the fact that the New York city public library uses at the present time fifty-five copies of this book in its main library and branches.

Fred W. Stein.

Steinite Low Loss Interference Eliminator

No Radio Set Complete Without It

Select stations at will. With music and voices crowding the air the average set fails to bring in the desired stations properly. The *Steinite Interference Eliminator* shuts out local and other interference. You get one station at a time, the one you want, and tune in loud and clear. Operates on any set—attach to aerial wire and to set—no changes—no extra tubes or batteries. Greatest Dollar Value in Radio Today.

OVER 300,000 SOLD

Improved Results With Tube or Crystal Try entirely at my risk the wonderful improvement this inexpensive little device will make in the reception of your set. Improves results on both crystal and tube sets that use any kind of aerial except loop antenna. Clears up reception wonderfully, increases volume, and partially absorbs static. ***MONEY-BACK GUARANTEE.***

Mfrs. Famous 1,500 Mi. Steinite 1-Tube Set, $6; Long Distance Crystal Set, $6; Steinite Crystal 50¢—3 for $1

STEINITE 5-Tube Set—$29.75

FREE Descriptive Literature on request.

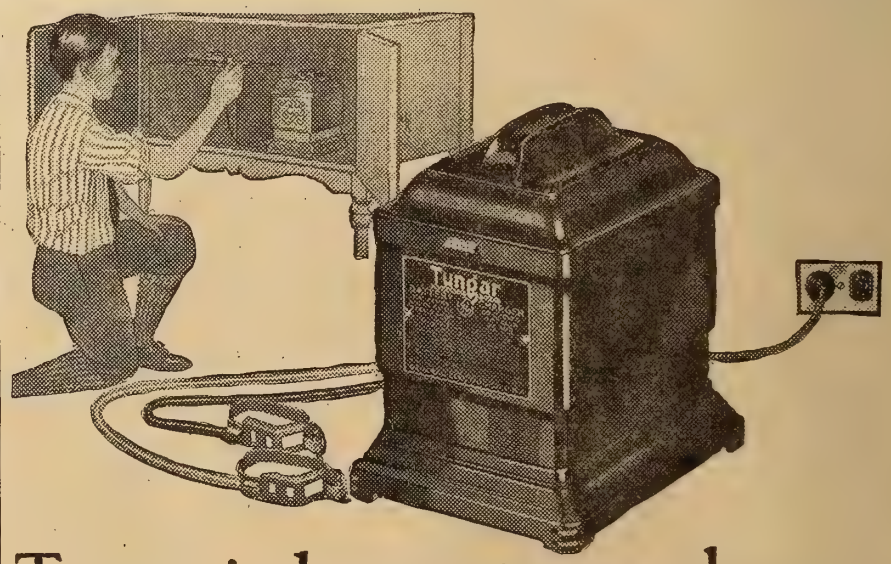
PATENT PENDING.

$1 Postpaid If you are not delighted with results you get your dollar back

Put this interference eliminator on your set and note amazing improvement. No tools needed—install in a moments time. Connect with set and follow simple instructions. Money back promptly if not delighted. $1.00 postpaid anywhere in U. S. when cash with order.

References: Exchange National Bank, Atchison Savings Bank. Order today—a dollar bill will do.

STEINITE LABORATORIES, 161 Radio Bldg., ATCHISON, KANSAS



Tungar is the easy-to-use charger

Anyone can clip a Tungar to a battery and plug it in on the house current. That's all there is to it.

Attach a Tungar at night—and have snappy batteries in the morning. It will not blow out Radiotrons.

It needs little attention. Only a dime's worth of current consumed for a charge. No wonder "Tungar" is fast becoming the word for battery charger.

Tungar is the original bulb charger. It is a G-E product developed in the Research Laboratories of General Electric.

The new Tungar charges 2, 4 and 6 volt "A" batteries, 24 to 96 volt "B" batteries, in series; and auto batteries, too. No extra attachments needed.

East of Rockies

Two ampere size $18.00
Five ampere size $28.00

60 cycles . . 110 volts

Merchandise Department General Electric Company Bridgeport, Connecticut

Tungar REG. U.S. PAT. OFF. BATTERY CHARGER

Tungar—a registered trademark—is found only on the genuine. Look for it on the name plate.

GENERAL ELECTRIC

AN EVENING AT HOME WITH THE LISTENER IN
IN EASTERN TIME

Call	Location	Met.	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday
AT9	Fort Bragg, N. C.	435	Silent	6:00- 7:00	Silent	Silent	Silent	8:00- 9:55	Silent
CFCA	Toronto, Ont.	356.9	Silent	7:00- 9:00	6:45- 7:45	Silent	7:00-12:00	Silent	Silent
CFCN	Calgary, Alta.	434.5	12:00- 2:00	Silent	Silent	Silent	Silent	10:00-11:00	Silent
CJCA	Edmonton, Can.	516.9	11:00- 1:00	9:30-10:30	9:30-11:30	9:30-10:00	8:00-10:00	11:00- 1:00	10:00-1:00
CKAC	Montreal, Que.	410.7	7:00-11:30	2:45- 3:45	Silent	7:00-11:30	Silent	7:30- 9:30	Silent
CKCL	Toronto, Ont.	356.9	7:00- 8:00	3:00- 4:55	Silent	7:00-11:50	Silent	7:00- 8:00	Silent
CKNC	Toronto, Ont.	356.9	8:00-10:00	Silent	8:00-11:00	Silent	Silent	Silent	Silent
CKY	Winnipeg, Man.	384.4	9:00-12:00	8:00-11:00	9:00- 1:00	Silent	8:30-12:00	9:30-12:00	Silent
CNRO	Ottawa, Ont.	434.5	8:30- 1:30	Silent	Silent	Silent	8:30- 1:30	Silent	Silent
CYL	Mexico City, Mex	480	Silent	10:24-11:54	Silent	10:24-11:54	Silent	Silent	10:24-11:54
CZE	Mexico City, Mex.	350	9:24-10:24	Silent	9:24-10:24	9:24-10:24	9:24-10:24	9:24-10:24	9:24-10:24
KDKA	Pittsburgh, Pa.	309.1	6:30- 9:55	4:00- 8:45	6:30- 9:55	6:30-12:35	6:30- 9:55	6:30-12:00	6:30-11:05
KFAB	Lincoln, Nebr.	340.7	6:30- 3:00	5:00-12:00	6:30- 3:00	6:30-11:30	6:30-11:30	Silent	6:30-11:30
KFDM	Beaumont, Texas.	315.6	Silent	9:00-10:00	Silent	9:00-11:30	Silent	Silent	9:00-11:30
KFH	Wichita, Kan.	268	11:00-12:00	8:15- 1:00	11:00- 2:15	11:00-12:00	11:00- 2:15	11:00-12:00	11:00-12:00
KFI	Los Angeles, Calif.	467	9:00- 6:00	7:00- 2:00	9:00- 2:00	9:00- 2:00	9:00- 2:00	9:00- 2:00	9:00- 2:00
KFJF	Okla. City, Okla.	260.7	7:30-11:45	3:30-12:45	7:30-11:45	7:30- 8:30	7:30- 1:00	7:30-11:45	7:30-11:45
KFKX	Hastings, Nebr.	288.3	6:30- 7:30	Silent	6:30-12:00	6:30- 7:30	6:30-12:00	6:30- 9:00	6:30-12:00
KFMX	Northfield, Minn.	336.9	Silent	8:00- 9:00	Silent	10:30-11:00	10:00-11:00	Silent	11:00-12:00
KFNF	Shenandoah, Ia.	263	8:00- 1:00	3:30- 9:30	8:00-10:00	8:00-10:00	8:00-10:00	8:00-10:00	8:00-10:00
KFOA	Seattle, Wash.	454.3	12:30- 2:00	Silent	10:00- 1:00	9:00- 2:00	10:00- 1:00	Silent	9:00- 2:00
KFON	Long Beach, Calif.	232.4	9:00- 2:00	9:00- 1:00	9:00- 2:00	9:00- 2:00	9:00- 2:00	9:00- 2:00	9:00- 2:00
KFQB	Fort Worth, Tex.	508.2	9:30-10:30	4:00- 9:30	9:30-10:30	9:30-10:30	Silent	9:30-10:30	9:30-10:30
KFRU	Columbia, Mo.	499.7	Silent	8:30- 9:30	7:15- 8:15	7:15- 8:15	10:00-12:00	7:15- 8:15	7:00- 3:00
KFUO	St. Louis, Mo.	545.1	Silent	5:00-11:15	9:00-10:00	Silent	10:15-11:15	Silent	Silent
KFVE	Univ'ty City, Mo.	240	10:15-11:15	Silent	10:15-11:15	10:15-11:15	10:15-11:15	Silent	10:15-11:15
KFWA	Ogden, Utah	260.7	11:00- 2:00	Silent	Silent	Silent	11:00- 2:00	Silent	Silent
KFWB	Hollywood, Calif.	252	11:00- 2:00	12:00- 2:00	10:30- 2:00	11:00- 2:00	11:00- 2:00	11:00- 2:00	10:10- 2:00
KFWI	San Francis., Calif.	226	Silent	11:00- 3:00	11:00- 3:00	Silent	11:00- 4:00	1:00- 3:00	11:00- 4:00
KFXF	Colorado Springs.	250	11:00- 1:00	9:30-10:30	10:30-12:30	10:30-12:30	Silent	11:00- 1:00	Silent
KGO	Oakland, Calif.	361.2	11:30- 3:00	6:30-11:30	9:00- 1:00	9:00- 3:00	9:00-10:00	11:00- 4:00	9:00-10:00
KGW	Portland, Ore.	491.5	9:00- 3:00	9:00- 1:00	9:00- 1:00	9:00- 3:00	9:00- 2:00	9:00-11:00	9:00- 3:00
KHJ	Los Angeles, Cal.	405.2	10:45- 1:00	7:00- 1:00	Silent	11:00- 1:00	11:00- 1:00	11:00- 1:00	11:00- 1:00
KIAF	Sihtipok, Minn.	421	Silent	3:00- 4:00	8:00- 9:00	Silent	8:00- 9:00	Silent	8:00- 9:00
KJR	Seattle, Wash.	384.4	11:30- 1:00	8:00- 1:30	10:00- 1:00	10:00- 1:00	10:00- 1:00	10:00- 3:00	10:00- 1:00
KLDS	Independence, Mo.	440.9	9:00-10:00	7:30-11:00	Silent	9:00-12:59	Silent	9:00-10:00	Silent
KLX	Oakland, Calif.	508.2	Silent	Silent	7:00- 1:30	Silent	7:00- 1:00	Silent	7:00- 1:30
KMA	Shenandoah, Iowa.	252	7:00-12:00	5:00- 7:00	7:00-12:00	7:00-12:00	7:00-12:00	7:00-12:00	7:00-12:00
KMOX	St. Louis, Mo.	280.2	7:00-12:00	10:00-11:00	7:00-12:00	7:00-12:00	7:00-12:00	Silent	7:00-12:00
KNX	Hollywood, Calif.	336.9	8:30- 5:00	9:30- 1:30	8:30- 3:00	8:30- 3:00	8:30- 3:00	8:30- 3:00	8:30- 3:00
KOA	Denver, Colo.	322.4	11:00- 1:00	5:00-10:45	8:30-12:30	8:30-10:30	8:30- 2:00	8:30- 9:30	8:30-11:00
KOB	StateCollege, N.M	348.6	Silent	Silent	9:30-10:30	Silent	Silent	Silent	9:30-10:30
KOIL	Council Bluffs, Ia.	278	8:00- 4:00	8:00- 1:00	7:00- 1:00	7:00- 1:00	7:00- 8:15	7:00- 1:00	7:00- 1:00
KPO	San Francisco, Cal.	428.3	9:35- 3:00	8:00- 1:00	9:40- 2:00	9:40- 2:00	9:40- 2:00	9:40- 2:00	9:30- 2:00
KPRC	Houston, Texas.	296.9	8:30-12:00	8:30-11:30	8:30-11:00	8:30-10:30	8:30- 1:00	8:30- 1:00	Silent
KPSN	Pasadena, Cal.	315.6	11:00- 1:00	11:45-12:45	Silent	11:00-12:00	Silent	11:00-12:00	Silent
KSD	St. Louis, Mo.	545.1	7:45-11:00	7:15-10:15	7:55-12:00	7:55-11:00	8:00-10:00	7:55-11:00	8:30-10:00
KSL	Salt Lake City, U.	299.8	10:00- 1:00	9:30-12:00	9:00- 1:00	9:00-12:30	9:30- 1:00	9:30- 1:00	9:30-12:00
KTAB	Oakland, Calif.	240	Silent	10:45-12:15	11:00- 1:00	11:00- 1:00	11:00- 1:00	12:00- 3:00	11:00- 1:00
KTBI	Los Angeles, Cal.	293.9	Silent	10:15-12:30	Silent	11:00-12:00	Silent	11:00-12:00	Silent
KTCL	Seattle, Wash.	305.9	Silent	12:10- 9:10	10:00-11:00	11:00-12:00	Silent	Silent	10:00- 3:00
KTHS	Hot Springs, Ark.	374.8	10:00-11:30	10:00-12:30	10:00-12:00	10:00-11:30	10:00-12:00	10:00-11:45	10:00-12:00
KTW	Seattle, Wash.	455	9:30-10:30	Silent	Silent	9:30-10:30	Silent	9:30-10:30	Silent
KUOA	Fayetteville, Ark.	299.8	Silent	Silent	Silent	8:30- 9:30	9:00-10:00	Silent	Silent
KWKH	Shreveport, La.	260.7	10:00- 1:00	8:00-12:00	10:00-12:30	10:00- 1:00	Silent	9:00-10:30	Silent
KWSC	Pullman, Wash.	348.6	Silent	Silent	10:30-12:00	Silent	10:30-12:00	Silent	10:30-12:00
KWWG	Brownsville, Tex.	278	7:00- 8:00	Silent	9:30-10:30	7:00- 8:00	7:00- 8:00	7:00- 8:00	7:00- 8:00
KYW	Chicago, Ill.	535.4	7:00- 3:00	3:30-12:00	Silent	7:00- 1:00	7:00- 3:00	7:00- 3:00	7:00- 3:00
NAA	Radio, Va.	434.5	Silent	Silent	7:45- 8:00	7:45- 8:00	7:25- 8:40	7:45- 8:00	7:45- 8:00
PWX	Havana, Cuba.	400	8:30-11:00	8:00-10:00	8:30-11:00	8:30-11:00	8:00-10:00	Silent	8:30-11:00
WADC	Akron, Ohio.	258	6:30- 7:30	6:30- 7:30	6:30- 7:00	6:30-11:30	6:30- 7:30	6:30-11:00	6:30-11:00
WAHG	Richmond, N. Y.	315.6	12:00- 2:00	Silent	8:00- 2:00	Silent	7:30-12:00	Silent	8:00-11:00
WAIU	Columbus, Ohio.	293.9	9:15-11:00	3:00- 4:00	6:00-11:30	6:00-12:00	6:00- 7:00	6:00- 7:00	6:00-12:00
WAMD	Minneapolis, Minn.	244	7:15-11:30	8:00-11:00	8:00- 1:00	Silent	8:00- 1:00	7:15- 1:00	7:15- 1:00
WBAL	Baltimore, Md.	246	Silent	6:30- 8:30	6:30-10:00	6:30-10:00	Silent	6:00-10:00	6:30-10:00
WBAP	Fort Worth, Tex.	475.9	7:00-12:00	6:00-12:00	7:00- 1:00	7:00-12:00	7:00- 7:30	7:00- 1:00	7:00- 1:00
WBAR	Sisiht, Wis.	406	Silent	11:00-12:00	10:00-11:00	Silent	9:00-10:00	8:30- 9:30	Silent
WBBM	Chicago, Ill.	226	9:00- 3:00	5:00- 3:00	7:00- 8:00	9:00- 1:00	9:00- 3:00	9:00- 1:00	9:00-11:00
WBBR	Staten Island, N.Y	272.6	8:00-10:00	9:00-10:15	8:00- 9:00	Silent	Silent	8:00- 9:00	Silent
WBCN	Chicago, Ill.	266	10:00- 2:00	6:00- 1:00	Silent	10:00- 2:00	9:00- 1:00	10:00- 3:00	10:00- 2:00
WBPI	New York, N. Y.	263	6:00-11:45	Silent	6:00-11:00	6:00-11:00	6:00-11:00	6:00-11:00	6:00-11:00
WBZ	Springfield, Mass.	333.1	6:30-10:00	7:00- 9:00	6:30-10:30	6:30-10:15	6:30-10:00	6:30-10:00	6:30-10:00
WCAE	Pittsburgh, Pa.	461.3	8:30- 9:30	6:30-10:15	6:30-12:00	6:30-12:00	6:30-10:00	6:30-11:00	6:30-10:30
WCAP	Washington, D. C.	468.5	Silent	4:00-10:15	6:00-11:00	Silent	7:00-12:30	Silent	6:00-12:30
WCAU	Philadelphia Pa.	278	Silent	5:00-11:30	8:00-11:30	6:45-11:30	6:45-12:00	6:30-12:30	6:45-11:30
WCBD	Zion, Ill.	344.6	Silent	9:00-11:30	Silent	9:00-11:30	Silent	9:00-11:30	Silent
WCCO	Minn-St. P., Minn	416.4	7:15-12:05	5:10- 9:15	7:30-11:00	7:15-11:00	7:45- 1:30	8:00-12:05	7:15-12:05
WCOA	Pensacola, Fla.	222	12:00- 1:00	Silent	7:30- 8:30	Silent	7:30- 8:30	Silent	7:30- 8:30
WCX	Detroit, Mich.	516.9	6:00- 7:00	7:15- 8:15	6:00- 9:00	6:00-11:00	6:00- 9:00	6:00- 9:00	6:00-10:00
WDAF	Kansas City, Mo.	365.6	7:00- 2:00	5:00- 5:45	7:00- 2:00	7:00- 2:00	7:00- 2:00	7:00- 2:00	7:00- 2:00
WDBO	Winter Park, Fla.	240	9:00-10:30	5:00- 6:00	9:00-10:30	9:30-11:00	9:00-10:30	9:00-10:30	9:00-10:30
WDWF	Providence, R. I.	440.9	Silent	Silent	Silent	8:30- 9:30	Silent	Silent	Silent
WEAF	New York, N. Y.	491.5	6:00-12:00	2:00-10:15	6:00-12:00	6:00-12:00	6:00-12:00	6:00-12:00	6:00-12:00
WEAN	Providence, R. I.	270.1	6:30-10:30	7:30- 8:45	6:30-10:30	6:30-10:30	6:30-10:30	6:30-10:30	6:30-10:30
WEAO	Columbus, Ohio.	293.9	Silent	Silent	Silent	7:00- 9:00	8:00- 9:00	8:00-11:00	Silent
WEAR	Cleveland, Ohio.	389.4	7:00- 1:00	7:00-10:15	7:00- 8:00	7:00-12:00	7:00- 8:00	7:00-11:00	7:00-12:00
WEBH	Chicago, Ill.	370.2	8:00- 3:00	6:00-10:00	Silent	8:00- 1:30	8:00- 1:30	8:00- 1:30	8:00- 1:30
WEBJ	New York, N. Y.	272.6	Silent	Silent	Silent	8:00- 9:00	8:00-10:00	Silent	7:00- 9:00
WEEI	Boston, Mass.	348.6	8:10-11:00	3:00-10:15	6:15-11:00	7:30-11:30	6:15-11:00	7:30-11:00	7:30-11:00
WEMC	BerrienSpgs., Mich.	285.5	Silent	8:15-10:10	8:15- 9:15	Silent	8:15- 9:15	Silent	Silent
WENR	Chicago, Ill.	266	7:00- 3:00	3:00- 1:00	Silent	7:00-11:00	7:00- 3:00	7:00-11:00	7:00- 3:00
WFAA	Dallas, Tex.	475.9	7:30- 1:00	7:00- 1:00	7:30-10:30	7:30- 1:00	Silent	7:30- 1:00	7:30-10:30
WFBH	New York, N. Y.	272.6	11:30- 2:00	5:00- 8:00	11:30- 2:00	11:30- 2:00	11:30- 2:00	11:30- 2:00	11:30- 2:00
WFI	Philadelphia, Pa.	394.5	6:30-12:00	4:30- 5:30	6:30- 8:00	6:30-11:30	6:30- 8:00	6:30-11:00	6:30- 8:00
WGBS	New York, N. Y.	315.6	6:00-11:30	8:00- 9:00	7:00- 7:15	6:30-11:30	6:00- 8:30	6:00- 8:45	Silent
WGBU	Fulford, Fla.	278	6:30- 1:00	9:30-12:00	6:30- 1:00	6:30- 1:00	6:30- 1:00	6:30- 1:00	6:30- 1:00
WGCP	New York, N. Y.	252	8:30-12:00	3:00- 6:00	9:00-11:30	Silent	7:00- 9:15	10:30- 1:00	7:00- 9:10
WGES	Oak Park, Ill.	250	6:00- 2:00	6:00- 1:00	Silent	11:30- 3:00	11:30- 3:00	11:30- 3:00	11:30- 3:00
WGHB	Clearwater, Fla.	266	6:30- 1:00	Silent	6:30- 1:00	6:30- 1:00	6:30- 1:00	6:30- 1:00	6:30- 1:00
WGHP	Detroit, Mich.	270	Silent	Silent	6:00- 1:00	6:00- 1:00	6:00- 1:00	6:00- 1:00	6:00- 1:00
WGN	Chicago, Ill.	302.8	7:30-11:00	4:00-10:15	Silent	7:30-12:00	7:30-12:00	7:30-12:00	7:30-12:00
WGR	Buffalo, N. Y.	319	8:15-10:00	7:45-10:15	6:30- 1:00	6:30-11:00	6:30-12:00	6:30-11:00	6:30- 1:00
WGY	Schenectady, N. Y.	379.5	6:30-12:00	3:00- 9:15	6:30- 8:45	6:30-11:30	6:30- 9:05	6:30-12:30	7:00-11:30
WHAD	Milwaukee, Wis.	275.1	Silent	4:15- 5:15	7:15-11:00	7:15- 8:00	7:15- 1:30	7:15- 8:00	7:15-11:00
WHAR	Atlantic City, N.J.	275.1	7:30- 9:00	7:50-10:00	7:30-12:00	7:30- 9:00	Silent	7:30-12:00	7:30- 9:00
WHAS	Louisville, Ky.	399.8	8:30-10:00	5:30- 6:30	Silent	8:30-10:30	8:30-10:00	8:30-10:00	8:30-10:00
WHAZ	Troy, N. Y.	379.5	Silent	Silent	9:00-12:00	Silent	Silent	Silent	Silent
WHB	Kansas City, Mo.	365.6	Silent	9:00- 2:00	8:00- 9:00	8:00-11:00	8:00- 9:00	8:00-11:00	8:00- 9:00
WHN	New York, N. Y.	361.2	Silent	3:00-12:30	6:00-12:30	6:00- 1:00	6:00- 1:00	6:00- 1:00	6:00- 1:30
WHO	Des Moines, Ia.	526	Silent	8:30- 1:00	8:30- 1:00	8:30- 1:00	7:00- 1:00	8:30- 1:00	8:30- 1:00
WHT	Chicago, Ill.	399.8	8:00- 2:00	1:00-11:30	Silent	8:00- 2:00	8:00- 2:00	8:00- 2:00	8:00- 2:00
WIBO	Chicago, Ill.	226	7:00- 9:00	7:00- 1:00	Silent	7:00- 4:00	7:00- 4:00	7:00- 4:00	7:00- 3:00
WIP	Philadelphia, Pa.	508.2	6:05-12:05	4:00- 5:00	6:05- 8:00	6:05-11:30	6:05- 8:00	6:05-11:15	6:05- 8:00
WJAR	Providence, R. I.	305.9	Silent	6:00-10:15	7:45-11:00	7:30-10:00	7:30-11:00	8:00-11:00	7:55-12:00
WJAS	Pittsburgh, Pa.	275.3	7:00-12:00	Silent	7:00-12:00	7:00-12:00	7:00-12:00	7:00-12:00	7:00-12:00
WJAX	Jacksonville, Fla.	336.9	8:00-10:00	7:30- 8:30	8:00-10:00	8:00-12:00	8:00-10:00	8:00-12:00	8:00-10:00
WJAZ	Chicago, Ill.	322.4	Silent	Silent	Silent	Silent	Silent	11:00- 1:00	Silent
WJJD	Mooseheart, Ill.	370.2	6:30- 2:00	4:00- 5:00	Silent	6:30- 2:00	6:30- 2:00	6:30- 2:00	6:30- 2:00
WJR	Pontiac, Mich.	516.9	7:00-12:30	Silent	7:00-12:30	7:00-10:00	7:00-12:30	7:00-11:00	7:00-10:00
WJZ	New York, N. Y.	454.3	7:00-10:25	2:30-11:00	7:00-11:30	7:00-11:45	7:00-11:45	7:00-11:45	7:00-11:30
WKAQ	San Juan, P. R.	340.7	Silent	Silent	Silent	Silent	7:00- 9:00	7:00- 9:00	7:00- 9:00
WKAR	Lansing, Mich.	285.5	Silent	Silent	7:15- 9:00	7:00- 8:00	7:00- 9:00	7:00- 8:00	7:15- 9:00
WKRC	Cincinnati, O.	422.3	11:00- 1:45	6:45- 1:30	7:00- 2:00	11:00- 1:00	7:00- 2:00	11:00- 1:15	Silent
WLIB	Chicago, Ill.	302.8	7:00- 2:00	6:00- 8:00	Silent	8:00- 2:00	8:00- 2:00	8:00- 2:00	8:00- 2:00
WLIT	Philadelphia, Pa.	394.5	5:30- 6:30	7:00- 8:30	5:30- 9:45	5:30- 5:50	5:30- 9:30	5:30- 6:30	5:30-10:00
WLS	Chicago, Ill.	344.6	8:00- 2:00	7:00- 8:55	Silent	8:00- 9:00	8:00-12:30	8:00- 9:55	8:00-12:30
WLW	Cincinnati, O.	422.3	8:00-11:30	4:00-10:30	7:00-10:00	7:00-11:00	7:00- 1:00	8:00- 2:15	Silent
WLWL	New York, N. Y.	288.3	Silent	7:00- 8:00	8:00-10:00	8:00- 9:00	Silent	8:00-10:00	Silent
WMAK	Lockport, N. Y.	265.5	6:15-11:00	7:30- 8:30	7:30-11:00	6:15- 7:15	7:30-10:00	7:15- 8:00	Silent
WMAQ	Chicago, Ill.	447.5	9:00-11:00	Silent	Silent	9:00-11:15	9:00-10:45	8:00-12:00	9:00-11:15
WMAZ	Macon, Ga.	260.7	Silent	Silent	10:00-11:00	8:00- 9:00	11:00-12:00	10:00-11:00	8:00-11:00
WMBB	Chicago, Ill.	250	8:00-12:00	4:00-12:00	Silent	8:00-12:00	8:00-12:00	8:00-12:00	8:00-12:00
WMBF	Miami Beach, Fla.	384.4	7:00- 1:00	7:00- 1:00	7:00- 1:00	7:00- 1:00	7:00- 1:00	7:00- 1:00	7:00- 1:00
WMC	Memphis, Tenn.	499.7	8:15-10:30	Silent	8:15-10:00	8:15- 1:00	Silent	8:15-10:45	8:15- 1:00
WMCA	New York, N. Y.	340.7	9:00- 1:00	7:00-10:00	9:00-12:00	8:00-12:00	9:00-12:00	9:00-12:00	8:00-11:45
WNAC	Boston, Mass.	280.2	6:00-11:00	3:15- 8:45	6:30-10:45	6:00- 9:00	6:00-10:00	6:00- 9:00	6:00-11:00
WNYC	New York, N. Y.	526	7:00-10:30	9:00-11:00	7:35-10:30	7:10-10:30	7:30-10:30	7:35-10:30	7:30-10:30
WOAI	San Antonio, Tex.	394.5	Silent	8:30-11:30	Silent	9:30-10:30	9:30-10:30	Silent	9:30-10:30
WOAN	Lawrenceb'g, Tenn.	282.8	Silent	10:00-11:00	10:00- 2:30	10:00-11:00	10:00-11:00	10:00-11:00	10:00-11:00
WOAW	Omaha, Nebr.	526	7:00- 1:00	7:00-10:00	7:00-11:00	7:00- 2:00	Silent	7:00- 2:00	7:00-12:15
WOAX	Trenton, N. J.	240	Silent	9:30-11:30	Silent	Silent	Silent	Silent	Silent
WOC	Davenport, Ia.	483.6	10:00- 1:00	7:30-12:45	Silent	7:30-12:30	7:30-11:30	7:30- 1:00	7:30-11:30
WOK	Homewood, Ill.	217.3	11:00- 2:00	7:30- 9:30	7:00- 2:00	11:00- 2:00	11:00- 2:00	11:00- 2:00	11:00- 2:00
WOO	Kansas City, Mo.	508.2	Silent	6:05-10:15	6:00- 7:00	7:30- 8:30	7:30-12:00	7:30- 8:30	7:30-12:00
WOQ	Philadelphia, Pa.	278	9:00-12:00	9:00-10:15	Silent	9:00-10:00	Silent	8:00-10:00	Silent
WOR	Newark, N. J.	405.2	6:15-12:00	Silent	6:15-12:00	6:15- 8:00	6:15-11:30	6:15- 8:20	6:15- 8:00
WORD	Batavia, Ill.	275	8:00-11:25	3:30-11:00	Silent	8:00- 1:45	8:00- 1:00	9:00-11:00	8:00- 1:45
WOS	Jefferson City, Mo	440.9	Silent	9:00-10:00	9:00-11:00	Silent	9:00-11:00	Silent	9:00-11:00
WPG	Atlantic City, N.J	299.8	6:45-12:00	3:15-11:00	6:45-12:00	6:45-12:00	Silent	6:45-12:00	6:45-12:00
WQJ	Chicago, Ill.	447.5	8:00- 4:00	8:00-11:00	Silent	8:00- 3:00	8:00- 3:00	8:00- 3:00	8:00- 3:00
WRC	Washington, D. C.	468.5	7:15-11:30	Silent	Silent	7:00-11:30	Silent	7:00-12:30	Silent
WREO	Lansing, Mich.	285.5	10:00-12:00	Silent	Silent	8:15-10:00	Silent	8:15-10:00	Silent
WRVA	Richmond, Va.	256	Silent	Silent	8:00-11:15	Silent	8:00-11:00	8:00-11:00	7:00-11:00
WRW	Tarrytown, N. Y.	273	9:00-11:30	8:00-11:30	9:00-11:30	9:00-11:30	9:00-11:30	9:00-11:30	9:00-11:30
WSAI	Cincinnati, O.	325.9	8:30- 2:00	4:00-11:15	11:00-12:00	8:00-11:00	8:00-11:15	8:00-11:00	Silent
WSB	Atlanta, Ga.	428.3	9:00- 1:00	8:30-10:15	9:00- 1:00	9:00- 1:00	11:45- 1:00	9:00- 1:00	9:00- 1:00
WSBC	Chicago, Ill.	209.7	7:30- 5:00	7:30- 2:00	6:30- 8:00	7:30- 2:00	7:30- 2:00	7:30- 2:00	7:30- 2:00
WSM	Nashville, Tenn.	282.8	7:30- 1:00	Silent	7:30-12:00	11:00- 1:00	7:30-12:00	Silent	7:30-12:00
WSMB	New Orleans, La.	319	9:30-11:30	Silent	9:30-12:30	Silent	9:30-11:30	9:30-12:00	Silent
WSUI	Iowa City, Ia.	483.6	Silent	10:15-10:45	8:30-10:00	Silent	Silent	Silent	Silent
WSWS	Chicago, Ill.	275.1	7:00- 2:00	Silent	7:00- 8:00	7:00- 2:00	7:00- 2:00	7:00- 2:00	7:00- 2:00
WTAG	Worcester, Mass.	268	Silent	4:00-10:15	7:00-11:00	7:45-11:00	7:45-11:00	8:00-11:00	8:00- 9:30
WTAM	Cleveland, O.	389.4	6:00-12:00	Silent	6:00-12:00	6:00- 7:00	6:00-12:00	6:00- 7:00	6:00- 7:00
WTIC	Hartford, Conn.	475.9	6:30-12:00	5:00-10:30	6:30-12:00	Silent	6:30-10:00	6:30- 7:30	6:30-12:00
WWJ	Detroit, Mich.	352.7	Silent	6:20-10:00	6:00- 9:00	6:00- 9:00	6:00-10:00	6:00-12:30	6:00-10:00

STATIONS IN ORDER OF WAVE LENGTHS

Meters	Call	Meters	Call	Meters	Call	Meters	Call	Meters	Call	Meters	Call
209.7	WSBC	266	WBCN	288.3	KFKX	340.7	WKAQ	394.5	WOAI	468.5	WCAP
217.3	WOK	266	WGHB	288.3	WLWL	340.7	WMCA	399.8	WHAS	468.5	WRC
222	WCOA	268	KFH	293.9	KTBI	344.6	WCBD	399.8	WHT	475.9	WBAP
226	KFWI	268	WTAG	293.9	WAIU	344.6	WLS	400	PWX	475.9	WTIC
226	WBBM	270.1	WEAN	293.9	WEAO	348.6	KOB	405.2	KHJ	475.9	WFAA
226	WIBO	270.1	WGHP	296.9	KPRC	348.6	KWSC	405.2	WOR	480	CYL
232.4	KFON	272.3	KWKH	299.8	KUOA	348.6	WEEI	406	WBAR	483.6	WOC
240	KFVE	272.6	WBBR	299.8	KSL	350	CZE	410.7	CKAC	483.6	WSUI
240	KTAB	272.6	WEBJ	299.8	WPG	352.7	WWJ	416.4	WCCO	491.5	KGW
240	WDBO	272.6	WFBH	302.8	WGN	356.9	CFCA	421	KIAF	491.5	WEAF
240	WOAX	273	WRW	302.8	WLIB	356.9	CKCL	422.3	WLW	499.7	KFRU
244	WAMD	275.1	WHAD	305.9	KTCL	356.9	CKNC	422.3	WKRC	499.7	WMC
246	WBAL	275.1	WHAR	305.9	WJAR	361.2	KGO	428.3	WSB	502.8	KFQB
250	KFXF	275.1	WORD	309.1	KDKA	361.2	WHN	428.3	KPO	508.2	KLX
250	WGES	275.1	WSWS	315.6	KFDM	365.6	WDAF	434.5	CNRO	508.2	WIP
250	WMBB	275.3	WJAS	315.6	KPSN	365.6	WHB	434.5	CFCN	508.2	WOO
252	KFWB	278	KOIL	315.6	WAHG	370.2	WEBH	434.5	NAA	516.9	CJCA
252	KMA	278	KWWG	315.6	WGBS	370.2	WJJD	435	AT9	516.9	WCX
252	WGCP	278	WCAU	319	WGR	374.8	KTHS	440.9	KLDS	516.9	WJR
256	WRVA	278	WGBU	319	WSMB	379.5	WGY	440.9	WDWF	526	WHO
258	WADC	278	WOO	322.4	KOA	379.5	WHAZ	440.9	WOS	526	WNYC
260.7	KFWA	280.2	KMOX	322.4	WJAZ	384.4	CKY	447.5	WMAQ	526	WOAW
260.7	KFJF	280.2	WNAC	325.9	WSAI	384.4	KJR	447.5	WQJ	535.4	KYW
260.7	KWKH	282.8	WOAN	333.1	WBZ	384.4	WMBF	454.3	KFOA	545.1	KFUO
260.7	WMAZ	282.8	WSM	336.9	KNX	389.4	WEAR	454.3	WJZ	545.1	KSD
263	WBPI	285.5	WEMC	336.9	KFMX	389.4	WTAM	455	KTW		
263	KFNF	285.5	WKAR	336.9	WJAX	394.5	WFI	461.3	WCAE		
265.6	WMAK	285.5	WREO	340.7	KFAB	394.5	WLIT	467	KFI		

SHORT WAVES

By Marcella

(Continued from page 6)

McNamee ever sang via WEAF? Well, he doesn't. However, he has. Twice during two "WEAF Home Talent" programs and once in an "Eveready Hour" program. All three times he was announced under his own name.

* *

Wayne wants to know what became of the Reese-Hughes orchestra, formerly heard over WHO, Des Moines. The orchestra was then playing at WHO through the courtesy of the Fort Des Moines hotel, of Des Moines, but has since removed to play at the Blackhawk hotel, Davenport. Perhaps WOC will broadcast it some time.

* *

Lillian Madeson, WOAW singer, has not been heard of late there, because the stork visited her recently and made her mother of a bouncing baby boy. Her evenings are now engaged in singing him to sleep.

* *

Chawlie, of Cincinnati, gets mushy with me. Shame on you! You don't know who I am, and wouldn't you be surprised, though, if you ever saw me. I'll admit you sound interesting—but to give you the information, as much as I know, the Coldwater, Miss., station is WREC, wave length 254.1 meters. You probably can't get them any more on account of the congestion. KFKB, late of Milford, Kansas, is a delete now, for Dr. Jones sold out his transmitter to Norman Baker, of Muscatine, Ia., and the latter gentleman has ex-KFKB on the air under the colors KTNT. Walter Tison is the director and announcer of WGHB, Clearwater, Fla.

* *

WCX, Detroit, is back in the hands of C. D. "Chief" Tomy, its original director and daddy. This bit of news no doubt will interest many members of the Red Apple club, at whose meetings the "Chief" will again officiate. For several months back he has been in charge of WGHP, Detroit.

* *

Sammy Stept's location? He's now at WJZ, New York, with Frank Kamplain and Al Bernard, the Record Boys. Sammy still seems to keep his popularity.

* *

Speaking of the "Phantoms" of KPRC, Houston, about whom so many letters of inquiry have been received, I can only add to the mystery. It would be unfair to divulge their identity when they have been so careful to keep it secret. The lady member of the Phantoms—"Phantoinette"—is a stately blonde with curly bobbed hair and blue eyes, and has been on tour in eastern vaudeville circuits during the past two seasons. She does the vocal part of the program, while the male member of the Phantoms is the pianist. He is a round, jovial chap about 28 years of age, 175 pounds heavy, and has dark hair and blue eyes. A civil engineer by education and profession, he prefers Radio entertaining as an avocation.

* *

What deep secret would you like to know about your favorite broadcast star? Drop me a note, girls and boys, and I'll do my best to answer here. MARCELLA.

BEST MACARONI DISHES

(Continued from page 6)

stiffly beaten egg whites. Pour into a buttered mold or baking pan and sprinkle with paprika. Set mold in a pan of hot water. Bake 40 minutes in a moderate oven, 350° F. This amount will serve six.

Sauce for Loaf

It is not necessary to serve a sauce with this loaf, but in case you wish to use one, I suggest Gold Medal egg sauce, as we have found it to be the most delicious with this particular loaf. Here is the recipe for the sauce: ¼ cup butter, 2 tablespoons Gold Medal flour, ¾ cup milk, ½ teaspoon salt, ⅛ teaspoon pepper, 2 egg yolks, 4 tablespoons lemon juice, grated rind of ½ lemon.

Method: Melt the butter, add flour and blend to a smooth paste. Add the milk and stir until the sauce boils. Add salt, pepper, and egg yolks, and stir until smooth without allowing the sauce to boil. Add the lemon juice very gradually. Serve at once on the macaroni and salmon loaf.

Serve Vegetable or Fruit

With the macaroni and salmon loaf, I suggest that you serve string beans, spinach or any other green vegetable, and stewed or canned fruit with cookies or cake or any simple dessert.

Gold Medal Semolina Special is our second recipe. Here it is: 4 tablespoons butter, 4 tablespoons Gold Medal flour, 2 cups milk, 1½ teaspoon salt, ⅛ teaspoon pepper, ½ cup grated American cheese, ¼ cup sweet green pepper chopped, ¼ cup pimento chopped, 3 hard boiled eggs, 2 cups cooked spaghetti, ¼ cup stuffed olives.

Method: Melt butter, add flour, and blend to a smooth paste. Add the milk gradually and cook 10 minutes. Season with salt and pepper. Add grated cheese, green pepper, pimento and hard cooked eggs. Stir in the cooked spaghetti. Turn into a buttered baking dish. Bake 25 minutes in a moderate oven, 325° F. Remove from oven and sprinkle with chopped stuffed olives.

Daylight Distance Easy for WHT

CHICAGO.—WHT, stationed on the Wrigley building here, claims recognition for having its morning and noon programs heard in Boston, Mass., and Azlo, Texas. Fort Collins, Colo., also reports WHT's daylight broadcasts. The three points are all approximately 1,000 miles from Chicago.

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$85,000,000 for Radio Programs

HOW would you like to have $85,000,000? Apply to Uncle Sam and see if he will give it to you. Perhaps he will, for it was recently done for a group of millionaires by our senate and house of representatives and Mr. Coolidge.

The occasion was the refunding of the large estate inheritance tax with a two-year retroactive clause in it. In common speech, this means that $85,000,000, levied against about a dozen millionaire estates and literally in Uncle Sam's pockets, was given back to these estates. No explanation was given as to the cause of this going back two years and taking the burden of taxation off of a dozen dead millionaires to place on millions of living wage earners in the future.

Did your senator or congressman let this go through? Most of them did.

The first reason for this editorial was to propose that Uncle Sam endow broadcasting stations with a fund, say $85,000,000, the interest earned on which principal would be devoted to purchasing first class talent for the Radio broadcasting stations.

An annual fund of five million dollars would be available for this purpose. Uncle Sam could sponsor its expenditure. The machinery for spending this money to improve programs would not be difficult to organize.

Think of the great benefits to the great army of Radio listeners. The problem of who is to pay for broadcasting would be solved forever.

We appeal directly to the heirs of those estates which received the big "divvy" (the rebate of the $85,000,000) to contribute this paltry (to them) sum to the future of Radio. Let their big-heartedness and foresight for the public welfare be expressed in such a permanent endowment.

We will bless forever the first of these millionaire heirs and heiresses who signs up for the outlined proposal. The line forms at the right.

Give Congress the Ether

AS THIS was being written, the house of representatives had just passed the revised White Radio bill. It has gone to the senate for action. Representative Davis, of Tennessee, a democrat, led the principle opposition and offered dozens of amendments, almost all of which were voted down. The other representatives, excepting White of Maine, father of the bill, were practically silent. They didn't know what it was all about and cared less.

The definition of the word "ether" caused quite a furor. Old-womanish representatives almost caused an investigation to be made. They demanded more knowledge of the ether.

Many a scientist would give several years of his life to really know what the ether is. It is such a factor in modern science. Yet we know little about it.

But the house, twiddling its thumbs and puzzling over the definition of a word, passed the bill with minor changes. Probably many important things were overlooked, ignorantly or intentionally.

However, we need a law, despite how much favoritism it may show or how weak it may be. We hope the senate has passed the bill before this issue reaches your hands. If the senate does, and the president signs it, we will be able to get at least a skeleton of an administration for misadministered Radio.

Our "do-nothing" government, as a contemporary publication has aptly labeled the present administration, will have given some sort of excuse for its existence.

Chicago's Silent Night

THE Chicago Tribune is sounding its readers to see what they think about Chicago's silent Monday night with an idea of modifying it in the summer time. There is much to be said on both sides. But Chicago, of course, has a problem individual and different from most cities. New York has an analogous congestion difficulty.

We like to believe that some day, somehow, a receiver will be invented which will be so perfect in its operation that silent nights will not be required to penetrate the local barrage. The romance of distance and the love of variety has not changed.

RADIO INDI-GEST

Grandfather Listens In

I thought the world had plunged ahead
With hard and reckless power,
And all old gentle things were dead
And blown like a dry flower.
And lying lonely here abed,
I had, I fear, grown sour.

But now I feel a different way,
With the heater red and roaring
And the lamp dim and the room gray
And the loud speaker pouring
"When You and I Were Young, Maggie,"
In a tenor softly soaring.

For I see that the young and bold and new
Are only fresh leaves hung
On the old oak standing the ages through;
This Radio, now, has sprung
From the loving toil eternally true
"When you and I were young."

CARLTON CULMSEE

Who's Who In Ioway?

Dear Indi: Last night an announcer at a certain Iowa station, while broadcasting a program from a dance hall by remote control, declared, "Among the guests present tonight, are the mayor and the president of the fair association. In fact, there are hundreds of representatives of the upper and lower crusts of society."

ELOISE

Always Always and Spanish Shawl

This is Station XXXX, Podunk. You have just listened to Whos Whozis and his orchestra playing "Spanish Shawl," "Always," "Spanish Shawl" and "Spanish Shawl." For their next numbers, they will play "Always," "Spanish Shawl," "Always" and "Always."

TIRED TILLY

"A FLOP ON THE STAIRS"

by THE THIRD TROMBONE PLAYER

Episode 1—"A Bucket of Blood"

A SHOT was heard! A woman's voice shreiked through the night air. Then all was still, quiet and almost silent.

(Hot ziggity, this is gonna be good. Watch for the next episode. Agnes, quit chewing your finger nails, and you, Aloysius, stop drumming with your fingers.)

Not a Moving Picture

Dear Indi: I see in your column where our old friend the Night Herd says as how some stations have put on a play and named it "The Night Herd" and how he lows as how folks will think it is about him. Well, he ain't got nothin on me. I see as how they have got an announcer down at WSE, the At——lant——ahh Journal, what they call "Old King Tutt—The Radio Nut." Well maybe someone will think that is me—which it ain't, but my better seven-eights says that if he is a bigger Radio nut than yours truly, then she shore pitties his wife. As ever yours, OLD KING TUTT (Himself)

P. S. Which I says maby he ain't got none.

Where have you been, Tutt? Seems like the last time we heard from you was about 3,000 years ago.

My Pals

Soon the lowing of the cattle dies away and all is still,
Save the howling of a coyote lurking on a nearby hill
Or the sound of brushing bodies when the herd begins to mill—
And I'm alone when light of day has gone.
But there are three pals beside me—one is Shep, my mongrel pet
One's a pinto saddle pony—one's an eight tube superhet.
And there's a host of friendly voices in the ether I can get
To come and keep me company 'till dawn.

THE NIGHT HERD

Machine Has Cold Reception

Dear Indi: Kittle Drummer's ice machine inventshun might be all right, but it looks like it kind of balls things up.

AH GRATTON

Hey, Mildred, Give 'em Cards

Enter the nomination of Michael Angelo to the Famous Fans Club—he was the world's greatest designer of panels.

PABLO

Schouten, because he used the "Horn" to beat Magellan and he DX-ed Tierra del Fuego, and Demosthenes because he actually held a crystal set in his mouth to make him a loud speaker.

ELOISE R.

Mary, Queen of Scots, because she had her head set on a block.

SQUEAKY

Wanted—A Guardian

Dear Indi: Since you have joined the technical department and started fooling with that invention, I'm beginning to worry. Please don't play with matches.

S. P. C. A.

The Truth Will Out

Dear Indi: Have you noticed lately the decreased number of "loving cup" ears? I wonder if its from wearing head phones?

THAT RED HEAD GAL

Sorry, Bobette, but we are prone to tell the truth. We have seen more "loving cup" ears the past year than ever before, since Ponjola, Congressional and Boy bobs have become so popular.

INDI

News of the Week

Condensed

BY DIELECTRIC

Station WTAM, Cleveland, had an unusually good dance program to entertain listeners the other night and during the playing of most of the selections one could easily pick out the drums. It may seem strange to mention that, as though something unusual, but just try to hear the drums in most orchestras and see how unlikely you are to hear them. There are receivers which make the French horn resemble a clarinet and mikes to confound harps and pianos, but just listen for the tympani.

That big prize to follow the completion of the serial "A Step On the Stairs," now running in this paper and broadcast from a number of stations, may loom large while you read of it—and should. While the broadcasting station is putting it on the air, however, you can think of the plot only and the WGY, Schenectady, players took every precaution against the possibility of anyone losing interest while they were dramatizing the story. Much credit is due these players.

A very enjoyable mixed program was given through Station WRVA, Richmond, Va., under the title of the Appamattox Review. The male singers appearing in this were all capable individually and collectively and assured a pleasant evening's entertainment. The gentleman announcing that evening respected the wishes of most listeners in, yet his innermost feelings came to the surface each time he announced, for never was announcing done so consistently on a minor key leaving the impression of complete sadness.

The Rainbow orchestra has received little mention here for some time past and the whole blame attaches to my negligence. They can play, as all know who listen, and play with alluring charm. However, listeners feel when they hear a saxophone—the instrument produces varying effects—few could have failed to note the ability of the mighty sax player as he sallied forth in the vanguard of his fellow orchestra men, recently. Under his guidance the instrument fairly spoke, sometimes seductively and again most mournfully, but always unfalteringly. Hail the sax.

Pontiac, Mich., should be a notable habitation by now for the particular reason of its being the home site of Station WJR; what other reasons there may be do not concern us. Jewett Jesters provide an interesting feature for their programs, even if the jesting is often more in the name than performance. The contributions of these entertainers, when I listened to them, were of the oft-repeated variety in most part and yet you were carried along with the spirit in which they were rendered.

Another Radio jaunt to the home studio of Lambdin Kay found that urbane gentleman as insistent upon quoting at length from "long distance telegraphic requests" as of yore, so "Dubbuye—S—B, THE Atlanta Junnel," etc., finds me willing to subside on the subject. Attention is to be called though to the Meyers orchestra, which does its best to please all in the Radio audience and succeeds admirably.

During the appearance of L. F. Smythe at the console of the organ utilized to bring pleasure to WHO's listeners, we were impressed with the choice of selections favoring an exposition of the majesty of that instrument. This feature from the state of Iowa, is one surely capable of bringing pleasurable response from all interested in organ recitals. The announcing was very precise and left none in doubt of the identity of the broadcasting station. We'll have them all in line.

Construction of B Current Power Supplies

Part IV—Jefferson-Raytheon Type

By George Walters

JEFFERSON-RAYTHEON B POWER SUPPLY
List of Parts

1 Jefferson B Unit, No. 357	Jefferson Electric Mfg. Co., Chicago	$15.00
1 Tobe B Block, small size	Tobe Deutschmann Co., Boston	9:50
3 Tobe Filter Condensers, 1 mfd.	Tobe Deutschmann Co., Boston	3.75
2 Bradleyohms, No. 10	Allen-Bradley Co., Milwaukee	4.00
1 Bradleyohm, No. 5	Allen-Bradley Co., Milwaukee	2.00
1 Formica Panel, 6"x 7"	Formica Insulation Co., Cincinnati	.90
1 Raytheon Tube	Raytheon Mfg. Co., Cambridge, Mass.	6.00
1 Wooden Baseboard, 6½"x 12"		.40
Miscellaneous, such as brackets, wire, screws, etc.		.60
Total cost		$42.15

SINCE the first three B power units were described in the issues of January 30, February 6 and February 13 there have been numerous changes in the apparatus available on the market for the construction of such equipment, and requests came in for a B unit that would provide a 67-volt tap. Accordingly, the writer has utilized this new apparatus and designed a more complete power supply that would give all the voltages anyone could ask.

Jefferson Electric company has combined some of the essential parts into one case and a unit which they call number 357. This includes the necessary step up transformer with split secondary, the protective condensers across that secondary, two large choke coils and a socket for a Raytheon tube. This saves the home constructor much worry in the placing of the parts and much work in the wiring of those parts. As the unit is sold it carries four binding posts on one side for connection to the filter condensers and two on the other side for a negative B and plus 135 B connections. A single post is provided on the case to which the cores of the transformer and chokes are connected. Number 357 is a worthy addition to the Jefferson line and is compactness itself.

Tobe Deutschmann, at Boston, decided that the various small condensers which he makes, that are essential to the construction of Raytheon B units, might well be combined into one case. This works out well since one side of all the condensers goes to negative B and this group connection can be done right in the combination unit. Two such combinations are available, of which the smaller is used here. The larger includes an 8 mfd., two 2 mfd. and two 1 mfd. condensers while the smaller comprises the 8 mfd. and the two 2 mfd. capacities. Since the Jefferson unit requires that the three larger condensers be on one side and the smaller ones on the other, the writer decided to use the smaller of the Tobe combinations and three individual 1 mfd. capacities.

Allen-Bradley have only recently come out with another Bradleyohm, known as number 5, which is well suited to reducing a voltage of 135 down to 90. The number 10 is still to be preferred for bringing down 135 volts to either 67 or 45 volts. The Bradleyohms, it might be stated for the uninitiated, are similar in construction to the better-known Bradleystats and Bradleyleaks, but cover different ranges of resistance values. Number 10, for example, can be varied between 10,000 and 100,000 ohms while there are others ranging from 25,000 to 250,000 and 50,000 to 500,000 ohms. In this B power supply, we use one of the number 5 units and two of the number 10.

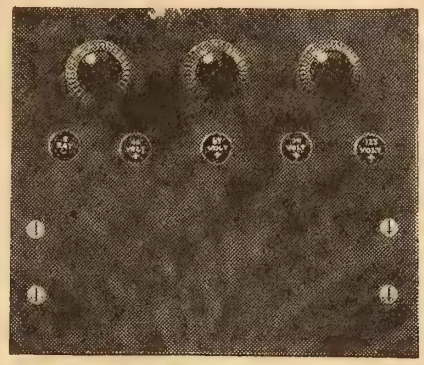


Figure 1

The front view is shown here as figure 1, the top view is figure 2, while the wiring diagram is figure 3. In this wiring diagram, the inside assembly and wiring of the Jefferson combination is shown, but only those wires which connect to this unit from other apparatus must be put in; those shown inside the case are put there by the manufacturer. The front panel can be a piece of scrap Bakelite you may have lying around to measure 6 inches high by 7 inches wide. The baseboard measures 6½ inches wide and 12 inches deep.

Drilling Front Panel

The mounting holes for the Bradleyohms are located as follows: They are all placed on a line 1¼ inches down from the top; a number 10 is placed 1½ inches in from the left edge, another number 10 is centered and the number 5 is 1½ inches in from the right edge. The five binding posts are placed on a line 2½ inches down from the top. The negative B is ⅞ inch in from left edge, plus 45 is 1¼ inches to the right of it, plus 67 is centered, plus 135 is ⅞ inch in from right edge and plus 90 is 1¼ inches to left of 135. Any brackets may be used, those shown being picked up for 10 cents each at a small Chicago Radio store. Whatever make or type you use be sure they are strong and substantial as the baseboard apparatus is quite heavy and someone may try to pick up your completed B supply by the front panel.

Before placing the three 1 mfd. Tobe

(Continued on page 20)

Year after Year leading builders of fine sets use more Thordarsons than all competitive makes of transformers combined —proof they are best!

ALSO— Choice of MacMillan Arctic Expedition

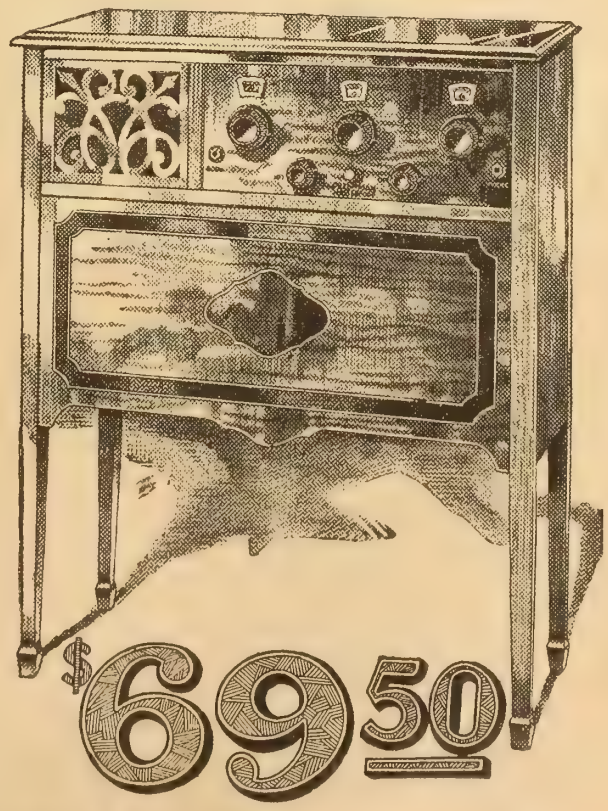
THORDARSON ELECTRIC MFG. CO., CHICAGO

Here Is FRESHMAN'S Greatest Accomplishment— This BEAUTIFUL CONSOLE

This Wonder Set which is spreading entertainment, education and contentment in hundreds of thousands of homes in all parts of the world now has many additional points of superiority.

New and Improved FRESHMAN MASTERPIECE MODEL 6-F-3

A handsome piece of furniture made of carefully selected genuine five-ply mahogany. A radio receiver with the finest of built-in loud speakers, in a console model which provides ample room for all batteries, chargers, eliminators and everything else that could possibly be used in connection with a radio set. Not a single wire visible to mar the appearance of the room.



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JEFFERSON-RAYTHEON

(Continued from page 19)

condensers on the baseboard, they should be soldered together, which not only holds the upper two in place but electrically connects the three cases. The bottom one is placed flat, face up, that is with the mounting lugs flat on the table. The other two are placed squarely on top of it. Now considering the pile with the mounting lugs to the right, (as they are placed in the unit) the rear mounting lug on the middle one and the top one is bent downward against the end of the condenser below. Each bent lug and the surface of the condenser below, against which it rests, is scraped bright and solder applied. You then have a pile of three with their connecting lugs all at the left and forming two vertical rows. The bottom one is then secured in place by screws put into the baseboard.

The Tobe combination is placed close to the rear edge with that side which carries the three connecting lugs to the rear and the common negative connection to the front. Jefferson unit number 357 is slightly forward of it with the four binding posts to the rear and the two binding posts in front. Between its two forward legs are the three 1 mfd. condensers. The twisted cord from the Jefferson unit can come out between that unit and the Tobe unit, to either the right or left, it makes no difference.

Wiring is begun at the rear with that which connects the common negative of the Tobe unit with the negative post at the rear of the Jefferson unit (that at the left). Three wires are next put in, as shown in the photograph, connecting the three Tobe terminals, 2, 2 and 8 with C1, C2 and +B. Those four wires complete the filter connections which is certainly simple enough. We now go to the front connecting lug at the left end of the bottom 1 mfd. condenser. A wire is put in passing up to the second binding post from the left on the front panel and to the bottom terminal of number 10 Bradleyohm at the left.

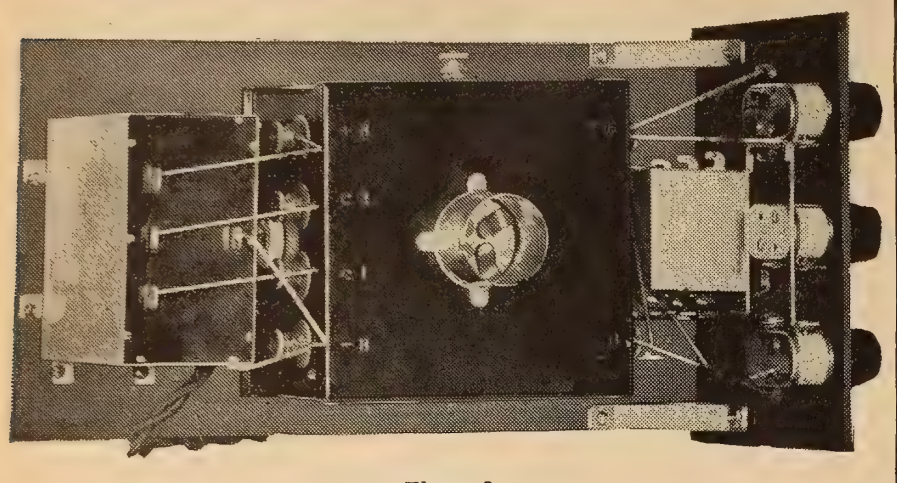


Figure 2

Next connect the front terminal of the middle condenser to the center binding post on the front panel and to the bottom terminal of the center Bradleyohm. A wire is then put in connecting the front terminal of the top 1 mfd. condenser to the fourth binding post from the left and to the bottom terminal of the number 5 Bradleyohm which is at the right. Now connect the negative B binding post on the front of the Jefferson unit to the left binding post on front panel. From this wire, another goes to the right about an inch, and down to the rear connecting lug on each of the three 1 mfd. condensers.

Over on the right side of the assembly connect the other binding post on the front of the Jefferson unit to the last binding post to right on the front panel. From it run another wire up to the top terminal of the number 5 Bradleyohm and continue this to the left to the top terminal on each of the other Bradleyohms. This completes the wiring with the exception of grounding the cases of the condensers. This grounding is accomplished with two wires. A short wire is put in from the upper front corner of the left side of the Tobe unit, forward to the left binding post of the row of four at the rear of the Jefferson unit. Another wire is bent to go from that soldering which holds the top 1 mfd. condenser to the middle one, over to the left to the negative B terminal on the front of the Jefferson unit.

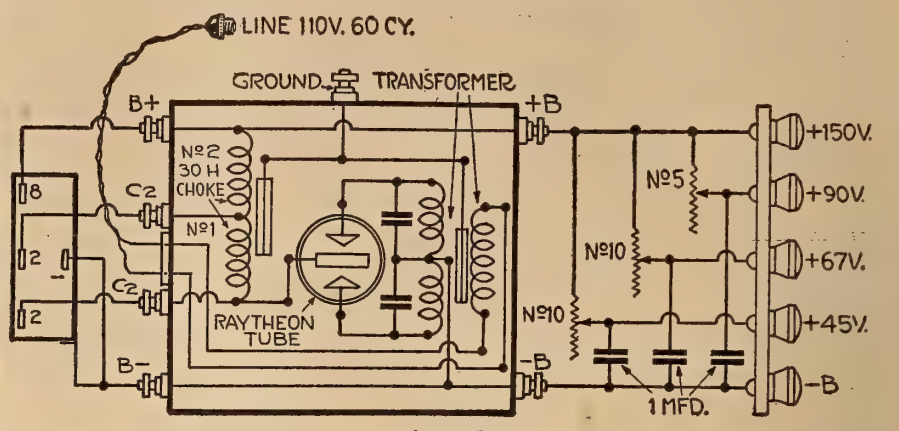


Figure 3

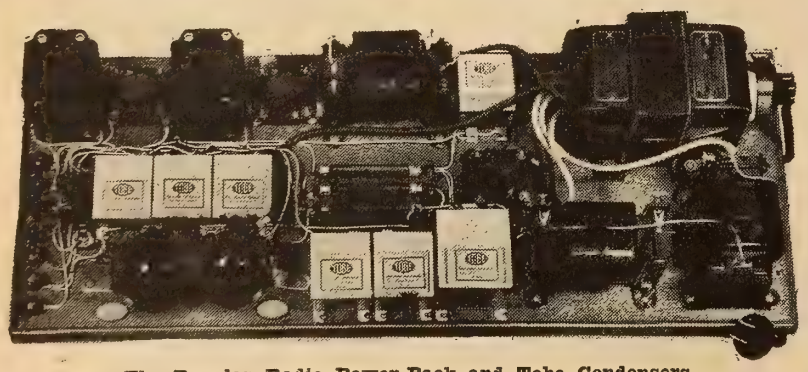
Final Grounding

The connection to the binding post on the right side of the case of the Jefferson assembly is a matter of choice and location. It will be found in some installations that connecting this post to the negative B wiring will prevent hum, while in other cases it may be necessary to connect this to the ground used for the receiver. It all depends on the connections within the set. Try these connections in the order given and one or the other will remove the last trace of hum. This B power supply will furnish 60 milliamperes at 150 volts, which is plenty for any set on the market or yet described in any Radio publication. This 60 Milliamperes can be drawn from the four B plus terminals about as desired, but in most cases it will be found that the 67- and 90-volt posts draw the most current since radio frequency, intermediate and audio amplifiers are usually connected to them. As a rule not more than one power tube is connected to the 135-volt post, although, in the case of three stages of resistance coupling, all three tubes can draw from this terminal. Resistance coupled amplifiers do not draw much current anyway so it works out alright.

(Radio Digest has now presented four B supplies, of three different types and suited to all of the various uses which the Radio sets now in use seem to require. At present no further B power supplies are contemplated but, should the situation change so that further variations are desirable, they will be shown in the earliest possible issue.—Editor's Note.)

An unexpected result was obtained recently when, in order to test the popularity of dance music, listeners who were dancing at one a. m., were asked to notify the B.B.C. Only forty replies were received, and some of these were from the Continent. Dance programs are accordingly being modified to commence at 8 p. m., and cease at 12 midnight.

"The Better Condensers"



The Popular Radio Power-Pack and Tobe Condensers

THE latest Popular Radio Power-Pack Amplifier, using Amertran Transformers and Amerchokes, like that described in Popular Radio for April, 1926. But this has one more stage of audio, for attachment directly to the detector jack of any set. It will give perfect quality with great volume, and in addition, supply B current to the entire set, without batteries.

TOBE CONDENSERS are used throughout,—and permanent satisfaction and quality are thereby assured. Condenser cost is reasonable.

6 TOBE Type 709, 2 Mfd., at $1.75.....$10.50
1 TOBE Type 711, 4 Mfd., at $3.75.....$ 3.75

Total Condenser Cost.....$14.25

Write us today for free drawings of this Power-Pack Amplifier.

The new Jefferson Raytheon B-Eliminator described in this issue of Radio Digest uses the TOBE B BLOCK,—a filter condenser unit that saves money, space and wiring, and which adds to the appearance of any plate supply unit. Look for the trade mark.

TOBE

Tobe Deutschmann Co.
CORNHILL BOSTON, MASS.

A&B Battery Charger ONLY $2

SATISFACTION GUARANTEED

This wonderful charger—the sensation of the entire radio industry—charges any type of storage A or B battery, using only a few cents worth of ordinary house current. Works perfectly on either alternating or direct current.

Cannot possibly injure your battery, and will last for years. Many radio fans find it a tremendous success as a trickle charger. Complete and simple directions enclosed with every charger, so that anyone can operate it. There are absolutely no expensive "extras" to buy.

Why pay $10.00 to $18.00 for a charger when you can get this splendid GUARANTEED R. B. Charger by simply signing the coupon below and mailing it to us with two dollars (bills, money order, check or stamps) plus 10c in stamps or coin to pay mailing costs. The charger will be sent postpaid. If, for any reason, you should not be perfectly satisfied, return the charger within five days and we will refund your money.

Mail the coupon at once—TODAY

PROOF

"The R. B. Charger works better than one I paid $16.50 for."—W. McKinley, Louisville.

"I threw away the old costly dry cells. Nothing but storage batteries and an R. B. Charger for me."—Alfred Rosenstein, New York.

"Only wish I had bought an R. B. Charger a year ago."—Robert Merton, St. Louis.

"Don't see how it's possible for you to put out such a wonderfully effective charger for only $2.00. Send me two more for friends."—Henry Benjamin, Cincinnati.

R. B. SPECIALTY CO.
Dept. 341
308 East Third Street, Cincinnati, Ohio

R. B. SPECIALTY CO.,
Dept. 341, 308 East Third Street
Cincinnati, Ohio

Gentlemen:

Enclosed is two dollars, plus 10c for postage. Send me one R. B. Charger with full instructions. It is understood that if I am not satisfied with the charger, I may return it within five days and you will refund my money.

Name .....

Street and No. .....

Town ..... State.....

How to Stop Blooping and Man-Made Static

Part VIII—Is It in Set or Outside?

By The Technical Staff

CLOSE TO the end of the last article several tests were mentioned which the set owner could either make for himself or have done by the Radio dealer from whom he was purchasing equipment. The locating of trouble by means of these tests is not particularly difficult as can be seen by study of the following paragraphs.

First test: To determine if the noise in the receiver is due to a fault in your receiver or is actually interference coming in from the air. Disconnect your aerial and ground wires. If there is no reduction in the intensity of the noise, while the broadcast music is stopped by the disconnection, the probability is that the source of the noise is in your own receiving set, in the form of a loose connection, faulty batteries, or defective tubes.

If the disturbing noises are considerably reduced in intensity, or cease altogether, you may be reasonably sure that these noises are due to external causes. Their source may possibly be in your own home—electric motors or electric heating or cooking appliances. Again, these noises may be caused by more distant electrical disturbances of many sorts, or heterodyne whistles from broadcasting stations or receiving sets. Just before disconnecting the antenna you must note very carefully the character of these noises, otherwise you may confuse them with noises originating in the receiving circuit which are caused by its being thrown into an unstable condition by the removal of the antenna lead-in. With some receiving sets, a readjustment to a condition of less sensitivity may be necessary before the antenna is disconnected.

Assuming that the disturbing noises are now shown to come from the receiving circuit, how can one tell that they are not caused by some defect in the antenna or in the ground connection? An examination of the antenna is, for evident reasons, not very convenient and many listeners prefer to leave this to a Radio service man. This action need be taken only after tests upon the receiving set itself fail to indicate the difficulty. If the antenna has been carefully installed it is not likely to give trouble. It is a simple matter to examine the ground wire and determine if it is intact. This should be done while the set is tuned to a local station, and particular attention should be given to the point of contact of the ground wire with the water or steam pipe. In the event of an insecure contact, a grating sound will be produced in the phones or speaker when the wire is shaken near this point of contact.

Most antennas are equipped with a lighting circuit: From cases of intersource of difficulty. While the receiving set is adjusted as for normal operation, the wire leading from the lightning arrestor to ground should be disconnected. If this causes a noise in the speaker it indicates a defective arrestor.

Outside Disturbances

Second test: To determine whether the interference originates in your own house lighting circuit. From cases of interference investigated, it has been found that a great number of these are of a purely local nature, originating in such sources as a lamp loose in its socket, or a loose plug of a heater, or from faulty household apparatus. While the interference is continuous, have someone open the main house-lighting switch for a few seconds, at the same time listening in on the receiver. If the interference stops when the switch is open, the source of the interference is probably in your own circuit. This test should be repeated several times, however, as there may have been a misleading coincidence with something occurring outside at the instant this switch was opened the first time. Many sources of interference do not start again immediately as the switch is closed, so that observations taken at the instant of opening the switch are more reliable than those taken at the instant of closing it.

Extent of Area Affected

Third test: To determine the extent of the area affected by this interference. When you are sure that the interference comes in on the air and does not originate in your own set or in your own house-lighting circuit, you should communicate with others in your district who have Radio receivers. Great care should be taken in making this test to avoid the danger of confusing the interference which originates from different sources, which may appear similar in the receiver.

The most satisfactory way of making this test is for one observer to listen to the interference received on two Radio receivers at different points at the same time by means of a telephone system. To carry out this test, an assistant at the distant Radio receiver should place his head phone (or preferably his loud speaker) near the transmitter of the telephone in order that the observer at the other receiver may listen at the same time to the interference heard on his own receiver at his right ear, while listening to the interference heard at the distant Radio receiver by means of the telephone, at his left ear. This test should be continued for a sufficient length of time to observe a number of variations in the nature of the interference.

In cases where it is not convenient to use the telephone system for this test, the two observers at distant Radio receivers may keep an accurate log of the interference, but in this case they should first synchronize their watches and record any characteristic change in the interference heard, noting the time accurately to within a few seconds.

Fourth test: To determine if any suspected source actually causes Radio in-

(Continued on page 22)

Revolutionizing because of the application of new and fundamentally sound principles to the rectifier.

B-eliminators or parts, specially designed for use with RAYTHEON tubes are made by these and other well-known manufacturers, and are now on sale at your dealer's, Price $6.00:

Acme Apparatus Co.
All-American Radio Corp.
Dongan Electric Mfg. Co.
General Radio Co.
Jefferson Electric Mfg. Co.
Mayolian Radio Corp.
Modern Electric Mfg. Co.
Thordarson Electric Mfg. Co.
Tobe Deutschmann Co.
Webster Co.

RAYTHEON

Raytheon Manufacturing Co.
CAMBRIDGE, MASS.

Build Your Own "B" Eliminator!

RADIO DIGEST shows you, in this week's issue, how to build your own "B" battery eliminator. It's easy to do, will save you money, and will insure better operation from your radio.

For Raytheon and Filament Tubes

Better reception can be enjoyed with higher and constant voltage. A "B" Eliminator insures higher voltage constantly. The current consumption is negligible. The eliminator will take care of from two to ten tubes. For best results in your eliminator, be sure you use the Jefferson 355 Transformer and Jefferson 356 Chokes. No noise, no hum, no distortion with this efficient "B" eliminator. Their cost is no greater, yet they embody distinct advantages. The Jefferson 355 Transformer can be used both for Raytheon Tubes and filament tubes—a unique feature.

Jefferson Essential Units for "B" Battery Eliminators are sold through dealers. If your dealer does not have them in stock, write us and we will see that you are supplied. The Jefferson 355 Transformer sells for $7 (only one is needed); Jefferson 356 Chokes sell for $4 each (two are required).

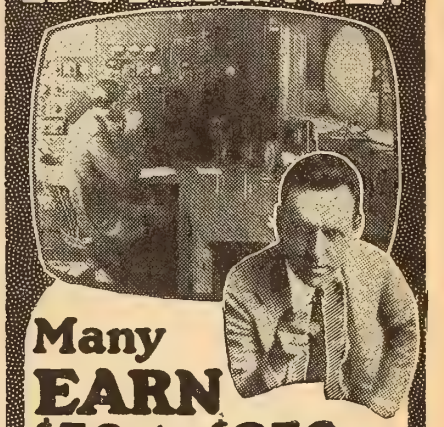
Jefferson Electric Manufacturing Co.

506 So. Green St., Chicago, Ill.

Specialists in Electrical Precision Equipment

JEFFERSON
ESSENTIAL UNITS

Here's Work That is Almost ROMANCE!



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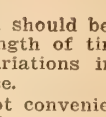
Get into the great new BIG-Pay Industry — Radio. If you're earning a penny less than $50 a week, **clip coupon now.** Send for AMAZING FREE BOOK. Be a Radio Expert, and draw down big money for the easiest and most fascinating work in the world. Positions everywhere. Need for Radio Experts in every community. Short hours. BIG PAY. **Free book gives all facts.**

LEARN QUICKLY AND EASILY AT HOME

Master Radio Engineers will show you how to qualify, quickly and easily at home, for Radio's fine jobs. We **guarantee** to train you successfully. Every day N. R. I.-trained men are taking good places in the Radio field. Thousands of openings now awaiting the trained man. FREE EMPLOYMENT SERVICE. Many other big features. Get the facts—CLIP COUPON.

"My charges for consultation $2.50 per hour. All success due to you," R. W. Blackhill, Brooklyn.



"Radio a gold mine--your course worth thousands." A. R. Herke, Winnipeg.

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You get all these sets

Receiving sets, from simplest kind to thousand mile receiver, included to help you learn. AN UNEQUALLED OFFER. Other special features for limited time only, so ACT QUICK!

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Without obligating me in any way, please send me your free book "Rich Rewards in Radio," also complete information on your practical, home-study Radio course.

Name..... Age.....

Address .....

Town ..... State.....

The Reader's View

You Gotta Know How

Why pick on the single circuit?

In looking through the issue of February 6, I noticed a letter from R. McB. M. of Mansfield, Ohio. Apparently he doesn't like the so-called "single circuit."

There is always a limit to everything. Anybody knows that a single circuit will cause no more interference than some of the other sets, especially the super-het, if it is rightly operated. Of course, some of these respectful people haven't the brains to operate such a set. I would be very glad to teach such people how to operate such a set.

But why make such a fuss over a little thing like this when there is so much good entertainment on this free air of ours?—N. A. F., Cedar Rapids, Iowa.

Another 10-Watt Getter

In Feb. 20 issue of Radio Digest I see that J.M.H., Lake Charles, La., thinks it quite a feat to pick up 10-watt stations on a broadcast receiver and would like to know how it is done. If C.E.J. of Boston does not satisfy him, I will be glad to if he will write to me. I have had WOWL on a loud speaker using three 199 tubes and at a time when the air was full of stations on nearly same wave length. WOWL is located at New Orleans so he should know if this is good reception or not. WOWL says it is.—H.W.H., Vandalia, Mo.

A Friend to Sopranos

Have just read the letter in "The Reader's View" signed C. A., Columbus, Ohio, and, having held the same opinion until the advent of resistance coupled audio, would like to suggest that before condemning the "Old Hen Soprano" we try this type of audio in connection with the W. E. cone speaker.

Have just listened to a soprano solo from WCBD and it was fine.—T.L., Okmulgee, Okla.

HELP STOP BLOOPING

(Continued from page 21)

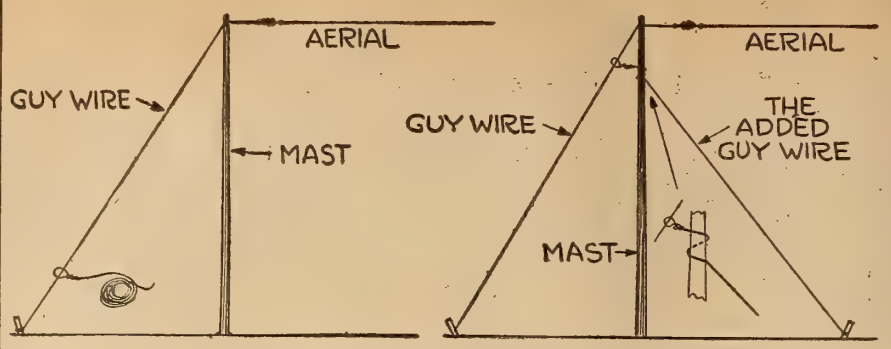
terference. In carrying out this test, either of the systems referred to in test number three is suitable. Great accuracy is required in these tests, for it has been found that many misleading reports have been received from observers who were not sufficiently accurate in their observations. For instance, interference has been reported to be associated with the switching on of the street lights in cases where the interference actually was produced by another circuit which was switched on every evening about dusk. If the observers in this case had noted time very accurately, the source of the interference could have been located much more readily.

Fifth test: To determine from where the interference radiates by means of a portable Radio receiver. In cases where a portable receiver is available the source of interference may be very often traced by this means. Some of the apparatus used by power companies and Radio clubs to locate interference from motors and dynamos, from street lighting circuits and house lighting wires, from telephone systems and high tension circuits, will be presented for duplication by those requiring such equipment. Each listener has the job of seeing that his own set and the electrical equipment in his house are not causing interference to his neighbors. You should also assume some responsibility in the direction of locating troubles outside your house and reporting these troubles. If every listener would do this consistently and conscientiously, it can most definitely be said that the interference in broadcast reception, aside from natural static, would promptly be reduced to an unnoticeable amount.

The staff wishes, at this point, to give credit for much of the information contained in this chapter to E. P. Peck of the Utica Gas and Electric company and M. B. Strock of the bureau of standards. All of the tests suggested have been carefully tried out both for ease of accomplishment by the unskilled and for value in eliminating trouble.

(Next week the series reaches the construction of trouble shooting apparatus and complete data and operating instructions will be included.—Editor's Note.)

TRICK FOR ATTACHING REPAIR GUY



When I erected my aerial mast I put only two guy wires on it. The other night a strong wind came up and blew the mast down. As I was in a hurry to get the mast up again, I neglected to put more guy wires on it. Because it was too much trouble to take the mast down again, I took some wire, looped and twisted one end around one of the guy wires, as shown in the diagram. Then I held the other end of the wire and walked along toward the post. The loop of wire slid up the slanting guy wire to the top. I then walked around the post once and tied the wire where I wanted it. The wire is then to be fastened to the post, making a third good guy wire.—Buell Beadle, Hartford, Kansas.

CLASSIFIED ADVERTISEMENTS

Classified advertisements in Radio Digest produce results. Have you a receiving set to sell? Do you want to buy a Radio? A classified advertisement in this column will sell your set.

Rates are twenty cents a word for each insertion, five per cent discount for four insertions, ten per cent for thirteen insertions, fifteen per cent for twenty-six insertions, twenty per cent for fifty-two insertions. Name and address to be included at above rate. Cash should accompany order. Minimum of ten words.

Objectionable and misleading advertisements not accepted. Forms close three weeks prior to date of publication, which is Saturday.

BLUE PRINTS

Super-Het, Ryan's Simplest Possible 7-Tube Set. Complete instructions, actual size template. How to make a loop. All for 50 cents. Book Dept., Radio Digest, 510 North Dearborn Street, Chicago.

MISCELLANEOUS

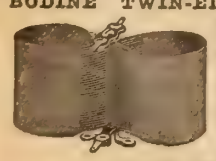
Photos of Your Favorite Radio Stars. Ten cents and coupon appearing on another page of this issue will entitle you to one of the photos from Radio Digest gallery of stars. Radio Digest, 510 North Dearborn Street, Chicago.

PATENT ATTORNEYS

PATENT ATTORNEYS

PATENTS. Booklet free. Highest references. Best results. WATSON E. COLEMAN, Patent Lawyer, 644 G Street, Washington, D. C.

BODINE TWIN-EIGHT R.F. COIL



A remarkable new radio frequency transformer that combines a very limited magnetic field with tremendous amplification. Very sharp tuning. For real satisfaction use TWIN-EIGHTS.

Price $3.00 each, $9.00 per set of 3 matched coils. At your dealer or sent postpaid upon receipt of check or money order. Wiring diagrams free.

BODINE FOLDING LOOP AERIAL

Wonderfully efficient. Large enough to give good signal pick-up, but folds to fit in small box. Beautifully finished in mahogany and satin silver. The best loop at any price. Standard loop $8.50. Equipped with 5 point tap switch $10.00. Write for folder.

BODINE ELECTRIC CO.
2260 W. Ohio St., Chicago, Ill.

RADIO TUBE RENEWER FOR USE ON FARMS OR IN CITIES
OPERATES ON THE BATTERIES OF THE RADIO SET
$1.50
SEND NO MONEY PAY POSTMAN ON DELIVERY
NO CITY LIGHTING CURRENT REQUIRED
RESULTS EQUAL ANY REJUVENATOR REGARDLESS OF PRICE
RUN DOWN TUBES MADE GOOD AS NEW
NO LIFE LASTS FOR YEARS SAVES MANY TIMES ITS COST
SATISFACTION GUARANTEED OR YOUR MONEY BACK
IN ORDERING STATE TYPE OF TUBES USED
Sentinel Tube Protector Company
MARQUETTE, MICHIGAN
DEALERS WRITE FOR DISCOUNTS

The wonderful SUPERFLEX radio

NEW CIRCUIT—ONE DIAL (one condenser—pat. pndg.) Not reflex. Volume, Clarity, Distance, Selectivity.

Sample to Rated DEALERS. TEST ONE.

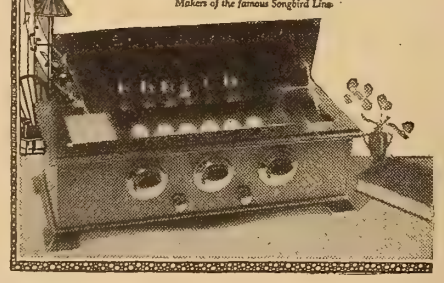
RADIO PRODUCTS CORPORATION, (Inc.)
3816 N. 28th St. Birmingham, Alabama

Nightingale

6-tube Set with Integral Loud Speaker $75

A wonderful, sharp tuning set of beautiful tone, made complete in our own factory. Five tube assembly suffices for most stations, but volume can be tripled by using 6 tube terminal. No wasteful neutralizing condensers but perfect balance of parts. *See Nightingale dealer or write to*

THE GUTHRIE CO., GRAFTON, OHIO
Makers of the famous Songbird Line



22½ Volt un-acid everlasting rechargeable **"B"** STORAGE BATTERY **$2.95** Includes Chemical

45 volts, $5.25; 90 volts, $10.00; 112½ volts, $12.50; 135 volts, $14.75; 157½ volts, $16.80. Truly the biggest buy today. Easily charged on any current including 32-volt systems. Any special detector plate voltage had. Tested and approved by leading authorities such as Popular Radio laboratories. Over 3 years sold on a non-red tape 30-day trial offer with complete refund if not thoroughly satisfied. Further guaranteed 2 years. Knock-down kits at great savings. Complete "Hawley" "B" battery charger, $2.75. Sample cell, 35c. Order direct—send no money—simply pay the expressman cost on delivery. Or write for my free literature, testimonials and guarantee. Same Day shipments. B. Hawley Smith, 817 Washington Ave., Danbury, Conn.

The new Crosley 4-tube 4-29 delivers an extraordinary performance because it has the Crescendon volume control which is equivalent to one or more additional tubes of tuned radio frequency amplification . . . $29 without accessories.

Prices slightly higher west of Rockies

THE CROSLEY RADIO CORPORATION, Cincinnati, Ohio

CROSLEY·RADIO

BETTER · COSTS LESS

A "RADEX" Tuning Chart

Shows by dial numbers, wave length to which set is tuned. Tells where to place dials for any station. Identifies programs received without announcement.

Adapted to any set

Send **25c** Coin or Stamps

RADEX, Box 143-S, CLEVELAND, O.

FOR CLEAR, QUIET "B" POWER

RADIO Storage "B" Battery

12 Cells 24 Volts *Lasts Indefinitely—Pays for Itself*

Economy and performance unheard of before. Recharged at a negligible cost. Delivers unfailing power that is clear, pure and **quiet.** Approved and listed as Standard by leading Radio Authorities, including Pop. Radio Laboratories, Pop. Sci. Inst. Standards, Radio News Lab., Lefax, Inc., and other important institutions. Equipped with *Solid Rubber Case,* an insurance against acid and leakage. **Extra** heavy glass jars. **Heavy** rugged plates. Order yours today!

SEND NO MONEY Just state number of batteries wanted and we will ship day order is received. **Extra offer:** 4 batteries in series (96 volts), $10.50. Pay expressman after examining batteries. 5 per cent discount for cash with order. Mail your order **now!**

WORLD BATTERY COMPANY
1219 So. Wabash Ave., Dept. 76 Chicago, Ill.

Makers of the Famous World Radio "A" Storage Battery
Prices: 6-volt, 100 Amp. $11.25; 150 Amp. $13.25; 140 Amp. $14.00.
All equipped with Solid Rubber Case.

World STORAGE BATTERIES

Set your Radio Dials at 210 meters for the new 1000 watt World Storage Battery Station, WSBC, Chicago. Watch for announcements.

KDKA · WEAF · WGN · WJS · KHJ · KGO · KFAF · WJY · KOP

21 E. L. TYSON OF WWJ
Size 11x14 inches

Photogravures of Your Favorite Artists

GALLERY OF RADIO STARS

By special arrangement, Radio Digest is able to offer its readers a great opportunity to secure fine photogravures of their favorite Radio stars at practically no cost. Below is only a partial list of the photogravures now included in the Gallery of Radio stars. Complete list in March 20 issue.

6 George Hay, 1924 Gold Cup announcer
7 Harmony Girls, Edith Carpenter, Grace Ingram
8 Ford and Glen, Lullaby Boys of WLS
9 "Roxy" Rothafel of WEAF chain fame
10 The Hired Hand, famous "Substitute Announcer" of WBAP
12 Bob Emery, Big Brother of WEEI
13 "Bill" W. G. Hay, ex-KFKX, now of WLIB
14 Happiness Boys, jovial singers of WEAF
15 Lambdin Kay, "Little Colonel" of WSB

COUPON NO. 15

This coupon entitles the holder to one photogravure selected from the Radio Digest Gallery of Radio Stars when accompanied by ten cents to pay the cost of mailing and postage. Three consecutively numbered coupons entitle the holder to three photogravures when accompanied by 25 cents. Remittance must accompany the coupon. Cash at your risk. Add 5 cents to personal checks for exchange.

Order by Number.....

RADIO DIGEST PUBLISHING CO.
510 N. Dearborn St. Chicago, Ill.

Radiophone Broadcasting Stations

Corrected Every Week—Part III

FIND MISTAKES AND YOU'LL GET DOLLAR

ONE DOLLAR will be paid to the Radio fan reader of Radio Digest submitting the most errors in any one station's listing in the Directory of Radiophone Stations, which appears in six parts, serially continuously on the next to last page. Letters must reach Radio Digest's office not later than one week from date of issue corrected. Readers are not limited to correcting one station, but such corrections must be verified by the stations themselves, and NOT by comparison to other so-called accurate Radio directories or lists. Verifications must accompany corrections. Turn in corrections for as many stations as you can find—if you can find errors! Use separate sheet of paper for each station submitted and place name and address on each sheet. In case of tie, duplicate awards will be made.

United States (Cont'd)

NOTE.—The third part of the schedule list appears below. The fourth part which consists of the remainder of the list will appear next week.

WDRC, New Haven, Conn. 267.7m-1120kc. 100 watts. Doolittle Radio Corp. Mon, Wed, Fri, 6:45-7:15 pm, news. Mon, 8-9:30 pm. Wed, 8-9 pm. Sun, 11 am. Eastern.

WDWF, Providence, R. I. 440.9m-680kc. 500 watts. Dutee W. Flint, Inc. Slogan, "Quality First." Sun, 9:45 am, chimes; 4:45 pm, organ. Eastern.

WDZ, Tuscola, Ill. 277.6m-1080kc. 100 watts. James L. Bush. Daily ex Sun, 9:30 am, 10, 10:30, 11, 11:30, 12 m, 12:30 pm, 1, 1:15, Chicago Board of Trade quotations. Central.

WEAF, New York, N. Y. 491.5m-610kc. 5,000 watts. A. T. & T. Co. Slogan, "The Voice to the Millions." Daily ex Sun, 6:45-8 am. Mon, Wed, Fri, 10:45-12 noon. Tues, Thurs, 11-12 noon. Daily ex Rollins College, Inc. Announcer, Edwin D. McCon-Sun, 4-12 midnight. Sun, 2-5:30 pm, 6-10:15. Eastern.

WEAI, Ithaca, N. Y. 254.1m-1180kc. 500 watts. Cornell University. Irregular.

WEAM, North Plainfield, N. J. 260.7m-1150kc. 250 watts. Borough of North Plainfield. Announcer, H. W. Blackford. Slogan, "America's Pioneer Municipal Broadcasting Station." Fri, 8-12 pm, concert, talks. Sun, 11-12 noon. Eastern.

WEAN, Providence, R. I. 270.1m-1110kc. 500 watts. The Shepard Stores. Announcer, Chester H. Miller. Daily ex Sun, 12-1 pm, 4-5, music, reports, weather, concert; 6:30-10:30. Sun, 10:45-11:30 am, 7:30-8:45 pm, church service. Eastern.

WEAO, Columbus, Ohio. 293.9m-1020kc. 500 watts. Ohio State University. Daily ex Sun, 9:45 am, 11-1 pm, markets, weather; talks to farmers, markets, music; 4, markets. Tues, 7 pm. Wed, 4:10 pm, program for shut-ins; 8, music, lectures. Thurs, 8 pm, lectures, music. Eastern.

WEAR, Cleveland, Ohio. 389.4m-770kc. 750 watts. The Goodyear Tire & Rubber Co. Announcer, H. K. Carpenter. Slogan, "Goodyear Tires WEAR." Daily ex Sun, 11-12:10 pm. Daily ex Sat, Sun, 3:30-4:10 pm, markets, weather. Daily, 7-8 pm. Tues, Thurs, Fri, 8-11 pm. Sun, 3:30-5 pm, 7-10. Eastern.

WEAU, Sioux City, Iowa. 275.1m-1090kc. 100 watts. Davidson Bros. Co. Announcer, W. O. Ducommun. Slogan, "The Heart of the Corn Belt." Daily ex Sun, 9 am, 10, 11, 12 m, 1 pm, 5, markets, weather, sports. Central.

WEBC, Superior, Wis. 241.8m-1240kc. 100 watts. Telegram-Ross Elec. Co. Mon, Fri, 6:15-7 pm, music; 7:10-7:30. Wed, Fri, 10-11 pm, dance music. Sun 10:30 am. 12 noon, 3-4:15 pm. Central.

WEBD, Anderson, Ind. 245.8m-1220kc. 15 watts. Elec. Equip. & Service Co. Announcer, F. R. Fulwider. Tues, Fri, 8:30 pm. Sun, 7:30 pm, service. Central.

WEBE, Cambridge, Ohio. 234.2m-1280kc. 10 watts. Roy W. Walter. Off the air indefinitely.

WEBH, Chicago, Ill. 370.2m-810kc. 2,000 watts. Edgewater Beach Hotel-Herald-Examiner. Announcer, Robert Boniel. Slogan, "The Voice of the Great Lakes." Daily ex Sun, 11:30-12 m, 3-4 pm. 5-5:30. Daily ex Sun, Mon, 7-8 pm, 9-10, 11-12:30. Sat, 1-2 am. Sun, 5-6, twilight musicale; 7-9. Central.

WEBJ, New York, N. Y. 272.6m-1100kc. 500 watts. Third Avenue Railway Co. Announcer, H. A. Bruno. Tues, Fri, 7-9 pm. Wed, 8-10 pm. Eastern.

WEBL, 225.4m-1330kc. 100 watts. Radio Corporation of America. (Portable.)

WEBQ, Harrisburg, Ill. 225.4m-1330kc. 10 watts. Tate Radio Co. Announcer, Joseph R. Tate. Slogan, "Blue Bird Station." Daily ex Sun, 7:15-7:30 pm, news, weather. Sun, 3-4 pm, 7-8. Central.

WEBR, Buffalo, N. Y. 243.8m-1230kc. 50 watts. H. H. Howell. Slogan, "We Extend Buffalo's Regards." Daily ex Sun, 7:45-8:30 pm, bedtime stories. Mon, Wed, Fri, 8:30-11:30 pm. Sat, 9-11 pm. Sun, 10:15 am, service; 12-3 pm, concert; 7:15-9, service; 10-12, concert. Eastern.

WEBW, Beloit, Wis. 268 meters. 500 watts. Beloit College. Announcer, Lee Boynton. Mon, 8-9 pm; Sun, 4:30 pm. Central.

WEBZ, Savannah, Ga. 263m-1140kc. 50 watts. Savannah Radio Corp. Mon, Wed, Fri, 8:30 pm. Eastern.

WEEI, Boston, Mass. 348.6 meters. 500 watts. Edison Elec. Illuminating Co. Announcer, C. R. Emery. Slogan: "The Friendly Voice." Daily ex Sun, 6:45 am., exercises; 7:45, watch. Mon, 4 pm, 5:30, 6:30-10:30, 10:30. Tues, 3 pm, 4, 6:30-10, 10. Wed, 4 pm, 6:30-10, 10. Thurs, 4 pm, 6:30-10:10, 10. Fri. 4 pm, 6:30-10, 10. Sun, 10:05 am, 12:30 pm, 2, 3, 5:30, 7:20 pm, 9:20. Eastern.

WEHS, Evanston, Ill. 202.6m-1480kc. 10 watts. Robert E. Hughes.

WEMC, Berrien Springs, Mich. 285.5m-1050kc. 500 watts. Emanuel Missionary College. Slogan, "The Radio Lighthouse." Mon, Wed, 8:15 pm. Fri, 9 pm. Sun, 11 am, 8:15 pm. Central.

WENR, Chicago, Ill. 265.3m-1130kc. 1,000 watts. All-American Radio Corp. Announcer, Frank Westphal. Daily ex Sun, Mon, 6-7 pm, 8-10. Wed, Fri, Sat, 12-2 am. Sun, 2-4 pm, 9:30-11:30. Central.

WEW, St. Louis, Mo. 247.8m-1210kc. 1,000 watts. St. Louis University. Daily ex Sun, 9 am, 10, 2, 5 pm, reports. Tues, Thurs, 7 pm, lectures, music. Sun, 7:15 pm. Central.

WFAA, Dallas, Tex. 475.9m-630kc. 500 watts. Dallas News and Dallas Journal. Slogan, "Working for All Alike." Daily, 6:30-7:30 am, exercises; 8:30, 9:30, 10:30, 11:30, reports; 12:30, 1:30, 2:30, 3:30, 4:30, reports, news; 5:30, children's hour; 8:30-9:30, concert, weather (silent Wed.). Mon, Tues, Thurs, Fri, Sat, 6:30-7:30 pm, vesper recital, sports. Tues, Thurs, Sat, 11-12 pm, music. Sun, 6-7 pm, Bible class; 7:30, church service; 8:30-9:30, 11-12, music. Central.

WFAM, St. Cloud, Minn. 272.6m-1100kc. 10 watts. St. Cloud Daily Times. Slogan: "Granite City of the World." Announcer, Otto A. Rupp. Daily ex Sun, 4:45 pm, markets. Central.

WFAV, Lincoln, Nebr. 275.1m-1090kc. 500 watts. Univ. of Nebraska. Fri, 12 m. Central.

WFBC, Knoxville, Tenn. 249.9m-1200kc. 50 watts. First Baptist church. Announcer, St. John Reynolds. Sun, 10:45 am; 7:30 pm, services; 4 pm, sacred music. Central.

WFBD, Philadelphia, Pa. 234.2m-1280kc. 5 watts. Gethsemane Baptist church.

WFBE, Seymour, Ind. 225.4m-1330kc. 10 watts. Van de Walle Music and Radio company. Announcer, John Van de Walle.

WFBG, Altoona, Pa. 277.6m-1080kc. 100 watts. The Wm. F. Gable Co. Announcer, Roy F. Thompson. Slogan, "The Original Gateway to the West." Daily ex Sat, Sun, 11:45 am, music; 3:30 pm; 6:30, 8:30, 10:30. Tues, Thurs, Fri, 11:15 pm. Tues, 7:30 pm. Fri, Sat, 9:15 pm. Sun, 10:45 am; 4 pm, 6, 7:30, 9:15, 10:30, 11:15. Eastern.

WFBH, Richmond Hill, N. Y. 272.6m-1100kc. 500 watts. Concourse Radio Corp. Announcer, Alvin E. Haus-r. Slogan, "Voice of Central Park," Daily, 11:30 pm. Mon, Tues, Fri, 2-7 pm. Wed, Thurs, Sat, 2-8 pm. Mon, Sat, 11:30 pm. Sun, 5-8 pm. Eastern.

WFBJ, Collegeville, Minn. 236.1m-1270kc. 100 watts. St. John's university. Announcer, Hilary Doerfler. Slogan, "In the Heart of the Landscape Paradise." Sun, 5-5:45 pm. Central.

WFBL, Syracuse, N. Y. 252m-1190kc. 100 watts. Onondaga Hotel company. Announcer, Ernest E. Chappell. Daily 3-4 pm, 6-8, Tuesday, 9:30-10:30 pm. Thurs, 7:45-10 pm. Fri, 8:15-10 pm. Sat, 11-12:30 am. Sun, 3-4:30 pm, 5-8:30. Eastern.

WFBM, Indianapolis, Ind. 267.7m-1120kc. 250 watts. Merchants Heat and Light company. Announcer, John E. Tribby. Slogan, "The Convention City of America."

WFBR, Baltimore, Md. 254.1m-1180kc. 100 watts. Fifth Infantry, Maryland National Guard. Slogan, "Home of the Star Spangled Banner." Announcer, S. R. Kennard. Daily matinee programs. Tues, Thurs, Sat, evening programs. Sun, afternoon program. Eastern.

WFBZ, Galesburg, Ill. 254.1m-1180kc. 20 watts. Knox college. Announcer, George B. Strain. Slogan, "At Old Siwash." Wed, 8-10 pm. Central.

WFDF, Flint, Mich. 234.2m-1280kc. 100 watts. Frank D. Fallain. Slogan, "The Vehicle City." Mon, Wed, Fri, 8 pm. Eastern.

WFI, Philadelphia, Pa. 394.5m-760kc. 500 watts. Strawbridge & Clothier. Announcer, John Vandersloot. Daily ex Sun, 10:15 am, reports; 10:30, music; 10:40, home service; 1-1:50 pm, orchestra; 1:50, reports; 3-4:30, concert; 6:30-7, orchestra. Tues, Thurs, Sat, 8, concert. Sun, 10:30 am, 4:30 pm, 7:30, church services alternating; 9:15, alternate Sundays. Eastern.

WFKB, Chicago, Ill. 217.3m-1380kc. 500 watts. Francis K. Bridgman. Announcer, Horace Kehm. Daily ex Sun, Mon, 7-10 pm. Central.

WFRL, Brooklyn, N. Y. 205.4m-1460kc. 100 watts. Flatbush Radio Laboratories.

WGAL, Lancaster, Pa. 247.8m-1210kc. 10 watts. Lancaster Elec. Supply & Construction Co. Announcer, Charles W. Teagley. Slogan: "World's Gardens at Lancaster." Tues, Thurs, 8 pm. Sat, 10:30-11:30 pm. Sun, 9-10 pm. Eastern.

WGAM, Camden, N. J. 236.1m-1270kc. 250 watts. Galvin Radio Supply Co.

WGBB, Freeport, N. Y. 243.8m-1230kc. 100 watts. Harry E. Carman. Mon, Wed, Fri, 8-10:30 pm. Sun, 10:40 am, church. Eastern.

WGBC, Memphis, Tenn. 277.6m-1080kc. 10 watts. First Baptist church. Announcer, M. L. Martin. Sun, 9:55 am, 7:30 pm. Central.

WGBF, Evansville, Ind. 236.1m-1270kc. 500 watts. The Finke Furniture Co. Announcer, Harold Finke. Daily ex Sun, 7:15 am. Tues, Thurs, 12:20 pm, frolic. Tues, 7:30 pm. Fri, 12:20 pm, 11-1 am. Central.

WGBI, Scranton, Pa. 239.9m-1250kc. 10 watts. Scranton Broadcasters, Inc.

WGBM, Providence, R. I. 234.2m-1280kc. 10 watts. Theodore N. Saaty.

WGBR, Marshfield, Wis. 228.9m-1310kc. 10 watts. George S. Ives. Sun, 2-4 pm. Central.

WGBS, New York, N. Y. 315.6m-950kc. 500 watts. Gimbel Brothers. Announcer, Floyd Neale. Daily ex Sun, 10-11 am; 1:30-4 pm. Tues, Thurs, Sat, 6 pm. Sun, 3-4 pm, 9:30. Eastern.

WGBU, Fulford By-the-Sea, Fla. 277.6m-1080kc. 500 watts. Fulford By-the-Sea Chamber of Commerce. Announcer, Edward C. J. Sandback. Mon, Wed, Fri, 12-1 pm, 6:30-7:30, 11-2 am. Tues, Thurs, Sat, 12-1 pm; 6:30-7:30; 10-1 am. Sun, 9:30-11:30 pm. Eastern.

WGBX, Orono, Me. 234.2m-1280kc. 100 watts. University of Maine.

WGCP, New York, N. Y. 252m-1190kc. 500 watts. Grand Central Palace. Announcer, Alfred Hall. Slogan, "Four Leaf Clover Station." Daily ex Sun, 3-5:30 pm. Mon, 8:30-10:30 pm. Wed, Fri, 7-8:30 pm. Thurs, 10:30-12 mid. Sat, 8:30-11 pm. Sun, 3-5:30 pm. Eastern.

WGES, Oak Park, Ill. 249.9m-1200kc. 500 watts. Coyne Elec. School. Announcer, John Stamford. Daily ex Sun, Mon, 5-7 pm; 8-9 pm; 11-1 am. Mon, 5-7 pm. Sun, 10:15 am, service; 5-7:40 pm; 11-12. Central.

WGHB, Clearwater, Fla. 265.3m-1130kc. 500 watts. The Chamber of Commerce. Announcer, Walter Tison. Daily ex Sun, 6:30-7:30 pm; 8:30-9:30; 11:45-1 am. Eastern.

WGHP, Detroit, Mich. 270.1m-1110kc. 1,500 watts. George Harrison Phelps, Inc. Announcer, Harry C. Browne. Daily ex Sat, Sun, 6 pm. Eastern.

WGMU, Richmond Hill, N. Y. 236.1m-1270kc. 100 watts. A. H. Grebe & Co., Inc. (Portable).

WGN, Chicago, Ill. 302.8m-990kc. 1000 watts. Chicago Tribune. Announcer, Bill Hay. Daily ex Sun, 9-9:45 am, news; 10-10:45; 11-11:30; 11:57-12:01 pm, time; 12:01-12:30, music; 3:25; 3:30-4:15, tea time music; 4:30-5, organ; 5:30-5:57, Skeezix; 5:57-6:01, time; 6:20-6:30, bonds; 6:30-7, music. Tues, Thurs, Fri, 11:30-11:57 am, household hints. Tues, Thurs, 12:30-12:40 am, farm talk. Tues, Wed, 3-3:25 pm, talks. Daily ex Sun, Mon, 8-11 pm. Sun, 10:45-11:45 am, Uncle Walt; 11:45-1:45 pm, music; 2-5:15, music; 7-10, Sunday evening concert. Central.

WGR, Buffalo, N. Y. 319m-940kc. 750 watts. Federal Radio Corp. Announcer, Kennth Fickett. Slogan, "Key City of Industry." Daily ex Sun, 12 m, reports; 12:45, concert; 2:30; 6:30 pm, music; 7:30, news. Mon, Wed, Fri, 9 pm, concert; 11, weather. Tues, Thurs, 8-11 pm, from New York. Mon, Fri, 11-1 am, concert. Sun, 10:45 am; 7:45 pm, church; 9:15, concert. Eastern.

WGST, Atlanta, Ga. 270.1m-1110kc. 500 watts. Georgia School of Technology. Announcer, J. H. Persons. Slogan, "The Southern Technical School with a National Reputation." Mon, 9 pm, Thurs, 7 pm. Central.

WGWY, Minneapolis, Minn. 263m-1140kc. 500 watts. Twin City Broadcasting station, Inc. Announcer, Dr. George Young. Mon, 6-8 pm, 9-11. Tues, 7-8 pm. Wed, 6-10 pm. Fri, 7-11 pm. Central.

WGY, Schenectady, N. Y. 379.5m-790kc. 5,000 watts. General Electric Company. Announcer, Kolin Hager. Daily ex Sun, 11:55 am, time; 12:30 pm, stocks, markets; 12:45, weather. Daily ex Sun, 12:40 pm, fruit, vegetable reports; 6, stocks; 6:10, markets; 6:15, sports, news. Mon, Tues, Thurs, Fri, 2 pm, woman's hour. Tues, Thurs, 2:30 pm, organ. Mon, Tues, Thurs, 6:30-7 pm, dinner program. Thurs, 11:30 pm, organ. Fri, 7 pm; Wed, 6:30, stories. Fri, 6:30 pm, Sunday school lessen; 10:30, late program. Mon, 7:15 pm, agricultural talk. Wed, Fri, 7 pm, orchestra; 8:05, Rochester program. Sat, 9:30 pm, dance program. Sun, 10:30-12 am, service; 3 pm, Syracuse program; 5 pm, organ; 7, Carillon program; 7:30-8:45 pm, service; 8:45 pm, orchestra from WJZ. Eastern.

WHA, Madison, Wis. 535.4m-560kc. 750 watts. Univ. of Wis. Mon, Fri, 7:45-9 pm. Wed, 9-10 pm. Central.

WHAD, Milwaukee, Wis. 275.1m-1090kc. 500 watts. Marquette University. Milwaukee Journal. Announcer, Ed. Ranft. Daily, 11 am, weather, news; 4-5 pm, news, markets, current topics, music; 6-7, organ, orchestra; financial reports. Mon, 8-10 pm. Tues, 9-9:30 pm, Wed, 10:30-12:30, Fri, 8:30-10 pm. Central.

WHAM, Rochester, N. Y. 277.6m-1080kc. 100 watts. Univ. of Rochester. Rochester Time-Union, Democrat and Chronicle. Daily ex-Sun, 3:30-4 pm, 5-5:45, 7-7:40. Wed, 8-10 pm. Sat, 10-12 mid. Sun, 3:15, Radio Chapel. Eastern.

WHAP, New York, N. Y. 239.9m-1250kc. 500 watts. William H. Taylor Finance Corp. Announcer, Franklin Ford. Slogan, "The Station for Public Service." Mon, Wed, Fri, 6:30-11 pm. Sun, 2:30-4 pm. Eastern.

WHAR, Atlantic, City, N. J. 275.1m-1090kc. 500 watts. Seaside Hotel. Announcer, E. Dennison. Daily ex Sun, 2 pm, 7:30, 8. Tues, Fri, Sun, 11:15 pm, organ. Mon, Thurs, 11:30 pm. Sun, 10:45 am; 2:15 pm, 2:45, 7:50, 9. Eastern.

WHAS, Louisville, Ky. 399.8m-750kc. 500 watts. Courier-Journal and Louisville Times Co. Announcer, D. H. Ives. Daily ex Sun, 1-2 pm, 2:30-3:30, 4-5, 7:30-9. Sun, 9:57-10:45 am,—4:30-5:30 pm, church service. Mon night, silent. Central.

WHAV, Wilmington, Del. 265.3m-1130kc. 100 watts. Wilmington Elec. Spec. Co. Slogan, "The First Broadcasting Station of the First City of the First State." Temporarily discontinued.

WHAZ, Troy, N. Y. 379.5m-790kc. 500 watts. Rensselaer Polytechnic Inst. Announcer, Rutherford Hayner. Slogan, "Transcontinental and International Broadcasting Station Located at the Oldest College of Science and Engineering in America." Club, R. P. I. students. Mon, 9-12 midnight, concert, educational talks, orchestra, features. Second Monday of month, 12-1:30 am. International test program. Eastern.

WHB, Kansas City, Mo. 365.6m-820kc. 500 watts. Sweeney Auto & Electric School. Announcer, John T. Schilling. Slogan, "Heart of America." Daily ex-Sun, 8:25 am, 9:25, 9:30, 9:35, 10:25, 10:30, 10:35, 11:20, 11:30, 11:35, 11:56, 12 noon, market reports. Daily ex-Sun, Sat, 12:15 pm, 12:30, 1:25, 1:40, stocks; 2, musicale; 3-3:05, U. S. W. B.; 3:05, markets; Tues, Thurs, 7-7:45 pm, dinner hour music; 8-10, evening concert. Mon, Wed, Fri, 7-8 pm. Sat, 12:05 pm, 12:30, 1:25, markets. Sun, 9:45-10:45 am, service; 11-12:15 pm; 8-9:15, service; 11:15-1 am, organ. Central.

WHBA, Oil City, Pa. 249.9m-1200kc. 10 watts. Shaffer Music House.

WHBC, Canton, Ohio. 230.6m-1300kc. 20 watts. Rev. E. P. Graham. Mon, Tues, Thurs, 7-12 m. Fri, 6:20-11 pm. Sat, 8-11:30 pm. Sun, 10:30 am; 9 pm. Central.

WHBD, Bellefontaine, Ohio. 222.1m-1350kc. 20 watts. Charles W. Howard.

WHBF, Rock Island, Ill. 222.1m-1350kc. 100 watts. Beardsley Specialty company. Announcer, C. L. Beardsley. Slogan: "Where Historic Blackhawk Fought." Mon, Wed, 7-9 pm, Sat, 2-4 pm, 7-9. Central.

WHBG, Harrisburg, Pa. 230.6m-1300kc. 20 watts. John S. Skane. Tues, Thurs, 9-12 midnight. Fri, 7:45-9:15 pm. Sun, 9:15-11 pm. Eastern.

WHBH, Culver, Ind. 222.1m-1350kc. 100 watts. Culver Military Academy. Announcer, Charles C. Mather. Mon, 8:30 pm, Sat, 7:15 pm. Central.

WHBJ, Ft. Wayne, Ind. 234.2m-1280kc. 50 watts. Lauer Auto company.

WHBL, Chicago, Ill. 215.7m-1390kc. 50 watts. James H. Slusser. (Portable)

WHBM, Chicago, Ill. 215.7m-1390kc. 20 watts. C. L. Carrell. (Portable).

WHBN, St. Petersburg, Fla. 238m-1260kc. 10 watts. First Avenue Methodist church.

WHBP, Johnstown, Pa. 256.3m-1170kc. 100 watts. Johnstown Automobile Co. Announcer, J. C. Tully. Slogan: "The Voice of the Friendly City." Daily ex Sun, 12:30 pm. Sat, 10 pm. Sun, 2:30, pm. Eastern.

WHBQ, Memphis, Tenn. 232.4m-1290kc. 50 watts. Men's Fellowship class. St. John's M. E. church. Announcer, Dr. George L. Powers. Slogan, "We Have Best Quartet." Wed, 8-9 pm, music. Sun, 9:45-10:45 am, 11, 7:45 pm, services. Central.

WHBU, Anderson, Ind. 218.8m-1370kc. 10 watts. Bing's Clothing-Riviera Theater. Announcer, O. B. Robey. Slogan, "The Home of Chief Anderson." Daily ex Sun, 9-9:30 am, 12-12:30 pm. Wed, Fri, Sun, 7-9 pm. Central.

WHBW, Philadelphia, Pa. 215.7m-1390kc. 100 watts. D. R. Kienzle. Mon, Thurs, Sat, evenings.

WHBY, West De Pere, Wis. 249.9m-1200kc. 50 watts. St. Norbert's college.

WHDI, Minneapolis, Minn. 277.6m-1080kc. 500 watts. Wm. Hood Dunwoody Industrial Institute. Announcer, M. R. Bass. Mon, 8-9 pm. Wed, Fri, 9-10 pm. Central.

WHEC, Rochester, N. Y. 258.5m-1160kc. 100 watts. Hickson Electric company, Inc. Announcer, Maurice Clark. Slogan, "With Hickson Elec. Co." Daily ex Sun, 5:30-6 pm, twilight program; 6:30-7 orchestra. Eastern.

WHK, Cleveland, Ohio. 272.6m-1100kc. 1,000 watts. Radio Air Service Corp., Winton Hotel. Slogan, "Cleveland, the Convention City." Daily ex Sun, 6:30-7:30 pm. Thurs, 7:30-9 pm, musicale. Sun, 10:30 am, service; 6:15-7:15, 7:45-8:30, Bible lecture; 8:30-10, music. Eastern.

WHN, New York, N. Y. 360m-833kc. 500 watts. Loew's State Broadcasting Station. Announcer, N. T. Grandlund. Slogan, "The Voice of the Great White Way." Daily ex Sun, 12-1 pm, 2:15-3:15, 3:45-5:30, 6:30-12 midnight. Sun, 3-6 pm, 9:30-12. Eastern.

WHO, Des Moines, Ia. 526m-570kc. 5,000 watts. Bankers Life Co. Announcer, N. Dean Cole. Daily ex Sun, 9:45 am, 12 m, 2 pm, markets, weather. Mon, Tues, Thurs, Fri, 7:30-9 pm. Weds 6:30-7:30 pm, 7:30-9, 9-10, 10-11:30. Fri, 11-12 mid. Mon, Tues, Thurs, 11-12 m. Sun, 11 am, 1 pm, 7:30-8:30, 11-12. Central.

WHT, Chicago, Ill. 238m-1260kc. 399.8m-750kc. 3500 watts. Wrigley Bldg. Announcer, Patrick Henry Barnes. Daily ex Sun, Mon, (399.8), 10-2 pm, 6-7:30, 9:30-1 (238), 7:45-9:15 pm. Mon, (399.8), 11-2 pm, 7-1 am, Sun, 12-11:30 pm, Paul Rader. Central.

WIAD, Philadelphia, Pa. 249.9m-1200kc. 100 watts. Howard R. Miller. Slogan, "The Voice from the Birthplace of Liberty." Tues, Fri, 9 pm. Eastern.

WIAS, Burlington, Ia. 254.1m-1180kc. 100 watts. Home Elec. Co. Announcer, Harry H. Waugh. Mon, Fri, 8 pm. Sun, 10:30 am. Central.

WIBA, Madison, Wis. 236.1m-1270kc. 100 watts. The Capital Times. Announcer, Jesse Cohen. Slogan, "Four Lakes City." Mon, Wed, Fri, 8:45, 10:30 pm. Sat, 10:45-12 m, Cuckoo club. Central.

WIBG, Elkins Park, Pa. 222.1m-1350kc. 50 watts. St. Paul's Protestant Episcopal church. Announcer, Stuart C. Mahaney. One Monday a month Ogontz Forum speaks. Sun, 10:15 am, 3:45 pm. Eastern.

WIBH, New Bedford, Mass. 209.7m-1430kc. 30 watts. Elite Radio Stores. Announcer, J. T. Moriarty. Slogan, "The Voice of New Bedford." Daily ex Sun, 12-1:30 pm. Sun, 1-3 pm. Eastern.

WIBI, Flushing, N. Y. 218.8m-1370kc. 50 watts. Frederick B. Zittell, Jr.

WIBJ, Chicago, Ill. 215-7m-1390kc. 50 watts. C. L. Carrell. (Portable).

WIBM, Chicago, Ill. 215.7m-1390kc. 10 watts. Billy Maine. (Portable).

WIBO, Chicago, Ill. 225.4m-1330kc. 1,000 watts. Nelson Brothers. Announcer, Wayne Myers. Daily ex Sun. 2-4 pm. Daily ex Sun, Mon, 6-8 pm. Tues, Thurs, 12-3 am. Wed, 10-12 midnight. Fri, 10-2 am. Sun, 10:15 am, service; 2-4 pm, concert; 6-8, 10-12. Central.

WIBR, Weirton, W. V. 245.8m-1220kc. 50 watts. Tri-State Radio Co. Announcer, W. D. Johnston. Slogan, "The Town Where Everybody Works." Fri, 8:30-11 pm. Sat, 11-1 am. Sun, 2-3 pm. Eastern.

WIBS, Elizabeth, N. J. 202.6m-1480kc. 10 watts. New Jersey National Guard.

WIBU, Poynette, Wis. 222.1m-1350kc. 20 watts. The Electric Farm.

WIBW, Logansport, Ind. 220.4m-1360kc. 100 watts. Dr. L. L. Dill.

WIBX, Utica, N. Y. 205.4m-1460kc. 150 watts. Grid-Leak, Inc.

WIBZ, Montgomery, Ala. 230.6m-1300kc. 10 watts. A. D. Trum.

WIL, St. Louis, Mo. 272.6m-1100kc. 250 watts. St. Louis Star and Benson Radio Co. Announcer, Billy Knight. Slogan, "Watch It Lead." Mon, 10-12 m. Tues, 4-5 pm. Wed, 9-11 pm. Thurs, 4-5 pm, 8-10. Fri, 9-11 pm. Sat, 4-5 pm, 10-12. Central.

WIOD, Miami Beach, Fla. 247.8m-1210kc. 1000 watts. Carl G. Fisher. Announcer, Jesse H. Jay. Slogan: "Wonderful Isle of Dreams."

WIP, Philadelphia, Pa. 508.2m-590kc. 500 watts. Gimbel Bros. Announcer, E. A. Davies. Slogan, "Watch Its Progress." Daily ex Sun, 7-7:30 am, 1-2 pm, 3-4:30, 6-6:45, music; 7-7:30 pm. Tues, Thurs, Sat, 8-12 pm, concert. Sun, 10:45-12 noon, 4:15-5:30 pm, 7:45-9, 10-12. Eastern.

WJAD, Waco, Texas. 352.7m-850kc. 500 watts. Barton's Dyanshine Station. Mon, Tues, Thurs, Fri, 8:30-10 pm. 1st and 3rd Wed, 8:30-9:30 pm. Central.

WJAG, Norfolk, Nebr. 270.1m-1110kc. 200 watts. Norfolk Daily News. Announcer, Karl Stefan. Slogan, "The World's Greatest Country Daily, and Home of Printer's Devil." Daily ex Sun, 12:15 pm; Sun, 3:30-6 pm, music. Central.

WJAK, Kokomo, Ind. 254.1m-1180kc. 50 watts. Clifford L. White. Slogan, "The Radio Parson." Daily ex Sun, 12 noon, news. Mon, 7:30 pm, music. Central.

WJAM, Cedar Rapids, Iowa. 267.7m-1120kc. 100 watts. D. M. Perham. Tues, Thurs, Sat, 7-10 pm. Sun, 4 pm, vesper service. Central.

WJAR, Providence, R. I. 305.9m-980kc. 500 watts. The Outlet Co. Announcer, J. A. Reilly. Slogan, "The Southern Gateway of New England." Daily ex Sun, 1:05-2:15 pm, weather, reports, music. Mon, Wed, Fri, 10 am, household hints. Mon, 7:45-11 pm. Tues, 7:30-10 pm. Wed, 7:30-11 pm. Thurs, 7:45-11 pm Fri, 7:45-10:30 pm, 11-12. Sun, 6-10:15 pm. Eastern.

WJAS, Pittsburgh, Pa. 275 1m-1090kc. 500 watts. Pittsburgh Radio Supply House. Pickering's Studio. Announcer, Bryan McDonald. Slogan, "World's Jolliest Aerial Station." Daily ex Sun, 7-8 pm, dinner concert; 8-11. Sun, 2 pm. Eastern.

WJAX, Jacksonville, Fla. 336.9m-890kc. 1000 watts. City of Jacksonville.

WJAZ, Chicago, Ill. 322.4m-930kc. 1,500 watts. Zenith Radio Corp. Announcer, Ralph H. G. Mathews. Tues, Wed, Fri, 9-1 am. Thurs, 10-12 m. Sat, 9-2 am. Sun, 7-9 pm. Wed, Sat, 9-2 am. Thurs, 10-12 midnight. Sun, 7-9 pm. Central.

WJBA, Joliet, Ill. 206.8m-1460kc. 50 watts. D. H. Lentz, Jr. Tues, Thurs, Sat, 7-12 midnight. Central.

WJBB, St. Petersburg, Fla. 254.1m-1180kc. 10 watts. Financial Journal.

WJBC, La Salle, Ill. 234.2m-1280kc. 100 watts. Hummer Furniture Co. Announcer, Harry Halpin. Daily ex Sun, 12:30-1 pm. Mon, 8-11 pm. Central.

WJBG, Charlotte, N. C. 223.7m-1340kc. 10 watts. Interstate Radio, Inc.

WJBI, Red Bank, N. J. 218.8m-1370kc. 250 watts. Robert S. Johnson.

WJBK, Ypsilanti, Mich. 232.4m-1290kc. 10 watts. Ernest F. Goodwin.

WJBL, Decatur, Ill. 270.1m-1110kc. 500 watts. William Gushard Dry Goods Co. Announcer, H. B. Rickards. Mon, Sat, 9:30-11 pm. Wed, 9-10:30 pm. Sun 10:45-12:15 pm, 3-4. Central.

WJBO, New Orleans, La. 268m-1120kc. 100 watts. Valdemar Jensen.

WJBU, Lewisburg, Pa. 211.1m-1420kc. 100 watts. Bucknell university. Slogan, "In the Heart of the Keystone State."

WJBR, Omro, Wis. 227.1m-1320kc. 50 watts. Gensch and Stearns.

WJJD, Moosehert, Ill. 370.2m-810kc. 1,000 watts. Loyal Order of Moose station. Announcer, Jack Nelson. Slogan, "The Call of the Moose." Daily ex Sun, Mon, 12-1 pm, 2-3; 4-5 pm, children's program; 5:30-7. Daily ex Sun, Mon, 8-9 pm, 10-11, 12:30-1:30. Sun, 7:45-8:40 am, services; 9:45-11 am, services; 2:30-5. Central.

WJR, Pontiac, Mich. 516.9m-580kc. 5,000 watts. Jewett Radio and Phonograph Co. Slogan, "Where Joy Reigns." Announcer, Leo Fitzpatrick. Daily ex Sun, 7-8 pm, 9-10. Thurs, Sat, 10-11 pm. Mon, Wed, Sat, 11:30-1 am. Eastern.

WJY, New York, N. Y. 405.2m-740kc. 5,000 watts. R. C. A.

WJZ, New York, N. Y. 454.3m-660kc, Variable power. R. C. A. Announcer, Milton J. Cross. Daily ex Sun, 10-11 am, 1-2 pm, 4-6, entertainment; 7-11:30 pm, special program. Sun, 11-1 pm, church services; 2:30-5 pm, 7-10:30 pm. Eastern.

WKAF, Milwaukee, Wis. 260.7m-1150kc. 500 watts. Kesselman-O'Driscoll-Hotel Antlers. Announcer, Robert F. Hall Co. Mon, Wed, Fri, 10-11 pm; Thurs, 8:30-10 pm. Sat, 8:30-10 pm; 11:30-1 am. Sun, 4-6 pm. Central.

WKAQ, San Juan, Porto Rico. 340.7m-880kc. 500 watts. Radio Corporation of Porto Rico. Announcer, Joaquin Augusty. Slogan, "The Island of Enchantment, Where the World's Best Coffee Grows." Wed, 8-10 pm, band. Thurs, 8:30-10 pm., Rialto theater orchestra. Fri, 9-10 pm, Porto Rican Atheneum, talks. Intercolonial.

WKAR, East Lansing, Mich. 285.5m-1050kc. 1,000 watts. Michigan State College. Announcer, Jim Gamble. Mon, Wed, Fri, 7-9 pm. Tues, Thurs, 7-8 pm. Sat, 12:30 pm. Eastern.

WKAV, Laconia, N. H. 223.7m-1340kc. 50 watts. Laconia Radio Club. Fri, evening concerts. Sun, 10:30 am; 6:30 pm. Eastern.

WKBB, Joliet, Ill. 214.2m-1400kc. 100 watts. Sanders Brothers. Wed, 6:30-8:30 pm. Thurs, Sun, 8:30-12 midnight. Central.

WKBE, Webster, Mass. 230.6m-1300kc. 100 watts. K. & B. Electric Co. Mon, 8-12 midnight. Eastern.

WKBG, Chicago, Ill. 215.7m-1390kc. 100 watts. C. L. Carrell. (Portable.)

WKRC, Cincinnati, Ohio. 422.3m-710kc and 325.9m-920kc, alternate months. 1,000 watts. Kodel Radio Corp. Announcer, Eugene S. Mittendorf. Mon, 6:15-7 pm, 8-10, 12-1 am. Tues, Thurs, Sat, 10-12 midnight. Wed, 6:15-7 pm; 8-10 pm, 12-1 am. Sun, 6:45-7:30 pm, 10-12, 12-1 am. Central.

WKY, Oklahoma City, Okla. 275.1m-1090kc. 100 watts. E. C. Hull, H. S. Richards. Daily ex Sun, 9 am, 2:30 pm, markets, weather; 7-8:30, music. Sun, 11 am, 7:30 pm, services. Central.

WLAL, Tulsa, Okla. 249.9m-1200kc. 100 watts. First Christian church. Announcer, R. W. Burkhart. Slogan, "The Voice of the Church." Sat, 7:30 pm, Bible class. Wed, 9:30 pm. Sun, 7:30 pm, church. Central.

WLAP, Louisville, Ky. 275.1m-1090kc. 20 watts. W. V. Jordon. Tues, Fri, 9:20-10 pm. Central.

WLB, Minneapolis, Minn. 277.6m-1080kc. U. of Minnesota.

WLBL, Stevens Point, Wis. 277.6m-1080kc. 500 watts. Wisconsin Dept. of Markets. Slogan, "Wisconsin, Land of Beautiful Lakes." Daily ex Sun, 8:45 am, 9:45, 10:45, 11:45, 12:30 pm, 1:45, markets. Tues, Thurs, 8 pm. Mon, Fri, 6 pm. 3rd and 5th Sat of month, 8 pm. 2nd and 4th Sat, 10 pm. Central.

WLIB, Chicago, Ill. (302.8m-990kc. 1000 watts. Liberty Magazine. Announcer, Bill Hay. Daily ex Sun, Mon, 7-8 pm, 11-1 am. Sun, 5-6 pm. Central.

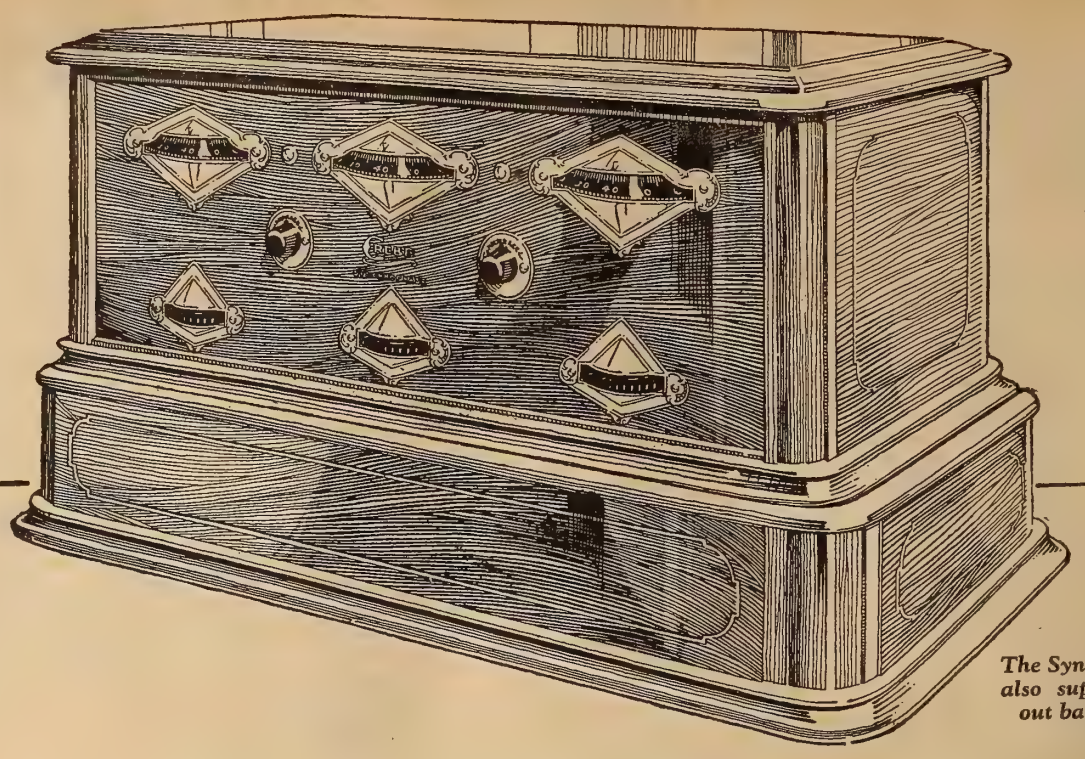
(Note—The fourth part of the directory will appear next week.)

It is written:

"A perfect vase never came from a bad potter's wheel."

When one realizes its origin, the superior reception of the Synchrophase is not to be wondered at.

Doctor Thy



The Synchrophase is also supplied without battery base.

Why the Synchrophase Appeals to the "Fan"

HE, more than anyone else, understands what Grebe quality means. He best realizes why Grebe construction is reflected so surely in the superior reception of the Synchrophase.

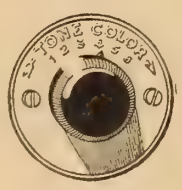
The Grebe Synchrophase, built to satisfy the "fan", has quickly won first place in the opinion of the average radio user.

Ask your dealer to show you what Grebe reception means.

A. H. Grebe & Co., Inc., 109 West 57th Street, New York

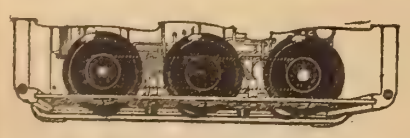
Factory: Richmond Hill, New York

Western Branch: 443 So. San Pedro St., Los Angeles, Cal.



Grebe "Colortone"

Grebe Binocular Coils Reg. U. S. Pat. Off. *and Low-wave Extension Circuits*



Flexible Unit Control

This company owns and operates stations WAHG and WBOQ; also low-wave rebroadcasting stations, mobile WGMU and marine WRMU.

The GREBE SYNCHROPHASE

TRADE MARK REG. U.S. PAT. OFF.

GREBE RADIO TRADE MARK REG. U.S. PAT. OFF.

All Grebe apparatus is covered by patents granted and pending.

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Opening Baseball Games to Go on Air

Radio Digest

EVERY WEEK

TEN CENTS

Vol. XVII No. 1

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APRIL 10, 1926

"Sunflower Girl" Vamps Texans; WDAE Steals Fish Playground; Women's Programs; Seventh Installment of "A Step On the Stairs;" Super-Torodyne, New Improved Super

No. 3 OFFICIAL BALLOT

Announcers' Contest

RADIO DIGEST THIRD ANNUAL GOLD CUP AWARD

GOLD CUP AWARD Editor, Radio Digest,
510 North Dearborn Street, Chicago, Ill.

Please credit this ballot to:

.....of Station.....
(Announcer's Name) (Call Letters)

Signed.....

Address.....

City..... State.....

4-10-26

NOMINATION CERTIFICATE

Announcers' Contest

Radio Digest Third Annual GOLD CUP AWARD

GOLD CUP AWARD Editor, Radio Digest,
510 North Dearborn Street, Chicago, Ill.

Dear Sir:

I nominate.....

Station.....
(Broadcasting Station)

Signed.....

Address.....

City..... State.....

McNAMEE AND HAY QUIT GOLD CUP RACE

CONCLUDE ONCE ENOUGH TO WIN FIRST PLACE

1924 and 1925 Victors Establish Precedent—Eighteen New Candidates Entered in Announcers' Race

Stand by for a shock, ye supporters in the Middle West of George D. Hay, WSM, and in the East of Graham McNamee, WEAF, for they have philanthropically and voluntarily decided that they will not try for the Gold Cup Award this year.

The decisions not to run, tendered by the winners of the 1924 and 1925 Gold Cups, arrived by mail almost simultaneously. The two letters were but several hours apart, and each of the past champions voiced the sentiment that one cup was enough for any announcer. It was time to get out of the race and let the other fellows win.

Both McNamee and Hay feel that they would not win again this year regardless of their running, but that the votes which would be wasted upon them should go to someone else.

McNamee Describes Cup

So that ends the race as far as McNamee and George Hay are concerned. The Gold Cup Award editor accepts their withdrawal, and the precedent of "single terms" for Gold Cup announcers is thus established.

Graham is much pleased with the cup he won last year by the aid of his friend announcers and Radio fan supporters. He says:

"The cup graces the top of my Radio set and looks very beautiful in its glass case. The usual comment of friends who see it for the first time is that it is, undoubtedly, the most beautiful cup they have ever seen. I feel the same way about it myself and am very proud to be the possessor of such a beautiful piece of art work."

Nominations Come in Fast

Added to the sixteen nominations announced last issue, eighteen more candidates have been put in the race by listeners in. Old and new names, handling microphones scattered from the Mississippi's delta to the seat of the Canadian government, and from the Atlantic seaboard to the wheat belt, are found in the list. The eighteen new contestants are:

CNRO.....A. W. Ryan
KDKA.....George S. Ryan
KTHS.....G. C. Arnoux
KFNF.....Henry Field
KYW.....Sen A. W. Kaney
WAPI.....W. C. Wall
WCX.....C. D. Tomy
WDAF.....H. Dean Fitzer
WDOD.....John T. Carter
WGN.....Quin Ryan
WHO.....N. Dean Cole
WJZ.....Norman Brokenshire
WJZ.....John B. Daniel
WOC.....Peter McArthur
WOI.....Andy Wolfreese
WOAW.....Lester Palmer
WRC.....Edw. B. Husine
WSMB.....C. R. Randall

If your favorite announcer's name is not in the list above or did not appear last issue, fill in the nomination blank at the right top of this page and get him into the running. Then SAVE your ballots for him. Don't miss a SINGLE ballot, for when these are turned in to Radio Digest in a group of CONSECUTIVE numbers, a pleasing and worth while bonus of extra votes is allowed the announcer for whom you are voting.

How Bonus Votes Are Given

The ballots, which appear weekly beginning last issue at the left top of this page, are numbered consecutively. They will appear every issue until the close of the contest. Each of these ballots will count for one vote when sent in separately.

But when held until you have four consecutively numbered ballots, and sent in at one time to Radio Digest, a bonus of eight votes, or a total of twelve votes, will be allowed the candidate for whom you are voting.

The larger the number of consecutive ballots submitted, the greater is the bonus allowed. Eight consecutive ballots receive a bonus of twenty votes, or a total of twenty-eight votes. Twelve consecutive ballots receive a bonus of thirty votes, or a total of forty-two votes. And for a complete series of ballots, including one from each issue from March 27 to and including the last, which will appear in the September 1 issue, a bonus of fifty votes will be allowed.

Send in nominations or ballots to the GOLD CUP AWARD EDITOR, Radio Digest, 510 North Dearborn street. Chicago.

The government of the Dutch East Indies has authorized the erection of a large broadcasting station and the private use of receiving sets under license.

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Radio Digest, Illustrated, Volume XVII, Number 1, published Chicago, Illinois, April 10, 1926. Published weekly by Radio Digest Publishing Co. (Incorporated), 510 N. Dearborn Street, Chicago, Illinois. Subscription rates yearly, Five Dollars; Foreign Postage One Dollar additional; single copies Ten Cents. Entered as second class matter at the post office at Chicago, Illinois, under the Act of March 3, 1879. Title Reg. U. S. Patent Office and Dominion of Canada. Copyright 1926 by Radio Digest Publishing Co. All rights reserved.

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Looking Ahead

In the Next Issue of Radio Digest, readers of the thrilling Radio mystery serial, "A Step On the Stairs," will find a great many enlightening incidents. Real names and real characters will be discovered by the police motor lights. It will seem to unfold most of the mystery—and yet, will it? Draw your conclusions and get ready to write your own answer for one of the big cash prizes.

Pensacola Is One of the Old Towns on the Gulf Coast of Florida. It is one of the old forts, rich in traditions but keenly alive to the trend of modern life. It has established its own broadcasting station, municipally owned and controlled. You will be interested in reading about WCOA at Pensacola, Florida, in our next issue.

Just as Individuals Have Personalities, vivacious or serious and dignified, poised or hoity-te-toity, musical or speechy and educational, so do these characteristics identify various broadcasting stations. A bit of analysis along this line with special reference to WGCP, New York, in a forthcoming issue of Radio Digest.

The "Don't Bloop" Articles Continue. The technical staff, in the next issue, will offer timely advice for the selection of interference inspectors, together with the circuit and constant values for the construction of a portable receiver.

Interested in "Supers"? Professor Owen's second article of his series upon the Super-Torodyne will be of unusual interest to those who enjoy building the latest. Panel layouts and arrangement of parts will be described.

NEWS BRIEFS FROM THE BROADCASTERS

WAR-TIME TUNES WILL BE PLAYED THROUGH WJZ

Lieut. Macready to Speak Over WLW—KSD, St. Louis, Joins Capitol Theater Gang

"Memories of the World War," a collection of 1917-18 tunes made by Capt. Wm. J. Stannard, U. S. army band leader, will be repeated by WRC, Washington, and WJZ, New York, during the latter part of April.

* *

Lieut. John A. Macready, famous for his altitude and transcontinental airplane flights, will speak from Crosley WLW, Cincinnati, on Tuesday evening, April 13, at 7 o'clock Central time.

* *

Station KSD, St. Louis, has been added to the list of broadcasters giving the Sunday evening programs from the Capitol theater, New York. The seven others on the list are WEAF, WCAP, WJAR, WWJ, WCAE, WEEI and WTAG.

* *

The North Dakota American Legion official program will be given from Station WDAY, Fargo, on April 18, from 4 to 6 p. m. Central time. The wave length is 261 meters.

* *

President Coolidge, unable to attend in person, will be one of the many listeners hearing the party of the Exchange clubs of Connecticut, to be broadcast from WTIC, Hartford, on Saturday, April 10, at 8:30 p. m. Eastern time.

* *

Two one-act plays, written for Radio, will be presented on Thursday evening, April 15, by the KGO Players, at Oakland, under the direction of Wilda Wilson Church.

* *

"The Oriental Symphony" is the latest WGN attraction. It is a studio orchestra which plays special arrangements of every one of its selections of popular music.

* *

Over $50,000 worth of presents were given away by the Missouri State Marketing Bureau station, WOS, when an interstate old fiddlers' contest was held last week. Sixteen fiddlers from eight states participated.

* *

Robert Hurd, well-known authority on music and entertainment, has been added to the staff of KFI as program director. His duties, KFI emphasizes, will be as large and important in scope as the leading motion picture directors are to the motion pictures.

* *

Members of the Kittredge Glee club were heard over WGBS, New York, last week in a program of Easter carols and appropriate music aided by the ukulele section of the club. The Kittredge Glee club was founded 35 years ago by the Rev. A. E. Kittredge for the professional and business girl.

* *

The latest "nut" club to take the air is the "Wisecracker Club" of KNX, Hollywood. It is now one month old as a weekly feature. The "Duke" and the "Count" are the "Chief Crackers."

* *

A modern adaption of the old-fashioned almanac is heard nightly from WLIB, Chicago, at 7:20 p. m. Central time. The broadcast's nature is very similar to the type of material found in the almanac, and it precedes the weather forecast for the night and following day.

* *

A New York Liederkranz and a Syracuse dance orchestra entertained listeners in the African rand and veldt recently when WGY's program was rebroadcast in Johannesburg, South Africa, in what is believed to be a record relay. WGY's 32.79-meter wave was received and repeated on a higher wave by an African amateur.

HOLLYWOOD SINGER HAS PERFECT VOICE

MISS Lilyan May Challenger, who adorns our cover this week, is the girl who sings the silver chord during the hour of the Silvertown Cord orchestra at KNX, Hollywood, California, every Monday night from ten to eleven, Pacific coast time. She cherishes a unique distinction in a compliment received from Dr. Lee De Forest, father of the modern Radiophone, who declared that she had "a perfect Radio voice." The tone is contralto and by gift of nature the quality seems to be of a precise vibration that makes transmission practically 100 per cent perfect.

Newsstands Don't Always Have One Left

WHEN YOU WANT

Radio Digest

YOU WANT IT!

BE SURE OF YOUR WEEKLY COPY BY SUBSCRIBING NOW

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Publisher Radio Digest,
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Chicago, Illinois.

Please find enclosed check M. O. for Five Dollars (Six, Foreign) for One Year's Subscription to Radio Digest, Illustrated.

Name .....

Address .....

City..... State.....

STATIONS READY FOR BASEBALL

BIG PAGEANT TELLS AMERICA'S HISTORY

EIGHT-HOUR PROGRAM IS GIVEN THROUGH WOAW

Listeners Ride With Columbus on "Santa Maria" and Through Events Up to World War

OMAHA, Nebr.—"America," a Radio historical pageant, lasting eight hours, was broadcast here last week by the Woodmen of the World station, WOAW. Written by Eugene Konecky, announcer, poet laureate, and well-known author of the staff of the station, "America" afforded a presentation not often heard by Radio listeners.

Twenty-three episodes revealed through their musical arrangements and dramatic scores the history of the United States since the discovery of San Salvador by Columbus. The elaborate celebration was in commemoration of the fourth anniversary of Station WOAW, the voice of the Woodmen of the World Life Insurance association.

Pageant Covers Nation's History

By means of the pageant, which is believed to be the first ever attempted over the microphone, listeners rode with Columbus on the "Santa Maria," penetrated Florida with Ponce de Leon, looked for the first time down upon the peaceful waters of the Pacific ocean and fought the Indians at Jamestown.

They again sat in on the drawing up of the historical compact aboard the "Mayflower," struck for liberty with Roger Williams at Providence, witnessed the futile dream of the Indian chief, Pontiac, as it was shattered by the white man's power, and kaleidoscopically reviewed the epochal periods of the American revolution, the Gold Rush, the Civil war, the Spanish-American war, and the great World war.

The musical arrangement included choruses, bands, quartets, and instrumental and vocal soloists. Hundreds of ingenious sound effects were created.

INSTALL RADIO SET IN LONG NON-STOP TRAIN

Arrangement Will Make Trip of 226.5 Miles Entertaining

LONDON.—The Great Western railway, one of the "Big Four" of the British railway world, has installed loud speakers in the dining car of the famous Cornish Riviera express which leaves London at 10:30 a. m. daily for Plymouth. In addition head phones will also be available for use in the coaches.

The railway's object is to make the longest non-stop run in the world—226½ miles—an entertaining one for passengers. The trains travel at the speed of seventy-seven miles per hour.

Western Stations Showing Interest in Rebroadcasts

LOS ANGELES.—Due to the great distances in the far West with the resulting prohibitive cost of telephone interconnection between broadcast stations in the various cities, a great deal of interest is being shown in rebroadcasts. The only telephone hook-up between stations in the West is the one between KFI and KPO, a distance of slightly over 525 miles.

Stations KNX, KMTR and KFWB in Hollywood each have portable short wave transmitters mounted in busses which are used to feed programs to the main stations.

The following stations have signed off: KDZB, Bakersville, Calif.; KFAJ, Boulder, Colo.; KFVH, Manhattan, Kan.; KUO, San Francisco, Calif.; WDBC, Lancaster, Pa.; WEBM, portable; WHBK, Ellsworth, Me.

KIND BANDITS GIVE VICTIM FARE HOME

CHICAGO. — J. Elliott Jenkins, wealthy Radio engineer and broadcasting station contractor, was kidnaped here in his automobile on a recent night by seven armed men. His wife, formerly Alexandria Carlisle, famous actress, gave chase but lost the bandit car. However, the kidnaper-robbers were kind and removed but $16 from Mr. Jenkins' pockets, giving him $1 for taxi cab fare home. "I had the time of my life," he told his wife after rejoining her.

TELEVISION WOULD END WAR—MARCONI

LONDON. — Senatore Guglielmo Marconi has declared in an interview with the "Vossische Zeitung" that television will make war impossible two years hence. By that time, in the great inventor's opinion, the problem of sight at a distance will have been completely solved, and it will thenceforth be impossible for any troops to take cover without being "spotted" by the enemy.

DOUG, MARY AND ANNE VISIT WBOQ

Mary Pickford and her husband, Douglas Fairbanks, paid A. H. Grebe Station, WBOQ, a visit recently in the company of Anne Morgan, wealthy philanthropist, and so the picture above was snapped. Mary is pouring her reasons for being a professional woman into WBOQ's mike while Doug strums an obbligato on the Irish harp and Anne looks on amusedly.

In Moment of Weakness, Man Confesses Doing 'Slow Train Through Arkansas'

Thomas W. Jackson of Chicago, Ends Search of Years When He Breaks Down and Tells KTHS Audience He Wrote Book That Sold 7,000,000 Copies

Who wrote the "Slow Train Through Arkansas?"

That question has rankled in the breasts of Arkansasians for, lo, these many moons. The author of same has often been invited back,—to be shot, but so far there has been some confusion as to just who was the "guilty" party. Some thought it was Opie Reed, the famous wit and writer of 60 published books.

But it took Radio to set the question,—and the "Slow Train Through Arkansas" has always been a tender spot down in the "Wonder State,"—to rights.

Opie Reed recently paid Hot Springs a visit on the famous golfers' pilgrimage conducted by the Golfers magazine. Opie came to KTHS, the New Arlington hotel at Hot Springs, and took up ten minutes telling the folks tuned in that he most emphatically did not write same, but that "a fellow named Jackson" did. In fact, he was so emphatic that he forgot to tell any of his famous jokes, except one,—namely that in all the 300 golfers on the pilgrimage,—only one to date had lied about his score.

Two weeks later came Thomas W. Jackson, of Chicago and he also appeared before KTHS' mike to plead guilty to the charge of writing the "Slow Train Through Arkansas,"—which by the way has the record of 7,000,000 copies sold, more than any copyrighted book in the world.

Jackson hastily pleaded guilty, but said he had no insidious intentions to reflect on Arkansas when he wrote it. At that time, he said he used to travel the cotton belt and was a railroad man himself. In those days, he told his Radio audience, the engineers used a calendar instead of a time table and the whiskey dealers sent their shipments via Cotton Belt to prove its age.

Following his talk, which settled once and for all the burning question of the "Slow Train" and its author's purposes in writing it, the neck tie parties tuned in, took a vote and decided to dismiss the charge.

Eastern Man Listens to KFI 100 Evenings

Has Better Reception This Year Than During 1925

LOS ANGELES.—G. Edward Elwell of Bloomsburg, Pa., earned the coveted title of KFI's official listening post when he recently sent in his 100th consecutive log of a portion of KFI's programs.

During 1925, Elwell attempted to get the record of 100 night's consecutive reception of the Pacific coast station, but summer static broke in after he had logged them for 68 times straight. Starting again on November 1, 1925, Elwell has received KFI each night for 100 times and is going strong on the second hundred.

FOUR OF BIG LEAGUE OPENERS ON AIR WITH SEASON'S START

Broadcasters Announce Heavy Schedules Devoted to National Pastime—Many to Give Play-by-Play Results—Majors Start April 13

Four of the eight major league baseball games surely, and possibly more, will go on the air April 13, play-by-play and direct from the diamonds when the royalty of the bats and bases, outfield and pitcher's box, once more get into swing for a grand and glorious bunch of home runs and triple baggers. Principal broadcasting stations scattered all over the country are preparing to make the ball season of 1926 the best known in history.

Ball-Radio fans will have the opportunity of their lives of hearing the diamond news first hand over their receivers. Office boys will not need to hold open season for grandmothers—all they'll need will be crystal sets.

Four Big League Games on Air

The four major league games which will be broadcast play-by-play on Tuesday, April 13, when the Nationals and Americans start their season, and the stations which will give them are:

Brooklyn at New York, WJZ, WGY.
Chicago at Cincinnati, WLW.
St. Louis at Chicago, KOA.
Philadelphia at Washington, WRC.

WRC had not completed arrangements for handling the latter game as this paper went to press, but it is almost certain to be broadcast. Besides the opening game, WRC plans to give play-by-play results this season for every game the Washington American league champions play away from home, beginning on April 21 when Washington plays Philadelphia. Bulletins from other major league games will be announced between innings, and every evening this Washington station will report the complete daily scores in all leagues.

KOA to Give Western League Opener

WJZ and WGY each night throughout the season will give the results of all the major league games, and as usual will broadcast the play-by-play story of the World Series.

Following the opening game between the Chicago Cubs and the Cincinnati Reds, WLW will devote the rest of the season to giving results of all major league games every evening except Sunday at 6:50 p. m. Central time. Sunday evening the scores will be given some time during the program.

KOA, General Electric station at Denver, is going into sports broadcasting this summer very thoroughly. The Denver-St. Joseph opener of the Western league will be given play-by-play on Wednesday, April 14, following the Chicago-St. Louis game on Tuesday. Tennis, golf and other tournaments will be broadcast as they occur.

Chicago Cub Home Games Covered

WMAQ, the Chicago Daily News broadcaster, carrying the authoritative descriptions of Hal Totten, sports announcer, will give play-by-play results direct from the diamond for every home game, except those on Sundays, of the Chicago Cubs. When the Cubs are away from home, only the scores will be broadcast.

Unless one of the Chicago teams figures in the World Series, WMAQ will also broadcast the City Series between the Cubs and the White Sox. Every afternoon, except Sunday, at intervals of fifteen minutes, WMAQ will broadcast the scores by innings for the major league games.

The first home game for the Chicago

(Continued on page 16)

YIPE-YIPE, BOW-WOW, DOGGIE DOES IT NOW

NEW YORK.—Dogs now bark for the morning exercises! A letter just received by WEAF, which broadcasts each morning the "Tower Health Exercises" of Arthur E. Bagley direct from the Metropolitan Tower, New York, asks for an exercise chart especially prepared for Boston Terriers. This Radio "fan's" dog insists on his "Daily Dozen" each morning. Yessiree, it's a dog's life to have to get up every morning and do those setting-up exercises, bow, wow!

Sunflower Girl Vamps Texans

SWEET Singer From Kansas

Returns Soon from Short Vacation to Listeners of WBAP, Fort Worth. Hired Hand Trains Her Voice to Suit Mike.

WE MENTIONED the power of her voice carrying clearly and naturally. There's a reason. It has been the oft-repeated contention of the Hired Hand, substitute announcer of WBAP, that Radio singers should be trained for microphone singing, and not attempt to tune the microphone to the singer. The worth of his contention is clearly established in this case, the initial one he has tried out.

It has been necessary for the Sunflower Girl to pitch her voice lower than was accustomed. She transposes all her music to meet this condition, and by virtue of playing her own accompaniments, the difficulty is not great.

Just who the Sunflower Girl is outside the studio really doesn't matter. The Hired Hand confides that she is a relative. Be that as it may, the Radio fans will wink knowingly and believe it to be just more Truth Society stuff. Her home is in Kansas City to which she has returned for a short stay but will soon be heard again from the Texas station.

The Sunflower Girl smiles and says there is quite a difference between her first record—receiving three letters a week—and two of those—bills, and getting 3,919 letters in five days, her record for one week. Invitations for prolonged visits come frequently; sometimes a proposal for her fair hand slips in; but always there is candy by every post.

NOT by any means the least appreciated of her candy gifts, was a box packed with the candies dear to the heart of childhood: lollipops and licorice and all-day suckers, candy hearts and jelly beans. "Do you know," the Sunflower Girl said, "I cried when I opened that box and the realization came to me of all that it had meant to the donor to send that dear little box to me."

Other gifts include a bear-skin rug from Radio fans in the mountains of Colorado. From Radio fans on an Ohio prison farm came a beautiful pen and ink sketch of the Sunflower Girl, seated before a piano, as visualized by them. Foreign coins are also cherished mementos, as well as the exquisite pearls she wears.

The Sunflower Girl endeavors to answer all letters, but even with the aid of an assistant, it is an impossibility. "You'll tell them that I do so love them all though," she said.

You've heard the Hired Hand say Sunflower's hair is red, haven't you? And you've heard her contradict that it is vermillion, too, haven't you? Honest Injun, it is the beautiful shade of Titian that artists rave over, and a peaches and cream complexion, with nary a freckle to mar it. She is "five foot two" and one hundred and two.

The Sunflower Girl says she received the thrill of her (*Continued on page 20*)

"But wouldn't you like to know her real name?" taunts Hired Hand (below) at WBAP, Ft. Worth, who discovered Miss Sunflower.

She's very shy, extremely modest but, Boy, how this Sunflower Girl (above) can sing! She has been missed sadly during her recent vacation from WBAP.

By SUSAN HAYMES

IT ISN'T very long—only two or three months—since the Sunflower Girl of Kansas first began singing over WBAP, the Fort Worth Star Telegram and Record Telegram station at Fort Worth. It was a voice with a decidedly new lilt in it, with magnetic personality back of it, and a voice that was broadcasting to an unusual degree of clearness and naturalness. From the very beginning, it seemed to excite an unusual interest in the minds of the Radio fans.

They began even then to write letters to WBAP, asking about the new singer. "Please tell us something about the Sunflower Girl," they wrote; and they have continued to make that request with increasing frequency.

Anyone who knows her would jump at the chance of answering these queries about her! She is the kind of person you LIKE to talk about—provided you enjoy talking of people who make you feel happy. Without being in anywise a Pollyanna, she is a record-breaker when it comes to dispensing good cheer.

WDAE Steals Fish Playground

With Miss Dorothy Mason (above) to instruct through the microphone and Isham Jones' orchestra (below) to play there should be no reason why WDAE listeners shouldn't know how to dance.

MILLIONAIRE BUILDS Wall Around Section of Tampa Bay and Fills It up with Florida Real Estate. Antenna Towers where Tropical Fish Once Romped in Glee.

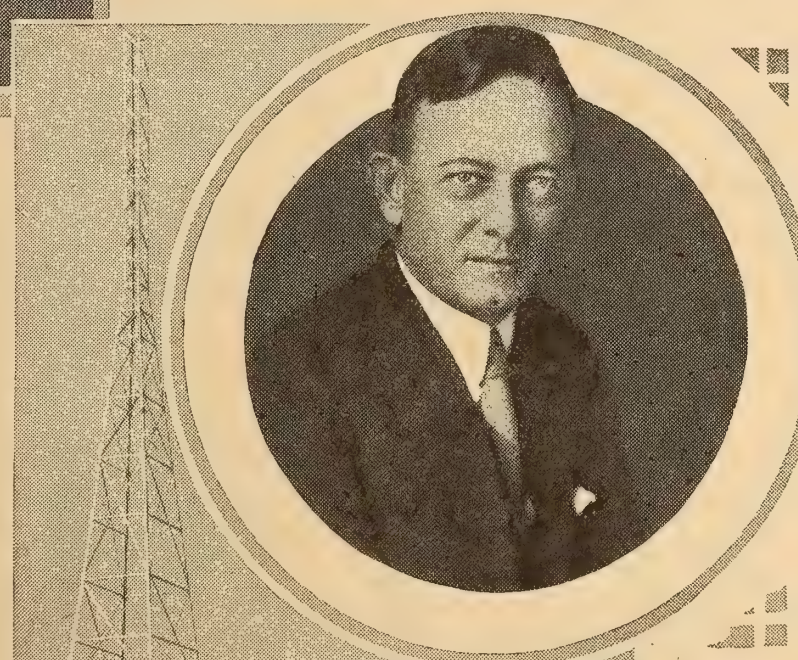
By HAROLD P. BROWN

"FLORIDA," that magic name, "Flowerland," has been in the minds and on the tongues of more people in the United States during the past two years than has the name of any other state in the Union. Yes, it seems as though even glorious California with her own private climate and beauteous scenery must make a slight though haughty bow to the fair sister at the gateway to the Gulf of Mexico.

Every Main street in the country has its local citizen who has turned a pretty penny in Florida, buying and selling lands and estates or town lots. Then there is the enticing languor of the old South, the Spanish architecture, moss draped trees, little lakes of crystal water, long stretches of hard, shell roads and the mellow warmth of a summer sun in winter. Above all, however, is the enticement of riches quickly gained, the vision of cities springing up in grandeur on fronded shores, marble palaces, business enterprises, houses with red tile roofs, great public works, ten-mile bridges, new railroads —prosperity, PROSPERITY!

Although the roads to Florida have been glutted with touring motorists all winter long and embargoes have been placed on freight because of the surplus of shipments, there is no rest from the beckon and call on the part of those who are there and "there to stay," as they proudly declare. Only the limitation of broadcasting waves prevents Florida from bristling with antenna towers from Jacksonville to the Keyes.

But Tampa was lucky. It has the Tampa Times and the Tampa Times was foresighted enough to establish its station, WDAE, five years ago—the first in the state. During the past two years that city has seen a building growth that meant the actual expenditure of $20,000,000. In fact the big hotels and apartments have been springing up in such close proximity that one enterprising real estate man obtained title to a section of land at the bottom of Tampa Bay, built a sea wall around his property, filled it up with a thousand acres of real estate and on this he built a Radio station.



Dave P. Davis (above) who built a thousand acre island in Tampa Bay and set a Radio station in its center (left).

IT WAS largely on an impulse that Dave P. Davis, the builder of the island, decided as an afterthought to add a Radio station. He had recently abandoned all other sports for the DX chase. And it was nothing at all for him to stick to the dials until the morning sun crept into his room. He figured he was not alone in this DX world, so he called in his friend "Tod" Megargle of the Tampa Times after one particularly successful night and they mapped out a 5,000-watt station. He would give those other DXers a new one to put in their log books.

There was the money, the disposition, the location and the goods, but they had not reckoned with the government wave dispensers. No wave was obtainable. Very well, Station WDAE of the Tampa Times would serve for both. A cooperative agreement was satisfactorily arranged. The engineers went to work and two 110-foot steel towers loomed up on the Davis Islands where formerly the tarpons and flying fishes sported in their tropical glee. Facilities for a 5,000-watt transmitter were installed. While work was progressing on a new administration building and studio, temporary quarters were fitted up in the Davis Islands Country club.

But the villain still pursued them. Station WDAE was not permitted to increase its power to 5,000-watts. Donald Thompson, one of the best Radio engineers in the South, scratched his head and got out a pencil. He had a lot of expensive material on hand to play with but he didn't "durst" shoot more than 250 watts at a crack. Like a cat on a wet lawn he got into the middle of it and began to juggle the various parts around in a way no one ever had heard of before. He was in his element. When he stepped out it was something entirely different than it had originally been. Don stood back and beheld the contrivance lovingly, a child of his own. Would it work?

Would it? Ask Robert T. Porter of Honolulu. Ask John P. Hoyt of a town in northern Alaska. Ask a score of other persons scattered from South America to upper Canada, who responded with letters and cablegrams from these ultra DX points to WDAE, Tampa, Florida, that opening night. And WDAE did it and is continuing

(*Continued on page 20*)

CHOP SUEY SOLVES LIST OF PROBLEMS

DISH IS EASILY MADE OF CHEAP INGREDIENTS

Miss Betty Crocker Also Gives Recipes for Cooking Swiss Steak and Soup Stock

Have you heard, and do you regularly listen for Betty Crocker's Radio talks? Miss Crocker is nationally known as a home food specialist who is broadcasting from a dozen of the country's largest stations. By special arrangement Radio Digest has secured a series of exclusive articles by Miss Crocker dealing with her current Radio talks. These broadcasts are made through WEEI, WEAF, WCAE, WGR, WEAR, WWJ, WDAF, WJAR, WHT, WFI, KSD, KFI, and WCCO, the Gold Medal station at Minneapolis-St. Paul. All of Miss Crocker's recipes and discussions are based upon actual investigations and work of herself and her assistants in model kitchens.—Editor's Note.

By Betty Crocker

BECAUSE of the hundreds of requests coming in, it is impossible to give a whole talk on each subject requested, and so I have decided to give you a collection of recipes for which we have had many requests. The first recipe I am going to give you will answer many questions. It is a good left-over dish, a one-dish meal, and another suggestion for using a cheap cut of meat. It is American chop suey. Here is the recipe:

One-half pound lean pork, 1 onion sliced, 5 cups soup stock, 2 cups celery, 2 tablespoons chop suey sauce, 1 green pepper, ¾ cup uncooked rice, 1 tablespoon sugar, 3 teaspoons salt, ½ teaspoon pepper.

Method: Cut meat in small pieces. Cook pork and onion together in the fat cut from the meat. When partially cooked add celery, green pepper, uncooked rice, soup stock and chop suey sauce. The celery and green pepper should be sliced but not finely chopped. Add seasonings. Cover and let cook slowly until tender. The total time of cooking is about 40 minutes. This amount will serve six. The chop suey sauce may be omitted if you do not care for it, and if you do not have the soup stock on hand, bouillon cubes may be substituted.

Swiss steak is another recipe for which we have had many requests. This is the way we prepare it in the Gold Medal Flour kitchen: Two pounds round steak, ½ cup Gold Medal flour, 3 teaspoons salt, ½ teaspoon pepper, 3 tablespoons shortening, 2 cups tomatoes, 2 tablespoons chopped onions.

Method: Mix flour, salt and pepper together. Wipe off steak with a cloth wrung out of cold water. Pound the flour into the steak. Heat the fat in the frying pan and brown the steak on both sides. Add tomatoes and chopped onions. Cover and let simmer slowly over the fire or bake in a moderate oven, 350°F. The time required depends upon the thickness of the steak. If one-inch thick, it will require two hours cooking. This amount will serve eight. Remember that after searing the steak, the cooking should be done slowly. The flour and tomato will cook down to a smooth paste, making a sauce to serve over the steak. If it should cook too fast and become dry, add a small amount of boiling water during the cooking.

Making Soup Stock

One of the questions that comes in very often is, "What is soup stock, consomme and bouillon?" Soup stock is the foundation soup made of meat with some bones and vegetables added. When it is clarified so that it is perfectly clear, it becomes either bouillon or consomme. The difference between the latter two is that bouillon is darker in color and stronger in flavor.

(Continued on page 17)

MICROPHONE SNAPS HER JOB AT DENVER

Microphone snap shots of human nature, based on colorful experiences and observations of a woman newspaper columnist, comprise the newest attraction over KOA at Denver. This new offering over the General Electric station will be launched the third week in April as a triweekly feature by Marjorie Irene Bond who writes under the pen name of "Cynthia Grey" for the Denver Express.

FROM GARDENS TO CANDY OVER WJZ

New York Station Has Extremely Wide and Varied Schedule for Women

NEW YORK.—The period of WJZ's daily broadcast devoted to the women of the listening audience is now the half hour between 4:00 and 4:30 each afternoon except Saturday and Sunday.

Mrs. Julian Heath, the president of the National Housewives league, with her excellent advice on home economics and daily menu, is an every day feature but the other subjects taken up are extremely varied. There is a shopping service for the out-of-town woman, a course on paper decorations and flowers; a course on the care of the skin and complexion and another which tells the housewife how to care for her garden.

Another regular talk tells her how to make her own clothes while another keeps her informed as to what other women are wearing. Interior decorating is another subject, while the kitchen is not forgotten in a series on the proper use of the gas stove and another series on meats.

Elinor G. Hanna, the candy expert, is conducting a course on candy making with excellent results. The mail response shows that the women are enthusiastic in their praise of the effort WJZ is making to assist them in their household work.

SHORT WAVES

By Marcella

Clyde R. Randall or "CRR" of WSMB, in answer to Jean of Waterloo, is a nice plump little fellow weighing anywhere from 170 to 185 pounds, depending upon the regularity with which he finds time to eat. In addition, he has, as added physical attractions, eight good teeth, gray hair, blue eyes, some freckles but no pug nose, a trace of bow-leggedness and good arches in each foot. His height is about 5 feet 7 inches, but much shorter at times just before pay day. He does all of his announcing by the use of his mouth, various other sounds notwithstanding, and oh yes—he is happily married, although his wife does not come to the studio. His ambition? Just to run inside the first ten for the Gold Cup award. Now I must confess, Jean, that this horrid sketch is not my own. Mr. Randall did it all himself, so you see I am not so cruel to him. I think he's very nice anyway, don't you?

* *

Jerry Sullivan is married, Ruth, but I am sure he would certainly be glad to migrate to one of the Columbus, Ohio, stations to give them "some life," as you say, if he knew how well you liked his work.

* *

Frank Morris, former WTAS singer and entertainer, died about a year ago, I believe it was. This will answer Mrs. J. E. C., Lola and R. W. B. Lola, you did mean Morris, not Morrison, didn't you? I don't know where Eddie and Fanny Cavanaugh are. Wendell Hall is going the rounds. The last three weeks he spent in New York at WJZ. His future plans are to cover the larger southern stations and end up at Mexico City. Art Gillham, the "Whispering Pianist," was in New York for some time, but I believe he is now on tour.

* *

Lola adds that Tommy Malie came to life recently over KYW in a piano-song act with Jimmie Snyder at the piano. So Tommy hasn't deserted Radio after all?

* *

Gene Rouse has joined the fleeting mysteries. Haven't the slightest idea, Mrs. E. M., where he can be. I don't think,

(Continued on page 17)

WOMEN'S PROGRAMS INDEX

Saturday, April 10

Eastern	Central	Mountain	Pacific
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.

WWJ (352.7m-850kc) Tonight's dinner.

11	10	9	8

WEAR (389.4m-770kc) Home service talk.
WHT (399.8m-750kc) Women's club, Jean Sargent.

12 n.	11	10	9

WGN (302.8m-990kc) Household hints.
WQJ (447.5m-670kc) Home Economics program; "Stories about Famous Pictures," Margery Currey; "Spring Salads," E. Ransum.

12:30 p. m.	11:30	10:30	9:30

WGN (302.8m-990kc) Discussion of fashions.

12:35	11:35	10:35	9:35

KYW (535.4m-560kc) Table talk.

1	12 n.	11	10

KGW (491.5m-610kc) Household helps, shopping guide.
KMA (252m-1190kc) Domestic science topics.

4	3 p. m.	2 p. m.	1 p. m.

KJR (384.4m-780kc) Tonight's dinner.

Monday, April 12

Eastern	Central	Mountain	Pacific
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.

WWJ (352.7m-850kc) Tonight's dinner.

10	9	8	7

WTAG (268m-1120kc) Marjorie Woodman, nurse.

10:50	9:50	8:50	7:50

WMC (499.7m-600kc) Home economics discussion, Miss Kitty.

11	10	9	8

WEAR (389.4m-770kc) Home service talk.
WHT (399.8m-750kc) Women's club, Jean Sargent.
WNYC (526m-570kc) Women's program.
WTIC (475.9m-630kc), "Exterior Decorating," George Hollister.

11:30	10:45	9:30	8:30

KFAB (340.7m-1000kc) "4-H Clubs in Summer."
WTIC (475.9m-630kc) Housewife's forum.

11:45	10:45	9:45	8:45

WCCO (416.4m-720kc), "Gold Medal Omelets."
WDAF (365.6m-880kc, WHT (399.8m-750kc, WJAR (305.9m-980kc) Home service talk, Betty Crocker.

12 n.	11	10	9

WGN (302.8m-990kc) Household hints.
WQJ (447.5m-670kc) Home Economics program. "The Care of Your Easter Flowers and Plants," Maud Jacobs. "The Story of Raisins," Belle DeGraf.
WSWS (275.8m-1090kc), Style shop.

12:15 p. m.	11:15	10:15	9:15

KYW (535.4m-560kc) Meat talk.

12:30	11:30	10:30	9:30

WEBH (370.2m-810kc) Fashion and household talks.

12:35	11:35	10:35	9:35

KYW (535.4m-560kc) Table talk.

1	12 n.	11	10

WSOE (245.8m-1220kc), Ladies' hour.

2:30	1:30 p. m.	12:30 p. m.	11:30

KFNF (263m-1140kc) Mothers' hour.
WGY (379.5m-790kc) Cooking lesson, Jessie Lane. "Planting the Family Garden," R. Adams.

3	2	1	12 n.

WCCO (416.4m-720kc) Women's hour.
WSOE (246m-1220kc) Cooking chats.

4	3	2	1 p. m.

WIP (508.2m-500kc) Market hints for housewives.
WJZ (454.3m-660kc), "Your Daily Menu," Mrs. J. Heath.
WOC (483.6m-620kc) Home management schedule, Aunt Jane.
WQJ (447.5m-670kc) "Tempting Desserts for Spring," Helen Downing.

4:15	3:15	2:15	1:15

WJZ (454.3m-660kc) Flower Making Course, Doris Clark.

4:25	3:25	2:25	1:25

WJZ (454.3m-660kc) Shopping service.

5	4	3	2

KJR (384.4m-780kc) Home helps.

7:30	6:30	5:30	4:30

WEAO (293.9m-1020kc) "The Family at Dinner," Hughina McKay.

Eastern	Central	Mountain	Pacific
12:15 p. m.	11:15 p. m.	10:15 p. m.	9:15 p. m.

KGO (361.2m-830kc) "Character Training in the Home," "Leisure Time," Edith Mirrieless.

Tuesday, April 13

Eastern	Central	Mountain	Pacific
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.

WWJ (352.7m-850kc) Tonight's dinner.

10	9	8	7

KDKA (309.1m-970kc) Domestic Science. Arts for the Housewife.
WIP (508.2m-590kc) Menu, Anna Scott.

10:45	9:45	8:45	7:45

WTAG (268m-1120kc) Talks to Mothers, Rosebelle Jacobus.

11	10	9	8

WEAR (389.4m-770kc) Home service talk.
WHT (399.8m-750kc) Women's club, Jean Sargent.
WMCA (340.7m-880kc) Home makers' hour.

11:30	10:30	9:30	8:30

WOI (270m-1110kc) "Economy in Replacing Equipment and Furnishings"; "Dry Cleaning and Renovation of Clothing," Ruth Lindquist.

12 n.	11	10	9

WGN (302.8m-990kc) Household hints.
WQJ (447.5m-670kc) "Be Yourself," Lillian Russell. "The First Flowers of Spring," Josephine Burdette. Pep exercises.

12:30 p. m.	11:30	10:30	9:30

WEBH (370.2m-810kc) Fashion and household talks.

12:45	11:45	10:45	9:45

WSWS (275.8m-1090kc) Beauty talks.

2	1 p. m.	12 n.	11

WGY (379.5m-790kc) Woman's club.

3:15	2:15	1:15 p. m.	12:15 p. m.

WHO (526m-570kc) Recipes, household hints.

4	3	2	1

WIP (508.2m-590kc) Menu talk.
WJZ (454.3m-660kc) "Your Daily Menu," Mrs. J. Heath.
WOC (483.6m-620kc) Home management schedule.
WQJ (447.5m-670kc) "New Uses for Leftovers," Helen Downing. "Raisins," Belle DeGraf.

4:15	3:15	2:15	1:15

WJZ (454.3m-660kc) "A Beautiful Skin," Elizabeth Arden.

4:30	3:30	2:30	1:30

WLIT (394.5m-760kc) Household helps and hints.

5	4	3	2

KJR (384.4m-780kc) Home helps.

5:30	4:30	3:30	2:30

KOA (322.4m-930kc) Housewives matinee.

6	5	4	3

KOA (322.4m-930kc) Culinary hints, Clara Hoover.

6:15	5:15	4:15	3:15

KOA (322.4m-930kc) Fashion review, Sally Dee.

7	6	5	4

KFOA (454.3m-660kc) Today's recipe.

8	7	6	5

WPG (299.8m-1000kc) Fashion Flashes.

8:30	7:30	6:30	5:30

KGO (361.2m-830kc) As a Woman Thinketh.

10	9	8	7

KOWW (256.3m-1170kc) "Home Helps and Recipes," Josephine Wright.

Wednesday, April 14

Eastern	Central	Mountain	Pacific
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.

WWJ (352.7m-850kc) Tonight's dinner.

10	9	8	7

WIP (508.2m-590kc) Menu.

10:45	9:45	8:45	7:45

WEAF (491.5m-610kc) Home service talk, Betty Crocker.
WFI (394.5m-760kc) Gold Medal Service talk, Betty Crocker.
WTAG (268m-1120kc) Talk to Housewives, Mrs. Lydia Flanders.

11	10	9	8

WHT (399.8m-750kc) Women's club, Jean Sargent.
WNYC (526m-570kc) Women's program.

11:30	10:30	9:30	8:30

KFAB (340.7m-880kc), "Flower Arrangements."

Eastern	Central	Mountain	Pacific
11:45 a. m.	10:45 a. m.	9:45 a. m.	8:45 a. m.

WCCO (416.4m-720kc) "Going to Market." Betty Crocker.
WDAF (365.6m-820kc) WHT (399.8m-750kc), WJAR (305.9m-980kc) Home service talk, Betty Crocker.

12 n.	11	10	9

WGN (302.8m-990kc) Household hints.
WQJ (447.5m-670kc) Home Economics program, "Cancer," Bertha Van Hoosen. "Your Husband's Breakfast," Marie Johnson.

12:10 p. m.	11:10	10:10	9:10

WSWS (275.8m-1090kc), "Counsel for Housewives."

12:30	11:30	10:30	9:30

WEBH (370.2m-810kc) Fashion and household talks.
WGN (302.8m-990kc) Discussion of fashions.

12:35	11:35	10:35	9:35

KYW (535.4m-560kc) Table talk.

3	2 p. m.	1 p. m.	12 n.

WCCO (416.4m-720kc) Woman's hour.

4	3	2	1 p. m.

WJZ (454.3m-660kc), "Your Daily Menu," Mrs. J. Heath. Fashion talk.
WLW (422.3m-710kc) Cooking school.
WOC (483.6m-620kc) Home management schedule, Aunt Jane.
WQJ (447.5m-670kc), "Why Eat More Greens?" Helen Downing. "Bread of Ages," Jean Rich.

5	4	3	2

KOAC (280.2m-1070kc) Housekeeper's half hour.
WMAQ (447.5m-670kc) Recipes.

6	5	4	3

KGO (361.2m-830kc) "Hints for Housekeeper."

7	6	5	4

KFOA (454.3m-660kc) Today's recipes.
KLX (508.2m-590kc) Woman's hour.
KMA (252m-1190kc) Domestic science talk.

8:15	7:15	6:15	5:15

KDKA (309.1m-970kc), "Home Disinfectants and Insecticides," Dr. Hedenburg.

10:30	9:30	8:30	7:30

KOAC (280.2m-1070kc) "Every Child—A Survey of His Development," Sara Prentiss.

10:45	9:45	8:45	7:45

KOAC (280.2m-1070kc) "Scheduling the Day's Work," Maude Wilson.

Thursday, April 15

Eastern	Central	Mountain	Pacific
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.

WWJ (352.7m-850kc) Tonight's dinner.

10	9	8	7

WIP (508.2m-590kc) Menu talk.

10:45	9:45	8:45	7:45

WTAG (268m-1120kc) Marjorie Woodman, nurse.

10:50	9:50	8:50	7:50

WMC (499.7m-600kc) Home economics discussion, Miss Kitty.

11	10	9	8

WEAF (491.5m-610kc) Talks, cookery lecture.
WEAR (389.4m-770kc) Home service talk.

11:30	10:30	9:30	8:30

WHT (399.8m-750kc) Women's club, Jean Sargent.
WOI (270m-1110kc) "Preparation for Leisure," Elizabeth Hoyt. "Planning for the Fair," Avis Talcott.

12 n.	11	10	9

WGN (302.8m-990kc) Household hints.
WQJ (447.5m-670kc) "Delicious Custards," Erna Bertrams.

12:30 p. m.	11:30	10:30	9:30

WEBH (370.2m-810kc) Household and fashion talks.

12:35	11:35	10:35	9:35

KYW (535.4m-560kc) Table talks.

2	1 p. m.	12 n.	11

WGY (379.5m-790kc), "Accessories in Spring Costumes," Beatrice Hunter.

4	3	2 p. m.	1 p. m.

WJZ (454.3m-660kc) Your Daily Menu, Mrs. J. Heath.
WOC (483.6m-620kc) Home management schedule, Aunt Jane.
WQJ (447.5m-670kc) "A Corn Luncheon," Helen Downing. "May Parties," Julia Deal.

Eastern	Central	Mountain	Pacific
4:15 p. m.	3:15 p. m.	2:15 p. m.	1:15 p. m.

WJZ (454.3m-660kc) "Wall Paper, Room by Room," A. Fillebroun.

4:25	3:25	2:25	1:25

WJZ (454.3m-660kc) "Corned Beef and Cabbage."

5	4	3	2

KFOA (454.3m-660kc) Home helps.
KOAC (280.2m-1070kc) Housekeeper's half hour.
KSD (545.1m-550kc) Women's hour.

5:30	4:30	3:30	2:30

KOA (322.4m-930kc) Housewives' matinee.
WCCO (416.4m-720kc) Women's club program.

6:15	5:15	4:15	3:15

KOA (322.4m-930kc) Culinary hints, Clara Hoover. Fashion review, Sally Dee.

7	6	5	4

KFOA (454.3m-660kc) Today's recipe.
WLW (422.3m-710kc) "The Civic Responsibilities of Mothers," Jessie Adler.

7:40	6:40	5:40	4:40

WEAO (275.1m-1090kc) "Synthetic Food," Henry Werner.

Friday, April 16

Eastern	Central	Mountain	Pacific
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.

WWJ (352.7m-850kc) Tonight's dinner.

10	9	8	7

KDKA (309.1m-970kc) Domestic science and Arts for the Housewife.

10:45	9:45	8:45	7:45

WTAG (268m-1120kc) Food hints, Mildred Thomas.

11	10	9	8

WHT (399.8m-750kc) Women's hour, Jean Sargent.

11:30	10:30	9:30	8:30

KFAB (340.7m-880kc) "The University and the Home."
WTIC (475.9m-630kc) Housewives' forum.
WDAF (365.6m-820kc), WEAR (389.4m-770kc), WJAR (305.9m-980kc), Betty Crocker's Home service talk.

11:45	10:45	9:45	8:45

WCCO (416.4m-720kc) "What Are Your Cake Problems?"

12 n.	11	10	9

WGN (302.8m-990kc) Household hints.
WQJ (447.5m-670kc) Sunday Dinner Menu, Ted Wilmes.

12:15 p. m.	11:15	10:15	9:15

KYW (535.4m-560kc) Meat talk.

12:30	11:30	10:30	9:30

WEBH (370.2m-810kc) Household and fashion talks.
WGN (302.8m-990kc) Discussion of fashions.

12:35	11:35	10:35	9:35

KYW (535.4m-560kc) Table talk.

1:45	12:45 p. m.	11:45	10:45

WOAW (526m-570kc) Sunshine Sunday dinner menu.

3:15	2:15	1:15	12:15 p. m.

WHO (526m-570kc) Recipes, household hints.

4	3	2	1

WJZ (454.3m-660kc) "Your Daily Menu," Mrs. J. Heath. "They Are Wearing," Suzanne Brown.
WOC (483.6m-620kc) Home Management, Aunt Jane.
WQJ (447.5m-670kc) Home Economics program. "Questions and Answers," Helen Downing. "Electric Table Cookery," Catherine Spengler. "Only God Can Make a Tree," Harriet Michaels.

4:25	3:25	2:25	1:25

WJZ (454.3m-660kc) "Solving Candy Problems," Elinor Hanna.

4:30	3:30	2:30	1:30

WFAA (475.9m-630kc) Homemakers program.
WMAQ (447.5m-670kc) Foibles of the Moment.

5	4	3	2

KJR (384.4m-780kc) Home helps.
KYW (535.4m-560kc) Woman's hour.

5:15	4:15	3:15	2:15

WMAQ (477.5m-670kc)

5:30	4:30	3:30	2:30

KOA (322.4m-930kc) Housewives matinee.

6	5	4	3

KOA (322.4m-930kc) Culinary hints.

6:15	5:15	4:15	3:15

KOA (322.4m-930kc) Fashion review.

a STEP On the STAIRS

By ROBERT J. CASEY

Radio Dramatization by FRED SMITH

Illustrations by HILMER C. OLSON

Synopsis of Preceding Chapters

IN THE first four episodes of "A Step On the Stairs," which are now available for 25 cents in a special reprint, we find a group of a dozen members of the Turner family in the hunt-room of the old Turner manse. They are nerve-strained and very jumpy as the result of a number of weird incidents connected with the attempted seance whereby Peleg Turner, the last of the house to die, attempts to speak from beyond the grave through a Radio loud speaker and tell them who killed his brother, Jeremiah. Ardwyn, the lawyer, presides. Mary Williams seems to be involved in most of the strange events, and the finger of suspicion is pointed at her by Aunt Helen, a gabby old widow; Cousin William, companion to Aunt Helen; Hazel Stanton, a girl whose relation to the family does not seem entirely clear, and Henry Graves who offers his protection by marriage. His offer is spurned. In the last episode John Carton, apparently Mary's accepted lover, appears in the room after the others have left for refreshments in another part of the house. Mary had fainted when she thought she felt the corpse of Peleg Turner entering the room through the front door, supposed to be barred except for the passage of the dead bodies of Turners going to their final resting place. Ardwyn left to get her a sedative. Hari Singh, the East Indian servant, unexpectedly becomes an ally of Mary when Carton, who seemed to be hiding from arrest on suspicion of the crime, is about to be trapped by other members of the party. The servant lets Carton out a side door.

Before Hari Singh is able to return, the other guests enter the room and demand an explanation of Mary as to the voice that had been heard in the room. Mary evades the questions briefly, but soon Hari Singh calls for help. He is discovered dragging in the body of a man which he said he had found outside the door in the snow. It is Milford Jones, with a fractured skull. He had disappeared earlier during the seance. While suspicions for the various evil happenings are being cast about, FYX starts up. A number is rendered and FYX stands by for the ship's SOS. Suddenly—Peleg Turner's voice comes out of the loud speaker. He curses Jeremiah's murderer whom he says is in the house and will pay the price 'ere dawn. While pandemonium reigns and Tolliver is talking, the beam of an electric flashlight hits him full in the face. Attempts to locate the owner of the light are vain. A human chain is formed to count heads. Instead of eleven people in the room as it should be, there are thirteen! Tolliver hunts matches beneath the table and is engaged in a struggle. He finds them, places them on the table, and suddenly an unknown voice threatens to shoot to kill at the first flicker of a match.

THE STORY CONTINUES.

CHAPTER THIRTEEN

The Unseen Crypt

"WHO are you?" demanded Ardwyn.

"That makes no difference," replied the voice. "I mean what I say."

"Suppose I did strike a match—suppose you did kill me," queried the lawyer, calm enough now in the face of tangible danger. . . . "Do you think you could get out of here with a whole skin?"

"You might try it," suggested the voice. "Your friend with the loud voice seems to be out of it and I don't think there's another man in the place."

"What do you want us to do?"

"We'll come to that. Just now all you're to do is put that box of matches back onto the table. Put 'em down hard enough so's I can hear you do it. . . That's it. . . . Now step back from the table and stand there until I tell you to move."

"I've heard your voice somewhere before."

"Don't be too sure of that." The comment was cruel and incisive. "You'll never get killed for what you don't remember."

"I don't forget," returned Ardwyn with a hint of triumph in his tone. "You have something over your mouth. But I know you now. I. . . ."

"Damn you keep quiet." A sudden movement in the dark told the hypnotized company that the owner of the voice had swung about toward Ardwyn. Then came silence once more. Of all the men and women in the room only two could say what had happened to Ardwyn and neither spoke.

"They've done for Mr. Ardwyn," wailed Aunt Helen Holmes. "They've murdered him. I just know they have. . . . Oh, why did I come here."

"Shut up," advised Cousin William usympathetically.

"Cousin William," gasped Aunt Helen. "Where did you get to? Why you were here just a minute ago. Cousin William."

"Keep still," came Cousin William's voice from the near distance. "Get down on the floor. If they start to shoot you'll be safer there."

"But I don't want to be shot on the floor," protested the woman. "I want to go home. I'm a good decent woman and here there's nothin' but iniquity. . . ."

Her chair creaked in evidence that she had thought better of Cousin William's advice.

"Do you honestly think it will be safer here under the table?" she asked presently in smothered tones. "I'm glad nobody can see me here."

"For Heaven's sake keep quiet," admonished the unseen William.

"FOLKS," came a muttered and unrecognizable message from somewhere near the fireplace. "We're sorry to have caused you this trouble. We didn't expect to find you here, see? But we'll not harm anybody if you just sit quiet and keep out of our way. You'll all be out of here and nobody any worse off, see? Now, everybody . . ."

He broke off with a weird gurgle that blended with the crash of falling glass.

"What's the matter?" queried a guarded voice from across the room.

"A woman," was the somewhat groggy reply from the fireplace. "I felt her hair. . . . Stand back all of you . . . I said there'd be no trouble unless you made it, see? But if the cat who hit me with that vase comes where I can get my hands on her, I'll strangle her. . . ." Once more he interrupted himself, this time with a scream that had barely ceased to echo when the triumphant call of Mary Williams rose clearly over the din.

"I have a pistol now, Mr. Ardwyn," she cried. "What shall I do now?"

A whisper sounded almost in her ear.

"Good," it said. "We can hold our own, now. But don't try to shoot it until you can see what you are doing."

"We shall go on, ladies and gentlemen," declared the voice that had halted Ardwyn's attempt to strike the match. "Even armed you can do nothing and there will be more deaths in this house unless you choose to keep quiet."

"Give in to him," murmured the unseen counsellor, "The night isn't over yet."

"Very well," replied the girl. "I don't know what you are doing here. But I can wait to find out. I shan't interfere with you while you are here providing you do not attempt to interfere with us. But I give you warning that you aren't going to get out of this room."

"We'll take our chances on that," was the hoarse rejoinder.

"Oh don't bother them, please don't irritate them," came a wail presumably from Aunt Helen. "They're murderers. They'll kill us all."

"We'll do just that if you don't shut your trap," declared the spokesman of the intruders. Then came silence, broken only by a whispering in guarded voices near the fireplace.

"If this mob will stay put we can get the stuff out," one of the mysterious conferees said at length.

"They'll stay put," said another. "Dig it out. We can't waste much more time."

Whereupon, through that tense, still atmosphere came a sound terrifying only in its associations, metal striking on brick.

"What are they doing?" demanded a male voice trembling so that it could not be identified.

"Digging for something," came an awe-sticken answer.

The metal continued to clang on the hearth as if the ghostly visitants had not heard the comments.

"GOD hurry the daylight," prayed another unseen vigilant. . . . "What is that smell?"

The clash of iron on tile suddenly was softened and there came a scraping sound accompanied by a slight tinkling.

"Earth!" someone called out hoarsely. "That's it, the scent of earth. . . . Somebody is opening a tomb."

A laugh, mirthless and inhuman, greeted this comment. It came to an end presently in a hysterical outburst from Aunt Helen Holmes.

"What a joke it all is," she chuckled crazily to herself. "I ain't goin' to have a shred of reputation left when I get out o' this house of iniquity. My sainted husband—him as has been gone these twenty years—he always used to say to me, Helen, have 'em get my tomb ready for me before I die so's I'll kinda know where I'm goin.'

"An' right here in this house they're doin' just that but they're too late. They's a corpse right here at my feet an' the grave ain't ready for him."

Once more she screamed with laughter.

"A corpse right here on the floor at the edge o' the rug an' no place to put him. That certainly is a joke on him."

"What are you talking about Mrs. Holmes?" demanded Mary Williams.

"Is it you that's askin' me, Miss Williams?" answered Aunt Helen. "Well then mind your own business. I got enough trouble with dead men and such without worryin' about hussies like you."

"What's the row?" inquired one of the ominous whisperers at the fireplace. "Has the old girl gone crazy?"

"Sounds like it," replied another. "I didn't bring any stiffs in here."

The conversation was suddenly broken off by a sudden cry:

"Hari Singh! Hari Singh! Open the door."

"That's Ardwyn," gasped the first unknown. "I thought you had attended to him."

"I guess I was too gentle with him," said his companion. "There may be trouble now."

"Hari Singh! Hari Singh!" called Ardwyn.

"You yell again and you'll get your throat cut," one of the intruders warned him. There was a sound of moving feet.

"THE front door is covered," Mary Williams announced.

"Where is that cat?" A man snarled angrily.

"I don't know. If I could find her I'd wring her neck. She seems to be floating in the air."

"Don't bother to look," the girl advised. "Just remember what I told you. The front door is covered. . . ." Then came silence, a brief, palpitant silence that was broken suddenly by another call from Mary Williams:

"Watch the hall door. They're at the hall door. They have a key . . . I heard it. . . ."

Almost as she spoke a streak of light appeared in the gloom at the side of the room.

"That's it . . . They're opening the door. Stop them . . . Stop them . . . Don't let them get away!"

And as if in answer to her call came a muffled curse.

"We got to jump for it. That damned Indian is out there. He's got a shot gun."

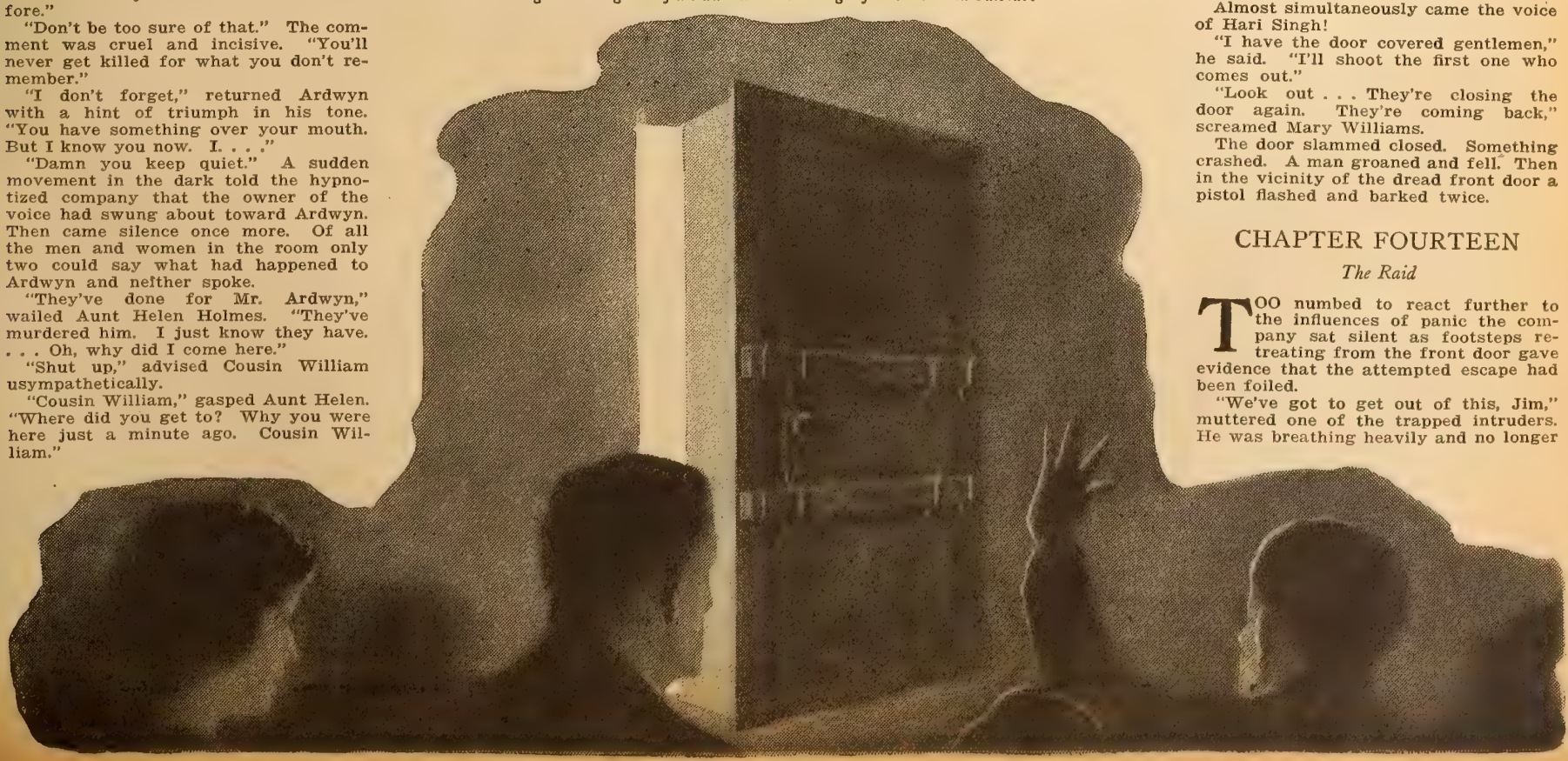
Almost simultaneously came the voice of Hari Singh!

"I have the door covered gentlemen," he said. "I'll shoot the first one who comes out."

"Look out . . . They're closing the door again. They're coming back," screamed Mary Williams.

The door slammed closed. Something crashed. A man groaned and fell. Then in the vicinity of the dread front door a pistol flashed and barked twice.

A dozen strained cries from all parts of the room answered him as the barred front door miraculously separated itself from the wall and stood poised momentarily in a diminishing silhouette against the glare of an automobile headlight from the road outside.



CHAPTER FOURTEEN

The Raid

TOO numbed to react further to the influences of panic the company sat silent as footsteps retreating from the front door gave evidence that the attempted escape had been foiled.

"We've got to get out of this, Jim," muttered one of the trapped intruders. He was breathing heavily and no longer

as confident as he had been when a few minutes before he had threatened Frederick Ardwyn.

"I'll follow you, Doggy," agreed the strained voice of the other. "I'll do what you say but we gotta do something quick."

"Gus," roared "Jim" in a louder tone. "Gus, where are you?"

Aunt Helen's hysterical laughter was his only answer.

"Gone!" breathed "Doggy" in horror. "He's gone. That cat did for him. Jim, we gotta crash the front door."

"I overheard you, gentlemen," Mary Williams interrupted calmly. "You won't get out through the front door."

"Where is that woman?" queried "Jim" in exasperation. "Get rid of her and we can bust out."

"I'll tell the world I don't know where she is," answered "Doggy."

"You were right at the door when she spoke."

"Yes, an' I was right after her. But she ain't where her voice is."

A taunting laugh echoed about them.

"There she is again. . . . Grab her."

"Grab her yourself. Look on the floor. . . . Damn! What's this?"

"It's a stiff," Neither spoke for some seconds which the clock ticked off with sonorous unconcern.

"The woman?" queried "Jim" at length.

"Nope," replied "Doggy" presently. It's a man an' dead as a doornail." It was apparent as he spoke that "Doggy" was growing angry.

"Why do we have to be the goats for this thing?" he demanded indignantly. "Why do we have to be dished up with these maniacs? Where is Gus? Where is Joe? Gone! And we're here holding the sack while that she-devil is waiting to knock us off if we attempt to get out."

"And the Indian!" retorted "Jim." "What a fine mess he turned out to be. If I can get out of here only two minutes I'll kill him."

Once more came Mary Williams' laugh and once more the scurrying of feet as they attempted to find her. In the midst of their frantic search there came another sound, insistent as always and unidentifiable.

"What's that?" queried "Jim."

"That's the sound they been raving about all night," replied "Doggy." "It's a step on the stairs."

"But what is it?" pursued "Jim." "How could it be a step on the stairs? You know there ain't any stairs in that end of the house."

"I know that. But I know my own ears. That's somebody walking on stairs and he's walking where there aren't any stairs." His voice had sunk to a whisper.

"And I move we drop the stuff and take our chances on the door."

"She'll shoot!"

"Listen, something's going on outside the house. We've got to chance it, I tell you."

"She'll shoot!"

"Just once. When she shoots we can see where she is and I'll be glad to attend to her."

"All r i g h t, we'll rush it. . . . We'll . . ." He paused as if in sudden pain.

"NO CHANCE!" muttered "Doggy" bitterly. "Look. . . . The d o o r is opening now. There's a crack of light underneath it. An automobile light. . . ."

"The side door," gasped "Jim."

"The Indian has a shotgun and no morals," "Doggy" reminded him.

"Who's this?"

A dozen strained cries from all quarters of the room answered him as the barred front door miraculously separated itself from the wall and stood poised momentarily in a diminishing silhouette against the glare of an automobile headlight from the road outside.

"Put down the gun, Jim," came the cool voice of "Doggy." "No use making a case for them. . . . We'll surrender and say it with lawyers.

"Step right in, coppers, and make yourselves at home. Welcome to our little madhouse."

"All of you line up against that back wall in the light where we can see you," came a gruff voice from beyond the doorway. "You are all under arrest. Lively now. . . . All of you. . . . Line up against the back wall and put up your hands."

Scurrying figures, flashes of white in the blinding glare of the lamps, hastened to comply with the command. A large man who hugged the edge of the doorway with precautionary zeal edged his way into the room and lost himself in the shadows adjoining the cone of light.

"Please make it snappy, captain; we've been up all night," urged "Doggy" cheerily as he marched with hands over head to the center of the spotlight.

"Who is that noisy one, lieutenant?" the big man inquired. "Is he one of your mob?"

"Sure, that's 'Doggy' French," laughed a guard at the door. "I thought everybody connected with the racket knew 'Doggy' French."

And then out of nowhere echoed the startled voice of Mary Williams:

"'Doggy' French! Why that's not his name! That's Henry Graves."

What were the strangers digging for and why are they at the seance? Who was shot as they started to bolt for the door? Why did the leader of the raid call Henry Graves "Doggy" French? The twisted strands of Mr. Casey's thrilling mystery story will be untangled much by next issue's installment.

$500 in Gold

FOR THE SOLUTION OF

"a Step On the Stairs"

REPRINTS NOW AVAILABLE

SO MANY people are attempting to win part of the $500 in Gold prizes which are being offered for solutions to "A Step On the Stairs," a reprint of the first four installments has been printed and may be had for the nominal charge of twenty-five cents, in coin or stamps, to cover the cost of handling. Address your order to the Mystery Story Editor, care of Radio Digest.

The chosen stations, which are broadcasting "A Step On the Stairs," in Radio play form, are given on page eleven. The days and the hours are listed.

THE PRIZES

The prizes are seventeen in number. First prize is $250; second prize is $100; third to seventeenth prizes inclusive, are $10 each. In the event of a tie for any prize offered, a prize identical in all respects with that tied for will be awarded to each tying contestant.

HOW TO WIN A PRIZE

Nine installments of Mr. Casey's story will be published consecutively each week. The first appeared in the February 27 issue. His tenth and final installment will not appear until the prize winning solutions have been selected by the judges. The solution nearest correct, that is, nearest to unraveling the mystery accurately, will win. The method of preparing the solution—its neatness, legibility, etc.—shall be considered.

RULES OF CONTEST

1. Solutions must be received not later than midnight of Saturday, May 1. The ninth installment of the story will appear in the April 24 issue. The author's intended and final chapter will appear in the May 15 issue, together with the announcement of the winners' names.

2. The contest is open to everyone except employes of Radio Digest and their families.

3. Contestants pay no fee and need not be subscribers to Radio Digest. Solutions, however, must be written upon one side of paper.

4. The decision of the judges, to be named later, will be final.

Radio Club Notes

The Broadcast Listeners association of Indianapolis, one of the largest and livest organizations of its kind in the country, recently secured as a speaker, Prof. A. M. Wilson, dean of the engineering department at the University of Cincinnati. This meeting was open to the public and invitations were extended by mail and through the press of the state to Radio manufacturers, jobbers and dealers since Prof. Wilson is nationally recognized as an authority on scientific research in the prevention of Radio interferences. He had a prominent part in the now famous report on this subject compiled and published by the National Electric Light association and his subject before the Broadcast Listeners club was "Radio Interference and How To Locate It and Prevent It Through Cooperation Between Listeners and Public Utilities."

* *

Copies of the report referred to should be obtained by every Radio club and can be had by sending 60 cents with a request to the National Electric Light association, 29 West 39th street, New York city, for the "Radio Interference" report.

* *

Eastern clubs are beginning to be heard from; such is the "power of the press." At Zanesville, Ohio, a Radio club has been formed that is most active and its president is H. E. Buker; its vice-president is C. W. Fowler, and its secretary is Owen A. Davis. The city council of Zanesville recently passed an ordinance prohibiting the use of vibratory type battery chargers between 6 p. m. and 5 a. m.

* *

The Manitoba Telephone system station at Winnipeg has commenced a systematic study of receiving conditions throughout the province of Manitoba. Observers in the employ of the company have been appointed at strategic points in the province and they report daily on receiving conditions from all points of the compass, noting interference, if any. The reports are telephoned in each morning to CKY, where a summary is made and broadcast at noon. CKY is the first station in Canada to undertake work of this kind on such a large scale. More power to them.

* *

If you like this column and gain anything from it thank Mr. E. J. Campbell, president of the Topeka (Kansas) Radio club as it was his letter urging it that brought a slowly crystallizing idea to a head. The Topeka club meets every Tuesday evening at the Chamber of Commerce and C. A. Rowe is vice-president, while R. L. McFerren is secretary.

"MAYBE I WANT IT," SAYS SEN. WATSON

SENATE RADIO POWER NOT SURE ABOUT I. C. C.

Although Contention Is Sound, Has Not Investigated Whether Change Will Be Made or Not

WASHINGTON, D. C.—"There is very generally a feeling that the interstate commerce commission should have control of Radio," says Senator Watson, of Indiana, chairman of the committee on interstate and foreign commerce, before which Radio legislation is pending, in a communication to the National Broadcast Listeners league.

The express purpose of the communication, it is understood, was to deny that he himself was the one sponsoring such a change. In part in his communication Senator Watson says:

"I have never given out a public statement that I thought that Radio should be under the control of the interestate commerce commission instead of the secretary of commerce.

Was Freely Discussed

"That thing was freely discussed in our committee simply because a number of witnesses that appeared made the suggestion. In fact, Judge Davis, solicitor of the department of commerce, stated that aside from a formally appointed commission, no one man should have this tremendous power in his hands. All of the members agreed to that and the only question with them is as to the proper jurisdiction of the business.

"There is a very general feeling that the interstate commerce commission should have control of Radio. Logically the contention is sound, but as to whether or not congress will see fit to make the change is more than I know, because I have not investigated it at all."

Station Is Teaching Oil Painting Through Radio

Instructor Paints Picture and Tells Listeners of Method

MUSCATINE, Ia.—One never knows what is coming next, and if by chance when tuning in you come across KTNT, here, from 6:45 to 7:45 Central time, you will find that station is teaching oil painting of portraits and all kinds of art pictures by Radio, and have many hundreds of students among their listeners.

The system of oil painting is one that requires no previous experience and no brushes are used, although the pictures are painted in genuine oil paints. The instructor doing a lesson paints the picture the same as the student has before them, and keeps up a chatter as he goes along, making the instructions not only interesting, but fascinating and amusing. KTNT has been featuring their art work for some months past and the first station to teach art by Radio.

KHJ ADOPTS POLICY OF NO ADVERTISING

LATEST ANNOUNCEMENT COMES AS SURPRISE

Los Angeles Times Will Make Annual Appropriation for Maintenance and Program Fund

LOS ANGELES.—KHJ has again done the unexpected. According to announcement made by "Uncle" John Daggett, manager of the Los Angeles Times station, effective April 1, programs put on the air over KHJ's microphone are now free from any kind of advertising, paid or unpaid, thus making the station an open forum for the people of the Southwest on a non-political, non-sectarian basis.

The plan provides for an annual appropriation for the Radio station to be used for the maintenance of the station and staff salaries as well as an additional amount to be used to hire the finest talent obtainable.

Elimination of all remote controls and absolute divorce from any and all advertising and objectionable matter is planned.

Policy Change Is Surprise

The announcement of this change in policy came as a surprise to everyone, particularly so at this time just when critics of the station were beginning to openly predict that KHJ would be forced off the air due to its unrelenting attitude towards the local musicians' union and the alleged unfair methods of the American Society of Composers, Authors and Publishers.

In addition to the much higher type of programs this new policy will bring to the listeners, it is felt by well-informed observers that it will do an even greater work by serving as a balance to other stations and act to keep the amount of advertising on their programs at a minimum.

It was also intimated that KHJ would soon be equipped with a new type high-power transmitter of latest design, capable of faithfuly transmitting the kind of programs that will be given in the future.

Station WSAI Shows Playing Card Display

Greatest Collection in Existence Placed in Reception Room

CINCINNATI.—The greatest collection of playing cards in existence will greet the eyes of visitors to the new studios of Station WSAI, of the United States Playing Card company here, when they enter the reception room.

The collection, which has been displayed at two world's expositions, was acquired some years ago, but never has been on public display before at the Playing Card company. With the great space made available in the new reception room at WSAI, officials decided to use the wall space for the display.

In it will be playing cards smaller than milady's finger tips, and cards used by royal families are included in the collection, which dates back to the year 1440. Card presses, used in the days when playing cards were not made with the care they are as in modern days, will also be shown.

Humorous designs, presidental cards, historical cards, in fact every playing card made since the diversion originated are included in this marvelous collection, and will be displayed with data, so that visitors may easily understand their origin and design.

Station WBAL Copyrights Monthly Musical Scenarios

BALTIMORE.—The musical scenarios being given once a month over WBAL, Baltimore's superpower station, are being copyrighted by this station. These scenarios are different from the majority of Radio features, being musical narratives illustrated by song and instrumental selections.

Broughton Tall, Baltimore author and dramatist, is writing these scenarios especially for WBAL.

DO YOU KNOW WHERE THESE PEOPLE LIVE?

TWO contributors to Radio Digest have checks awaiting them if they may be located. Letters bearing their addresses have been returned. The two men are Allan Murphy, of Paducah, Ky., and Marvin Shreffler, of Kankakee, Ill. Friends knowing their proper addresses will please correspond with the Technical Editor, Radio Digest, 510 N. Dearborn St., Chicago.

BROADCAST PROGRAMS IN ADVANCE

Saturday, April 10

Headliners Today

Eastern	Central	Mountain	Pacific
7:10 p. m.	6:10 p. m.	5:10 p. m.	4:10 p. m.

WEEI (348.6m-860kc) Slade's Spice family.
7:15 6:15 5:15 4:15
WBZ (333.1m-900kc) Riley program.
8:15 7:15 6:15 5:15
WLS (344.6m-870kc) Birthday party.
8:30 7:30 6:30 5:30
WEAF (491.5m-610kc) Sojourner's club program.
WGBS (315.6m-950kc) Numerology.
WJZ (454.3m-660kc), WGY (379.5m-790kc) Liederkranz concert.
8:45 7:45 6:45 5:45
WIP (508.2m-590kc) Choral society.
10:30 9:30 8:30 7:30
WMCA (340.7m-880kc) Creole follies.
11:10 10:10 9:10 8:10
KGO (361.2m-830kc) "The Bohemian Girl," opera.
11:45 10:45 9:45 8:45
WSB (428.3m-700kc) Hired Help Skylark.
12:45 a. m. 11:45 10:45 9:45
KGO (361.2m-830kc) "A Step On the Stairs," mystery serial.
1 12 m. 11 10
KFI (467m-642kc) Packard Radio club.
KYW (535.4m-560kc) Insomnia club.

Saturday, silent night for: CNRA, CNRC, CNRE, CNRM, CNRR, CNRT, CNRV, CNRW, KFRU, KFUO, KFXF, KMA, KOAC, KOB, KSAC, KSO, KTAB, KUOA, KWSC, WABQ, WAIU, WBAL, WCAL, WCX, WDOD, WEAO, WEBJ, WEBW, WEMC, WGBF, WGCP, WGHP, WGST, WHAD, WHAZ, WHN, WHO, WIP, WJAR, WKAR, WLIT, WLWL, WMAZ, WOS, WRVA, WTAG, WTIC, WWJ.

Eastern Time Stations

CKAC, Montreal, Can. (410.7m-730kc), 7:15 p. m., Windsor hotel dinner hour; 8:30, special entertainment; 10:30, Windsor hotel orchestra, Harold Leonard's Red Jackets.

CKNC, Toronto, Can. (356.9m-840kc), 8 p. m., Charles E. Bodley and his orchestra; Lawrence DeFoe, tenor.

CNRO, Ottawa, Can. (435.8m-688kc), 8 p. m., Chateau Laurier concert orchestra; 9, Cyril J. L. Rickwood, organist; Helen Langdon, cellist; Chateau Laurier dance orchestra.

KDKA, Pittsburgh, Pa. (309.1m-970kc), 6:30 p. m., Westinghouse band concert; 8, farm program; 8:30, Westinghouse band concert.

WBBR, New York, N. Y. (272.6m-1100kc), 8 p. m., Charles Rohner, violinist; 8:20, Fred Twaroschk, tenor; 8:50, Charles Rohner, violinist.

WBZ, Springfield, Mass. (333.1m-900kc), 7 p. m., Capitol theater orchestra; 7:30, evening with "Riley," Dr. D. M. Staley; 7:45, Repertory theater concert orchestra; 8:15, Heinrich Gebhard, Frank E. Norse; 9:15, Dan Nolan, novelty program; 9:30, Arthur Cann, tenor.

WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert; 8:15, Youngstown artists.

WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., Goldkette ensemble.

WEAF, New York, N. Y. (491.5m-610kc), 4-12 midnight, Vincent Lopez and orchestra; Hotel Waldorf-Astoria; Juliette Glassman, pianist; Sojourners' club annual dinner.

WEEI, Boston, Mass. (348.6m-860kc), 7:10 p. m., Slade's Spice Family; 8:10, Lucerne-in-Maine quintet.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra; 8, program, Nina Prettyman Howell, Lewis J. Howell; 8:30, WEAF.

WGBS, New York, N. Y. (315.6m-950kc), 6:30 p. m., Vincent Sorey's trio; 7:30, Mal Hallet's orchestra; 8:40, John Burke, tenor; Rudy Wiedoeft, saxophonist; 9:30, Immanuel choir; 10:10, Carmine Coppola, flutist; 10:30, Arrowhead Inn orchestra.

WGCP, New York, N. Y. (252m-1190kc), 8:30 p. m., Strickland's orchestra; 9, Ukulele Bob McDonald; 9:15, June Lee, singing vagabond; 9:30, Totman and Gallant, banjo duets; 9:45, Jack Davis, songs; 10, studio program; 10:30, Strickland's orchestra.

WGHB, Clearwater, Fla. (265.3m-1130kc), 6:30-7:30 p. m., dinner music; 7:30-7:45, Gilew Quarles, king of the mandalalie; 8:30-9:30, diversified program, Bill Ewin and L. Joys, piano and vocal team; 11:45-1 a. m., WGHB midnight ramble, Graham Prince and his Tar-Heel orchestra.

WGR, Buffalo, N. Y. (319m-940kc), 8:30 p. m., WEAF.

WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., Onondaga hotel; 8:30, Liederkranz concert; 10:30, Hotel Syracuse, WFBL.

WHAR, Atlantic City, N. J. (275.1m-1090kc), 8 p. m., Seaside hotel trio.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin hotel concert orchestra; 8:30, Michele Fonticoli, tenor; 8:45, Knights of Columbus choral society; 10:05, El Patio dance orchestra; 11:05, organ recital.

WLIT, Philadelphia, Pa. (394.5m-760kc), 7:30 p. m., Benjamin Franklin hotel concert orchestra.

WMAK, Buffalo, N. Y. (265.3m-1130kc), 6:15-7:15 p. m., Hotel Lafayette dinner concert; 7:30-8:30, musical program; 8:30-9, musicale; 9-10:30, program; 10:30-11, musical program, Toddy orchestra.

WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Olcott Vail and his Hotel McAlpin string ensemble; 6:30, Parody orchestra; 7, musical program; 8:30, Fourth Annual Food Show; 9:30, E. Ebel, baritone; Cornelius Van Rees, pianist; 9:45, Ethel Ebel, soprano; 10, Norman Pearce, reader; 10:30, Creole Follies; 11, Ernie Golden and his Hotel McAlpin orchestra; 12, McAlpin entertainers.

WNYC, New York, N. Y. (526m-570kc), 7 p. m., Hilda Reich, soprano; 7:35, piano selections; 8, Bill Groen, dulcimer solos; 8:15, songs; 8:45, DeWitt Clinton anniversary dinner; 10, Jefferson dinner of National Democratic club.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Adelphia dinner dance orchestra.

WPG, Atlantic City, N. J. (299.8m-1000kc), 6:45 p. m., Arthur Scott Brook, organist; 7, Hotel Morton dinner music; 8:15, Katz and his Kittens; 9, Hotel Ambassador concert orchestra; 10, Nick Nichols' dance orchestra; 11, Elks home.

WRC, Washington, D. C. (468.5m-640kc), 7 p. m., Hotel Washington orchestra; 8:25, announced; 10:30, Meyer Davis' Swanee syncopators; 11:30-12, organ recital, Otto F. Beck.

WTIC, Hartford, Conn. (475.9m-630kc), 6:50 p. m., Hotel Bond trio; 8, Sunday school period; 8:30, Exchange Clubs of Connecticut; 10:30, Carroll's Palais Royal dance orchestra.

Central Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., dinner concert; 8:30-9:30, artists; 12-2 a. m., orchestra entertainment.

KLDS, Independence, Mo. (440.9m-680kc), 8 p. m., program, Lamoni, Iowa, artists.

KMA, Shenandoah, Ia. (252m-1190kc), 9-11 p. m., musical program.

KMOX, St. Louis, Mo. (280.2m-1070kc), 6 p. m., Arthur L. Utt, organist; 6:30, Mrs. Jacques Landree, organist; 7, orchestra; 8, chamber music; 10, Colonel 6121.

KOIL, Council Bluffs, Iowa (277.6m-1080kc), 6 p. m., Pioneer Radio club; 6:30, McCrory's music period; 7:30, Walter Jenkins, bass; Mrs. W. H. Cutler, soprano; Florence Senior Duerr, pianist; Carlus Laustrup, violinist; Helen McAneny, accompanist; 11, Big Pow-Wow.

KPRC, Houston, Tex. (296.9m-1010kc), 7:30 p. m., Bible class; 8, Frank Tilton, boy pianist; 10, Skyline studio concert; 10:30, Harold Oxley's Warwick hotel orchestra.

KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., Grand Central theater; 9, program.

KTHS, Hot Springs National Park, Ark. (374.8m-750kc), 9-9:45 p. m., variety concert; 9:45-10:30, New Arlington hotel orchestra.

WAMD, Minneapolis, Minn. (243.8m-1230kc), 7:10 p. m., Blue Boys; Harmony Twins.

WBAP, Fort Worth, Tex. (475.9m-630kc), 6-6:30 p. m., Texas hotel orchestra; 9:30-11, Hired Hand's little symphony.

WBBM, Chicago, Ill. (225.4m-1330kc), 8-2 a. m., Alemite orchestra; old-fashioned songs; Barber shop quartet; Two Jays; Charlie Garland; Arison trio; war songs.

Wild, wild women are the Novak Vaudettes, directed by the charming young lady above, Elma Novak. They are known for the exceeding fast and scorching blues expelled into the KGW antenna.

KYW, Chicago, Ill. (535.4m-560kc), 6-6:15 p. m., KDKA; 6:30-7, Congress hotel orchestra; 7:30-9, home-lovers' hour; 9-10, Congress hotel; 11-12, Congress carnival; 12-1 a. m., Insomnia club.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6:15 p. m., dinner concert, Dick Long's Nankin cafe orchestra; 8:15, musical program; 10:05, Dick Long's Nankin cafe dance orchestra.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., School of the Air; Trianon ensemble; 11:45-1 a. m., Nighthawk frolic.

WEBH, Chicago, Ill. (370.2m-810kc), 7-8 p. m., Oriole orchestra; Sunday school lesson; string trio; Howard Neumiller, pianist; 9-9:15, news; 9:15-10, Oriole orchestra; James Murray, tenor; Kay Ronayne; marimba band; 11, Oriole orchestra; 12, James Murray, tenor; 1 a. m., Frank Greif, songs; 2, trombone duo.

WFAA, Dallas, Tex. (475.9m-630kc), 6:30-7:30 p. m., Jimmy's Joys; 8:30-9:30, Mrs. Albert E. Smith, soprano; Mrs. Howard Parks, contralto; 11-12, Jack Gardner's orchestra.

WGN, Chicago, Ill. (302.8m-990kc), 6:30-6:45 p. m., Drake concert ensemble, Blackstone string quintet; 6:45-6:55, old-time favorites; 6:55-7, "The Million Sing"; 8-8:10, Auld Sandy; 8:10-8:30, Drake concert ensemble, Blackstone string quintet; 8:30-9:30, light opera quartet; 9:30-10, Hawaiian music; 10, Sam 'n' Henry; 10:10, old-time favorites; 10:20, play shop; 10:40-11, studio ensemble.

WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., Royal Peacock concert orchestra.

WHT, Chicago, Ill. (399.8m-750kc), 6 p. m., classical program; Al Carney, organist; Grayling's string trio; W. A. Dyckman, basso; Leola Aikman, soprano; Hugh Aspinwall, tenor; (238m-1260kc) 7:45-9:15, musical features, Cinderella cafe orchestra; (399.8m-750kc) 9:30, Kitchen Klenzer program; 9:50, symphony; 10:30, Cinderella cafe orchestra; 12, Your Hour league, Pat Barnes and Al Carney.

WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., dinner concert; Marie Fay, soprano; George Hancher, baritone; Henry Corbin, baritone; WIBO string trio.

WJJD, Mooseheart, Ill. (370.2m-810kc), 5:30-7 p. m., dinner hour; 8-9, Palmer House Victorians; 10-11, Palmer House Victorians; 12-1 a. m., Palmer House Victorians; Jack Nelson.

WKRC, Cincinnati, Ohio (422.3m-710kc), 10 p. m., Virginians; 10:30, studio features; 11, Sam Jones, mouth organist; 11:15, Ace Brigode and his Virginians.

WLIB, Chicago, Ill. (302.8m-990kc), 7:30-8 p. m., musical program; 11-11:20, Correll and Gosden; 11:20-1 a. m., studio ensemble, dance music, harmony duos.

WLS, Chicago, Ill. (344.6m-870kc), 7 p. m., Ford and Glenn; 7:15-12, birthday program.

WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., organ concert, Johanna Grosse; 7:30, Meeting of the Sekatary Hawkins Radio club; 8, Paul Hilling, blind pianist; 8:30, "A Step On the Stairs," sixth installment; 9, dance selections, Castle Farm.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater orchestra; 6:30, Hotel LaSalle orchestra; 9, Chicago theater Radio revue.

WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon ensemble; Edwin House, baritone; Franklin Kidd, tenor; 9-11, Trianon orchestra; Woodlawn theater orchestra; ensemble; Farmer Gray, Willie Horowitz, McFawn and Beiber, harmony duo; Andy Anderson, Ted Graham, popular program.

WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Dr. George Powers, tenor.

WOAW, Omaha, Nebr. (526m-570kc), 6:15 p. m., Herb Feierman and his orchestra; 8, "A Step On the Stairs"; 9, Funcasters; 10:30, Nightingale orchestra.

WOC, Davenport, Iowa (483.6m-620kc), 7:30 p. m., Sojourners' club, WEAF; 11-12, LeClaire hotel orchestra; Peter MacArthur, baritone.

WOK, Chicago, Ill. (217.3m-1380kc), 10-1 a. m., Tearney's Town Club orchestra; Carl Lorraine's Pershing Palace orchestra; Husk O'Hare's Cocoanut Grove orchestra; Capitol theater program; 1-2, frolic.

WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9-10 p. m., Elizabeth Barker Van Campen hour of music; 10-12, Roy Clark, P. R. Jeffery, Harold DeWindt, Paul Witte.

WORD, Batavia, Ill. (275.1m-1090kc), 7 p. m., Webster hotel concert; 9, musicale.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Ralph Williams and concert orchestra; John Zwick, concert pianist; Kane McDuffee, whistler; 10-3 a. m., Ralph Williams and Skylarks; Jerry Sullivan, Rose Vanderbosch; Hal Lansing and his uke; Oxford Girls, harmony singers; West Brothers, Hawaiian guitarists; Melodians, artists.

WRR, Dallas, Texas (245.8m-1220kc), 6-7 p. m., Jack Gardner's orchestra; 8-9, musicale; 12-1 a. m., George Perfect, organist.

WSAI, Cincinnati, Ohio (325.9m-920kc), 7:15 p. m., chimes; 7:30, WEAF; 10:15, Bicycle playing card sextet; 12, Freda Sanker's orchestra.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., Atlanta Atwater Kent hour; 10:45, Hired Help Skylark.

WSM, Nashville, Tenn. (282.8m-1060kc), 6:30 p. m., Francis Craig's orchestra; 8, barn dance.

WSOE, Milwaukee, Wis. (245.8m-1220kc), 9 p. m., Lake front studio musicale.

WSUI, Iowa City, Iowa (483.6m-620kc), 7:30 p. m., musical program.

Mountain Time Stations

KFWA, Ogden, Utah (260.7m-1150kc), 9-10 p. m., Olie Reeves and his orchestra; 10-11, Merry Made Music makers; 11-12, orchestra.

KFXF, Colorado Springs, Colo. (250m-1200kc), 9 p. m., Hammond's Cottage City dance orchestra.

KOA, Denver, Colo. (322.4m-930kc), 9 p. m., Harmony Peerless orchestra; 10:15, Scheuerman's Colorado orchestra.

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 6:30 p. m., vest pocket program; 6:45, Radiotorial period; 7-8, Al Wesson and his orchestra; 8-9, composers' series, arranged by Virginia Flohri; 9-10, varied program; 10-11, Packard Radio club; 11-3 a. m., KFI midnight frolic.

KFON, Long Beach, Calif. (232.4m-1280kc), 7-7:30 p. m., studio program; 7:30-9, Long Beach municipal band; 9-11, KFON artists' frolic; 11-12, State theater organ.

KFWB, Hollywood, Calif. (252m-1190kc), 8-9 p. m., Ray Bailey's trio; Eunice Wynn, soprano; 9-11, Warner Brothers' syncopators and entertainers.

KGO, Oakland, Calif. (361.2m-830kc), 4-5:30 p. m., Hotel St. Francis concert orchestra; 8:10, "Bohemian Girl," opera in three acts; Albert Gillette, baritone; Robert Saxe, tenor; Waldemar Engberg, bass; Edwin Heinsohn, baritone; Grace LePage, soprano; Eva Atkinson, soprano; Robert Rourke, violinist; 9:45, mystery serial, "A Step On the Stairs," seventh episode; 10-12, Madson's Midshipmen, dance orchestra.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., Olds, Wortman and King company; 10-12, Indian grill.

KHJ, Los Angeles, Calif. (405.2m-740kc), 8-10 p. m., Times de luxe presentation.

KJR, Seattle, Wash. (384.4m-780kc), 8:30-10 p. m., L. C. Warner company studio program.

KMTR, Hollywood, Calif. (238m-1260kc), 6-7 p. m., Starr Piano company studio; 8-10, KMTR concert orchestra; Ralina Zarova, Russian soprano.

KNX, Hollywood, Calif. (336.9m-890kc), 6:30-7 p. m., Atwater Kent orchestra; 7:30-8, studio program; 8-9, program, John A. Vaughn corporation; 9-10, W. W. Rainey organization; 10-11, Ambassador hotel dance orchestra; 11-2 a. m., Filmland frolic.

KOWW, Walla Walla, Wash. (256.3m-1170kc), 8-12 midnight, dance music.

KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7:20 p. m., States restaurant orchestra; 8-11, Fairmont hotel dance orchestra; Maurice Gunsky, tenor; Merton Bories, pianist; soloists; 11-12, Henry Halstead's orchestra.

KPSN, Pasadena, Calif. (315.6m-950kc), 8-9 p. m., Star-News concert; 9-10, Maryland hotel dance orchestra.

High Lights of the Air

SATURDAY evening may be pleasantly spent by tuning in for WBZ, Springfield, and enjoying the children's verse of Riley as given by Dr. D. M. Staley. Or the listener preferring something more mysterious will at last discover the new method of fortune telling called Numerology. WGBS will prove that there is more to numbers than the ill luck of thirteen or the luck of three and seven.

Moussorgsky's famous song about the devil in a wine cellar, and the "monstrous flea" owned by a legendary king, will be featured on the KGO Little Symphony orchestra program Sunday afternoon, April 11, at 3:30 p. m. Central time. Albert Gillette, dramatic baritone, will be the soloist.

"Northwest Indian Music," is the title of the illustrated talk by Prof. Paul C. Phillips at KUOM, Missoula, Montana, Monday evening. Original melodies of the Indians of this section will be played. Radio is responsible for a revival of interest in the music of these early Americans. "The Life of Everyman," given with a special musical background is the literary event at KUOA, University of Arkansas this same evening.

Chicagoans remembering the aviation tests with Radio last year over WLS will not be as thrilled as will fans in other parts of the United States Tuesday when Lieut. John Macready, transcontinental aviator, broadcasts from an altitude of 5,000 feet. His talk will be sent out over the microphone of WLW. A Kansas City event of importance during the evening, although given on terra firma, is the program by the Southern Melody Makers of WHB.

Ann Pennington, famous as a dancer, will be interviewed at WOR Wednesday by Alice Beal Parsons, noted feminist. Miss Pennington is in New York at the present time making a series of pictures to be known as "Sally Runs Wild." Russian dance music has been poular since the successful tour of Russian players in Chauve Souris. A program of this fascinating music will be the Wednesday feature of KDKA.

One of Samuel Coleridge-Taylor's best known compositions, "The Death of Minnehaha," will be given by the Travelers Choral club at WTIC, Hartford, Thursday evening. The words of this composition were taken from Longfellow's familiar "Hiawatha." The melodies are typical of Coleridge-Taylor, whose power of characterization in music has given him a unique place among modern composers as a tone-poet.

An opera a month is being put on at WBAL, Baltimore. Friday, April 16, the opera to be broadcast is "Il Pagliacci." Among the important singers to take part are Elsa Baklor, John Wilbourn, George M. Castelle, Connor Turner and Paul Nachlas.

WBZ TO FEATURE RILEY'S POETRY

Sunday, April 11

Headliners Today

Eastern	Central	Mountain	Pacific
5 p. m.	4 p. m.	3 p. m.	2 p. m.
WTIC (475.9m-630kc) Organ recital.			
8:30	7:30	6:30	5:30
WBZ (333.1m-900kc) Priscilla quartet.			
9	8	7	6
WJZ (454.3m-660kc) American orchestral concert.			

"A Ukulele Lady" much beloved of WGHP is Gladys Sanderson, above. She will play this Thursday on the 10 p. m. program of this Detroit station.

9:15	8:15	7:15	6:15
WEAF (491.5m-610kc), WEEI, WCAP, WFI, WJAR, WGR, WCAE, WSAI, WWJ, WOC, WCCO, WGN, WEAR, KSD, WTAG, Atwater Kent program.			
10	9	8	7
KMOX (280.2m-1070kc) Skouras Sunday night club.			
10:15	9:15	8:15	7:15
WCAU (277.6m-1080kc) American Radio hour.			
11	10	9	8
WHJ (405.2m-740kc) Sunday Evening classical concert.			
KTHS (374.8m-800kc) Arkansas Traveler Special train.			
WKRC (422.3m-710kc) Classical program.			
12 m.	11	10	9
WFAA (475.9m-630kc) MacDowell Sisters.			
12:15 a. m.	11:15	10:15	9:15
WHB (365.6m-820kc) College night.			

Sunday, silent night for: CFAC, CHIC, CKAC, CKNC, CNRA, CNRC, CNRE, CNRM, CNRO, CNRR, CNRT, CNRV, CNRW, KFAB, KFAU, KFOA, KFWA, KFXF, KLX, KMA, KMTR, KOAC, KOB, KOWW, KSAC, KSO, KWSC, WABQ, WAHG, WAIU, WCAU, WDAF, WEAO, WEBJ, WEBW, WFI, WGBF, WGHB, WGHP, WHAS, WHAZ, WJAZ, WJJD, WJR, WKAF, WKAR, WMAQ, WMAZ, WMC, WNYC, WOI, WOOD, WRC, WRVA, WSB, WSM, WTAM.

Eastern Time Stations

CFCA, Toronto, Can. (356.9m-840kc), 11 a. m., Timothy Eaton Memorial church.

CHIC, Toronto, Can. (356.9m-840kc), 5 p. m., George H. Graham, organist.

CKAC, Montreal, Can. (410.7m-730kc), 2:45 p. m., Capitol theater hour; Jerry Shea's symphony; vocal selections, specialties; jazzing up the organ, Buddy Payne.

KDKA, Pittsburgh, Pa. (309.1m-970kc), 11 a. m., services; 4 p. m., organ recital, Charles Heinroth; 4:45, Shadyside Presbyterian church; 6:30, dinner concert; 7:15, chimes, Calvary Episcopal church; 7:45, services.

WADC, Akron, Ohio (258.5m-1160kc), 12:30 p. m., organ recital, Allen theater; 6:30, dinner concert, Carnes Richards Hotel Portage quintet.

WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., WBAL concert orchestra.

WBBR, New York, N. Y. (272.6m-1100kc), 10 a. m., violin and viola duets; 10:15, Sunday school lesson; 10:35, F. Kleinhans, baritone; I. B. S. A. choral singers; 11:30, choral singers, duets; 2 p. m., Watchtower orchestra; F. Kleinhans, baritone; 9, Watchtower string quartet.

WBZ, Springfield, Mass. (333.1m-900kc), 10:50 a. m., Trinity church; 6 p. m., Ary Dolfer, violinist; Alexander Blackman, violist; George Brown, cellist; Hans Ebell, pianist; 7, Copley Plaza orchestra; 8:50, Priscilla quartet; 9:15, "The Lost Word," Dr. D. M. Stated; Bostonia trio.

WCAE, Pittsburgh, Pa. (461.3m-650kc), 4 p. m., WEAF; 6:30, dinner concert, William Penn hotel; 7:20, WEAF; 9:15, WEAF.

WCAP, Washington, D. C. (468.5m-640kc), 11 a. m., Wallace Memorial United Presbyterian church; 4 p. m., Bethlehem chapel; 6:20-7:20, chamber music; 7:20-9:15, Capitol theater; 9:15-10:15, WEAF.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 11 a. m., First Unitarian church services; 5 p. m., recital; 5:15, church services; 5:25, "Why Are Books So Worth While?" Rev. John W. Stockwell; 5:35, recital; 5:45, "The Hidden Host," Rev. John W. Stockwell; 6:45, Clarence Seaman and his Pennsylvania orchestra; 7:45, Cathay Tea Garden orchestra; 8:30, Barry O'Moore and the Borwit Teller ensemble; 10:15, American Radio hour.

WCX, Detroit, Mich. (516.9m-580kc), Service.

WEAF, New York, N. Y. (491.5m-610kc), 2-3 p. m., Greater New York Federation of Churches; 3-4, young people's conference, chain of stations; 4-5:30, Y. M. C. A.; 5:30-6, musicale; 6-7, studio orchestra; 7-7:20, chamber musicale; 7:20-9:15, Capitol theater, chain; 9:15-10:15, Atwater Kent Radio hour, Frieda Hempel, soprano, chain.

WEEI, Boston, Mass. (348.6m-860kc), 6 p. m., Jordan Marsh Company's Sparkling Diamonds; 7:20, Capitol theater, WEAF; 9:15, WEAF.

WFI, Philadelphia, Pa. (394.5m-760kc), 4:30 p. m., Federation of Churches; 7:30, Arch Street Presbyterian church services; 9:15, WEAF, Frieda Hempel, soprano; Lino Balough, pianist; Louis P. Fritze, flutist.

WGHP, Detroit, Mich. (270.1m-1110kc), 11 a. m., Gross Pointe Presbyterian church.

WGR, Buffalo, N. Y. (319m-940kc), 10:45 a. m., Westminster Presbyterian church; 7:45 p. m., Central Presbyterian church; 9:15, WEAF.

WGY, Schenectady, N. Y. (379.5m-790kc), 11 a. m., Madison Avenue Reformed church; 12:30 p. m., Symphony society concert, WJZ; 3, Syracuse, WFBL, WHAM; 4:30, Elmer A. Tidmarsh, organist; 7:45, Madison Avenue Reformed church; 9, WJZ; 10, WJZ.

WHAR, Atlantic City, N. J. (275.1m-1090kc), 10:45 a. m., Chelsea Baptist church; 2:15 p. m., sacred recital, Seaside hotel trio; 7:50, Chelsea Baptist church; 9, with the classics, Seaside hotel ensemble.

WHN, New York, N. Y. (361.2m-830kc), 11:30-12:30 p. m., Calvary morning services; 12:30-1, Lexington organ recital; 2-3, Christian Endeavor program; 3-4:30, Bible class; 5-5:30, Roseland dance orchestra; 7:30-9:45, Calvary evening services; 10:15-10:45, Anatol Friedland; 10:45-11:15, Janssen's Hofbrau Haus orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 7:15 p. m., Holy Trinity church; 9:30, Germantown theater.

WJZ, New York, N. Y. (454.3m-660kc), 11 a. m., St. Thomas Episcopal church; 12:30 p. m., Sunday symphonic society; 2:30, Sunday Radio forum; 3:30, Empress of Scotland orchestra; 3:55, St. George's vesper service; 7, Hotel Pennsylvania concert orchestra; 8, Bakelite hour; 9, American orchestral concert; 10, Godfrey Ludlow, violinist.

WLIT, Philadelphia, Pa. (394.5m-760kc), 2 p. m., Arcadia cafe concert orchestra; 6:30, Benjamin Franklin organ recital; 7, Benjamin Franklin concert orchestra.

"A Step On the Stairs," the thrilling mystery play, is being given in Washington, D. C., by the WRC players, above. Seated from left to right are: Maurice Joyce, Madge Tucker, director of the WRC players, John Davenport Long. Standing are: Jean Farnam Peterson, Edward B. Husing, Martin Scranage.

WLWL, New York, N. Y. (288.3m-1040kc), 8 p. m., Paulist choristers' services.

WMAK, Buffalo, N. Y. (265.3m-1130kc), 10:25 a. m., First Presbyterian church; 7:30 p. m., Churchill tabernacle.

WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Roemer's Homers; 7, Ernie Golden and his Hotel McAlpin orchestra; 7:30, Olcott Vail and his Hotel McAlpin string ensemble; 8, Mayolians; 9:15, Parody orchestra; 10:30, Twin Oaks orchestra.

WOO, Philadelphia, Pa. (508.2m-590kc), 10:30 a. m., Bethany Presbyterian church; 2:30 p. m., musical exercises, Bethany Sunday school; 6, organ recital, Clarence Bawden.

WPG, Atlantic City, N. J. (299.8m-1000kc), 3:15 p. m., Arthur Scott Brook, organist; 4:15, St. James' Episcopal church; 9:15, Hotel Ambassador concert orchestra; 10, Master Barbers' association; 10:45, Arthur Scott Brooks, organist; Crescendo club chorus.

WTAG, Worcester, Mass. (267.7m-1120kc), 7:20-9:15 p. m., WEAF; 9:15-10:15, WEAF.

WTIC, Hartford, Conn. (475.9m-630kc), 5 p. m., M. Bozyan, organist.

WWJ, Detroit, Mich. (352.7m-850kc), 10 a. m., First Presbyterian church; 2 p. m., Detroit News orchestra; 4, organ recital; 7:20, WEAF; 9:15, WEAF.

Central Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 4-5 p. m., vesper service; 9-11, musicale.

KFRU, Columbia, Mo. (399.8m-750kc), 7:30 a. m., sunrise service, quartet; 9:30, Burral Bible class; 7:30 p. m., Columbia Baptist church.

KLDS, Independence, Mo. (440.9m-680kc), 11 a. m., Stone church services; 4 p. m., special Stone church services; choir; Elizabeth Hitchcock, organist; 8, Mendelssohn's "Elijah," Messiah choir; Robert Miller, organist; Pauline Etzenhouser, pianist.

KMOX, St. Louis, Mo. (280.2m-1070kc), 9 p. m., Missouri theater.

KOIL, Council Bluffs, Iowa (277.6m-1080kc), 11 a. m., First Congregational church; 4 p. m., St. Paul's Episcopal choir; 7, sleepy time girl, Bernice Clizbe; 7:30, Monarch; 11, Hotsy Totsy hour.

KPRC, Houston, Tex. (296.9m-1010kc), 10:45 a. m., church; 2:30 p. m., chapel service; 4:30, matinee; 7, Chicago Sunday Evening club, Henry Van Dyke; 9:30-11, classical concert.

WAMD, Minneapolis, Minn. (243.8m-1230kc), 10:30 a. m., First Unitarian church; 6:15 p. m., dinner concert; 6:45, stock company; 9:30, Gould banjo club.

WBAP, Ft. Worth, Texas (475.9m-630kc), 5-6 p. m., sacred concert; 9:30-11, Texas hotel orchestra.

WBBM, Chicago, Ill. (225.4m-1330kc), 4-6 p. m., Sunday matinee; 8-10, Alemite orchestra; Pauline Stiffler Atlass, violinist; 12-2, Nutty club.

WCBD, Zion, Ill. (344.6m-870kc), 8 p. m., Treble Clef chorus, male quartet; Ralph Bull and E. Paxton, duettists; Mrs. Bird, Miss Donovan, duettists; Mark Whiteside, baritone; duets, Mr. and Mrs. Steel; reader, pianist.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 10:50 a. m., Westminster Presbyterian church; 3 p. m., Bible study; 4:10, House of Hope Presbyterian church; 6:20, Second Church of Christ, Scientist; 8:15, WEAF.

WDAF, Kansas City, Mo. (365.6m-820kc), 3-4 p. m., mixed quartet, Christian church, Olathe, Kan.; 4-4:45, Sabbath vespers, International Bible Students association.

WEBH, Chicago, Ill. (370.2m-810kc), 10:40-12 noon, Seventh Church of Christ, Scientist; 5-6 p. m., twilight musicale; 7-9, news; Oriole orchestra; artists.

WEMC, Berrien Springs, Mich. (285.5m-1050kc), 11 a. m., Trinity studio choir; vocal duets, Thelma Abel, Harlan Abel; 11:50, Prescott Fairchild, violinist; 8:15 p. m., piano prelude, Agnes Sorenson; Trinity studio choir; Cardinal quintet; 8:55, sermon; 9:10, A. A. Fellows, soprano.

WFAA, Dallas, Tex. (475.9m-630kc), 6-7 p. m., Radio Bible class; 7:30-8:30, City temple; 8:30-9:30, Leland Johnson, pianist; 11-12, MacDowell Sisters.

WGN, Chicago, Ill. (302.8m-990kc), 6:30-6:45 p. m., musical program; 6:45, old-time favorites; 6:55, "The Million Sing"; 7-8:15, Drake concert ensemble, Blackstone string quintet; 8:15, WEAF; 9:15, old-time music room; 10, Sam 'n' Henry; 10:10, old-time favorites; 10:20-11, musical program, ensemble; Charlie Straight's Rendezvous orchestra.

WHAS, Louisville, Ky. (399.8m-750kc), 9:57 a. m., organ prelude; 10, Broadway Baptist church; H. Goodwin, organist; choir; 4:30-5:30 p. m., evensong choral service, Christ Church cathedral; Ernest Simon, organist; boys' choir.

WHB, Kansas City, Mo. (365.6m-820kc), 9:45-10:45 a. m., Linwood Boulevard Christian church; Mrs. Fred Bishop, organist; Nora LaMarr Moss, contralto soloist; 1:15-2:30 p. m., Independence Boulevard Christian church; Hans Feil, organist; 8-9:15, services; 11:15-1 a. m., special college night program, selections from colleges, fraternities, sororities; Morrill Moore, organist.

WHO, Des Moines, Iowa (526m-570kc), 11 a. m., St. Ambrose cathedral; 4 p. m., Algona men's glee club; 5-6, Bankers Life trio; Myrtle Williams, soprano; Stewart Watson, baritone; 7:30-8:15, Fourteenth Cavalry band; 11-12, Bankers Life little symphonic orchestra.

WHT, Chicago, Ill. (399.8m-750kc), 11:30-12 p. m., Paul Rader.

WIBO, Chicago, Ill. (225.4m-1330kc), 2-4 p. m., concert, Sigma chapter, Mu Psi Epsilon fraternity; 6-8, dinner concert, string trio; Ruth Ford, contralto; Robert Wessling, baritone; Helen Snyder, soprano; Bob York, tenor; 10-12, popular program, Marie Tully, songs; Wayne Myers, monologist; vocal numbers; Melody Three.

WJJD, Mooseheart, Ill. (370.2m-810kc), 7:45 a. m., Catholic services; 9:40-10:30, Protestant services; 3 p. m., Mooseheart Sunday concert.

WKRC, Cincinnati, Ohio (422.3m-710kc), 6:45 p. m., Walnut Hills Christian church; 10, classical program; 11:15, Ace Brigode and his Virginians.

WLIB, Chicago, Ill. (302.8m-990kc), 5-6:30 p. m., chamber music.

WLS, Chicago, Ill. (344.6m-870kc), 6 p. m., prelude; 6:30, Little Brown church.

WLW, Cincinnati, Ohio (422.3m-710kc), 11 a. m., Seventh Presbyterian church, Jesse Halsey, minister; 4 p. m., organ recital; 7:30, services, Emmaus Evangelical Lutheran church; 8:30, concert, H. and S. Pogue company; George Conver, tenor.

WMBB, Chicago, Ill. (249.9m-1200kc), 3-5 p. m., Trianon orchestra; Woodlawn theater orchestra; Eugene Plotnik, Bob Duffy, Ted Graham, Andy Anderson, Bob Bennett; semi-classical operatic program; 7:40-9, Fifth Church of Christ, Scientist; 9-11, Trianon orchestra; Woodlawn theater orchestra; Arvid Anderson, baritone; Scotty Welch and Madison Sisters; Ed Wallace, tenor; Tracy and Duncan, Matts and Donovan, popular program.

WMC, Memphis, Tenn. (499.7m-600kc), 11 a. m., St. Mary's Episcopal cathedral.

WNAD, Norman, Okla. (254.1m-1180kc), 9:30 p. m., vocal selections, Dorothy Patswold; Frances Brixey, pianist.

WOAI, San Antonio, Tex. (394.5m-760kc), 11 a. m., First Presbyterian church; 7:30 p. m., Central Christian church; 9:30, hour of music.

WOAW, Omaha, Nebr. (526m-570kc), 6 p. m., Bible study period; 9, Cross Lutheran church.

WOC, Davenport, Iowa (483.6m-620kc), 1-2:30 p. m., old folks' musicale; 6:30-7, United Presbyterian church; 8:15-9:15, WEAF; 10-11:30, Palmer little symphony.

WOK, Chicago, Ill. (217.3m-1380kc), 6 p. m.-1 a. m., Tearney's Town Club orchestra; Carl Lorraine's Pershing Palace orchestra; Husk O'Hare's Cocoanut Grove orchestra; Capitol theater musical program; program.

WORD, Batavia, Ill. (275.1m-1090kc), 2:30 p. m., Chicago Rapid Transit company; 6, I. B. S. A. evensong service; 9:30, Oscar A. Olson; 10:45, Bible lecture.

WOS, Jefferson City, Mo. (440.9m-680kc), 9:30 a. m., Christian church; 5 p. m., Christian church; 7:30, First Presbyterian church.

WQJ, Chicago, Ill. (447.5m-670kc), 10-12 noon, Peoples church, choir, Clarence Eddy, organist; 3-4 p. m., Resurrection choir; Katherine McDevitt, pianist; 8-10, Ralph Williams and his concert orchestra; Lena Kirk, soprano; Otto Moore, baritone; Fontella trio; Henry Weise, violinist; F. Clark, tenor.

WSAI, Cincinnati, Ohio (325.9m-920kc), 3-4:30 p. m., WEAF; 7:45, chimes; 8:15, WEAF.

WSB, Atlanta, Ga. (428.3m-700kc), 5 p. m., Grant Park Baptist church choir; 7:30, Second Baptist church.

WSM, Nashville, Tenn. (282.8m-1060kc), 7:30 p. m., Princess theater.

WSOE, Milwaukee, Wis. (245.8m-1220kc), 8:30 a. m., service, Rev. F. B. Dunkley; 7:30, M. E. church.

WSUI, Iowa City, Iowa (483.6m-620kc), 4 p. m., vesper service; University orchestra, chorus; 9:30, hymns, Celeste Fuhrmann.

Mountain Time Stations

CFAC, Calgary, Can. (435.8m-688kc), 7:15 p. m., First Baptist church.

KFXF, Colorado Springs, Colo. (250m-1200kc), 11 a. m., First Presbyterian church; 7:30 p. m., First Methodist church.

KOA, Denver, Colo. (322.4m-930kc), 11 a. m., Augustana Lutheran church; 3 p. m., Augustana church musicale; 7:30, Augustana Lutheran church.

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-7:30 p. m., Grebe Synchrophase string ensemble; 7:30-8, program by Robert Hurd; 8-9, Dan L. McFarland, organist; 9-10, Movieland dance orchestra; Mert Denman and his uke; 10-11, Packard Six dance orchestra.

KFON, Long Beach, Calif. (232.4m-1280kc), 6:30-7:30 p. m., program, Prest and Dean Electric company; 7:45-9, First Church of Christ, Scientist; 9-11, classical program; 11-12, Helene Smith, Freddy Carter.

KFWB, Hollywood, Calif. (252m-1190kc), 9-11 p. m., Warner Brothers' Sunday night movie frolic, Jack Smith's dance orchestra and others.

KGO, Oakland, Calif. (361.2m-830kc), 11 a. m., First Congregational church services; 3:30 p. m., KGO little symphony orchestra; 7:45, First Congregational church service; James Isherwood, baritone; Earl Towner, organist.

KGW, Portland, Ore. (491.5m-610kc), 10:25-12 noon, First Presbyterian church; 7:30-9 p. m., East Side Baptist church; 9-10, Chevrolet symphony orchestra.

KHJ, Los Angeles, Calif. (405.2m-740kc), 4-5 p. m., Masonic service; 7-8, First Methodist Episcopal church; 8-10, Times Sunday evening concert.

KJR, Seattle, Wash. (384.4m-780kc), 11-12:30 p. m.,

EDUCATIONAL FEATURES

Monday, April 12

Eastern	Central	Mountain	Pacific
6:30 p. m.	5:30 p. m.	4:30 p. m.	3:30 p. m.
WNYC (526m-570kc) German lessons, V. H. Berlitz.			
7	6	5	4
WEAF (491.5m-610kc) Columbia university lecture.			
8:15	7:15	6:15	5:15
KDKA (309.1m-970kc) University of Pittsburgh.			
8:20	7:20	6:20	5:20
WNAD (254.1m-1180kc) Talk, U. of Oklahoma.			
8:30	7:30	6:30	5:30
WSUI (483.6m-620kc) College of the Air.			
8:40	7:40	6:40	5:40
KFKU (275.1m-1090kc) "Beginning and Early History of Life on the Earth," Dr. R. C. Moore.			
9:30	8:30	7:30	6:30
WHAZ (379.5m-790kc) Address, Prof. T. R. Lawson.			
10:30	9:30	8:30	7:30
KWSC (348.6m-860kc) "History of the Northwest," Dr. E. A. Bryan.			
12:15 a. m.	11:15	10:15	9:15
KGO (361.2m-830kc) "Character Training in the Home," W. G. Paden.			
12:30	11:30	10:30	9:30
KGO (361.2m-830kc) Speech improvement, Mabel S. Gifford.			

Tuesday, April 13

Eastern	Central	Mountain	Pacific
6:45 p. m.	5:45 p. m.	4:45 p. m.	3:45 p. m.
WGBS (315.6m-950kc) Art series, Prof. George Cox.			
7	6	5	4
WKAR (285.5m-1050kc) Nature study.			
7:10	6:10	5:10	4:10
WRC (468.5m-640kc) Radio school of international relations.			
7:30	6:30	5:30	4:30
WBZ (333.1m-900kc) Journalism, Edward E. Whiting.			
WGY (379.5m-790kc) "How Old Is the Earth?" Prof. E. S. C. Smith.			
8:15	7:15	6:15	5:15
KDKA (309.1m-970kc) "Historical Anniversaries of 1926," Dr. John W. Oliver.			
8:20	7:20	6:20	5:20
WNAD (254.1m-1180kc) Talk, U. of Oklahoma.			
10	9	8	7
WMAQ (447.5m-670kc) Lecture, University of Chicago.			

Wednesday, April 14

Eastern	Central	Mountain	Pacific
6:30 p. m.	5:30 p. m.	4:30 p. m.	3:30 p. m.
WNYC (526m-570kc) Spanish lesson, V. H. Berlitz.			
7:30 p. m.	6:30 p. m.	5:30 p. m.	4:30 p. m.
WMCA (340.7m-880kc) Spanish lesson.			
7:40	6:40	5:40	4:40
WTAG (267.7m-1120kc) Spanish lesson, Mrs. John De La Parra.			
8	7	6	5
WNAD (254.1m-1180kc) U. of Okla.			
8:30	7:30	6:30	5:30
WSUI (483.6m-620kc) College of the Air.			
9	8	7	6
WMAQ (447.5m-670kc) Lecture, Northwestern university.			
11	10	9	8
WSAI (325.9m-920kc) U. of Cincinnati.			

Thursday, April 15

Eastern	Central	Mountain	Pacific
7 p. m.	6 p. m.	5 p. m.	4 p. m.
WKAR (285.5m-1050kc) Nature study series.			
8	7	6	5
WGST (270.1m-1110kc) "Freshman Orientation," Prof. Floyd Fields.			
8:30	7:30	6:30	5:30
WSUI (483.6m-620kc) Correspondence courses.			
9	8	7	6
KUOA (299.8m-1000kc) Lectures, University Extension.			
10	9	8	7
KUOM (243.8m-1230kc) "Labor Economics," Dr. J. M. Underwood.			
WMAQ (447.5m-670kc) Lecture, University of Chicago.			

Friday, April 16

Eastern	Central	Mountain	Pacific
6:30 p. m.	5:30 p. m.	4:30 p. m.	3:30 p. m.
WNYC (526m-570kc) French lesson.			
7	6	5	4
WJZ (454.3m-660kc) New York university course.			
WKAR (285.5m-1050kc) Nature study series.			
7:35	6:35	5:35	4:35
WGY (379.5m-790kc) French lesson, Leon A. Huguemont.			
10:15	9:15	8:15	7:15
WTIC (475.9m-630kc) Cartoon lessons, Bud Kingston.			
10:30	9:30	8:30	7:30
KWSC (348.6m-860kc) "The Sense Organs," Dr. Cooley.			
10:45	9:45	8:45	7:45
KOAC (280.2m-1070kc) "How the Earth Came into Existence," D. C. Livingston.			
11	10	9	8
KOAC (280.2m-1070kc) "Birds as Neighbors," Dr Florence S. Hague.			

SOUTHERN MELODY MAKERS AT WHB

Sunday, April 11

First M. E. church; 5-6, Renfro-Wadenstein's Spargur string quartet; 7:15-7:30, organ recital, Mrs. Montgomery Lynch; 7:30-9, First M. E. church; 9-10:30, orchestra.

KNX, Hollywood, Calif. (336.9m-890kc), 6:30-7 p. m., Unitarian church; 8-9, First Presbyterian church; 9-10:30, program, Beverly Hills Nurseries.

KPSN, Pasadena, Calif. (315.6m-950kc), 8:45-9:45 p. m., Maryland artists' ensemble.

KPO, San Francisco, Calif. (428.3m-700kc), 9:45-10:45 a. m., undenominational and non-sectarian church service; 5-6 p. m., organ recital, Marshall Giselman; 6-6:30, States restaurant orchestra; 6:35-8:35, Palace hotel concert orchestra; 8:35-10, Rudy Seiger's Fairmont hotel orchestra; 10-12, Henry Halstead's orchestra.

KTAB, Oakland, Calif. (239.9m-250kc), 9:45 a. m., Bible lecture, Prof. E. G. Linsley; 11, service; 7:45 p. m., service; 9:30-11, concert.

Monday, April 12

Headliners Today

Eastern	Central	Mountain	Pacific
7:45 p. m.	6:45 p. m.	5:45 p. m.	4:45 p. m.

WGY (379.5m-790kc) Servoss choral club.

9 8 7 6

KDKA (309.1m-970kc) Ruud Light opera hour.

KUOA (299.8m-1000kc) Special program, "The Life of Everyman."

9:15 8:15 7:15 6:15

WEMC (285.5m-1050kc) Sacred program.

10 9 8 7

KGW (491.5m-610kc) "Australia," talk.

KMOX (280.2m-1070kc) Operalogue, "Traviata."

WEAF (491.5m-610kc), WOO, WCAE, WJAR, WCAP, WTAG, WTIC, WSAI, Grand opera, "Rigoletto."

WJZ (454.3m-660kc) String quartet.

WOOD (241.8m-1240kc) "The Haunted Chamber," play.

KUOM (243.8m-1230kc) "Northwest Indian Music."

10:30 9:30 8:30 7:30

KPRC (296.9m-1010kc) McFarland-Cochran trio.

11 10 9 8

WHAZ (379.5m-790kc) Students' orchestra.

WTIC (475.9m-630kc) Symphonic ensemble.

WOOD (241.8m-1240kc) "The Haunted Chamber."

Monday, silent night for: CKAC, CNRA, CNRC, CNRE, CNRM, CNRO, CNRR, CNRT, CNRV, CNRW, KFAU, KFMX, KFWA, KHJ, KPSN, KSAC, KUOA, KYW, WBBM, WCBD, WEAO, WEBH, WEBJ, WEBW, WENR, WGBF, WGBS, WGES, WGN, WHAS, WHT, WIBO, WIP, WJAZ, WJJD, WLIB, WLS, WMAQ, WMBB, WOAI, WOC, WOK, WORD, WOS, WQJ, WRC.

Eastern Time Stations

CKNC, Toronto, Can. (356.9m-840kc), 9 p. m., CKNC symphony orchestra; Schuch concert company singers.

KDKA, Pittsburgh, Pa. (309.1m-970kc), 6:30 p. m., dinner concert; 9, Ruud light opera hour.

WABQ, Haverford, Pa. (261m-1150kc), 11 p. m., Horace Hustler, organist.

WADC, Akron, Ohio (258.5m-1160kc), 6:30 p. m., dinner concert, Carnes Richards Hotel Portage quintet; 1 a. m., India Owls.

WAHG, Richmond Hill, N. Y. (315.6m-950kc), 7:30 p. m., Walter A. Looss, pianist; 7:45, Fred Gerrold, baritone; 8, Synchrophase hour; 9:30, Madeleine Hulsizer, soprano; 10:02, Madeleine Hulsizer, soprano; 10:30, Joe Zimmerman's orchestra; 12, dance music.

WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., dinner program; 7:30-8, Frederick D. Weaver, organist; 8-9, Lois Boyles, soprano; Melva Forsyth, contralto; Edward Jendrek, tenor; Josephine Beasley, pianist; Margaret Day, cellist; 9:10-10, musicale.

WBBR, New York, N. Y. (272.6m-1100kc), 8 p. m., Irene Kleinpeter, soprano; 8:20, George Twaroschk, pianist.

WBZ, Springfield, Mass. (333.1m-900kc), 6:30 p. m., Hotel Lenox ensemble; 7:30, Rene Dagenais, organist; 8, Capitol theater orchestra; 8:30, state of Maine reunion; 10:30, Leo Reisman and his Hotel Brunswick orchestra.

WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert, William Penn hotel; 8, studio concert; 10, WEAF; 11, dance orchestra.

WCAP, Washington, D. C. (468.5m-640kc), 7-11 p. m., WEAF.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30 p. m., N. Snellenburg recital; 8, Carolyn Thomas, soprano; 8:30, The Hood Boys; 8:45, Enright's Gems; 9, The Merry Minstrels; 9:30, Kentucky Kardinals; 10, Madrigal mixed quartet.

WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., Goldkette ensemble; 8-9, studio program.

WEAF, New York, N. Y. (491.5m-610kc), 4 p. m.-12 midnight, Brown trio; Vincent Lopez and his orchestra; William Lawlor, baritone; A. and P. Gypsies; "Rigoletto"; Ben Bernie and his orchestra.

WEEI, Boston, Mass. (348.6m-860kc), 7:30 p. m., Black Iron Shiners; 8, Poetic walker; 8:15, Central Automobile Tire company; 9, WEAF.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra.

WGBS, New York, N. Y. (315.6m-950kc), 6:30 p. m., Premier club orchestra.

WGCP, New York, N. Y. (252m-1190kc), 8:30 p. m., studio program; 9:30, Jimmy Clark, pianist; 10, Strickland's orchestra; 10:30, China Royal orchestra.

WGHB, Clearwater, Fla. (265.3m-1130kc), 6:30-7:30 p. m., Lakewood Terrace orchestra; 8:30-10, diversified program; 11:30-1 a. m., midnight ramble, Lakewood Terrace orchestra.

WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert, Gerald Marks Hotel Fuller orchestra; Richard Ralph, tenor; Wayne Frary, pianist; 8, Little Symphony orchestra; John Wummer, flutist; Victor Poiant, violinist; Leona Mitchell, soprano; T. Stanley Perry, tenor; [illegible] Gerald Marks and his orchestra.

WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., Lester Erlenbach's K. of C. concert orchestra; 8, Niagara University orchestra and glee club; 9, popular program, Wheat's division, General Ice Cream company; 10, Robert H. Fountain, baritone; 11, Vincent Lopez Hotel Statler dance orchestra.

WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., Hotel Van Curler; 7:45, Georgine Servoss choral club.

WHAR, Atlantic City, N. J. (275.1m-1090kc), 8 p. m., Seaside hotel trio; 11, Follies Bergere dance orchestra.

WHAZ, Troy, N. Y. (379.5m-790kc), 9 p. m., Albany college of Pharmacy glee club and orchestra; 11, Rensselaer Polytechnic Institute students' orchestra.

WHN, New York, N. Y. (361.2m-830kc), 7:20 p. m., Joe Ward's Swanee entertainers; 8:05, Roseland dance orchestra; 8:30, George's surprise; 9:30, Loew's New York orchestra; 10, Loew's Metropolitan orchestra entertainment; 10:30, Leroy Smith's orchestra; 11, Cotton club orchestra; 11:30, Silver Slipper orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 7, dancing lessons by Miller Conservatory of Dancing.

WJZ, New York, N. Y. (454.3m-660kc), 7 p. m., Hotel Commodore dinner concert; 8, Astor Coffee orchestra; 10, Sasha Culbertson and string quartet; 10:45, Harry Leonard's Waldorf Astoria dance orchestra.

WLIT, Philadelphia, Pa. (394.5m-760kc), 9 p. m., Stanley hour of music; 10, Arcadia cafe dance orchestra; 10:30, vaudeville features, Fay's theater; 10:45, El Patio dance orchestra.

WLWL, New York, N. Y. (288.3m-1040kc), 9:30 p. m., program; 10:15, program.

"a Step On the Stairs"

Broadcast as a Play

EPISODE SEVEN—THE SETTING

EPISODE SIX continues in the high-beamed hunt-room, the room that has been the scene of strange and mysterious crimes, of the Turner manse. The guests who had gathered there to hear a message from Peleg Turner, have waited patiently until Tolliver returns from the Radio station to report that murderous deeds have been afoot there, too. Just as he displays a letter he has stolen at the station, Mary Williams seemingly faints, throwing out her hand and upsetting the candle. In the resultant darkness the letter has disappeared. Mary Williams and Ardwyn stay alone in the room to await the return of a stranger. He returns, in the dark, and the guests come in the room just in time to find Ardwyn unconscious with a flesh wound on his head and Miss Williams fainted—holding part of Peleg Turner's funeral clothes. The two are revived, and all but Mary leave the room. Then John Carton reappears to Mary and asks her to believe in him. He narrowly escapes the return of the other people and is assisted in escaping by Hari Singh, who then shortly returns from the outside with the unconscious form of Milford Jones. The seance is resumed with the unbelievable result that Peleg Turner's voice comes over the Radio. He curses the murderer of his brother. He says the murderer is now in the house, but shall pay in full ere dawn. Pandemonium reigns. The beam of a flashlight hits Tolliver. Attempts to locate the owner of the light are in vain. A human chain is formed to count heads. Instead of eleven as there should be, thirteen people are found in the darkened room. Tolliver seeks matches but is engaged in a struggle. An unknown voice threatens to shoot to kill at the first flicker of a match. The seventh episode follows.

THE CAST

Frederick Ardwyn.....Peleg Turner's lawyer
Aunt Helen Holmes.....A relative
Mary Williams.....A youthful guest
Cousin William Caryl.....A relative
"Doggy" French and Jim.....Two uninvited guests
Hari Singh.....Hindu servant of Peleg Turner
Captain Phelps and Lieutenant Cass.....State troopers

WHERE AND WHEN TO DIAL

KGO, Oakland, Calif. (361.2m-830kc). Seventh episode at 9:45 p. m. Pacific time, Saturday, April 10.

KOA, Denver, Colo. (322.4m-930kc). Seventh episode at 9:40 p. m. Mountain time, Monday, April 12.

WBAP, Fort Worth, Texas. (475.9m-630kc). Third episode at 11 p. m. Central time, Thursday, April 15.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc). Seventh episode at 10:05 p. m. Central time, Tuesday, April 13.

WGY, Schenectady, N. Y. (379.5m-790kc). Sixth episode at 8:15 p. m. Eastern time, Friday, April 9. Seventh episode same time, April 16.

WHO, Des Moines, Iowa (526m-570kc). Seventh episode at 2:30 p. m. Central time, Monday, April 12.

WLW, Cincinnati, Ohio (422.3m-710kc). Seventh episode at 8:30 p. m. Central time, Saturday, April 10.

WMAQ, Chicago, Ill. (447.5m-670kc). Seventh episode at 9 p. m. Central time, Wednesday, April 7. Eighth episode same time April 14.

WNAC, Boston, Mass. (280.2m-1070kc). Seventh episode at 8:30 p. m. Eastern time, Wednesday, April 7. Eighth episode at same time April 14.

WEAN, Providence, R. I. (270.1m-1110kc). Play broadcast by direct wire from WNAC, Boston, on same schedule as WNAC therefore.

WOAW, Omaha, Nebr. (526m-570kc), Sixth and seventh episodes at 8 p. m., Central time, Saturday, April 10.

WOC, Davenport, Iowa (483.6m-620kc). Seventh episode at 10:30 p. m. Central time on Friday, April 9. Eighth episode same time, April 16.

WOR, Newark, N. J. (405.2m-740kc). Seventh episode at 10:30 p. m. Eastern time, Saturday, April 10.

WRC, Washington, D. C. (468.5m-640kc). Sixth episode at 8:15 p. m. Eastern time, Friday, April 9. Seventh episode same time April 16.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc). Schedule to be announced over air.

WMAK, Buffalo, N. Y. (265.3m-1130kc), 7:30-8:30 p. m., Murray Whiteman and his serenaders; 8:30-9, musicale; 9-10, musical program, Philco hour; 10-11, musical program.

Wandering from station to station the Mona Motor Oil Twins, above, seem to enjoy it. At the present time their Radio skits may be heard up and down the Pacific coast. They specialize in comedy songs but will sing sentimental ballads if requested. Elsie White, right, sings regularly at CKNC, Toronto.

WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Olcott Vail and his Hotel McAlpin string ensemble; 6:30, Ernie Golden and his Hotel McAlpin orchestra; 7, Leona Hogarth, songster; 7:30, Kurtz Karnival Kings; 8, Fourth Annual Food Show; 11:30, Jack Denny's orchestra; 12, McAlpin entertainers.

WNYC, New York, N. Y. (526m-570kc), 6:20 p. m., piano selections; 7:35, Mark Wayne Williams; 8, studio program; 8:30, Holy Cross dinner.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Adelphia dinner dance music; 9, WEAF; 10, "Rigoletto"; 11, Adelphia dance orchestra.

WPG, Atlantic City, N. J. (299.8m-1000kc), 6:45 p. m., Arthur Scott Brooks, organist; 7:20, Elks' home dinner dance music; 8:40, Alice Warren Sachse, pianist; 9, Hotel Traymore concert orchestra; 10, David Williams, tenor; Elsa Meyer, pianist; 10:15, Galen hall trio; 11, Eddie McKnight's dance orchestra.

WRVA, Richmond, Va. (256.3m-1170kc), 8:10 p. m., Prof. Andonegui, Spanish violinist; 9-10, Joseph Mackey, reader; 10, Harold Lawrence and orchestra.

WTAG, Worcester, Mass. (267.7m-1120kc), 8:30-9 p. m., Broad and Long; 9-10, Robin Hood hour; 10-11, Grand opera, WEAF.

WTIC, Hartford, Conn. (475.9m-630kc), 6:50 p. m., Hub trio; 8:30, Capitol theater orchestra; 9, Eureka entertainers; 9:30, Emil Heimberger's Hotel Bond dance orchestra; 10, grand opera hour; 11, Rhythmic paraphrases, Travelers symphonic ensemble.

WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 8, Detroit News orchestra; 9, WEAF.

Central Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., dinner program; 8:30-10:30, Slick Merriman, pianist; Belshaw's orchestra; Meraldine Schmidt, blues singer; Gloomy Gus, entertainer; Buick trio.

KFKU, Lawrence, Kan. (275.1m-1090kc), 7:15 p. m., musical program, School of Fine Arts; flute solos and duets, Helen Hannen, Ella Thomen; Margaret Corkerill, contralto.

KFRU, Columbia, Mo. (399.8m-750kc), 6:15 p. m., dinner music.

KLDS, Independence, Mo. (440.9m-680kc), 8 p. m., Mendelssohn's "Elijah," Messiah choir.

KMA, Shenandoah, Ia. (252m-1190kc), 9-11 p. m., Farnham trio.

KMOX, St. Louis, Mo. (280.2m-1070kc), 6 p. m., Arthur L. Utt, organist; 6:30, Mrs. Jacques Landree, organist; 7, Buster Brown; 8, Mrs. Jacques Landree organist; 9, "Traviata"; 10, dance music.

KOIL, Council Bluffs, Iowa (277.6m-1080kc), 6:05 p. m., Louis Armstrong, pianist; Eric Thornton, tenor; 6:30, Skinner program; 7:30, H. W. Sorenson, pianist; 9, Ray Winn and his Paramount orchestra; 10, Frances Mulholland, violinist; Virginia Mulholland, harpist; Lois Green, soprano; 11, Hotsy Totsy hour.

KPRC, Houston, Texas (296.9m-1010kc), 6:30 p. m., Harold Oxley's Warwick hotel orchestra; 7:30, Mrs. D. Turck, contralto; 7:45, Malon Gunn's dance orchestra; 8:30, E. Rodgers, tenor; Mrs. Corrine Hart, blues pianist; cabaret entertainers; 9:30, McFarland-Cochran trio.

KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., Myrtle Hartmann, soprano; 7:30, Carl Saylor, tenor; Joseph Hicksa, pianist; 9, WEAF; 10, Milliken Conservatory of Music.

KTHS, Hot Springs National Park, Ark. (374.8m-750kc), 9-12 midnight, entertainment.

KUOA, Fayetteville, Ark. (299.8m-1000kc), 8 p. m., special musical program, "The Life of Everyman."

WAMD, Minneapolis, Minn. (243.8m-1230kc), 7:01 p. m., Garrick symphony orchestra; 9, Gayle Wood, pianist; 11, frolic.

WBAP, Ft. Worth, Texas (475.9m-630kc), 6-6:30 p. m., dinner concert; 7:30-8:30, vocal and instrumental concert; 9:30-11, Ward's Trail Blazers; 11-12, Ft. Worth club orchestra.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6:15 p. m., dinner concert, St. Paul hotel orchestra; 8, University of Minnesota program; 9, classical program.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., School of the Air; Men's Glee club; 8-9:30, Ivanhoe band, glee club; Julian Amelung, accompanist; 11:45-1 a. m., Nighthawk frolic; Ted Weems' Victor Recording orchestra; Billy Adair's orchestra; Ted Meyn, organist.

WEMC, Berrien Springs, Mich. (285.5m-1050kc), 8:15 p. m., sacred program; Crucifixion hymns; H. Pearson, reader; violin duets, T. Madison and Kenneth Hagen, quartet.

WFAA, Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m., Ford's Texas Trumpeters.

WGST, Atlanta, Georgia (270.1m-1110kc), 9-10 p. m. Georgia Tech band.

WHB, Kansas City, Mo. (365.6m-820kc), 7-8 p. m., Sweeney orchestra, dance program; Milo Finley string trio.

WHO, Des Moines, Iowa (526m-570kc), 7:30-9 p. m., Prof. Paul Stoye, pianist and composer; Joseph Gifford, reader; Alex Lindblom; 11-12 midnight, organ recital, L. Carlos Meier.

WJAD, Waco, Texas (352.7m-1190kc), 8:30-10 p. m., Hot Foot orchestra; Flat quartet.

WKRC, Cincinnati, Ohio (422.3m-710kc), 6 p. m., Hotel Alms orchestra; 9, American Legion; 12 midnight, late dance program.

WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., concert, Hotel Gibson; 7:30, Theatrical feature; 7:40, Hotel Gibson concert; 10, Times Star orchestra; Howard Hafford, tenor.

WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Hugh Sandidge.

WNAD, Norman, Okla. (254.1m-1180kc), 7:20 p. m., Bernice Wysong, pianist; Helen Bailey, violinist; Tessie Rudell, vocalist; Rachael Bedford, reader; Hettie Russell, violinist; 8, Sigma Chi program.

WOAW, Omaha, Nebr. (526m-570kc), 6:20 p. m., Frank Peterson, tenor; Helen Higgins, pianist; 6:50, Fontenelle orchestra; 9, classical.

WOI, Ames, Ia. (270.1m-1110kc), 7:50 p. m., music, Sigma Alpha Iota.

WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9-10 p. m., Elks band; 10-11, "The Haunted Chamber," WOOD players; 11-1, "Thirteenth Woodpile."

WSAI, Cincinnati, Ohio (325.9m-920kc), 8 p. m., WEAF; 10, Community program.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., program, Lulu Clark King; 10:45, Vick Myers' orchestra.

WSBT, South Bend, Ind. (275.1m-1090kc), 7:15 p. m., orchestra, concert.

WSM, Nashville, Tenn. (282.8m-1060kc), 6:30 p. m., Francis Craig's orchestra; 8, Roger Williams university quartet; 10, Vito Pellettieri's orchestra.

WSOE, Milwaukee, Wis. (245.8m-1220kc), 9 p. m., Manhattan Beach orchestra; Al Nitz, tenor; Lorraine Hug, pianist.

WSUI, Iowa City, Iowa (483.6m-620kc), 8:30 p. m., musical program, School of Music.

Mountain Time Stations

CFAC, Calgary, Can. (435.8m-688kc), 9-10 p. m., ladies' concert trio.

KFWA, Ogden, Utah (260.7m-1150kc), 9-10 p. m., Junior orchestra.

KFXF, Colorado Springs, Colo. (250m-1200kc), 8:30 p. m., Gilbert McClurg; Mrs. John Speed Tucker, soprano; Mrs. Daniel Thatcher, violinist; Mrs. Eleanor La Croix, pianist.

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra; 8, "The Parson of Pine Mountain," Otis players; Hulda Helen Edwards, soprano; Ralph Freese, tenor; KOA orchestra; 9:40, "A Step On the Stairs"; 10, ball, Denver Policemen's Protective association.

KUOM, Missoula, Mont. (243.8m-1230kc), 8 p. m., Northwest Indian music, Prof. Paul C. Phillips.

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 6:30 p. m., vest pocket program; 6:45, Radiotorial period; 7-8, Owen Fallon's Californians; 8-9, popular program; 9-10, program, Walter M. Murphy Motors company, "Bohemian Girl," Virginia Flohri and Lilyan May Challenger; 10-11, program arranged by Meiklejohn Brothers.

KFON, Long Beach, Calif. (232.4m-1280kc), 7-8 p. m., Prizma hour with club orchestra; 8-9, Press-Telegram studio; 9-11, studio frolic; 11-12 midnight, State theater organ.

KFWB, Hollywood, Calif. (252m-1190kc), 7:30-8 p. m., program, Dr. Ralph Mitchell and friendly dentists; 8-9, program, Corduroy Tire stores, featuring Corduroy Tire orchestra; 9-10, program, Star Motor Car company, Million Dollar Four orchestra, Tom Breneman, baritone; 10-11, Warner Brothers frolic.

KGO, Oakland, Calif. (361.2m-830kc), 6-6:55 p. m., twilight concert; 8:05, Arion trio.

WELL-KNOWN BALTIMORE ARTIS

CLASSICAL CONCERTS INDEX

Saturday, April 10

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.
WCX, WEAF, WMCA, WREO.			
7	6	5	4
KGO, KYW, WEAR, WENR, WMAQ, WNYC, WOAW, WOK, WRC.			
8	7	6	5
KDKA, KFNF, KOIL, KSD, KYW, WBBR, WGN, WMBB, WNYC, WOAW, WQJ.			
9	8	7	6
KFOA, KPRC, KHJ, KYW, WHAS, WIP, WLW, WORD, WSAI, WSOE.			
10	9	8	7
KNX, KYW, WEAF, WMAQ, WMC, WOAW, WOC, WORD.			
11	10	9	8
KGO.			
12 m	11	10	9
WOAW.			

Sunday, April 11

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.
WCAU.			
7:20	6:20	5:20	4:20
WCAE, WCAU, WEAF, WEAR, WEEI, WJAR, WTAG, WWJ.			
8	7	6	5
KYW, WAMD, WBZ, WEAR, WGBS, WGCP, WKAQ, WLS, WORD.			
9	8	7	6
KFDM, KPRC, KSD, WBZ, WCAU, WCBD, WCCO, WEAR, WGY, WHAR, WHT, WNYC, WQJ.			
9:15	8:15	7:15	6:15
WEEI, WJAR, WTAG.			
10	9	8	7
KHJ, KNX, KTHS, KYW, WCCO, WFAA, WNYC, WOC, WQJ, WSOE.			
11	10	9	8
KFVE, KHJ, KNX, KPO, KTHS, KYW, WHN, WKRC, WOC.			
12 m	11	10	9
KHJ, KNX, WOC.			
1 a. m.	12 m	11	10
KNX.			

Monday, April 12

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.
KGO, WCX, WEAF, WMCA, WREO, WWJ.			
7	6	5	4
KMA, WCCO, WEAF, WEAR, WHAD, WJR, WOAW, WOK.			
8	7	6	5
KFNF, KSD, WBBR, WBZ, WCAU, WCX, WHAR, WHT, WJAR, WLW, WMBB, WTAG, WTIC.			
9	8	7	6
KFOA, KGO, KHJ, KPRC, WBBR, WCCO, WBZ, WCAE, WEEI, WHAD, WHO, WJAR, WLW, WORD, WOS.			
10	9	8	7
KMA, KPO, KPRC, KSD, KTHS, WAMD, WCCO, WEAF, WHAD, WJAR, WOAW, WSUI, WTAG.			
11	10	9	8
KGW, KHJ, KMA, KSD, KTHS, KWSC, WHN, WSAI.			
12 m	11	10	9
KGW, WBAP, WSAI.			
1 a. m.	12 m	11	10
KHJ.			

Tuesday, April 13

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.
WBZ, WCX, WEAF, WMCA, WREO, WWJ.			
7	6	5	4
KGO, KMA, WEAR, WEBJ, WGBS, WHAD, WJR, WMAQ, WOAW, WOK, WOR, WTIC, WWJ.			
8	7	6	5
KFNF, KSD, KYW, WBZ, WCAE, WCAU, WCX, WEAR, WEEI, WGR, WHAR, WHT, WLS, WMBB, WQJ, WRC, WTIC.			
9	8	7	6
KFDM, KFNF, KFOA, KGO, KHJ, KSD, KYW, WBAP, WBZ, WCAU, WDAF, WEEI, WHAD, WJAR, WMAQ, WMCA, WSAI.			
10	9	8	7
KFAB, KFDM, KOA, WCCO, WHAD, WMAQ,			
11	10	9	8
KFMX, KHJ, KNX, KPO, WABQ.			
12 m	11	10	9
KPO.			

Wednesday, April 14

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.
WCX, WEAF, WMCA, WREO, WWJ.			
7	6	5	4
KGO, WEAR, WHAD, WJR, WMAQ, WOK, WTIC.			
8	7	6	5
KFNF, KPRC, KSD, KYW, WAMD, WBZ, WCX, WEAF, WEEI, WHT, WLW, WMBB, WMCA, WQJ, WTAG, WWJ.			
9	8	7	6
KFOA, KGO, KPRC, KSD, KYW, WBZ, WCCO, WDAF, WEEI, WGR, WHAD, WHAS, WJAR, WMAQ, WOR, WOS, WORD.			
10	9	8	7
KFMX, KMA, KNX, KTHS, WAMD, WCCO, WEAF, WEEI, WGR, WHAD, WJAR, WLS, WMAQ, WNYC, WOC, WSOE.			
11	10	9	8
KGO, KGW, KMA, KPO, KTHS, WCAE, WLS, WLW, WOC, WSAI.			
12 m	11	10	9
KGW, KPO, WHAD, WLW.			
1 a. m.	12 m	11	10
WLW.			

Thursday, April 15

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.
WBZ, WCX, WEAF, WIP, WMCA, WREO, WWJ.			
7	6	5	4
KGO, KSD, WEAF, WEAR, WGBS, WHAD, WJR, WMAQ, WOAW, WOK, WWJ.			
8	7	6	5
KYW, WBBR, WBZ, WCAU, WCCO, WCX, WEAR, WEEI, WGR, WGY, WHAR, WHT, WLS, WLW, WMBB, WOAW, WQJ, WTAG, WTIC.			
9	8	7	6
KHJ, KLDS, WBAP, WCAE, WCAU, WCBD, WCCO, WEAF, WEEI, WGR, WHAR, WHAS, WJAR, WNYC, WOC, WORD, WRC, WSAI, WSB, WTAG.			
10	9	8	7
KNX, KPRC, KTHS, KYW, WAMD, WGR, WGY, WHAD, WMC, WOAW, WOC, WSAI.			
11	10	9	8
KGO, KPO, KTHS, WBAP, WKRC.			
12 m	11	10	9
KGW, KPO, WHO, WKRC.			

Friday, April 16

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.
KGO, WCX, WMCA, WREO, WWJ.			
7	6	5	4
KGO, WEBJ, WGY, WHAD, WJR, WMAQ, WOAW, WOK, WOR, WTIC.			
8	7	6	5
KYW, WAHG, WAMD, WBZ, WCAU, WCX, WEBJ, WEEI, WHT, WLS, WQJ, WWJ.			
9	8	7	6
KFDM, KFNF, KFOA, KGO, KHJ, KSD, KYW, WBAP, WBZ, WCAU, WDAF, WEEI, WHAD, WJAR, WMAQ, WMCA, WSAI.			
10	9	8	7
KFAB, KFDM, KOA, WCCO, WHAD, WMAQ,			
11	10	9	8
KFMX, KHJ, KNX, KPO, WABQ.			
12 m	11	10	9
KPO.			

Monday, April 12

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-9, concert; 9-10, concert.

KJR, Seattle, Wash. (384.4m-780kc), 7-8:30 p. m., Sears, Roebuck and company; Mendelssohn trio; 8:30-10, Post Intelligencer studio program.

KLX, Oakland, Calif. (508.2m-590kc), 6:30-7 p. m., Athens Athletic club orchestra; 8-9, Piggly Wiggly company; 9-10:30, Lake Merritt Ducks.

KMTR, Hollywood, Calif. (238m-1260kc), 7:30 p. m., Y. M. C. A. program; 8-10, KMTR concert orchestra; 10-11, Starr Piano company, studio.

KNX, Hollywood, Calif. (336.9m-890kc), 7 p. m., Atwater Kent orchestra; 7-7:30, Mutual Motors mirth contest; 7:30-8, Overell's Furniture company; 8-9, program, L. W. Stockwell company; 9-10, program, Beste Dental system; 10-11, Goodrich Silvertown Cord orchestra; 11-12 midnight, Ambassador hotel dance orchestra.

KOWW, Walla Walla, Wash. (256.3m-1170kc), 8-10 p. m., Barnett School of Music; 10-12, dance music.

KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7 p. m., States restaurant orchestra; 7-7:30, Rudy Seizer's Fairmont hotel orchestra; 8-9, Henry Halstead's orchestra; 9-10, KFI; 10-11, Cabiria cafe dance orchestra; 11-12, Henry Halstead's orchestra.

KTAB, Oakland, Calif. (239.9m-250kc), 8-10 p. m., program.

KWSC, Pullman, Wash. (348.6m-860kc), 7:15-9 p. m., Cougar Coed orchestra; Catherine Robinson, violinist; Faye Norris, banjoist; Dorothy Sturgiss, saxophonist; Ruth Faulkner, pianist; drums, Edna Daw; Vera Latham, pianist.

Tuesday, April 13

Headliners Today

Eastern	Central	Mountain	Pacific
8 p. m.	7 p. m.	6 p. m.	5 p. m.

WBZ (333.1m-900kc) Hebrew-English program.
WEAF (491.5m-610kc), WEEI, WFI, KSD, WCAE, WWJ, WSAI, WTAG, WGR, WCCO, WOC, WEAR, WJAR, Grand Prize Eurekas.
WLW (422.3m-710kc) Aviation talk.

9	8	7	6

WHB (365.6m-820kc) Southern Melody makers.
WJZ (454.3m-660kc) Orpheus trio.

10	9	8	7

KPRC (296.9m-1010kc) Arabia Temple Shrine band.

11	10	9	8

KFI (467m-642kc) Screen artists string ensemble.
KGO (361.2m-830kc) Metropolitan male singers.
WOC (483.6m-620kc) Whizz Bang dance orchestra.

11:05	10:05	9:05	8:05

WCCO (416.4m-720kc) "A Step On the Stairs," mystery serial.

Tuesday, silent night for: CFCA, CHIC, CKNC, CNRC, CNRE, CNRM, CNRO, CNRT, CNRW, KUOA, KFUO, KFWA, KOA, KOAC, KOB, KOWW, KUOM, KSAC, KTAB, KWSC, KYX, WABQ, WAHG, WAIU, WAMD, WBBR, WCAL, WCAP, WEMC, WGCP, WHAZ, WJAD, WJAZ, WKAF, WLWL, WMAK, WMAZ, WOI, WOS, WRVA, WSMB, WSUI, WTAM, WTIC.

Eastern Time Stations

CKAC, Montreal, Can. (410.7m-730kc), 7:15 p. m., Windsor hotel dinner program; 8:30, variety concert, 10:30, Harold Leonard's Red Jackets.

CNRA, Moncton, Can. (312.4m-960kc), 8 p. m., program Mrs. Ethel Ranger Cuzner, director; 10, CNRA orchestra.

KDKA, Pittsburgh, Pa. (309.1m-970kc), 6:30 p. m., dinner concert; 8:30, sacred song half-hour; 9, program; 11:35, concert, Grand theater.

WADC, Akron, Ohio (258.5m-1160kc), 6:30 p. m., dinner concert, Carnes Richards Hotel Portage quintet, 8, Yellow Cab company; 9, studio program; 10, Times-Press hour.

WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., WBAL dinner orchestra; 7:30-8, male quartet; 8-9, Loretta Lee, soprano; George Bolek, pianist; James Wilkinson, baritone; 9-10, U. S. Naval academy band, 10-10:30, Channing Lefebre, organist.

WBZ, Springfield, Mass. (333.1m-900kc), 6:45 p. m., Hotel Lenox ensemble; 8, Hebrew-English program, 8:45, Harvard Freshmen musical clubs; 9:30, Frank Peters; 10:30, WBZ movie club.

WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert, William Penn hotel; 8, WEAF; 8:30, WEAF; 9, WEAF; 10, WEAF; 11, Kenyon theater.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:30 p. m., Ralph Jackson and his Blue Grass music; 7:30, Snellenburg choral society; 8:10, The Three Brothers; 8:25, recital; 8:45, songs; 9, Robert Frazer, blind Gospel singer; 9:30, Esther Lawrence and players; 10, Eddie Malle and Danny Dougherty, songs; 10:30, Cathay Tea Garden dance orchestra.

WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., Goldkette ensemble; 10-2 a. m., Red Apple club.

WEAF, New York, N. Y. (491.5m-610kc), 4 p. m.-12 midnight, Harry Niles, bass; Louise Lawrence trio; Vincent Lopez and his orchestra; Gold Dust Twins, Eveready hour, Vincent Lopez and his orchestra; Ross Gorman and his orchestra.

WEBJ, New York, N. Y. (272.6m-1100kc), 7 p. m., Doc Kobrin's orchestra; 7:15, Tindaro Cicero, tenor; Michele Bontempo, baritone; Mario Ostumo, pianist; 8:15, A. Wayne, singing baritone; 8:30, Henryetta Turner, ukulele girl; 8:45, Blue Bell serenaders.

WEEI, Boston, Mass. (348.6m-860kc), 8-11:30 p. m., WEAF.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 7:10, Bellevue Stratford dance orchestra; 8-11:30, WEAF.

WGBS, New York, N. Y. (315.6m-950kc), 7 p. m., Arrowhead Inn orchestra; 10:30, Arrowhead Inn orchestra.

WGHB, Clearwater, Fla. (265.3m-1130kc), 6:30-7:30 p. m., dinner music; 7:30-7:45, Giles Quarles, King of the Mandalaire; 8:30-9:30, Homer Moore singers; 11:45-1 a. m., Graham Prince and his orchestra.

WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert, Hotel Fuller orchestra; Marvelle Puzette soprano; 8:15, Skylark dance band; Harry Hayes, banjoist; Hubert Haussler, baritone; Wolverine quartet, 12-1 a. m., Gerald Marks and his orchestra.

WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., Vincent Lopez Hotel Statler dance orchestra; 8, WEAF.

WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., Hotel Van Curler orchestra; 7:45, WBC; 8:15, WGY orchestra.

WHAR, Atlantic City, N. J. (275.1m-1090kc), 8 p. m., Seaside hotel trio.

WHN, New York, N. Y. (361.2m-830kc), 6 p. m., Treasureland Neighbors; 6:30, Everglades orchestra; 7, Iceland orchestra; 7:30, Will Oakland's Chateau; 9, Loew's Eighty-third Street orchestra; 11:30, Lexington organ recital; 12, Harry Richman and his entertainers.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Monte Cross, "old-timer"; 6:15, Nelson Pales and his S.S. Leviathan orchestra; 8:15, Otto Kruger, violinist, Walter Dreer, cellist; Edward Bandis, pianist; 9, P. O. S. of A. band; 10:30, El Patio dance orchestra.

WJZ, New York, N. Y. (454.3m-660kc), 7:30 p. m., U. S. Marine band; 8:30, Deltah Pearl hour; 9, Orpheus trio; 10, grand tour; 10:40, George Olsen's orchestra.

WLWL, New York, N. Y. (288.3m-1040kc), 9 p. m., piano recital; 9:30, Premier male quartet; 10:15, entertainment.

Jewel Barnet and Freda Leonard, recent addition to the programs of W tions in Denver is Howard Tillotson at KOA. T. J. Vastine, right, is th band which is hear

WMAK, Buffalo, N. Y. (265.3m-1130kc), 6:15-7:15 p. m., dinner music.

WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Olcott Vail and his Hotel McAlpin string ensemble; 6:30, Parody orchestra; 7, Twin Oaks orchestra; 8, Fourth Annual Food Show; 8:30, Poslam Hawaiians; 10, Creole Follies; 10:30, Tango orchestra; 11, Ernie Golden and his Hotel McAlpin orchestra; 12, McAlpin entertainers.

WNYC, New York, N. Y. (526m-570kc), 6:30 p. m., The Canadians; 8, song and instrumental recitals, 9:30, dance program.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., program, auspices Sesquicentennial.

WPG, Atlantic City, N. J. (299.8m-1000kc), 7 p. m., Hotel Morton dinner music; 8, Plaza hotel artists; 8:30, Katz and his Kittens; 9, Chalfonte-Hadden Hall Dual trio; 10, Hotel Traymore Grill dance orchestra, 10:30, Karl Bonawitz; 11, Silver Slipper Supper club dance orchestra.

WRC, Washington, D. C. (468.5m-640kc), 7:30 p. m., United States Marine band concert; 8:30, WJZ; 9, announced; 10, WJZ; 10:30, W. Spencer Tupman and his Hotel Mayflower orchestra.

WRVA, Richmond, Va. (256.3m-1170kc), 11-1 a. m., feature program.

WTAG, Worcester, Mass. (267.7m-1120kc), 8-8:30 p. m., WEAF; 9-10, WEAF; 10-11, WEAF.

WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 8, WEAF.

Central Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., dinner concert; 8:30-10:30, University of Nebraska program.

KFRU, Columbia, Mo. (399.8m-750kc), 6:15 p. m., dinner music.

KLDS, Independence, Mo. (440.9m-680kc), 8 p. m., studio recital, James Houghton, baritone.

KMA, Shenandoah, Ia. (252m-1190kc), 9-11 p. m., May's Mandolin musicians.

KMOX, St. Louis, Mo. (280.2m-1070kc), 6 p. m., Arthur L. Utt, organist; 6:30, Mrs. Jacques Landree, organist; 7, Dr. Jules Bischoff; character songs, Mrs. Julius Rotter; 8, Mr. and Mrs. Roland Arnoldy; 9, selections from English classics, Mrs. Madeline Anderson Mattingley; 10, Colonel 6121.

KOIL, Council Bluffs, Iowa (277.6m-1080kc), 6:05 p. m., Clara Kurtz, pianist; Lucy Rhyno, soprano; 6:30, Randall's Royal Fontenelle orchestra; 7:30, American Legion; 11, Hotsy Totsy hour.

KPRC, Houston, Texas (296.9m-1010kc), 7:30 p. m., Ralph Park's Casino Beautiful dance orchestra; 8:30, Houston Real Estate board courtesy program; 9, Arabia Temple Shrine band.

KSD, St. Louis, Mo. (545.1m-550kc), 7-10:30 p. m., WEAF.

KTHS, Hot Springs National Park, Ark. (374.8m-750kc), 9-9:15 p. m., comedy, Al Reynolds, Mrs. Sam Stone; 9:15-9:30, Mrs. Byrd Rigsby, contralto; 9:30-10, Lawson Reid, organist; 10-10:30, New Arlington hotel orchestra; 10:30-11:30, Eastman hotel orchestra.

KUOA, Fayetteville, Ark. (299.8m-1000kc), 8 p. m., University glee club quartet, soloists.

KYW, Chicago, Ill. (535.4m-560kc), 6-6:15 p. m., KDKA; 6:30-7, Congress hotel; 8-9, Henrietta Nolan, violinist; Melody quartet; Eulale Kober, pianist; 10-1 a. m., evening at home.

WBAP, Ft. Worth, Texas (475.9m-630kc), 6-6:30 p. m., dinner concert; 7:30-8:30, Rainbow Serenaders; 9:30-11, classical.

WBBM, Chicago, Ill. (225.4m-1330kc), 8-12 midnight, Jack Crawford's Alemite orchestra; Tip trio; Pete Kules; Vivian Sheffer, contralto.

WCBD, Zion, Ill. (344.6m-870kc), 8 p. m., celestial bells, violin quartet; Wiedman Sisters, double duetists; duets, Clark Pitcher and Chester Bagg, Misses Sweeney and Donovan; Alexander De Pew, flutist; Mary Sweeney, soprano; Chester Bagg, baritone.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 7 p. m., WEAF; 7:30, WEAF; 8, WEAF; 9, WEAF; 10:05, "A Step On the Stairs," mystery serial.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., School of the Air; Trianon ensemble; 11:45-1 a. m., Nighthawk frolic; Ted Weems' Victor Recording orchestra; Billy Adair's orchestra; Johnnie Campbell's orchestra.

WEBH, Chicago, Ill. (370.2m-810kc), 7 p. m., Oriole orchestra; 8, marimba band; saxophone quintet; saxophone quartet; Kathryn Forbes, soprano; 9-9:15, news; 9:15-10, Uptown theater; 11, Oriole orchestra; 12:30 a. m., Bernard Weber, tenor; Oriole trombone duo; Mark Fisher, songs.

WFAA, Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m., Jimmie Joy's orchestra; 8:30-9:30, Southern Methodist university; 11-12 midnight, Enrique Raspolo, violinist; Dallas Athletic club orchestra.

WGBF, Evansville, Ind. (236.1m-1270kc), 8 p. m., Owensville high school band; 9, Evansville Courier classical hour.

WGN, Chicago, Ill. (302.8m-990kc), 6:30-6:45 p. m., Drake concert ensemble, Blackstone string quintet, 6:45, old-time favorites; 6:55-7, "The Million Sing"; 8-9, WEAF; 9-10, studio program; 10-10:10, Sam 'n' Henry; 10:10, old-time favorites; 10:20, play shop, 10:40-11, studio ensemble.

WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., concert, Eddie Rosson and his orchestra; special recital, Signor Louis Carosio.

WHB, Kansas City, Mo. (365.6m-820kc), 7-7:45 p. m., dinner hour concert; 8-9, Southern Melody Makers; Honolulu Strummers, Hawaiian selections; songs, Horace Taylor; 9-10, Alfred Vacca, accordionist; Jack Turner, popular soloist.

WHO, Des Moines, Iowa (526m-570kc), 7:30-8 p. m., Raleigh quintet; 8-9, varied musical program; 11-12 midnight, Bankers Life Corn Sugar orchestra.

WHT, Chicago, Ill. (399.8m-750kc), 6 p. m., dinner organ recital, Al Carney; 6:40, Grayling's string trio; 6:50, Diamond quartet, Loftis; 9:15, (238m-1260kc), Cinderella cafe orchestra; 9:35, Kitchen Klenzer entertainers; 9:50, popular songs selections; 12, Pat Barnes.

WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., dinner program, string trio, vocal numbers; Ruth Flick, reader; Helen Collar, pianist; 12, jamboree; Ted Fiorito, pianist; Dan Russo, violinist; Marie Tully, songs; Wayne Myers, monologist; Harold Olson, Jack Goodwin; Tennessee Gingersnaps.

WJAD, Waco, Texas (352.7m-1190kc), 8:30-10 p. m., instrumental program.

WJJD, Mooseheart, Ill. (370.2m-810kc), 8-9 p. m., children; 10-11, Garod studio; Rushmore ensemble singers; Palmer House Victorians; 12:30 a. m., Settin' up hour.

WKRC, Cincinnati, Ohio (422.3m-710kc), 10 p. m., Eugene Perazzo, organist; 11, Eddie Brigode and his Virginians; 11:45, Marie Turner.

WLIB, Chicago, Ill. (302.8m-990kc), 7:30-8 p. m., WEAF; 11-11:20, Correll and Gosden; 11:20-1 a. m., studio ensemble, dance music, harmony duos.

WLS, Chicago, Ill. (344.6m-870kc), 6:40 p. m., Maurie Sherman's College Inn orchestra; 7:15, College Inn orchestra; 7:20, Charles Bilek, boy violinist; 7:35, Ralph Emerson, organist.

WLW, Cincinnati, Ohio (422.3m-710kc), 1 p. m., opening game—Reds vs. Chicago Cubs, to be announced by Powell Crosley, Jr.; 7:30, piano memories—Mary Louise Woseczek; 8, Crosley Burnt Corkers; 9, Formica orchestra.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Hotel LaSalle orchestra; 8:20, Grace and Robert Whitney; 9:55, chimes.

WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon ensemble; Genevieve Burnham, coloraturo soprano; semi-classical operatic program; 9-11, Trianon orchestra; Woodlawn theater orchestra; Eugene Poltnik ensemble; Oxford girls, Joe Warner, Eddie Matts and Billie Donovan; popular program.

WMC, Memphis, Tenn. (499.7m-600kc), 11 p. m., Britling's Cafeteria orchestra.

WNAD, Norman, Okla. (254.1m-1180kc), 7:20 p. m., Dorothy Lee Patawski, vocalist; choral girls' quartet;

'S SING "IL PAGLIACCI" AT WBAL

called the Humming Birds of the air, are a
hicago. The leader of four musical organiza-
who directs the Brown Palace string orchestra
an conductor of the Westinghouse Employes'
Saturday evening at KDKA.

KJR, Seattle, Wash. (384.4m-780kc), 8:30-10 p. m., orchestra.

KMTR, Hollywood, Calif. (238m-1260kc), 6-7 p. m., Starr Piano company studio; 7:45, Hollywood community sing; 8:30-10, KMTR concert orchestra.

KNX, Hollywood, Calif. (336.9m-890kc), 6:30-7 p. m., Atwater Kent orchestra; 7-7:45, program, Geo. E. Read, Inc.; 8-9, program, Globe Ice Cream and Weber Bread; 9-10, program, Western Auto Supply company; 10-12 midnight, Ambassador hotel dance orchestra.

KOWW, Walla Walla, Wash. (256.3m-1170kc), 8-10 p. m., studio program; 10-12, dance program.

KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7 p. m., States restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel orchestra; 8-9, Donner Lake Camp orchestra contest; 9-10, Mona Motor Oil company, trio; Gypsy and Marta, harmony team; 10-11, Palace hotel dance orchestra; 11-12, Henry Halstead's dance orchestra.

KPSN, Pasadena, Calif. (315.6m-950kc), 8-9 p. m., Adolf Tandler instrumental group.

KTAB, Oakland, Calif. (239.9m-250kc), 8-9 p. m., Mills college.

WOAI, San Antonio, Texas (394.5m-760kc), 8:30 p. m., Geoghardt Mexican players.

WOAW, Omaha, Nebr. (526m-570kc), 6 p. m., Hugo G. Heyn, xylophonist; 6:50, Ed Myers and his Peony Park orchestra; 10:30, Nightingale orchestra.

WOC, Davenport, Iowa (483.6m-620kc), 7-7:30 p. m., Grand Prize Eurekas, WEAF; 7:30-8, Gold Dust Twins, WEAF; 8-9, Eveready hour, WEAF; 10-11, Heuer's Whizz band dance orchestra.

WOK, Chicago, Ill. (217.3m-1380kc), 10-1:30 a. m., Tearney's Town club orchestra; Pershing Palace orchestra; Capitol theater program; program.

WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9-10 p. m., Ye Old Tyme Songe Feste; 10-12 midnight, Henry Ford Old-Time dance.

WORD, Batavia, Ill. (275.1m-1090kc), 7 p. m., Public Service Company of Northern Illinois.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Ralph Williams and his concert orchestra; Leo Miller, violinist; Lorena Anderson, soprano; 10-1 a. m., Ralph Williams and his Skylarks; Rose Vanderbosch, pianist and soprano; Hal Lansing and his uke; Everett Opie, character reader; popular songs; 1-2, Ginger hour.

WSAI, Cincinnati, Ohio (325.9m-920kc), 7 p. m., WEAF; 7:30, musicale; 8, WEAF; 9, musicale.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., Lyon and King de luxe concert; 10:45, Green Room frolic, Loew's Grand theater.

WSM, Nashville, Tenn. (282.8m-1060kc), 10 p. m., Beasley Smith's orchestra; Edward Stockman, baritone; Jack Egan, Irish tenor.

WSOE, Milwaukee, Wis. (245.8m-1220kc), 8:45 p. m., movie review, Peggy Patton; 9, Milwaukee County Federation of Women's clubs; 10, Leon Grieb, tenor.

Mountain Time Stations

CFAC, Calgary, Can. (435.8m-688kc), 8-9 p. m., Y. M. C. A. concert.

CNRR, Regina, Can. (476m-640kc), 8 p. m., program, Mrs. R. Taylor's concert party.

KFXF, Colorado Springs, Colo. (250m-1200kc), 8:30 p. m., Cleora Wood Schmidt, soprano; Wilhelm Schmidt, pianist.

KOA, Denver, Colo. (322.4m-930kc) 6:30 p. m., Brown Palace string orchestra.

Pacific Time Stations

CNRV, Vancouver, Can. (291.1m-1080kc), 8:30 p. m., Edna Haywood, xylophonist; Dorothy Bridge, soprano, Dorothy Denison, pianist; Richard Stanton, tenor, 10:30, Cabaret Belmont orchestra; Bebe Mullar, soprano.

KFI, Los Angeles, Calif. (467m-642kc), 6:30 p. m., vest pocket program; 6:45, Radiotorial period; 7-7:30, Chinese Gardens orchestra; 7:30-8, Jim, Jack and Jean trio; 8-9, Screen Artists string ensemble; 9-10, popular program; 10-11, Packard Radio club.

KFON, Long Beach, Calif. (232.4m-1280kc), 7-7:30 p. m., studio program; 8-9, Press Telegram studio; 9-11, Long Beach Aero club frolic.

KFWB, Hollywood, Calif. (252m-1190kc), 8-9 p. m., Patrick-Marsh dance orchestra, Betty Patrick, soloist; 9-10, Guzman string trio, Jean Hayden, soprano; 10-11, Bill Hatch's Oakmont Country club orchestra.

KGO, Oakland, Calif. (361.2m-830kc), 6-6:55 p. m., twilight concert; 8-9, Eveready program; Metropolitan male singers; Vladimir Drucker, trumpeter; Louise Polos, pianist; 9:10-9:30, Mrs. A. Ford, mezzo-soprano; Stanford Moses, bass; Lennore Keithley, soprano; duet; 10-12 midnight, Madson's Midshipmen, dance orchestra.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-10, Alicia McElroy quartet; 10-12, Herman Kenin's dance orchestra.

KHJ, Los Angeles, Calif. (405.2m-740kc). 8-10 p. m., Wings de luxe presentation.

Wednesday, April 14

Headliners Today

Eastern	Central	Mountain	Pacific
8 p. m.	7 p. m.	6 p. m.	5 p. m.

WEAO (293.9m-1020kc) Special program.
WTIC (475.9m-630kc) Clef male quartet.
8:30 7:30 6:30 5:30
KDKA (309.1m-970kc) Russian chorus.
WHAS (399.8m-750kc) Jake Seligman and Kentucky Nightowls.
9:55 8:55 7:55 6:55
WMAQ (447.5m-670kc) WMAQ players.
10 9 8 7
KTHS (374.8m-800kc) Solo specialties.
WGR (319m-940kc) Buffalo Choral club.
10:30 9:30 8:30 7:30
WOC (483.6m-620kc) "Ten Nights in a Barroom," drama.
11 10 9 8
KNX (336.9m-890kc) Joe Daley's comedians.
12 m. 11 10 9
WSM (282(8m-1060kc) Beethoven string quartet.

Wednesday, silent night for: CHIC, CKAC, CKNC, CNRA, CNRC, CNRE, CNRM, CNRR, CNRT, CNRV, KFAU, KFXF, KGO, KLDS, KMMJ, KOB, KOIL, KPSN, KSAC, KTAB, KUOA, WABQ, WAIU, WBAL, WBAP, WBBR, WCAL, WCBD, WEBW, WFAA, WGBF, WGBS, WGCP, WHAR, WHAZ, WIP, WJAD, WJAZ, WLWL, WMC, WOAI, WOAW, WOI, WPG, WRC, WRR.

Eastern Time Stations

CFCA, Toronto, Can. (356.9m-840kc), 7 p. m., Salvation Army band concert; 11, Gilbert Watson and his orchestra.

CNRO, Ottawa, Can. (435.8m-688kc), 8 p. m., Chateau Laurier concert orchestra; 9, string quartet; Gladys Ewart, pianist; dance orchestra.

KDKA, Pittsburgh, Pa. (309.1m-970kc), 6:30 p. m., dinner concert; 8:30, Russian chorus, Russian music.

WADC, Akron, Ohio (258.5m-1160kc), 6:30 p. m., dinner concert, Carnes Richards Hotel Portage quintet.

WAHG, Richmond Hill, N. Y. (315.6m-950kc), 7:40 p. m., studio program; 8:15, Raymond Muber, baritone; 8:45, Louis Caton, tenor; Richard Delmunzio, violinist; 9:20, Old-Fashioned quartet; 10:02, Elspeth Brownell, pianist; Frank Jasper, baritone.

WBZ, Springfield, Mass. (333.1m-900kc), 6:45 p. m., Hotel Kimball; 6:45, Hotel Lenox ensemble; 8, "The Holyoke Hour"; 9, WBZ concert company.

WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert, William Penn hotel; 8, WEAF; 8:30, WEAF; 9, studio concert; 10, Kramer's orchestra.

WCAP, Washington, D. C. (468.5m-640kc), 7-11 p. m., matters before the house; U. S. Navy band; WEAF.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30 p. m., N. Snellenburg recital; 8, medical talk; 8:10, Jeff Kane's musical adventures; 8:30, Ruppert and McCullough, banjoists; 9, recital; 10:30, Carl Zochrns and Lou Herscher, songs; 10:15, Frank Cook, old-time songs; 11, Artie Bittong and his Cheer-up club.

WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., Gold kette ensemble; 8-9, studio program.

WEAF, New York, N. Y. (491.5m-610kc), 4 p. m.,-12 midnight, Ray Nichols' Recording orchestra; Antonio Lanasa, tenor; Vincent Lopez and his orchestra; Shinola Merrymakers; Davis saxophone octet; Piana Troubadours; Hughie Barrett and his orchestra.

WEAO, Columbus, Ohio (293.9m-1020kc), 8 p. m., special program, dedicating WEAO New Transmitting station.

WEBJ, New York, N. Y. (272.6m-1100kc), 8 p. m., Peter Pan society orchestra, direction Sam Wolff; 8:15, Benjamin Jarmus, tenor; 9, Richard Franklin, concert pianist; 9:15, John Von Asnes, tenor; 9:30, Sid Steigers' Studio orchestra.

WEEI, Boston, Mass. (348.6m-860kc), 7:45 p. m., "Poetry Workshop of Mt. Holyoke"; 8-10, WEAF.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra.

WGBS, New York, N. Y. (315.6m-950kc), 6 p. m., Uncle Geebee; 6:30, Jersey Collegians; 7, inspirational half-hour.

WGCP, New York, N. Y. (252m-1190kc), 7-8:30 p. m., studio program.

WGHB, Clearwater, Fla. (265.3m-1130kc), 6:30-7:30 p. m., dinner music; 8:30-9:30, E. H. Krug, baritone; W. Craig, concert soprano; 11:45-1 a. m., midnight ramble, Graham Prince and his orchestra.

WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert, Hotel Fuller orchestra; Anne Patterson, mezzo-soprano; 8, Little Symphony orchestra; male quartet; Madame Gizi Szanto, pianist; Jean Courtois, violinist; Marius Fossenkemper, clarinetist; 12-1 a. m., Gerald Marks and his orchestra.

WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., Century orchestra; 8, WEAF; 10, Buffalo choral club; 10:30, W. L. MacRae and associate artists; 11, Yankee Six orchestra.

WGY, Schenectady, N. Y. (379.5m-790kc), 7 p. m., Eastman theater, WHAM; 8:05, WHAM.

WHN, New York, N. Y. (361.2m-830kc), 7:30 p. m., Lexington organ recital; 8, Vogue entertainers; 9, Loew's New York orchestra; 9:30, Daven entertainers; 10, Roseland dance orchestra; 10:30, Anatol Friedland; 11, Silver Slipper orchestra; 12, Cotton club orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin hotel concert orchestra.

WJZ, New York, N. Y. (454.3m-660kc), 7 p. m., Markel's orchestra; 8:30, Lewisohn free chamber music concert; 10:45, George Olsen's Hotel Pennsylvania orchestra.

WLIT, Philadelphia, Pa. (394.5m-760kc), 7:30 p. m., Dream Daddy's bedtime stories; 8, Arcadia cafe concert orchestra; 9, P. R. T. band and orchestra; 10, Arcadia cafe dance orchestra.

WLWL, New York, N. Y. (288.3m-1040kc), 9:15 p. m., Carr's musicale; 9:45, McEvoy's concert; 10:15, entertainers.

WMAK, Buffalo, N. Y. (265.3m-1130kc), 7:30-8 p. m., musical, Harry Jackson, tenor; 8-8:30, George Hurst, violinist; Mrs. Dorothy Sexsmith, pianist; 8:30-9:30, musicale; 9:30-10, song recital, Mrs. Gertrude Zimmerman.

WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Olcott Vail and his Hotel McAlpin string ensemble; 6:30, Ernie Golden and his Hotel McAlpin orchestra; 8:30, Fourth Annual Food Show; 9, Mamaroneck night; 10:30, Creole Follies; 11, Hofbrau Haus entertainers; 11:30, Jack Denny's orchestra; 12, McAlpin entertainers.

WNYC, New York, N. Y. (526m-570kc), 6:20 p. m., piano selections; 7:35, concert program; 9, violin recital; 9:30, piano selections; 9:45, Cantor Sol Fuchs, baritone.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Sylvania dinner dance orchestra; 8, WEAF; 10, Fox theater studio program; 10:30, Sylvania dance orchestra.

WRVA, Richmond, Va. (256.3m-1170kc), 8:10 p. m., Smithers Hawaiian players; 8:30, Virginians; 9:15, Augusta Military academy orchestra; 10:15, Ernest H. Cosby, organist.

WTAG, Worcester, Mass. (267.7m-1120kc), 8-8:30 p. m., WEAF; 8:30-9, WEAF; 9-10, Assumption college musical clubs; 10-11, WEAF.

WTIC, Hartford, Conn. (475.9m-630kc), 6:30 p. m., Hotel Bond trio; 8, joint recital, Clef male quartet, Arcadia ladies' quartet; 9:15, piano recital, Laura Gaudet; 9:30, organ recital, Esther Nelson.

WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 8, News orchestra; 9, dance program; 10, WEAF.

Central Time Stations

CNRW, Winnipeg, Can. (384.4m-780kc), 7:50 p. m., Irvin A. Plumm and his Fort Garry hotel orchestra; 8:50, Knox Crescent church choir; 10, Supper dance club.

KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., dinner concert; 8:30-10:30, Little symphony orchestra; Harriett Cruise; Cowbell Boys; Ed Ellingson, Original songbird; Harmony boys, vocal and piano numbers.

KFRU, Columbia, Mo. (399.8m-750kc), 9-11 p. m., musical program.

KMA, Shenandoah, Ia. (252m-1190kc), 9-11 p. m., clog dancing; Willy Cunningham.

KMOX, St. Louis, Mo. (280.2m-1070kc), 6 p. m., Arthur L. Utt, organist; 6:30, Mrs. Jacques Landree, organist; 7, Missouri theater; debate; 8, Gordon Morrison, guitarists; Helen Brady, soprano; 9, song cycle, 10, dance music.

KPRC, Houston, Texas (296.9m-1010kc), 6:30 p. m., Harold Oxley's Warwick hotel concert orchestra; 7:30, C. Sowerby, basso; 7:45, Jack Willrich's orchestra, Virginia Willrich, piano-accordionist; 8:30, Frank Tilton, boy pianist; 11, Vaughan's Virginians dance orchestra.

KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., WEAF, 7:30, Hotel Statler orchestra; 8, WEAF.

KTHS, Hot Springs National Park, Ark. (374.8m-750kc), 9-9:45 p. m., KTHS staff artists; 9:45-10:30, Southerners; 10:30-11, Hot Springs Harmony Twins.

KYW, Chicago, Ill. (535.4m-560kc), 6-6:15 p. m., KDKA; 7:30, half hour of music; 8, Sherwood School of Music; 10-12, revue.

WAMD, Minneapolis, Minn. (243.8m-1230kc), 7:10 p. m., classical program; 11, frolic.

WBAP, Ft. Worth, Texas (475.9m-630kc), 6-6:30 p. m., dinner concert.

WBBM, Chicago, Ill. (225.4m-1330kc), 8-10 p. m., Barber Shop quartet; Billy Spears, tourist bureau; 9-9:15, old song period; Philip Nilles, tenor; Floyd Falch; 12-2, Alemite orchestra; Harold Anderson, accordionist; Sy Berg, Bob Witt.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 7 p. m., WEAF; 8, WEAF; 9, Nash-Finch concert orchestra; 10:05, Marigold Garden dance orchestra; 11:30, organ recital, Eddie Dunstedter.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., School of the Air; Trianon ensemble; 8-9, WDAF players; 9-10, classical program, Star's orchestra; vocal pupils of Franklyn Hunt; 11:45-1 a. m., Nighthawk frolic.

WEBH, Chicago, Ill. (370.2m-810kc), 7 p. m., Oriole orchestra; 8, Oriole string trio; 9-9:15, news flashes; 9:15-10, Frank Bordner, songs; Florence Behrend, soprano; 11-12:30 a. m., Oriole orchestra; Florence Behrend; impromptu review; Bernice Follis; Oriole orchestra.

WEMC, Berrien Springs, Mich. (285.5m-1050kc), 8:15 p. m., Lighthouse Music Makers; Eleanor McClanahan, pianist; Ellis Maas, baritone; Jeanette Richardson, soprano.

WGN, Chicago, Ill. (302.8m-990kc), 6:30-6:45 p. m., Drake concert ensemble, Blackstone string quintet; 6:45, old-time favorites; 6:55-7, "The Million Sing"; 9-10, studio program; 10:10, Sam 'n' Henry; 10:10-10:20, old-time favorites; 10:20, play shop; 10:40-11, studio ensemble.

WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., Jake Seligman and his Kentucky Night Owls.

WHB, Kansas City, Mo. (365.6m-820kc), 7-8 p. m., Milo Finley trio; banjo mandolin duet; vocal quartet; Jerry DeLooze, Nellie DeLooze, Fannie Baldwin and Georgia Blum; John Blum, pianist.

FARMERS' PROGRAMS INDEX

Farmer Dinner Concerts

Daily Except Sunday

CENTRAL TIME
KFNF, 12:15-1:35 p. m.
KMA, 11:30-12:30
KSO, 12:30-1:30 p. m.
WLS, 12 noon.

Saturday, April 10

Eastern	Central	Mountain	Pacific
1 p. m.	12 noon	11 a. m.	10 a. m.

KPRC (296.9m-1010kc) Farmers' educational and musical program.
1:45 12:45 p. m. 11:45 10:45
WOI (270m-1110kc) Soils, questions and answers.
8 7 6 p. m. 5 p. m.
KDKA (309.1m-970kc) Farm program.
9:30 8:30 7:30 6:30
KFAU (280.2m-1070kc) Agricultural talk, question box.

Sunday, April 11

Eastern	Central	Mountain	Pacific
3:30 p. m.	2:30 p. m.	1:30 p. m.	12:30 p. m.

WFAA (475.9m-630kc) Sunday hour for farmers.

Monday, April 12

Eastern	Central	Mountain	Pacific
12 noon	11 a. m.	10 a. m.	9 a. m.

WRC (468.5m-640kc) Fifty Farm flashes.
1:15 p. m. 12:15 p. m. 11:15 10:15
WOC (483.6m-620kc) "The Backbone Essentials of the Ideal Pasture for Pigs."
WEAO (293.9m-1020kc) Timely Economic Information for the farmer, C. J. West.
1:45 12:45 11:45 10:45
WOI (270m-1110kc) "Tuberculosis in Livestock."
WMAQ (447.5m-670kc) Radio farm school.
7 6 5 p. m. 4 p. m.
WGY (379.5m-790kc) Agricultural program.
7:45 6:45 5:45 4:45
WSOE (246m-1220kc) Hog Raising.
8 7 6 5
WOS (440.9m-680kc) Livestock questions and answers.
8:30 7:30 6:30 5:30
KUOA (299.8m-1000kc) Farm Filosofy, Cy Adams. "Soy Beans for Hay." "Influence of Farmers' Week on Scott county." "Making the Water Walk Instead of Run Off."
WOI (270.1m-1110kc) "Let's Have Some Strawberries Next Year."
WMC (499.7m-600kc) Farm talk.
8:45 7:45 6:45 5:45
WCCO (416.4m-720kc) "Alfalfa and Sweet Clover—How Often May Alfalfa Be Cut?"
9:30 8:30 7:30 6:30
KOB (248.6m-860kc) "Broomcorn Growing." "Concrete on the Farm."
KOAC (280.2m-1070kc) Agricultural question box. "The Price of Dairying in Oregon Agriculture."
10:30 9:30 8:30 7:30
KOAC (280.2m-1070kc) "Clover Mildew."
10:35 9:35 8:35 7:35
KOAC (280.2m-1070kc) "Electricity in Oregon Agriculture." "Future of the Pear Industry."
11:05 10:05 9:05 8:05
KGO (361.2m-830kc) "Marketing Early California Spring Lambs."

Tuesday, April 13

Eastern	Central	Mountain	Pacific
11:30 a. m.	10:30 a. m.	9:30 a. m.	8:30 a. m.

KFAB (340.7m-880kc) "Poultry Hygiene and Sanitation."
12 n. 11 10 9
WRC (468.5m-640kc) Fifty Farm flashes.
1:15 p. m. 12:15 p. m. 11:15 10:15
WOC (483.6m-620kc) "The Use of Milk in Feeding Poultry."

Eastern 1:45 p. m. Central 12:45 p. m. Mountain 11:45 a. m. Pacific 10:45 a. m.
WMAQ (447.5m-670kc), Radio farm school.
WOI (270m-1110kc) "Animal Husbandry."
7:10 6:10 5:10 p. m. 4:10 p. m.
WEAO (293.9m-1020kc) "Fruits—How to Spray."
8 7 6 5
KFRU (399.8m-750kc) "Use of Fertilizer on Corn."
8:33 7:33 6:33 5:33
KYW (535.4m-560kc) American Farm Bureau Federation.
9:30 8:30 7:30 6:30
KOA (322.4m-930kc) Farm question box.

Wednesday, April 14

Eastern	Central	Mountain	Pacific
12 noon	11 a. m.	10 a. m.	9 a.m.

WRC (468.5m-640kc) Fifty farm flashes.
WOC (483.6m-620kc) "Timothy Hay as a Dairy Seed."
1:30 p. m. 12:30 p. m. 11:30 10:30
WFAA (475.9m-630kc) Sears-Roebuck Agricultural program.
1:45 12:45 11:45 10:45
WMAQ (447.5m-670kc) Radio Farm school.
WOI (270m-1110kc) Poultry husbandry.
1:50 12:50 11:50 10:50
KFKX (288.3m-1040kc) "A B C'c of Dairying," C. Long.
8 7 6 p. m. 5 p. m.
WOS (440.9m-680kc) Evening market hour, poultry questions and answers.
9:05 8:05 7:05 6:05
KFAB (340.7m-880kc) "Common Tractor Engine Troubles." "The Cottage for the Cow."
10:15 9:15 8:15 7:15
KWSC (348.6m-860kc) "What Kind of Potato Seed Are You Going to Plant?"

Thursday, April 15

Eastern	Central	Mountain	Pacific
12 noon	11 a. m.	10 a. m.	9 a.m.

WRC (468.5m-640kc) Fifty farm flashes.
1:15 p. m. 12:15 p. m. 11:15 10:15
WOC (483.6m-620kc) "Soy Bean Seeding." "Sweet Clover—Where It Will Grow."
1:45 12:45 11:45 10:45
WMAQ (447.5m-670kc) Radio farm school.
WOI (270m-1110kc) Farm crops.
WEAO (293.9m-1020kc) "Flowers—Blubs for Spring Planting."
8:30 7:30 6:30 p. m. 5:30 p. m.
WOI (270m-1110kc) "Pulling Together—Hitches."
8:33 7:33 6:33 5:33
KYW (535.4m-560kc) American Farm bureau.
9:30 8:30 7:30 6:30
KOA (322.4m-930kc) Farm question box.

Friday, April 16

Eastern	Central	Mountain	Pacific
12 noon	11 a. m.	10 a. m.	9 a.m.

WRC (468.5m-640kc) Fifty Farm Flashes.
1:15 p. m. 12:15 p. m. 11:15 10:15
WOC (483.6m-860kc) Special Farm Service Day.
KTHS (374.8m-800kc) Farmers' Radio Chautauqua.
1:45 12:45 11:45 10:45
WOI (270m-1110kc) Agricultural Economics.
8 7 6 p. m. 5 p. m.
WOS (440.9m-680kc) Evening Market hour, Dairy questions and answers.
8:15 7:15 6:15 5:15
KFRU (399.8m-750kc) "Selecting Machinery and Power Equipment."
KSO (242m-1240kc) Farm talk.
8:30 7:30 6:30 5:30
WOC (483.6m-620kc) Question box.
8:45 7:45 6:45 5:45
WCCO (416.4m-720kc) "Landscape Gardening—Planting and Care of Ornamentals."
9:05 8:05 7:05 6:05
WOS (440.9m-680kc) "Corn in Missouri."

WEL KNOWN BALTIMOR

CLAS

Saturday

Eastern 6 p. m. — Central 5 p. m.
WCX, WEAF, WMCA,
7 — 6
KGO, KYW, WEAR,
WOAW, WOK, WRC.
8 — 7
KDKA, KFNF, KOIL,
WGN, WMBB, WNY
9 — 8
KFOA, KPRC, KHJ,
WLW, WORD, WSAI
10 — 9
KNX, KYW, WEAF,
WOC, WORD.
11 — 10
KGO.
12 m — 11
WOAW.

Sunday,

Eastern 6 p. m. — Central 5 p. m.
WCAU.
7:20 — 6:20
WCAE, WCAU, WEAF
WTAG, WWJ.
8 — 7
KYW, WAMD, WBZ,
WKAQ, WLS, WORI
9 — 8
KFDM, KPRC, KSD,
WCCO, WEAR, WGY
WQJ.
9:15 — 8:15
WEEI, WJAR, WTAG
10 — 9
KHJ, KNX, KTHS,
WNYC, WOC, WQJ,
11 — 10
KFVE, KHJ, KNX, K
WKRC, WOC.
12 m — 11
KHJ, KNX, WOC.
1 a. m. — 12 m
KNX.

Monday

Eastern 6 p. m. — Central 5 p. m.
KGO, WCX, WEAF,
7 — 6
KMA, WCCO, WEAF
WOAW, WOK.
8 — 7
KFNF, KSD, WBBR
WHAR, WHT, WJAR
WTIC.
9 — 8
KFOA, KGO, KHJ,
WBZ, WCAE, WEE
WLW, WORD, WOS
10 — 9
KMA, KPO, KPRC,
WCCO, WEAF, WHA
WTAG.
11 — 10
KGW, KHJ, KMA, KS
WSAI.
12 m — 11
KGW, WBAP, WSAI.
1 a. m. — 12 m
KHJ.

Tuesda

Eastern 6 p. m. — Central 5 p. m.
WBZ, WCX, WEAF,
7 — 6
KGO, KMA, WEAR,
WJR, WMAQ, WO
WWJ.
8 — 7
KFNF, KSD, KYW
WCX, WEAR, WE
WLS, WMBB, WQJ

Monday, April

KGW, Portland, Ore. (491.5m-610kc), (ner concert; 8-9, concert; 9-10, conce
KJR, Seattle, Wash. (384.4m-780kc), Sears, Roebuck and company; Mendels 10, Post Intelligencer studio program.
KLX, Oakland, Calif. (508.2m-590kc), Athens Athletic club orchestra; 8-9, company; 9-10:30, Lake Merritt Ducks.
KMTR, Hollywood, Calif. (238m-1260k Y. M. C. A. program; 8-10, KMTR 10-11, Starr Piano company, studio.
KNX, Hollywood, Calif. (336.9m-890kc) water Kent orchestra; 7-7:30, Mutu contest; 7:30-8, Overell's Furniture program, L. W. Stockwell company; Beste Dental system; 10-11, Goodrich orchestra; 11-12 midnight, Ambassa orchestra.
KOWW, Walla Walla, Wash. (256.3 p. m., Barnett School of Music; 10-.
KPO, San Francisco, Calif. (428.3m p. m., States restaurant orchestra Seiger's Fairmont hotel orchestra; 8 stead's orchestra; 9-10, KFI; 10-1 dance orchestra; 11-12, Henry Halst
KTAB, Oakland, Calif. (239.9m-250kc program.
KWSC, Pullman, Wash. (348.6m-860kc Cougar Coed orchestra; Catherine Bo Faye Norris, banjoist; Dorothy Sturg Ruth Faulkner, pianist; drums, E Latham, pianist.

Tuesday, April

Headliners Today

Eastern 8 p. m. — Central 7 p. m. — Mountain 6 p. m. — Pacific 5 p. m.
WBZ (333.1m-900kc) Hebrew-English program.
WEAF (491.5m-610kc), WEEI, WFI, KSD, WCAE, WWJ, WSAI, WTAG, WGR, WCCO, WOC, WEAR, WJAR, Grand Prize Eurekas.
WLW (422.3m-710kc) Aviation talk.
9 — 8 — 7 — 6
WHB (365.6m-820kc) Southern Melody makers.
WJZ (454.3m-660kc) Orpheus trio.
10 — 9 — 8 — 7
KPRC (296.9m-1010kc) Arabia Temple Shrine band.
11 — 10 — 9 — 8
KFI (467m-642kc) Screen artists string ensemble.
KGO (361.2m-830kc) Metropolitan male singers.
WOC (483.6m-620kc) Whizz Bang dance orchestra.
11:05 — 10:05 — 9:05 — 8:05
WCCO (416.4m-720kc) "A Step On the Stairs," mystery serial.

Michele Bontempo, baritone; Mario Ostumo, pianist; 8:15, A. Wayne, singing baritone; 8:30, Henryetta Turner, ukulele girl; 8:45, Blue Bell serenaders.
WEEI, Boston, Mass. (348.6m-860kc), 8-11:30 p. m., WEAF.
WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 7:10, Bellevue Stratford dance orchestra; 8-11:30, WEAF.
WGBS, New York, N. Y. (315.6m-950kc), 7 p. m., Arrowhead Inn orchestra; 10:30, Arrowhead Inn orchestra.
WGHB, Clearwater, Fla. (265.3m-1130kc), 6:30-7:30 p. m., dinner music; 7:30-7:45, Giles Quarles, King of the Mandalalie; 8:30-9:30, Homer Moore singers; 11:45-1 a. m., Graham Prince and his orchestra.
WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert, Hotel Fuller orchestra; Alouette Payette,

KDKA; 6:30-7, Congress hotel; 8-9, Henrietta Nolan, violinist; Melody quartet; Eulale Kober, pianist; 10-1 a. m., evening at home.
WBAP, Ft. Worth, Texas (475.9m-630kc), 6-6:30 p. m., dinner concert; 7:30-8:30, Rainbow Serenaders; 9:30-11, classical.
WBBM, Chicago, Ill. (225.4m-1330kc), 8-12 midnight, Jack Crawford's Alemite orchestra; Tip trio; Pete Kules; Vivian Sheffer, contralto.
WCBD, Zion, Ill. (344.6m-870kc), 8 p. m., celestial bells, violin quartet; Wiedman Sisters, double duettists; duets, Clark Pitcher and Chester Bagg, Misses Sweeney and Donovan; Alexander De Pew, flutist; Mary Sweeney, soprano; Chester Bagg, baritone.
WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 7 p. m., WEAF; 7:30, WEAF; 8, WEAF; 9, WEAF; 10:05, "A Step On the Stairs," mystery serial;

by Powell Crosley, Jr.; 7:30, piano memories—Mary Louise Woseczek; 8, Crosley Burnt Corkers; 9, Formica orchestra.
WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Hotel LaSalle orchestra; 8:20, Grace and Robert Whitney; 9:55, chimes.
WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon ensemble; Genevieve Burnham, coloraturo soprano; semi-classical operatic program; 9-11, Trianon orchestra; Woodlawn theater orchestra; Eugene Poltnik ensemble; Oxford girls, Joe Warner, Eddie Matts and Billie Donovan; popular program.
WMC, Memphis, Tenn. (499.7m-600kc), 11 p. m., Britling's Cafeteria orchestra.
WNAD, Norman, Okla. (254.1m-1180kc), 7:20 p. m., Dorothy Lee Patzwald, vocalist; choral club; quartet;

WELL-KNOWN BALTIMORE ARTISTS SING "IL PAGLIACCI" AT WBAL

CLASSICAL CONCERTS INDEX

Saturday, April 10
Eastern Central Mountain Pacific
6 p. m. 5 p. m. 4 p. m. 3 p. m.
WCX, WEAF, WMCA, WREO.
7 6 5 4
KGO, KYW, WEAR, WENR, WMAQ, WNYC, WOAW, WOK, WRC.
8 7 6 5
KDKA, KFNF, KOIL, KSD, KYW, WBBR, WGN, WMBB, WNYC, WOAW, WQJ.
9 8 7 6
KFOA, KPRC, KHJ, KYW, WHAS, WIP, WLW, WORD, WSAI, WSOE
10 9 8 7
KNX, KYW, WEAF, WMAQ, WMC, WOAW, WOC, WORD.
11 10 9 8
KGO.
12 m 11 10 9
WOAW.

Sunday, April 11
Eastern Central Mountain Pacific
6 p. m. 5 p. m. 4 p. m. 3 p. m.
WCAU
7:20 6:20 5:20 4:20
WCAE, WCAU, WEAF, WEAR, WEEI, WJAR, WTAG, WWJ.
8 7 6 5
KYW, WAMD, WBZ, WEAR, WOBS, WGCP, WKAQ, WLS, WORD.
9 8 7 6
KFDM, KPRC, KSD, WBZ, WCAU, WCBD, WCCO, WEAR, WGY, WHAR, WHT, WNYC, WQJ
9:15 8:15 7:15 6:15
WEEI, WJAR, WTAG.
10 9 8 7
KHJ, KNX, KTHS, KYW, WCCO, WFAA, WNYC, WOC, WQJ, WSOE
11 10 9 8
KFVE, KHJ, KNX, KPO, KTHS, KYW, WHN, WKRC, WOC
12 m 11 10 9
KHJ, KNX, WOC.
1 a. m. 12 m 11 10
KNX.

Monday, April 12
Eastern Central Mountain Pacific
6 p. m. 5 p. m. 4 p. m. 3 p. m.
KGO, WCX, WEAF, WMCA, WREO, WWJ
7 6 5 4
KMA, WCCO, WEAF, WEAR, WHAD, WJR, WOAW, WOK
8 7 6 5
KFNF, KSD, WBBR, WBZ, WCAP, WCX, WHAR, WHT, WJAR, WLW, WMBB, WTAG, WTIC.
9 8 7 6
KFOA, KGO, KHJ, KPRC, WBBR, WCCO, WBZ, WCAE, WEEI, WHAD, WHO, WJAR, WLW, WORD, WOS
10 9 8 7
KMA, KPO, KPRC, KSD, KTHS, WAMD, WCCO, WEAF, WHAD, WJAR, WOAW, WSUI, WTAG
11 10 9 8
KGW, KHJ, KMA, KSD, KTHS, KWSC, WHN, WSAI.
12 m 11 10 9
KGW, WBAP, WSAI.
1 a. m. 12 m 11 10
KHJ

Tuesday, April 13
Eastern Central Mountain Pacific
6 p. m. 5 p. m. 4 p. m. 3 p. m.
WBZ, WCX, WEAF, WMCA, WREO, WWJ.
7 6 5 4
KGO, KMA, WEAR, WEBH, WGBS, WHAD, WJR, WMAQ, WOAW, WOK, WOR, WTIC, WWJ.
8 7 6 5
KFNF, KSD, KYW, WBZ, WCAL, WCAP, WCX, WEAR, WEEI, WOR, WHAR, WHT, WLS, WMBB, WQJ, WRC, WTIC
Eastern Central Mountain Pacific
9 p. m. 8 p. m. 7 p. m. 6 p. m.
KFDM, KFOA, KGO, KHJ, KLDS, KYW, WCAE, WCBD, WCCO, WEAF, WEEI, WOR, WHAS, WJAR, WLW, WMAQ, WOC, WORD, WTAG
10 9 8 7
KFAB, KFDM, KFUO, KMA, KNX, KPRC, KTHS, WCAE, WCCO, WEAF, WEAR, WEEI, WLW, WMCA, WOC, WSAI, WSOE, WTAG.
11 10 9 8
KGO, KHJ, KMA, KYW, WSAI.
12 m 11 10 9
KPO, KYW, WHO, WMC.

Wednesday, April 14
Eastern Central Mountain Pacific
6 p. m. 5 p. m. 4 p. m. 3 p. m.
WCX, WEAF, WMCA, WREO, WWJ
7 6 5 4
KGO, WEAR, WHAD, WJR, WMAQ, WOK, WTIC
8 7 6 5
KFNF, KPRC, KSD, KYW, WAMD, WBZ, WCX, WEAF, WEEI, WHT, WLW, WMBB, WMCA, WQJ, WTAG, WWJ.
9 8 7 6
KFOA, KGO, KPRC, KSD, KYW, WBZ, WCCO, WDAF, WEEI, WOR, WHAD, WHAS, WJAR, WMAQ, WOR, WOS, WORD
10 9 8 7
KFMX, KMA, KNX, KTHS, WAMD, WCCO, WEAF, WEEI, WOR, WHAD, WJAR, WLS, WMAQ, WNYC, WOC, WSOE.
11 10 9 8
KGO, KGW, KMA, KPO, KTHS, WCAE, WLS, WLW, WOC, WSAI
12 m 11 10 9
KGW, KPO, WHAD, WLW.
1 a. m. 12 m 11 10
WLW

Thursday, April 15
Eastern Central Mountain Pacific
6 p. m. 5 p. m. 4 p. m. 3 p. m.
WBZ, WCX, WEAF, WIP, WMCA, WREO, WWJ
7 6 5 4
KGO, KSD, WEAF, WEAR, WGBS, WHAD, WJR, WMAQ, WOAW, WOK, WWJ
8 7 6 5
KYW, WBBR, WBZ, WCAP, WCCO, WCX, WEAR, WEEI, WOR, WGY, WHAR, WHT, WLS, WLW, WMBB, WOAW, WQJ, WTAG, WTIC
9 8 7 6
KHJ, KLDS, WBAP, WCAE, WCAP, WCBD, WCCO, WEAF, WEEI, WGR, WHAR, WHAS, WJAR, WNYC, WOC, WORD, WRC, WSAI, WSB, WTAG
10 9 8 7
KNX, KPRC, KTHS, KYW, WAMD, WGR, WGY, WHAD, WMC, WOAW, WOC, WSAI
11 10 9 8
KGO, KPO, KTHS, WBAP, WKRC
12 m 11 10 9
KGW, KPO, WHO, WKRC

Friday, April 16
Eastern Central Mountain Pacific
6 p. m. 5 p. m. 4 p. m. 3 p. m.
KGO, WCX, WMCA, WREO, WWJ
7 6 5 4
KGO, WEBH, WGY, WHAD, WJR, WMAQ, WOAW, WOK, WOR, WTIC
8 7 6 5
KYW, WAHG, WAMD, WBZ, WCAE, WCX, WEBJ, WEEI, WHT, WLS, WQJ, WWJ
9 8 7 6
KFDM, KFNF, KFOA, KGO, KHJ, KSD, KYW, WBAP, WBZ, WCAE, WDAF, WEEI, WHAD, WJAR, WMAQ, WMCA, WSAI
10 9 8 7
KFAB, KFDM, KOA, WCCO, WHAD, WMAQ.
11 10 9 8
KFMX, KHJ, KNX, KPO, WARQ
12 m 11 10 9
KPO

Monday, April 12

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert, 8-9, concert, 9-10 concert.
KJR, Seattle, Wash. (384.4m-780kc), 7-8:30 p. m., Sears, Roebuck and company, Mendelssohn trio, 8:30-10, Post Intelligencer studio program.
KLX, Oakland, Calif. (508.2m-590kc), 6-7 p. m., Athens Athletic club orchestra, 8-9, Piggly Wiggly company, 9-10:30, Lake Merritt Ducks.
KMTR, Hollywood, Calif. (238m-1260kc), [illegible] p. m., Y. M. C. A. program, 8-10, KMTR concert orchestra; 10-11, Starr Piano company, studio.
KNX, Hollywood, Calif. (336.9m-890kc), 7 p. m., Atwater Kent orchestra, [illegible] 30, Mutual Motors [illegible] contest; 7:30-8, Overell's Furniture company, [illegible] program, L. W. Stockwell company, 9-10 program, Hesto Dental system; 10-11, Goodrich Silvertown Cord orchestra; 11-12 midnight, Ambassador hotel dance orchestra.
KOWW, Walla Walla, Wash. (256.3m-1170kc), 8-10 p. m., Barnett School of Music, 10-12, dance music.
KPO, San Francisco, Calif. (428.3m-700kc), [illegible] p. m., States restaurant orchestra, [illegible] Rudy Seiger's Fairmont hotel orchestra, 8-9, Henry Halstead's orchestra, 9-10, KFI, 10-11, Cabiria dance orchestra, 11-12, Henry Halstead's orchestra.
KTAB, Oakland, Calif. (239.9m-250kc), 8-10 p. m., program.
KWSC, Pullman, Wash. (348.6m-860kc), 7:15-9 p. m., Cougar Coed orchestra; Catherine Robinson, violinist; Faye Norris, banjoist; Dorothy Sturdy, saxophonist; Ruth Faulkner, pianist; drums, Edna Daw; Vera Lathem, pianist.

Tuesday, April 13

Headliners Today

Eastern Central Mountain Pacific
8 p. m. 7 p. m. 6 p. m. 5 p. m.
WBZ (333.1m-900kc) Hebrew English program
WEAF (491.5m-610kc), WEEI, WFI, KSD, WCAE, WWJ, WSAI, WTAG, WGR, WCCO, WOC, WEAR, WJAR, Grand Prize Eurekas.
WLW (422.3m-710kc) Aviation talk
9 8 7 6
WHB (365.6m-820kc) Southern Melody makers.
WJZ (454.3m-660kc) Orpheus trio
10 9 8 7
KPRC (296.9m-1010kc) Arabia Temple Shrine band
11 10 9 8
KFI (467m-642kc) Screen artists string ensemble
KGO (361.2m-830kc) Metropolitan male singers
WOC (483.6m-620kc) Whiz Bang dance orchestra
11:05 10:05 9:05 8:05
WCCO (416.4m-720kc) "A Step On the Stairs," mystery serial.

Tuesday, silent night for: CFCA, CHIC, CKNC, CNRC, CNRL, CNRM, CNRO, CNRT, CNRW, KUOA, KFUO, KLWA, KOA, KDAC, KOB, KOWW, KUOM, KSAC, KTAB, KWSC, KYX, WABQ, WAHG, WAIU, WAMD, WBBR, WCAL, WCAP, WEMC, WGCP, WHAZ, WJAD, WJAZ, WKAI, WLWL, WMAK, WMAZ, WOI, WOS, WRVA, WSMB, WSUI, WTAM, WTIC.

Eastern Time Stations

CKAC, Montreal, Can. (410.7m-730kc), 7:15 p. m., Windsor hotel dinner program, 8:30, variety concert, 10:30, Harold Leonard's Red Jackets.
CNRA, Moncton, Can. (312.4m-960kc), 8 p. m., program, Mrs. Ethel Bauser Cuzner, director, 10, CNRA orchestra.
KDKA, Pittsburgh, Pa. (309.1m-970kc), 6:30 p. m., dinner concert, [illegible] half hour; 9, program, [illegible]
WADC, Akron, Ohio (258.5m-1160kc), 6:30 p. m., dinner concert [illegible] Hotel Portage quintet, Yellow Cab company [illegible] studio program, 10, Times Press hour.
WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., WBAL dinner orchestra, [illegible] male quartet, [illegible] soprano, George Bolek, pianist, James Wilkinson [illegible] 9-10, U. S. Naval Academy band [illegible]
WBZ, Springfield, Mass. (333.1m-900kc), [illegible] Hotel [illegible] orchestra, 8, Hebrew English program, [illegible]
WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert, William Penn hotel, 8, WEAF, 8:30, WEAF, 9, WEAF, 10, WEAF, 11, Kenyon theater.
WCAU, Philadelphia, Pa. (277.6m-1080kc), [illegible] Ralph [illegible] and his Blue [illegible] Tea Garden dance orchestra
WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., Goldkette orchestra, [illegible]
WEAF, New York, N. Y. (491.5m-610kc), 4 p. m.-12 midnight, Harry Niles, bass, [illegible] Gold Dust Twins, [illegible] Vincent Lopez and his orchestra, [illegible]
WEBJ, New York, N. Y. (272.6m-1100kc), 7 p. m., [illegible]
WEEI, Boston, Mass. (348.6m-860kc), 8-11:30 p. m., WEAF
WFI, Philadelphia, Pa. (394.5m-760kc), [illegible] Bellevue Stratford [illegible] orchestra, 7:10, Bellevue Stratford [illegible]
WGBS, New York, N. Y. (315.6m-950kc), 7 p. m., [illegible]
WGHB, Clearwater, Fla. (265.3m-1130kc), [illegible]
WGHP, Detroit, Mich. (270.1m-1110kc), [illegible] dinner concert, Hotel Fuller orchestra, [illegible]

soprano; 8:15, Skylark dance band, Harr. Hayes, banjoist, Hubert Hausseler, baritone, Wolverine quartet, 12-1 a. m., Gerald Marks and his orchestra.
WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., Vincent Lopez Hotel Statler dance orchestra, 8, WEAF.
WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., Hotel Van Curler orchestra; 7:45, WRC; 8:15, WGY orchestra
WHAR, Atlantic City, N. J. (275.1m-1090kc), 8 p. m., Seaside hotel trio
WHN, New York, N. Y. (361.2m-830kc), 6 p. m., Treasureland Neighbors; 6:30, Everglades orchestra; 7, Iceland orchestra, 7:30, Will Oakland's Chateau, 9, Loew's Eighty third Street orchestra; 11:30, Lexington organ recital, 12, Harry Richman and his entertainers.
WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Monte Cross "Old Timer", 7:15, Nelson Pale and his S. S. Leviathan orchestra; 8:15, Otto Kruger, violinist, Walter Dreer, cellist; Edward Bandls, pianist; 9, P. O. S. of A. band; 10:30, El Patio dance orchestra
WJZ, New York, N. Y. (454.3m-660kc), 7:30 p. m., U. S. Marine band; 8:30, Deltas, Pearl hour; 9, Orpheus trio, 10, grand tour; 10:30, George Olsen's orchestra
WLWL, New York, N. Y. (288.3m-1040kc), 9 p. m.

Jewel Barnet and Freda Leonard, above, called the Humming Birds of the air, are a recent addition to the programs of WGN, Chicago. The leader of four musical organizations in Denver is Howard Tillotson, left, who directs the Brown Palace string orchestra at KOA. T. J. Vastine, right, is the veteran conductor of the Westinghouse Employes' band which is heard every Saturday evening at KDKA.

piano recital, 9:30, Premier male quartet; 10:15, entertainment
WMAK, Buffalo, N. Y. (265.3m-1130kc), 6:15-7:15 p. m., dinner music
WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Olcott Vail and his Hotel McAlpin string ensemble, 6:30, Parody orchestra; 7, Twin Oaks orchestra; 8, Fourth Annual Food Show; 8:30, Poslam Hawaiians 10, Creole Follies; 10:30, Tango orchestra; 11, Ernie Golden and his Hotel McAlpin orchestra; 12, McAlpin entertainers.
WNYC, New York, N. Y. (526m-570kc), 6:30 p. m., The Candlelite, 8, song and instrumental recitals, 9:30, dance program
WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., program, adopted Sesquicentennial
WPG, Atlantic City, N. J. (299.8m-1000kc), 7 p. m., Hotel Morton dinner music; 8, Plaza hotel artist 8:30, Katz and his Kittens; 9, Chalfonte-Haddon Hall Dual trio, 10, Hotel Traymore Grill dance orchestra 10:30, Karl Bonawitz; 11, Silver Slipper Supper club dance orchestra
WRC, Washington, D. C. (468.5m-640kc), 7:30 p. m., United States Marine band concert, 8:30, WJZ; 9, announced, 10, WJZ; [illegible] W. Spencer Tupman and his Hotel Mayflower orchestra
WRVA, Richmond, Va. (256.3m-1170kc), 11-1 a. m., feature program
WTAG, Worcester, Mass. (267.7m-1120kc), 8-8:30 p. m., WEAF, 9-10, WEAF, 10-11, WEAF.
WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 8, WEAF.

Central Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., dinner concert, 8:30-10:30, University of Nebraska program
KFRU, Columbia, Mo. (399.8m-750kc), 6:15 p. m., dinner music
KLDS, Independence, Mo. (440.9m-680kc), 8 p. m., studio recital, Lane Houghton, baritone.
KMA, Shenandoah, Ia. (252m-1190kc), 9-11 p. m., May's Mandolin orchestra.
KMOX, St. Louis, Mo. (280.2m-1070kc), 6 p. m., Arthur [illegible] organist, [illegible] Mrs. Jacques Landree, organist, 7, Dr. Jules [illegible] Mrs. Julius [illegible], 8, Mr. and Mrs. Roland Arnoldy, 9, selections [illegible] Miss Madeline An[illegible]
KOIL, Council Bluffs, Iowa (277.6m-1080kc), 6:05 p. m., Clara Knott, [illegible] soprano; 6:30, Randall [illegible]
KPRC, Houston, Texas (296.9m-1010kc), 7:30 p. m., Ralph Parks, [illegible] Beautiful dance orchestra; 8:30, Houston Real Estate board courtesy program; 9, Arabia Temple Shrine band
KSD, St. Louis, Mo. (545.1m-550kc), 7 [illegible] WEAF
KTHS, Hot Springs National Park, Ark. (374.8m-750kc), 8:15 p. m., [illegible] Al Reynolds, Mrs. Sam Stone, [illegible] Hotel orchestra.
KUOA, Fayetteville, Ark. (299.8m-1000kc), 8 p. m., University glee club quartet, [illegible]
KYW, Chicago, Ill. (535.4m-560kc), 6:05 p. m., KDKA [illegible] Henrietta Nolan, [illegible] Edah Koker, pianist; 10-1
WBAP, Ft. Worth, Texas (475.9m-630kc), 6:30 p. m., [illegible]
WBBM, Chicago, Ill. (225.4m-1330kc), 8-12 midnight, [illegible] Tip trio, Pete [illegible]
WCBD, Zion, Ill. (344.6m-870kc), 8 p. m., celestial [illegible]
WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 7 p. m., WEAF, [illegible] WEAF, 8, WEAF, [illegible] "A Step On the Stairs," mystery serial

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., School of the Air; Trianon ensemble; 11:45-1 a. m., Nighthawk frolic; Ted Weems' Victor Recording orchestra; Billy Adair's orchestra; Johnnie Campbell's orchestra.
WEBH, Chicago, Ill. (370.2m-810kc), 7 p. m., Oriole orchestra; 8, marimba band; saxophone quintet; saxophone quartet; Kathryn Forbes, soprano; 9-9:15, news; 9:15-10, Uptown theater; 11, Oriole orchestra; 12:30 a. m., Bernard Weber, tenor; Oriole trombone duo; Mark Fisher, songs.
WFAA, Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m., Jimmie Joy's orchestra; 8:30-9:30, Southern Methodist university; 11-12 midnight, Enrique Raspolo, violinist; Dallas Athletic club orchestra.
WGBF, Evansville, Ind. (236.1m-1270kc), 8 p. m., Owensville high school band; 9, Evansville Courier classical hour.
WGN, Chicago, Ill. (302.8m-990kc), 6:30-6:45 p. m., Drake concert ensemble, Blackstone string quintet, 6:45, old time favorites; 6:55-7, "The Million Sing"; 8-9, WEAF, 9-10, studio program; 10-10.10, Sam 'n' Henry; 10:10, old-time favorites; 10:20, play shop 10.30-11, studio ensemble
WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., concert Eddie Rosson and his orchestra; special recital, Signor Louis Carosio.
WHB, Kansas City, Mo. (365.6m-820kc), 7-7:45 p. m., dinner hour concert; 8-9, Southern Melody Makers, Honolulu Strummers, Hawaiian selections; songs, Horace Taylor; 9-10, Alfred Vacca, accordionist; Jack Turner, popular soloist
WHO, Des Moines, Iowa (526m-570kc), 7:30-8 p. m., Raleigh quintet, 8-9, varied musical program; 11-12 midnight, Bankers Life Corn Sugar orchestra.
WHT, Chicago, Ill. (399.8m-750kc), 6 p. m., dinner organ recital, Al Carney; 6:40, Grayling's string trio; 6:50, Diamond quartet, Lotus; 9:15 (238m-1260kc), Cinderella cafe orchestra; 9:35, Kitchen Klenzer entertainers, 9:55, popular songs selections; 12, Pat Barnes
WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., dinner program, string trio, vocal numbers; Ruth Flick, reader, Helen Collar, pianist, 12, jamboree; Ted Fiorito, pianist, Dan Russo, violinist; Marie Tully, [illegible], Wanda Myers, [illegible]; Harold Olson, Jack Goodwin, Tennessee Gingersnaps.
WJAD, Waco, Texas (352.7m-1190kc), 8:30-10 p. m., instrumental program
WJJD, Mooseheart, Ill. (370.2m-810kc), 8-9 p. m., children, 10-11, Garod trio; Rushmore ensemble singers; Palmer House Victorians; 12-30 a. m., Settin' up hour
WKRC, Cincinnati, Ohio (422.3m-710kc), 10 p. m., Eugene Perazzo, organist; 11, Eddie Brigode and his Virginians; 11:45, Marie Turner.
WLIB, Chicago, Ill. (302.8m-990kc), 7:30-8 p. m., WEAF; 11-11:20, Correll and Gosden; 11:20-1 a. m., [illegible] harmony duos.
WLS, Chicago, Ill. (344.6m-870kc), 6-10 p. m., Maurie Sherman, College Inn orchestra; 7:15, College Inn orchestra 7:30, Charles Blick, boy violinist; 7:35, Ralph Emerson, organist
WLW, Cincinnati, Ohio (422.3m-710kc), 1 p. m., opening game—Reds vs. Chicago Cubs, to be announced by Powell Crosley, Jr.; 7:30, piano memories—Mary Louise Woszczyk; 8, Crosley Burnt Corkers; 9, Formica orchestra.
WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Hotel LaSalle orchestra; [illegible] chimes.
WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon [illegible], Genevieve Burnham, coloratura soprano; [illegible] 11, Trianon orchestra, Woodlawn theater orchestra; Eugene Poltnik [illegible] Oxford girls, Jack Warner, Eddie Matts and Billie Thomson, popular program
WMC, Memphis, Tenn. (499.7m-600kc), 11 p. m., Britling's cafeteria orchestra.
WNAD, Norman, Okla. (254.1m-1180kc), 7:20 p. m., [illegible]

DANCING
Central Time
Saturday, April 10: 8, Wjr, Wnyc, Wpg; 8:30, Wfaa; 8:35, Wgy; 9, Webh, Weei, Wmbb, Wnyc, Wpg, 9:10, Kths, Wip; 9:30, Kths, Wgbs, Wor, Wrc; 10, Kfve, Kfwa, Kgo, Kpo, Weaf, Wgn, Wjz, Wkrc, Wmca, Wnyc, Wor, Wqj, Wreo, Wtam, 10:05, Wcco; 10:30, Wamd; 10:45, Wis; 11, Kfpg, Kfwa, Kfwb, Kgo, Webh, Wfaa, Webu, Wfo, Woc; 11:30, Kfoa, 11:45, Wdaf; 12, Kfwa, Kgo, Kgw, Knx, Wgbu, Wjjd.
Monday, April 12: 8, Wgcp; 9, Weei, Wgbu, Wjar, Wgr, 9:15, Wahg; 10, [illegible] Wgbu, Wgcp, Wgr, [illegible] Wpg, 10:15, Wor, [illegible] Kfoa, Wgcp, Whn; [illegible] Kgw, Koil, Wgbu, [illegible] Wgr, Whn, Who; [illegible] Wdaf; 12, Knx, Kpo.
Tuesday, April 13: 9, Webh, Wmbb; 9:10, [illegible] Wgbs, Wgy, Wip; [illegible] Wnyc; 10, Kfve, [illegible] Weaf, Webh, [illegible] Wgn, Whn, Wmca, [illegible] Wpg; 10:15, Kths, [illegible] Kths, Whn; 10:45, [illegible] Koil, [illegible] Whn; 11:30, Kfoa, [illegible] Wdaf; 12, [illegible] Knx, Kpo.
Wednesday, April 14: 9, [illegible] Webh, Wgbs, [illegible] 9:15, [illegible] Whn, [illegible] Wgp, Wqj; [illegible] 10, [illegible] Koil, [illegible] Wbbm; 11:45, [illegible] Kfwa, Knx.
Thursday, April 15: 8, [illegible] Webh, Weei, [illegible] Wjr, [illegible] Wgbs, [illegible] Weaf, [illegible] Wgn, [illegible] 12, Kgo, [illegible]
Friday, April 16: [illegible]

WOAI, San Antonio, Texas (394.5m-760kc), 8:30 p. m., Geoghardt Mexican players.
WOAW, Omaha, Nebr. (526m-570kc), 6 p. m., Hugo G. Heyn, xylophonist; 6:50, Ed Myers and his Peony Park orchestra; 10.30, Nightingale orchestra.
WOC, Davenport, Iowa (483.6m-620kc), 7-7:30 p. m., Grand Prize Eurekas, WEAF; 7:30-8, Gold Dust Twins, WEAF; 8-9, Eveready hour, WEAF; 10-11, Heuer's Whizz band dance orchestra.
WOK, Chicago, Ill. (217.3m-1380kc), 10-1:30 a. m., Tearney's Town club orchestra; Pershing Palace orchestra; Capitol theater program; program.
WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9-10 p. m., Ye Old Tyme Songe Feste; 10-12 midnight, Henry Ford Old-Time dance.
WORD, Batavia, Ill. (275.1m-1090kc), 7 p. m., Public Service Company of Northern Illinois.
WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Ralph Williams and his concert orchestra; Leo Miller, violinist; Lorena Anderson, soprano; 10-1 a. m., Ralph Williams and his Skylarks; Rose Vanderbosch, pianist and soprano; Hal Lansing and his uke, Everett Opie, character reader; popular songs; 1-2, Ginger hour.
WSAI, Cincinnati, Ohio (325.9m-920kc), 7 p. m., WEAF; 7:30, musicale; 8, WEAF; 9, musicale.
WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., Lyon and King de luxe concert; 10.45, Green Room frolic, Loew's Grand theater.
WSM, Nashville, Tenn. (282.8m-1060kc), 10 p. m., Beasley Smith's orchestra; Edward Stockman, baritone, Jack Egan, Irish tenor.
WSOE, Milwaukee, Wis. (245.8m-1220kc), 8.45 p. m., movie review, Peggy Patton; 9, Milwaukee County Federation of Women's clubs; 10, Leon Grieb, tenor.

Mountain Time Stations

CFAC, Calgary, Can. (435.8m-688kc), 8-9 p. m., Y. M. C. A. concert
CNRR, Regina, Can. (476m-640kc), 8 p. m., program, Mrs. R. Taylor's concert party.
KFXF, Colorado Springs, Colo. (250m-1200kc), 8-9 p. m., Cleora Wood Schmidt, soprano, Wilhelm Schmidt, pianist
KOA, Denver, Colo. (322.4m-930kc) 6:30 p. m., Brown Palace string orchestra.

Pacific Time Stations

CNRV, Vancouver, Can. (291.1m-1030kc), 8:30 p. m., Edna Haywood, xylophonist; Dorothy Bridge, soprano, Dorothy Denison, pianist, Richard Stanton, tenor, 10:30, Cabaret Belmont orchestra; Bebe Mullar, soprano.
KFI, Los Angeles, Calif. (467m-642kc), 6:30 p. m., vest pocket program; 6:45, Radiotorial period; 7-7:30, Chinese Gardens orchestra; 7:30-8, [illegible] Jack and Jean trio, 8-9, Screen Artists string ensemble; 9-10, popular program; 10-11, Packard Radio club.
KFON, Long Beach, Calif. (232.4m-1280kc), 7-7:30 p. m., studio program; 8-9, Press Telegram studio; 9-11, Long Beach Aero club frolic.
KFWB, Hollywood, Calif. (252m-1190kc), 8-9 p. m., Patrick-Marsh dance orchestra, Betty Patrick, soloist; 9-10, Gorman string trio, Jean Hayden, soprano; 10-11, Bill Hatch's Oakmont Country club orchestra.
KGO, Oakland, Calif. (361.2m-830kc), [illegible] p. m., twilight concert, 8-9, Eveready program, Metropolitan male singers, Vladimir Drucker, trumpeter, Louise Pelos, pianist; [illegible] Mrs. A. Ford, [illegible] Stanford Moses, bass, Lenore Keithley, soprano; 10-12 midnight, Madison's Midshipmen, dance orchestra.
KGW, Portland, Ore. (491.5m-610kc) 6-7 p. m., dinner concert, [illegible] quartet, 10-12, Herman Kenin [illegible] orchestra
KHJ, Los Angeles, Calif. (405.2m-740kc), 6-10 p. m., [illegible]

KJR, Seattle, Wash. (384.4m-780kc), 8:30-10 p. m., orchestra.
KMTR, Hollywood, Calif. (238m-1260kc), 6-7 p. m., Starr Piano company studio; 7:45, Hollywood community sing, 8-10, KMTR concert orchestra.
KNX, Hollywood, Calif. (336.9m-890kc), 6:30-7 p. m., Atwater Kent orchestra; 7-7:45, program, Geo. E. Read, Inc.; 8-9, program, Globe Ice Cream and Weber Bread; 9-10, program, Western Auto Supply company; 10-12 midnight, Ambassador hotel dance orchestra.
KOWW, Walla Walla, Wash. (256.3m-1170kc), 8-10 p. m., studio program; 10-12, dance program.
KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7 p. m., States restaurant orchestra, 7-7:30, Rudy Seiger's Fairmont hotel orchestra; 8-9, Donner Lake Camp orchestra contest; 9-10, Mona Motor Oil company, trio, Gypsy and Marta, harmony team; 10-11, Palace hotel dance orchestra, 11-12, Henry Halstead's dance orchestra
KPSN, Pasadena, Calif. (315.6m-950kc), 8-9 p. m., Adolf Tandler instrumental group
KTAB, Oakland, Calif. (239.9m-250kc), 8-9 p. m., Mills college.

Wednesday, April 14

Headliners Today

Eastern Central Mountain Pacific
8 p. m. 7 p. m. 6 p. m. 5 p. m.
WEAO (293.9m-1020kc) Special program.
WTIC (475.9m-630kc) Clef male quartet.
8:30 7:30 6:30 5:30
KDKA (309.1m-970kc) Russian chorus.
WHAS (399.8m-750kc) Jake Seligman and Kentucky Nightowls.
9:55 8:55 7:55 6:55
WMAQ (447.5m-670kc) WMAQ players.
10 9 8 7
KTHS (374.8m-800kc) Solo specialties.
WGR (319m-940kc) Buffalo Choral club.
10:30 9:30 8:30 7:30
WOC (483.6m-620kc) "Ten Nights in a Barroom," drama.
11 10 9 8
KNX (336.9m-890kc) Joe Daley's comedians.
12 m. 11 10 9
WSM (282.8m-1060kc) Beethoven string quartet.

Wednesday, silent night for: CHIC, CKAC, CKNC, CNRA, CNRC, CNRE, CNRM, CNRR, CNRT, CNRV, KFAU, KFXF, KGO, KLDS, KMMJ, KOB, KOIL, KPSN, KSAC, KTAB, KUOA, WABQ, WAIU, WBAL, WBAP, WBBR, WCAL, WCBD, WEBW, WFAA, WGBF, WGBS, WGCP, WHAR, WHAZ, WIP, WJAD, WJAZ, WLWL, WMC, WOAI, WOAW, WOI, WPG, WRC, WRR.

Eastern Time Stations

CFCA, Toronto, Can. (356.9m-840kc), 7 p. m., Salvation Army band concert, 11, Gilbert Watson and his orchestra
CNRO, Ottawa, Can. (435.8m-688kc), 8 p. m., Chateau Laurier concert orchestra, 9, string quartet; Gladys Ewart, pianist; dance orchestra
KDKA, Pittsburgh, Pa. (309.1m-970kc), 6:30 p. m., dinner concert, 8:30, [illegible] chorus, Russian band
WADC, Akron, Ohio (258.5m-1160kc), 6:30 p. m., dinner concert, Carney Richards, Hotel Portage quintet
WAHG, Richmond Hill, N. Y. (315.6m-950kc), 7:30 p. m., studio program; 8:15, Raymond Mazer, tenor; [illegible] tenor, Richard Delmonte, [illegible]; 9:20, [illegible] quartet; [illegible] Elspeth Brownell, pianist; Frank Jager, baritone
WBZ, Springfield, Mass. (333.1m-900kc), 6:45 p. m., Hotel Kimball [illegible] ensemble, 8, "The [illegible]"; 9, WBZ [illegible]
WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert, William Penn hotel, 8, WEAF; 8:30, WEAF; 9, studio concert, 10, Kenyon orchestra.
WCAP, Washington, D. C. (468.5m-640kc), [illegible] WEAF
WCAU, Philadelphia, Pa. (277.6m-1080kc), [illegible]
WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., Goldkette orchestra, [illegible] studio program
WEAF, New York, N. Y. (491.5m-610kc), 4 p. m.-12 [illegible] Ray Nichols' Recording orchestra, [illegible] Vincent Lopez and his orchestra, [illegible]
WEAO, Columbus, Ohio (293.9m-1020kc), 8 p. m., special program, dedicating WEAO New Transmitting station
WEBJ, New York, N. Y. (272.6m-1100kc), [illegible]
WEEI, Boston, Mass. (348.6m-860kc), 7:45 p. m., "Poetry Workshop of Mt. Holyoke", 8-10, WEAF.
WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra, 7, Bellevue Stratford dance orchestra
WGBS, New York, N. Y. (315.6m-950kc), 6 p. m., Uncle Geebee; 6:30, Jersey Collegians; 7, Inspirational half hour
WGCP, New York, N. Y. (252m-1190kc), 7-8:30 p. m., studio program
WGHB, Clearwater, Fla. (265.3m-1130kc), 6:30-7:30 p. m., dinner music, 8:30-9:30, E. H. King, baritone, W. Craig, concert soprano; 11:15-1 a. m., midnight ramble, Graham Prince and his orchestra.
WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert, Hotel Fuller orchestra, Anne Patterson, mezzo soprano, 8, Little Symphony orchestra, male quartet, Madame Gizi Szanto, pianist; Jean Courtois, violinist, Martin Fassenkemper, clarinetist; 12-1 a. m., Gerald Marks and his orchestra
WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., Century orchestra, 8, WEAF, 10, Buffalo choral club; 10:30, W. L. MacRae and associate artists, 11, Yankee Six orchestra
WGY, Schenectady, N. Y. (379.5m-790kc), 7 p. m., Eastman theater, WHAM; 8:05, WHAM.
WHN, New York, N. Y. (361.2m-830kc), 7:30 p. m., Lexington organ recital, 8, Vogue entertainers, 9, Loew's New York orchestra, 9:30, Dance entertainers, 10, Roseland dance orchestra, 10:30, Anatol Friedland, 11, Silver Slipper orchestra, 12, [illegible] orchestra
WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin hotel concert orchestra
WJZ, New York, N. Y. (454.3m-660kc), 7 p. m., Markel's orchestra, 8:30, Lewisohn free chamber music concert, 10:15, George Olsen's Hotel Pennsylvania orchestra
WLIT, Philadelphia, Pa. (394.5m-760kc), 7:30 p. m., Dream Daddy's bedtime stories, 8, Arcadia cafe concert orchestra, [illegible] P. R. R. band and orchestra; 10, Arcadia cafe dance orchestra
WLWL, New York, N. Y. (288.3m-1040kc), 9:15 p. m., [illegible] concert, 10:15, entertainers
WMAK, Buffalo, N. Y. (265.3m-1130kc), 7:30-8 p. m., recital, Harry Jackson, tenor, 8-8:30, George Hurst, violinist, Mrs. Dorothy Meredith, pianist, 8:30-9:30, recitale, 9-10:10, song recital, Mrs. Gertrude Zimmerman
WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Olcott Vail and his Hotel McAlpin string ensemble, 6:30, Ernie Golden and his Hotel McAlpin orchestra, 8:30, Fourth Annual Food Show, 9, [illegible], 10:30, Creole Follies, 11, [illegible] entertainers, 11:30, Jack Denny's orchestra, 12, McAlpin entertainers
WNYC, New York, N. Y. (526m-570kc), 6:30 p. m., piano selections, 7:15, concert program, 9, violin recital, 9:30, piano selections, [illegible] Cantor [illegible], baritone
WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Sylvania dinner dance orchestra, 8, WEAF, 10, Fox theater [illegible] dance orchestra
WRVA, Richmond, Va. (256.3m-1170kc), 8-10 p. m., Southern Hawaiian players, 8:30, Virginians; 9:15, Augusta Military academy orchestra, 10:15, Ernest H[illegible]
WTAG, Worcester, Mass. (267.7m-1120kc), 8-8:30 p. m., WEAF, 8:30-9, WEAF, 9-10, Assumption college musical club, 10-11, WEAF.
WTIC, Hartford, Conn. (475.9m-630kc), 6:30 p. m., Hotel Bond trio, 8, piano recital, Clef male quartet, Arcadia Tylers' quartet, 8:15, piano recital, Laura Gaudet; 9:30, organ recital, Father Nelson
WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 8, News orchestra; 9, dance program, 10, WEAF.

Central Time Stations

CNRW, Winnipeg, Can. (384.4m-780kc), 7:30 p. m., Irvin A. Plumm and his Fort Garry hotel orchestra, 8:30, Knox Crescent church choir, 10, Supper dance club.
KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., dinner concert; 8:30-10:30, Little symphony orchestra, Hazlett Cruise, Cowbell Boys, Ed Lillegreen, Original songbird; Harmony boys, vocal and piano numbers
KFRU, Columbia, Mo. (399.8m-750kc), 9-11 p. m., musical program
KMA, Shenandoah, Ia. (252m-1190kc), 9-11 p. m., clog dancing, Willy Cunningham
KMOX, St. Louis, Mo. (280.2m-1070kc), 6 p. m., Arthur [illegible], organist, 6:10, Mrs. Jacques Landree, organist, 7, Missouri theater; debate; 8, Gordon Morrison guitarists; Helen Brady, soprano; 9, song cycle, 10, dance music.
KPRC, Houston, Texas (296.9m-1010kc), 6:30 p. m., Harold Daley's Warwick hotel concert orchestra, 7:30, C. Sowerby, tenor, 7:45, Jack Willrich's orchestra, Virginia Willrich, piano accordionist; 8:30, Frank Tilton, boy pianist; 11, Vaughan's Virginians dance orchestra
KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., WEAF, [illegible] Hotel Statler orchestra, 8, WEAF
KTHS, Hot Springs National Park, Ark. (374.8m-750kc), [illegible] p. m., KTHS staff artists; [illegible], Hot Springs Harmony Twins.
KYW, Chicago, Ill. (535.4m-560kc), 6-9:15 p. m., KDKA, 7:30, half hour of music; 8, Sherwood School of Music, [illegible] revue.
WAMD, Minneapolis, Minn. (243.8m-1230kc), 7-10 p. m., classical program, 11, frolic.
WBAP, Ft. Worth, Texas (475.9m-630kc), 6-6:30 p. m., dinner concert
WBBM, Chicago, Ill. (225.4m-1330kc), 8-10 p. m., Barber Shop quartet, Billy Spears tourist bureau; 9-9:15, old song period; Phillip Nilles, tenor; Floyd Falch, 12-2, Atlantic orchestra, Harold Anderson, accordionist, Sy Berg, Bob Will
WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 7 p. m., WEAF, 8, WEAF, 9, Nash-Finch concert orchestra, [illegible] Marigold Garden dance orchestra; 11.30, organ recital, Eddie Dunstedter
WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., School of the Air; Trianon ensemble; 8-9, WDAF players; 9-10, classical program, Star's orchestra; vocal pupils of Franklin Hunt, 11:45-1 a. m., Nighthawk frolic.
WEBH, Chicago, Ill. (370.2m-810kc), 7 p. m., Oriole orchestra, 8, Oriole string trio; 9-9:15, news flashes; 9:15, Frank Bordner, songs, Florence Behrend, soprano, 11-12 [illegible] a. m., Oriole orchestra; Florence Behrend, impromptu review, Bernice Follis; Oriole orchestra
WEMC, Berrien Springs, Mich. (285.5m-1050kc), 8:15 p. m., Lighthouse Music Makers; Eleanor McClanahan, pianist; Ellis Maas, baritone; Jeanette Richardson, piano
WGN, Chicago, Ill. (302.8m-990kc), 6.30-6.45 p. m., Drake concert ensemble, Blackstone string quintet; 6.45, old time favorites, 6:55-7, "The Million Sing"; 9-10, studio program 10-10, Sam 'n' Henry; 10:10-10:20, old time favorites; 10:20, play shop; 10:40-11, studio ensemble.
WHAS, Louisville, Ky. (399.8m-750kc), 7.30-9 p. m., Jake Seligman and his Kentucky Night Owls.
WHB, Kansas City, Mo. (365.6m-820kc), 7-8 p. m., Mills Finley trio, banjo mandolin duet, vocal quartet, Jerry Delzone, Nellie Delzone, Fannie Baldwin and Georgia Blum, John Blum, pianist.

FARMERS' PROGRAMS INDEX

Farmer Dinner Concerts
Daily Except Sunday
CENTRAL TIME
KFNF, 12:15-1:35 p. m.
KMA, 11:30-12:30
KSO, 12:30-1:30 p. m.
WLS, 12 noon.

Saturday, April 10
Eastern Central Mountain Pacific
1 p. m. 12 noon 11 a. m. 10 a. m.
KPRC (296.9m-1010kc) Farmers educational and musical program
1:45 12:45 p. m. 11:45 10:45
WOI (270m-1110kc) Soils, questions and answers.
8 7 6 p. m. 5 p. m.
KDKA (309.1m-970kc) Farm program
9:30 8:30 7:30 6:30
KFAU (280.2m-1070kc) Agricultural talk, question box.

Sunday, April 11
Eastern Central Mountain Pacific
3:30 p. m. 2:30 p. m. 1:30 p. m. 12:30 p. m.
WFAA (475.9m-630kc) Sunday hour for farmers.

Monday, April 12
Eastern Central Mountain Pacific
12 noon 11 a. m. 10 a. m. 9 a. m.
WRC (468.5m-640kc) Fifty Farm flashes
1:15 p. m. 12:15 p. m. 11:15 10:15
WOC (483.6m-620kc) "The Backbone Essentials of the Ideal Pasture for Pigs."
WEAO (293.9m-1020kc) Timely Economic Information for the farmer, C. J. West
1:45 12:45 11:45 10:45
WOI (270m-1110kc) "Tuberculosis in Livestock."
WMAQ (447.5m-670kc) Radio farm school
7 6 5 p. m. 4 p. m.
WGY (379.5m-790kc) Agricultural program
7:45 6:45 5:45 4:45
WSOE (246m-1220kc) Hog Raising.
8 7 6 5
WOS (440.9m-680kc) Livestock questions and answers.
8:30 7:30 6:30 5:30
KFOA (299.8m-1000kc) Farm Filosofy, Cy Adams "Soy Beans for Hay," "Influence of Farmers' Week on Scott county," "Making the Water Walk Instead of Run Off."
WOI (270.1m-1110kc) "Let's Have Some Strawberries Next Year."
WMC (499.7m-600kc) Farm talk
8:45 7:45 6:45 5:45
WCCO (416.4m-720kc) "Alfalfa and Sweet Clover How Often May Alfalfa Be Cut?"
9:30 8:30 7:30 6:30
KOB (348.6m-860kc) "[illegible] Growing" "Concrete on the Farm."
KOAC (280.2m-1070kc) Agricultural question box "The Price of Dairying in Oregon Agriculture."
10:30 9:30 8:30 7:30
KOAC (280.2m-1070kc) Clover Mildew
10:35 9:35 8:35 7:35
KOAC (280.2m-1070kc) Electricity in Oregon Agriculture "Future of the Pear Industry."
11:05 10:05 9:05 8:05
KGO (361.2m-830kc) "Marketing Early California Spring Lambs."

Tuesday, April 13
Eastern Central Mountain Pacific
11:30 a. m. 10:30 a. m. 9:30 a. m. 8:30 a. m.
KFAB (340.7m-880kc) "Poultry Hygiene and Sanitation."
12 n. 11 10 9
WRC (468.5m-640kc) Fifty Farm flashes
1:15 p. m. 12:15 p. m. 11:15 10:15
WOC (483.6m-620kc) "The Use of Milk in Feeding Poultry."
Eastern Central Mountain Pacific
1:45 p. m. 12:45 p. m. 11:45 a. m. 10:45 a. m.
WMAQ (447.5m-670kc), Radio farm school
WOI (270m-1110kc) "Animal Husbandry."
7:10 6:10 5:10 p. m. 4:10 p. m.
WEAO (293.9m-1020kc) "Fruits—How to Spray."
8 7 6 5
KFRU (399.8m-750kc) "Use of Fertilizer on Corn."
8:33 7:33 6:33 5:33
KYW (535.4m-560kc) American Farm Bureau Federation
9:30 8:30 7:30 6:30
KOA (322.4m-930kc) Farm question box.

Wednesday, April 14
Eastern Central Mountain Pacific
12 noon 11 a. m. 10 a. m. 9 a.m.
WRC (468.5m-640kc) Fifty farm flashes.
WOC (483.6m-620kc) "Timothy Hay as a Dairy Feed."
1:30 p. m. 12:30 p. m. 11:30 10:30
WFAA (475.9m-630kc) Sears-Roebuck Agricultural program
1:45 12:45 11:45 10:45
WMAQ (447.5m-670kc) Radio Farm school.
WOI (270m-1110kc) Poultry husbandry
1:50 12:50 11:50 10:50
KFKX (288.3m-1040kc) "A B C's of Dairying." C. Long
8 7 6 p. m. 5 p. m.
WOS (440.9m-680kc) Evening market hour, poultry questions and answers
9:05 8:05 7:05 6:05
KFAB (340.7m-880kc) "Common Tractor Engine Troubles." "The Cottage for the Cow."
10.15 9:15 8:15 7:15
KWSC (348.6m-860kc) "What Kind of Potato Seed Are You Going to Plant?"

Thursday, April 15
Eastern Central Mountain Pacific
12 noon 11 a. m. 10 a. m. 9 a.m.
WRC (468.5m-640kc) Fifty farm flashes
1:15 p. m. 12:15 p. m. 11:15 10:15
WOC (483.6m-620kc) "Soy Bean Seeding." "Sweet Clover—Where It Will Grow."
1:45 12:45 11:45 10:45
WMAQ (447.5m-670kc) Radio farm school
WOI (270m-1110kc) Farm crops
WEAO (293.9m-1020kc) "Flowers—Bulbs for Spring Planting."
8:30 7:30 6:30 p. m. 5:30 p. m.
WOI (270m-1110kc) "Pulling Together—Hitches."
8:33 7:33 6:33 5:33
KYW (535.4m-560kc) American Farm bureau
9:30 8:30 7:30 6:30
KOA (322.4m-930kc) Farm question box.

Friday, April 16
Eastern Central Mountain Pacific
12 noon 11 a. m. 10 a. m. 9 a.m.
WRC (468.5m-640kc) Fifty Farm Flashes
1:15 p. m. 12:15 p. m. 11:15 10:15
WOC (483.6m-620kc) Special Farm Service Day.
KTHS (374.8m-800kc) Farmers' Radio Chautauqua.
1:45 12:45 11:45 10:45
WOI (270m-1110kc) Agricultural Economics.
8 7 6 p. m. 5 p. m.
WOS (440.9m-680kc) Evening Market hour, Dairy questions and answers.
8:15 7:15 6:15 5:15
KFRU (399.8m-750kc) "Selecting Machinery and Power Equipment."
KSO (242m-1240kc) Farm talk
8:30 7:30 6:30 5:30
WOC (483.6m-620kc) Question box.
8:45 7:45 6:45 5:45
WCCO (416.4m-720kc) "Landscape Gardening—Planting and Care of Ornamentals."
9:05 8:05 7:05 6:05
WOS (440.9m-680kc) "Corn in Missouri."

ANN PENNINGTON TO FACE WOR MIKE

Like the sturdy Norsemen of old, The Vikings are conquering the air over the WEAF chain. Aage Sorenson, above, wearing a costume similar to those worn by the old time Vikings, is a soloist of the group.

Wednesday, April 14

WHO, Des Moines, Iowa (526m-570kc), 6-7 p. m., Bankers Life Little symphonic orchestra; 7:15-8:15, Irene Dorans Little symphony; 8:15-9, Arthur Frey, banjoist; Kate Miller, whistler; Harry Lewis, popular songster; Norman Broholm, pianist; 9-12 midnight, dance program.

WHT, Chicago, Ill. (399.8m-750kc), 6 p. m., Peter Porstner; Helen Rauh, pianist; 7:45-9:15, Cinderella cafe orchestra; 9:30, Al Carney and Pat Barnes; 10:05, Ray-O-Vac concert; 11:15, Cinderella cafe orchestra; 11:30, Pat Barnes and Al Carney; 12, Pat Barnes and Al Carney.

WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., dinner concert, string trio; Charles Champlin, baritone; Christopher Hendra, tenor; Earl Bigelow, pianist; 10-12, popular program, Marie Tully, songster; Wayne Myers, reader; Melody Strummers; Tommy Smith, songster; Melody three; Vic Fredericks.

WJJD, Mooseheart, Ill. (370.2m-810kc), 8-9 p. m., Mooseheart children; 10-11, Isabel Defaut, Simeon Oliver, Palmer House Victorians; 12:30 a. m., Settin' up hour.

WKRC, Cincinnati, Ohio (422.3m-710kc), 6 p. m., Hotel Alms orchestra; 8:15, Winnie Pippin, soprano; Oliver Plunkett, tenor; 9, instrumental quintet; 12 midnight, Wesley Helvey and his orchestra.

WLIB, Chicago, Ill. (302.8m-990kc), 7:30-7:40 p. m., Auld Sandy; 7:40-8, musical program; 8-9, WEAF; 11-11:20, Correll and Gosden; 11:20-1 a. m., studio ensemble, dance music, harmony duos.

WLS, Chicago, Ill. (344.6m-870kc), 6:40 p. m., College Inn orchestra; 7:30, Ralph Emerson, organist; 8, Northwestern R. R. band; 9, WLS trio; 9:30, St. Mark's M. E. church choir; 10:15, Blackfriars; 11-1, drops.

WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., dinner hour, Hotel Gibson; 10, dance music, Castle Farm; 10:30, Crosley male quartet; 11, Maids of Melody; 11:15, organ recital, Johanna Grosse.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Hotel LaSalle orchestra; 8:25, Hyde Park high school girls' glee club; 8:55, WMAQ players.

WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon duo, Eleanor Kaplan, violinist; Preston Graves, pianist; Edwin House, bass-baritone; 9-11, Trianon orchestra, Woodlawn theater orchestra; Cecil and Esther Ward, Hawaiian guitarists; Eddie Wallace, tenor; Scotty Welch and Madison Sisters, Tracy and Duncan; popular program.

WNAD, Norman, Okla. (254.1m-1180kc), 7:40 p. m., Lois Mozley, pianist; Hettie Maloy, vocalist; Edna Whitlock, pianist; 9, WNAD miniature symphony.

WOAI, San Antonio, Texas (394.5m-760kc), 8:30 p. m., Army night.

WOC, Davenport, Iowa (483.6m-620kc), 7-7:30 p. m., WEAF; 9, Earl Ferris Nursery trio; 9:30, "Ten Nights in a Barroom," WOC players.

WOK, Chicago, Ill. (217.3m-1380kc), 10 p. m.,-1:30 a. m., Tearney's Town club orchestra; Pershing Palace orchestra; Capitol theater program; program.

WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9-10 p. m. Willard Battery hour; 10-12 midnight, Regent Roof orchestra; Ruth Glacer, Pearl Knudson, Sid Goldman.

WORD, Batavia, Ill. (275.1m-1090kc), 7 p. m., North Shore Line; 9, Webster hotel concert trio; I. B. S. A. choral singers.

WOS, Jefferson City, Mo. (440.9m-680kc), 8:15 p. m., program, Bowling Green, Mo.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Ralph Williams and his concert orchestra; Otis Jester, soprano; Mary House, concert pianist; Kenneth Sterling, pianist; 10-1 a. m., Ralph Williams and Skylarks; Melodians; Oxford Girls, Gail Bandell and artists; 1-2, Ginger hour.

WSAI, Cincinnati, Ohio (325.9m-920kc), 7-9 p. m., WEAF; C. Conservatory of Music; 10:15, Congress Playing Card string quartet.

WSB, Atlanta, Ga. (428.3m-700kc), 10:45 p. m., Biltmore hotel orchestra.

WSBT, South Bend, Ind. (275.1m-1090kc), 7:15 p. m., orchestra, concert.

WSM, Nashville, Tenn. (282.8m-1060kc), 6:30 p. m., Francis Craig's orchestra; 8, Mrs. T. E. Miles, contralto; 10, Vanderbilt university; 11, Beethoven string quartet.

WSOE, Milwaukee, Wis. (245.8m-1220kc), 10:30 p. m., Hollywood symphony orchestra.

Mountain Time Stations

KFWA, Ogden, Utah (260.7m-1150kc), 9-10 p. m., Olie Reeves and his orchestra; 10-11, Paramount theater; 11-12, Olie Reeves and his orchestra.

KOA, Denver, Colo. (322.4m-930kc), 8 p. m., Scheuerman's Colorado orchestra; 8:15, Public Service company of Colorado; KOA orchestra; Denver concert quartet; 10, Broadmoor Rhythm Rustlers.

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 6:30 p. m., vest pocket program; 6:45, Radiotorial period; 7-7:30, Grebe Synchrophase string ensemble; 8-9, program, Ventura Refining company; 9-10, program, Chevrolet Motor company of California; 10-11, popular program.

KFON, Long Beach, Calif. (232.4m-1280kc), 7-8 p. m.,

Eastern	Central	Mountain	Pacific
9 p. m.	8 p. m.	7 p. m.	6 p. m.

WSB (428.3m-700kc) Georgia Booster program.

9:45	8:45	7:45	6:45

WFI (277.6m-1080kc) Comedy lesson.

11	10	9	8

KGO (361.2m-830kc) Treble Cleff society.
KGW (491.5m-610kc) Vaudeville.
KPO (428.3m-700kc) Harmony team.

11:30	10:30	9:30	8:30

KTHS (374.8m-800kc) Special request hour.

12 m.	11	10	9

KGO (361.2m-830kc) Two one-act plays, "Pure Moonshine," and "A Resourceful Wife."
KNX (336.9m-890kc) Wisecrackers club.
KPO (428.3m-700kc) Swiss band.
WMCA (340.7m-880kc) Broadway night.

1:15 a. m.	12:15 a. m.	11:15	10:15

WLW (422.3m-710kc) Night Howls.

Thursday, silent night for: CHIC, CKNC, CNRA, CNRE, CNRO, CNRR, CNRT, CNRV, CNRW, KFAB, KFAU, KFMX, KFOA, KFUO, KFWA, KLX, KMOX, KOA, KOAC, KOB, KSAC, KWSC, PWX, WABQ, WAFD, WAHG, WAIU, WCAP, WCEE, WDOD, WEAO, WEBJ, WEBW, WEMC, WGBF, WHAD, WHAZ, WJJD, WMAK, WMAZ, WOOD, WOR, WOS, WSM, WSUI, WTAM.

Eastern Time Stations

CKAC, Montreal, Can. (410.7m-730kc), 8:30 p. m., Canadian National Railways program; 11:15, classical request organ music, Buddy Payne.

CNRM, Montreal, Can. (410.7m-730kc), 8:30 p. m., Gilbert and Sullivan opera night.

KDKA, Pittsburgh, Pa. (309.1m-970kc), 6:30 p. m., dinner concert; 8:15, farm program; 8:30, with famous composers, Little Symphony orchestra; 9, Geneva college program; Alta Shultz, contralto; George Kirk, baritone; Gerald McElhany, pianist; Andrew Calhoon, violinist; Beatrice Carl Sohn, reader; Keith Hammond, reader; 11, concert.

WADC, Akron, Ohio (258.5m-1160kc), 6:30 p. m., dinner concert, Carnes Richards Hotel Portage quintet; 9:30, studio program; 10, Goodrich Silvertown Cord orchestra.

WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., dinner concert; 7:30-8, Frederick D. Weaver, organist; 8-10, Elna Proffen, soprano; Bess Perry, contralto; Morris Cromer, baritone; Joyce Barber, pianist; Hendrik Essers, violinist; Michael Richter, flutist.

WBBR, New York, N. Y. (272.6m-1100kc), 8 p. m., Ruth de Boer and Elvira Kiefer, vocalists; Malcolm Carment, clarinetist.

WBZ, Springfield, Mass. (333.1m-900kc), 6:45 p. m., Hotel Lenox ensemble; 7:30, Sidney H. Kohn, baritone; 8, Leo Reisman's orchestra; 9, Mrs. Marguerite Boyce, soprano; Arthur Ballance, baritone; 9:30, Arthur Clifton, organist.

WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert, William Penn hotel; 8, WEAF; 8:30, WEAF; 9, WEAF; 10, WEAF.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:30 p. m., Billy Hays and his orchestra; 7:30, Snellenburg symphony orchestra; 8, recital; 8:15, Eight Bright Boys; 8:45, The Kandy Kids; 9, Barry O'Moore, Irish tenor; 9:30, The Musical Chefs; 9:45, comedy lesson, Professor Doolittle; 10, Sesqui-centennial hour; 11, Ralph Jackson and his Blue Grass orchestra; 11:30, Club Madrid review.

WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., Goldkette ensemble; 8, program.

WEAF, New York, N. Y. (491.5m-610kc), 4 p. m.-12 midnight, Pauline Haggard, pianist; Eddie Stanger, baritone; Vincent Lopez and his orchestra; Hire's Harvesters, Clicquot Club Eskimos, Silvertown Cord orchestra, Vincent Lopez and his orchestra.

WEAO, Columbus, Ohio (293.9m-1020kc), 8:15 p. m., orchestra concert; 8:30, Marjorie Rosemond, soprano.

WEEI, Boston, Mass. (348.6m-860kc), 7:30 p. m., Rickenbacker's Old Homestead; 8-10, WEAF.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra; 8, WEAF; 11, Bellevue Stratford dance orchestra.

WGBS, New York, N. Y. (315.6m-950kc), 6 p. m., Uncle Geebee; 6:30, Mal Hallet's orchestra; 10:30, orchestra.

WGHB, Clearwater, Fla. (265.3m-1130kc), 6:30-7:30 p. m., Belleair estates; 8:30-10, diversified program; 11:45-1 a. m., ramble, orchestra.

WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert, Hotel Fuller orchestra; Charles Hutton, baritone; 10, WGHP Frolickers; Heck and Mack; Gladys Luber; Gladys Sanderson and her uke; Mr. and Mrs. Eddie McGrath; 11, Skylark dance band; 12-1 a. m., Gerald Marks and his orchestra.

WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., Vincent Lopez Hotel Statler dance orchestra; 8, WEAF; Harry Horlick's dance orchestra.

WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., Ten Eyck trio; 7:45, Syracuse university, WFBL, WHAM; 9, WJZ; 10, Marion Brewer, soprano; Helen Cook, reader; Rice string quartet; 11:30, Stephen E. Boisclair, organist.

WHAR, Atlantic City, N. J. (275.1m-1090kc), 8 p. m., Seaside hotel trio; 11, Follies Bergere dance orchestra.

WHN, New York, N. Y. (361.2m-830kc), 7 p. m., Iceland orchestra; 8, Will Oakland's Chateau; 8:30, Al Herman's entertainment bureau; 9:30, Loew's Eighty-third Street orchestra; 10:30, Leroy Smith's orchestra; 11, Joe Ward's Swanee entertainers; 11:30, Everglades orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin hotel concert orchestra; 7, Marion Deemer, pianist; Mabel Murray, saxophonist; Miriam Miller, mandolinist; 8:15, banquet of salesmanship class, South Philadelphia high school; 10:05, Nelson Maples and his S.S. Leviathan orchestra.

WJZ, New York, N. Y. (454.3m-660kc), 7 p. m., Hotel Vanderbilt orchestra; 8, United States Army band, WRC; 8:30, "The Desert Healer," picture; 9, Royal Salon orchestra; 10, Record Boys; 10:30, Freddie Rich and his Hotel Astor Orangine orchestra.

WLWL, New York, N. Y. (288.3m-1040kc), 8:30 p. m., McEnery's entertainers; 9:30, entertainment; 10:15, entertainment.

WMAK, Buffalo, N. Y. (265.3m-1130kc), 6:15-7:15 p. m., dinner music.

WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Olcott Vail and his Hotel McAlpin string ensemble; 6:30, Parody orchestra; 7, Twin Oaks orchestra; 8:30, Fourth Annual Food Show; 9, Nathan Straus serenaders; 10:30, Tango orchestra; 11, Ernie Golden and his Hotel McAlpin orchestra; 12, Broadway night.

WNYC, New York, N. Y. (526m-570kc), 7:10 p. m., songs; 8, Max Kalfus, tenor; 8:30, violin selections; 9, piano recital; 9:30, Original Black Diamond orchestra.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Adelphia dinner dance orchestra.

WPG, Atlantic City, N. J. (299.8m-1000kc), 7 p. m., Hotel Morton dinner music; 7:30, Elks' home; 8, concert, students, Ethel Dobson; 9, Hotel Ambassador concert orchestra; 10, Hotel Traymore Grill dance orchestra; 10:45, Katz and his Kittens; 11, Silver Slipper Supper club.

WRC, Washington, D. C. (468.5m-640kc), 7 p. m., New Willard hotel orchestra; 8:05, WJZ; 8:30, WJZ; 9, WJZ; 10, WJZ; 10:45, Meyer Davis' Le Paradis band.

WRVA, Richmond, Va. (256.3m-1170kc), 8:10 p. m., Y. W. C. A. orchestra; 9:40, Edgeworth male quartet.

WTAG, Worcester, Mass. (267.7m-1120kc), 8-11 p. m., WEAF.

WTIC, Hartford, Conn. (475.9m-630kc), 6:50 p. m., Hotel Bond trio; 8, annual spring concert, Travelers choral club, symphonic ensemble.

WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 8, WEAF.

Central Time Stations

KFKU, Lawrence, Kan. (275.1m-1090kc), 7:15 p. m., H. C. Taylor, pianist; Marjorie Evans, soprano.

KFRU, Columbia, Mo. (399.8m-750kc), 6:15 p. m., dinner music.

KLDS, Independence, Mo. (440.9m-680kc), 8 p. m., program, Kansas City Junior college.

KMA, Shenandoah, Ia. (252m-1190kc), 9-11 p. m., Delmonica Dreamers' dance orchestra.

KOIL, Council Bluffs, Iowa (277.6m-1080kc), 6:30 p. m., Art Marr's Imperial dance orchestra; 7:30, Lions club; 11, Hotsy Totsy hour.

KPRC, Houston, Tex. (296.9m-1010kc), 7:30 p. m., Blanchard's dance orchestra; 8:30, Margaret Parkington, contralto; 9, Southern Pacific Lines band.

KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., Harry Horich's orchestra; 7:30, Esmeralda Mayes, pianist; 8-10, WEAF.

KTHS, Hot Springs National Park, Ark. (374.8m-750kc), 9-9:40 p. m., heart songs; 9:40-10:30, New Arlington hotel orchestra; 10:30-11:30, Eastman hotel orchestra.

KUOA, Fayetteville, Ark. (299.8m-1000kc, 8 p. m., Lorraine Allen, pianist.

KYW, Chicago, Ill. (535.4m-560kc), 6-6:15 p. m., KDKA; 8:20-9, Congress hotel; 9, musicale; 10-12, revue.

WAMD, Minneapolis, Minn. (243.8m-1230kc), 11:30 p. m., Clifford Perry, organist.

WBAP, Ft. Worth, Texas (475.9m-630kc), 6-6:30 p. m., dinner concert; 7:30-8:30, Davis Baking Powder company saxophone octet; 9:30-11, Cross Plains Chamber of Commerce band; 11, "A Step On the Stairs," third episode.

WBBM, Chicago, Ill. (225.4m-1330kc), 8-12 midnight, Matched unit quartet; Ariston trio; 9-9:15, song period; Two Jays; Maurice Silverman.

WCBD, Zion, Ill. (344.6m-870kc), 8 p. m., brass quartet, Preparatory chorus, duets, double trios; P. B. and Carl Newcomer, duets; John Thomas, baritone; Mrs. Smith, reader.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 7 p. m., WEAF; 7:30, Northern Pacific program; 8, WEAF; 9, WEAF.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., School of the Air; Trianon ensemble; 11:45-1 a. m., Nighthawk frolic; Ted Weems' Victor Recording orchestra; Billy Adair's orchestra; Johnnie Campbell's orchestra.

WEBH, Chicago, Ill. (370.2m-810kc), 7-8 p. m., J. Henry Welton, tenor; Hannah Braverman; 9-9:15, news; 9:15-10, Ruth Buhl Flick; Rita McFawn; 11-12:30 a. m., Oriole orchestra; Ruth Buhl Flick, reader; Rita McFawn, Mary Bieber, Billy Tracy, Sonny Duncan; Oriole string trio.

WFAA, Dallas, Tex. (475.9m-630kc), 6:30-7:30 p. m., Jimmy's Joys; 8:30-9:30, choral club, Plana.

WGN, Chicago, Ill. (302.8m-990kc), 6:30-6:45 p. m., Drake concert ensemble, Blackstone string quintet; 6:45, old-time favorites; 6:55-7, "The Million Sing"; 8-10, WEAF; 10, Sam 'n' Henry; 10:10, old-time favorites; 10:20, play shop; 10:40-11, studio ensemble.

WGST, Atlanta, Ga. (270.1m-1110kc), 7-8 p. m., Washington Seminary Glee club.

WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., concert, Liberty Insurance bank.

WHB, Kansas City, Mo. (365.6m-820kc), 7-7:45 p. m., dinner hour organ music; 8-9, American Legion band; 9-10, ukulele songsters, Harry Taylor and Sam Martin; Mrs. H. Taylor, pianist.

WHO, Des Moines, Iowa (526m-570kc), 7:30-8 p. m., Raleigh quintet; 8-9, Bankers Life trio; 11-12, Bankers Life Corn Sugar orchestra.

WHT, Chicago, Ill. (399.8m-750kc), 6 p. m., dinner organ recital, Al Carney; 6:30, Hugh Aspinwall, tenor; Grayling's string trio; 6:45, Swedish program; 9:15, Cinderella cafe orchestra; 9:30, Kitchen Klassics; 10:10, U. S. L. entertainers; male quartet; 11:30, Pat Barnes and Al Carney; 12, Pat Barnes and Al Carney.

WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., dinner concert, string trio; Chester Newman, baritone; Helen Snyder, soprano; Swedish program; 12, jamboree, Ted Fiorito, pianist; Dan Russo, violinist; songs, Marie Tully; Wayne Myers, reader; Rita McFawn, Mary Bieber; artists.

WJAD, Waco, Texas (352.7m-1190kc), 8:30-10 p. m., program, Mrs. J. E. Osborne, director.

WJJD, Mooseheart, Ill. (370.2m-810kc), 5:30-7 p. m., Jack Nelson; Palmer House symphonic players; Howard L. Peterson, organist; Palmer House Victorians; 8-9, children; 10-11, Palmer House Victorians; 12:30 a. m., frolic.

WKRC, Cincinnati, Ohio (422.3m-710kc), 10 p. m., Ace Brigode and his Fourteen Virginians; 11, song revue; 11:15, Ace Brigode and his Virginians.

WLIB, Chicago, Ill. (302.8m-990kc), 6:30-6:45 p. m., WEAF; 11-11:20, Correll and Gosden; 11:20-1 a. m., studio ensemble, dance music, harmony duos.

WLS, Chicago, Ill. (344.6m-870kc), 6:40 p. m., College Inn orchestra; 7:30, Ralph Emerson, organist.

WLW, Cincinnati, Ohio (422.3m-710kc), 6:15 p. m., musical handshakes, Bob Groenke, Jim Mischler; 7, dinner concert, Hotel Gibson; 10:03, Doherty Melody Boys; 10:40, Ray Sullivan, popular songs; 11, Cliff Lang, composing pianist; 11:30, dance music, Castle Farm; 12:15 a. m., Night Howls.

GENERAL TALKS AND SPEECHES

Saturday, April 10

Eastern	Central	Mountain	Pacific
7:25 p. m.	6:25 p. m.	5:25 p. m.	4:25 p. m.

WRC (468.5m-640kc) "The Work of Congress."

8	7	6	5

WPG (299.8m-1000kc) "Competitive Swimming," Harold Furlong.

9	8	7	6

WCCO (416.4m-720kc) "Fireside Philosophies," Rev. Roy L. Smith.

9:30	8:30	7:30	6:30

WMAQ (447.5m-670kc) Photologue.

12 m.	11	10	9

KPO (428.3m-700kc) "The Responsibility of the People," L. F. Ryington.

Monday, April 12

Eastern	Central	Mountain	Pacific
7 p. m.	6 p. m.	5 p. m.	4 p. m.

WDAF (365.6m-820kc) Address, Edgar A. Linton.
WBAL (245.8m-1220kc), Talk, William J. Casey.
WRVA (256.3m-1170kc) "Virginia Folk Lore," Dr. Douglas Freeman.

10	9	8	7

KGW (491.5m-610kc) "Australia," Sir James Elder.

10:30	9:30	8:30	7:30

KFXF (250m-1200kc) "Come with Me Into Colorado's Mountain Sunshine," Gilbert McClurg.

11:25	10:25	9:25	8:25

KGO (361.2m-830kc) "Chats About New Books," Joseph Henry Jackson.

11:50	10:50	9:50	8:50

KGO (361.2m-830kc) "Our Citizenship Program," Mrs. G. F. West; "The Cultural Background of our Japanese Girls," Donna May Lewis.

Tuesday, April 13

Eastern	Central	Mountain	Pacific
7:30 p. m.	6:30 p. m.	5:30 p. m.	4:30 p. m.

WHAR (275.1m-1090kc) "Glimpses Through the Stage Door," Mort Eiseman.

7:45	6:45	5:45	4:45

WTAG (267.7m-1120kc) "Back to Methuselah in Worcester Industries," Prof. A. L. Smith.

8	7	6	5

WGBS (315.6m-950kc) Talk, Prof. John Erskine.

8:10	7:10	6:10	5:10

WIP (508.2m-590kc) "Mother's Day," Anna Jarvis.

9	8	7	6

WMAQ (447.5m-670kc) Book talk, Harry Hansen.
WMC (499.7m-600kc) Lecture, William Allen White.
WRC (468.5m-640kc) Washington's Political situation, Frederic W. Wile.

10:30	9:30	8:30	7:30

WCCO (416.4m-720kc) "Outdoors in Minnesota."

Wednesday, April 14

Eastern	Central	Mountain	Pacific
7:45 p. m.	6:45 p. m.	5:45 p. m.	4:45 p. m.

CNRO (435m-680kc) "The Great Northern Plains," G. H. Blanchet.

8:15	7:15	6:15	5:15

WJZ (454.3m-660kc) Zoological society series.

8:45	7:45	6:45	5:45

WAHG (315.6m-950kc) "Trout Fishing," Miles J. Flynn.

10:30	9:30	8:30	7:30

KWSC (348.6m-860kc) Book review, Alice Lindsay Webb.

Thursday, April 15

Eastern	Central	Mountain	Pacific
7:30 p. m.	6:30 p. m.	5:30 p. m.	4:30 p. m.

WGY (379.5m-790kc) WGY book chat, William F. Jacob.
WHAR (275.1m-1090kc) Historical facts, Harry H. Haeberly, Jr.
WMAK (265.3m-1130kc) "Shade Trees," Charles Bley.

8	7	6	5

WHB (365.6m-820kc) Aviation talk, Harry Wimer.

8:15	7:15	6:15	5:15

WSAI (325.9m-920kc) Art talk.

9	8	7	6

WEAO (293.9m-1020kc) "Bulbs for Spring Planting," Prof. A. C. Hottes.

10	9	8	7

KMTR (238m-1260kc) "Color Photography," Charles W. Beam.
WRC (468.5m-640kc) Political situation, Frederic W. Wile.

Friday, April 16

Eastern	Central	Mountain	Pacific
7 p. m.	6 p. m.	5 p. m.	4 p. m.

WOAW (526m-570kc) Music review, Hester Bronson Copper.

8	7	6	5

WLIT (394.5m-760kc) "The Mile Stones in the Career of a Singer," Henry Hotz.

8:30	7:30	6:30	5:30

WCAL (336.9m-890kc) Book talk, Dr. George Weida Spohn.

9	8	7	6

WOS (440.9m-680kc) "Condition of Missouri Roads," C. I. Steele.

9:20	8:20	7:20	6:20

KFWB (252m-1190kc) Hunting and Fishing, Jack Boaz.

10:30	9:30	8:30	7:30

KHJ (405.2m-740kc) "Romance of Santa Fe Trail," Gladys De Witt.

Thursday, April 15

Headliners Today

Eastern	Central	Mountain	Pacific
8 p. m.	7 p. m.	6 p. m.	5 p. m.

WTIC (475.9m-630kc) Annual spring concert.

8:30	7:30	6:30	5:30

KDKA (309.1m-970kc) Russian chorus.

FRIEDA HEMPEL OVER WEAF CHAIN

Thursday, April 15

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Dana college choir; 9:55, chimes.
WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon ensemble; Swedish program; 9-11, Trianon orchestra; Woodlawn theater orchestra; ensemble; Bob Duffy, Bob Smith, Andy Anderson, Ted Graham, Bob Bennett, popular program.
WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., David Graham Withers.
WOAI, San Antonio, Tex. (394.5m-760kc), 8:30 p. m., Mistletoe Melody Maids.
WOAW, Omaha, Nebr. (526m-570kc), 6 p. m., Dorothy Chenoweth Lowden, harpist; 6:20, Manna Kea trio; 6:50, Hotel Fontenelle orchestra; 9, program.
WOC, Davenport, Iowa (483.6m-620kc), 7-7:30 p. m., WEAF; 7:30-8, Moline Plowboys; 8-9, WEAF; 9-10, WEAF; 11-12, LeClaire hotel orchestra; Peter MacArthur, baritone.
WOI, Ames, Ia. (270.1m-1110kc), 7:50 p. m., Musical clubs, Iowa Falls high school.
WOK, Chicago, Ill. (217.3m-1380kc), 10-1:30 a. m., Tearney's Town club orchestra; Midway Garden orchestra; Capitol theater program; program.
WORD, Batavia, Ill. (275.1m-1090kc), 8 p. m., Webster hotel concert trio; 8:35, Cosmopolitan School of Music.
WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Ralph Williams and his concert orchestra; Florence Cane, soprano; Jean St. Anne, baritone; Christian Grimm, pianist; Henrietta Nolan, violinist; 10-1 a. m., Ralph Williams and Skylarks; Rose Vanderbosch, soprano and pianist; Hal Lansing and his uke; 1-2, Ginger hour.
WSAI, Cincinnati, Ohio (325.9m-920kc), 8-10 p. m., WEAF.
WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., Georgia Booster program; 10:45, Charles A. Sheldon, organist.
WSOE, Milwaukee, Wis. (245.8m-1220kc), 8 p. m., Bible conference; 9, Polish musicale, Polish opera club.

Mountain Time Stations

CFAC, Calgary, Can. (435.8m-688kc), 9-11 p. m., Canadian National Railways program, orchestra.
CNRC, Calgary, Can. (435.8m-688kc), 9 p. m., C. N. R. orchestra.
KFXF, Colorado Springs, Colo. (250m-1200kc), 8:30 p. m., Bernard Vesey, tenor; Mrs. W. W. Price, pianist; Mary Fry Miller, concert company.
KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra.

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 6:30 p. m., vest pocket program; 6:45, Radiotorial period; 7-8, program, students, University of Southern California; 8-9, classic hour; 9-10, program, Chickering hall; 10-11, popular song program.
KFON, Long Beach, Calif. (232.4m-1280kc), 7:30-9 p. m., Long Beach municipal band; 9-10, studio program; 10-11, Lake's club orchestra; 11-12, State theater organ.
KFWB, Hollywood, Calif. (252m-1190kc), 8-9 p. m., program, Phillips and Hambaugh, featuring Frazier Mountain Park orchestra, Sol Hoopii's Hawaiians; 9-10, program, C. H. Davidson Investment company, featuring Los Serranos Country club orchestra; 10-11, Warner Brothers' frolic.
KGO, Oakland, Calif. (361.2m-830kc), 8 p. m., Treble Cleff society, vocal selections; Arion trio; two one-act plays: "Pure Moonshine," "A Resourceful Wife"; 10-12:30 a. m., Brokaw and his dance orchestra.
KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-10, vaudeville program.
KHJ, Los Angeles, Calif. (405.2m-740kc), 8-10 p. m., Times special presentation.
KJR, Seattle, Wash. (384.4m-780kc), 7-8:30 p. m., Eureka mixed quartet; 8:30-10, Puget Sound Savings and Loan association orchestra; 10-10:30, Benjamin Franklin Electric company program; 10:30-12, Post Intelligencer's "Keep Joy Radiating Order of Bats."
KMTR, Hollywood, Calif. (238m-1260kc), 6-7 p. m., Starr Piano company studio; 8-10, KMTR concert orchestra.
KNX, Hollywood, Calif. (336.9m-890kc), 6:30-7 p. m., Atwater Kent orchestra; 7-8, program, H. L. Crockett company; 8-9, program, Willys-Overland dealers; 9-10, The Wisecrackers club, with Duke and Count; 10-11, dance music; 11-12, Ambassador hotel dance orchestra.
KOWW, Walla Walla, Wash. (256.3m-1170kc), 8-10 p. m., McDonald School of Music; 11-11:30, organ concert.
KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7 p. m., States restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel orchestra; 8-9, Gypsy and Marta, harmony team; 9-10, Swiss band; 10-11, Cabiria cafe dance orchestra; 11-12, Henry Halstead's orchestra.
KPSN, Pasadena, Calif. (315.6m-950kc), 8-9 p. m., Pasadena Chamber of Commerce.
KTAB, Oakland, Calif. (239.9m-250kc), 8-10 p. m., program.

Friday, April 16

Headliners Today

Eastern	Central	Mountain	Pacific
8 p. m.	7 p. m.	6 p. m.	5 p. m.

WQJ (447.5m-670kc) Special concert hour.
WTIC (475.9m-630kc) Symphonic ensemble.

8:15	7:15	6:15	5:15

WGY (379.5m-790kc) "A Step On the Stairs," mystery serial.

8:30	7:30	6:30	5:30

KDKA (309.1m-970kc) Chamber music.
KSD (545.1m-550kc) Commerce hour.
WGY (379.5m-790kc) "The New Way," comedy.
WOC (483.6m-620kc) Swiss Yodelers.

9	8	7	6

CNRT (356.9m-840kc) Heather Opera company.
KMOX (280.2m-1070kc) Music Lovers' hour.

9:30	8:30	7:30	6:30

WBZ (333.1m-900kc) Goldosi trio.
WMAQ (447.5-670kc) Black Friars, play.

10	9	8	7

WBAL (245.8m-1220kc) "Il Pagliacci" opera.
KTHS (374.8m-800kc) Opera and Light Opera hits.
WLIT (394.5m-760kc) Morning Glory club.

11:45	10:45	9:45	8:45

WSB (428.3m-700kc) Negro spirituals.

11:30	10:30	9:30	8:30

WOC (483.6m-620kc) "A Step On the Stairs," drama.

Friday, silent night for: CFAC, CHIC, CKAC, CKNC, CKY, CNRC, CNRM, CNRO, CNRR, CNRW, KFAU, KFWA, KFXF, KLDS, KPRC, KPSN, KSAC, KUOA, KUOM, PWX, WBBR, WCAD, WCBD, WEAO, WEBW, WGBS, WGST, WHAZ, WIP, WJAZ, WKRC, WLW, WLWL, WMAK, WNAD, WRC, WREO, WRVA, WSAI, WSMB, WSUI, WTAM.

Eastern Time Stations

CNRA, Moncton, Can. (312.4m-960kc), 8 p. m., program, Stephen McGillivray, director; 10, CNRA orchestra.
CNRT, Toronto, Can. (356.9m-840kc), 6:30 p. m., Luigi Romanellis and his King Edward hotel concert orchestra; 9, Heather opera company; 11, King Edward hotel dance orchestra.
KDKA, Pittsburgh, Pa. (309.1m-970kc), 6:30 p. m., dinner concert; 8:30, chamber music.
WABQ, Haverford, Pa. (261m-1150kc), 11 p. m., Horace Hustler, organist.
WADC, Akron, Ohio (258.5m-1160kc), 6:30 p. m., dinner concert, Carnes Richards Hotel Portage quintet; 8, studio program; 10, India Owls.
WAHG, Richmond Hill, N. Y. (315.6m-950kc), 8 p. m., organ recital; 9, Marie Nicholson, soprano; Philipp A. Frey, tenor; Jean Lemaire, pianist; 10:02, Gondoliers, 10:30, Southland dance orchestra.
WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., dinner concert; 7:30-8, male quartet; 8-9, Jubilee singers; 9-10, WBAL trio; John Wilbourn, tenor; 10-11, WBAL opera company.
WBZ, Springfield, Mass. (333.1m-900kc), 6:30 p. m., dinner music; 7, Hotel Lenox ensemble; 8, Edward J. McEnelly and his orchestra; 8:30, Russell Cook's orchestra; 9:30, Goldosi trio.
WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert, William Penn hotel; 8, studio program; 9:30, WEAF; 10:30, WEAF.
WCAP, Washington, D. C. (468.5m-640kc), 6 p. m.-12:30 a. m., Mozart string quintet; WEAF.
WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:30 p. m., Clarence Seaman and his Pennsylvania orchestra; 7:30, Snellenburg instrumental trio; 8, recital; 8:30, The Singing Groundhog; 8:45, The Bryan Girl; 9, The Regina Crooners; 9:15, Dwight Strickland, "the poetician"; 9:30, The Sea Gulls; 10, Archie Lloyd, songs; 10:30, Jack Myers' dance orchestra.
WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., Goldkette ensemble; 9-10, Jean Goldkette's Breeze Blowers.
WEAF, New York, N. Y. (491.5m-610kc), 4 p. m.-12 midnight, Kenneth Casey, popular singer; Marion Schott, Muriel Pollock, pianists; Dorothy Dellano Rumage, soprano; Vincent Lopez and his orchestra; Michaels Markel's dance orchestra; Etta Kabram, pianist; Happiness Boys; Eagle Neutrodyne trio; Vikings; Whittall Anglo-Persians; Ben Bernie and his orchestra.
WEBJ, New York, N. Y. (272.6m-1100kc), 7 p. m., Blenheim theater ensemble; 7:45, Walter W. Schullstrom, tenor; 8, Joseph M. Bocco, tenor; Arthur Levey, guitar; 8:15, Lucille Hegamin, contralto; J. Cyril Fullerton, pianist; 8:30, Al Ciccones, Harlem Tea Garden orchestra.
WEEI, Boston, Mass. (348.6m-860kc), 7:30 p. m., Whiting Milk company program; 8:30, Neapolitan Ice Cream company; 9, musicale; 9:30, Carter's Incas; 10, WEAF.
WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra.
WGBS, New York, N. Y. (315.6m-950kc), 6 p. m., Uncle Geebee; 6:30, Anzell's orchestra.
WGHB, Clearwater, Fla. (265.3m-1130kc), 6:30-7:30 p. m., dinner music; 8:30-10:30, diversified program; 11:30-1 a. m., midnight ramble, Graham Prince and his orchestra.
WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert, Hotel Fuller orchestra; Rhea Clancy, soprano; 10, WGHP entertainers; 11, Skylark dance band; saxophone quartet; William Kerr, baritone; Lucile Burke, soprano; 12-1 a. m., Gerald Marks and his orchestra.
WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., Lester Erlenbach's K. of C. concert orchestra; 7:30, WEAF; 8, Audubon Terrace Meadow Larks; 8:30, Gertrude Hutchinson program; 9, Winger's Crescent Park entertainers; 9:30, WEAF; 11, Vincent Lopez Hotel Statler dance orchestra; John F. Gunderman, Jr., organist.
WGY, Schenectady, N. Y. (379.5m-790kc), 7 p. m., Eastman theater orchestra, WHAM, WFBL; 8:15, "A Step On the Stairs"; 8:30, "The New Way," WGY players; 10:30, WGY orchestra; Christine Neilson, soprano; Stephen St. John, banjoist.
WHAR, Atlantic City, N. J. (275.1m-1090kc), 8 p. m., Seaside hotel trio.
WHN, New York, N. Y. (361.2m-830kc), 7 p. m., Harry Richman and his entertainers; 9, Alan Stone's orchestra; 9:30, Loew's Lexington orchestra; 10, Roseland dance orchestra; 10:30, Anatol Friedland; 11:30, Bill Gleason and his entertainers; 12, Silver Slipper orchestra.
WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin hotel concert orchestra; 7, songs, Harrison Eastwood.
WJZ, New York, N. Y. (454.3m-660kc), 7:15 p. m., Hotel Commodore concert orchestra; 8, Sundial Shoe serenaders; 8:30, Bonnie Laddies; 9, United States Army night, band; 10:30, Hotel Lorraine grill orchestra.
WLIT, Philadelphia, Pa. (394.5m-760kc), 8:10 p. m., Arcadia cafe concert orchestra; 10, Morning Glory club concert; Arcadia cafe dance orchestra; 10:30, Rufus and Rastus; 11, continuation of Morning Glory club.
WMAK, Buffalo, N. Y. (265.3m-1130kc), 7:30-9 p. m., musical; 9-10, musical program.
WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Olcott Vail and his Hotel McAlpin string ensemble; 6:30, Ernie Golden and his Hotel McAlpin orchestra; 7:30, Sachs' Musical Monarchs; 8, Fourth Annual Food Show; 9, Hardman hour of music; 11, Hofbrau Haus entertainers; 11:30, Jack Denny's orchestra; 12, McAlpin entertainers; 12:15 a. m., Van and Schenck; 12:30, Parody orchestra.
WNYC, New York, N. Y. (526m-570kc), 6:20 p. m., piano selections; 8, vocal concert program; 9, Rudolph Joskowitz, violinist; 9:30, Josef Wohlmann, pianist; 10:15, song recital.
WOO, Philadelphia, Pa. (508.2m-590kc), 8 p. m., recital; 9, WEAF; 10:30, Ritz-Carlton dance orchestra.
WPG, Atlantic City, N. J. (299.8m-1000kc), 6:45 p. m., Arthur Scott Brooks, organist; 7, Hotel Traymore dinner music; 8:15, Indian Avenue school children; 8:30, Katz and his Kittens; 9, banquet, National American Wholesale Lumber association; 10, James' Salt Water Taffy Boys' dance orchestra; 11, Jean Wiener, organist.
WRVA, Richmond, Va. (256.3m-1170kc), 8:20 p. m., Masonic musicale society; 8:15, Eugene Turner, pianist; Paul Saunier, violinist; Louis Morales, pianist; 10, Hotel Richmond Winter Garden orchestra.
WTAG, Worcester, Mass. (267.7m-1120kc), 8:15 p. m., Piedmont church choir; 10-10:30, WEAF.
WTIC, Hartford, Conn. (475.9m-630kc), 6:30 p. m., Hub trio; 8, United States Coast Guard band concert; 9, Little Symphony mandolin orchestra; 10:30, studio program; 11, Emil Heimberger's Hotel Bond dance orchestra.
WWJ, Detroit, Mich. (352.7m-850kc), 8 p. m., Detroit News orchestra; C. T. S. and his gang; 9:30, WEAF; 10:30, dance program.

Central Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., dinner concert; 8:30-10:30, Auburn, Nebr., program.
KFRU, Columbia, Mo. (399.8m-750kc), 6:15 p. m., dinner music; 12-2 a. m., musical program.
KMA, Shenandoah, Ia. (252m-1190kc), 9-11 p. m., musicale.
KMOX, St. Louis, Mo. (280.2m-1070kc), 6 p. m., Arthur L. Utt, organist; 6:30, Mrs. Jacques Landree, organist; 7, Hausman Brothers banjo artists' duo; 8, music lovers' hour; 9, Gordon Morrison, guitarist; 10, dance.
KOIL, Council Bluffs, Iowa (277.6m-1080kc), 6:35 p. m., Fontenelle orchestra; 7:30, Clare Perkins Canterbury, soprano; Helen Sprague Cogley, mezzo-soprano; Helen Jacobs, pianist; 8:30, Dresher Brothers' entertainers; 11, Hotsy Totsy hour.
KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., Union Avenue Christian Sunday school quartet; 7:30, Joseph Faerber, violinist; 8-11, WEAF; 11, Carthage college glee club.
KTHS, Hot Springs National Park, Ark. (374.8m-750kc), 9-9:45 p. m., operas, New Arlington hotel ensemble; 9:45-10:30, Valley Mills male quartet.
KYW, Chicago, Ill. (535.4m-560kc), 6-6:15 p. m., KDKA; 6:30-7, Congress hotel; 9-10, Edison studio; 10-12, Federal Masters artists.
WAMD, Minneapolis, Minn. (243.8m-1230kc), 7:10 p. m., school hour; Hamilton School music; 11, frolic.
WBAP, Ft. Worth, Texas (475.9m-630kc), 6-6:30 p. m., dinner concert; 7:30-8:30, Will Foster, organist; 9:30-11, classical program; 11-12, Panther Hawaiian trio.
WBBM, Chicago, Ill. (225.4m-1330kc), 8-10 p. m., Two Jays, Corinne Jordan; Alemite orchestra.
WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6:15 p. m., Dick Long's Nankin cafe orchestra; 10:05, Dick Long's Nankin cafe dance orchestra.
WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., School of the Air; 8-9:30, glee club, Kansas State Teachers' college; 11:45-1 a. m., Nighthawk frolic; Ted Weems' Victor Recording orchestra; Billy Adair's orchestra; Ted Meyn, organist.
WEBH, Chicago, Ill. (370.2m-810kc), 7-8 p. m., Oriole orchestra; Pauline Sachs, soprano; Eleanor Kaplan, violinist; 9-9:15, news; 9:15-10, Jack Sieberg, pianist; Jack Simons; 11-12:30 a. m., Oriole orchestra.
WEMC, Berrien Springs, Mich. (285.5m-1050kc), 9 p. m., Ed Scram and artists; 10:05, old-time Gospel songs.
WFAA, Dallas, Tex. (475.9m-630kc), 6:30-7:30 p. m., Hawaiian music; 8:30-9:30, George T. Cobb.
WGBF, Evansville, Ind. (236.1m-1270kc), 7 p. m., musical program; 8, Evansville college hour; 11, D. X. Hunting club.
WGN, Chicago, Ill. (302.8m-990kc), 6:30-6:45 p. m., Drake concert ensemble, Blackstone string quintet; 6:45, old-time favorites; 6:55-7, the Million sing; 8-8:30, WEAF; 8:30-9, quartet; 9-9:30, WEAF; 9:30-10, studio program; 10, Sam 'n' Henry; 10:10, old-time favorites; 10:20, the Play Shop; 10:45-11, studio ensemble.
WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., glee club concert; Mrs. S. Hunt, soprano.
WHB, Kansas City, Mo. (365.6m-820kc), 7-8 p. m., popular musical numbers, Sweeney orchestra.
WHO, Des Moines, Iowa (526m-570kc), 7:30-9 p. m., Messrs. Piersol and Kaushaar, tuneful teachers; Gertrude Nourse, pianist; Myrtle Williams, soprano; 11-12, Philbreck and his orchestra.
WHT, Chicago, Ill. (399.8m-750kc), 6 p. m., classical program; dinner organ recital, Al Carney; Grayling's string trio; Helen Rauh, pianist; Charles Hussey, basso; 6:50, Ray-O-Vac concert; 9:15, Cinderella Cafe orchestra; 9:30, Sunbeam Girls; 12, Pat Barnes and Al Carney.
WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., dinner concert; string trio; Joe North, baritone; Mary Thrash House, pianist; Elsie Orr, soprano; 10-2 a. m., popular program; Ted Fiorito, pianist; Dan Russo, violinist; the Jordans; Melody strummers, Tony Corcoran, Ed Diller.
WJAD, Waco, Texas (352.7m-1190kc), 8:30-11 p. m., R. B. Moorman, choral club.
WJJD, Mooseheart, Ill. (370.2m-810kc), 8-9 p. m., children's hour; 10-11, feature hour; Senator Harold C. Kessinger; Palmer House Victorians; Jean St. Anne; 12:30 a. m., frolic.
WLIB, Chicago, Ill. (302.8m-990kc), 7:30-8 p. m., musical program; 11-11:20, Correll and Gosden; 11:20-1 a. m., ensemble, dance music, harmony duos.
WLS, Chicago, Ill. (344.6m-870kc), 6:40 p. m., College Inn orchestra; 7:30, Simga Alpha Iota sorority; 9, Laura Butts, contralto; Pearl Appel, pianist; 9:30, Wheaton college glee club; 10-11, Hotel Sherman.
WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., organ; 8:30, Black Friars play; 9:55, chimes.
WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon duo, Vella Cook, contralto; Rosalind Wallache, violinist; Hart and McCready, harmony duo; Arvid Anderson, Frank Bordner, semi-classical home-songs program; 9-11, Trianon orchestra; Woodlawn theater orchestra; male trio; Joe Warner, Norman Hart, Scotty Welch and Madison Sisters; popular program.
WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Mrs. O. Mueller; 11, Harry O. Nichols, organist.
WOAI, San Antonio, Tex. (394.5m-760kc), 8:30 p. m., college night.
WOAW, Omaha, Nebr. (526m-570kc), 6:20, Francis Potter's banjo orchestra; 6:50, Gilbert Jaffy, violinist; Nat Young, pianist; 9, M. C. Peters Mill company; 10:30, Nightingale orchestra.
WOC, Davenport, Iowa (483.6m-620kc), 7:30-9 p. m., Swiss Yodelers; orchestra; 9-9:30, WEAF; 10:30, "A Step On the Stairs."
WOK, Chicago, Ill. (217.3m-1380kc), 10-1:30 a. m., Tearney's Town club orchestra; Pershing Palace orchestra; Capitol theater program; program.
WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9:15-11, Melissa Dvorak, pianist; Mrs. Carl Tyndall, contralto; H. P. Vaughn, baritone; Regent little symphony.
WORD, Batavia, Ill. (275.1m-1090kc), 7 p. m., North Shore Line; 9, studio program.
WOS, Jefferson City, Mo. (440.9m-680kc), 8:20 p. m., program, Eldon High School; Nelle Harrawood, reader.
WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Ralph Williams and concert orchestra; Resurrection quartet; special concert hour; 10-1 a. m., Ralph Williams and Skylarks; Dr. Lucille Long, harmonica player; Clark's Hawaiian trio; artists; 1-2, Ginger hour.
WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., concert; 10:45, Big Bethel choir, Negro spiritual.
WSBT, South Bend, Ind. (275.1m-1090kc), 7:15 p. m., orchestra, concert.
WSM, Nashville, Tenn. (282.8m-1060kc), 6:30 p. m., Francis Craig's orchestra; 8, Mrs. Louis Sperry, soprano; Mrs. Frank Russum, pianist; 10, Fisk university faculty.

Atwater Kent Program, April 11, over WEAF and Chain*

FRIEDA HEMPEL
Assisted by ERNO BALOGH, pianist; LOUIS P. FRITZE, flutist

I.

(a) Oh! Had I Jubal's Lyre.....Handel
(b) Ave Maria.....Schubert
(c) On Wings of Song.....Mendelssohn
(d) A Joyous Easter Hymn.....17th Century

II.

Piano solo: Scherzo in B flat Minor.....Chopin
Mr. Balogh

III.

(a) "Shadow Song" from DINORAH.....Meyerbeer
(with flute obbligato)
(b) The Last Rose of Summer.....Flotow
(c) The Cuckoo Clock.....Old French
(d) Lauterbach.....Old German
(e) Blue Danube Waltz.....Strauss

*The WEAF chain for the Atwater Kent hour (9:15 p. m. Eastern time, 8:15 p. m. Central time) includes WEAF, WFI, WGR, WCAE, WCAP, WJAR, WTAG, WGN, KSD, WCCO, WOC, WSAI, WEAR, WEEI.

Frieda Hempel, soprano, is the Sunday headliner over the WEAF chain. She will be assisted by Erno Balogh, pianist, and Louis P. Fritze, flutist.

WSOE, Milwaukee, Wis. (245.8m-1220kc), 9 p. m., Croation Tamburica orchestra.

Mountain Time Stations

CFAC, Calgary, Can. (435.8m-688kc), 7-8 p. m., Salon broadcast.
CNRE, Edmonton, Can. (516.9m-580kc), 8:30-10:30 p. m., Mrs. Ethel Norbury and concert party.
KFWA, Ogden, Utah (260.7m-1150kc), 9-10 p. m., male chorus.
KFXF, Colorado Springs, Colo. (250m-1200kc), 8:30 p. m., Russ Kemp's Hammond Cottage City dance orchestra.
KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra; 8, Scheuerman's orchestra; 8:15, Rocky Mountain News, Denver Times; Florence MacKay, pianist; Helen Rumsey Robinson, reader; KOA orchestra; Charles South, violinist; Blanche Branch, soprano; KOA orchestra; Helen R. Robinson, reader.
KOB, State College, N. M. (348.6m-860kc), Recital, Mrs. L. A. Broaddus, director.

Pacific Time Stations

CNRV, Vancouver, Can. (291.1m-1080kc), 8:30 p. m., British Columbia musical festival; 10:30, Cabaret Belmont orchestra.
KFI, Los Angeles, Calif. (467m-642kc), 6:45 p. m., Radiotorial period; 7-8, dance music; 8-9, Aeolian organ recital; 9-10, popular program with Mutual mirth contest; 10-11, Packard ballad hour featuring popular songs.
KFON, Long Beach, Calif. (232.4m-1280kc), 7-8 p. m., program, Dalton and Hoagland company; 8-9, Press-Telegram studio; 9-10, studio program; 10-12, Long Beach Elks Lodge No. 888 frolic.
KFWB, Hollywood, Calif. (252m-1190kc), 8-9 p. m., program, John Wright; 9-10, Len Nash and his original Country Boys; 10-11, Warner Brothers frolic.
KGO, Oakland, Calif. (361.2m-830kc), 6-6:55 p. m., Brokaw and his orchestra.
KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-9, vocal and instrumental music; 9-10:30, Sherman Clay and company; 10:30-12, Hoot Owls.
KHJ, Los Angeles, Calif. (405.2m-740kc), 8-10 p. m., De luxe studio program.
KJR, Seattle, Wash. (384.4m-780kc), 7-8:30 p .m., old-time songs, Lundquist-Lilly male quartet; 8:30-10, Post Intelligencer studio program.
KLX, Oakland, Calif. (508.2m-590kc), 8-9:45 p. m., Pen Honor company; 9:45-10:30, Athens Athletic club orchestra.
KMTR, Hollywood, Calif. (238.m-1260kc), 6-7 p. m., Radio Press Agent; 8-10, orchestra; Neil Russell, baritone; 10-11, Starr Piano company studio.
KNX, Hollywood, Calif. (336.9m-890kc), 6:30-7, Atwater Kent orchestra; 7-8, studio program; 8-9, program, Jell-X-Cell company, Charlie Melson and his Playboys; 9-10, Order of Optimistic Donuts; 10-11, Fights, Hollywood Legion stadium; 11-12, Ambassador hotel dance orchestra.
KOWW, Walla Walla, Wash. (256.3m-1170kc), 8-10 p. m., Loyal Order of Moose; 10-12, dance music.
KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7 p. m., States restaurant orchestra; 8-9, Jonathan club program; 9-10, Palace hotel dance orchestra; 10-11, States restaurant orchestra; 11-12, Henry Halstead's orchestra.
KTAB, Oakland, Calif. (239.9m-250kc), 8-10 p. m., Breuner's.
KWSC, Pullman, Wash. (348.6m-860kc), 7:15-9 p. m., Dorothy Ruemelin, vocalist; Pauline Williams, pianist; Boy Scout's band; Esther Olson, reader.

Crosley Station Adds Two New Features for Farmers

CINCINNATI.—Two new Radio features have been added to the Crosley WLW broadcasting station's programs for Wednesday and Thursday afternoons. The United States department of agriculture is sponsoring a lecture for boys and girls by "Uncle Bert," a ficticious character who speaks to the children upon the subject of "Gardening the Radio Way," at 4:45 o'clock Central time, every Wednesday afternoon. "Fifty Farm Flashes" is the title of a series of talks in the question and answer style and will deal with agricultural subjects, which are being broadcast every Thursday afternoon at 4:30.

Radio Saves Army $48,086

WASHINGTON, D. C.—During the first half of the current fiscal year the army signal corps, by use of its Radio nets throughout the country, has been able to make a saving of $48,086.43 for nineteen governmental departments.

Arctic Ships to Carry Full Radio Equipment

Byrd Expedition Will Broadcast With Short and Long Waves

WASHINGTON, D. C.—The Byrd arctic expedition will be equipped with the latest type of Radio equipment, according to officials of the navy department who are completing plans for the trip to the frozen north. The objects of the equipment are safety of ship, plane, fog and weather reports, entertainment by broadcasters and messages from home, and it is anticipated that many tests and experiments in communication may be carried out with both long and short waves.

The SS Chantier, with call letters KEGK, will be equipped with a 1-k. w. navy spark transmitters, sending on 300, 600 and 800 meters. It will also have a short wave transmitter, to work on 80, 40, 20 and 10 meters. The airplane is to carry a 50-watt short wave transmitter, capable of working on 61 and 44 meters.

BASEBALL GOES ON AIR

(Continued from page 3)

Cubs will be on Wednesday, April 21, when they play the Cincinnati Reds.

Saturday home games of the Chicago Cubs will also be broadcast play-by-play by WGN, The Chicago Tribune station. Quin Ryan, aided by "Sam 'n' Henry," the colored comic team, will handle the mike.

WSB, Atlanta, Already Under Way

All Fools Day, April 1, WSB began its fifth consecutive season of baseball broadcasting. This southern station, owned by the Atlanta Journal, considers baseball its most valuable summer feature. In a statement from WSB, it is said that the station would be maintained for that purpose alone, even if all nightly entertainments were discontinued.

WSB was the first station in America to report a World Series game in detail, play-by-play, through telegraphic relay. This was in 1922. Since then WSB has reported all the Southern league games played by the Atlanta Crackers team, whether at home or on the road. It is a significant fact that for each succeeding year the Atlanta club has broken all attendance records for the city and for the league.

WSB this year will again report all the Atlanta club games and likewise report the Dixie championship between the pennant winners of the Southern and Texas leagues, the baseball classic of the South. The World Series will also be broadcast. Every night at 8:30 p. m. Central time WSB announces a tabulation of all games played in the principal leagues.

Fort Worth Games Over WBAP

WBAP, the Fort Worth Star-Telegram, will broadcast all the home games of the Fort Worth nine, which is a member of the Texas league. These will be handled play-by-play direct from the ball park. The Dixie series will also be given by WBAP.

Harold Hough, WBAP official, announces that an open grandstand microphone will be used to pick up the cheering, hooting, crack of the bat and even the pursuasive sales cries of the peanut venders. He is of the opinion that such an arrangement adds much color to the play-by-play broadcast and enables Radio listeners to form a more complete and interesting picture of the game.

WDAF and WHAS Plans

WDAF, the Kansas City Star's popular station, will feed the ball fans of the great Southwest with inning scores and game results for the major leagues and American association, of which Kansas City is a member. These will be given every afternoon at 3:30, 4:00, 4:35 and 6:00 o'clock, Central time.

Credo Harris, director of the Louisville Courier-Journal and Times broadcaster, WHAS, announces that his station will give daily results of the major league, American association, and other important games. Besides, under Mr. Harris' personal direction, his invention of 1925, in which the World Series was broadcast and re-played play-by-play by living players at the Louisville ball park, will again be put in operation at the conclusion of the 1926 season as the World Series takes all fans' attention.

WJAG and Printer's Devil Active

WJAG, the Norfolk (Nebr.) Daily News station and home of the Printer's Devil, has plans ready for giving the national pastime reports to its listeners. Along with flashes on results in the bush leagues and town teams in three states, the Printer's Devil will give a daily resume of results in the major leagues with standings of each team and in cases of important games, score by innings descriptions. The daily average and baseball diamond dust gossip will be the foundation from which the famous World Series stories will be broadcast by Karl Stefan, the Printer's Devil.

The play-by-play description of the World Series this year will again be read direct from the telegraph wire by Mr. Stefan, who will simultaneously keep a box score for listeners.

Station 6BM, Bournmouth, England, recently organized a cross-word puzzle competition. A diagram appeared in the station's published program, and listeners were asked to keep it and follow the clues read out by the announcer.

STATEMENT OF THE OWNERSHIP, MANAGEMENT, CIRCULATION, ETC., REQUIRED BY THE ACT OF CONGRESS OF AUGUST 24, 1912,
Of Radio Digest, Illustrated, published weekly at Chicago, Ill., for April 1, 1926.

State of Illinois, County of Cook, ss.—Before me, a notary public in and for the State and county aforesaid, personally appeared E. C. Rayner, who, having been duly sworn according to law, deposes and says that he is the publisher of the Radio Digest, Illustrated, and that the following is, to the best of his knowledge and belief, a true statement of the ownership, management (and if a daily paper, the circulation), etc., of the aforesaid publication for the date shown in the above caption, required by the Act of August 24, 1912, embodied in section 443, Postal Laws and Regulations, printed on the reverse of this form to-wit:

1. That the names and addresses of the publisher, editor, managing editor, and business managers are: Publisher, E. C. Rayner, 2335 Commonwealth Ave., Chicago, Ill.; Editor, Evans E. Plummer, 934 Lawrence Ave., Chicago, Ill.; Managing Editor, None; Business Manager, V. E. Huffer, 5220 Cornell Ave., Chicago, Ill.

2. That the owner is: (If the publication is owned by an individual his name and address, or if owned by more than one individual the name and address of each, should be given below; if the publication is owned by a corporation the name of the corporation and the names and addresses of the stockholders owning or holding one per cent or more of the total amount of stock should be given.) E. C. Rayner, 2335 Commonwealth Ave., Chicago, Ill.; George Seaman, 2350 Parkway, West Chicago, Ill.; F. T. Ryan, 510 N. Dearborn St., Chicago, Ill.; D. R. Seaman, 49 Cedar Ave., Chicago, Ill.; Joseph Seaman, 250 5th Ave., New York, N. Y.; V. E. Huffer, 5220 Cornell Ave., Chicago, Ill.

3. That the known bondholders, mortgagees, and other security holders owning or holding 1 per cent or more of total amount of bonds, mortgages, or other securities are: (If there are none, so state.) None.

4. That the two paragraphs next above, giving the names of the owners, stockholders, and security holders, if any, contain not only the list of stockholders and security holders as they appear upon the books of the company but also, in cases where the stockholder or security holder appears upon the books of the company as trustee or in any other fiduciary relation, the name of the person or corporation for whom such trustee is acting, is given; also that the said two paragtaphs contain statements embracing affiant's full knowledge and belief as to the circumstances and conditions under which stockholders and security holders who do not appear upon the books of the company as trustees, hold stock and securities in a capacity other than that of a bona fide owner; and this affiant has no reason to believe that any other person, association, or corporation has any interest direct or indirect in the said stock, bonds, or other securities than as so stated by him.

5. That the average number of copies of each issue of this publication sold or distributed, through the mails or otherwise, to paid subscribers during the six months preceding the date shown above is.....
(This information is required from daily publications only.)

E. C. RAYNER,
(Signature of publisher.)

Sworn to and subscribed before me this 29th day of March, 1926.
(SEAL.) A. C. McKITRICK.
(My commission expires October 1st, 1928.)

"Your radio is always top notch. What do you do to keep it so full of pep?"

KEEPING your "B" batteries full of pep, without frequent renewals, is simply a matter of using the right size Eveready for your particular set with a "C" battery*.

The rule which determines the right size "B" batteries to use is so simple no one can make a mistake, and once learned it definitely settles the question of "B" battery service and economy.

On 1 to 3 tubes—Use Eveready No. 772.
On 4 or more tubes—Use the Heavy Duty "B" Batteries, either No. 770, or the even longer-lived Eveready Layerbilt No. 486.
On all but single tube sets—Use a "C" battery.

When following these rules, No. 772, on 1 to 3 tube sets, will last for a year or more, and Heavy Duties on sets of 4 or more tubes, for 8 months or longer.

These life figures are based on the established fact that the average year-round use of a set is 2 hours a day.

A pair of Eveready No. 772's for a 5-tube set instead of 2 Eveready No. 770's or 2 Eveready Layerbilts No. 486—looks at first glance like an economy because of lower first cost. But in a few months the 772's will be exhausted and have to be replaced. After the same length of time the Eveready No. 770's or the Eveready Layerbilts No. 486 will still be good for many more months of service.

We have prepared for your individual use a new booklet, "Choosing and Using the Right Radio Batteries," which we will be glad to send you upon request. This booklet also tells about the proper battery equipment for use with the new power tubes.

*NOTE: In addition to the increased life which an Eveready "C" Battery gives to your "B" batteries, it will add a quality of reception unobtainable without it.

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Tuesday night means Eveready Hour—9 P. M., Eastern Standard Time, through the following stations:

WEAF–*New York*
WJAR–*Providence*
WEEI–*Boston*
WTAG–*Worcester*
WFI–*Philadelphia*
WGR–*Buffalo*
WCAE–*Pittsburgh*
WSAI–*Cincinnati*
WEAR–*Cleveland*
WWJ–*Detroit*
WGN–*Chicago*
WOC–*Davenport*
WCCO {*Minneapolis* *St. Paul*
KSD–*St. Louis*

Pacific Coast, Eveready Program
KGO–*San Francisco, 8 to 9 P. M.*

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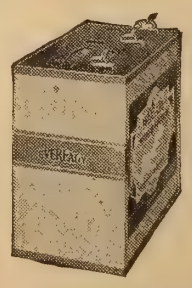

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AN EVENING AT HOME WITH THE LISTENER IN
IN CENTRAL TIME

Call	Location	Met.	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday
AT9	Fort Bragg, N. C.	435	Silent	5:00- 6:00	Silent	Silent	Silent	7:00- 8:55	Silent
CFCA	Toronto, Ont.	356.9	Silent	6:00- 8:00	5:45- 6:45	Silent	6:00-11:00	Silent	Silent
CFCN	Calgary, Alta.	356.9	11:00- 1:00	Silent	Silent	Silent	Silent	9:00-10:00	Silent
CJCA	Edmonton, Can.	434.5	10:00-12:00	8:30- 9:30	8:30-10:30	8:30- 9:00	7:00- 9:00	10:00-12:00	9:00-12:00
CKAC	Montreal, Que.	516.9	6:00-10:30	1:45- 2:45	Silent	6:00-10:30	Silent	6:30- 8:30	Silent
CKCL	Toronto, Ont.	410.7	6:00- 7:00	2:00- 3:55	Silent	6:00-10:50	Silent	6:00- 7:00	Silent
CKNC	Toronto, Ont.	356.9	7:00- 9:00	Silent	7:00-10:00	Silent	Silent	Silent	Silent
CKY	Winnipeg, Man.	384.4	8:00-11:00	7:00-10.00	8:00-12:00	Silent	7:30-11:00	8:30-11:00	Silent
CNRO	Ottawa, Ont.	434.5	7:30-12:30	Silent	Silent	Silent	7:30-12:30	Silent	Silent
CYL	Mexico City, Mex.	480	Silent	9:24-10:54	Silent	9:24-10:54	Silent	Silent	9:24-10:54
CZE	Mexico City, Mex.	350	8:24- 9:24	Silent	8:24- 9:24	8:24- 9:24	8:24- 9:24	8:24- 9:24	8:24- 9:24
KDKA	Pittsburgh, Pa.	309.1	5:30- 8:55	3:00- 7:45	5:30- 8:55	5:30-11:35	5:30- 8:55	5:30-11:00	5:30-10:05
KFAB	Lincoln, Nebr.	340.7	5:30- 2:00	4:00-11:00	5:30- 2:00	5:30-10:30	5:30-10:30	Silent	5:30-10:30
KFDM	Beaumont, Tex.	315.6	Silent	8:00- 9:00	Silent	8:00-10:30	Silent	Silent	8:00-10:30
KFH	Wichita, Kan.	267.7	10:00-11:00	7:15-12:00	10:00- 1:15	10:00-11:00	10:00- 1:15	10:00-11:00	10:00-11:00
KFI	Los Angeles, Cal.	467	8:00- 5:00	6:00- 1:00	8:00- 1:00	8:00- 1:00	8:00- 1:00	8:00- 1:00	8:00- 1:00
KFJF	Okla. City, Okla.	260.7	6:30-10:45	2:30-11:45	6:30-10:45	6:30- 7:30	6:30-12:00	6:30-10:45	6:30-10:45
KFKX	Hastings, Nebr.	288.3	5:30- 6:30	Silent	5:30-11:00	5:30- 6:30	5:30-11:00	5:30- 8:00	5:30-11:00
KFMX	Northfield, Minn.	336.9	Silent	7:00- 8:00	Silent	9:30-10:00	9:00-10:00	Silent	10:00-11:00
KFNF	Shenandoah, Ia.	263	7:00-12:00	2:30- 8:30	7:00- 9:00	7:00- 9:00	7:00- 9:00	7:00- 9:00	7:00- 9:00
KFOA	Seattle, Wash.	454.3	11:30- 1:00	Silent	9:00-12:00	8:00- 1:00	9:00-12:00	Silent	8:00- 1:00
KFON	Long Beach, Cal.	232.4	8:00- 1:00	8:00-12:00	8:00- 1:00	8:00- 1:00	8:00- 1:00	8:00- 1:00	8:00- 1:00
KFQB	Fort Worth, Tex.	508.2	8:30- 9:30	3:00- 8:30	8:30- 9:30	8:30- 9:30	Silent	8:30- 9:30	8:30- 9:30
KFRU	Columbia, Mo.	499.7	Silent	7:30- 8:30	6:15- 7:15	6:15- 7:15	9:00-11:30	6:15- 7:15	12:00- 2:00
KFUO	St. Louis, Mo.	545.1	Silent	4:00-10:15	8:00- 9:00	Silent	9:15-10:15	Silent	Silent
KFVE	Univ'ty City, Mo.	240	9:15-10:15	Silent	9:15-10:15	9:15-10:15	9:15-10:15	Silent	9:15-10:15
KFWA	Ogden, Utah	260.7	10:00- 1:00	Silent	Silent	Silent	10:00- 1:00	Silent	Silent
KFWB	Hollywood, Calif.	252	10:00- 1:00	11:00- 1:00	9:30- 1:00	10:00- 1:00	10:00- 1:00	10:00- 1:00	9:10- 1:00
KFWI	San Francisco, Cal	226	Silent	10:00- 2:00	10:00- 2:00	Silent	10:00- 3:00	12:00- 2:00	10:00- 3:00
KFXF	Colorado Springs.	250	10:00-12:00	8:30- 9:30	9:30-11:30	9:30-11:30	Silent	10:00-12:00	Silent
KGO	Oakland, Calif.	361.2	10:30- 2:00	5:30-10:30	8:00-12:00	8:00- 2:00	8:00- 9:00	10:00- 3:00	8:00- 9:00
KGW	Portland, Ore.	491.5	8:00- 2:00	8:00-12:00	8:00-12:00	8:00- 2:00	8:00- 1:00	8:00-10:00	8:00- 2:00
KHJ	Los Angeles, Cal.	405.2	9:45-12:00	6:00-12:00	Silent	10:00-12:00	10:00-12:00	10:00-12:00	10:00-12:00
KIAF	Sihtipok, Minn.	421	Silent	4:00- 5:00	9:00-10:00	Silent	9:00-10:00	Silent	9:00-10:00
KJR	Seattle, Wash.	384.4	10:30-12:00	7:00-12:30	9:00-12:00	9:00-12:00	9:00-12:00	9:00- 2:00	9:00-12:00
KLDS	Independence Mo.	440.9	8:00- 9:00	6:30-10:00	Silent	8:00-11:59	Silent	8:00- 9:00	Silent
KLX	Oakland, Calif.	508.2	Silent	Silent	6:00-12:30	Silent	6:00-12:00	Silent	6:00-12:30
KMA	Shenandoah, Ia.	252	6:00-11:00	4:00- 6:00	6:00-11:00	6:00-11:00	6:00-11:00	6:00-11:00	6:00-11:00
KMOX	St. Louis, Mo.	280.2	6:00-11:00	9:00-10:00	6:00-11:00	6:00-11:00	6:00-11:00	Silent	6:00-11:00
KNX	Hollywood, Cal.	336.9	7:30- 4:00	8:30-12:30	7:30- 2:00	7:30- 2:00	7:30- 2:00	7:30- 2:00	7:30- 2:00
KOA	Denver, Colo.	322.4	10:00-12:00	4:00- 9:45	7:30-11:30	7:30- 9:30	7:30- 1:00	7:30- 8:30	7:30-10:00
KOB	StateCollege, N.M.	348.6	Silent	Silent	8:30- 9:30	Silent	Silent	Silent	8:30- 9:30
KOIL	Council Bluffs, Ia	278	7:00- 3:00	7:00-12:00	6:00-12:00	6:00-12:00	6:00- 7:15	6:00-12:00	7:00-12:00
KPO	SanFrancisco, Cal	428.3	8:35- 2:00	7:00-12:00	8:40- 1:00	8:40- 1:00	8:40- 1:00	8:40- 1:00	8:30- 1:00
KPRC	Houston, Texas	296.9	7:30-11:00	7:30-10:30	7:30-10:00	7:30- 9:30	7:30-12:00	7:30-12:00	Silent
KPSN	Pasadena, Calif.	315.6	10:00-12:00	10:45-11:45	Silent	10:00-11:00	Silent	10:00-11:00	Silent
KSD	St. Louis, Mo.	545.1	7:00-10:00	6:15- 9:15	7:00-12:00	6:55-10:00	7:00- 9:00	6:55-10:00	7:00-10:00
KSL	Salt Lake City, U.	299.8	9:00-12:00	8:30-11:00	8:00-12:00	8:00-11:30	8:30-12:00	8:30-12:00	8:30-11:00
KTAB	Oakland, Calif.	240	Silent	9:45-11:15	10:00-12:00	10:00-12:00	10:00-12:00	10:00-12:00	10:00-12:00
KTBI	Los Angeles, Cal.	293.9	Silent	9:15-11:30	Silent	10:00-11:00	Silent	10:00-11:00	Silent
KTCL	Seattle, Wash.	305.9	Silent	8:10-11:10	9:00-10:00	10:00-11:00	Silent	Silent	9:00- 2:00
KTHS	Hot Springs, Ark.	374.8	9:00-10:30	9:00-11:30	9:00-11:00	9:00-10:30	9:00-11:00	9:00-10:45	9:00-11:00
KTW	Seattle, Wash.	455	Silent	9:00-11:30	Silent	Silent	Silent	Silent	Silent
KUOA	Fayetteville, Ark.	299.8	Silent	Silent	Silent	7:30- 8:30	8:00- 9:00	Silent	Silent
KWKH	Shreveport, La.	260.7	9:00-12:00	7:00-11:00	10:00-11:30	9:00-12:00	Silent	8:00- 9:30	Silent
KWSC	Pullman, Wash.	348.6	Silent	Silent	9:30-11:00	Silent	9:30-11:00	Silent	9:30-11:00
KWWG	Brownsville, Tex.	278	6:00- 7:00	Silent	8:30- 9:30	6:00- 7:00	6:00- 7:00	6:00- 7:00	6:00- 7:00
KYW	Chicago, Ill.	535.4	6:00- 1:00	2:30-11:00	6:00- 6:30	6:00-12:00	6:00-12:00	6:00-12:00	6:00-12:00
NAA	Radio, Va.	434.5	Silent	Silent	6:45- 7:00	7:30- 8:30	Silent	Silent	Silent
PWX	Havana, Cuba	400	7:30-10:00	7:00- 9:00	7:30-10:00	7:30-10:00	7:00- 9:00	Silent	7:30-10:00
WADC	Akron, Ohio	258	5:30- 6:30	5:30- 6:30	5:30- 6:30	5:30-10:00	5:30- 6:30	5:30-10:00	5:30-10:00
WAHG	Richmond, N. Y.	315.6	11:00- 1:00	Silent	6:30- 1:00	Silent	6:30-11:00	Silent	7:00-10:00
WAIU	Columbus, Ohio	293.9	8:15-10:00	2:00- 3:00	5:00-10:30	5:00-11:00	5:00- 6:00	5:00- 6:00	5:00-11:00
WAMD	Minneapolis, Minn	244	6:15-10:30	6:15-10:30	7:00-12:00	Silent	7:00-12:00	6:15-12:00	6:15-12:00
WBAL	Baltimore, Md.	246	Silent	5:30- 7:30	5:30- 9:00	5:30- 9:00	Silent	5:00- 9:00	5:30- 9:00
WBAP	Fort Worth, Tex.	475.9	6:00-11:00	5:00-11:00	6:00-12:00	6:00-11:00	6:00- 6:30	6:00-12:00	6:00-12:00
WBAR	Sisiht, Wis.	406	Silent	10:00-11:00	9:00-10:00	Silent	8:00- 9:00	7:30- 8:30	Silent
WBBM	Chicago, Ill.	226	8:00- 2:00	4:00- 2:00	6:00- 7:00	8:00-12:00	8:00- 2:00	8:00-12:00	8:00-10:00
WBBR	StatenIsland, N.Y.	272.6	7:00- 9:00	8:00- 9:15	7:00- 8:00	Silent	Silent	7:00- 8:00	Silent
WBCN	Chicago, Ill.	266	9:00- 1:00	5:00-12:00	Silent	9:00- 1:00	8:00-12:00	9:00- 2:00	9:00- 1:00
WBPI	New York, N. Y.	263	5:00-10:45	Silent	5:00-10:00	5:00-10:00	5:00-10:00	5:00- 6:00	5:00-10:00
WBZ	Springfield, Mass.	333.1	5:30- 9:00	6:00- 8:00	5:30- 9:30	5:30- 9:15	5:30- 9:00	5:30- 9:00	5:30- 9:00
WCAE	Pittsburgh, Pa.	461.3	7:30- 8:30	5:30- 9:15	5:30-11:00	5:30-11:00	5:30- 9:00	5:30-10:00	5:30- 9:30
WCAP	Washington, D.C.	468.5	Silent	3:00- 9:15	5:00-10:00	Silent	6:00-11:30	Silent	5:00-11:30
WCAU	Philadelphia, Pa.	278	Silent	4:00-10:30	7:00-10:30	5:45-10:30	5:45-11:00	5:30-11:30	5:45-10:30
WCBD	Zion, Ill.	344.6	Silent	8:00-10:30	Silent	8:00-10:30	Silent	8:00-10:30	Silent
WCCO	Minn.-St.P.,Minn.	416.4	6:15-11:05	4:10- 8:15	6:30-10:00	6:15-10:00	6:45-12:30	7:00-11:05	6:15-11:05
WCOA	Pensacola, Fla.	222	1:00-12:00	Silent	6:30- 7:30	Silent	6:30- 7:30	Silent	6:30- 7:30
WCX	Detroit, Mich.	516.9	5:00- 6:00	6:15- 7:15	5:00- 8:00	5:00- 1:00	5:00- 8:00	5:00- 8:00	5:00- 9:00
WDAF	Kansas City, Mo.	365.6	6:00- 1:00	4:00- 4:45	6:00- 1:00	6:00- 1:00	6:00- 1:00	6:00- 1:00	6:00- 1:00
WDBO	Winter Park, Fla.	240	8:00- 9:30	4:00- 5:00	8:00- 9:30	8:30-10:00	8:00- 9:30	8:00- 9:30	8:00- 9:30
WDWF	Providence, R.I.	440.9	Silent	Silent	Silent	6:45- 7:00	6:25- 7:40	6:45- 7:00	6:45- 7:00
WEAF	New York, N.Y.	491.5	5:00-11:00	1:00- 9:15	5:00-11:00	5:00-11:00	5:00-11:00	5:00-11:00	5:00-11:00
WEAN	Providence, R.I.	270.1	5:30- 9:30	6:30- 7:45	5:30- 9:30	5:30- 9:30	5:30- 9:30	5:30- 9:30	Silent
WEAO	Columbus, Ohio	293.9	Silent	Silent	Silent	6:00- 8:00	7:00- 8:00	7:00-10:00	Silent
WEAR	Cleveland, Ohio	389.4	6:00-12:00	6:00- 9:15	6:00- 7:00	6:00-11:00	6:00- 7:00	6:00-10:00	6:00-11:00
WEBH	Chicago, Ill.	370.2	7:00- 2:00	5:00- 9:00	Silent	7:00-12:30	7:00-12:30	7:00-12:30	7:00-12:30
WEBJ	New York, N.Y.	272.6	Silent	Silent	Silent	7:00- 9:00	7:00- 9:00	Silent	6:00- 8:00
WEEI	Boston, Mass.	348.6	7:10-10:00	2:00- 9:15	5:15-10:00	6:30-10:30	5:15-10:00	6:30-10:00	6:30-10:00
WEMC	Berrien Spgs., Mic	285.5	Silent	7:15- 9:10	7:15- 8:15	Silent	7:15- 8:15	Silent	8:00-10:05
WENR	Chicago, Ill.	266	6:00- 2:00	2:00-12:00	Silent	6:00-10:00	6:00- 2:00	6:00-10:00	6:00- 2:00
WFAA	Dallas, Texas	475.9	6:30-12:00	6:00-12:00	6:30- 9:30	6:30-12:00	Silent	6:30-12:00	6:30- 9:30
WFBH	New York, N.Y.	272.6	10:30- 1:00	4:00- 7:00	10:30- 1:00	10:30- 1:00	10:30- 1:00	10:30- 1:00	10:30- 1:00
WFI	Philadelphia, Pa.	394.5	5:30-11:00	3:30- 4:30	5:30- 7:00	5:30-10:30	5:30- 7:00	5:30-10:00	5:30- 7:00
WGBS	New York, N.Y.	315.6	5:00-10:30	7:00- 8:00	6:00- 6:15	5:00-10:30	5:00- 7:30	5:00- 7:45	Silent
WGBU	Fulford, Fla.	278	5:30-12:00	8:30-11:00	5:30-12:00	5:30-12:00	5:30-12:00	5:30-12:00	5:30-12:00
WGCP	New York, N.Y.	252	7:30-11:00	2:00- 5:00	8:00-10:30	Silent	6:00- 8:15	9:30-12:00	6:00- 8:10
WGES	Oak Park, Ill.	250	5:00- 1:00	5:00-12:00	5:00- 7:00	5:00- 1:00	5:00- 1:00	5:00- 1:00	5:00- 1:00
WGHB	Clearwater, Fla.	266	5:30-12:00	Silent	5:30-12:00	5:30-12:00	5:30-12:00	5:30-12:00	5:30-12:00
WGHP	Detroit, Mich.	270	Silent	Silent	5:00-12:00	5:00-12:00	5:00-12:00	5:00-12:00	5:00-12:00
WGN	Chicago, Ill.	302.8	6:30-10:00	3:00- 9:15	6:30- 7:00	6:30-11:00	6:30-11:00	6:30-11:00	6:30-11:00
WGR	Buffalo, N. Y.	319	7:15- 9:00	6:45- 9:15	5:30-11:00	5:30-10:00	5:30-11:00	5:30-10:00	5:30-12:00
WGY	Schenectady, N.Y.	379.5	5:30-11:00	2:00- 8:15	5:30- 7:45	5:30-10:30	5:30- 8:05	5:30-11:30	6:00-10:30
WHAD	Milwaukee, Wis.	275.1	Silent	3:15- 4:15	6:15-10:00	6:15- 7:00	6:15-12:30	6:15- 7:00	6:15-10:00
WHAR	AtlanticCity, N.J.	275.1	6:30- 8:00	6:50- 9:00	6:30-11:00	6:30- 8:00	Silent	6:30-11:00	6:30- 8:00
WHAS	Louisville, Ky.	399.8	7:30- 9:00	4:30- 5:30	Silent	7:30- 9:30	7:30- 9:00	7:30- 9:00	7:30- 9:00
WHAZ	Troy, N.Y.	379.5	Silent	Silent	8:00-11:00	Silent	Silent	Silent	Silent
WHB	Kansas City, Mo.	365.6	Silent	8:00- 1:00	7:00- 8:00	7:00-10:00	7:00- 8:00	7:00-10:00	7:00- 8:00
WHN	New York, N.Y.	361.2	Silent	2:00-11:30	5:30-11:30	5:00-12:00	5:00-12:00	5:00-12:00	5:00-12:00
WHO	Des Moines, Ia.	526	Silent	7:30-12:00	7:30-12:00	7:30-12:00	6:00-12:00	7:30-12:00	7:30-12:00
WHT	Chicago, Ill.	399.8	7:00- 1:00	12:00-10:30	Silent	7:00- 1:00	7:00- 1:00	7:00- 1:00	7:00- 1:00
WIBO	Chicago, Ill.	226	6:00- 8:00	6:00-12:00	Silent	6:00- 2:00	6:00-12:00	6:00- 2:00	6:00- 2:00
WIP	Philadelphia, Pa.	508.2	5:05-11:05	3:00- 4:00	5:05- 7:00	5:05-10:30	5:05- 7:00	5:05-10:15	5:05- 7:00
WJAR	Providence, R. I.	305.9	Silent	5:00- 9:15	6:45-10:00	6:30- 9:00	6:30-10:00	7:00-10:00	6:55-11:00
WJAS	Pittsburgh, Pa.	275.3	6:00-11:00	Silent	6:00-11:00	6:00-11:00	6:00- 1:00	6:00-11:00	6:00-11:00
WJAX	Jacksonville, Fla.	336.9	7:00- 9:00	6:30- 7:30	7:00- 9:00	7:00-11:00	7:00- 9:00	7:00-11:00	7:00- 9:00
WJAZ	Chicago, Ill.	322.4	Silent	Silent	Silent	Silent	Silent	10:00-12:00	Silent
WJJD	Mooseheart, Ill.	370.2	5:30- 1:00	3:00- 4:00	Silent	5:30- 1:00	5:30- 1:00	5:30- 1:00	5:30- 1:00
WJR	Pontiac, Mich.	516.9	6:00-11:30	Silent	6:00-11:30	6:00- 9:00	6:00-11:30	6:00-10:00	6:00- 9:00
WJZ	New York, N.Y.	454.3	6:00- 9:25	1:30-10:00	6:00-10:30	6:00-10:15	6:00-10:15	6:00-10:45	6:00-10:30
WKAQ	San Juan, P. R.	340.7	Silent	Silent	Silent	Silent	6:00- 8:00	6:00- 8:00	6:00- 8:00
WKAR	Lansing, Mich.	285.5	Silent	Silent	6:15- 8:00	6:00- 7:00	6:00- 8:00	6:00- 7:00	6:15- 8:00
WKRC	Cincinnati, Ohio	422.3	10:00-12:45	6:45-12:30	6:00- 1:00	10:00-12:00	6:00- 1:00	10:00-12:15	Silent
WLIB	Chicago, Ill.	302.8	6:00- 1:00	5:00- 7:00	Silent	7:00- 1:00	7:00- 1:00	7:00- 1:00	7:00- 1:00
WLIT	Philadelphia, Pa.	394.5	6:30- 7:30	6:00- 7:30	6:30-10:45	6:30- 6:50	6:30-10:30	6:30- 7:30	6:30-11:00
WLS	Chicago, Ill.	344.6	7:00- 1:00	6:00- 7:55	Silent	7:00- 8:00	7:00-11:30	7:00- 8:55	7:00-11:30
WLW	Cincinnati, Ohio	422.3	7:00-10:00	4:00- 9:30	7:00-11:00	7:00-11:00	7:00-12:30	6:00- 1:15	Silent
WLWL	New York, N.Y.	288.3	Silent	6:00- 7:00	7:00- 9:00	Silent	Silent	7:00- 9:00	Silent
WMAK	Lockport, N.Y.	265.5	5:15-10:00	6:30- 7:30	6:30-10:00	5:15- 6:15	6:30- 9:00	6:15- 7:00	Silent
WMAQ	Chicago, Ill.	447.5	8:00-10:00	Silent	Silent	8:00-10:15	8:00- 9:45	7:00-11:00	8:00-10:15
WMAZ	Macon, Ga.	260.7	Silent	Silent	9:00-10:00	7:00- 8:00	10:00-11:00	9:00-10:00	7:00-10:00
WMBB	Chicago, Ill.	250	7:00-11:00	3:00-11:00	Silent	7:00-11:00	7:00-11:00	7:00-11:00	7:00-11:00
WMBF	Miami Beach, Fla	384.4	6:00-12:00	6:00-12:00	6:00-12:00	6:00-12:00	6:00-12:00	6:00-12:00	6:00-12:00
WMC	Memphis, Tenn.	499.7	7:15- 9:30	Silent	7:15- 9:00	7:15-12:00	Silent	7:15- 9:45	7:15-12:00
WMCA	New York, N.Y.	340.7	8:00-12:00	6:00- 9:00	8:00-11:00	7:00-11:00	8:00-11:00	8:00-11:00	7:00-10:45
WNAC	Boston, Mass.	280.2	5:00-10:00	2:15- 7:45	5:30- 9:45	5:00- 8:00	5:00- 9:00	5:00- 8:00	5:00-10:00
WNYC	New York, N.Y.	526	6:00- 9:30	8:00-10:00	6:35- 9:30	6:10- 9:30	6:30- 9:30	6:35- 9:30	6:30- 9:30
WOAI	San Antonio, Tex.	394.5	Silent	7:30-10:30	Silent	8:30-10:30	8:30- 9:30	Silent	8:30- 9:30
WOAN	Lawrenceb'g, Tenn	282.8	Silent	9:00-10:00	9:00- 1:30	9:00-10:00	9:00-10:00	9:00-10:00	9:00-10:00
WOAW	Omaha, Nebr.	526	6:00-12:00	6:00- 9:00	6:00-11:00	6:00- 1:00	Silent	6:00- 1:00	6:00-11:15
WOAX	Trenton, N. J.	240	Silent	8:30-10:30	Silent	Silent	Silent	Silent	Silent
WOC	Davenport, Iowa	483.6	6:30-12:00	6:30-11:45	Silent	6:30-11:30	6:30-10:30	6:30-12:00	6:30-10:30
WOK	Homewood, Ill.	217.3	10:00- 1:00	6:30- 8:30	Silent	10:00- 1:00	10:00- 1:00	10:00- 1:00	10:00- 1:00
WOO	Philadelphia, Pa.	508.2	6:30- 7:30	5:05- 9:15	6:30-11:00	6:30- 7:30	6:30-11:00	6:30- 7:30	6:30-11:00
WOQ	Kansas City, Mo.	278	8:00-11:00	7:00- 7:45	Silent	8:00- 9:00	Silent	7:00- 9:00	Silent
WOR	Newark, N. J.	405.2	5:15-11:00	Silent	5:15-11:00	5:15- 7:00	5:15-10:30	5:15- 7:20	5:15- 7:00
WORD	Batavia, Ill.	275	7:00-10:25	2:30-10:00	Silent	7:00-12:45	7:00-12:00	8:00-10:00	7:00-12:45
WOS	JeffersonCity, Mo.	440.9	Silent	8:00- 9:00	8:00-10:00	Silent	8:00-10:00	Silent	8:00-10:00
WPG	Atlantic City, N.J.	299.8	5:45-11:00	2:15-10:00	5:45-11:00	5:45-11:00	Silent	5:45-11:00	5:45-11:00
WQJ	Chicago, Ill.	447.5	7:00- 3:00	7:00-10:00	Silent	7:00- 2:00	7:00- 2:00	7:00- 2:00	7:00- 2:00
WRC	Washington, D.C.	468.5	6:15-10:30	Silent	Silent	6:00-10:30	Silent	6:00-11:30	Silent
WREO	Lansing, Mich.	285.5	5:00-11:00	6:00- 7:00	5:00- 6:00	5:00- 8:15	5:00- 6:00	5:30-11:30	Silent
WRVA	Richmond, Va.	256	Silent	Silent	7:00-10:15	Silent	7:00-10:00	7:00-10:00	6:00-10:00
WRW	Tarrytown, N.Y.	273	8:00-10:30	7:00-10:30	8:00-10:30	8:00-10:30	8:00-10:30	8:00-10:30	8:00-10:30
WSAI	Cincinnati, Ohio	325.9	7:00-12:00	3:00- 9:15	8:00-11:00	7:00-10:00	6:45-11:15	7:30-10:00	Silent
WSB	Atlanta, Ga.	428.3	8:00-12:00	7:30- 9:15	8:00-12:00	8:00-12:00	10:45-12:00	8:00-12:00	8:00-12:00
WSBC	Chicago, Ill.	209.7	6:30- 4:00	6:30- 1:00	6:30- 7:00	6:30- 1:00	6:30- 1:00	6:30- 1:00	6:30- 1:00
WSM	Nashville, Tenn.	282.2	6:30-12:00	Silent	6:30-11:00	10:00-12:00	6:30-11:00	Silent	6:30-11:00
WSMB	New Orleans, La.	319	9:30-11:30	Silent	9:30-11:30	Silent	9:30-11:30	9:30-11:30	Silent
WSUI	Iowa City, Iowa	483.6	Silent	9:15- 9:45	7:30- 8:30	Silent	7:45- 8:45	Silent	Silent
WSWS	Chicago, Ill.	275.1	7:00-11:00	Silent	Silent	7:00-11:00	7:00-11:00	7:00- 8:00	7:00-11:00
WTAG	Worcester, Mass.	268	Silent	3:00- 9:15	6:00-10:00	6:45-10:00	6:45-10:00	7:00-10:00	7:00- 9:30
WTAM	Cleveland, Ohio	389.4	5:00-11:00	Silent	5:00-11:00	5:00- 6:00	5:00-11:00	5:00- 6:00	5:00- 6:00
WTIC	Hartford, Conn.	475.9	5:30-11:00	4:00- 9:30	5:30-11:00	Silent	5:30- 9:00	5:30- 6:30	5:30-11:00
WWJ	Detroit, Mich.	352.7	Silent	5:20- 9:15	5:00- 8:00	5:00- 8:00	5:00- [illegible]	5:00-11:30	5:00- 9:00

STATIONS IN ORDER OF WAVE LENGTHS

Meters	Call	Meters	Call	Meters	Call	Meters	Call	Meters	Call	Meters	Call
209.7	WSBC	266	WBCN	288.3	KFKX	340.7	WKAQ	394.5	WOAI	468.5	WCAP
217.3	WOK	266	WGHB	288.3	WLWL	340.7	WMCA	399.8	WHAS	468.5	WRC
222	WCOA	268	KFH	293.9	KTBI	344.6	WCBD	399.8	WHT	475.9	WBAP
226	KFWI	268	WTAG	293.9	WAIU	344.6	WLS	400	PWX	475.9	WTIC
226	WBBM	270.1	WEAN	293.9	WEAO	348.6	KOB	405.2	KHJ	475.9	WFAA
226	WIBO	270.1	WGHP	296.9	KPRC	348.6	KWSC	405.2	WOR	480	CYL
232.4	KFON	272.3	KWKH	299.8	KUOA	348.6	WEEI	406	WBAR	483.6	WOC
240	KFVE	272.6	WBBR	299.8	KSL	350	CZE	410.7	CKAC	483.6	WSUI
240	KTAB	272.6	WEBJ	299.8	WPG	352.7	WWJ	416.4	WCCO	491.5	KGW
240	WDBO	272.6	WFBH	302.8	WGN	356.9	CFCA	421	KIAF	491.5	WEAF
240	WOAX	273	WRW	302.8	WLIB	356.9	CKCL	422.3	WLW	499.7	KFRU
244	WAMD	275.1	WHAD	305.9	KTCL	356.9	CKNC	422.3	WKRC	499.7	WMC
246	WBAL	275.1	WHAR	305.9	WJAR	361.2	KGO	428.3	WSB	502.8	KFQB
250	KFXF	275.1	WORD	309.1	KDKA	361.2	WHN	428.3	KPO	508.2	KLX
250	WGES	275.1	WSWS	315.6	KFDM	365.6	WDAF	434.5	CNRO	508.2	WIP
250	WMBB	275.3	WJAS	315.6	KPSN	365.6	WHB	434.5	CFCN	508.2	WOO
252	KFWB	278	KOIL	315.6	WAHG	370.2	WEBH	434.5	NAA	516.9	CJCA
252	KMA	278	KWWG	315.6	WGBS	370.2	WJJD	435	AT9	516.9	WCX
252	WGCP	278	WCAU	319	WGR	374.8	KTHS	440.9	KLDS	516.9	WJR
256	WRVA	278	WGBU	319	WSMB	379.5	WGY	440.9	WDWF	526	WHO
258	WADC	278	WOQ	322.4	KOA	379.5	WHAZ	440.9	WOS	526	WNYC
260.7	KFWA	280.2	KMOX	322.4	WJAZ	384.4	CKY	447.5	WMAQ	526	WOAW
260.7	KFJF	280.2	WNAC	325.9	WSAI	384.4	KJR	447.5	WQJ	535.4	KYW
260.7	KWKH	282.8	WOAN	333.1	WBZ	384.4	WMBF	454.3	KFOA	545.1	KFUO
260.7	WMAZ	282.8	WSM	336.9	KNX	389.4	WEAR	454.3	WJZ	545.1	KSD
263	WBPI	285.5	WEMC	336.9	KFMX	389.4	WTAM	455	KTW		
263	KFNF	285.5	WKAR	336.9	WJAX	394.5	WFI	461.3	WCAE		
265.6	WMAK	285.5	WREO	340.7	KFAB	394.5	WLIT	467	KFI		

SHORT WAVES

By Marcella

(Continued from page 6)

however, that he is doing announcing regularly anywhere.

* * *

This much of your question I can answer, M. W. F., and that is about H. W. Arlin, former KDKA announcer. He is off the air and in the electrical appliance sales business. Akron, Ohio, I think, is his new home. I'll answer the rest later.

* *

The Duncan Sisters, Edwin, are still on the road with "Topsy and Eva," I believe, but am not sure. Are they married? No, neither of them is. Ages? Another thing I don't know—and a bad thing to guess about—a lady's age. However, I don't think they would be interested in matrimony. Gypsy and Marta, the Mona Motor Oil Twins, are billed every Tuesday at 9 p. m. Pacific time at KPO, Hale Brothers, San Francisco. Perhaps this is the other team you are seeking?

* *

V. K. Y., an ardent "Marcellite," wants other members of the order to know that KMOX, the well-liked "Voice of St. Louis," has engaged the good-looking-but-married George Junkin as announcer. Considering George's experience as a theatrical producer, motion picture actor, and microphone star, it is too bad that a lady from the "show me" state married him away back in 1913.

* *

Adele, J just don't know where Clyde Hager, ex-WMBB, Chicago, has gone. They tell me, however, that he is on the road—but where, for whom and doing what, I do not know.

* *

Hah—ah and another ah. Here's the first opportunity for several weeks, girl friends. Louis John Johnen, who arranges the programs heard through WLW, Crosley station in Cincinnati, is a BACHELOR! He is also interlocutor of the WLW minstrel show heard every Tuesday evening, and he announces about half the time. As if that weren't enough, he sings baritone solos now and then, and during his leisure moments teaches vocal at the Cincinnati Conservatory of Music.

* *

What deep secret would you like to know about your favorite broadcast star? Drop me a note, girls and boys, and I'll do my best to answer here. MARCELLA.

KOA Player to Musical Comedy

DENVER.—High recognition was again given the KOA dramatic players when Will Morgan, leading man and widely known in western theatricals, was recently chosen for one of the principal roles in "No, No, Nanette," famous musical comedy.

WHAT IS SOUP STOCK?

(Continued from page 6)

It is not always necessary to have new material to make soup stock. In fact, in many cases the scraggy meat and bones from roasts, chops and steaks will make all the stock you need. If you are buying meat to use for soup, buy a shank of veal or a shin of beef. These cuts come far down on the leg of the animal where there is a large amount of the tissue which makes jelly, and also some very juicy and well-flavored meat. Ordinarily a good proportion to use is one quart of water for one pound of meat. With less water the result will be a stiff jelly. For a good, rich stock, use two or three pounds of meat or meat and bone for each quart of finished stock. Any meat may be used except that which has been smoked or pickled.

In addition to the meat and bone, use several different vegetables for flavoring. From one-half to one tablespoon of each vegetable is sufficient for each quart of stock. The favorite vegetables are carrots, celery, onions and turnips. Leftover vegetables may be utilized in the soup, but the soup should never be a general dumping ground for scraps. After the soup is done, let it stand until cool, and then remove the solid layers of fat and all small particles of fat. Strain to remove all of the meat and vegetables. The soup is then ready to serve as an ordinary soup with the addition of diced vegetables, noodles, rice, macaroni or anything you like.

How to Clarify Stock

If you wish to clarify the stock for bouillon, proceed as follows: Use one egg white and shell for each quart of stock. Beat the egg slightly and crush the shell. Stir into the stock and heat slowly to the boiling point, stirring constantly. Boil without stirring from 5 to 15 minutes until all of the particles collect with the egg to form in a heavy scum. The length of time required depends upon the quantity of soup. Let stand to settle, then strain through a double cheese cloth. If any additional bubbles of the fat remain on the soup, they may be removed by touching the surface with absorbent paper. A crepe paper napkin is good for this purpose.

Soup stock is used as the foundation for many different kinds of soup. Stock that is jellied may be kept for a long time if kept in a cold place. It will keep as long as it is jelly and has a layer of solid fat on top to keep out the air, or it may be sealed in fruit jars and kept in a cool place. It is better not to cook vegetables in the stock if you expect to keep it any length of time. They may be added later as you make up the soup to serve.

Fewer Radio Stations

WASHINGTON, D. C.—The total number of broadcasting stations has been decreased to 532, according to W. D. Terrell.

Radio Digest Illustrated

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Food for Noises

"FOUR feet of snow, plus a temperature of twelve degrees below zero, plus an open car in which to travel, plus unlimited interference, equals a happy life for the Radio inspector in the northern states," reports one of the federal Radio men who was sent from Chicago to Minnesota to make special investigations.

How would you like to trade jobs with the inspector and receive his small salary and transportation allowance? Not so pleasant to anticipate is it?

Yet congress and the budget bureau feel that they have done their best in appropriating $335,000 with which the Radio section of the department of commerce must work during the next twelve months. This fund will buy patches for the older inspectors' last year's suits and provide enough extra money to pay the meager salaries of a few youths in the various districts who will sit at night and listen to broadcasting stations that persist in sliding their wave lengths up and down the scale and radiating their programs on anywhere from two to sixteen different wave lengths.

But the third of a million dollars won't begin to do the work necessary to police the air one hundred per cent perfect. We don't believe the fund allowed is half enough.

The Radio inspectors could be of great assistance in running down and correcting bloopers, leaking power lines and transformers, faulty broadcasting station transmitters, and interference by amateurs and boats—but the inspection force is not financed or manned enough to begin to do all of this work. As a result we sit by and tune in to every kind of noise and nuisance the electron is capable of producing or the ether of carrying.

When we said that $500,000 annually was not too much to devote to the work of the Radio section, we meant it. Please remind your congressmen.

Listen to the Good Ads

AN AGITATION against undue advertising on the air is in progress. A number of newspapers have been carrying articles of late lamenting on the number of lottery contests and advertising announcements on the air. The complaint is that these announcements and contests are unwelcome and that they should be barred by legislation.

It is our belief that legislation is unnecessary and is ill advised. Our forefathers founded this country upon certain definite principles. It is a democracy. Personal and business liberties were not to be controlled by the government. We have enough laws. But there are always those persons who would add a few more to the already overcrowded statute books. Let's first enforce the laws we have.

The advertising situation will govern itself far better than it is within the power of the federal government to control it. Let us prove this contention.

If a station by its boring sales announcements, its nauseous telegram reading, or its monthly or more frequent lotteries, becomes unentertaining and distasteful, it is within the power of every listener to tune that station out. Of course there are certain exceptions where the receiving post is under the shadow of the bothersome station's towers—but that is an exception, and the rule will take care of the situation.

If the station is tuned out often enough, and if the advertisers paying for time on the air through that station are told, in letters from disgusted fans, what a bore their Radio advertising is proving to be, that firm will not continue to broadcast through the station—or the method of broadcast advertising therefrom will be altered greatly. No business company is going to continue long to advertise via the microphone in an unprofitable way.

And remember—the listener always has the option of twisting the dials around to another station whose program is more to his taste. That is the American privilege, the right to do as one pleases, the ability to hear what one chooses.

Who is there to say that there is not sufficient variety on the air from which to make a satisfactory selection?

RADIO INDI-GEST

Buncha Din

There's a sound of armies clashing,
There's the roar of breakers dashing
Wreakage up against a rugged dike;
There's a roll of distant thunder
As the clouds are rent asunder—
Cannons fired broadside at the mike.
There's a scream of vultures dying;
Of demented people crying;
A yelping savage beating on a drum.
There's a most discordant banging
Like the fire engines clanging
And tearing up the cobbles as they come.
There's a shriek, a scream, a clatter—
What on earth can be the matter?
Are the elements engaging in a fight?
It's the noise of all creation
Headed straightway for damnation—
Ah, go on—It's only silent night.

THE NIGHT HERD

When You Call Me That, Smile!

Dear Indi: Apropos of the argument between the linguists and purists over "Radiocasting" and "broadcasting," do you think WBAP at Fort Worth can sneak their cowboy show in under the name "Rodeocasting?"

ELOISE R

What a Dirty Dig!

Dear Indi: See in last week's issue that an unknown movie extra is to be popularized on air. Whadyu mean? Hot Air?

PABLO

My Radio

I sit me down at eventide,
My faithful radio beside,
And scour the ether, far and wide,
For music, soft and low.
And, like a million other saps,
With "DX" written on their maps,
In my ears the static snaps,
And fills my soul with woe.

Anon, I exercise my wiles,
I twist and turn the cussed dials
And think that, from a thousand miles,
I'll tear a lot of guff,
To find when I tune in a guy
And steal his skill from out the sky,
To bring the sparkle to my eye,
It's only local stuff.

My Frau assures me I'm a nut,
That bug-house is my occiput,
And a darned fool I am nothing but,
Plumb dead above the neck,
It may be so, but, I'll be cussed,
I'll have my Radio or bust,
For there are millions, who are just
As nuts as I, By Heck.

WILSON E. ROGERS

Where Men Are Men an' Women Are—Not

Dear Indi: Where is the Night Herd from? A guy couldn't dope out all he does from the "Smog" of Chicago or the cold grey of N'Yawk. Bet he's from the great open spaces.

SHOBIE

"A FLOP ON THE STAIRS"

by THE THIRD TROMBONE PLAYER

Episode 2—Is Beer All?

Synopsis.—It seems that C. Densed, a prominent writer of Radio criticisms, is plotting to re-write the dictionary as it does not agree with his spelling. He organizes a gang called the "Jazzbo Six" to destroy by means of Radio waves all existing copies of Webster's important, although somewhat unromantic, masterpiece. In this he is opposed by Marten Dirkun, a fearless copy boy with big blue eyes, rosy cheeks and a sweet temper. Now go on with the story, Pancrace.

IT WAS Dirkun who, with blazing eyes, faced the scowling C. Densed. Little did he know what was in store for him.

"Lay off that there dictionary, big boy, or I'll turn 135 volts B battery on your quivering flesh."

"You can't harm me," hissed C. Densed, "cause I'm Dielectric and don't conduct electricity." With this he smote our hero on the bean with a Whistlinghouse R. C. set.

As he was about to drag out the body, a woman's scream rent the air. Again this mysterious scream!

(Boys, this is getting serious. Wonder who that female is?)

(TO BE CONTINUED)

Found Out at Last

Dear Indi: And here, all the time, I thought you were a nice old man and, heck, you know about Ponjola, Congressional and Boy bobs!!! How come???

KITTEE KEY

Franque's Filosofee

Although Radio keeps a man at home, all the while he is trying to get as far away as possible.

Stations Were Down on the List

What do you think of the guy that wrote in and expressed indignation because a number of stations listed in the programs had "Silent Night" and, after trying to tune them all in, he failed to hear it even once?

INDI

News of the Week

Condensed

BY DIELECTRIC

When the instruments are in tune and the rhythm is maintained, dance orchestras sound very much alike to this reviewer, which may be a frank confession of ignorance. If so, the plaintiff loses. Nothing in the playing of dance music by an orchestra from Station WJJD, Moosehart, provoked me to slander nor to eulogy. It was the manner of announcing which led me to put that station down for mention. In a short time those stations failing to give call and city between numbers will be so few as to cause them to feel their own delinquency. "WJJD, Moosehart," follows so quickly each number there is always time for it. They are to be commended for their policy.

Station WGN, Chicago, hit upon a feature of duo value: presenting old-time favorites with prizes awarded to those guessing them correctly. Old-time songs are not dying out, nor are they likely to, and yet the titles of these pieces are ofttimes difficult to recall. Hence, listeners will make an effort to learn the names of all these songs and at the same time familiarize themselves anew with their beauty.

Edward Johnson, of the Metropolitan Opera company, New York, sang for the Atwater Kent concert series in a manner most pleasing. There may be some to whom this tenor's voice lacked certain wanted qualities, but to most listeners his work was highly engaging. After listening to each of the famous operatic tenors for some years back sing the well-known "Pagliacci's Lament," from the opera of that name, I hesitate to deprive Mr. Johnson of the laurels justly due him. His artistry was notable in each phrase of the aria, coloring his tones with intelligence and displaying a voice of sweetness and warmth, a truly magnificent rendition of this recital of woe.

Another dance program listened to was one presented by the Golden Pheasant orchestra through Station WTAM, Cleveland. Previous mention has been made of the good work of this musical organization and is repeated here. Something more than that is slated to be said before commencing comment on the next feature, however, and it is to the effect that the Willard station is open to censure because of the announcer's allowing several numbers to go by without announcement. I am in entire agreement with those fans would urge giving the call letters following each feature and again preceding the next.

Station WWAE, Plainfield, Ill., had a happy group of broadcasters in their studio one night a short time ago who dispensed cheer lavishly, not sparing themselves in the least. When the time came for them to depart, the announcer interrupted his standard explanation to bid Bill, Dick, Joe, etc., a fond farewell. Is he supposed to be human or merely a mechanical bulletin of past and coming events? Your votes for the world's most popular announcer should tell.

With all the excitement over prohibition enforcement it is not surprising to have a number of speakers from as many stations broadcasting their remarks on the subject. Station WLW, Cincinnati, stood fast while Senator Edwards, New Jersey, delivered a speech which included nearly all the uncomplimentary adjectives contained in the dictionary, having immediately in mind everyone supporting the latest check to freedom. His immediate audience was composed of Irishmen. I don't know how cosmopolitan was the Radio audience. Everyone with a receiving set may firmly exclaim "Amen" or "bosh" and not interrupt these meetings. That's the beauty of listening in.

Super-Torodyne: An Improved 8-Tube Super

Part I—Analysis of the Circuit

By J. E. Owen, Univ. of Okla.

THE Super-Torodyne is offered on the basis of its merit, and with a realization of the necessity for further development in the super-heterodyne circuit field for the reception of broadcast programs.

When the work was started on the Super-Torodyne, it was realized that certain factors had been utilized quite satisfactorily in other circuits that had not (for no obvious reason) been carried over into the super-heterodyne circuit. The fact was obvious, that the super-heterodyne at that date was, from the viewpoint of oscillator and antenna coupler units, considerably outranked by other circuits. Thousands of dollars had been spent in experimental work on tuned radio frequency circuits in the development of low loss toroid coils that had characteristics suitable for inter-stage coupling. Also, the super-heterodyne is often bulky and inconvenient from the viewpoint of installation. To partially overcome certain of these features of the usual super-heterodyne, the Super-Torodyne was devised.

Weeks of careful selection of apparatus followed, particularly in the nature of the selection of the intermediate stage transformers and the oscillator and antenna coupler units. It was recognized that while it might be possible to easily design a coil for the set, it would mean more to the builder to have a unit that was already on the market. The All-American Toroid transformer type, T-2, proved the most suitable of all tried.

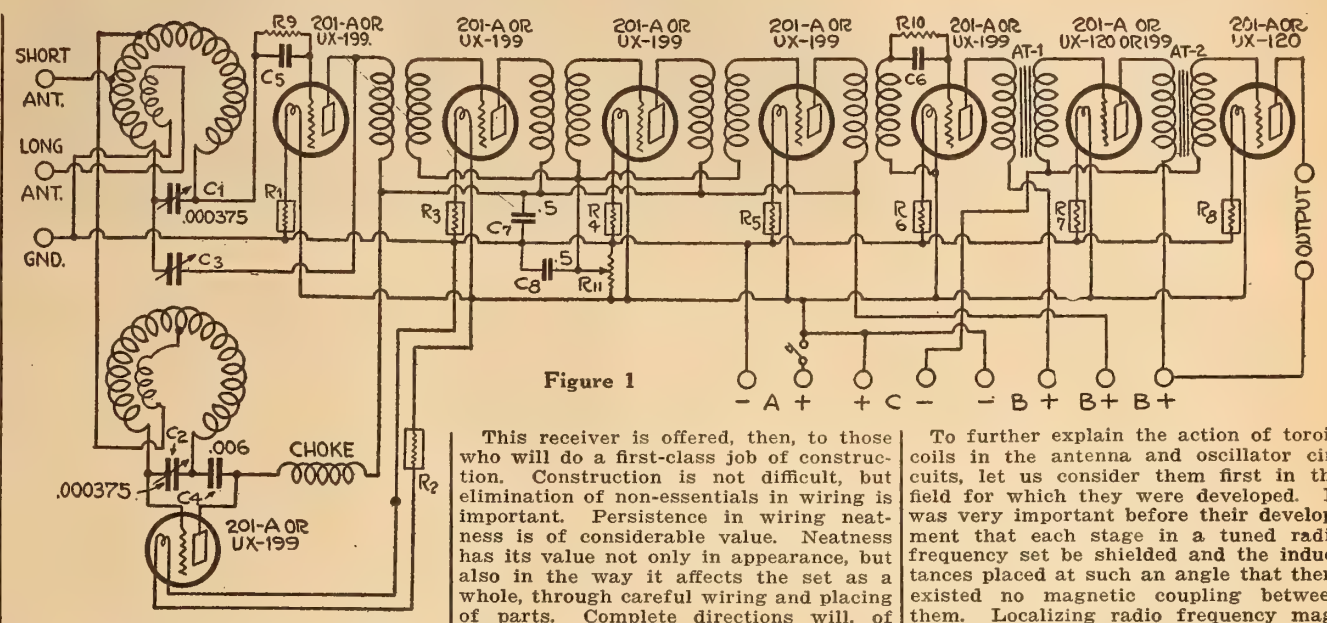


Figure 1

super-heterodyne utilizing the unusual toroid advantages in a generally satisfactory manner; the scheme being to produce a set of real quality. Nothing cheap has been substituted that might in any way interfere with quality of reproduction, nor sensitivity and selectivity. It

This receiver is offered, then, to those who will do a first-class job of construction. Construction is not difficult, but elimination of non-essentials in wiring is important. Persistence in wiring neatness is of considerable value. Neatness has its value not only in appearance, but also in the way it affects the set as a whole, through careful wiring and placing of parts. Complete directions will, of course, be given.

The wiring diagram of the Super-Torodyne is that shown in figure 1. It will be noticed that the circuit is fairly standard, except that regeneration is used with an outside aerial. The term "outside aerial" is used in its general sense, and only to distinguish it from a loop. It may consist of a wire strung around the room. Regeneration is obtained in the antenna coupler in much the same way that it is obtained in a loop in many super-heterodyne circuits. The antenna and oscillator couplers are toroid in their construction, as was explained above. It is from these that the set gets its name. As is seen in the list of parts, air core intermediate stage coupling transformers are used, the high frequency response of the Victoreen units giving them a low noise level.

To further explain the action of toroid coils in the antenna and oscillator circuits, let us consider them first in the field for which they were developed. It was very important before their development that each stage in a tuned radio frequency set be shielded and the inductances placed at such an angle that there existed no magnetic coupling between them. Localizing radio frequency magnetic and electrostatic fields was no small job. Local broadcasting stations proved quite disastrous on the action of many receivers. In spite of the theoretical considerations and experiments which led to the set's rejection of signals fed directly into it and at a frequency differing to that for which the receiver was tuned, local stations kept on interfering and spoiling reception. Further consideration of the matter showed that linkages within the fields of each radio frequency transformer and the broadcasting sources resulted in each unit acting as sort of an antenna. The solution to this problem revealed by this discovery, was in toroid coils. These units have no external field —that is, the field at any point caused by a flow of current within the wire of a tor-

(Continued on next page)

SUPER-TORODYNE

List of Parts

4 Victoreen R. F. Trans.	Geo. W. Walker, Cleveland, Ohio	$28.00
2 Type AL-2 Shield Audio Transformers	Jefferson Elec. & Mfg. Co., Chicago	12.00
2 T-2 Toroid R. F. Trans.	All-American Radio Corp., Chicago	7.00
2 .000375 Hammarlund Condensers	Hammarlund Mfg. Co., New York	9.50
1 .000032 Hammarlund Junior Cond.	Hammarlund Mfg. Co., New York	1.80
1 Victoreen 400-ohm Potentiometer	Geo. W. Walker, Cleveland, Ohio	1.50
1 Battery Switch	Benjamin Elec. Mfg. Co., Chicago	.30
1 Pair Benjamin Brackets	Benjamin Elec. Mfg. Co., Chicago	.70
7 Bremer-Tully Universal Sockets	Bremer-Tully Mfg. Co., Chicago	5.25
1 B-T Silent Universal Socket	Bremer-Tully Mfg. Co., Chicago	1.25
1 B-T Radio Frequency Choke Coil	Bremer-Tully Mfg. Co., Chicago	.90
2 Velvet Vernier Dials	National Co., Cambridge, Mass.	5.00
2 1-mfd. Fixed Condensers	Tobe Deutschmann Co., Boston, Mass.	1.80
6 4v-199 Amperites	Radiall Company, New York city	6.60
2 No. 120 Amperites	Radiall Company, New York city	2.40
2 2-Megohm Grid Leaks	Allen-Bradley Co., Milwaukee, Wis.	1.50
1 .006 Fixed Condenser	Dubilier Cond. & Radio Corp. New York city	.75
13 Eby Binding Posts	H. H. Eby Mfg. Co., Philadelphia, Pa.	1.75
2 .00025 fixed Cond. with grid leak mtgs.	Dubilier Cond. & Radio Corp., New York city	.90
1 Formica Panel, 7x18	Formica Insulation Co., Cincinnati	2.85
1 Formica Panel, 7x17	Formica Insulation Co., Cincinnati	2.70
1 Formica Strip, 10½x1¼	Formica Insulation Co., Cincinnati	.30
1 10x18 Cabinet		8.50
Cook's Bus Bar Wire	E. N. Cook Plate Co., Providence, R. I.	.50
Miscellaneous: Screws, Spaghetti, etc.,		2.00
Total		$105.75

This set is not offered in a spirit of education for those in the kindergarten class in Radio. The super-heterodyne circuit is fundamentally the most complex circuit yet devised, aside from certain super-regenerative sets. No particular attempt has been made to produce a "most simple super-heterodyne," or anything of the sort, but rather to produce a may be said in all fairness, however, that stability of operation was recognized as a necessary essential in the finished product, and an effort to overcome the usual disadvantages attendant to stability was seriously made. This effort was quite successful, and is apparent when one studies the circuit and the arrangement of its different units.

Fred W. Stein.

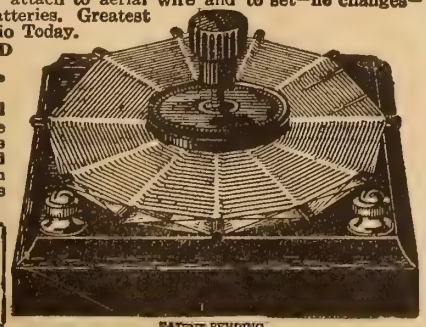
Steinite Low Loss Interference Eliminator

No Radio Set Complete Without It

Select stations at will. With music and voices crowding the air the average set fails to bring in the desired stations properly. The *Steinite Interference Eliminator* shuts out local and other interference. You get one station at a time, the one you want, and tune in loud and clear. Operates on any set—attach to aerial wire and to set—no changes—no extra tubes or batteries. Greatest Dollar Value in Radio Today.

OVER 300,000 SOLD

Improved Results With Tube or Crystal Try entirely at my risk the wonderful improvement this inexpensive little device will make in the reception of your set. Improves results on both crystal and tube sets that use any kind of aerial except loop antenna. Clears up reception wonderfully, increases volume, and partially absorbs static. ***MONEY-BACK GUARANTEE.***



PATENT PENDING

Mirs. Famous 1,500 Mi. Steinite 1-Tube Set, $6; Long Distance Crystal Set, $6; Steinite Crystal 50¢—3 for $1

STEINITE 5-Tube Set—$29.75

FREE Descriptive Literature on request.

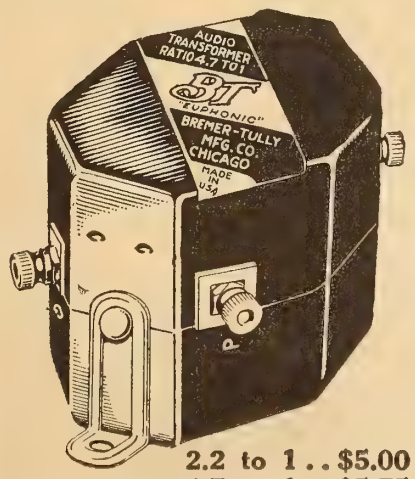
Put this interference eliminator on your set and note amazing improvement. No tools needed—install in a moments time. Connect with set and follow simple instructions. Money back promptly if not delighted. $1.00 postpaid anywhere in U. S. when cash with order.

$1 Postpaid If you are not delighted with results you get your dollar back

References: Exchange National Bank, Atchison Savings Bank. Order today—a dollar bill will do.

STEINITE LABORATORIES, 161 Radio Bldg., ATCHISON, KANSAS

BEST AUDIO TRANSFORMER BUY ON THE MARKET



2.2 to 1 . . $5.00
4.7 to 1 . . $5.75

J. E. Owen, Bureau of Tests and Measurements, University of Oklahoma and Radio Digest Technical writer, says, "I find your apparatus very excellent indeed. To my mind there is no better audio transformer buy on the market at anything near the price than your 2.2 to 1 Euphonic Transformer."

From a New York Pianoforte Instructor

Brooklyn, N. Y., March 10, 1926.

First let me tell you that in the past year I have built seven B-T Nameless Receivers.

Up to the completion of the seventh I was prepared to swear that there was no instrument in the world that could even equal it for selectivity, power and last but not least, tone quality. I say this from a musician's viewpoint.

Then came the Counterphase Six—

I think that you must take a malicious pleasure in springing surprises on competing manufacturers!

I have just completed my third one of these instruments. There is only one instrument that can come near to it in any way—and that is the "Nameless." I am using my personal instrument with a Western Electric Cone and their 25 B Power supply. The resulting reproduction is perfect.

The Counterphase sweeps all before it.

A. E. F.

Other B-T Products—

Lifetime Condensers
Tuning Controls
Tuners
Type UL Sockets
Silent Sockets
Nameless Kits
Counterphase Kits for Home Set Builders and Complete Factory-Built Counterphase Six Receivers

BREMER-TULLY MFG. CO.

532 South Canal Street CHICAGO, ILL.

NEW SUPER-TORODYNE

(Continued from page 19)

oid coil is zero, excluding flux leakage and choosing the point outside the unit. Therefore, the use of such coils in the radio frequency stages of a receiver proved quite satisfactory.

Two Antenna Taps

These coils carried over into the super-heterodyne circuit work quite well. Retaining the same characteristics that gave them success in the radio frequency circuits just described, they make in the super-heterodyne circuit for selectivity. Regeneration used with them makes the receiver also quite sensitive and selective. The unit selected used as an ocscillator coupler has an output just sufficient to satisfactorily mix with the incoming signal of the first detector, while two antenna taps are provided for long or short aerials, which is an added advantage.

Buy Units Separately

Just a word might well be said about the intermediate stage and the audio units. The Victoreen intermediate coils are sold in kits, or separately, as desired, and are tuned individually to a frequency for which they were designed. One may feel safe in buying them separately, because they are built to a standard. There is considerable talk by some manufacturers of iron core units against air core units, their contention being that often mismatched transformers are sold and the resulting amplification is therefore quite low. Most certainly it is true that a mismatched set of units will give very poor results. The Victoreen units, however, may be used in full faith that they are well matched, and will stand considerable abuse without becoming detuned. The Victoreen kit should not be bought because the oscillator unit included in the kit is not used in the Super-Torodyne.

HOW SUPER-TORODYNE WILL LOOK

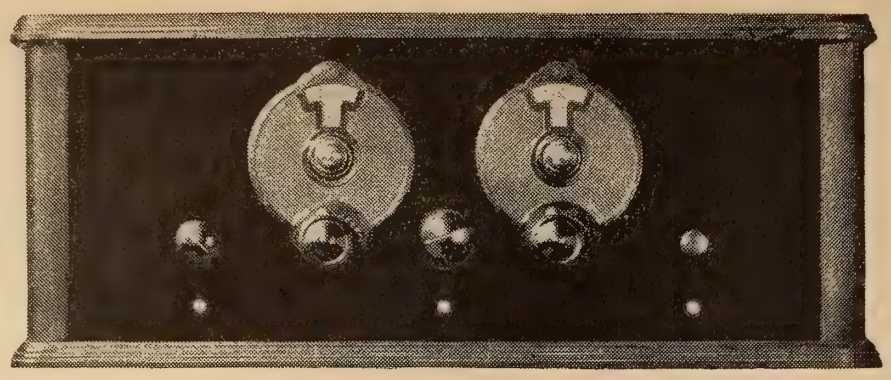


Figure..2

The writer on the Four-Filter Super in his first article recently gave a most excellent defense for the air core transformer and scored heavily against arguments that air core transformers of this type give distortion through elimination of side bands.

Use Quality Parts

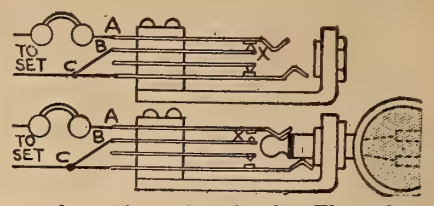
Although the expression "elimination of side bands" has no meaning in the audio stages, the major portion of distortion in most Radio receivers occurs in such stages, such irregularity being generally chargeable to the design of the transformer being such that they favor either the low or high register and thus lack any semblance of uniform amplification over the total broadcast frequency band. There are, however, available a few makes of audio transformers which clearly indicate the result of intensive research, and which produce straight line amplification characteristics which are most desirable.

Prominent among such transformers is the new Jefferson AL2 shield type, its amplification curve at broadcast frequencies from 40 cycles up being such that it is bound to find much favor among those insistent upon quality apparatus. It is to be remembered that any circuit is entirely dependent upon the quality of the parts used, while the arrangement and skill of the constructor follows in their order. Give this Super-Torodyne the benefit of good apparatus and it will prove a most excellent receiver.

(Next issue Professor Owen will start the actual construction of the Super-Torodyne by describing the panel layout, drilling and assembly instructions. Buy the specified parts and be prepared—Editor's Note.)

Connecting Phones in Series

The modern Radio experimenter often finds it desirable to connect another pair of phones in series with those that he is already using, but does not wish to take the time and trouble to disconnect the first set of phones in order to connect the



second set into the circuit. There is a very easy and simple way that this can be accomplished and the only material that is needed is an ordinary double circuit jack and plug.

In the great salt mine at Kalicz, Czecho-Slovakia, a receiving set and loud speaker have been installed in the deepest gallery of the workings, and the men are thus able to listen in to Vienna, Prague and other stations while working nearly a mile under the earth surface.

WDAE ON BUILT ISLAND

(Continued from page 5)

to do it regularly on a mere 250 watts! If you want to know who is the king of Davis Islands you'll find a monogram of a "D." and a "T." on a coronet of coils, tubes and crossed wires.

R. H. Megargle

The programs broadcast nightly from the Davis Islands Country club will rank with the finest on the air. Isham Jones and his famous Chicago orchestra playing their regular dance program at the Country club are broadcast each night. All dance lovers and most phonograph and Radio fans of America have heard this great orchestra, declared by musical authorities to be the greatest dance orchestra in the world. Isham Jones was brought to WDAE from the Kit Kat club, London, England, where he played a long engagement and his was acknowledged the favorite dance orchestra of the Prince of Wales.

Besides broadcasting orchestra and studio programs of exceptional merit, WDAE is teaching its listeners how to swim, how to play golf and how to dance by Radio. Miss Helen Wainright, champion woman swimmer of the world, is teaching a regular course in swimming every Wednesday night from 8:30 to 9 o'clock to students who hear her from the air.

On Thursday evenings, at the same hour, Miss Dorothy Mason, former dancing partner of Vernon Castle and instructor of dancing at Cornell university, takes the microphone to broadcast a weekly lesson in dancing.

On Friday night all the golf enthusiasts "tune in" on WDAE to hear Johnny Farrell, golf professional, at the Davis Islands Country club and runner-up in the national open golf tournament last year, broadcast his weekly golf instruction. Farrell, who recently beat Bobby Cruickshank for the Florida open golf championship, is making a big hit with the northern golfers who often are snowbound and unable to play their favorite game.

Ralph H. Megargle, director of Radio for the Tampa Times and Robert H. Nolan, one of the best known announcers in Florida, are handling the administration work and doing the announcing. Nolan, formerly with WGBU, Fulford-by-the-Sea, is also an entertainer of ability and features many programs with song and instrumental numbers. He announces as "B. N."

Megargle, who announces as "Tod," is well known and popular throughout the North as well as South because of his "sunshine state" announcements and stories. He is a former newspaper writer and has written many articles on Radio subjects.

Isham Jones and his orchestra will broadcast each night from WDAE until May 15. The programs start at 9 o'clock and continue until 2 a. m. On Sundays a special two hour concert, starting at 7:30 and continuing until 9:30, is broadcast.

WDAE operates on a wave length of 273 meters.

WBAP SUNFLOWER GIRL

(Continued from page 4)

life the night she sang to thousands in the Coliseum at Fort Worth, the occasion being the opening of the Fat Stock Show and Rodeo; this program was also broadcast. Mingled with the thunderous applause was the characteristic whoops and calls of the cowboys and cowgirls—many of them world champions.

The little Sunflower Girl is still wondering what's it all about, this Radio business, that can take a singer and make her popular in such a short time. Although she has refused good offers to go on the stage, yet she is glad she has been the means of adding to the enjoyment of others. Of the future, she says little; but some day when deams come true, she hopes to sing personally to the many inmates of Uncle Sam's hospitals, who have been so generous in their letters.

With the risk of telling a secret, will whisper that recent negotiations have been made whereby the little singer whose career has been so spectacular, is to journey to New York to sing for records.

We only wish that the folks who write in and ask to be told "something about the Sunflower Girl" could have seen her as we saw her; there in the delightful drawing-room of her temporary home, eager and unaffected and sincere; singing and playing for the sheer love of it and enthusiastic in the happiness it was bringing to others.

Professor J. E. Owen
Specifies the
HAMMARLUND
Straight-Line Frequency
and
"HAMMARLUND, JR."
CONDENSERS
In His New
SUPER
TORODYNE
The best is none too good
for those who know.
Write for Folder
HAMMARLUND MFG. CO.
424-438 W. 33rd St., New York
For Better Radio
Hammarlund
PRECISION
PRODUCTS

Cadiz, O.
Paris
Verified Reception from Paris by Cadiz, Ohio, Radio Fan
Coast to Coast On a Loop
is easy with a
Victoreen "Super"
The Heart of the Circuit
4—No. 170 R. F. TRANSFORMERS at $7.00 each and
1—No. 150 Coupling Unit at $5.50
No oscillations, howls or squeals—no matching of tubes.
Complete parts to build the "Victoreen" can be purchased of your dealers at moderate cost.
Ask your dealer for free "Victoreen" folder which contains hook-up and complete information or write us direct. This folder answers all questions regarding the "Victoreen" circuit.
Victoreen No. 170 R. F. Transformer—Neat and Compact 3" in diameter, 1" thick.
THE GEORGE W. WALKER CO.
6509 GARNEGIE AVENUE CLEVELAND, OHIO
Branch Offices in Principal Cities

Year after Year leading builders of fine sets use more Thordarsons than all competitive makes of transformers combined —proof they are best!
Zenith
Kennedy
Radiodyne
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Howard
Thermiodyne
Ozarka
Deresnadyne
Adler-Royal
Murdock
Mu-Rad
Valley
Leich
Silver-Marshall
Globe
Mohawk
Newport
Buckingham
Nunn-Landon
Kustombilt
and many others
ALSO— Choice of MacMillan Arctic Expedition
Do as they do —use
Thordarson
Super
Transformers
Standard on the Finest
Thordarson Electric Mfg. Co., Chicago

How to Stop Blooping and Man-Made Static

Part IX—Trouble Shooting Apparatus

By The Technical Staff

IN MAKING tests to locate sources of interference, as was shown in last week's article, one must approach the subject with an unprejudiced mind as to the source of the interference, and before concluding that the interference is caused by any given sourse, it is well to consider all possible conditions in which the interference may have originated from some other unknown cause. Investigating interference is a very fascinating detective game and one would sometimes suppose that the source of the interference had a sense of humor and was trying to evade detection in a manner similar to that of the most clever criminal.

As a major portion of interference is caused from leakages incident to transmission lines and their associated apparatus, there also exists disrupting surges from apparatus which are not defective.

In such cases where the electrical apparatus appears to be in good electrical condition it is often possible to supply some means of preventing electrical surges from getting out to the power line where they would radiate and cause interference.

Condenser Prevents Surges Traveling

Such electrical surges have the property of passing through condensers more readily than through inductances. The methods employed in preventing electrical surges which cause Radio interference, is to provide a path to ground in the form of a condenser. In order to make these filters effective, it is advisable to introduce between the line and the source of the disturbance a trap which will make the passage of the surge more difficult. This trap preferably takes the form of a choke coil consisting of a number of turns of wire of sufficient size to carry the required current without overheating.

Choke Coil Construction

A type of choke recommended for cases where the current is less than three amperes is constructed according to figure 16. It consists of 100 turns of number 18 double cotton covered copper wire comprising a single layer, wound on a fiber tube 3 inches in diameter, ⅛ inch thick. Leads are soldered to each end and made from number 14 flexible rubber insulated braid covered copper wire, making one turn around the tube then through a hole in the tube and extending through the inside of the tube a length of one foot.

All burrs should be carefully removed from the hole in the fiber tube so as not to cut the insulation. End rings or fillers are mounted at the end of the winding to build the coil form up to the same diameter as the outside diameter of the winding. These may be made of tape or a suitable size of fiber tube. The whole coil is then covered with five layers of Empire cloth and taped with friction tape and painted with an insulating varnish. Mounting lugs made of fiber can then be attached to each end of the coil. The finished coil should be mounted on a board covered with asbestos ⅛ inch thick and the leads soldered and thoroughly taped according to standard wiring practice.

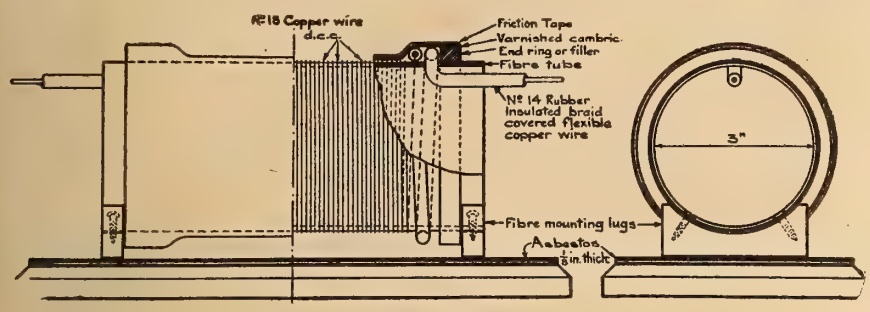


Figure 16

Mounting Condensers

Condensers which will stand a test voltage of 1,000 volts direct current may be connected across an alternating current or direct current circuit of 250 volts or less. On circuits which are protected by fuses of not more than 15 amperes capacity, no additional fuse is required for the condenser. On circuits protected by fuses of greater than 15 amperes capacity, a separate cut-out base and small fuse (of approved type) not exceeding 15 amperes, must be installed between the condenser and each ungrounded power wire. Where condensers are to be placed on wooden surfaces, they should be mounted on pads of asbestos at least ⅛ inch thick, and such pads should be sufficiently large to extend beyond the clamps used for holding the condenser in place.

Where condensers are to be used on 550-volt circuits, two condensers of the approved type must be connected in series between the lines, and the common point grounded. In such installations the condensers are to be protected by 600-volt fuses of not greater than 10 amperes

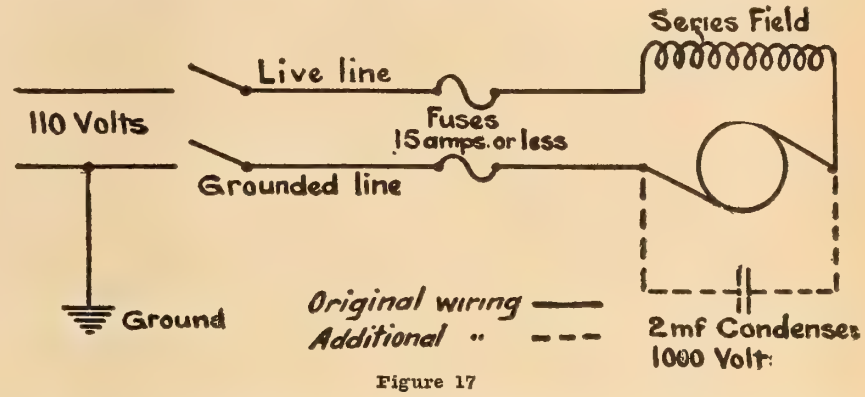
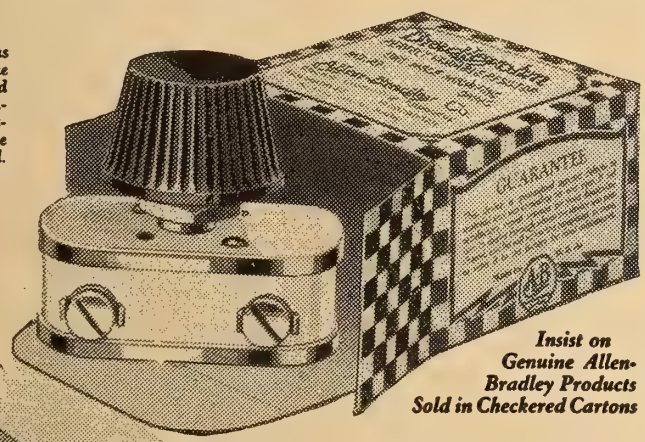


Figure 17

(Continued on next page)

The Bradleyohm is used as standard equipment on the Acme B-Power Supply and most other B-Battery eliminators provided with voltage control. Silent voltage control is thereby assured.

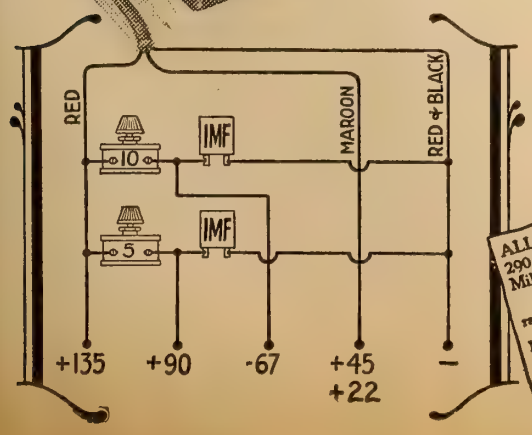


Insist on Genuine Allen-Bradley Products Sold in Checkered Cartons

How to Get Extra Voltage Taps from Your B-Eliminator

MANY radio receivers are provided with several B-Battery terminals for detector, amplifier and radio frequency tubes. To provide the extra voltage taps from B-battery eliminators, such as the Acme B-Power Supply unit, is a simple matter. The diagram below shows the method of connecting the necessary Bradleyohms and condensers.

A Bradleyohm No. 10 for the 67-volt connection and a Bradleyohm No. 5 for the 90-volt connection provide marvelously smooth control over a wide range for these terminals. The condensers may be larger if desired, especially when used with audio-frequency taps. The standard Bradleyohm in the eliminator gives sufficient range for the detector plate voltage. Your dealer can supply you with Bradleyohms and condensers. Try these connections tonight and improve your receiving set.



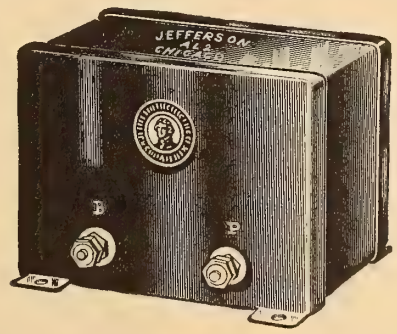
Mail the Coupon for Literature

ALLEN-BRADLEY COMPANY
290 Greenfield Avenue
Milwaukee, Wisconsin
Please send me literature on Allen-Bradley radio products including the Bradleyohm.
Name.....
Address.....
.....

Prof. Owen *Specifies*

JEFFERSON

A L Sealed Transformers



Prof. J. E. Owen of the Oklahoma University, after exhaustive research has selected Jefferson A L Sealed Audio Frequency Transformer for his new Super-Heterodyne circuit as described in this issue of Radio Digest. The A L Transformer was developed by Jefferson Radio Engineers after months of exhaustive experiments, the outcome of which allows us to offer to the radio public a transformer of a nicety of balance which comes from sufficient winding and large enough core and which gives an even amplification at low frequency and prevents resonant peaks at the higher frequencies. This transformer shows practically a straight line curve from 30 cycles for the low notes up to 10,000 cycles for the high notes.

A L Sealed Transformers Can Be Used with New Power Tubes

The A L Sealed transformer is one of the few which can be used with power tubes because it is heavily insulated throughout. This heavy insulation also causes less resistance between the primary and the core eliminating the danger of electrolytic action which is the cause of most open circuits.

A L Transformer Sealed

The Jefferson A L Sealed transformer is built into a metal case which makes it impervious to outside influences such as moisture which is liable to collect on the cord and windings if the transformer is used in damp places or humid climates so often found in summer homes and cottages. The extra large core permits the current to flow readily from tube to transformer preventing distortion. The A L Sealed transformer has not only been approved and tested by Prof. Owen but by most radio laboratories of this country. It is the last word in radio transformers manufactured. Ratio 2 to 1. Price **$6.00.**

For sale by all dealers. If your dealer does not carry the A L Transformer do not be satisfied with a substitute but write direct to manufacturer.

Jefferson Electric Manufacturing Co.

506 So. Green St., Chicago, Ill.

Specialists in Electrical Precision Equipment

HELP STOP BLOOPING

(Continued from page 21)

capacity in each live line. If the condensers are to be connected to two-phase or three-phase circuits of not greater than 600 volts, one condenser may be connected from each live line to ground and installed with fuses as stated above.

As these condensers contain wax, they should not be placed where they may be subjected to excessive heat. Condensers when connected to a circuit as stated above have no objectionable effect on the circuit, or the operation of any electrical associated apparatus.

Condensers of the Tobe Deutschmann or similar type of 1 mfd., 1,000 volts direct current, are suitable for installing in metal boxes as described above.

In many cases it is possible to make slight changes in the connections of the electrical apparatus causing the surge, in order to use some existing apparatus such as a choke coil and thus prevent the necessity of adding additional chokes to the system.

A series commutator motor, causing a surge of sparking at the brushes, may have its leads reversed to reduce the Radio interference. Where one wire is grounded, Radio interference from such a motor is often reduced by reversing the leads supplying the motor, so that the brushes are connected to the ground side of the line and the field coil is connected to the live side of the line. In this case, the field coil is used as a choke. It may also be necessary to place a condenser of one or two microfarads capacity across the brushes. See figure 17.

In cases where neither side of the line is grounded, a choke may be inserted on the line connected directly to one of the brushes, while the field coil may act as a choke in the other line. In such a case it is recommended to use two 2-microfarad condensers in series with the ground at the middle point according to the diagram, figure 18.

Where it is not convenient to make connections with the brushes of a motor, the condenser may be placed across the line as near the motor as possible, and a choke coil inserted in the live line, when necessary. Instructions for the installation of these units were given above. The live side of a low voltage lighting circuit may be determined by means of a test lamp connected from ground, first to one wire and then to the other. The lamp will light when connected from the live line to ground.

Battery Chargers and Sign Flashers

A battery charger of the vibrator type may be prevented from causing interference by connecting a condenser of ½ microfarad capacity across the vibrating contacts. It is useless to put condensers across the mains serving battery chargers, but it is essential to make use of the choke consisting of the wire and coil within the battery charger, to prevent the surge from getting out on the line.

Flashing electric signs may usually be prevented from causing interference by connecting condensers from ½ to 2 microfarads capacity across the contacts of the circuit breaker. As the Radio interference from such sources depends upon the conditions of the installation, it is necessary to make a few experiments, as suggested in our previous issue, in each case, in order to reduce the interference most effectively.

Sometimes the interference from such a sign is caused by sparking at the commutator of the motor which drives the flasher. This may readily be determined by the nature of the sound in the Radio receiver and can be remedied with the method described for dealing with interference from commutator motors.

Internal combustion engine ignition systems may cause Radio interference, but this is usually of a very local nature. Such, however, may be considerably reduced by making the leads from the magneto or spark coil to the engine as short as possible and running them in a grounded shield such as metal conduit or lead covered cable. The frame of the engine, magneto, and all shields, should be thoroughly grounded.

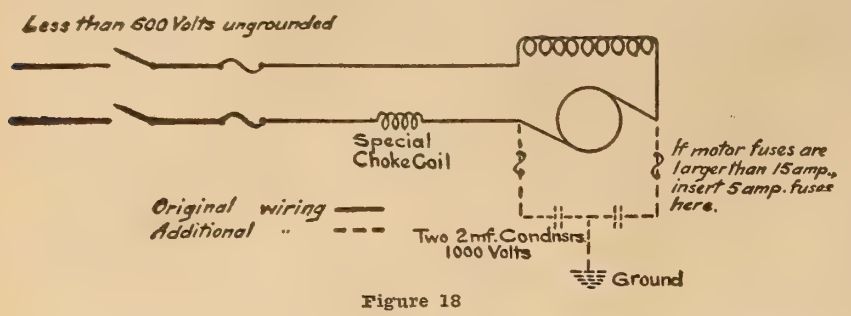
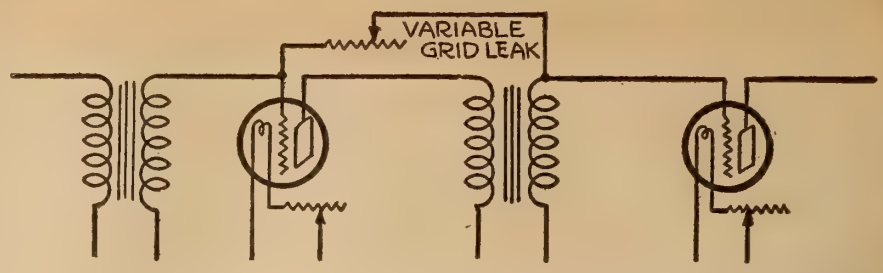


Figure 18

(In next week's article, the construction of a portable receiver suitable for locating interference will be described and suggestions for its use will be given. The devise should prove valuable to Radio clubs and organizations who are making efforts to elminate sources of interference.—Editor's note.)

KINK TO LESSEN SPEAKER NOISES



If you are troubled with various unwanted noises, try out this simple little experiment. In the accompanying sketch I show where an ordinary variable grid leak is connected between the grids of the last and preceding audio frequency tubes in order to control various kinds of distortion. I have found this arrangement most satisfactory. The resistance should be set at its lowest value and then increased very slightly. If howling should occur, the secondary leads of one or both transformers should be changed over.—Joseph H. Stevenson, Oak Station, Pa.

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and will consider applications for district Managers in New York State, Long Island, Connecticut, New Jersey, Pennsylvania. Intends to open branches in 20 towns. Under our plan of operation, we furnish the Radio Receiving sets and equipment, and make it possible for the applicant to start in business right away and make at least $2,500 per year income.

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It SEPARATES the STATIONS
One Dial (1 condenser)
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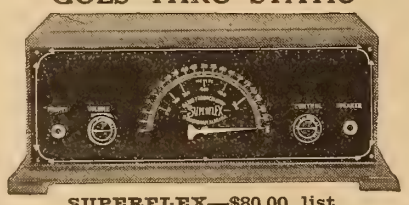

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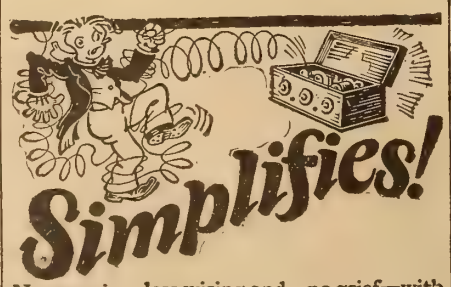

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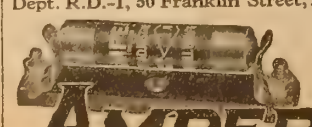

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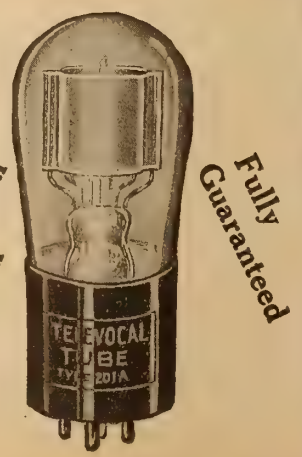

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I can't say too much for your Antennae as it surely does its stuff. RUSSELL DEAN."

Improves Reception 60%

Entirely eliminates all power noises such as leaky transformers, generators, motor hums, Delco Plants, etc. Cuts static and regeneration howls and squeals in two. Dr. Gehrig of Oakland, Cal., says it improves his reception fully 60 percent. Do away forever with disagreeable noises.

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SEND NO MONEY Just state number of batteries wanted and we will ship day order is received. Extra offer: 4 batteries in series (96 volts), $10.50. Pay expressman after examining batteries. 5 per cent discount for cash with order. Mail your order now!
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United States (Cont'd)

NOTE.—The fourth part of the schedule list appears below. Part five appears next week.

WLIT, Philadelphia, Pa. 394.5m-760kc. 500 watts. Lit Bros. Announcer, Harry E. Ehrhart. Club, "Morning Glory." Daily ex Sun, 12:02 pm, music; 2, music. Mon, 4:30 pm, 7:30, 8, 10. Tues, 11 am. Wed, Thurs, 4:30 pm. Wed, 7:30 pm, 8, 10, 11. Fri, 7:30 pm, 8:45, 10. Eastern.

WLS, Chicago, Ill. 344.6m-870kc. 5,000 watts. Sears, Roebuck & Co. Slogan, "World's Largest Store." Announcer, Donald F. Malin. Daily ex Sun, 6:30-8 am, Y. M. C. A.; 9-1:30, half hour markets; 12-1 pm, music; 2, markets; 3-4, homemakers' hour. Daily ex Sun, Sat, 6-6:40, supper program; 6:40, organ. Tues, 7, lullaby time; 7:20, music. Wed, 7-12 midnight. Thurs 7 pm, 7:20. Friday, 7-12 midnight. Sat, 7-12 midnight. Sun, 6 pm, prelude; 7-7:55, WLS Little Brown church. Central.

WLSI, Providence, R. I. 440.9m-680kc. 500 watts. Lincoln Studios, Inc.

WLTS, Chicago, Ill. 258.5m-1160kc. 100 watts. Lane Technical High School. Fri, 1-2 pm. Central.

WLW, Cincinnati, Ohio. 422.3m-710kc. 5,000 watts. The Crosley Radio Corp. Announcer, William Stoess. Daily ex Sun, 10:45 am, 11:55, time; 1:30 pm. Daily ex Sun, Fri, 7, dinner hour; 6:55, markets. Daily ex Sat, Sun, 7:45 am, morning devotions; 8, exercises; 12:15, program; 3, 4, reports. Mon, Tues, 8-10 pm. Wed, Thurs, 10-12 midnight. Sun, 9:30 am, 11, 7:30 pm, 8:30. Central.

WLWL, New York, N. Y. 288.3m-1040kc. 3,500 watts. The Paulist League. Announcer, James F. Cronin. Slogan, "For God and Country." Mon, Tues, Wed, 9 pm. Thurs, 8:30 pm. Sun, 8 pm. Eastern.

WMAC, Cazenovia, N. Y. 275.1m-1090kc. 100 watts. C. B. Meredith. No definite schedule.

WMAF, South Dartmouth, Mass. 440.9m-680kc. 1,000 watts. Round Hills Radio Corp.

WMAK, Buffalo, N. Y. 265.3m-1130kc. 500 watts. Norton Laboratories, Inc. Announcer Kenneth Salisbury. Daily ex Sun, 7:15 pm, news. Tues, Thurs, Sat, 6:15-7:15 pm, dinner music. Mon, Sat, 7:30-11 pm. Wed, 7:30-10 pm. Sun, 10:25 am, church; 7:30 pm, church service. Eastern.

WMAL, Washington, D. C. 212.6m-1410kc. 100 watts. M. A. Leese Optical Co.

WMAN, Columbus, Ohio. 277.6m-1080kc. 50 watts. First Baptist church. Announcer, John Bohannan. Sun, 10:30-12 noon, 7:30-9 pm, church services. Eastern.

WMAQ, Chicago, Ill. 447.5m-670kc. 1,000 watts. The Chicago Daily News. Announcer, Roberty Whitney. Daily ex Sun, 12-3 pm, 4-7. Daily ex Sun, Mon, 8-10 pm. Central.

WMAY, St. Louis, Mo. 247.8m-1210kc. 100 watts. Kingshighway Presbyterian church. Slogan, "May Every By-Way Hear Kingshighway." Mon, 8 pm. Sun, 11 am, 8 pm. Central.

WMAZ, Macon, Ga. 260.7m-1150kc. 500 watts. Mercer University. Announcer, Carey O. Pickard. Mon, 9-11 pm. Wed, 10-12 mid. Fri, 9-11 pm. Eastern.

WMBB, Chicago, Ill. 249.9m-1200kc. 500 watts. American Bond & Mortgage Co.-Trianon. Announcer, Col. House. Slogan, "World's Most Beautiful Ballroom." Daily ex Sun, Mon, 7-8 pm, 9-11. Sun, 3-5 pm, 7:45-11. Central.

WMBC, Detroit, Mich. 256.3m-1170kc. 100 watts. Michigan Broadcasting Co. Mon, Tues, Wed, 10 pm. Sun, Thurs, Fri, 8 pm. Eastern.

WMBF, Miami Beach, Fla. 384.4m-780kc. 500 watts. Fleetwood Hotel. Announcer, Ed Kampf. Daily, 7-8 pm, dinner concert; 8-9, 10-1 am. Eastern.

WMC, Memphis, Tenn. 499.7m-600kc. 500 watts. The Commercial Appeal. Announcer, Francis S. Chamberlin. Slogan, "Station WMC, Memphis." "Down in Dixie." Club, "Midnight Frolic." Daily ex Sun, 9:45 am, 11:30, 2:30 pm, weather, markets, music. Daily ex Sun, Wed, 8:30 pm, program; Tues, Fri, 11 pm, Midnight Frolic. Sun, 11 am, church service. Central.

WMCA, New York, N. Y. 340.7m-880kc. 500 watts. Hotel McAlpin. Announcer, Snedden Weir. Slogan, "Where the White Way Begins." Daily, 6-12 mid-Night. Tues, 11-1 pm. Sun, 11-12:15 pm, 5-11. Eastern.

WMSG, New York, N. Y. 212.6m-1410kc. 500 watts. Madison Square Garden.

WNAB, Boston, Mass. 249.9m-1200kc. 100 watts. The Shepard Stores. Announcer, Anthony W. Kipeck. Daily ex Sun, 3-4 pm. Eastern.

WNAC, Boston, Mass. 280.2m-1070kc. 500 watts. The Shepard Stores. Announcer, John J. Fanning. Daily ex Sun, 10:30-11:30 am, 12:15-2 pm, 4-5, 6-7:30, 8-10. Sun, 11 am, 1:30-2:30 pm, 6:15-8:30. Eastern.

WNAD, Norman, Okla. 254.8m-1220kc. 500 watts. University of Oklahoma. Announcer, C. E. Bathe. Slogans, "Oklahoma"; "Voice of Sooner Land." Daily ex Sun, 9:15 pm, weather, news. Mon, Tues, Wed, 7 pm, talks, music. Daily ex Sun, Sat, 12:50-1:20 pm. Sun, 9:30-11 pm. Central.

WNAL, Omaha, Nebr. 258.5m-1160kc. 50 watts. Central High School. Announcer, Ronald J. Rockwell. Slogan, "Pioneer Broadcast of Omaha." Fri, Sat, 7:30-9 pm. Central.

WNAT, Philadelphia, Pa. 249.9m-1200kc. 100 watts. Lennig Bros. Co. Announcer, Jess Brinton Young. Slogan, "We Never Are Tired." Wed, 6:50 pm. Eastern.

WNAX, Yankton, S. D. 243.8m-1230kc. 100 watts. Dakota Radio Apparatus Co. Daily ex Sun, 11:30 am, markets, weather. Mon, Wed, Fri, 2:30-3:30 pm. Mon, Wed, 8:30-9:30 pm. Sun, 5-6 pm. Central.

WNBH, New Bedford, Mass. 247.8m-1210kc. 100 watts. New Bedford Hotel. Announcer, A. J. Lopez. Mon, 6-10 pm. Wed, Fri, 6-7 pm, 8-10. Sun, 11-12:15 pm, 4:30-5:30, 7-8:30. Eastern.

WNJ, Newark, N. J. 252m-1190kc. 150 watts. Radio Shop of Newark, Inc. Announcer, W. A. Bingenheimer. Slogan, "The Voice of Newark." Tues, Wed, Fri, Sat, Sun, 6-6:30 pm, 8:30-12 midnight, dance music. Eastern.

WNOX, Knoxville, Tenn. 267.7m-1120kc. 500 watts. Peoples Telephone & Telegraph Co.

WNYC, New York, N. Y. 526m-570kc. 1000 watts. New York Municipal Radio station. Announcer Tom Cowan. Slogan, "Municipal Broadcasting Station of The City of New York." Tues, Thurs, 7 pm, markets; 7:30 pm, 10:30, police; 7:35, entertainment; 10:30, weather. Mon, Wed, Fri, 6:10 pm, markets. Eastern.

WOAI, San Antonio, Tex. 394.5m-760kc. 2000 watts. Southern Equip. Co. (Evening News-Express), Announcer, J. G. Cummings. Slogan, "The Winter Playground of America, Where the Sunshine Spends the Winter." Daily ex Sun, 10 am, weather reports, news; 12:15 pm, 2:30, 3, 6:15. Tues, Wed, Thurs, Fri, 8:30-9:30 pm. Sun, 11 am, service; 7:30 pm, 9:30. Central.

WOAN, Lawrenceburg, Tenn. 282.8m-1060kc. 500 watts. James D. Vaughan. Announcer, James D. Vaughan. Daily ex Sat, 9-10 pm, concert. Central.

WOAW, Omaha, Neb. 526m-570kc. 1000 watts. Woodmen of the World. Announcer, Lester Palmer. Slogan, "The City Surrounded by the United States." Daily ex Sun, 8:15 am, 8:55, 10:30, 12:30 pm, 1:45, 4, markets. Daily ex Sun, Sat, 12:45 pm. Daily ex Sun, Wed, 6-7:30, 9-11. Sat, 11-12 midnight, dance. Sun, 9-10:45 am, 1:30 pm, 2:30-4 pm, 6, 9. Central.

WOAX, Trenton, N. J. 239.9m-1250kc. 500 watts. F. J. Wolff. Slogan, "Trenton Makes; the World Takes." Daily ex Sun, 12:15-12:30 pm, 6-7. Tues, 8:30-10 pm. Fri, 8:30-10 pm, music. Sun, 9:30-11 pm. Eastern.

WOC, Davenport, Iowa. 483.6m-620kc. 5,000 watts. The Palmer School of Chiropractic. Slogan, "Where the West Begins and in the State Where the Tall Corn Grows." Daily ex Sat, Sun, 12:15 pm, weather, Radio Farm school; 1:55 pm, time; 2, closing markets; 3, home hour; 5:45, chimes; 6, bulletins. Tues, 6:30-7 pm, 7-9; New York program, 9-10. Wed, 4-4:45 pm; 9-10:30. Thurs, 7-10 pm, 11-12. Fri, 4-5 pm. Crescent orchestra; 6:30, 7:30-11 pm. Sat, 12:55 pm, 1, 5:45, 6, 6:30, 9-10 pm; 11-12. Sun, 1-2:30 pm, 6:30-7 pm, church; 8:15-9:15, WEAF program; 10-11:30 pm. Central.

WOCL, Jamestown, N. Y. 275.1m-1090kc. 15 watts. Jamestown Furniture Market Assn. Announcer, W. A. McCutcheon. Slogan, "We're on Chautauqua Lake." Mon, 9-9:15, 9:15-12 midnight. Sun, 10:30 am, 7:30-9. Eastern.

WODA, Patterson, N. J. 223.7m-1340kc. 500 watts. O'Dea Temple of Music. Slogan, "A Voice from the Silk City." Daily ex Sun, 12-1 pm; 5-7, 8:30-11. Eastern.

WOI, Ames, Iowa. 270.1m-1110kc. 750 watts. Iowa State College. Announcer, A. G. Woolfries. Daily ex Sun, 9:30 am, weather reports; 10:30, 12:30 pm, chimes, market, weather, educational talks; 9:30, weather. Tues, Thurs, 10:30 am, homemakers hour. Mon, Thurs, 7:30 pm. Central.

WOK, Homewood, Ill. 217.3m-1380kc. 5,000 watts. Neutrowound Radio Mfg. Co. Announcer, George W. Allen. Daily ex Sun, Mon, 5-7 pm; 10-1:30, Sun, 1-2 pm, 6-1. Central.

WOKO, New York, N. Y. 232.4m-1290kc. 50 watts. The Dyckman Radio Shop. Announcer, Oscar H. Sherrane. Mon, Thurs, Sat, 8-12 pm. Eastern.

WOO, Philadelphia, Pa. 508.2m-590kc. 500 watts. John Wanamaker; Announcer, Jos. N. Nassau. Daily ex Sun, 11 am, organ recital; 11:55, time; 12-1 pm, concert; 4:30, weather; 4:45, organ recital; 7:30, police reports; 9:55, time; 10:02, weather. Mon, Wed, Fri, 7:30-11 pm, music, concert. Sun, 2:30 pm, Sunday school; 6, organ recital; alternate am and pm services, 9:15, alternate Sundays. Eastern.

WOOD, Grand Rapids, Mich. 241.8m-1240kc. 1,000 watts. Hotel Rowe. Announcer, Maurice Wetzel. Slogan, "The Furniture Capital of America." Daily ex Sun, 10 am, weather. Mon, 9-1 am. Tues, Wed, Fri, Sat, 9-12 midnight. Central.

WOQ, Kansas City, Mo. 277.6m-1080kc. 1,000 watts. Unity School of Christianity. Tues, 8-9 pm. Thurs, 7-7:45 pm, 7:45-9, Sat, 8-9 pm, 10-11 pm. Sun, 11 am, 7-9:15 pm. Central.

WOR, Newark, N. J. 405.2m-740kc. 500 watts. L. Bamberger & Co. Announcer, J. M. Barnett. Daily ex Sun, 6:45, 2:30-4 pm. Mon, Wed, Sat, 6:15-12 midnight. Tues, Thurs, Fri, 6:15-7:30 pm. Eastern.

WORD, Batavia, Ill. 275.1m-1090kc. 5,000 watts. Peoples Pulpit association. Announcer, B. M. Rice Slogan, "Watchtower Station WORD." Tues, Wed, Fri, 7-8 pm; 9-10, 11-12. Thurs, 8-10 pm. Sat, 7-8 pm, 9-10. Sun, 2:30-4 pm, 7-8, 9-10:30. Central.

WOS, Jefferson City, Mo. 440.9m-680kc. 500 watts. Missouri State Marketing Bureau. Slogan, "Watch Our State." Daily ex Sun, first 15 min. of every hour from 9 am-2 pm, markets; 7, N. Y. stock and bond markets. Mon, Wed, Fri, 8-10 pm, concert. Sun, 9:30-10:30 am, services; 5 pm, vesper; 7:30-9, church service. Central.

WOWL, New Orleans, La. 270.1m-1110kc. 10 watts. Owl Battery company. Slogan, "Where Owl Batteries Are Made."

WOWO, Fort Wayne, Ind. 227m-1320kc. 500 watts. Main Auto Supply Co. Daily ex Sat, Sun, 12-1 pm. Mon, Thurs, 8-12 midnight. Wed, 7:15-12 midnight. Central.

WPAK, Fargo, N. D. 275.1m-1090kc. 100 watts. N. D. Agricultural College. Announcer, Gordon Laing. Mon, Wed, Fri, 7:30 pm. Central.

WPCC, Chicago, Ill. 258.5m-1160kc. 500 watts. North Shore Congregational church. Announcer, Rev. J. C. O'Hair. Wed, 7-8 pm. Fri, 7:30-9 pm. Sun, 11-12:30 pm; 3:30-5, 8, service. Central.

WPDQ, Buffalo, N. Y. 205.4m-1460kc. Hiram L. Turner.

WPG, Atlantic City, N. J. 299.8m-1000kc. 500 watts. Municipality of Atlantic City. Slogan, "World's Playgrounds." Mon, Tues, Fri, 7 pm. Tues, Thurs, Fri, Sat, 9 pm; 10, classics. Mon, 8 pm, Thurs, 11 pm. Sat, 6:30 pm, concert; 10, Sun, 3:15 pm, organ; 4:15, service; 10, service. Eastern.

WPRC, Harrisburg, Pa. 215.7m-1390kc. 100 watts. Wilson Printing & Radio Co.

WPSC, State College, Pa. 260.7m-1150kc. 500 watts. Pa. State College. Slogan: "The Voice of the Nittany Lion."

WQAA, Parksburg, Pa. 220.4m-1360kc. 500 watts. Horace A. Beale, Jr. Temporarily discontinued.

WQAC, Amarillo, Tex. 234.2m-1280kc. 100 watts. Gish Radio Service. Daily ex Sun, 10 am, 12 n, 7 pm. Sun, 11 am. Central.

WQAE, Springfield, Vt. 245.8m-1220kc. 50 watts. Moore Radio News Station. Announcer, Ernest S. Newell. Slogan, "The Pioneer Broadcasting Station of Vermont." Sat, 11-1 am. Sun, 10:30 am, church service; 7 pm, service. Eastern.

WQAM, Miami, Fla. 263m-1140kc. 100 watts. Electrical Equip. Co. Announcer, Frederick W. Mizer. Slogan, "The Most Southern Radiocasting Station in U. S." Daily ex Sun, 6-6:30 pm; 10:30-12:30. Wed, Sat, 7:30-9 pm. Sun, 10:45-12 noon, 3-4:30 pm, 7:30-9. Eastern.

WQAN, Scranton, Pa. 249.9m-1200kc. 100 watts. Scranton Times. Announcer, T. V. Nealon. Slogan, "The Voice of the Anthracite." Daily ex Sun, 12:30-1 pm, 4:30-5, news, reports, sports, music. Tues, Fri, 8 pm, entertainment. Sat, 10-12 midnight, dance music. Eastern.

WQAO, New York, N. Y. 361.2m-830kc. 500 watts. Calvary Baptist Church. Slogan: "The First Church Owned and Operated Broadcasting Station in the World." Wed, 8 pm, church service. Sun, 11:30 am, 3 pm, 7:30, church services. Eastern.

WQJ, Chicago, Ill. 447.5m-670kc. 500 watts. Calumet Baking Powder company-Rainbo Gardens. Announcer, Jerry Sullivan. Daily ex Sun, 11-12 m., women's hour. Daily, 3-4 pm. Daily ex Sun, Mon, 7-8 pm, 10-2 am. Sat, 11-12 m. 3-4 pm, 7-8, 10-3. Mon, 11-12 m, 3-4. Sun, 9:30 am, service; 3-4 pm, 8-10. Central.

WRAF, La Porte, Ind. 223.7m-1310kc. 100 watts. Radio Club, Inc. Announcer, Charles Middleton. Slogan, "The Voice of the Maple City." Mon, Thurs, Sun, 10:45 am, service; 8:30 pm. Central.

WRAK, Escanaba, Mich. 256.3m-1170kc. 100 watts. Economy Light Company. Announcer, H. E. Flath. Slogan, "The Gateway to Cloverland." Mon, Fri, 8:30 pm. Eastern.

WRAM, Galesburg, Ill. 243.8m-1230kc. 100 watts. Lombard College. Mon, 7-11 pm. Central.

WRAV, Yellow Springs, Ohio. 263m-1140kc. 100 watts. Antioch College. Announcer, Charles Hoffman. Wed, 8 pm, music; 9, educational. Sun, 7 pm. Central.

WRAW, Reading, Pa. 238m-1260kc. 10 watts. Avenue Radio & Elec. Shop. Slogan, "The Schuylkill Valley Echo." Announcer, C. M. Chafey. Tues, 9-11 pm. Thurs, 10-12. Eastern.

WRAX, Gloucester City, N. J. 267.7m-1120kc. 500 watts. Flexon's Garage. Announcer, A. D. Flexon.

WRBC, Valparaiso, Ind. 277.6m-1080kc. 500 watts. Immanuel Lutheran church. Announcer, Forrest Jones. Slogan, "World Redeemed by Christ." Mon, 7:30 pm. Wed, 7-8 pm. Sun, 7:30 pm, church service. Central.

WRC, Washington, D. C. 468.5m-640kc. 1000 watts. Radio Corp'n of America. Announcer, Norman Brokenshire. Slogan, "The Voice of the Capitol." Mon, Wed, Fri, 10 am-6:30 pm. Tues, Thurs, Sat, 10 am-12, midnight. Eastern.

WRCO, Raleigh, N. C. 252m-1190kc. 100 watts. Wynne Radio Co. Mon, Fri, 7-8 pm. Wed, 9-10 pm. Sun, 10:45 am; 1 pm. Eastern.

WREC, Coldwater, Miss. 254.1m-1180kc. 10 watts. Wooten's Radio & Elec. Co. Announcer, S. D. Wooten. Slogan, "The Most Powerful 10-Watt Station in the World." Sat, 9:30-10:30 pm; Sun, 4-5 pm. Central.

WREO, Lansing, Mich. 285.5m-1050kc. 500 watts. Reo Motor Car Co. Announcer, Roy E. Davis. Slogan, "Watch Reo." Daily ex Sun, 6-7 pm, dinner concert. Tues, Thurs, 8:15-10 pm. Sat, 10-12 midnight. Sun, 10 am, chimes; 10:30 am, 7:30 pm, church. Eastern.

WRHF, Washington, D. C. 256.3m-1170kc. Washington Radio Hospital fund.

WRHM, Minneapolis, Minn. 252m-1190kc. 50 watts. Rosedale Hospital, Inc. Announcer, Troy S. Miller. Tues, 11 pm. Wed, 9-11 pm, music. Sun, 9:30 am, 2 pm, 9:30. Central.

WRK, Hamilton, Ohio. 270.1m-1110kc. 200 watts. Doron Bros. Elec. Co. Slogan, "The Oldest Station in Existence." Sun, 10:15 am, church services. Central.

WRM, Urbana, Ill. 272.6m-1100kc. 500 watts. Univ. of Ill. Tues, 7-8 pm, musical. Sun, 4 pm, organ. Central.

WRMU, New York, N. Y. 236 meters. 100 watts. A. H. Grebe & Co., Inc. Motor Yacht "MU-1."

WRNY, New York, N. Y. 258.5m-1050kc. 500 watts. Experimenter Pub. Co. Daily ex Sun, 12 noon, 1:30 pm, 6:59-11. Sun, 1-2 am, 3 pm, 4, 8. Eastern.

WRR, Dallas, Texas. 245.8m-1220kc. 500 watts. City of Dallas. Announcer, John Thorwald. Slogan, "City of Achievements." Daily ex Sun, Wed, 12-1 pm; 5-5:30, 6-7, 8-9. Mon, 11-12 midnight. Tues, Fri, 11-12 midnight. Wed, 5-5:30 pm. Sat, 12-1 am. Central.

WRST, Bay Shore, N. Y. 215.7m-1390kc. 250 watts. Radiotel Mfg. Co., Inc. Slogan, "Radiotel on the Sunrise Trail." Daily ex Sun, 12-1 pm; 7-11. Sun, 10-12 m, 4-6, 8-11. Eastern.

WRVA, Richmond, Va. 256.3m-1170kc. 1,000 watts. Larus & Bro. Co., Inc. Announcer, Elmer G. Hoelzle. Slogan, "Carry Me Back to Ole Virginny." Mon, Wed, Thurs, 8-11 pm. Tues, 11-1 am. Fri, 7-11 pm. Eastern.

WRW, Tarrytown, N. Y. 272.6m-1100kc. 500 watts. Tarrytown Radio Research Laboratory. Announcer, Frederick Koenig. Slogan, "Westchester County's Broadcasting Station." Daily ex Sun, Wed, 9-11:30 pm. Mon, 7-8 pm. Wed, 10-11:30 pm. Sun, 8-9 pm, 10:30-11:30. Eastern.

WSAI, Cincinnati, Ohio. 325.9m-920kc. 5,000 watts. United States Playing Card Co. Announcer, P. A. Greene. Mon, 10-12 m. Tues, 5:30-10; 12-1. Wed, 7:30-12 midnight. Thurs, 6:30-10 pm. Sat, 7-10 pm; 12-1:30. Sun, 3-4:30 pm; 7:45-10:15, 8-10 pm. Central.

WSAJ, Grove City, Pa. 228.9m-1310kc. 250 watts. Grove City College. Horace Montgomery, activities. Wed, 7:30-9 pm, music, irregular programs. Eastern.

WSAN, Allentown, Pa. 228.9m-1310kc. 100 watts. Allentown Call Pub. Co. Announcer, C. Fred Ritter. Tues, Thurs, 8:15 pm. Sat, 8:15 pm, 11:30. Eastern.

WSAR, Fall River, Mass. 254.1m-1180kc. 100 watts. Doughty & Welch Elec. Co., Inc. Announcer, Wm. A. McGrath. Daily ex Sun, 12-1 pm. Mon, Wed, Fri, 5-6 pm. Sun, 10:30-12 m. Eastern.

WSAX, Chicago, Ill. 267.7m-1120kc. 100 watts. Zenith Radio Corp. (Portable).

WSAZ, Pomeroy, Ohio. 243.8m-1230kc. 50 watts. Chase Elec. Shop. Announcer, Glenn E. Chase. Sat, 2 pm. Sun, 10:30 am, 2:30 pm. Eastern.

WSB, Atlanta, Ga. 428.3m-700kc. 1,000 watts. Atlanta Journal. Announcer, Lambdin Kay. Slogan, "The Voice of the South." Daily ex Sun, 12-1 pm, music, weather; 2:30, reports; 5, orchestra, 8-9, concert (ex Wed) 10:45-12, concert. Sun, 5-6, 7:30-9:15, church services. Central.

WSBC, Chicago, Ill. 209.7m-1430kc. 1000 watts. World Battery Co. Daily ex Sun, Mon, 6:30-8:30 pm; 10-1. Mon, 5:30-7 pm. Sat, 2-4 am. Sun, 6:30-8:30 pm, 10-1.

WSBF, St. Louis, Mo. 272.6m-1100kc. 250 watts. Stix Baer & Fuller Dry Goods Co. Announcer, Helen G. Hatfield. Daily, 12-12:30 pm, 3-3:30. Mon, Wed, Fri, 7:30-9 pm. Wed, 11-1 am. Thurs, 10-12 midnight. Sun, 9-10 pm. Central.

WSBT, South Bend, Ind. 275.1m-1090kc. 500 watts. South Bend Tribune. Announcer, C. G. Livengood. Mon, Wed, Fri, 7:15-9:30 pm, concert. Central.

WSDA, New York, N. Y. 263m-1140kc. 250 watts. City Temple. Thurs, 7:15-9:30 pm. Sat, 10:45-1 pm. Sun, 7:30-9:30 pm. Eastern.

WSKC, Bay City, Mich. 260.7m-1150kc. 100 watts. World's Star Knitting Co. Announcer, L. M. Nims. Slogan, "Where the Summer Trails Begin." Mon, Wed, 9-11 pm. Sat, 11-2 am. Eastern.

WSM, Nashville, Tenn. 282.8m-1060kc. 1,000 watts. National Life and Accident Insurance Company. Announcer, George Hay. Mon, Wed, Fri, 6:30-9 pm, 10-11. Tues, 10-12 mid. Sat, 6:30-12 mid. Sun, 10:30-12 noon, 7:30-9 pm. Central.

WSMB, New Orleans, La. 319m-940kc. 500 watts. Saenger Theaters, Inc., and The Maison Blanche Co., Daily ex Sun, 12:30-1:30 pm, 3:30-4:30, 6:30-7:30. Mon, Wed, Thurs, Sat, 8:30-10:30 pm. Sat, 12-1 am. Central.

WSMH, Owosso, Mich. 239.9m-1250kc. 30 watts. Shattuck Music House. Announcer, Don Shattuck. Wed, 8 pm. Sat, 10 pm. Sun, 10 am. Eastern.

WSMK, Dayton, Ohio. 275.1m-1090kc. 500 watts. S. M. Krohn, Jr. Slogan, "The Home of Aviation." Daily ex Sun, 12-1 pm; 1-4:30. Daily ex Sun, Tues, 6-7 pm. Sun, 8-12 mid. Central.

WSOE, Milwaukee, Wis. 245.8m-1220kc. 500 watts. School of Engineering of Milwaukee. Announcer, O. W. Meissner. Slogan, "In the Land of the Sky-blue Waters." Daily ex Sat, Sun, 5:25 pm, 5:30, 5:45, 6:05. Daily ex Sun, 9-10 pm. Tues, 7:30 pm; 8:45, Wed, 8:30 pm. Thurs, 8:30 pm; 8:15. Fri, 8:45 pm. Sat, 2 pm, reports; 2:05, 8:30, 9. Mon, 2 pm, cooking chat. Sun, 9:30 am; 11. Central.

WSRO, Hamilton, Ohio. 252m-1190kc. 100 watts. Radio Co. Announcer, Harry W. Fahrlander. Slogan, "We Sell Radio Only." Tues, Fri, 8-10 pm. Sun, 2-4 pm. Central.

WSSH, Boston, Mass. 260.7m-1150kc. 100 watts. Tremont Temple Baptist church. Announcer, Raymond B. Meader. Fri, 7:30-8:30 pm. Sun, 10:30 am; 6:30 pm, church service. Eastern.

WSUI, Iowa City, Iowa. 483.6m-620kc. 500 watts. Univ. of Iowa. Announcer, Carl Menzer. Mon, Tues, Wed, Thurs, Fri, 12:30-1 pm. Mon, 7:30 pm. Wed, 9-9:30 am; 7:30 pm. Alternate Mon, 4 pm. Sat, 7:30 pm. Sun, 9:30-10 pm. Central.

WSVS, Buffalo, N. Y. 218.8m-1370kc. 50 watts. Seneca Vocational School.

WSWS, Chicago, Ill. 275.1m-1090kc. 1,000 watts. S. W. Straus & Co. Daily ex Sun, 11-1 pm Daily ex Sun, Mon, 6-7 pm, 8-9, 10-11. Tues, Thurs, Sat, 12-1 am. Sun, 11-12:30 pm, 3:30-5, 7-9:30. Central.

WTAB, Fall River, Mass. 265.3m-1130kc. 100 watts. Fall River Daily Herald. Daily ex Sun, Thurs, 6:15 pm. Mon, Thurs, 10:45 am. Tues, 7:30-9 pm. Thurs. 7:30 pm. Sun, 6:15 pm. Eastern.

WTAD, Carthage, Ill. 236.1m-1270kc. 50 watts. Robert E. Compton. Mon, 8-10 pm. Thurs, 9-11 pm. Central.

WTAG, Worcester, Mass. 267.7m-1120kc. 500 watts. Worcester Telegram. Announcer, Chester Gaylor. Slogan, "The Voice from the Heart of the Commonwealth." Daily ex Sun, 10:30-2 pm, music, reports; 4-5, music, stocks. Mon, Wed, Fri, 7:15 pm. Tues, Thurs, Sat, 5:15 pm, "The Twinkle-Twinkle Story Teller." Daily ex Sat, 8 pm. Eastern.

WTAL, Toledo, Ohio. 252m-1190kc. 10 watts. Toledo Radio & Elec. Co. Announcer, Reginald Baxter. Slogan, "The Gateway to the Sea." Daily ex Sun, 7:30 pm. Eastern.

WTAM, Cleveland, Ohio. 389.4m-770kc. 3,500 watts. Willard Storage Battery Co. Announcer, A. R. Herske. Slogan: The Voice from the Storage Battery." Daily ex Sun, 12:15-1:30 pm, 6-7 pm, dinner program. Mon, 8-1 am, concert. Wed. 8-1 am. Sat, 8-12 midnight, dance. Eastern.

WTAP, Cambridge, Ill. 241.8m-1240kc. 100 watts. Cambridge Radio & Elec. Co. Announcer, B. Talbot.

WTAQ, Eau Claire, Wis. 254.1m-1180kc. 100 watts. C. S. Van Gorden. Announcer, Mrs. C. S. Van Gorden. Slogan: "The Voice of the Wilderness." Daily ex Sun, 10:30 am, 12:15 pm, 6:15, weather, markets; 6:30, code. Tues, 8 pm. Fri, Sun, 7:30 pm. Central.

WTAR, Norfolk, Va. 260.7m-1150kc. 100 watts. Reliance Electric Co. Announcer, J. K. Bohannon. Slogan, "Down in Old Virginia." Daily ex Sun, 6:15 pm, weather, markets, news. Fri, 8-9 pm, music. Eastern.

WTAW, College Station, Tex. 270.1m-1110kc. 500 watts. Agricultural and Mechanical College of Texas. Wed, Fri, 8 pm. Sun, 11 am. Central.

WTAX, Streator, Ill. 230.6m-1300kc. 50 watts. Williams Hardware Co., Radio Division. Announcer, N. B. Williams. Slogan: "Tappa Kegga Nails." Tues, 7-8 pm. Thurs, 8-12 mid. Sat, 8:30-10 pm. Central.

WTAZ, Lambertville, N. J. 260.7m-1150kc. 15 watts. Thomas J. McGuire. Mon, 8-10 pm, music. Eastern.

WTIC, Hartford, Conn. 475.9m-630kc. 500 watts. The Travelers Insurance Company. Slogan, "The Insurance City." Mon, 11 am, 1 pm, 6:30-12. Wed, 6:30-10 pm. Thurs, 6:30-7:30 pm. Fri, 11 am, 1 pm; 6:30-12. Sat, 6:30-11:30 pm. Sun, 9-10:15 pm. Eastern.

WWAD, Philadelphia, Pa. 249.9m-1200kc. 250 watts. Wright & Wright, Inc. Announcer, H. W. Feyhl. Slogan, "Penn City Station." Mon, 7:45 pm. Thurs, 7 pm. Every other Sun, 9:30 pm. Eastern.

WWAE, Plainfield, Ill. 241.8m-1240kc. 5,000 watts. Electric Park. Announcer, Harry B. Ohlhaver. Daily ex Sun, 12:30-1:30 pm; 9-12, midnight, orchestra. Sun, 10:50-12:15 pm, Methodist church; 3:30-4:30, popular program. Central.

WWAO, Houghton, Mich. 263m-1140kc. 250 watts. Michigan College of Mines.

WWGL, Richmond Hill, N. Y. 212.6m-1410kc. 500 watts. Radio Engineering Corp.

WWI, Dearborn, Mich. 265.3m-1130kc. 500 watts. Ford Motor Co. Wed, 8-10 pm, music, lectures. Eastern.

WWJ, Detroit, Mich. 352.7m-850kc. 1,000 watts. The Detroit News. Announcer, E. L. Tyson. Mon, Wed, Fri, 7:30-8 am, 8-8:30 am, setting-up exercises; 9:30-9:45, household hints; 10:25-10:30, weather; 11:55-12, time; 12:05-12:45 pm, music; 3-3:55, music; 3:55, markets. Daily ex Sat, Sun, 6-7, dinner concert; 8, music. Mon, Wed, Fri, 9 pm, orchestra. Wed, 10 pm, orchestra. Sun, 11 am, church service; 2-3 pm, concert; 7:20, Capitol theater; 9:15, operatic stars Eastern.

WWL, New Orleans, La. 275.1m-1090kc. 100 watts. Loyola Univ. Announcer, O. L. Abell. Sat, 7:30-8:30 pm. Central.

Canada

CFAC, Calgary, Alta. Can. 434.5m-690kc. 500 watts. Calgary Herald. Announcer, Fred Carleton. Daily ex Sun, 1 pm, news, markets, music. Mon, 9-10 pm. Tues, Wed, 8-9 pm. Thurs, 9-11 pm (CNRC), Fri, 7-8 pm. Mountain.

CFCA, Toronto, Ont., Can. 356.9m-840kc. 500 watts. Toronto Star. Announcer, E. J. Bowers. Daily ex Sun, 12 noon, weather, news, stocks; 5:30-6:10 pm, news. Wed, 8-10 pm, music, 11, dance. Thurs, 8-12, concert. Fri, 6:30-12 mid, CNRT. Sun, 11 am, 7 pm, church services. Eastern.

CFCF, Montreal, P. Q., Can. 410.7m-730kc. 1,650 watts. Canadian Marconi Co. Announcer, C. Walter Darling. Daily ex Sun, 12:45-1:40 pm, stocks, music, Mon, Fri, 7-7:30 pm, bedtime stories; 7:30-8:30, music; 9-10, 10:30-11:30, orchestra. Wed, 7-8 pm, orchestra. Eastern.

CFCH, Iroquois Falls, Ont., Can. 499.7m-600kc. 250 watts. Abitibi Power & Paper Co., Ltd. Slogan, "The Call of the North." Experimental station for forest protection.

CFCK, Edmonton, Alta., Can. 516.9m-580kc. 100 watts. Radio Supply Co., Ltd. Daily ex Sun, 4-5 pm. Wed, 9-10:30 pm. Sun, 1-5:30 pm. Mountain.

CFCN, Calgary, Alta., Can. 434.5m-690kc. 1,800 watts. W. W. Grant, Ltd. Slogan, "Voice of the Prairies." Tues, 11:30 pm, Bronco Busters; Wed, 9 pm, Fri, Sat, 10 pm, Sun, (alternate) 11 am, 7:30 pm, service. Mountain.

CFCQ, Vancouver, B. C. 410.7m-730kc. 10 watts. Sprott-Shaw Radio Co.

CFCT, Victoria, B. C., Can 329.5m-910kc. 500 watts. The Deaville Station. Slogan, "The Mecca of Tourists." Wed, Fri, 8-9:30 pm. Every second Thurs, 10:30 pm, 12 mid. Night Birds, Sat, 10-11 pm. Sun, 11 am, 3 pm, 7:30. 9:30, organ. Pacific.

CFCU, Hamilton, Ont., Can. 340.7m-880kc. 500 watts. Jack V. Elliot, Ltd.

CFCY, Charlottetown, P. E. I. 312.3m-960kc. 50 watts. Island Radio Co.

CFDC, Vancouver, B. C., Can. 410.7m-730kc. 10 watts. Western Auto Elec. Co.

CFKC, Thorold, Ont., Can. 247.8m-1210kc. 75 watts. D. J. Fendell. Daily ex Sun, 12-12:30 pm; 5-6. Tues, Thurs, Sat, 8:30-10:30 pm. Sun, 11 am, church service; 2-4 pm, 8 pm, sacred concert, music.

CFMC, Kingston, Ont., Can. 267.7m-1120kc. 20 watts. Monarch Battery Co.

CFQC, Saskatoon, Sask., Can. 329.5m-910kc. 500 watts. The Electric Shop, Ltd. Announcer, Grant Stevenson. Slogan, "The Hub City of the West Where No. 1 Northern Hard Wheat Grows." Daily ex Sun, 9-10 am; 1:15-2 pm, markets, reports, music. Wed, 8-10 pm. Fri, 9-11:30 pm, dance program. Sun, 11 am, 7 pm, church service. Mountain.

CFRC, Kingston, Ont., Can. 267.7m-1120kc. 500 watts. Queen's University. Discontinued temporarily.

CFXC, New Westminster, B. C. 291.1m-1030kc. 50 watts. Westminster Trust Co. and Hume & Rumble, Ltd. Announcer, C. P. Rumble. Slogan, "Voice of the Fraser River." Mon, Wed, Sat, 7:30-8:30 pm. Pacific.

CFCY, Barnaby, B. C. 410.7m-730kc. 500 watts. Commercial Radio, Ltd. Slogan, "Canada's Flourishing Young City." Sun, 11 am, 7 pm. Atlantic.

CHCS, Hamilton, Ont., Can. 340.7m-880kc. 10 watts. Hamilton Spectator. Announcer, H. Earnshaw. Daily ex Sun, 6:45 pm, news, markets, baseball. Sat, 10-12 midnight, dance. Sun, 11 am, 7 pm. Eastern.

(The above listings complete the stations in the United States and part of the foreign broadcasters. Part V consists of a complete location index of stations and the remainder of the foreign list. This appears next week.)

Photogravures of Your Favorite Artists

GALLERY OF RADIO STARS

SUITABLE FOR FRAMING OR PLACING IN YOUR ALBUM

BY special arrangement, Radio Digest is able to offer our readers an opportunity to secure fine photogravures of their favorite Radio stars at practically no cost.

Radio fans will be able now, by this very special offer, to have pictures of their favorite artists and announcers before them when they listen in.

All that is necessary to secure photogravures from the Gallery of Radio Stars is to send the coupon published each issue in Radio Digest, accompanied by ten cents to cover the cost of mailing and postage. Where a series of three photogravures is desired, it will only be necessary to send twenty-five cents and three consecutive numbered coupons clipped from Radio Digest. Remittance must accompany the coupon. Cash at your risk. Add 5 cents to personal checks for exchange.

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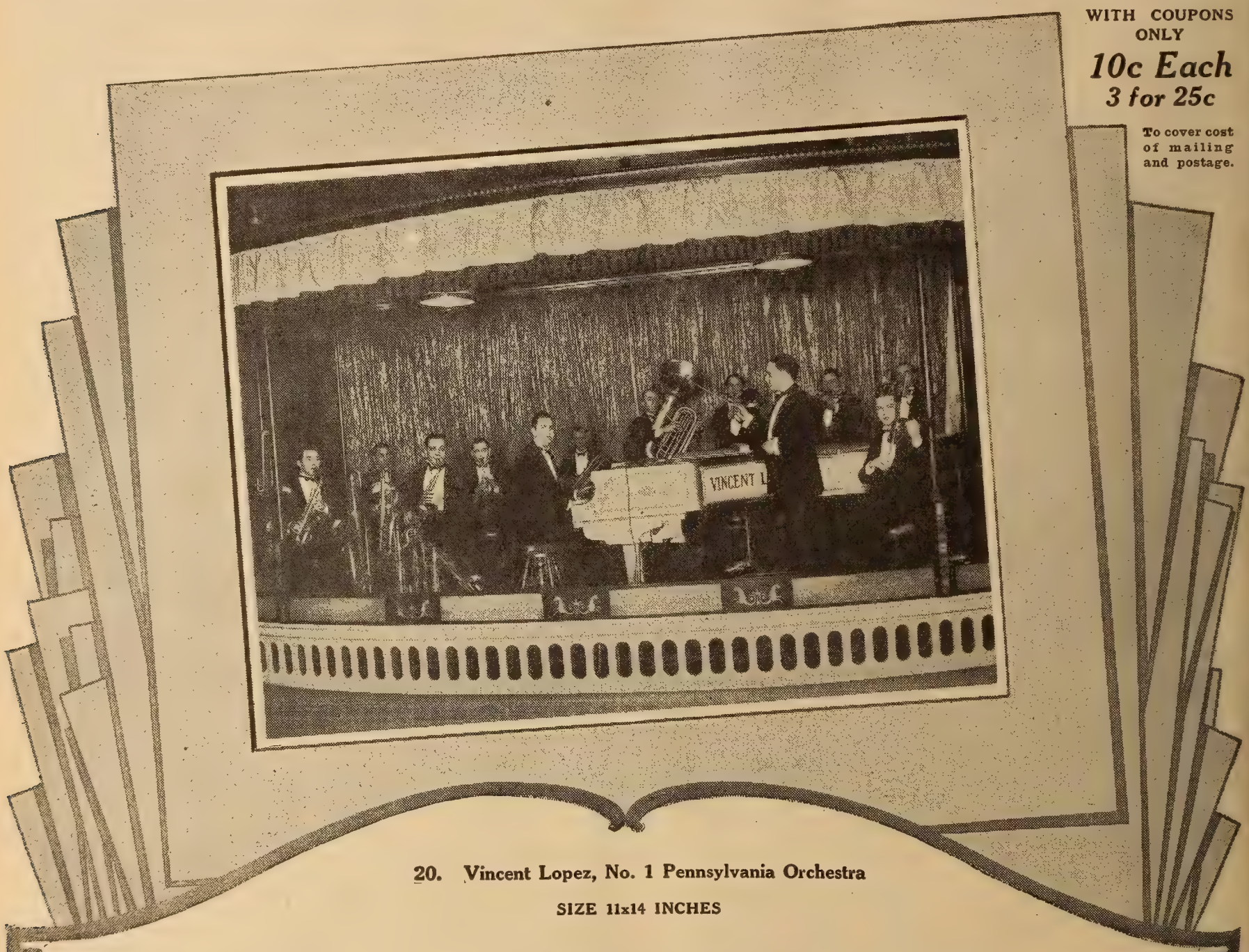

20. Vincent Lopez, No. 1 Pennsylvania Orchestra

SIZE 11x14 INCHES

Select Your Favorites from the Gallery of Radio Stars

1 Wendell Hall, king of ukulele ditties
2 Graham McNamee, 1925 Gold Cup announcer
3 Jack Little, popular wandering balladist
4 Billy B. Van, the sunshine man
5 Coon-Sanders' "Nighthawks" at KYW
6 George Hay, 1924 Gold Cup announcer
7 Harmony Girls, Edith Carpenter, Grace Ingram
8 Ford and Glenn, Lullaby Boys of WLS
9 "Roxy" Rothafel of WEAF chain fame
10 The Hired Hand, famous "Substitute Announcer" of WBAP
12 Bob Emery, Big Brother of WEEI
13 "Bill" W. G. Hay, ex-KFKX, now of WLIB
14 Happiness Boys, jovial singers of WEAF
15 Lambdin Kay, "Little Colonel" of WSB
16 Leo Fitzpatrick, "Merry Old Chief," WJR
17 Henry Field, 1925 Gold Cup runner-up
18 Al Carney, organ favorite at WHT
20 Vincent Lopez, No. 1 Pennsylvania orchestra
21 E. L. Tyson, pleasing voice at WWJ
23 Art Gillham, "The Whispering Pianist"
24 Paul Greene, announcer at WSAI, "bridge voice"
25 Harry Ehrhart, "Dream Daddy" at WLIT
26 Correll and Gosden of "Kinky Kids Parade" fame, at WEBH and other stations.
27 Norman Brokenshire, popular at WRC, WJZ
29 Jane Novak, Blues Singer of Twin Cities, WCCO
30 Jean Sargent, the original, now at WHT
31 Ralph Emerson, popular organist at WLS
32 Edna Adams, of KPRC
33 Pat Barnes, vaudeville announcer at WHT
38 Walter Wilson, "Uncle Bob" of KYW
40 Ray-O-Vac Twins, known country-wide
41 Art Linick, KYW's Mrs. Schlagenhauer
42 Fred Hamm of WTAS, now WLIB, fame
43 Meyer Davis' Le Paradis orchestra of WRC
46 D. R. P. Coats, 1925 Silver Cup announcer
47 Gene Rouse, WOAW's popular announcer
49 Iris Ruth Pavey, KOA's invisible stage beauty
51 Ipana Troubadours, on the WEAF Chain.

COUPON NO. 16

This coupon entitles the holder to one photogravure selected from the Radio Digest Gallery of Radio Stars when accompanied by ten cents to pay the cost of mailing and postage.

Three consecutively numbered coupons entitle the holder to three photogravures when accompanied by 25 cents. Remittance must accompany the coupon. Cash at your risk. Add 5 cents to personal checks for exchange.

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Eighth Installment "A Step On the Stairs"; WCOA, "Wonderful City of Pensacola"; WOAW Builds Community Interest; Super-Torodyne Panel Assembly; Women's Programs

No. 4 OFFICIAL BALLOT

Announcers' Contest

RADIO DIGEST THIRD ANNUAL GOLD CUP AWARD

GOLD CUP AWARD Editor, Radio Digest,
510 North Dearborn Street, Chicago, Ill.

Please credit this ballot to:

.....of Station.....
(Announcer's Name) (Call Letters)

Signed.....

Address.....

City..... State.....

4-17-26

NOMINATION CERTIFICATE

Announcers' Contest

Radio Digest Third Annual GOLD CUP AWARD

GOLD CUP AWARD Editor, Radio Digest,
510 North Dearborn Street, Chicago, Ill.

Dear Sir:

I nominate.....

Station.....
(Broadcasting Station)

Signed.....

Address.....

City..... State.....

ONLY SEVENTY-EIGHT NAMES IN CUP RACE!

LISTENERS HAVE WIDE SELECTION IN 1926 AWARD

Who Will Be World's Champion Announcer This Year? Three Cups on Prize List

Seventy-eight favorite announcers, two of whom have voluntarily withdrawn, have been nominated by admiring listeners to participate in the third annual Radio Digest Gold Cup Award for the world's most popular announcer. The two withdrawn on their own initiative, are George Hay and Graham McNamee, winners of the 1924 and 1925 cups. They wish to establish a precedent, as they announced last issue, of "single terms" for Gold Cup announcers.

The entire list of nominees to date appears below. The number is larger at this period of the competition than ever before. The race is predicted to be one of the keenest contests in the history of the Gold Cup Award.

Who will win? The answer is, the announcer with the greatest support from the invisible audience.

Three Cups for Winners

The complete list of nominees appears below. It contains names of men heard nightly from every section of this country and Canada. Select the one for whom you are going to save ballots and try to elect. If undecided, there will be enough ballots to split your vote among several favorites.

The winner will receive a solid, 14-carat gold cup. The second highest will be given a beautiful silver loving cup, as will likewise the Canadian winner. The next fifteen highest in standing at the close will be rewarded with certificates of honorable mention.

Here they are. Take your choice:

Announcer	Station
Arnoux, G. C.	WGY
Barnett, Stanley	WBAL
Broza, Stanley A.	WCAU
Barnes, Patrick Henry	WHT
Brokenshire, Norman	WJZ
Caldwell, Nate	ex-KMOX
Calhoun, Adams	WFAA
Crowder, Ralph	KOA
Cross, Milton	WJZ
Cole, N. Dean	WHO
Carlin, Phillips	WEAF
Carter, John T.	WDOD
Chamberlin, Francis C.	WMC
Cox, M. J.	WJZ
Daniel, Alfred P.	KPRC
Daggett, John	KHJ
Daniel, John B.	WJZ
Emery, Robert E.	WEEI
Falch, Floyd	WBBM
Fay, William	WGY
Fickett, Kenneth	WGR
Field, Henry	KFNF
Fitzpatrick, Leo	WJR
Freese, Ralph	KOA
Fitzer, H. Dean	WDAF
Grant, W. W.	CFCY
Grubb, Gayle V.	KFAB
Griffin, Robert W.	WHO
Haller, Richard V.	KGW
Husing, Edward B.	WRC
Herske, A. R.	WTAM
Hay, George D.	(See footnote)
Hay, William (Bill) G.	WGN
Hired Hand, The	WBAP
Isbell, Harold	KYW
Janitor, The	WFAA
Johnen, Louis John	WLW
Jones, Miss V. A. L.	KSD
Johnson, Paul	WCCO
Joy, Leslie	WEAF
Kay, Lambdin	WSB
Keefe, Jack	WSM
Kaney, Sen A. W.	KYW
Knight, Billy	WIL
Konecky, Eugene	WOAW
Junkin, George	KMOX
Lane, Frank	KVOO
Locke, C. B.	WBAP
May, Earl E.	KMA
Malin, Donald	WLS
Markham, G. E.	WGY
McArthur, Peter	WOC
McNamee, Graham	(See footnote)
Nelson, Ted	WMCA
Palmer, Lester	WOAW
Rouse, Gene	WOAW
Randall, Clyde R.	WSMB
Ryan, A. W.	CNRO
Ryan, Quin A.	WGN
Ryan, George S.	KDKA
Reid, Louis	WJZ
Rice, B. M.	WORD
Swanson, Gus	WOAW
Schilling, John T.	WHB
Squires, Eddie	WJAX
Stace, W. C.	WLW
Stoess, W. C.	WLW
Sullivan, Jerry	WQJ
Scroggin, G. G.	KFEQ
Shannon, Spike	KDKA
Thompson, Roy F.	WFBG
Tomy (Chief) C. D.	WCX
Tison, Walter	WGHB
Tyson, E. L.	WWJ
Turner, Hobb	KFKX
Wolfreese, Andy	WOI
Wall, W. C.	WAPI
Wetzell, Maurice	WOOD

(Graham McNamee and George D. Hay, winners of the two previous Gold Cup Awards, have withdrawn from further participation in the cup awards, hence their names appear only for record in the above list. Do not send ballots marked with votes for either of these two announcers, as the votes will not be credited to anyone, but will be thrown out.—Editor's Note.)

A recent morning devotional service from KLDS, Independence, Mo., brought over a thousand cards and letters from listeners.

WHISPERING PIANIST YELLS AT IMITATORS

FEELS FLATTERED; ALSO "BURNED UP," HE SAYS

Art Gillham Calls Attention to Pioneering Efforts—Wants Listeners to Know Who Is Who

NEW YORK.—Art Gillham, the Whispering Pianist of Radio, arrived in New York recently, and brought with him a grievance that he picked up on his recent tour of the South and the Middle West.

"Imitation may be the sincerest form of flattery," says Mr. Gillham. "But when I go into a town and someone tells me that I am imitating the style of so and so, it just burns me up."

Art Gillham has been entertaining Radio audiences with his intimate, confidential, whispering style, since he discovered long ago, while working from the old Drake hotel station WDAP, Chicago, in December 1922, that it was not necessary to shout into the microphone.

Gillham Tells His History

He was the first artist to whisper his songs in such a low voice that those standing in the studio with him could not hear what was being said. He started on his first tour of stations in May, 1923, and to date has broadcast from 208 different stations.

Lambdin Kay, well-known announcer of Station WSB, the Atlanta Journal, first called Art Gillham "The Whispering Pianist" in an article on February 24, 1924. Since then this billing has been used. Mr. Gillham's style has been so successful that it has given rise to many imitators of his style. One artist, Mr. Gillham claims, has even gone so far as to lift word for word the type of conversation Art uses in his introduction.

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Looking Ahead

Romance and the Instinct of a Pair of New York News Whippets leads them into the tangled depths of a Florida jungle where they contend against extreme odds to rescue beauty in distress. This is the story of Big Rabbit by Hugh Fullerton beginning in the next Radio Digest.

Big Double Spread of Pictures Showing Some of the Leading Casts who are presenting the Radio Digest mystery play, "A Step On the Stairs." It will be of interest to note whether or not the faces from these various stations appear as you have pictured them from hearing their voices as play characters. WGY, WOR, WRC, WMAQ, and others will be included. Be sure to see them in the next Radio Digest.

Sharpen Your Pencils and Limber up the Typewriters to write the tenth and concluding chapter that will solve the big mystery of who killed Jeremiah Turner and win part of the $500 prize money offered by Radio Digest. The ninth installment will be published next week. Write the tenth and end the story.

A New Discovery—A New Cause of Interference will be exposed in the next and final "Blooper" article, together with a practical method for controlling it. Get this issue, for it should prove interesting to set owners.

Newsstands Don't Always Have One Left

WHEN YOU WANT

Radio Digest

YOU WANT IT!

BE SURE OF YOUR WEEKLY COPY BY SUBSCRIBING NOW

SEND IN THE BLANK TODAY

Publisher Radio Digest,
510 N. Dearborn St.,
Chicago, Illinois.

Please find enclosed check M. O. for Five Dollars (Six, Foreign) for One Year's Subscription to Radio Digest, Illustrated.

Name .....

Address .....

City..... State.....

Carnegie Tech Will Offer Six-Week Course in Radio

PITTSBURGH.—As a result of the demand that has been developing during the past few years, a course in Radio communication, it is announced, is included in the plans for the summer session this year at the Carnegie Institute of Technology here. The college will give a six weeks' course from June 28 to August 6.

NEILANS FIND SALLY AND MAKE HER MIKE

MARSHALL Neilan and his wife, Blanche Sweet, were looking for Mike when they sauntered into a well-known Los Angeles ballroom six months ago. They sat watching the swirl of dancers sweep past them. Almost at the same moment their eyes lighted on a frolicksome young miss whose blonde curls bobbed riotously on her vivacious head, whose laughing lips and sparkling eyes made her the center of an admiring circle wherever she moved.

"There's Mike," said both Mr. Neilan and Miss Sweet in the same breath.

And "Mike" she is, although she was christened "Chotsie" by her father, the late Judge T. F. Noonan of the New Jersey supreme court. Chotsie had come to Los Angeles on doctor's orders for her health and had no notion of becoming a motion picture star until she met the Neilans. On the other hand the Neilans had a picture called "Mike" and all it lacked was the "Mike." They had intended Mary Pickford for the part but that fell through. Then they saw Chotsie. Chotsie became "Mike" and as a motion picture star she chose the name of Sally O'Neil. And Sally O'Neil is the seventeen-year-old star of the Metro-Goldwyn-Mayer organization shown on the cover of Radio Digest this week. She broadcasts over KNX, Hollywood.

OLIVER LODGE INVENTS "N" SET

NEWS BRIEFS FROM THE BROADCASTERS

NO AIR TIME LOST BY WPG INSTALLING SUPER SET

Dornberger's Replaces Coon-Sanders Orchestra at KYW—WEAN Has American Legion Program

WPG, municipal station of Atlantic City, N. J., is making an installation of a 5,000-watt superstation without interrupting its broadcasting service. No time on the air will be lost in transferring from the old 500-watt equipment to the new.

* *

"The Phantom Violin," the ghostly old master who ever and anon comes to the WGN, Chicago, studio from the land of the shades, was heard there again last week. His identity is being kept secret, and his program usually includes popular favorites as well as classics.

* *

Charles Dornberger's orchestra has taken the place of Coon-Sanders orchestra at the Congress hotel while the latter group of musicians, known for their broadcasts from KYW, goes on its annual tour.

* *

"Around the Town with WDAF" is a new feature added to the Kansas City Star's schedule Saturday nights from 8 to 10 p. m. Central time. The feature is composed of musical pickups from Kansas City's hotels, theaters and dining rooms.

* *

The Rhode Island American Legion official program will be given on Thursday night, April 22, at 7:30 p. m. Eastern time over Station WEAN, Shepard Stores, Providence, R. I. Music and addresses by National Vice Commander R. B. Littlefield, Department Commander J. P. Hartigan and National Executive Committeeman B. W. Wall, will be featured.

* *

How to plant flowers and shrubs about your home this spring is told by WOC, Davenport, every Wednesday evening at 9:00 and Friday at 7:30 p. m. Central time.

* *

Coy, shy Irene Downing, above, is a much applauded pianist and organist who delights the Crosley WLW audience with her ability. Her artistry is a regular feature of the Cincinnati superpower station.

The feature will continue throughout April.

* *

KTNT, the Calliaphone station at Muscatine, Ia., has inaugurated a correspondence club for lonesome men and women of all ages. Excerpts from the letters are read over the air nightly at 9:30 p. m. Central time.

WCAU Entertains British Guiana

PHILADELPHIA.—Georgetown, Demerara, British Guiana, reports successful reception of WCAU, Philadelphia. Besides hearing the Philadelphia station, the listener heard WMBF, Miami, Fla., and relayed WMBF's program to several friends through the Georgetown telephone exchange.

BACH, 91 YEARS OLD, IS HONORED BY WSOE

MILWAUKEE. — When Christopher Bach, Milwaukee's own composer, wrote his three operas and twenty overtures, little did he realize that the time would come when he would sit at the fireplace in his own home and hear selections coming over the air and dedicated to himself on his birthday.

WSOE, the School of Engineering station, here, recently gave a special program in commemoration of the ninety-first birthday of this famous composer. The program featured the music written by Mr. Bach.

A feature of the program was the cello selections by Hugo Bach, a son of the composer, while many of the Bach overtures were played by Pestalozzi's string quartet. Al Nitz, musical director of WSOE, and Katherine Kies Hardtke, pianist, also participated.

A tribute to the composer was paid by F. A. Vaughn, manager of the station, while telegrams from many parts of the country were received congratulating Mr. Bach on his birthday.

FAMOUS ENGLISHMAN CLAIMS NEW RECEIVER CANNOT BLOOP

Device Is Product of Three Years' Laboratory Experiments—Does Not Rely on Tuned Aerial —Circuit Details Are Kept Secret

By A. C. Blackall

LONDON, Eng.—A problem which has completely baffled Radio experts the world over for years past—how to do away with the howler or "blooper"—has been completely solved by Sir Oliver Lodge, the world-famous physicist and Radio pioneer.

Sir Oliver's epoch-making discovery will ensure perfect reception without aerial tuning, and will thus avoid the use of regeneration. It will not add to the cost of new sets, but will mean the alteration of existing receivers.

Sir Oliver has been working on his great invention in secret for nearly three years in his laboratory at Egham, Surrey. Briefly, his discovery consists of a set which cannot be made to bloop.

Eliminates Tuning He Invented

The change by which this result has been brought about is a comparatively small one, but it is not a change that can easily be incorporated in existing receivers, as these sets are relying on a tuned aerial and must howl when there is too much regeneration.

Sir Oliver, who introduced tuning to the world, and thus made Radio communication possible without chaos, has now taken it away again. By dispensing altogether with the tuned aerial he has abolished blooping.

When Sir Oliver filed papers on his new invention he found, as so often happens, that another man had been working along almost precisely the same lines—a Mr. Melinski. He approached Sir Oliver, and the two are now working as partners, with the interesting result that Mr. Melinski has evolved a supplementary patent of great value.

Invention Will Cheapen Receivers

Sir Oliver's great discovery is known as the "N" circuit. The first set made under the new principle is still in course of perfection. All tests have been made on a one tube set.

The invention may not be capable of application to crystal sets. On a one tube set only one control—that of the tuning system—is required. The "effect" which replaces reaction is controlled automatically.

As regeneration, coupled with grid rectification involves a royalty of $3 per tube in England, the elimination of regeneration will lead to cheaper receivers, as the other device can be dispensed with.

The "N" circuit is simple and capable of construction by any fan.

Sir Oliver's definite claim for the invention is that it eliminates regeneration control and makes blooping impossible, but at the same time retains the feedback effect, so that the detector tube works with maximum efficiency.

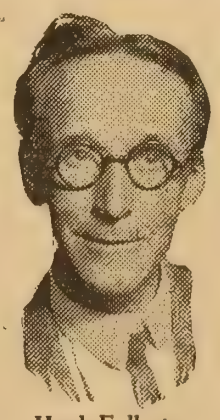
The many tests that have taken place leave no room for doubt that the device for which everybody is in search has been found. The users of the new set must be prepared to make very delicate adjustment, and this may be rather trying.

Sir Oliver states that he will shortly make known the results of his work.

MUZIO'S SOPRANO VOICE IS LIKED

Claudio Muzio is one soprano listeners can tune in without fear. They have heard her many times over the air, the most recent occasion being her appearance over the WEAF chain in an Atwater Kent hour. Her chief work is that of leading soprano for the Chicago Civic Opera company.

It won't be long now, until Lorraine Allen, above, is graduated from the University of Arkansas, for she's a senior. Her talent at the piano of KUOA, Fayetteville, Ark., has earned for her the title of "Queen of the Ivories."



Hugh Fullerton

Hugh Fullerton WRITES "Big Rabbit" FOR RADIO DIGEST

THE Big Rabbit ???????

Hugh Fullerton, famous author, sports expert and magazine writer hits a new and broader stride in a brand new love story with a powerful romantic theme which will begin in next week's Radio Digest.

It's a story of the South, but quite different in treatment than anything ever written before of this land of romance. The Big Rabbit deals with negro fanatical superstition, bringing out tragedy and comedy by turns.

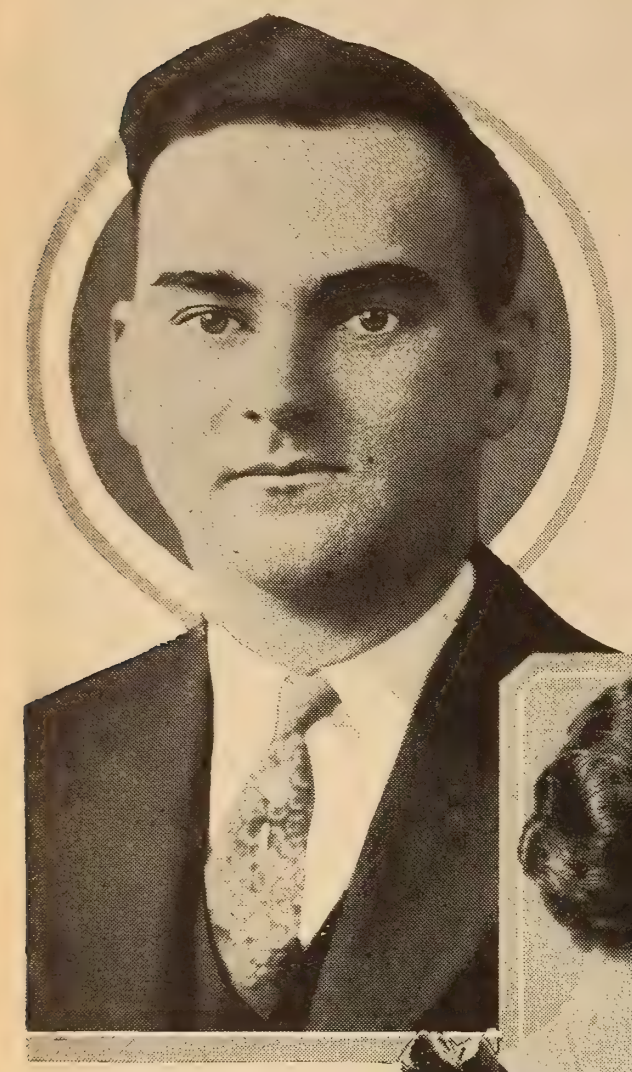
Fullerton shows he understands emotions that rise higher than the shouts of the bleachers. He shows that a New York news hound has the same instincts in a maze of alleys or a Florida jungle and can stick to a trail that seems hopelessly baffling. And with love waiting there as an added incentive——

Imagine the thrills. There's a leap and a jump on every page, with the life of a beautiful Georgia peach in the balance.

Yes, you'll agree that Hugh Fullerton has a place in the purely fiction field when you read this story which will be found only in Radio Digest. Do not miss the opening chapters in the next issue, April 24.

"Welcome to Pensacola," WCOA

"Wonderful City of Advantages" Sends Mayor and City Treasurer to Washington When Other Appeals for Wave Allotment Fail. Public Servant Likes Job—Labors for Love.



"We'll see about that," said Mayor Bayliss (above) as he started for Washington for a wave length. That's why you are able now to hear Anita O. Villar (right) sing over WCOA.

By HAROLD P. BROWN

MR. JOHN E. FRENKEL of Pensacola, Florida, is a public servant who likes his job so well he isn't satisfied with an ordinary day's work. He officiates as city treasurer and city clerk and after office hours conducts the municipal broadcasting station, WCOA, on his own time.

Don McLellan, city editor of the Pensacola News, says he has been trying to catch Mr. Frenkel at a moment of leisure for the past three months and hasn't succeeded yet. The busy man dashes away from his grapefruit and cereal to be at the city hall when the doors open. He buries his nose in the ledgers until noon, then sends out for coffee and sandwiches and between sips and bites, answers questions from a line of waiting citizens, snatching moments here and there to fill out marriage licenses for blushing applicants.

With Pensacola caught on the crest of the Florida boom, there is no end of work keeping up the city records and making official note of the big real estate deals and new subdivision openings. Pensacola is one of the big cities of the state and has been doing its full share to keep the west coast on an even keel with the east coast.

Along in autumn of last year, it was discovered that Pensacola had no voice in the air realms. This was at once considered a matter for grave concern. The city fathers pondered over the matter and sent for literature on broadcasting apparatus. All was set for the purchase of a station in October, when it was found that Secretary Hoover had no available wave lengths to allot. The city commissioners were staggered for the moment, but they did not give up.

The story is well told by Celia Myrover Robinson's magazine, Florida On the Gulf, as follows:

"So Mayor J. Harvey Bayliss and City Clerk John E. Frenkel made a trip to Atlanta, and there met W. Van Nostrand, Jr., supervisor of Radio for the southeastern district, who accompanied them to Washington, where the Florida representatives, Senator Duncan U. Fletcher and Congressman J. H. Smithwick helped them to get in conference with the powers that be. Permission was granted to the city of Pensacola then to install WCOA—one of the finest broadcasting stations in the United States, which three times a week will tell the world about Pensacola, "Wonderful City of Advantages." The magazine itself thrills with the ardor of youth and at the same time breathes a dignity worthy of the oldest city in the United States and continues:

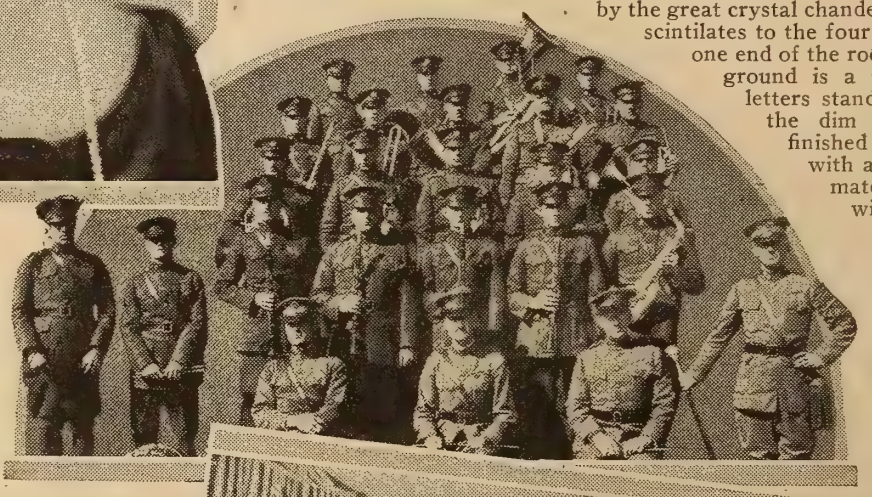
"MONDAYS, Wednesdays and Fridays, if you will listen, you will hear Pensacola calling . . . to tell the world of this wonderful city of opportunities—a city with the largest naval air training school in the world, the only modern fortifications on the Gulf coast, old and historic forts, the purest water in the United States, the biggest red snapper business in the world and the best port in the South.

"It will tell about the advantages of Escambia county, which has had the greatest increase in farms during the past few years of any county in Florida; where one man cleared $2,100 in Satsuma oranges on two and one-half acres of land last fall; where anything in the world may be grown; where the rainfall is plentiful and summer or winter life is a joy."

WCOA took the air during the early part of last February, on a 222 meter wave length. It is well equipped with the very latest improvements and makes the most of its 500 watts power.

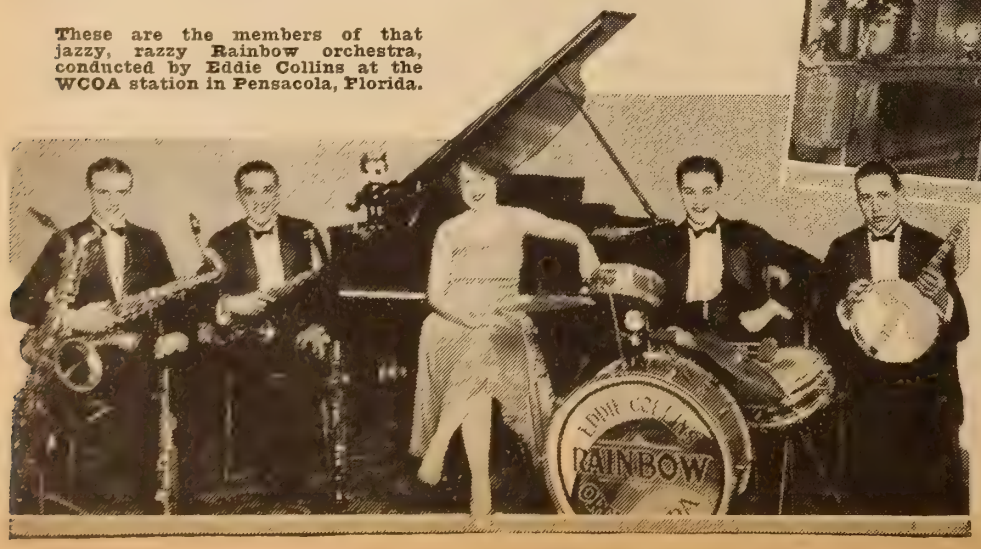
Mr. Frenkel volunteered as public servant to sponsor the station as a city institution. He not only assumed responsibility for its physical well being, but he took charge of the programs. Having a good voice himself, he has not neglected the musical phase of the broadcasting. Others than Mr. Frenkel have taken local pride in their station and volunteered cooperation with talent so that the entertainments have been diversified and universally interesting with never a dull program since the opening.

The studio has been carefully constructed with an eye to the artistic as well as the acoustic. The draperies are of a light gray corduroy velvet, plaited and decorated with fringe and tassels. The ceiling is finished in the style of Louis XVI. This is emphasized by the great crystal chandelier, five tiers deep, which scintilates to the four corners of the room. At one end of the room against the gray background is a plaque with the WCOA letters standing out in clear relief in the dim light. The furniture is finished in burnt-orange and blue with a deep floss rug of blue to match. The piano is a Baldwin Artist Grand.



At left are members of 13th Coast Artillery band heard over WCOA. Below is a corner of studio as it appeared on opening night. In lower corner John E. Frenkel, public servant.

These are the members of that jazzy, razzy Rainbow orchestra, conducted by Eddie Collins at the WCOA station in Pensacola, Florida.



One of the best known musical features of the WCOA station is the 13th Coast Artillery band from Fort Barrancas. It goes on the air from WCOA twice each month. Then, among the regulars, comes Eddie Collins and his Rainbow orchestra. Miss Anita O. Villar is one of the staff artists who has endeared her voice to a very large audience of listeners. (*Continued on page 20*)

WOAW Radiates Brotherhood

OMAHA Station Reaches Out Friendly Hand to All Listeners and Brings Them Together in Air Fraternity. Rev. R. R. Brown Has Radio Congregation Embracing 500,000 Members.

FEW broadcasting stations in the United States are so located that they may be heard regularly from coast to coast. One of these stations, however, is WOAW of Omaha. Even through the heat resistor months the WOAW programs are reported back from both coasts. Thus the fundamental purpose of the establishment of the station is achieved.

Be it known that WOAW is the official mouthpiece of the great faternal order, Woodmen of the World, and is located on that fraternity's skyscraper building in the heart of Omaha.

"Nothing has changed so much in the last few years as the social life of the people," said President William A. Fraser of Texas, as he sat in the WOAW studio revising a speech he had prepared for broadcasting. He is one of those unusual big men who seem to spring up characteristically from the Texas soil. And he has been affectionately titled by his fellow workers "Big Bill Fraser," which seems to please him better than the title of president.

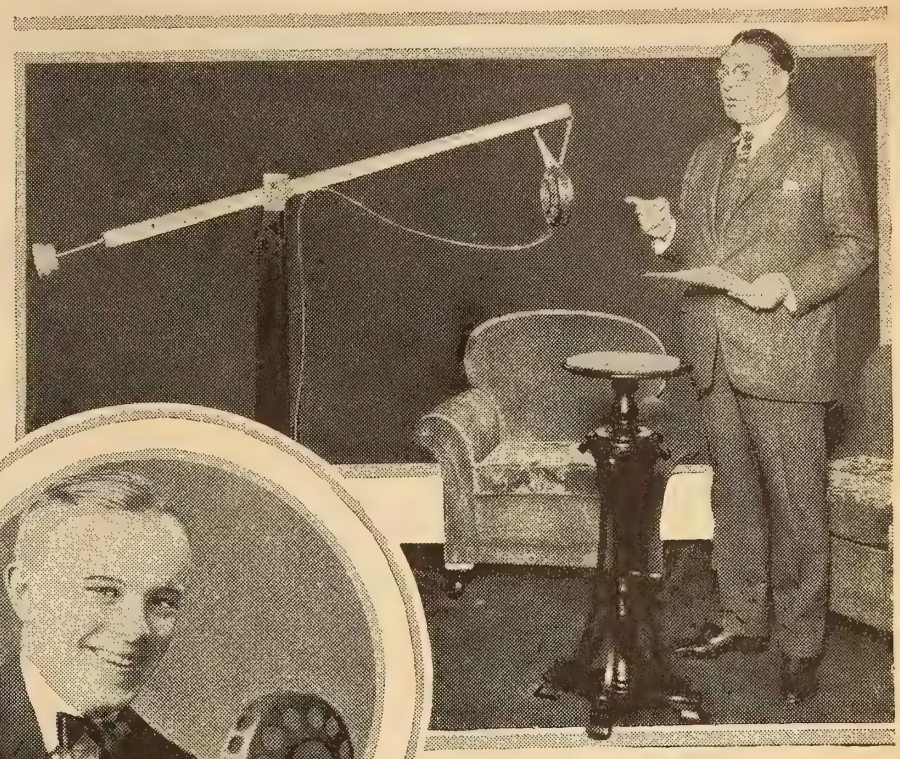
"With our daughters and sisters growing up to become business women," continued Big Bill, "and with the multiplicity of evening attractions including the automobile, movies, supper clubs and dinner dances taking up the hours of leisure, the home lives have been greatly altered. The kitchenette and the family hotel have taken the places of millions of family homes. The old-time neighborliness and community life seemed to be disappearing.

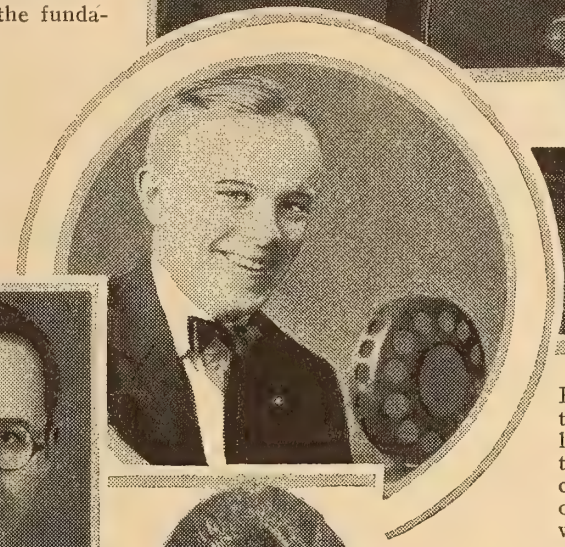
"All this was not conducive to fraternal growth and so we decided we would take our order to the people through the Radio. Through the Radio we find a great uniting force between vast numbers of people. They meet and become acquainted through the medium of the air. They may never actually see each other physically but they hear the voices and they feel a union of interests in many ways. They are experiencing a reawakening of spiritual interest through our religious services. They enjoy the same amusements and have their Radio clubs."

When Donald B. McMillan, the Arctic explorer, was frozen in on his ship the Bowdoin, eleven degrees from the North Pole, about 5,000 miles from Omaha, he sent a Radio message to WOAW saying, "Deeply appreciate your Radio chapel service in behalf of my men shut in near the Pole. Will listen for you again." This was considered one of the very essences of fraternalism through service to fellow men.

Among the feature activities of Radiophone WOAW, are the World Radio Congregation, and the Bible Study Hour. Every Sunday morning, at 9 a. m., Central Standard time, Reverend R. R. Brown, pastor of WOAW's Radio church, conducts a full service program from the studio of WOAW. His listeners are everywhere, of all types, and each of the members of the congregation is presented with a beautiful certificate, engraved, colored, and signed, upon proof of good character and regular Radio receiving of the services. The outstanding fact of the Radio congregation is its interdenominational sect. Reverend Brown is a man selected by Mr. Fraser for his personal integrity and his ability to appear to a varied, cosmopolitan audience. Reverend Brown is one of the most popular preachers in the world. It is impossible to keep account of all the hundreds of gifts which find their way into the studio, from country-fresh eggs to a beautiful new touring car for his trips to rural districts to preach to enthusiastic Radio fans in person.

Mrs. Carl R. Gray conducts the Bible Study hour each Sunday at 6 p. m. She, too, conveys to her listeners, the religious idea. But, not as a preacher, not as a controversialist. Her message is that of the scholar, reflective, calm, interpretative, through research and investigation. Mrs. Gray's lessons are valuable because they bring people back to the original sources, because they go (*Continued on page 20*)

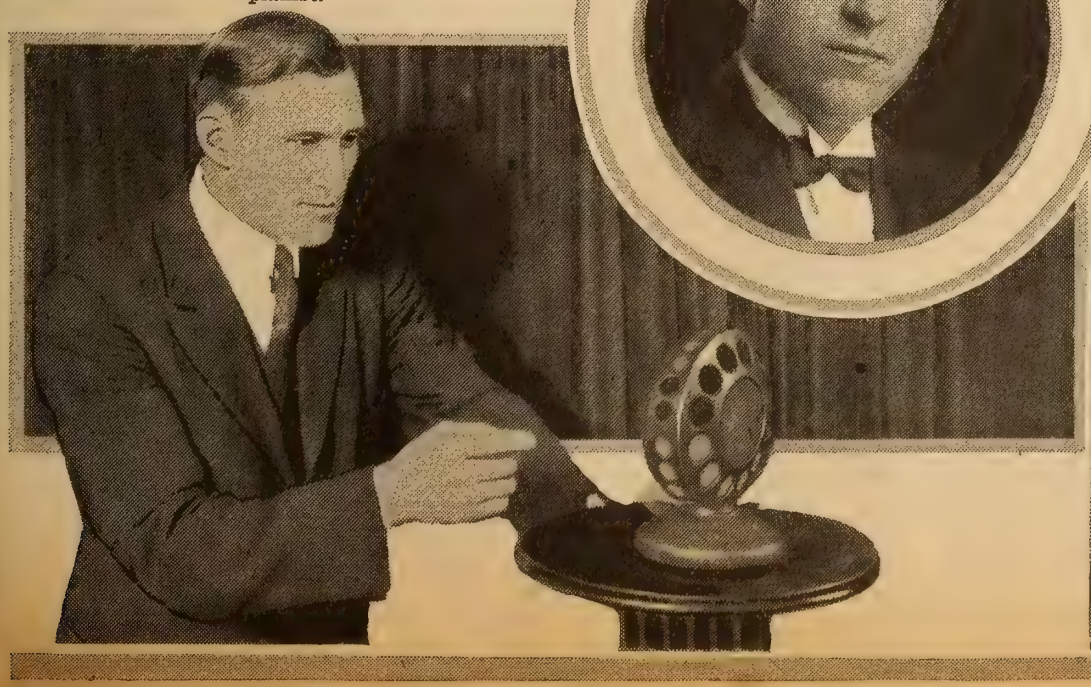




Lester Palmer (right), program and studio director WOAW. Eugene Konecky (below), poet laureate and announcer at this station. Both are known by their initials.

"Big Bill" Fraser, president of Woodmen (top), in speech that was heard from coast to coast. Mrs. Carl R. Gray (left), Bible class leader. Below, home of WOAW.

Rev. R. R. Brown (below) who conducts church and chapel services from the Woodmen Radio station, said to have the largest congregation in the world. Arthur Randall (right) pianist.



MEAT PIES PROVIDE CHEAP, SAVORY DISH

ARE TASTY AND DELICIOUS AND YET ECONOMICAL

Miss Betty Crocker Gives Recipe for Dish That Answers Demands of Diet and Pocketbook

Have you heard, and do you regularly listen for Betty Crocker's Radio talks? Miss Crocker is nationally known as a home food specialist who is broadcasting from a dozen of the country's largest stations. By special arrangement Radio Digest has secured a series of exclusive articles by Miss Crocker dealing with her current Radio talks. These broadcasts are made through WEEI, WEAF, WCAE, WGR, WEAR, WWJ, WDAF, WJAR, WHT, WFI, KSD, KFI, and WCCO, the Gold Medal station at Minneapolis-St. Paul. All of Miss Crocker's recipes and discussions are based upon actual investigations and work of herself and her assistants in model kitchens.—Editor's Note.

By Betty Crocker

ONE reason why meat is such a popular food is because it leaves one with a sure feeling of satisfaction. People who are accustomed to eat considerable meat and are, for some reason or another, deprived of it, are not at all satisfied with other foods. They feel that there is something lacking. There are several reasons for this feeling. First of all, we like the flavor of meat because it is stimulating and appetizing. Furthermore, meat digests more slowly than some other foods. Because of the fact that it remains in the stomach for a longer time, it gives one a comfortable, well fed feeling that is lacking when the diet is made up of foods that do not stay by.

During the war time, we talked a great deal about meat extenders. The idea of a meat extender is to extend or spread the meat flavor so that it flavors other foods and thus satisfies the desire for meat although only a small amount of meat itself is served. Gold Medal meat pie is a good meat extender. It is also a good left over dish in which left over meat may be used. It is an economical dish as it is prepared with a cheap cut of meat and it makes a little bit of meat go a long way.

The mere mention of meat extenders and economical dishes sometimes rather spoils our desire to try those particular dishes. Usually the economical dishes sound uninteresting but that is not always true. Meat pie fills all of these requirements and yet is by no means an uninteresting dish. It is so tasty and delicious that I make it often because I like it and because every one likes to eat it. It is a satisfaction to have a dish you really like to make and serve which will at the same time answer all the demands of the diet and the pocketbook. This is the recipe:

One small onion, 4 stalks celery, 6 tablespoons meat drippings, 2 pounds of beef or veal, a cheap cut, 2 teaspoons salt, ½ teaspoon pepper, 1 cup cooked macaroni (about ½ cup uncooked), 2 cups cooked diced carrots, 2 cups peas, 5 tablespoons Gold Medal flour. A baking powder biscuit dough is made of 2 cups Gold Medal flour, 3 tablespoons shortening, 4 teaspoons baking powder, 1 teaspoon salt, ¾ cup milk.

Method: Dice and brown the onion and celery in 1 tablespoon of meat drippings. Add the meat and sear well. Cover with water. Add salt and pepper and let simmer until tender. Remove meat from liquid and cut in small pieces. Add cooked macroni, carrots and peas. Make a gravy by combining 5 tablespoons of the meat drippings with 5 tablespoons of flour. Mix to a paste and cook well. Add the liquid from the meat and cook 10 minutes. Place the meat and vegetable mixture in a buttered baking dish. Cover with gravy. Make the baking powder biscuit dough, roll out and cut with a biscuit cutter. Place biscuits on top of meat and gravy. Bake 20 minutes in a hot oven, 450°F. This amount will make ten servings.

Some of the fat may be cut from the meat for the drippings, or you may use other meat drippings. If there is very

(Continued on page 17)

WORLD'S GREATEST WOMAN WRITER

At home, Dr. Selma Lagerloef, famous Swedish woman known as the world's foremost woman writer and winner of the Nobel prize, is just the same as any other woman. She is an ardent listener and has several Radio receivers in use at her beautiful home at Vaermland, Sweden.

SHORT WAVES

By Marcella

Ann would know more of her favorite announcer, George Hay of WSM. Is he married? Any family? Or what have you? Speaking from a long acquaintanceship, Ann, I can truthfully say that he is—married. If you are still interested, read on. Family? I think so, but don't know how big. He is a tall, gangling, good-natured philosopher around thirty years old. His hair is dark brown, complexion sallow and his eyes—funny I can't recall the color after having "looked into them wistfully" so often—are greenish-gray, I think. One of the highest tributes I can pay him, exclusive of telling you that he won the Radio Digest Gold Cup Award in 1924, is to say that he is a good newspaper man. He writes as interestingly as he announces, and his little feature stories and sketches always contain that inimitable twang of personality that means George Hay.

* *

Who are "Sam 'n' Henry" ask not less than a score of listeners, who range, I should judge from their letters, all the way from grand old Civil War vets to ultra-modern sheiks and shebas. Marcella knows, 'deed I do, but I'm bound by an awful oath not to give them away. That would spoil the whole act. It's the mystery of their identity that gives you about half the "kick" you get from their programs, and I wouldn't cause you to lose that for the world. No, sirree, especially not after Quin A. Ryan, WGN's smiling director, has threatened to tell the world who I am if I let the "cat out of the bag" about Sam and his "genneman fren." Doan argue wiff de genneman . . . doan argue wiff 'im.

* *

I hereby offer a reward of one sweet cookie to the young or old boy or girl friend who can give me last-minute and definite information concerning the total disappearance of Gene Rouse, ex-WOAW. He is wanted on the air by many good friends, but poor Marcella doesn't know where to begin to start. Come on, Gene, make them quit writing me!

(Continued on page 17)

WOMEN'S PROGRAMS INDEX

Saturday, April 17

Eastern	Central	Mountain	Pacific
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.

WWJ (352.7m-850kc) Tonight's dinner.

11	10	9	8

WEAR (389.4m-770kc) Home service talk.
WHT (399.8m-750kc) Women's club, Jean Sargent.

12 n.	11	10	9

WGN (302.8m-990kc) Household hints.
WQJ (447.5m-670kc) Home Economics program; "Fruit Salads." Character readings.

12:30 p. m.	11:30	10:30	9:30

WGN (302.8m-990kc) Discussion of fashions.

12:35	11:35	10:35	9:35

KYW (535.4m-560kc) Table talk.

1	12 n.	11	10

KGW (491.5m-610kc) Household helps, shopping guide.
KMA (252m-1190kc) Domestic science topics.

5	4 p. m.	3 p. m.	2 p. m.

KMOX (280.2m-1070kc) Housewives' hour.

Monday, April 19

Eastern	Central	Mountain	Pacific
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.

WWJ (352.7m-850kc) Tonight's dinner.

10	9	8	7

WTAG (268m-1120kc) Marjorie Woodman, nurse.

10:50	9:50	8:50	7:50

WMC (499.7m-600kc) Home economics discussion, Miss Kitty.

11	10	9	8

WEAR (389.4m-770kc) Home service talk.
WHT (399.8m-750kc) Women's club, Jean Sargent.

11:30	10:30	9:30	8:30

WTIC (475.9m-630kc) Housewife's forum.

11:45	10:45	9:45	8:45

WCCO (416.4m-720kc) "The Cakes Crowning Glory," Betty Crocker. WDAF (365.6m-880kc), WHT (399.8m-750kc), WJAR (305.9m-980kc) Home service talk, Betty Crocker.

12 n.	11	10	9

WGN (302.8m-990kc) Household hints.
WQJ (447.5m-670kc) Home Economics program. "Tropical Nuts," Maude Jacobs. "Baking," Cleve Carney.
WSWS (275.8m-1090kc), Style shop.

12:30 p. m.	11:30	10:30	9:30

WEBH (370.2m-810kc) Fashion and household talks.

12:35	11:35	10:35	9:35

KYW (535.4m-560kc) Table talk.

1	12 n.	11	10

WSOE (245.8m-1220kc), Ladies' hour.

2:30	1:30 p. m.	12:30 p. m.	11:30

KFNF (263m-1140kc) Mothers' hour.
WGY (379.5m-790kc) Cooking lesson, Jessie Lane. "Preparation of Coffee," Edith Nason.

3	2	1	12 n.

WCCO (416.4m-720kc) Women's hour, Garden Flower society.
WSOE (246m-1220kc) Cooking chats.

4	3	2	1 p. m.

WIP (508.2m-500kc) Market hints for housewives.
WJZ (454.3m-660kc), "Your Daily Menu," Mrs. J. Heath.
WOC (483.6m-620kc) Home management schedule, Aunt Jane.
WQJ (447.5m-670kc) "Educating the Taste of Finicky Folks," Helen Downing. "The Care of the Skin and Hair," Madame Huntingford.

4:15	3:15	2:15	1:15

WJZ (454.3m-660kc) Flower Making Course, Doris Clark.

4:25	3:25	2:25	1:25

WJZ (454.3m-660kc) Shopping service.

5	4	3	2

KMOX (280.2m1070kc), Housewives' hour.
WOI (270.1m-1110kc) "A Sure Supply of Garden Cut Flowers After Midsummer."

5:15	4:15	3:15	2:15

KYW (535.4m-560kc) "Chasing a Pot Roast with a Bow and Arrow," John Cutting.

Eastern	Central	Mountain	Pacific
9 p. m.	8 p. m.	7 p. m.	6 p. m.

WHA (535.4m-560kc), "How Play Educates Children," E. Hoyt.

12:15 a. m.	11:15	10:15	9:15

KGO (361.2m-830kc) "Foods, a Necessary Factor," Dr. W. Lucas.

Tuesday, April 20

Eastern	Central	Mountain	Pacific
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.

WWJ (352.7m-850kc) Tonight's dinner.

10	9	8	7

KDKA (309.1m-970kc) Domestic Science. Arts for the Housewife.
WIP (508.2m-590kc) Menu, Anna Scott.

10:45	9:45	8:45	7:45

WTAG (268m-1120kc) Talks to Mothers, Rosebelle Jacobus.

11	10	9	8

WEAR (389.4m-770kc) Home service talk.
WHT (399.8m-750kc) Women's club, Jean Sargent.
WMCA (340.7m-880kc) Home makers' hour.

11:30	10:30	9:30	8:30

WOI (270m-1110kc) "Use of Family Leisure," Ruth Lindquist. "Canned Goods," Ruetta Blinks.

12 n.	11	10	9

WGN (302.8m-990kc) Household hints.
WQJ (447.5m-670kc) "Millinery — Individual Types," Lillian Russell. "Roses for Every Garden," Josephine Burdette. Pep exercises.

12:30 p. m.	11:30	10:30	9:30

WEBH (370.2m-810kc) Fashion and household talks.

12:45	11:45	10:45	9:45

WSWS (275.8m-1090kc) Beauty talks.

2	1 p. m.	12 n.	11

WGY (379.5m-790kc) Woman's club.

3:15	2:15	1:15 p. m.	12:15 p. m.

WHO (526m-570kc) Recipes, household hints.

4	3	2	1

WIP (508.2m-590kc) Menu talk.
WJZ (454.3m-660kc) "Your Daily Menu," Mrs. J. Heath.
WOC (483.6m-620kc) Home management schedule.
WQJ (447.5m-670kc) "Making Your Old Hat Do," Hesta Carrier. Helen Downing.

4:15	3:15	2:15	1:15

WJZ (454.3m-660kc) "Wall Paper Room by Room," A. Fillebroun.

4:30	3:30	2:30	1:30

WCCO (416.4m-720kc), "Peonies," A Wilkus.
WLIT (394.5m-760kc) Household helps and hints.

5	4	3	2

KMOX (280.2m-1070kc) Housewives' hour.

5:30	4:30	3:30	2:30

KOA (322.4m-930kc) Housewives matinee.

6	5	4	3

KOA (322.4m-930kc) Culinary hints, Clara Hoover.

6:15	5:15	4:15	3:15

KOA (322.4m-930kc) Fashion review, Sally Dee.

7:45	6:45	5:45	4:45

WPG (299.8m-1000kc) Fashion Flashes.

8:30	7:30	6:30	5:30

KGO (361.2m-830kc) As a Woman Thinketh.

Wednesday, April 21

Eastern	Central	Mountain	Pacific
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.

WWJ (352.7m-850kc) Tonight's dinner.

10	9	8	7

WIP (508.2m-590kc) Menu.

10:45	9:45	8:45	7:45

WEAF (491.5m-610kc), WFI (394.5m-760kc) Gold Medal service talk, Betty Crocker.
WTAG (268m-1120kc) Talk to Housewives, Mrs. Lydia Flanders.

11	10	9	8

WHT (399.8m-750kc) Women's club, Jean Sargent.

11:45	10:45	9:45	8:45

WCCO (416.4m-720kc) "Spring Styles in Menus," Betty Crocker.
WDAF (365.6m-820kc) WHT (399.8m-750kc), WJAR (305.9m-980kc) Home service talk, Betty Crocker.

Eastern	Central	Mountain	Pacific
12 noon	11 a. m.	10 a. m.	9 a. m.

WGN (302.8m-990kc) Household hints.
WQJ (447.5m-670kc) Home Economics program, "Why Babies Cry," Lena Sadler; "More About the Pressure Cooker," H. West. "Corrective Diets for Spring Fever," Marie Johnson.

12:10 p. m.	11:10	10:10	9:10

WSWS (275.8m-1090kc), "Counsel for Housewives."

12:30	11:30	10:30	9:30

WEBH (370.2m-810kc) Fashion and household talks.
WGN (302.8m-990kc) Discussion of fashions.
WSUI (483.6m-620kc), "Water Softening in the Home," Ed. Bartow.

12:35	11:35	10:35	9:35

KYW (535.4m-560kc) Table talk.

3	2 p. m.	1 p. m.	12 n.

WCCO (416.4m-720kc) Woman's hour.

4	3	2	1 p. m.

WJZ (454.3m-660kc), "Your Daily Menu," Mrs. J. Heath. Fashion talk.
WLW (422.3m-710kc) Cooking school.
WOC (483.6m-620kc) Home management schedule, Aunt Jane.
WQJ (447.5m-670kc) "How to Make Custards," Helen Downing. "Baking," Jean Rich. "Safeguarding the Child's Education by Means of Insurance," G. Forsberg.

5	4	3	2

KMOX (270.2m-1070kc) Housewives' hour.
KOAC (280.2m-1070kc) Housekeeper's half hour.
WMAQ (447.5m-670kc) Recipes.

6	5	4	3

KGO (361.2m-830kc) "Hints for Housekeeper."

7	6	5	4

KLX (508.2m-590kc) Woman's hour.
KMA (252m-1190kc) Domestic science talk.

8:15	7:15	6:15	5:15

KDKA (309.1m-970kc) Care of Tableware and Kitchen Utensils, F. Rupert.

10:30	9:30	8:30	7:30

KOAC (280.2m-1070kc) "Every Child—How He Keeps His Physical Health," Sarah Prentiss.

10:45	9:45	8:45	7:45

KOAC (280.2m-1070kc) "Possibilities in Last Year's Wardrobe," Lila O'Neale.

Thursday, April 22

Eastern	Central	Mountain	Pacific
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.

WWJ (352.7m-850kc) Tonight's dinner.

10	9	8	7

WIP (508.2m-590kc) Menu talk.

10:45	9:45	8:45	7:45

WTAG (268m-1120kc) Marjorie Woodman, nurse.

10:50	9:50	8:50	7:50

WMC (499.7m-600kc) Home economics discussion, Miss Kitty.

11	10	9	8

WEAF (491.5m-610kc) Talks, cookery lecture.
WEAR (389.4m-770kc) Home service talk.

11:30	10:30	9:30	8:30

WHT (399.4m-750kc) Women's club, Jean Sargent.
WOI (270m-1110kc) "Laundry Equipment," Mirian Rapp. "The Shoe Family."

12 n.	11	10	9

WGN (302.8m-990kc) Household hints.
WQJ (447.5m-670kc) "Ready-to-Serve Meats," Erna Bertrams. "Cooking Talk," Bertha Harris.

12:30 p. m.	11:30	10:30	9:30

WEBH (370.2m-810kc) Household and fashion talks.

12:35	11:35	10:35	9:35

KYW (535.4m-560kc) Table talks.

2	1 p. m.	12 n.	11

WGY (379.5m-790kc) "The School-Girl Goes into Home Economics," Reena Roberts.

4	3	2 p. m.	1 p. m.

WJZ (454.3m-660kc) Your Daily Menu, Mrs. J. Heath.
WOC (483.6m-620kc) Home management schedule, Aunt Jane.
WQJ (447.5m-670kc) "A Yellow and White Luncheon." Helen Downing. "The Style Trend for Summer," Lillian Krauter.

Eastern	Central	Mountain	Pacific
4:15 p. m.	3:15 p. m.	2:15 p. m.	1:15 p. m.

WJZ (454.3m-660kc) "Wall Paper, Room by Room," A. Fillebroun.

4:25	3:25	2:25	1:25

WJZ (454.3m-660kc) "Corned Beef and Cabbage."

4:30	3:30	2:30	1:30

WCCO (416.4m-720kc) "Lengthening the Flower Season in Minnesota."

5	4	3	2

KMOX (280.2m-1070kc) Housewives' hour.
KOAC (280.2m-1070kc) Housekeepers' half hour.

5:30	4:30	3:30	2:30

KOA (322.4m-930kc) Housewives' matinee.
WCCO (416.4m-720kc) Women's club program.

6:15	5:15	4:15	3:15

KOA (322.4m-930kc) Culinary hints, Clara Hoover. Fashion review, Sally Dee.

9	8	7	6

KUOA (299.8m-1000kc) "The Proper Place for Sweets in the Diet," Emma Johnson.

Friday, April 23

Eastern	Central	Mountain	Pacific
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.

WWJ (352.7m-850kc) Tonight's dinner.

10	9	8	7

KDKA (309.1m-970kc) Domestic science and Arts for the Housewife.

10:45	9:45	8:45	7:45

WTAG (268m-1120kc) Food hints, Mildred Thomas.

11	10	9	8

WHT (399.8m-750kc) Women's hour, Jean Sargent.

11:30	10:30	9:30	8:30

KFAB (340.7m-880kc) "The University and the Home."
WTIC (475.9m-630kc) Housewives' forum.
WDAF (365.6m-820kc), WEAR (389.4m-770kc), WJAR (305.9m-980kc), Betty Crocker's Home service talk.

11:45	10:45	9:45	8:45

WCCO (416.4m-720kc) "Gold Medal Dishes Men Like," Betty Crocker.

12 n.	11	10	9

WGN (302.8m-990kc) Household hints.
WQJ (447.5m-670kc) Sunday Dinner Menu, Ted Wilmes.

12:15 p. m.	11:15	10:15	9:15

KYW (535.4m-560kc) Meat talk.

12:30	11:30	10:30	9:30

WEBH (370.2m-810kc) Household and fashion talks.
WGN (302.8m-990kc) Discussion of fashions.

12:35	11:35	10:35	9:35

KYW (535.4m-560kc) Table talk.

1:45	12:45 p. m.	11:45	10:45

WOAW (526m-570kc) Sunshine Sunday dinner menu.

3	2	1 p. m.	12 n.

WCCO (416.4m-720kc) "How I Plant My Seeds."

3:15	2:15	1:15	12:15 p. m.

WHO (526m-570kc) Recipes, household hints.

4	3	2	1

WJZ (454.3m-660kc) "Your Daily Menu," Mrs. J. Heath. "They Are Wearing," Suzanne Brown.
WOC (483.6m-620kc) Home Management, Aunt Jane.
WQJ (447.5m-670kc) Home Economics program. "Dinners for Housecleaning Week," Helen Downing. Electric Refrigeration. "Fifty is the Danger Mark," Catherine Spengler.

4:25	3:25	2:25	1:25

WJZ (454.3m-660kc) "Solving Candy Problems."

4:30	3:30	2:30	1:30

WFAA (475.9m-630kc) Homemakers program.
WMAQ (447.5m-670kc) Foibles of the Moment.

5	4	3	2

KYW (535.4m-560kc) Woman's hour.

5:15	4:15	3:15	2:15

WMAQ (477.5m-670kc)

5:30	4:30	3:30	2:30

KOA (322.4m-930kc) Housewives matinee.

6:15	5:15	4:15	3:15

KOA (322.4m-930kc) Fashion review.

10:30	9:30	8:30	7:30

KWSC (348.6m-860kc) "Color in a Girl's Room." Gladys Gallop.
KMOX (280.2m-1070kc) Housewives' hour.

a STEP On the STAIRS

By ROBERT J. CASEY

Radio Dramatization by FRED SMITH

Illustrations by HILMER C. OLSON

Synopsis of Preceding Chapters

IN THE first four episodes of "A Step On the Stairs," which are now available for 25 cents in a special reprint, we find a group of a dozen members of the Turner family in the hunt-room of the old Turner manse. They are nerve-strained and very jumpy as the result of a number of weird incidents connected with the attempted seance whereby Peleg Turner, the last of the house to die, attempts to speak from beyond the grave through a Radio loud speaker and tell them who killed his brother, Jeremiah. Ardwyn, the lawyer, presides. Mary Williams seems to be involved in most of the strange events, and the finger of suspicion is pointed at her by Aunt Helen, a gabby old widow; Cousin William, companion to Aunt Helen; Hazel Stanton, a girl whose relation to the family does not seem entirely clear, and Henry Graves who offers his protection by marriage. His offer is spurned. In the last episode John Carton, apparently Mary's accepted lover, appears in the room after the others have left for refreshments in another part of the house. Mary had fainted when she thought she felt the corpse of Peleg Turner entering the room through the front door, supposed to be barred except for the passage of the dead bodies of Turners going to their final resting place. Ardwyn left to get her a sedative. Hari Singh, the East Indian servant, unexpectedly becomes an ally of Mary when Carton, who seemed to be hiding from arrest on suspicion of the crime, is about to be trapped by other members of the party. The servant lets Carton out a side door.

Before Hari Singh is able to return, the other guests enter the room and demand an explanation of Mary as to the voice that had been heard in the room. Mary evades the questions briefly, but soon Hari Singh calls for help. He is discovered dragging in the body of a man which he said he had found outside the door in the snow. It is Milford Jones, with a fractured skull. He had disappeared earlier during the seance. While suspicions for the various evil happenings are being cast about, FYX starts up. A number is rendered and FYX stands by for the ship's SOS. Suddenly—Peleg Turner's voice comes out of the loud speaker. He curses Jeremiah's murderer whom he says is in the house and will pay the price 'ere dawn. While pandemonium reigns and Tolliver is talking, the beam of an electric flashlight hits him full in the face. Attempts to locate the owner of the light are vain. A human chain is formed to count heads. Instead of eleven people in the room as it should be, there are thirteen! Tolliver hunts matches beneath the table and is engaged in a struggle. He finds them, places them on the table, and suddenly an unknown voice threatens to shoot to kill at the first flicker of a match. The speaker tells all others to remain quiet and they will not be molested. Then the intruders begin tearing up the brick work around the hearth. Aunt Helen declares there is a corpse on the floor at her feet. Finally Mary Williams obtains a revolver, and from a hiding place, guards the front door exit while Hari Singh announces from without that he is guarding the side door. One intruder, seeking escape, is shot by Mary. The front door swings out from the wall, casing and all. The police arrive and throw a beam of light in the room. All are ordered to hold up their hands. The raid leader calls Henry Graves by the name of "Doggy" French, evidently a known criminal.

THE STORY CONTINUES.

CHAPTER FIFTEEN

The Itinerant Corpse

THE bewildered men and women who ranged against the rear wall of the hunt-room with their hands in the air and their glassy eyes turned full into the searchlight would have been hard put to decide whether this place of horrors was more forbidding in the unplumbed shadows or in fearful brightness such as this. Every face was ghostly in the light that fell upon them through the door whence had been carried the bodies of the dead Turners in their century-old parade to the graveyard. Highlights stood out boldly. But back in the corners the fearsome shadows were still undispersed—a little blacker, perhaps, a little more terrifying than before.

Men were moving in the snow beyond the front door—state troopers in uniform, a city policeman or two, and deliberate, squarely carved men in overcoats who looked as if they might be detectives. Inside the room in the twilight at the edge of the glare moved a trooper captain and a lieutenant. Their interest seemed to be centered on two figures in the foreground—Henry Graves and a roughly dressed stranger who stood beside him.

"Has Mr. Everett come yet?" inquired the captain.

"Coming," boomed a voice from the doorway. "What have we got, so far?" A man in civilian clothing but apparently high in authority slipped into the room.

"Hard to say just what we have got," replied the captain. "There's 'Doggy' French out there in front but I can't tell yet just how many of our customers are victims and how many principals."

"Bring the trouble-light in out of the car," suggested Everett. "It's got thirty feet of wire on it—ought to reach easily."

A trooper carried out the order. He laid the wire close to a corner of the doorway and hung the lamp to a corner of the fireplace and turned it on.

"That'll do," observed Everett cheerfully. "Captain, your men will take the posts assigned to them. Ask the two federal men to step in here and we'll close the door. It's too chilly for any comfort."

In a moment, before the wide-eyed spectators could guess how it had been done, the front door had swung shut once more as if to close out its hideous secrets. Two oaken bars lay across it, incontrovertible evidence that it had never been opened. But from somewhere beneath it wound a green wire, the lamp cord that furnished the battery current for the light on the mantlepiece.

"SEARCH the company for weapons, Captain Phelps," directed Everett. And he stood eyeing the crowd critically as this ceremony was in progress.

"No weapons," the captain reported. "I took the pistols from 'Doggy' and his pal right after we broke in here."

"Good," said Everett. "Put the cuffs on them and we'll take an inventory . . . Ladies and gentlemen you may lower your hands but please remain standing for o moment. . . Lieutenant Cass, would you mind looking under the table and seeing what's going on there. . . Something's moving. . . "

"A man," returned the lieutenant. "He's crawling out under his own steam."

"My head is bloody but unbowed," declared the mystery under the table. "Name's Tolliver—or was before I got soaked on the head. Sorry I wasn't up to welcome the gendarmes."

Tolliver straightened himself, clinging to the edge of the table for support.

"Who hit you?" Everett inquired.

"Some prowler in the dark," Tolliver told him. "I don't know just who. But I won't bother to guess now that you've slipped the irons onto Henry Graves. He'll do on any indictment from arson to murder."

"If I had hit you I'd have killed you, you big-mouthed boob," countered Graves energetically.

"That's enough of that, 'Doggy,'" Everett broke in. "And you, Tolliver, who are you?"

"Everybody asks me that," Tolliver observed cheerfully. "I'm Maurice Tolliver. That's all there is to it. I came here like a sap without any alias. I stayed here the same way while everybody in the place went cuckoo. And somebody hit me on the head. . . By the way. . . This any use to you?"

He held out a white packet which Everett seized quickly with a sudden ejaculation.

"Where did you get that?" he demanded.

"Down on the floor where I was asleep. When I came to the boys were digging something out of the fireplace and setting it to one side. Little boxes with hinged tops. I opened one and those packets were inside. . ."

"Well, Mr. Tolliver," Everett said judicially, "That is a packet of cocaine. It completes our evidence. . . And I think you will agree with me it makes it doubly imperative that we find out what has been going on here."

"AS FOR that you'd better ask Mr. Ardwyn, the gentleman over there near the door. He was in charge of these proceedings until Graves or somebody choked him off."

"We may wait a minute or two until Mr. Ardwyn feels more like himself."

Ardwyn stepped forward unsteadily.

"There is no need for delay," he said. "I am attorney for the Turner estate. I was Peleg Turner's counsel during his life. And I called this meeting tonight as I had been directed to do by my client in my last conference with him. I know very few of these people here but I think that all of them—not excluding Henry Graves there—can be identified readily as Mr. Turner's relatives."

Everett nodded.

"I knew in advance that there was to be such a meeting," he said. "I feel as you do that we should be safe in taking for granted the innocence of every man and woman in this room. But we have to make investigations.

"These troopers are here—I am here—under orders of the federal narcotic bureau of Portsmouth. It has been evident to us for some time that a cocaine smuggling ring has maintained a headquarters near this house, if not in it. We were warned that they intended to move their supply tonight and I suspect that they were handicapped by your seance. At any rate their attempt to call off the coast guard with a fake SOS did not succeed. So much for that. What we should like to know now is just how many of your party were in this room when the doors were locked."

"We started as twelve—not including Hari Singh who probably will be found standing guard with a shot gun just outside the hall door. One of our number disappeared and was found out in front with a broken head. That left eleven of us, but when I attempted to count heads in the dark I found thirteen."

"Funny," replied Everett. "One of the thirteen probably was 'Doggy' French's pal 'Jim.' Then, counting 'Doggy' in his role of Henry Graves as you knew him there ought to be eleven of you standing up there. And I can count only nine."

"You might count me as ten," laughed a voice from somewhere behind the federal operative.

"Mary Williams," ejaculated Ardwyn. "I had forgotten her."

"Where is she?" puzzled Everett.

"HERE I am," taunted Mary. "Help me down."

Whereupon Tolliver discovered her for the first time since the light had turned on.

"Why she's up there on the gun rack," he laughed.

"Just where I was when Henry Graves was looking for me," she announced. "Take this pistol, somebody, and help me down."

Henry Graves went white as he looked at her but he made no comment. The troopers lifted the girl from the rack to the floor and Everett, after an admiring glance, went on with his count.

"Even with this lady accounted for we are two short," he said. "We should muster thirteen including the two prisoners, or eleven without them."

"There's a man unconscious here against the wall," reported Captain Phelps. And as if his words had recalled a forgotten experience Aunt Helen Holmes began to gasp.

"It slipped my mind," she gasped. "I didn't tell you in the excitement an' all. But there was a corpse lying right there at my feet while all this fighting was going on. . . That was the thirteenth guest. . . A corpse. . ."

A sudden hush came over the company. The nerve weary guests felt as if the finding of a mere corpse would prove an anticlimax after the terrors of the night. The policemen, well aware of the character of the men they dealt with, knew that sudden death hovered perpetually over houses in which they rested. Captain Cass and Lieutenant Phelps made a hasty search behind chairs and in darkened corners until a sudden half-cry from Ardwyn drew them to the recess in the wall against which he leaned.

"There is the corpse, gentlemen," he said. "Turn it over in the light. . . what?" His calm voice rose to a sudden hysterical shriek. . .

"It can't be! It can't be!" he repeated dazedly.

"This is the body of Peleg Turner!"

"Here I am," taunted Mary. "Help me doun." Whereupon Tolliver discovered her for the first time since the light had been turned on. "Why she's up there on the gun rack," he laughed.

CHAPTER SIXTEEN

The Step

"ARE you sure that's Peleg Turner?" asked Everett.

"There can't be any doubt of it," declared Ardwyn in an awed whisper. "You don't have to take my word for it. Most of these people here would know. And out there in the hallway is Hari Singh, his servant."

"Hari Singh would be the best witness," decided Everett quietly. "He isn't so likely to be hysterical. And John Carton is out there somewhere. Ask him to come in here."

There was a delay of only a moment while an eternity settled on the shoulders of Frederick Ardwyn and bent him forward, suddenly an old man. Presently the doors opened and Hari Singh, shotgun in hand, stepped across the threshold closely followed by John Carton.

"The Sahib Peleg Turner," he gasped incredulously. "And dead. . ."

"Dead? Yes," snapped Everett. "How did you expect to find him? Alive?"

"Who am I to say who have never tried death?" shrugged Hari Singh. "I shall remember always the Sahib Peleg Turner as alive. And death seems so permanent."

"What about it, John?" inquired Everett of young Carton who stood gazing in horrified fixity at the corpse.

"That is undoubtedly my Uncle Peleg," he said tremulously. "We came too late."

"But how does it come that he is here?" pursued Ardwyn. "How could they have brought him here even if they could have had any purpose in doing it?"

"The front door, Mr. Ardwyn," John Carton told him after a plain struggle with his grief. "Peleg Turner came back into this house the same way he went out of it. . . Through the front door."

"But the door was locked."

"YES. . . Locked and barred. I know all that. But it isn't like other doors. One of the Turners was a Tory spy and he built the thing as an emergency exit. I discovered the secret the night after Uncle Jeremiah was killed. The whole frame swings in or out of the wall on a pivot hinge. The locks don't mean anything. The legend should have kept anybody from attempting to tamper with it. And now poor old Uncle Peleg comes back through it."

"Then the ghouls who did this thing must still be here," declared Ardwyn with sudden fire. "Who did it?"

"Do you recognize any of these people, John?" asked Everett.

"Yes, nearly all of them," replied Carton. "You got two of the worst of them when you put the cuffs on Graves and Jim Teufel. The bulk of the others aren't crooks. . . Hypocrites, perhaps, but not crooks."

"This one on the floor," suddenly interrupted Capt. Cass. "I thought it was Gus Marks. But it isn't. This fellow hasn't any beard."

"No," said Carton as he leaned over the prostrate figure. "That's not Gus.

"Gus is upstairs waiting for the doctor or the coroner. Hari Singh hit him with the butt of a shotgun when he broke out through the front door earlier in the evening. His name at this party was Milford Jones."

Capt. Cass turned the face of the unconscious figure toward the light and aroused a chorus of startled comment.

"I know him, too," observed John Carton. "This is my sanctimonious Cousin William Caryl and far be it from me to express the hope that whoever put him out did a good job of it."

Everett suddenly turned from the prostrate William and raised an ear toward the hall door.

"Who's that coming down the stairs now?" he demanded. "Anybody up there besides Gus Marks?"

FOR perhaps the tenth time since the old mantel clock had announced midnight a blanketing silence fell over the room. And once more came the echo of the step on the stairs. . . A creaking indefinable footstep. . . followed as always by the tapping that slowly spelled out the fateful message—SOS.

"There are no stairs in that end of the house," John Carton announced suddenly. "Those sounds originate right here in this room. . . Has anybody bothered to open that old cupboard at the end?"

The eyes of the company suddenly shifted and a trooper leaped across the room to the great walnut armoire that Carton's words seemed to have conjured out of the shadows.

"Stand back everybody while I open the door," commanded the trooper. "No telling what we may find in here." And he drew his pistol as he gingerly turned the key and threw back the front panel on its creaking hinges.

Out onto the floor dropped a reeling gray bundle.

"A man," breathed Mary Williams.

"The man Millis was telling me about," cried Hari Singh. "The man in the gray overcoat who came from the sea."

"If this is another member of the gang we have him," reported the captain. "He seems to be about half smothered."

"He's not a member of the gang, Capt. Cass," replied Everett. "That's Tommy Mitchell of the Portsmouth narcotic squad. . . How did he get in there?"

"I guess I locked him in," confessed Mary Williams in a thin startled voice. "I guess I locked him in."

How did Mary Williams lock Mitchell, a man, in the cupboard and why? How did Peleg Turner's body get into the hunt-room? Who brought it there? The mysterious happenings are approaching a thrilling climax in next week's installment. Don't miss it.

Roy F. Thompson Is Named To Succeed Walter Greevy

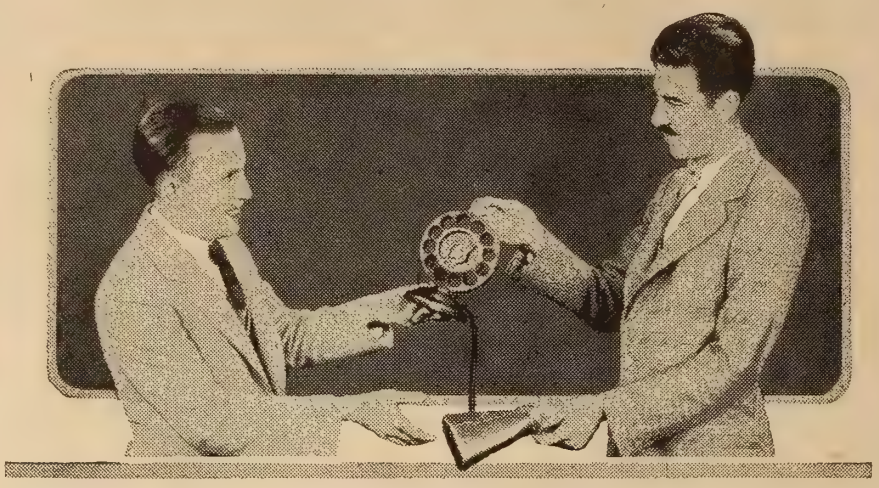
ALTOONA, Pa.—Roy F. Thompson, known to thousands of Radio fans throughout the country as "R. T.," has been named by the directors of the Gable-Tribune Station WFGB, director and general manager of the station as successor to the late Walter S. Greevy. Mr. Greevy was also a director of the National Association of Broadcasters.

Mr. Thompson, prior to his new appointment, was very active in Radio work, not only as chief announcer at the station but he has also appeared on the programs as a vocalist.

Charlie Wellman of KFWB Has New Lingo, Perfected for Microphone Use

Hollywood Announcer Gains Greater Clearness and Is Able to Speak Faster and Remain Distinct Due to His System of Using Only "Mike Words"

CHARLIE Wellman, manager of the Warner Brothers station, KFWB, at Hollywood, is generally conceded to be one of the best and popular announcers in the West. Exceptionally fluent in speech, he is at all times distinctly audible and easily gets rid of 150 words per minute while many others in his line of endeavor struggle with about one-third that number.



Charlie Wellman, left, manager and announcer of KFWB, who has cultivated his "Radio talk," is here swapping his microphone with William Beaudine, famous movie director, for a megaphone.

Mr. Wellman, an enthusiastic and untiring Radio student, does not make any claim to extraordinary culture, but declares his success in announcing is due to a system of his own, the result of keen observation and constant practice.

Everyone acquainted with the rudiments of Radio is aware that certain sounds do not carry as well as others over the air—the soprano voice, for example—also that certain sounds and words are easily and frequently mistaken for others with sometimes laughable and embarrassing results.

Carefully taking these facts into consideration, about one year ago, Mr. Wellman decided to experiment and at last thinks he has the basis for a successful system of announcing for Radio. Like the answer to a conundrum, it is very easy when told, and the plan is so simple it is strange it has never been thought of before.

In speaking before the microphone he uses only three tones of his voice. These three have been selected after long and continual practice as being particularly suited to the mike and of the few tones used that will not blast when spoken, regardless of the volume used. He is also very careful not to employ words that grate or sound harsh over the air.

Called upon frequently for impromptu remarks, as every announcer is, it seemed an almost impossibility at first to arrange his vocabulary so it would stay within these self-imposed rules, but the difficulty was solved by his determination to use in his daily conversation only words that would be suitable should he be talking into the microphone.

When asked a question he would pause deliberately and not answer until he had framed a reply in his mind that was air proof. The result is that when in the studio, no matter what the occasion, by sheer force of habit appropriate words come rolling off his tongue.

In Hollywood he is known as the "Man Who Talks Radio"—and what kind of a language is that?

STATION WDAF SHOWS MUSIC MEMORIES LAG

Less Than Half of Papers Above Fifty Per Cent

KANSAS CITY, Mo.—WDAF, the Kansas City Star's station here, stumbled upon something in a recent program when a music memory contest was presented which developed that almost half of those who wrote in fell below a grade of 50 per cent.

Twelve standard numbers were played by the Radio orchestra. The announcer introduced the selections by number only, inviting listeners to jot down the title, composer and country. Then, if they cared to, they might mail their "examination papers" to the "schoolmarm" at WDAF, who would grade them with a red pencil and return.

$500 in Gold

FOR THE SOLUTION OF

"a Step On the Stairs"

REPRINTS NOW AVAILABLE

SO MANY people are attempting to win part of the $500 in Gold prizes which are being offered for solutions to "A Step On the Stairs," a reprint of the first four installments has been printed and may be had for the nominal charge of twenty-five cents, in coin or stamps, to cover the cost of handling. Address your order to the Mystery Story Editor, care of Radio Digest.

The chosen stations, which are broadcasting "A Step On the Stairs," in Radio play form, are given on page eleven. The days and the hours are listed.

THE PRIZES

The prizes are seventeen in number. First prize is $250; second prize is $100; third to seventeenth prizes inclusive, are $10 each. In the event of a tie for any prize offered, a prize identical in all respects with that tied for will be awarded to each tying contestant.

HOW TO WIN A PRIZE

Nine installments of Mr. Casey's story will be published consecutively each week. The first appeared in the February 27 issue. His tenth and final installment will not appear until the prize winning solutions have been selected by the judges. The solution nearest correct, that is, nearest to unraveling the mystery accurately, will win. The method of preparing the solution—its neatness, legibility, etc.—shall be considered.

RULES OF CONTEST

1. Solutions must be received not later than midnight of Saturday, May 1. The ninth installment of the story will appear in the April 24 issue. The author's intended and final chapter will appear in the May 15 issue, together with the announcement of the winners' names.

2. The contest is open to everyone except employes of Radio Digest and their families.

3. Contestants pay no fee and need not be subscribers to Radio Digest. Solutions, however, must be written upon one side of paper.

4. The decision of the judges, to be named later, will be final.

KWKH TURNS PIRATE AND HIJACKS ZENITH

SHREVEPORT JOINS WJAZ ON CANADIAN WAVE

Issues Defy to Department of Commerce After Petition for Increased Power Is Denied

WASHINGTON.—Fire has broken out in a new place among broadcasters who are dissatisfied with the wave length assigned them by the department of commerce and who have taken the law into their own hands and selected an air channel more to their liking.

According to reports to the department of commerce, Station KWKH, owned by the W. K. Henderson Iron Works and Supply company, at Shreveport, La., has followed the example of WJAZ, owned by E. F. McDonald, Jr., and is operating on 329.5 meters, which is assigned exclusively to Canadian stations.

Both Sides Confident

At the present time there is pending in the Chicago courts a suit against Mr. McDonald for violation of the law in operating on 329.5 meters without authority. The case hinges on the right of the department of commerce to assign wave lengths to stations. A decision is expected on the case within a short time. Legal advisers of the department are confident the case will be won by the government. Mr. McDonald expresses himself as equally confident that the government will lose.

Before it decided to take matters into its own hands, KWKH operated on 261 meters, with around fourteen other stations. Dissatisfied with its channel, KWKH officials applied to the department of commerce for permission to increase its power. The request was denied on the ground that, with higher power, KWKH would drown out the other stations on 261 meters. The inevitable result, according to department of commerce offiicals, would have been that the other stations also would have likewise increased their power in an effort to drown out KWKH.

Await Chicago Decision

No action will be taken on the Shreveport case by the department of commerce until a decision is made on the Chicago case. If the department wins in Chicago, it will almost automatically decide the case against the Shreveport station. On the other hand, if the department loses in Chicago, it may attempt to reopen the subject by fighting the case over again in the Louisiana courts.

Chief Radio Supervisor W. D. Terrell takes a philosophical view of the situation.

"If all the bad actors go ahead and operate on 329.5 meters," said he, "It would solve a big problem for us. We could ask the Canadian government to release that wave length and give them another in exchange for it."

To which all the "bad actors" would then shift, no doubt.

Serious as the situation may appear, department of commerce officials believe it will work itself out satisfactorily. In the event of failure to win in the courts, it is believed that congress will take the attitude that additional legislation is absolutely imperative and pass some kind of Radio bill.

Moose Call and Paper Join Hands at WJJD

Reunite Three Old-Timers of WDAP Fame

CHICAGO.—A local newspaper, the Chicago Evening Post, and the Loyal Order of Moose station, WJJD, recently have effected a cooperative connection which brings three old-time Radio figures back together again.

In the old days of Chicago broadcasting, WDAP, Board of Trade station on the Drake hotel, was a popular favorite and one of the then few stations in the city. Jack Nelson was director, Ralph Shugart was announcer and Paul G. Neal was engineer.

Messrs. Nelson and Shugart became director-announcer and engineer, respectively, of the Moose Station WJJD, when it was built. Mr. Neal recently left Station WGN, formerly WDAP, to become technical editor of the weekly Post Radio section.

So with the newspaper and WJJD joining hands, the three men are once more associated in their work.

Testing Radio Torpedoes

PARIS.—Secret experiments are being made at present in France of an invention by which it is claimed that the flight of air torpedoes can be controlled by Radio.

BROADCAST PROGRAMS IN ADVANCE

Saturday, April 17

Headliners Today

Eastern	Central	Mountain	Pacific
8 p. m.	7 p. m.	6 p. m.	5 p. m.
KFNF (263m-1140kc) Scotch concert.			
8:10	7:10	6:10	5:10
WEEI (348.6m-860kc) Boston Symphony.			
8:30	7:30	6:30	5:30
WGY (379.5m-790kc) Saxophone frolic.			
WHAS (399.8m-750kc) Town club concert.			
WJZ (454.3m-660kc), WGY (379.5m-790kc), WRC (468.5m-640kc), Saxophone concert.			
9	8	7	6
KMOX (280.2m-1070kc) "Seven Ages of Man."			
WLW (422.3m-710kc) Laughing John Meyer's band.			
WOAW (526m-570kc) "A Step On the Stairs," mystery serial.			
9:30	8:30	7:30	6:30
WGN (302.8m-990kc) "The Red Mill."			
WLW (422.3m-710kc) "A Step On the Stairs," mystery serial.			
10	9	8	7
KTHS (374.8m-800kc) Old-time fiddlers.			
10:45	9:45	8:45	7:45
WSB (428.3m-700kc) Red Head club.			
11	10	9	8
WSWS (275.8m-1090kc) Scott and his novelty Hawaiian orchestra.			
11:10	10:10	9:10	8:10
KGO (361.2m-830kc) "The County of Luxembourg," performance.			
12 m.	11	10	9
KYW (535.4m-560kc) Congress Carnival.			
12:15 a. m.	11:45	10:45	9:45
KGO (361.2m-830kc) "A Step On the Stairs," mystery serial.			
2	1 a. m.	12 m.	11
KFI (467m-640kc) Frolic.			

Saturday, silent night for: CNRA, CNRC, CNRE, CNRM, CNRR, CNRT, CNRV, CNRW, KFKU, KFUO, KFXF, KMA, KOAC, KOB, KSAC, KSO, KTAB, KUOA, KWSC, WABQ, WAIU, WBAL, WCAL, WCX, WDOD, WEAO, WEBJ, WEBW, WEMC, WGBF, WGCP, WGHP, WGST, WHAD, WHAZ, WHN, WHO, WIP, WJAR, WKAR, WLIT, WLWL, WMAZ, WOS, WRVA, WTAG, WTIC, WWJ.

Eastern Time Stations

CNRO, Ottawa, Can. (435.8m-688kc), 8 p. m., Chateau Laurier dinner concert orchestra; 9, studio program; old-time favorite ballads, Orpheus singers; Elissa Williamson, soprano; Myrlah Kendall, pianist; Chateau Laurier dance orchestra.

KDKA, Pittsburgh, Pa. (309.1m-970kc), 6:30 p. m., Westinghouse band; 8:30, Westinghouse band; Mary Louise Jeffrey, pianist; Earl Renner, tenor.

WAHG, Richmond Hill, N. Y. (315.6m-954kc), 12 m., novelty program.

WBBR, New York, N. Y. (272.6m-1100kc), 8 p. m., Carl Park, violinist; 8:20, Fred Franz, tenor.

WBZ, Springfield, Mass. (333.1m-900kc), 6:45 p. m., Hotel Kimball dance; 7, Capitol theater orchestra; 7:30, Dr. D. M. Staley, reader; 7:45, Repertory theater concert; 8:15, "Too Many Brothers"; 9:15, Gertrude Cotter, contralto; 9:30, Sylvia Glasser, pianist; 9:45, William Flood, tenor.

WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert, William Penn hotel; 8:15, Youngstown artists.

WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., Goldkette ensemble.

WEAF, New York, N. Y. (491.5m-610kc), 4 p. m.,-12 midnight, Vincent Lopez and his orchestra; special music.

WEAR, Cleveland, Ohio (389.4m-770kc), 7 p. m., Hotel Statler concert orchestra; 12, Wormack's Singing syncopators.

WEEI, Boston, Mass. (348.6m-860kc), 7:10 p. m., Slade's Spice family; 8:10, Boston symphony orchestra; 10, Lucerne-in-Maine quintet.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra; 8, concert from studio; 11, Bellevue Stratford dance orchestra.

WGBS, New York, N. Y. (315.6m-950kc), 6:30 p. m., Vincent Sorey concert trio; 7:30, Arcadia ballroom orchestra; 8:30, Clifford Cheasley, numerology; 8:40, Richard Finley, tenor; Eleanore Reynolds, soprano; 9, Plectra club; 9:30, Park male quartet; 10:30, Arrowhead Inn dance orchestra.

WGHB, Clearwater, Fla. (265.3m-1130kc), 6:30-7:30 p. m., Gray Moss Inn; 8:30-9:30, program; Bill Ewin, L. W. Joy; 11:45-1 a. m., Ramble, Graham Prince and his orchestra.

WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., dinner program, WFRL, WHAM; 8:30, Rudy Wiedoeft, saxophonist; 9:30, WJZ; 10:30, dance.

WHAR, Atlantic City, N. J. (275.1m-1090kc), 8 p. m., Seaside hotel trio.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin hotel concert orchestra; 8:15, special concert, Metropolitan Opera House; 10:05, El Patio dance orchestra; 11:05, organ recital, Germantown theater.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Stormfeltz-Loveley serenaders; 9, Jean Goldkette's serenaders; 10, Jean Goldkette's orchestra; 11:30, Jewett Radio Jesters.

WLIT, Philadelphia, Pa. (394.5m-760kc), 7:30 p. m., Benjamin Franklin concert orchestra.

WMAK, Buffalo, N. Y. (265.3m-1130kc), 6:15 p. m., dinner music; 7:30-8:30, musicale; 8:30-9, Wolff's Furniture House, Inc.; 9-10:30, musicale; 10:30-11, Teddy orchestra.

WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Hotel McAlpin string ensemble; 6:30, Parody orchestra; 8:30, Fourth Annual Food Show; 10, Norman Pearce, reader; 10:30, Creole Follies; 11, Hotel McAlpin orchestra; 12, entertainers.

WNYC, New York, N. Y. (526m-570kc), 7:45 p. m., songs; 8, instrumental program; 8:15, songs; 8:30, songs; 8:45, songs; 9, Harriette Weems, "Shakespeare"; 9:15, Beatrice Anthony, piano; 9:45, songs; 10:15, Mounted Police association.

WOR, Newark, N. J. (405.2m-740kc), 6:30 p. m., Jacques Jacobs' Hotel Shelton orchestra; 7:30, Van's Collegians; 8:15, Joseph M. Barnett, baritone; Copenhagen quartet; 9:15, LaForge-Berumen musicale; 10, Joseph Franko, violinist; 10:30, "A Step On the Stairs"; 11, Leon H. Wood, organ recital.

WPG, Atlantic City, N. J. (299.8m-1000kc), 6:45 p. m., Arthur Brook, organist; 7, Hotel Morton dinner music; 8:15, Million Dollar Pier dance orchestra, Katz and his Kittens; 9, Hotel Ambassador concert orchestra; 10, Nick Nichols' dance orchestra; 11, dance orchestra, Elks home.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Adelphia dance orchestra.

WRC, Washington, D. C. (468.5m-640kc), 7 p. m., Hotel Washington orchestra; 8:25, music; 10:30, Meyer Davis' Swanee syncopators; 11:30-12, Otto F. Beck, organist.

WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., dinner concert, Speed-Wagon serenaders; Gold Standard ensemble; 10-12, special dance program.

WTIC, Hartford, Conn. (475.9m-630kc), 6:50 p. m., Hotel Bond trio; 8:30, Zella S. Nary, contralto; Margaret St. John, soprano; 9, studio program; 10:30, Carroll's Palais Royal dance orchestra.

Central Time Stations

CKY, Winnipeg, Can. (384.4m-780kc), 8:30 p. m., studio program; 9, concert; John Harper and his orchestra; Frank Wright's Country club orchestra.

KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., dinner concert; 8:30-10:30, artists; 12-2 a. m., orchestra entertainment.

KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., Scotch concert, E. S. Dodds, director; 11, old-time music.

Among the unlimited supply of beauties which face the mike of KFWB is Doris Hill, above. She is one of the new players of the Warner Brothers.

KMA, Shenandoah, Iowa (252m-1190kc), 6-7 p. m., popular music; 9-11, pipe organ recital, William Howie.

KMOX, St. Louis, Mo. (280.2m-1070kc), 6 p. m., organ recital, Arthur Utt; 6:30, Mrs. Jacques Landree, organist; 7, East St. Louis Chamber of Commerce musicale; 8, orchestra; "Seven Ages of Man"; Frank Maples, Mary Noble, soloists; 9, Herbert Grosskop, baritone; orchestra; 10, dance music, Colonel 6121.

KOIL, Council Bluffs, Iowa (277.6m-1080kc), 6:35 p. m., McCrory music period; 7:30, Virginia Fair, pianist; 8, Jean Stirling, pianist; 11, Pow-Wow Randall's Royal Fontenelle orchestra.

KPRC, Houston, Tex. (296.9m-1010kc), 7:30 p. m., Bible class; 8:30, Frank Tilton, boy pianist; 10:30, Harold Oxley's orchestra.

KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., Grand Central theater; 8:30, Blanch McGregor, contralto.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9-10 p. m., Old-Time fiddlers; 10-10:30, New Arlington hotel orchestra.

KYW, Chicago, Ill. (535.4m-560kc), 6-6:15 p. m., KDKA; 6:30-7, Congress hotel orchestra; 7:30-9, home-lovers' hour; 9-10, Congress hotel; 11-12, Congress carnival.

WADC, Akron, Ohio (258.5m-1160kc), 6:30 p. m., Hotel Portage quintet.

WAMD, Minneapolis, Minn. (243.8m-1230kc), 7:05 p. m., Hartman twins, Frank and Ernest; 7:10, popular program, Harmony twins, Fred Roble, Bob Melcher; Bluebirds orchestra.

WBAP, Fort Worth, Tex. (475.9m-630kc), 6-6:30 p. m., dinner music; 9, Hired Hand little symphony.

WBBM, Chicago, Ill. (225.4m-1330kc), 8-2 a. m., Alemite orchestra; old-fashioned songs; Barber shop quartet; Two Jays; Charlie Garland; Ariston trio; war songs.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6:15 p. m., dinner concert, Wesley Barlow's Nicollete hotel orchestra; 8:15, musical program; 10:05, dance program, Emmet Long's Golden Pheasant orchestra.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., School of the Air; organ music; Trianon ensemble; 8-10, Around the Town with WDAF, popular music; 11:45-1 a. m., Nighthawk frolic.

WEBH, Chicago, Ill. (370.2m-810kc), 7-8 p. m., Oriole orchestra; Sunday school lesson; string trio; Howard Neumiller, pianist; 9-9:15, news; 9:15-10, Oriole orchestra; James Murray, tenor; Kay Ronayne; marimba band; 11, Oriole orchestra; 12, James Murray, tenor; 1 a. m., Frank Greif, songs; 2, trombone duo.

WENR, Chicago, Ill. (265.3m-1130kc), 6-7 p. m., Rauland lyric trio; 9-10, All-American Pioneers; 12-2 a. m., frolic.

WFAA, Dallas, Tex. (475.9m-630kc), 6:30-7:30 p. m., Jimmie Joy's orchestra; 8:30-9:30, Woodmen of the World program; 11-12, Jack Gardner's orchestra.

WGN, Chicago, Ill. (302.8m-990kc), 6:55-7 p. m., Drake concert ensemble, Blackstone string quintet; 8-8:10, Auld Sandy; 8:10-8:30, Drake concert ensemble, Blackstone string quintet; 8:30-9:30, "Red Mill"; 9:30-10, old-time prize fight; 10, Sam 'n' Henry; 10:10, old-time favorites; 10:20, play shop; 10:40-11, studio ensemble.

WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., concert, Town club, Louisville Conservatory of Music.

WHT, Chicago, Ill. (399.8m-750kc), 6 p. m., Al Carney, organist; 6:50-7:45, Rayner Dalheim orchestra; (238m-1260kc), 7:45-9:15, musical features, Cinderella cafe orchestra; (399.8m-750kc), 9:30, Kitchen Klenzer program; 9:50, popular; 10:30, Cinderella cafe orchestra; 12, Your Hour league, Pat Barnes and Al Carney.

WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., dinner concert; Maria Fay, soprano; Hazel McBroom, contralto; Christopher Hendra, tenor; string trio.

WJAZ, Chicago, Ill. (322.4m-930kc), 9-2 a. m., dance program, Opera club.

WJJD, Mooseheart, Ill. (370.2m-810kc), 5:30-7 p. m., dinner hour; 8-9, Palmer House Victorians; 10-11, Palmer House Victorians; 12-1 a. m., Palmer House Victorians; Jack Nelson.

WKAF, Milwaukee, Wis. (260.7m-1150kc), 8:30-9:45 p. m., Hi Coleman's orchestra.

WKRC, Cincinnati, Ohio (422.3m-710kc), 10 p. m., Ace Brigode and his Virginians; 10:30, studio features; 11, Sam Jones, mouth harp soloist, guitarist; 11:15, Ace Brigode and his Virginians.

WLIB, Chicago, Ill. (302.8m-990kc), 7:30-8 p. m., musical program; 11-11:20, Correll and Gosden; 11:20-12:30 a. m., studio ensemble, dance music, harmony duos.

WLS, Chicago, Ill. (344.6m-870kc), 7 p. m., Ford and Glenn; 7:30, Ralph Emerson, organist; 8-12 midnight, national barn dance, twin wheeze; Maurice Sherman's College Inn orchestra.

WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., organ recital, Johanna Grosse; 7:30, Secretary Hawkins Radio club; 8, Laughing John Meyer's band; 8:30, "A Step On the Stairs"; 9, Castle Farm dance orchestra.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., theater organ; 6:30, Sheetz's Hotel La Salle orchestra; Chicago theater Radio revue.

WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon ensemble; Edwin House, baritone; Franklin Kidd, tenor; 9-11, Trianon orchestra; Woodlawn theater orchestra; ensemble; Willie Horowitz, Jimmy Eggert, Andy Anderson.

WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Memphis Plectrum orchestra.

WOAW, Omaha, Nebr. (526m-570kc), 6:15 p. m., Herb Feierman and his orchestra; 8, "A Step On the Stairs"; 9, de luxe; 10:30, Frank Hodek and his Nightingale orchestra.

WOC, Davenport, Iowa (483.6m-620kc), 9-10 p. m., Davenport Industrial commission; 11-12, LeClaire hotel orchestra; Peter MacArthur, Scotch baritone.

WOK, Chicago, Ill. (217.3m-1380kc), 10-1 a. m., Tearney's Town Club orchestra; Carl Lorraine's Pershing Palace orchestra; Midway orchestra; Capitol theater program; 1-2, frolic.

WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9-10 p. m., quartet; Henry Rose, Simon Walters, Jack Bos, Bill Dice; violin soloist; 10-12, Roy Clark, P. Jeffery, Harold DeWindt, Bill Dallavo and his orchestra.

WORD, Batavia, Ill. (275.1m-1090kc), 7 p. m., Webster hotel concert; 9, studio program.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Gardens orchestra; quartet; 10-3 a. m., Skylarks; Rose Vanderbosch, soprano; Clarence Theders, tenor; Joe Warner, character songs; Oxford Girls; Rita McFawn, Mary Bieber, harmony duo; West Brothers; Gail Bandell, Radio Sunshine Girl; Melodians.

WSOE, Milwaukee, Wis. (245.8m-1220kc), 8:30 p. m., uniform Sunday school lesson; 9, Nick Blumenberg, violinist; Emil Cords, pianist; E. Erving, baritone; Al Nitz, tenor; Pauline Volz, soprano.

WRR, Dalas, Tex. (245.8m-1230kc), 6-7 p. m., dinner hour orchestra; 8-9, Cecilian music club; 12-1, organ recital.

WSAI, Cincinnati, Ohio (325.9m-920kc), 7 p. m., chimes; 7:15, WEAF; 8:15, Bicycle Playing Card sextet; 12, Freda Sanker's orchestra.

WSM, Nashville, Tenn. (282.8m-1060kc), 6:30 p. m., Francis Craig's concert orchestra; 8, barn dance program, features.

WSUI, Iowa City, Iowa (483.6m-620kc), 7:30 p. m., Mrs. Mildred B. Paddock, artists.

WSWS, Chicago, Ill. (275.8m-1090kc), 6 p. m., Chicago serenaders, mixed quartet; Helen Elliott, soprano; James de Young, tenor; 8, Samovar orchestra; Jean Duncan, contralto; Ruth Burnell, pianist; Hugh Aspinwall, reader and tenor; 10, Scott and his Novelty Hawaiian orchestra; Zola Haynes, pianist; Oxford girls, harmony; Jack Ford, uke soloist; ballads, John Clark; Samovar orchestra; 12, Samovar orchestra; Majorie Lee, pianist.

Mountain Time Stations

KFWA, Ogden, Utah (260.7m-1150kc), 9-10 p. m., Olie Reeves and his dance orchestra; 10-11, music, Paramount theater; 11-12 midnight, Olie Reeves and his dance orchestra.

KFXF, Colorado Springs, Colo. (249.9m-1200kc) 9 p. m., Russ Kemp's dance orchestra.

KOA, Denver, Colo. (322.4m-930kc), 9 p. m., Harmony Peerless orchestra; 10:30, Scheuerman's Colorado orchestra.

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-640kc), 7-8 p. m., dance music; 8-9, classic hour; 9-10, varied program; 10-11, Packard Radio club; 11-3 a. m., KFI midnight frolic.

KFOA, Seattle, Wash. (454.3m-660kc), 7-8 p. m., musical program; 8:15-9:30, Pacific N. W. program; 9:30-11, Jackie Souder's Club Lido Serenaders.

KFON, Long Beach, Calif. (232.4m-1280kc), 7-7:30 p. m., studio program; 7:30-9, Long Beach Municipal band; 9-11, KFON artists' frolic, Helene Smith, Ericson Sisters; 11-12, State theater organ.

KFWB, Hollywood, Calif. (252m-1190kc), 6:30-7:30 p. m., Pontiac Six dinner hour music; 8-9, Electromae; 9-10, studio program; 10-11, Warner Brothers frolic.

KGO, Oakland, Calif. (361.2m-830kc), 8:10 p. m., "The Count of Luxembourg," opera in two acts; 9:45, "A Step On the Stairs," mystery serial, eighth episode; 10-12, dance music, Madson's Midshipmen.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., Olds, Wortman and King company; 10-12, Indian grill.

KHJ, Los Angeles, Calif. (405.2m-740kc), 8-10 p. m., Tower studio feature program.

High Lights of the Air

THE TABLOID operetta scheduled by the WGN production company for Saturday evening is Friml's famous musical comedy "The Red Mill." The curtain rises at 8:30 p. m. Central time. Before the microphone will be gathered June Lacey, soprano; Kathleen Ryan, contralto; Frederick Wood, Gilbert Ford, tenors; Bryce Talbot, baritone; and Mark Love, director and bass. In the background will be the WGN studio ensemble.

"Babbit" and "Mainstreet" are two books which have become associated with midwest American life. The author of these famous novels will talk and answer questions at WHB, Sunday night. Another interesting event of the evening is the Radio debut of the Baltimore Symphony orchestra at WBAL. The concert features national prize-winning compositions of Baltimore composers.

Madame Valentina Tumanskaya, a Russian prima donna teaching music in Memphis, has arranged a classical program to be given Monday evening at WMC. This musicale will be welcomed by fans who enjoyed Madame Tumanskaya's singing several weeks ago. Monday is a legal holiday in Massachusetts because on this date 151 years ago Paul Revere made his significant ride. WTIC will celebrate Patriotic Day with national music.

Humor mingles with pathos in the famous balcony scene of Cyrano de Bergerac. On Tuesday evening at 9:30 p. m. Central time Carol Lynn and Dewight Hensen will give this scene at WIP.

A dulcimer made in England in 1784 will be presented during the Wednesday program of WOS, Jefferson City. Miles Carpenter to whom this quaint old-fashioned instrument belongs plays it with skill.

Gaelic music will be presented at KDKA this week during the Thursday half-hour with famous composers. The KDKA Little symphony orchestra will play this interesting folk music under the direction of Victor Saudek.

See Florida from a new angle Friday. Follow the flights of Lieutenant George Pond across this state and learn if possible before buying which parts of Florida are the best for investment. He talks at WEBJ.

WGN TO GIVE OPERETTA "RED MILL"

Saturday, April 17

KJR, Seattle, Wash. (384.4m-780kc), 8:30-10 p. m., Warner company studio program, artists.
KMTR, Hollywood, Calif. (238m-1260kc), 6-7 p. m., Starr Piano company studio; 8-10, KMTR concert orchestra.
KNX, Hollywood, Calif. (336.9m-890kc), 6:30-7 p. m., Atwater Kent concert orchestra; 7:30-8, popular program; 8-9, program, John A. Vaughn corporation; 9-10, W. W. Rainey organization; 10-11, Ambassador hotel dance orchestra; 11-2 a. m., Hollywood night.
KPO, San Francisco, Calif. (428.3m-700kc), 8-11 p. m., Fairmont hotel dance orchestra; Maurice Gunsky, tenor; Merton Bories, pianist; 11-12, Henry Halstead's orchestra.
KPSN, Pasadena, Calif. (315.6m-950kc), 8-9 p. m., Star-News concert hour; 9-10, dance orchestra.

Sunday, April 18

Headliners Today

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.

WEAF (491.5m-610kc) "Merchant of Venice."
7 6 5 4
WLIB (302.8m-990kc) Non-Professional period.
8 7 6 5
WGST (270.1m-1110kc) Special operatic program.
8:30 7:30 6:30 5:30
WBAL (245.8m-1220kc) Boston Symphony.
9 8 7 6
WBZ (333.1m-900kc) Spalding sextet.
WHB (365.6m-820kc) Sinclair Lewis.
9:15 8:15 7:15 6:15
WEAF (491.5m-610kc), WEEI, WCAP, WFI, WJAR, WGR, WCAE, WSAI, WWJ, WOC, WCCO, WGN, WEAR, KSD, WTAG, Atwater Kent program.
10:30 9:30 8:30 7:30
KFI (467m-640kc) Jim, Jack and Jean trio.
KPRC (296.9m-1010kc) Paramount Five.
WAMD (243.8m-1230kc) Gould Banjo club.
11 10 9 8
KHJ (405.2m-740kc) Artland club.
12 m. 11 10 9
KGW (491.5m-610kc) Symphony orchestra.

Sunday, silent night for: CFAC, CHIC, CKAC, CKNC, CNRA, CNRC, CNRE, CNRM, CNRO, CNRR, CNRT, CNRV, CNRW, KFAB, KFAU, KFOA, KFWA, KFXF, KLX, KMA, KMTR, KOAC, KOB, KOWW, KSAC, KSO, KWSC, WABQ, WAHG, WAIU, WCAU, WDAF, WEAO, WEBJ, WEBW, WFI, WGBF, WGHB, WGHP, WHAS, WHAZ, WIP, WJAZ, WJJD, WJR, WKAF, WKAR, WMAQ, WMAZ, WMC, WNYC, WOI, WOOD, WRC, WRVA, WSB, WSM, WTAM.

Eastern Time Stations

CHIC, Toronto, Can. (356.9m-840kc), 5 p. m., organ recital, Central Technical school; George Graham, organist.
KDKA, Pittsburgh, Pa. (309.1m-970kc), 11 a. m., service; 4 p. m., Dr. Charles Heinroth, organist; 4:45, vesper; 6:30, dinner concert; 7:15, chimes; 7:45, church service.
WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., WBAL concert orchestra; 8:30-10:30, Baltimore Symphony orchestra; Hilda Hopkins Burke, soprano; Amy Neill, violinist; Castelle vocal ensemble.
WBBR, New York, N. Y. (272.6m-1100kc), 10 a. m., Watchtower instrumental trio; 10:35, Fred Twaroschk, tenor; I. B. S. A. choral singers; 2 p. m., Watchtower orchestra; Fred Twaroschk, tenor; 9, Watchtower violin choir.
WBZ, Springfield, Mass. (333.1m-900kc), 10:45 a. m., Church of the Unity; 6 p. m., Golden Rule hour, Ary Dulfer, violinist; Alexander Blackman, violist; George Brown, cellist; Hans Ebell, pianist; 7, Copley Plaza orchestra; 8, Unity quartet; 9, Spalding sextet.
WCAE, Pittsburgh, Pa. (461.3m-650kc), 4 p. m., WEAF; 6:30, dinner concert, William Penn hotel; 7:20, WEAF; 9:15, WEAF.
WCAP, Washington, D. C. (468.5m-640kc), 11 a. m., Ephiphany Episcopal church; 4 p. m., Bethlehem chapel, 7:20-9:15, WEAF; 9:15-10:15, WEAF.
WCAU, Philadelphia, Pa. (277.6m-1080kc), 11 a. m., First Unitarian church; 5, recital; 5:15, Undenominational church services; 5:25, talk, Rev. John W. Stockwell; 6:15, Clarence Seaman and his Penna. hotel orchestra; 7:15, Cathay concert orchestra; 8:30, Bonwit Teller ensemble; 9, Lester-North hour of music; 10, Ten Californians.
WCX, Detroit, Mich. (516.9m-580kc), 7:15 p. m., Central Methodist Episcopal church.
WEAF, New York, N. Y. (491.5m-610kc), 2-3 p. m., Sunday Radio service; 3-4, young people's conference; 4-7:30, men's conference; 5:30-6, music; 6-7:20, Shakespearean hour; 7:20-9:15, Capitol theater; 9:15-10:15, Atwater Kent hour, Schola Cantorum.
WEAR, Cleveland, Ohio (389.4m-770kc), 7 p. m., Lowe's theater orchestra; 7:45, Fireside hour; 8:30, Vincent Percy, organist; 9:15, WEAF.
WEEI, Boston, Mass. (348.6m-860kc), 10:50 a. m., Old South Church, Copley Square; 2 p. m., Sager's Hour of Hospitality; 3, Chamber of Commerce organ recital; 5:30, Ecker concert group; 6, Jordan Marsh company's Sparkling Diamonds; 7:20, WEAF; 9:15, WEAF.
WFI, Philadelphia, Pa. (394.5m-760kc), 4:30 p. m., chapel services.
WGR, Buffalo, N. Y. (319m-940kc), 10:45 a. m., Westminster church service; 6 p. m., Shakespearean hour; 7:45, Central Presbyterian church service; 9:15, WEAF.
WGY, Schenectady, N. Y. (379.5m-790kc), 10:30 a. m., First Presbyterian church; 3 p. m., Syracuse, WFBL; 4:30, Elmer A. Tidermarsh, organist; 7:45, First Presbyterian church; 9, WJZ; 10, WJZ.
WHAR, Atlantic City, N. J. (275.1m-1090kc), 10:45 a. m., Chelsea Baptist church; 2:15 p. m., sacred recital, Seaside hotel trio; 7:50, Chelsea Baptist church; 9, an hour with the classics, Seaside hotel ensemble, soloists.
WHN, New York, N. Y. (361.2m-830kc), 7:30 p. m., Calvary evening services; 10:15, Anatol Friedland; 10:45-11:15, Janssen's Hofbrau orchestra; 12-12:30 a. m., Sophie Tucker's playground.
WIP, Philadelphia, Pa. (508.2m-590kc), 10:45 a. m., services, Holy Trinity church; 4 p. m., Germantown Gospel mission.
WJR, Pontiac, Mich. (516.9m-580kc), 10:30 a. m., First Baptist church.
WLIT, Philadelphia, Pa. (394.5m-760kc), 2 p. m., Arcadia cafe concert orchestra; 3:30, Christian Science lecture; 6:30, organ recital; 7, Benjamin Franklin hotel concert orchestra; 7:30, debate on military training.
WMAK, Buffalo, N. Y. (265.3m-1130kc), 10:25 a. m., First Presbyterian church; 7:30 p. m., Churchill tabernacle.
WMCA, New York, N. Y. (340.7m-880kc), 7 p. m., Hotel McAlpin orchestra; 7:30, string ensemble; 8, Mayolians; 9, Parody orchestra; 10:30, Twin Oaks orchestra.
WOO, Philadelphia, Pa. (508.2m-590kc), 6 p. m., organ recital; 7:30, Bethany Presbyterian church; 9:15, WEAF.
WPG, Atlantic City, N. J. (299.8m-1000kc), 3:15 p. m., organ recital, Arthur Brook; 4:15, community vocal and instrumental recital; William Stansfield, organist; 9:15, Hotel Traymore concert orchestra; 10, organ recital, Arthur Brook; quartet.
WREO, Lansing, Mich. (285.5m-1050kc), 10 a. m., chimes, Plymouth Congregational church; 10:30, First Baptist church; Mrs. Henry Chambers, organist; 7 p. m., Central M. E. church; W. James Tillitson, organist.
WTAG, Worcester, Mass. (268m-1120kc), 7:20-9:15 p. m., WEAF; 9:15-10:15, WEAF.
WTIC, Hartford, Conn. (475.9m-630kc), 5 p. m., Prof. Bozyan, organist.
WWJ, Detroit, Mich. (352.7m-850kc), 7:20 p. m., WEAF; 9:15, WEAF.

Central Time Stations

CKY, Winnipeg, Can. (384.4m-780kc), 7 p. m., All Saints Anglican church; 8:45, First Baptist church concert.
KFAB, Lincoln, Nebr. (340.7m-880kc), 4-5 p. m., vesper service; 9-11, Sunday evening musicale.
KFMX, Northfield, Minn. (336.9m-890kc), 7-8 p. m., vespers.
KFNF, Shenandoah, Iowa (263m-1140kc), 10:45 a. m., First M. E. church; 2:30 p. m., song service; 3, Men's Gospel team; 6:30, Golden Rule circle; 7:30, Christian church service.
KFRU, Columbia, Mo. (499.7m-600kc), 7:30 a. m., sunrise service; 9:30, Burrall Bible class; 7:30 p. m., Columbia Baptist church.
KMA, Shenandoah, Iowa (252m-1190kc), 12:15-1:15 p. m., sacred songs service; 4, church choir music.
KMOX, St. Louis, Mo. (280.2m-1070kc), 9 p. m., popular entertainment, Skouras Brothers' Sunday night club.
KOIL, Council Bluffs, Iowa (277.6m-1080kc), 11 a. m., First Congregational church; 4 p. m., Clyde Whitney; 7:30, Monday musical club; 11, Hotsy Totsy hour.
KPRC, Houston, Tex. (296.9m-1010kc), 9:50 a. m., Trinity Lutheran church; 8 p. m., Trinity Lutheran church; 9:30, Paramount Five, male quartet, thirty feet of Texas harmony; 11, Texan theater pipe organ concert, J. Benson Carlisle.
KSD, St. Louis, Mo. (545.1m-550kc), 6:15 p. m., WEAF; 8:15, WEAF.
KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 11-12:15 p. m., First Presbyterian church; 9-9:50, New Arlington Hotel Meyer Davis grand ensemble; 9:50-10, Phantom voice; 10-11:30, Arkansas Traveler.
KYW, Chicago, Ill. (535.4m-560kc), 11 a. m., Central church; 2:30 p. m., chapel service; 4:30, matinee; 7, Chicago Sunday Evening club, Dr. Bernard Iddings Bell; 9:30-11, classical concert.
WADC, Akron, Ohio (258.5m-1160kc), 6:30 p. m., Hotel Portage quintet.
WAMD, Minneapolis, Minn. (243.8m-1230kc), 10:30 a. m., First Unitarian church; 6:15 p. m., dinner concert, stringed orchestra; 6:45, Faust Stock company; 9:30, Gould banjo club.
WBAP, Fort Worth, Tex. (475.9m-630kc), 11 a. m., First Presbyterian church; 5-6 p. m., Hollis, Oklahoma male quartet; 9:30-11, Texas hotel orchestra.
WBBM, Chicago, Ill. (225.4m-1330kc), 12:30-2 p. m., music; 4-6, Sunday matinee; 8-10, Alemite orchestra; Pauline Stiffler Atlass, violinist; 12-2 a. m., Nutty club.
WCBD, Zion, Ill. (344.6m-870kc), 8 p. m., Zion choir; male quartet, mixed quartet.
WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 10:50 a. m., Westminster Presbyterian church; 3 p. m., Bible study; 4:10, House of Hope Presbyterian church; 6:20, Second Church of Christ, Scientist; 8:15, WEAF.
WDAF, Kansas City, Mo. (365.6m-820kc), 3-4 p. m., orchestra, choir, First English Lutheran church; 4-4:45, Sabbath vespers, International Bible Students' association.
WEBH, Chicago, Ill. (370.2m-810kc), 10:40-12 noon, Seventh Church of Christ, Scientist; 5-6 p. m., twilight musicale; 7-9, news; Oriole orchestra; artists.
WENR, Chicago, Ill. (265.3m-1130kc), 2-3 p. m., Skeeles-Biddle hour; 3-4, Moody Bible Institute hour, 6-7, Moody Bible Institute evening hour; 9:30-12 midnight, All-American Pioneers.
WFAA, Dallas, Tex. (475.9m-630kc), 6-7 p. m., Bible class, First Presbyterian church; 7:30-8:30, First Methodist Episcopal church; 8:30-9:30, Tom D. Collins and his stringed instrument orchestra; 11-12, Jimmie Joy's orchestra.
WGN, Chicago, Ill. (302.8m-990kc), 6:45-7 p. m., musical program; 7-7:20, "The Million Sing"; 7:45-8:15, Drake concert ensemble, Blackstone string quintet; 8:15, WEAF; 9:15, old-time music room "Schuman"; 10, Sam 'n' Henry; 10:10, old-time favorites; 10:20-11, musical program, ensemble.
WGST, Atlanta, Ga. (270.1m-1110kc), 7-8 p. m., operatic program, Emilio Volpu, director.
WHB, Kansas City, Mo. (365.6m-820kc), 9:40-10:45 a. m., Linwood Blvd. Christian church; 11:15-12:30 p. m., Independence Blvd. Christian church; 8-9:15, Sinclair Lewis; 11:45-1 a. m., Linwood theater feature; Morrill Moore, organist; Don Anchors, poet.
WHAS, Louisville, Ky. (399.8m-750kc), 9:57 a. m., organ prelude; 10, Broadway Baptist church; 4:30-5:30, evensong choral service, Christ Church cathedral.
WHO, Des Moines, Iowa (526m-570kc), 11 a. m., B'nai Jesherum congregation; 4-5 p. m., Hartley Municipal band; 5-6, Bankers Life trio; 7:30-8:15, Fourteenth Cavalry band; 11-12, Bankers Life little symphonic orchestra.
WHT, Chicago, Ill. (399.8m-750kc), 11:30-12 p. m., Paul Rader.
WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., dinner program: Bernice Taylor, soprano; Robert E. Wessling, baritone; Helen Snyder, mezzo-soprano; Eugene Wallenius, baritone; Robert York, tenor; 10-12 midnight, popular program; Marie Tully, Wayne Myers, Lenore Friedman; Agnes Buchli, soprano; Charles Burke, uke soloist.
WJAZ, Chicago, Ill. (322.4m-930kc), 7-9 p. m., Spanish Garden studio.
WJJD, Mooseheart, Ill. (370.2m-810kc), 7:45 a. m., Catholic services; 9:40-10:30, Protestant services; 3 p. m., Mooseheart Sunday concert.
WKRC, Cincinnati, Ohio (422.3m-710kc), 6:45 p. m., Walnut Hills Christian church, sacred music; 10, classical program, vocal and instrumental selections; 11:15, Ace Brigode and his Virginians.
WLIB, Chicago, Ill. (302.8m-990kc), 5-6:30 p. m., chamber music; 6-6:15, non-professional period.
WLS, Chicago, Ill. (344.6m-870kc), 6:30-7:55 p. m., WLS Little Brown church in the Vale; Emanuel Congregation choir.
WLW, Cincinnati, Ohio (422.3m-710kc), 9:30 a. m., school; 11, Seventh Presbyterian church; 5 p. m., organ recital; 7:30, First Presbyterian church; 8:30, concert, H. and S. Pogue company orchestra; Amy Hattersley, soprano.
WMBB, Chicago, Ill. (249.9m-1200kc), 3-5 p. m., matinee program; 7:40-9, Fifth Church of Christ, Scientist; 9-11, Trianon orchestra; Woodlawn theater orchestra; Wellington Forbes; Billie Allen Hoff.
WNAD, Norman, Okla. (254.1m-1180kc), 9:30 p. m., Prof. Milton Dieterich, violincellist; Prof. Josef Noll, pianist; Prof. Adrian Wynnobel, voice; Ann Lee Hamilton, vocalist.
WOAI, San Antonio, Tex. (394.5m-760kc), 11 a. m., First Presbyterian church; 7:30 p. m., Central Christian church; 9:30, music.
WOAW, Omaha, Nebr. (526m-570kc), 9 a. m., chapel service; 1:30 p. m., classical; 6, Bible study period; 9, Parkvale Presbyterian church.
WOC, Davenport, Iowa (483.6m-620kc), 1-2:30 p. m., Old Folks' musical program; 6:30-7, Christian church, 8:15-9:15, WEAF; 10-11:30, Palmer Little symphony.
WOK, Chicago, Ill. (217.3m-1380kc), 6 p. m.-1 a. m., Tearney's Town club orchestra; Carl Lorraine's Pershing Palace orchestra; Capitol theater musical program; program.
WORD, Batavia, Ill. (275.1m-1090kc), 10 a. m., I.B.S.A. service; 2 p. m., Bible lecture; Earl F. Cassady; 2:30, program; 6, Webster hotel trio; 9:30, lecture, music.
WOS, Jefferson City, Mo. (440.9m-680kc), 9:30 a. m., Christian church; 5 p. m., Christian church; 7:30, Christian church.
WQJ, Chicago, Ill. (447.5m-670kc), 10-12 noon, Peoples church; 3-4 p. m., St. Ita's Senior choirs, St. Ita's Boy's choir; 8-10, Rainbo Garden orchestra; Dr. Carl Bertschinger, pianist; Sheppard Levine, tenor; Marjory Worthington, soprano.
WRR, Dallas, Texas (245.8m-1230kc), 10:45 a. m., First Baptist church; 7:30 p. m., First Baptist church; 9-10, Dallas Athletic club little symphony orchestra.
WSAI, Cincinnati, Ohio (325.9m-920kc), 11 a. m., service; 3-4:30 p. m., WEAF; 5, WEAF; 7:45, chimes; 9:15, WEAF.
WSM, Nashville, Tenn. (282.8m-1060kc), 10:30 a. m., First Presbyterian church.
WSOE, Milwaukee, Wis. (245.8m-1220kc), 8:30 a. m., special humane services; 7:30 p. m., Methodist Episcopal church.
WSUI, Iowa City, Iowa (483.6m-620kc), 9:30 p. m., familiar hymns, William G. Edmondson.
WSWS, Chicago, Ill. (275.8m-1090kc), 11-12:30 p. m., Moody church; 3:30-5, services; 7-9:30, song service.

Mountain Time Stations

KFXF, Colorado Springs, Colo. (249.9m-1200kc), 11 a. m., First Presbyterian church; 5 p. m., "Our Lord Victorious," cantata; 7:30, First Methodist church.
KOA, Denver, Colo. (322.4m-930kc), 10:30 a. m., Immaculate Conception cathedral; 3 p. m., Malcolm C. Marks, organist; 7:45, Immaculate Conception cathedral.
KUOM, Missoula, Mont. (243.8m-1230kc), 9:15 p. m., religious and classical music.

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-7:30 p. m., Grebe Synchrophase string ensemble; 7:30-8, Jim, Jack and Jean trio; 8-9, Aeolian organ; 9-10, Ray Gill and his orchestra; 10-11, Packard Six dance orchestra.
KFON, Long Beach, Calif. (232.4m-1280kc), 6:30-7:30 p. m., Prest and Dean program; 7:45-9, First Church of Christ, Scientist; 9-10, studio program; 10-11, Burt Pedersen's orchestra.
KFWB, Hollywood, Calif. (252m-1190kc), 9-11 p. m., Warner Brothers Sunday night movie frolic; Jack Smith's dance orchestra, Frances St. George, the jazz-mania girl.
KGO, Oakland, Calif. (361.2m-830kc), 11 a. m., First Methodist Episcopal church; Bessie Roland, organist; 3:30 p. m., concert, KGO little symphony orchestra; Merlyn Morse, baritone; 7:30, First Methodist Episcopal church.
KGW, Portland, Ore. (491.5m-610kc), 10:25 a. m., First Presbyterian church; 7:30-9, First Congregational church; 9-10, Chevrolet symphony orchestra.
KHJ, Los Angeles, Calif. (405.2m-740kc), 4-5 p. m., Masonic service; 7-8, First Methodist Episcopal church service; 8-10, program, Artland club, Orpheus Four, Burkman Brothers' Hawaiians.
KJR, Seattle, Wash. (384.4m-780kc), 11-12:30 p. m., First M. E. church; 7:15-7:30, organ recital, Mrs. Montgomery Lynch; 7:30-9, First M. E. church; 9-10:30, Puget Sound Savings and Loan Association orchestra.
KNX, Hollywood, Calif. (336.9m-890kc), 6:30-7 p. m., Unitarian church service; 8-9 p. m., First Presbyterian Church of Hollywood; 9-10:30 p. m., Beverly Hills Nurseries.
KPO, San Francisco, Calif. (428.3m-700kc), 9:45-10:45 a. m., Undenominational and nonsectarian church; 5-6 p. m., organ recital, Marshall Giselman; 6-6:30, States Restaurant orchestra; 6:35-8:35, Palace hotel concert orchestra; 8:35-10, Rudy Seiger's Fairmont hotel orchestra.
KPSN, Pasadena, Calif. (315.6m-950kc), 8:45-9:45 p. m., concert, Maryland artists' ensemble.
KTAB, Oakland, Calif. (239.9m-1250kc), 9:45 a. m., Bible lecture, Prof. E. G. Linsley; 11, service; 7:45 p. m., service; 9:30, concert.

With and without! Yes, the gentleman in the circle above is how Clara Kurtz' Chocolate Cake-Eater looks when he isn't chocolate. His name is Frank Hall. This pair of comedians make themselves at home over KOIL, Council Bluffs. Dorothy Prowell, right, is the popular violinist of KGO.

GENERAL TALKS AND SPEECHES

Saturday, April 17

Eastern	Central	Mountain	Pacific
7:45 p. m.	6:45 p. m.	5:45 p. m.	4:45 p. m.

WRC (468.5m-640kc) "The Work of Congress."
8:15 7:15 6:15 5:15
WOR (405.2m-740kc) "The Versatile Thomas Jefferson," Emanuel Celler.
9 8 7 6
WCCO (416.4m-720kc) "Fireside Philosophies," Rev. Roy L. Smith.
9:30 8:30 7:30 6:30
KOB (348.6m-860kc) Address, Carl Magee.
WMAQ (447.5m-670kc) Photologue.

Monday, April 19

Eastern	Central	Mountain	Pacific
7 p. m.	6 p. m.	5 p. m.	4 p. m.

WDAF (365.6m-820kc) Address, Edgar A. Linton.
8:35 7:35 6:35 5:35
WSM (282.8m-1060kc) American Forest week, R. S. Maddox.
11:05 10:05 9:05 8:05
KGO (361.2m-830kc) "Rebuilding the Forests," C. J. Hansen.
11:25 10:25 9:25 8:25
KGO (361.2m-830kc) "Chats About New Books," Joseph Henry Jackson.
11:50 10:50 9:50 8:50
KGO (361.2m-830kc) "Our Indian Girls," Eugene B. Lawson; "Our Negro Girls," Mrs. Ruth Moore.

Tuesday, April 20

Eastern	Central	Mountain	Pacific
7:30 p. m.	6:30 p. m.	5:30 p. m.	4:30 p. m.

WJAR (275.1m-1090kc) Industrial talk, R. Orville Ketchum.
9 8 7 6
WMAQ (447.5m-670kc) Book talk, Harry Hansen.
10:30 9:30 8:30 7:30
WCCO (416.4m-720kc) "Outdoors in Minnesota."

Wednesday, April 21

Eastern	Central	Mountain	Pacific
8:15 p. m.	7:15 p. m.	6:15 p. m.	5:15 p. m.

WJZ (454.3m-660kc) Zoological society series.

Eastern	Central	Mountain	Pacific
9:15 p. m.	8:15 p. m.	7:15 p. m.	6:15 p. m.

WCAU (277.6m-1080kc) Topics of the day, Senator Hassenpfeffer.
10:30 9:30 8:30 7:30
KWSC (348.6m-860kc) Book review, Alice Lindsay Webb.

Thursday, April 22

Eastern	Central	Mountain	Pacific
7 p. m.	6 p. m.	5 p. m.	4 p. m.

WIP (508.2m-590kc) Talk, Dr. Henry Leffman.
7:30 6:30 5:30 4:30
WGY (379.5m-790kc) WGY book chat, William F. Jacob.
WHAR (275.1m-1090kc) Historical facts, Harry H. Haeberly, Jr.
WMAK (265.3m-1130kc) "Shade Trees," Charles Bley.
7:45 6:45 5:45 4:45
WRC (468.5m-640kc) Political situation, Frederic William Wile.
10 9 8 7
KMTR (238m-1260kc) "Color Photography," Charles W. Beam.
12 m. 11 10 9
KGO (361.2m-830kc) "Wonders of the Sky," Henry M. Hyde.

Friday, April 23

Eastern	Central	Mountain	Pacific
7 p. m.	6 p. m.	5 p. m.	4 p. m.

WOAW (526m-570kc) Music review, Hester Bronson Copper.
7:45 6:45 5:45 4:45
WEEI (272.6m-1100kc) "Flying over Florida," Lieut. George Pond.
8:30 7:30 6:30 5:30
WCAL (336.9m-890kc) Book talk, Dr. George Weida Spohn.
10:15 9:15 8:15 7:15
KHJ (405.2m-740kc) "Airports and their Effect on Municipalities," W. D. Waterman.
10:30 9:30 8:30 7:30
KHJ (405.2m-740kc) "Romance of Santa Fe Trail," Gladys De Witt.
12:30 a. m. 11:30 10:30 9:30
KPO (428.3m-700kc) American Forest week talk.

Monday, April 19

Headliners Today

Eastern	Central	Mountain	Pacific
7:45 p. m.	6:45 p. m.	5:45 p. m.	4:45 p. m.

WGY (379.5m-790kc) Juvenile string quartet.
8:30 7:30 6:30 5:30
WBAP (475.9m-630kc) Aboard the "Crimson Limited."
9 8 7 6
WDAF (365.6m-820kc) Ivanhoe band, glee club.
WEAF (491.5m-610kc) WOO, WCAE, WJAR, WCAP, WTAG, WTIC, WSAI, Grand opera.
9:30 8:30 7:30 6:30
WBZ (333.1m-900kc) Patriots' Day program.
10 9 8 7
KMOX (280.2m-1070kc) Operalogue, "Rigoletto."
KOA (322.4m-930kc) Sacred cantata.
WCAU (277.6m-1080kc) Madrigal mixed quartet.

SINCLAIR LEWIS TO SPEAK AT WHB

Monday, April 19

Eastern	Central	Mountain	Pacific
11 p. m.	10 p. m.	9 p. m.	8 p. m.

CHIC (356.9m-840kc) Musical comedy selections.
WHAZ (379.5m-790kc) Philmont Silver band.
WLW (422.3m-710kc) Modern musical comedies.
WOOD (241.8m-1240kc) "Gladice at the Ranch."
11:35 10:35 9:35 8:35
KTHS (374.8m-800kc) Harmony twins.

Monday, silent night for: CKAC, CNRA, CNRC, CNRE, CNRM, CNRO, CNRR, CNRT, CNRV, CNRW, KFAU, KFMX, KFWA, KHJ, KPSN, KSAC, KUOA, KYW, WBBM, WCBD, WEOA, WEBH, WEBJ, WEBW, WENR, WGBF, WGBS, WGES, WGN, WHAS, WHT, WIBO, WIP, WJAZ, WJJD, WLIB, WLS, WMAQ, WMBB, WOAI, WOC, WOK, WORD, WOS, WQJ, WRC.

Eastern Time Stations

CHIC, Toronto, Can. (356.9m-840kc), 8 p. m., Magic Baking Powder entertainers; 11, musical comedy selections; trio; Mrs. K. Zimmerman, soprano; Olga Tough, contralto; Blake Lister, tenor; Harvey Doney, baritone.

KDKA, Pittsburgh, Pa. (309.1m-970kc), 9:55 p. m., Ruud light opera hour.

WABQ, Haverford, Pa. (260.7m-1150kc), 11 p. m., Ardmore theater program; Horace Hustler, organist; William Stewart, pianist.

WBAL, Baltimore, Md. (245.8m-1220kc), 7:30-8 p. m., Peabody Conservatory of Music; 8-9, Edith Gwinn, soprano; Neenah Wood, contralto; Arthur Morgan, violinist; 9:10-10, Eastwood Lane, pianist; Modena Scoville, pianist.

WAHG, Richmond Hill, N. Y. (315.6m-954kc), 7:30 p. m., boy scout program; 7:45, Dorathea Kruening, soprano; 8, Synchrophase hour; 9:15, William Helfenstein, baritone; 9:30, John Diehl, zither soloist; 10:02, Cliff Ulrich and Charlie Myers, songs; 10:30, Joe Zimmerman's orchestra; 12, "The Orionites."

WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., WBAL dinner orchestra.

WBBR, New York, N. Y. (272.6m-1100kc), 8 p. m., Syrian music, vocal selections.

WBZ, Springfield, Mass. (333.1m-900kc), 6:35 p. m., Hotel Lenox ensemble; 7:30, Rene Dagenais, organist; 8, Capitol theater orchestra; 9:30, Patriots Day program; 10:30, Leo Reisman and his Hotel Brunswick orchestra.

WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert, William Penn hotel; 8, studio concert; 9, studio concert; 10, WEAF; 11:05, dance orchestra.

WCAP, Washington, D. C. (468.5m-640kc), 6-11 p. m., Washington Post program; WEAF.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30 p. m., recital, N. Snellenburg and company; 8, Carolyn Thomas, soprano; Ella Jaquette Kratz, pianist; 8:30, Hood Boys; 8:45, Enright's Gems; 9, Merry Minstrels; 9:30, E. F. Carregan, mimic; 9:40, Jackson and Ellis, Radio sweethearts; 10, Madrigal mixed quartet.

WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., Goldkette ensemble; 8-9, studio program.

WEAF, New York, N. Y. (491.5m-610kc), 4-12 midnight, Marie Stapleton Murray, soprano; Etta Kabram, Pauline Sternlicht, pianists; Earl C. Little, bass; Vincent Lopez and his orchestra; Marie Davis, pianist; A. and P. Gypsies; WEAF Grand opera company; Ben Bernie and his orchestra.

WEAO, Columbus, Ohio (293.9m-1020kc), 7:35 p. m., music.

WEAR, Cleveland, Ohio (389.4m-770kc), 7 p. m., Allen theater orchestra.

WEEI, Boston, Mass. (348.6m-860kc), 7:30 p. m., Black Iron Shiners; 8, Poetic Walker; 8:15, musicale; 9, WEAF; 10, Joe Rines and his Hunters Cabin orchestra.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra.

WGBS, New York, N. Y. (315.6m-950kc), 6:30 p. m., Association of Reformed Rabbis.

WGHB, Clearwater, Fla. (265.3m-1130kc), 6:30-7:30 p. m., Gray Moss Inn; 8:30-10, program, W. K. Parnell, baritone; L. W. Joy, pianist; Fred Sampanaro, banjoist; 11:45-1 a. m., Ramble.

WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., Joe Armbruster's orchestra; 8:15, Ragnhild Simonson Rhode, featured in piano and vocal program; 9, Mrs. Harry Roberts and associates in popular program; 10, Marion Healy; 11, Vincent Lopez's Hotel Statler dance orchestra; John F. Gunderman, organist.

WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., Hotel Van Curler orchestra; 7:45, Juvenile string quartet; 9:40, dinner, Schenectady County Republican organization, Senator James W. Wadsworth, Jr.

WHAR, Atlantic City, N. J. (275.1m-1090kc), 8 p. m., concert, Seaside hotel trio; 11, dance orchestra, Follies Bergere.

WHAZ, Troy, N. Y. (379.5m-790kc), 10 p. m., vaudeville; 11, Philmont silver band.

WHN, New York, N. Y. (361.2m-830kc), 6 p. m., Woodmanston Inn orchestra; 7:20, Joe Ward's Swanee entertainers; 8:05, orchestra; 8:30, George's Surprise; 9:30, Loew's New York orchestra; 10, orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin hotel concert orchestra.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Jean Goldkette's Petite symphony orchestra; 7:15, Caspar Lingeman entertainers; 7:45, music; 9, Paige and Jewett Sixes; 11:30, Merry Old Chief.

WLIT, Philadelphia, Pa. (394.5m-760kc), 9 p. m., Stanley hour of music; 10, Arcadia cafe dance orchestra; 10:30, vaudeville features, Fay's Knickerbocker theater; 10:45, El Patio dance orchestra.

WMAK, Buffalo, N. Y. (265.3m-1130kc), 7:30 p. m., Murray Whiteman and serenaders; 8:30, musicale; 9-10, Philco hour; 10-11, Beaver Products company.

WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Hotel McAlpin string ensemble; 6:30 orchestra; 7:30, Kurtz Karnival Kings; 11:30, Jack Denny's orchestra; 12, entertainers; 12:30, orchestra.

WNYC, New York, N. Y. (526m-570kc), 7:45 p. m., songs; 8:15, piano; 8:45, instrumental program.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Sylvania orchestra; 8, WEAF.

WOR, Newark, N. J. (405.2m-740kc), 7:30 p. m., Copenhagen quartet; 9:30, Spanish Symphony orchestra; 10:45, Hofbrau Haus orchestra; 11:15, Billy Rose's Fifth Avenue club orchestra.

WPG, Atlantic City, N. J. (299.8m-1000kc), 6:45 p. m., organ recital, Arthur Brook; 7:10, Hotel Morton dinner music; 7:30, Elks home dinner dance music; 8:40, Alice Sachse, pianist; 9, Hotel Ambassador concert orchestra; 10, Hotel Traymore dance orchestra; 11, Silver Slipper supper club, Eddie McKnight's dance orchestra.

WREO, Lansing, Mich. (255.5m-1050kc), 6-7 p. m., dinner concert, Speed-Wagon Serenaders; Gold Standard ensemble.

WRVA, Richmond, Va. (256.3m-1170kc), 8:10 p. m., popular songs, Pat Binford, Bright Keck; 9:15, juvenile stars; 9:45, Melodians orchestra; 11:30, Carry Me Back to Old Virginny.

WTAG, Worcester, Mass. (268m-1120kc), 8:30-9 p. m., Broad and Long; 9-10, Robin Hood hour of music; 10-11, WEAF.

WTIC, Hartford, Conn. (475.9m-630kc), 6:50 p. m., Hub trio; 8:30, Capitol theater orchestra; 9, popular songs, F. J. Cremin; 9:30, Emil Heimberger's Hotel Bond dance orchestra; 10, grand opera hour; 11, Travelers symphonic ensemble.

WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7, studio program; 8, Detroit News orchestra; 9, WEAF.

Central Time Stations

CKY, Winnipeg, Can. (384.4m-780kc), 8:30 p. m., concert; 10, old-time music, Roseland dance gardens; 11, revue, Capitol theater.

KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., dinner concert; 8:30-10:30, Belshaw's orchestra; Harmony Boys, vocal and piano; Cowbell Boys; Harriet Cruise, oriole of the air.

KFKU, Lawrence, Kan. (275.1m-1090kc), 7:15 p. m., Raymond Lawrenson, pianist; Esther Ott, soprano.

KFKX, Hastings, Nebr. (288.3m-1040kc), 9 p. m., musicale, Methodist church.

KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., concert.

KFRU, Columbia, Mo. (499.7m-600kc), 6:15 p. m., dinner music.

KMA, Shenandoah, Iowa (252m-1190kc), 6-7 p. m., Gibson orchestra; 7:30, theatrical feature; 10, modern musical comedies, Crosley little symphony orchestra; Crosley male quartet.

WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., concert, Mme. Valentina Tumanskaya.

WNAD, Norman, Okla. (254.1m-1180kc), 7:20 p. m., Bernice Wysong, pianist; Helen Bailey, violinist; Tessie Rudell, vocalist; Rachael Bedford, reader; Hettie May Russell, violinist.

WOAW, Omaha, Nebr. (526m-570kc), 6:20 p. m., Frank Peterson, tenor; Helen Higgins, pianist; 6:50, Royal Fontenelle orchestra; 9, classical.

WOI, Iowa City, Iowa (270.1m-1110kc), 8 p. m., Iowa Industrial school.

WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9-10 p. m., classical concert, Yeagla orchestral trio; 10-11, Mills-Wetzel presentation; "Gladice at the Ranch." play; ensemble; 11-1 a. m., Wild and Wooly Wood Workers' club; Merle Compton and his orchestra.

Rehearsing "The Prisoner's Song," is the probable occupation of the Teaberry quartet, above. Teaberry time means Friday night at KDKA, with a little classical music, a few popular songs, and just the right proportion of comedy. Bud Kingston, left, is the cartoon teacher at WTIC, Hartford. Every Friday evening he gives young cartoonists advice.

popular music; 9-11, Farnham trio; How-Do-You-Do Boys, Grady and Doc.

KMOX, St. Louis, Mo. (280.2m-1070kc), 6 p. m., Arthur Utt, organist; 6:30, Mrs. Jacques Landree, organist; 7, orchestra; Buster Brown; 8, chamber music hour; Mrs. Jacques Landree, Miss Schmidt, Mrs. Howe, Miss Evers; 9, operalogue, "Rigoletto"; 10, dance music.

KOIL, Council Bluffs, Iowa (277.6m-1080kc), 6:05 p. m., entertainers; 6:35, Original Collegians; 7:30, Fat Boys; 8, Florence Senior Duerr, pianist; Mabel Woodworth Jensen, violinist; Walter Jenkins, baritone; 9, John Helder; 10, Barnyard Twins; 11, Hotsy Totsy hour.

KPRC, Houston, Tex. (296.9m-1010kc), 6:30 p. m., Harold Oxley's orchestra; 7:30, twilight song time; 7:45, Record's Ramblers dance orchestra; 8:30, Max Shippee, tenor; Mrs. H. Whittington, accompanist; 9, Mr. and Mrs. Cliff Drescher, artist saxophonist and accompanist; 9:30, Mr. and Mrs. J. Spurway, baritone, contralto.

KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., program; 7:30, American Institute of Banking.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9-9:30 p. m., Meyer Davis orchestra; 9:30-9:50, Arthur Platz, tenor; 9:50-10:20, Natalie Arnoux, violinist; 10:20-10:35, Elizabeth Bowe, pianist; 10:35-11, Harmony Twins; 11-12:15, Lawson Reid, organist.

KUOA, Fayetteville, Ark. (299.8m-1000kc), 8 p. m., orchestra, First Methodist church.

WADC, Akron, Ohio (285.5m-1160kc), 6:30 p. m., Hotel Portage quintet; 1 a. m., India Owl's.

WAMD, Minneapolis, Minn. (243.8m-1230kc), 7:05 p. m., Hartman Twins, Frank and Ernest; 7:15, popular musical program; Wandering Minstrel, Maurine Heft, pianist; 9, Gayle Wood, pianist; 11, Skyrocket frolic.

WBAP, Fort Worth, Tex. (475.9m-630kc), 6-6:30 p. m., Texas hotel orchestra; 7:30-8:30, Crimson Limited; 9:30-11, Ward's Trail Blazers; 11-12, Duncan-Marin orchestra.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6:15 p. m., dinner music, St. Paul hotel concert orchestra; 8, University of Minnesota program; 9, classical concert.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., Trianon ensemble; 8-9:30, Ivanhoe band; Ivanhoe glee club; 11:45-1 a. m., Nighthawk frolic; Ted Weems' Victor Recording orchestra; Billy Adair's orchestra; Ted Meyn, organist.

WFAA, Dallas, Tex. (475.9m-630kc), 6:30-7:30 p. m., Honey Boys orchestra.

WHB, Kansas City, Mo. (365.6m-820kc), 7-8 p. m., Sweeney orchestra.

WGST, Atlanta, Ga. (270.1m-1110kc), 9-10 p. m., Tech Marionette quartet.

WHA, Madison, Wis. (535.4m-560kc), 8 p. m., Clef club musicale.

WHO, Des Moines, Iowa (526m-570kc), 7:30-9 p. m., Paul Stoye, pianist-composer; Joseph Gifford, reader; Amelia Reinke, soprano; C. Lee, basso; 11-12, organ recital, Carlos Moier.

WJAD, Waco, Tex. (352.7m-1190kc), 8:30-10 p. m., Mary Jaworski and others.

WKRC, Cincinnati, Ohio (422.3m-710kc), 6 p. m., Alvin Rochr and his dinner concert orchestra; 8, popular program; 9, American Legion program; 12, dance music.

WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., Hotel

WOS, Jefferson City, Mo. (440.9m-680kc), 8:15 p. m., string ensemble.

WRR, Dallas, Tex. (245.8m-1230kc), 6-7 p. m., Jack Gardner's orchestra; 8-9, Magnolia Petroleum company orchestra; 11-12, Pantage's vaudeville program.

WSAI, Cincinnati, Ohio (325.9m-920kc), 8-10 p. m., WEAF; 10, studio program.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., Merry-makers' orchestra; 10:45, Chamber of Commerce program.

WSBT, South Bend, Ind. (275.1m-1090kc), 7:15 p. m., orchestra, concert.

WSM, Nashville, Tenn. (282.8m-1060kc), 6:30 p. m., Francis Craig's orchestra; 8, Mrs. Robert Caldwell, contralto; artists; 10, Vito Pellettieri's orchestra.

WSOE, Milwaukee, Wis. (245.8m-1220kc), 9 p. m., Candygram frolic, Manhattan Beach orchestra; Al Nitz, tenor; Lorraine Hug, pianist; guest artists.

WSUI, Iowa City, Iowa (483.6m-820kc), 8:30 p. m., Bohemian program.

Mountain Time Stations

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra; 8, sacred cantata, "Ruth, the Moabitess," choir, Christ Methodist Episcopal church; KOA orchestra; P. G. Zieschang, pianist; Mrs. E. F. Loessel, soprano; Helen Doughty, pianist; Esther Uhlmann, pianist; 9:40, "A Step On the Stairs."

KUOM, Missoula, Mont. (243.8m-1230kc), 8 p. m., vocal, instrumental and ensemble music.

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 6:45 p. m., Radiotorial period; 7-8, Owen Fallon's Californians; 8-9, studio program; 9-10, Walter M. Murphy Motors company; Misha Gegna orchestra; Olga Steffani, contralto; Virginia Flohri, soprano; 10-11, Meiklejohn Brothers.

KFON, Long Beach, Calif. (232.4m-1280kc), 7-8 p. m., Prizma hour with Lake's club orchestra; 8-9, Press-Telegram studio; 9-11, KFON artists' frolic; 11-12, State theater organ.

KFWA, Ogden, Utah (260.7m-1150kc), 9-10 p. m., Syncopers orchestra.

KFWB, Hollywood, Calif. (252m-1190kc), 6:30-7:30 p. m., Pontiac Six dinner hour; 7:30-8, program, Dr. Ralph Mitchell and associated dentists; 8-9, program, Corduroy Tire company; 9-10, program, Star Motor Car company; 10-11, Warner Brothers frolic, direction Charlie Wellman.

KFXF, Colorado Springs, Colo. (249.9m-1200kc), 8:30 p. m., Dorothy Ehler Phillips, soprano; Lucinda Shutt, contralto; Evelyn Bissell, pianist.

KGO, Oakland, Calif. (361.2m-830kc), 6-6:55 p. m., dinner concert, Knickerbocker trio; 8, Arion trio.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., Olds, Wortman and King company; 8-9, music; 9-10, instrumental music.

KJR, Seattle, Wash. (384.4m-780kc), 7-8:30 p. m., Sears, Roebuck and company program; Mendelssohn trio; 8:30-10, Post Intelligencer studio program.

KLX, Oakland, Calif. (508.2m-590kc), 6:30-7 p. m., Athens Athletic club orchestra; 8-9, Martinez night; 9-10:30, Lake Merritt Ducks.

KMTR, Hollywood, Calif. (238m-1260kc), 7:30-8 p. m., Y. M. C. A. musical program; 8-10, KMTR concert orchestra; 10-11, Starr Piano company studio.

KNX, Hollywood, Calif. (336.9m-890kc), 6:30-7 p. m., Atwater Kent orchestra; 7:30-8, Overell's Furniture company; 8-9, L. W. Stockwell company; 9-10, Beste Dental system; 10-11, Goodrich Silvertown Cord dance orchestra; 11-12, Ambassador hotel dance orchestra.

KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7 p. m., States restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel orchestra; 8:10-9, Palace hotel dance orchestra; 9-10, KFI program; 10-11, Cabiria cafe dance orchestra.

KTAB, Oakland, Calif. (239.9m-1250kc), 8-10 p. m., program.

KWSC, Pullman, Wash. (348.6m-860kc), 7:30-9 p. m., Edith Johnson, pianist; Dorothy Sage, violinist; Olive Price, vocalist.

"a Step On the Stairs"

Broadcast as a Play

EPISODE EIGHT—THE SETTING

EPISODE SIX continues in the high-beamed hunt-room, the room that has been the scene of strange and mysterious crimes, of the Turner manse. The guests who had gathered there to hear a message from Peleg Turner, have waited patiently until Tolliver returns from the Radio station to report that murderous deeds have been afoot there, too. Just as he displays a letter he has stolen at the station, Mary Williams seemingly faints, throwing out her hand and upsetting the candle. In the resultant darkness the letter has disappeared. Mary Williams and Ardwyn stay alone in the room to await the return of a stranger. He returns, in the dark, and the guests come in the room just in time to find Ardwyn unconscious with a flesh wound on his head and Miss Williams fainted—holding part of Peleg Turner's funeral clothes. The two are revived, and all but Mary leave the room. Then John Carton reappears to Mary and asks her to believe in him. He narrowly escapes the return of the other people and is assisted in escaping by Hari Singh, who then shortly returns from the outside with the unconscious form of Milford Jones. The seance is resumed with the unbelievable result that Peleg Turner's voice comes over the Radio. He curses the murderer of his brother. He says the murderer is now in the house, but shall pay in full ere dawn. Pandemonium reigns. The beam of a flashlight hits Tolliver. Attempts to locate the owner of the light are in vain. A human chain is formed to count heads. Instead of eleven as there should be, thirteen people are found in the darkened room. Tolliver seeks matches but is engaged in a struggle. An unknown voice threatens to shoot to kill at the first flicker of a match. The intruders begin tearing up the bricks around the hearth. Aunt Helen cries there is a corpse at her feet. Mary Williams obtains a gun and, concealed, guards the front door exit while Hari Singh, without, guards the side door. One intruder, as they all seek escape, is shot by Mary. The front door suddenly opens, casing and all and the place is raided by police and state troopers. The raid leader calls Henry Graves by the name of "Doggy" French, evidently a known criminal. The eighth episode opens.

THE CAST

Frederick Ardwyn.....Peleg Turner's lawyer
Mary Williams.....A youthful guest
Hari Singh.....Hindu servant of Peleg Turner
Captain Phelps and Lieutenant Cass.....State troopers
Henry Graves alias "Doggy" French.....A mysterious man Mary had known formerly
Maurice Tolliver.....A youth and relative
Mr. Everett.....Chief of Portsmouth narcotic squad
John Carton.....Nephew of Peleg Turner

WHERE AND WHEN TO DIAL

KGO, Oakland, Calif. (361.2m-830kc). Eighth episode at 9:15 p. m. Pacific time, Saturday, April 17.

KOA, Denver, Colo. (322.4m-930kc). Eighth episode at 9:40 p. m. Mountain time, Monday, April 19.

WBAP, Fort Worth, Tex. (475.9m-630kc). Fourth episode at 11 p. m. Central time, Thursday, April 22.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc). Eighth episode at 10:05 p. m. Central time, Tuesday, April 20.

WGY, Schenectady, N. Y. (379.5m-790kc). Seventh episode at 8:15 p. m. Eastern time, Friday, April 16. Eighth episode same time, April 23.

WHO, Des Moines, Iowa (526m-570kc). Eighth episode at 2:30 p. m. Central time, Monday, April 19.

WLW, Cincinnati, Ohio (422.3m-710kc). Eighth episode at 8:30 p. m. Central time, Saturday, April 17.

WMAQ, Chicago, Ill. (447.5m-670kc). Eighth episode at 9 p. m. Central time, Wednesday, April 14. Ninth episode same time, April 21.

WNAC, Boston, Mass. (280.2m-1070kc). Eighth episode at 8:30 p. m. Eastern time, Wednesday, April 14. Ninth episode at same time, April 21.

WEAN, Providence, R. I. (270.1m-1110kc). Play broadcast by direct wire from WNAC, Boston, on same schedule as WNAC therefore.

WOAW, Omaha, Nebr. (526m-570kc). Eighth episode at 8 p. m. Central time, Saturday, April 17.

WOC, Davenport, Iowa (483.6m-620kc). Eighth episode at 10:30 p. m. Central time, Friday, April 16. Ninth episode same time, April 23.

WOR, Newark, N. J. (405.2m-740kc). Eighth episode at 10:30 p. m. Eastern time, Saturday, April 17.

WRC, Washington, D. C. (468.5m-640kc). Seventh episode at 8:15 p. m. Eastern time, Friday, April 16. Eighth episode same time, April 23.

KTHS, Hot Springs National Park, Ark. (371.8m-800kc). Schedule to be announced over air.

KDKA LITTLE SYMPHONY ORCHESTR

CLASSICAL CONCERTS INDEX

Saturday, April 17

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.
WCX, WEAF, WMCA, WREO.			
7	6	5	4
KGO, KYW, WEAR, WENR, WMAQ, WNYC, WOAW, WOK, WRC.			
8	7	6	5
KDKA, KFNF, KOIL, KSD, KYW, WBBR, WGN, WMBB, WNYC, WOAW, WQJ.			
9	8	7	6
KFOA, KPRC, KHJ, KYW, WHAS, WIP, WLW, WORD, WSAI, WSOE.			
10	9	8	7
KNX, KYW, WEAF, WMAQ, WMC, WOAW, WOC, WORD.			
11	10	9	8
KGO.			
12 m	11	10	9
WOAW.			

Sunday, April 18

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.
WCAU.			
7:20	6:20	5:20	4:20
WCAE, WCAU, WEAF, WEAR, WEEI, WJAR, WTAG, WWJ.			
8	7	6	5
KYW, WAMD, WBZ, WEAR, WGBS, WGCP, WKAQ, WLS, WORD.			
9	8	7	6
KFDM, KPRC, KSD, WBZ, WCAU, WCBD, WCCO, WEAR, WGY, WHAR, WHT, WNYC, WQJ.			
9:15	8:15	7:15	6:15
WEEI, WJAR, WTAG.			
10	9	8	7
KHJ, KNX, KTHS, KYW, WCCO, WFAA, WNYC, WOC, WQJ, WSOE.			
11	10	9	8
KFVE, KHJ, KNX, KPO, KTHS, KYW, WHN, WKRC, WOC.			
12 m	11	10	9
KHJ, KNX, WOC.			
1 a. m.	12 m	11	10
KNX.			

Monday, April 19

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.
KGO, WCX, WEAF, WMCA, WREO, WWJ.			
7	6	5	4
KMA, WCCO, WEAF, WEAR, WHAD, WJR, WOAW, WOK.			
8	7	6	5
KFNF, KSD, WBBR, WBZ, WCAU, WCX, WHAR, WHT, WJAR, WLW, WMBB, WTAG, WTIC.			
9	8	7	6
KFOA, KGO, KHJ, KPRC, WBBR, WCCO, WBZ, WCAE, WEEI, WHAD, WHO, WJAR, WLW, WORD, WOS.			
10	9	8	7
KMA, KPO, KPRC, KSD, KTHS, WAMD, WCCO, WEAF, WHAD, WJAR, WOAW, WSUI, WTAG.			
11	10	9	8
KGW, KHJ, KMA, KSD, KTHS, KWSC, WHN, WSAI.			
12 m	11	10	9
KGW, WBAP, WSAI.			
1 a. m.	12 m	11	10
KHJ.			

Tuesday, April 20

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.
WBZ, WCX, WEAF, WMCA, WREO, WWJ.			
7	6	5	4
KGO, KMA, WEAR, WEBJ, WGBS, WHAD, WJR, WMAQ, WOAW, WOK, WOR, WTIC, WWJ.			
8	7	6	5
KFNF, KSD, KYW, WBZ, WCAE, WCAU, WCX, WEAR, WEEI, WGR, WHAR, WHT, WLS, WMBB, WQJ, WRC, WTIC.			
9	8	7	6
KDKA, KFNF, KOIL, KSD, KYW, WBBR, WGN, WMBB, WNYC, WOAW, WQJ.			
9	8	7	6
KFOA, KPRC, KHJ, KYW, WHAS, WIP, WLW, WORD, WSAI, WSOE.			
10	9	8	7
KNX, KYW, WEAF, WMAQ, WMC, WOAW, WOC, WORD.			
11	10	9	8
KGO.			
12 m	11	10	9
WOAW.			

Wednesday, April 21

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.
WCX, WEAF, WMCA, WREO, WWJ.			
7	6	5	4
KGO, WEAR, WHAD, WJR, WMAQ, WOK, WTIC.			
8	7	6	5
KFNF, KPRC, KSD, KYW, WAMD, WBZ, WCX, WEAF, WEEI, WHT, WLW, WMBB, WMCA, WQJ, WTAG, WWJ.			
9	8	7	6
KFOA, KGO, KPRC, KSD, KYW, WBZ, WCCO, WDAF, WEEI, WGR, WHAD, WHAS, WJAR, WMAQ, WOR, WOS, WORD.			
10	9	8	7
KFMX, KMA, KNX, KTHS, WAMD, WCCO, WEAF, WEEI, WGR, WHAD, WJAR, WLS, WMAQ, WNYC, WOC, WSOE.			
11	10	9	8
KGO, KGW, KMA, KPO, KTHS, WCAE, WLS, WLW, WOC, WSAI.			
12 m	11	10	9
KGW, KPO, WHAD, WLW.			
1 a. m.	12 m	11	10
WLW.			

Thursday, April 22

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.
WBZ, WCX, WEAF, WIP, WMCA, WREO, WWJ.			
7	6	5	4
KGO, KSD, WEAF, WEAR, WGBS, WHAD, WJR, WMAQ, WOAW, WOK, WWJ.			
8	7	6	5
KYW, WBBR, WBZ, WCAU, WCCO, WCX, WEAR, WEEI, WGR, WGY, WHAR, WHT, WLS, WLW, WMBB, WOAW, WQJ, WTAG, WTIC.			
9	8	7	6
KHJ, KLDS, WBAP, WCAE, WCAU, WCBD, WCCO, WEAF, WEEI, WGR, WHAR, WHAS, WJAR, WNYC, WOC, WORD, WRC, WSAI, WSB, WTAG.			
10	9	8	7
KNX, KPRC, KTHS, KYW, WAMD, WGR, WGY, WHAD, WMC, WOAW, WOC, WSAI.			
11	10	9	8
KGO, KPO, KTHS, WBAP, WKRC.			
12 m	11	10	9
KGW, KPO, WHO, WKRC.			

Friday, April 23

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p.,m.
KGO, WCX, WMCA, WREO, WWJ.			
7	6	5	4
KGO, WEBJ, WGY, WHAD, WJR, WMAQ, WOAW, WOK, WOR, WTIC.			
8	7	6	5
KYW, WAHG, WAMD, WBZ, WCAU, WCX, WEBJ, WEEI, WHT, WLS, WQJ, WWJ.			
9	8	7	6
KFDM, KFNF, KFOA, KGO, KHJ, KSD, KYW, WBAP, WBZ, WCAU, WDAF, WEEI, WHAD, WJAR, WMAQ, WMCA, WSAI.			
10	9	8	7
KFAB, KFDM, KOA, WCCO, WHAD, WMAQ,			
11	10	9	8
KFMX, KHJ, KNX, KPO, WABQ.			
12 m	11	10	9
KPO.			

Beau Brummels of the quartet below. They ar making a fine reputation every Thursday evening left is the musical direc the right is Kathleen R Ryan will sing in the "I

Tuesday, April 20

Headliners Today

Eastern	Central	Mountain	Pacific
8 p. m.	7 p. m.	6 p. m.	5 p. m.

KFNF (263m-1149kc) Hawaiian concerts.
8:30 7:30 6:30 5:30
WHAS (399.8m-750kc) Zoeller's Melodists.
WJZ, (454.3m-660kc), WGY (379.5m-790kc), Deltah Pearl hour.
9 8 7 6
KDKA (309.1m-970kc) Girls' Glee club.
KMOX (280.2m-1070kc) "In a Persian Garden."
9:30 8:30 7:30 6:30
WBZ (333.1m-900kc) Strathmore quartet.
WIP (508.2m-590kc) Balcony scene, "Cyrano De-Bergerac."
10 9 8 7
WOOD (241.8m-1240kc) Ye Olde Time Songe Feste.
11 10 9 8
KGO (361.2m-830kc) Eveready program.
WOC (483.6m-620kc) Instrumental trio.
WTIC (475.9m-630kc) Patriotic Day program.
11:05 10:05 9:05 8:05
WCCO (416.4m-720kc) "A Step On the Stairs."
12:45 a. m. 11:45 10:45 9:45
WKRC (422.3m-710kc) Blues and Ballads.

Tuesday, silent night for: CFCA, CHIC, CKNC, CNRC, CNRE, CNRM, CNRO, CNRT, CNRW, KUOA, KFUO, KFWA, KOA, KOAC, KOB, KOWW, KUOM, KSAC, KTAB, KWSC, KYX, WABQ, WAHG, WAIU, WAMD, WBBR, WCAL, WCAP, WEMC, WGCP, WHAZ, WJAD, WJAZ, WKAF, WLWL, WMAK, WMAZ, WOI, WOS, WRVA, WSMB, WSUI, WTAM, WTIC.

Eastern Time Stations

CNRA, Moncton, Canada (312.3m-960kc), 8 p. m., symphony quartet; Roberta Spender, pianist; Mrs. H. Duchemin, mezzo-soprano; Mrs. H. Laidlaw, contralto; B. McNeill, soprano; 10, CNRA orchestra.

KDKA, Pittsburgh, Pa. (309.1m-970kc), 6:30 p. m., dinner concert; 8:30, sacred song half-hour; 9, Girls' glee club, Pikeville college; 11:35, Grand theater.

WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., Hotel Lenox ensemble; 7:15, Hotel Kimball trio; 8, French-English program; 9, William L. Spittal, tenor; 9:15, Katherine Gravelin, pianist; 9:30, Strathmore male quartet.

WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert, William Penn hotel; 8-11, WEAF; 11:05, Kenyon theater.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:30 p. m., Snellenburg instrumental trio; 8:10, Three Brothers; 8:25, Peter Ricci, baritone; Virginia Klein, pianist; 8:45, Charles Higgins and Joe Burke, popular songs; 9, Robert Fraser, blind gospel singer; 9:30, Esther Lawrence and players; 10, Eddie Malle and Danny Dougherty, songs; 10:30, Billy Hays and his Cathay Tea Garden dance orchestra.

WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., Goldkette ensemble; 10-2 a. m., Red Apple club.

WEAR, Cleveland, Ohio (389.4m-770kc), 7 p. m., State theater vaudeville; 8-11, WEAF; 11, Wormack's Singing syncopators.

WEAF, New York, N. Y. (491.5m-610kc), 4-12 midnight, string trio; United Synagogue of America, Vincent Lopez and his orchestra; Mabelanna Corby, Grand Prize Eurekas; Gold Dust Twins; Eveready hour; Moment Musicale; Vincent Lopez and his orchestra; Ross Gorman and his orchestra.

WEBJ, New York, N. Y. (272.6m-1100kc), 7 p. m., Dan Barnett's orchestra; 7:45, Charles Tobias; 8:15, Jennie Cree Gregory, soprano; 8:30, Ralberne orchestra.

WEEI, Boston, Mass. (348.6m-860kc), 6:05 p. m., popular songs, George Joy and Nell Cantor; 7:30, musicale; 8-11, WEAF.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra; 8-11:30, WEAF.

WGBS, New York, N. Y. (315.6m-950kc), 6:30 p. m., Mac and Lennie, musicomidette; 7, Arrowhead Inn concert orchestra; 10:30, Arrowhead dance orchestra.

WGHB, Clearwater, Fla. (265.3m-1130kc), 6:30-7:30 p. m., dinner music; 7:30-7:45, Giles W. Quarles; 8:30-9:30, good will program; 11:45-1 a. m., Ramble.

WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., Vincent Lopez's Hotel Statler dance orchestra; 8, WEAF.

WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., Hotel Van Curler orchestra; 7:45, WRC, WJZ; 8:30, WJZ; 9, WGY orchestra; 10, WJZ.

WHAR, Atlantic City, N. J. (275.1m-1090kc), 8 p. m., Seaside hotel trio.

WHN, New York, N. Y. (361.2m-830kc), 6:30 p. m., Everglades orchestra; 7:30, Will Oakland's Chateau; 8, Treasureland neighbors; 11, organ recital; 11:30, playground; 12, Harry Richman and his entertainers.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Monte Cross, "old-timer"; 8:15, Laserow quartet; 9, recital for two pianos, Flora Ripka, Reuben Leibowitz; 9:30, balcony scene from "Cyrano DeBergerac," Carol Lynn, Dwight Hensen; 10:30, Benjamin Franklin El Patio dance orchestra.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., old-time dance orchestra; 8, entertainers; 9, Jean Goldkette's orchestra.

WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Hotel McAlpin string ensemble; 6:30, Parody orchestra; 7, Twin Oaks orchestra; 10, Creole Follies; 10:30, Tang orchestra; 11, orchestra; 12, entertainers.

WNYC, New York, N. Y. (526m-570kc), 8 p. m., songs; 8:30, piano; 8:45, songs.

WOR, Newark, N. J. (405.2m-740kc), 6:45 p. m., Hotel Bretton Hall quartet.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Adelphia French Room orchestra.

WPG, Atlantic City, N. J. (299.8m-1000kc), 6:45 p. m., organ recital, Arthur Brook; 7, Hotel Morton dinner music; 8, Plaza hotel artists; Cecile Steiner, violinist; Margaret Irwin, pianist; Margaret Mancill, contralto; 8:30, Million Dollar Pier dance orchestra, Katz and His Kittens; 9, Chalfonte-Haddon hall dual trio; 10, Hotel Traymore Grill dance orchestra; 11, Katz and His Kittens; 11:30, Silver Slipper supper club dance orchestra.

WRC, Washington, D. C. (468.5m-640kc), 7:30 p. m., U. S. Marine band orchestra WJZ, WGY; 8:30, WJZ; 9 music; 10, WJZ; 10:30, Hotel Mayflower orchestra.

WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., dinner concert, Speed-Wagon Serenaders; Gold Standard ensemble; 8:15, Reo Motor Car company band; special musical features; vocal and instrumental solos.

WRVA, Richmond, Va. (256.3m-1170kc), 6 p. m., V. M. I. orchestra; 6:30-8:30, V. M. I. Alumni banquet, yells, songs, talks, orchestra; 11, Old South Negro quartet; 11:30, Harold Lawrence, pianist; 12-1 a. m., Hotel Richmond dance orchestra.

WTAG, Worcester, Mass. (268m-1120kc), 8-8:30 p. m., WEAF; 9-11, WEAF.

WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 8, WEAF.

Central Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., dinner concert; 8:05-10:30, University of Nebraska

KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., Hawaiian concert.
program.

KFRU, Columbia, Mo. (499.7m-600kc), 6:15 p. m., dinner music.

KMA, Shenandoah, Iowa (252m-1190kc), 6-7 p. m., May Flower trio; 9-11, May's Mandolin Musicians.

KMOX, St. Louis, Mo. (280.2m-1070kc), 6 p. m., organ recital, Arthur Utt; 6:30, organ recital, Mrs. Jacques Landree; 7, orchestra; Dr. Julius Bischof, "The Bert Williams of the Air"; character songs, Mrs. Jules Rotter; 8, "In a Persian Garden"; 9, selections from English classics; Mrs. Madeline Mattingley, reader, 10, dance music.

KOIL, Council Bluffs, Iowa (277.6m-1080kc), 6:05 p. m., Clara and Lucy; 6:30, Royal Fontenelle orchestra, 7:30, E. Maginis Durr, pianist; 11, Hotsy Totsy hour.

KPRC, Houston, Texas (296.9m-1010kc), 7:30 p. m., Harry Kobusch and his dance orchestra; Carl Moritz, tenor; 8:30, Skyline studios concert.

KSD, St. Louis, Mo. (545.1m-550kc), 7-10:30 p. m., WEAF.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9-10 p. m., Hot Springs Kiwanis club; 10-10:30, New Arlington hotel orchestra; 10:30-10:45, Joe Kuntz, accordionist.

KUOA, Fayetteville, Ark. (299.8m-1000kc), 8 p. m., musical program, students, Harry E. Shultz, Henry D. Tovey.

KYW, Chicago, Ill. (535.4m-560kc), 6-6:15 p. m., KDKA; 6:30-7, Congress hotel; 8-9, Henrietta Nolan, violinist; Melody quartet; 10-1 a. m., evening at home.

WADC, Akron, Ohio (285.5m-1160kc), 6:30 p. m., Hotel Portage quintet; 8, program; 9, frolic; 10, Times Press hour.

WBAP, Fort Worth, Texas (475.9m-630kc), 6-6:30 p. m., Texas hotel orchestra; 7:30-8:30, Virginia Jackson Wright, pianist; 9:30-11, Maggie Overstreet.

WBBM, Chicago, Ill. (225.4m-1330kc), 8-12 midnight, Jack Crawford's Alemite orchestra; Tip trio; Pete Kules; Vivian Sheffer, contralto.

WCBD, Zion, Ill. (344.6m-870kc), 8 p. m., mandolin, guitar club; duet, Mr. and Mrs. Thomas; Mrs. LaRose, Mr. Barton; Mrs. B. Beem, soprano; Florence Farrar, contralto; Alice Peters, violinist; Daniel Mason, trombonist.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 7-9 p. m., WEAF; 10:05, "A Step On the Stairs," serial drama, 7th episode.

WEBH, Chicago, Ill. (370.2m-810kc), 7 p. m., Oriole orchestra; 8, marimba band; saxophone quintet; saxophone quartet; Kathryn Forbes, soprano; 9-9:15, news; 9:15-10, Uptown theater; 11, Oriole orchestra; 12:30 a. m., Bernard Weber, tenor; Oriole trombone duo; Mark Fisher, songs.

WENR, Chicago, Ill. (265.3m-1130kc), 6-7 p. m., Rauland lyric trio; 8-9, All-American Pioneers; 9-10, Moody Bible Institute evening hour.

WFAA, Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m., Jimmie Joy's orchestra; 8:30-9:30, Southern Methodist university faculty; bridge game; 11-12 midnight, Dallas Athletic club symphony orchestra.

WDAF, Kansas City, Mo. (365.6m-820kc), 11:45-1 a. m., Nighthawk frolic; Ted Weems' Victor Recording orchestra; Billy Adair's orchestra; Johnnie Campbell's orchestra.

WGBF, Evansville, Ind. (236.1m-1270kc), 8 p. m., musicale.

WGN, Chicago, Ill. (302.8m-990kc), 6:55-7 p. m., Drake concert ensemble; 8-9, WEAF; 9-10, studio program; 10-10:10, Sam 'n' Henry; 10:10, music; 10:20, play shop; 10:40-11, studio ensemble.

WHB, Kansas City, Mo. (365.6m-820kc), 7-7:45 p. m., dinner hour organ concert; 8-9, instrumental music, string quartet; 9-10, popular dance program.

WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., concert, Eddie Rosson and his orchestra; Signor Louis Carosio.

WHO, Des Moines, Iowa (526m-570kc), 7:30-8 p. m., Raleigh quintet; 8-9, musical program; 11-12 midnight, Bankers Life Corn Sugar orchestra.

WHT, Chicago, Ill. (399.8m-750kc), 6 p. m., dinner organ recital, Al Carney; 6:40, Grayling's string trio; 6:50, Diamond quartet, Loftis; 9:15 (238m-1260kc), Cinderella cafe orchestra; 9:35 (399.8m-750kc), Kitchen Klenzer entertainers; 9:50, popular song selections; 12, Pat Barnes.

WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., dinner concert; Chester Newman, baritone; Bernice Taylor, soprano; Charlotte Edwards, contralto; Ruth Flick, reader; Helen Collar, pianist; string trio; 12, jamboree; Ted Fiorito, Dan Russo, Gail Bandell, artists.

WJAD, Waco, Tex. (352.7m-1190kc), 8:30-10 p. m., Mrs. J. L. Staton and friends.

WJAZ, Chicago, Ill. (322.4m-930kc), 9-1 a. m., Club Chez Pierre; Chez Pierre Hawaiian trio; Earl Hoffman's Chez Pierre orchestra.

WJJD, Mooseheart, Ill. (370.2m-810kc), 8-9 p. m., children; 10-11, Garod studio; Rushmore ensemble singers; Palmer House Victorians; 12:30 a. m., Settin' up hour.

WKRC, Cincinnati, Ohio (422.3m-710kc), 10 p. m., Eugene Perazzo, organist; 11, Eddie Schoelwer, pianist; 11:15, Ace Brigode and his Virginians; 11:45, blues and ballads, Marie Turner.

WLIB, Chicago, Ill. (302.8m-990kc), 7:30-8 p. m., WEAF; 11-11:20, Correll and Gosden; 11:20-12:30 a. m., studio ensemble, dance music, harmony duos.

WLS, Chicago, Ill. (344.6m-870kc), 6:40 p. m., Maurie Sherman's College Inn orchestra; 7:15, Chicago Madrigal club.

WLW, Cincinnati, Ohio (422.3m-710kc), 6 p. m., Norrine Gibbons and her girl friend; 6:30, Mrs. R. S. Montgomery, contralto; 7:30, piano memories, Mary Louise Woseczek; 7:50, whistling solos, Frances Sellers; 8, old-time review, Crosley Burnt Corkers; 9, concert program, Formica Insulation company, orchestra.

WMAQ, Chicago, Ill. (447.5m-670kc), 6-7 p. m., Women's World's fair; 8-10, Women's World's fair.

WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon ensemble; Genevieve Burnham, soprano; Hilda Hinricks, cellist; 9-11, Trianon orchestra; Woodlawn theater orchestra; Eugene Plotnik; Oxford Girls; Harmony duo; Eddie Matts, Billie Donovan.

WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., musical program, Noble Crawford; 11, Britling cafeteria orchestra.

WNAD, Norman, Okla. (254.1m-1180kc), 7:20 p. m., Jessie Griffith, vocalist; Earl Barrett, vocalist; Dorothy Monnet, pianist; Lolo June Harrison, violinist; Martha Wimberly, pianist.

WOAI, San Antonio, Texas (394.5m-760kc), 8:30 p. m., Gebhardt Mexican players.

WOAW, Omaha, Nebr. (526m-570kc), 6 p. m., Hugo G. Heyn, xylophonist; 6:30, Peony Park orchestra; 9, program; 10:30, Nightingale orchestra; 12, orchestra.

WOC, Davenport, Iowa (483.6m-620kc), 7-9, WEAF; 10-11, instrumental trio.

WOK, Chicago, Ill. (217.3m-1380kc), 10-1:30 a. m., Tearney's Town Club orchestra; Pershing Palace orchestra; Capitol theater program; program.

WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9-10 p. m., Roche's program, "Ye Olde Tyme Songe Feste." Roy Clark, Claude Lee, Beth Garrison; 10-11, Van Wyck instrumental quartet; 11-12, Bill Dallavo and his orchestra.

WORD, Batavia, Ill. (275.1m-1090kc), 7 p. m., music; reading.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Garden orchestra; Jean Carlson, soprano; Jean St. Anne, baritone; 10-1 a. m., Rainbo Skylarks; Rose Vanderbosch, soprano; Ila Shannabrook, soprano; staff artists; 1-2, Ginger hour.

WRR, Dallas, Tex. (245.8m-1230kc), 6-7 p. m., Jack Gardner's orchestra; 8-9, musical program.

WSAI, Cincinnati, Ohio (325.9m-920kc), 6 p. m., twilight musicale; 7, WEAF; 7:30, studio program; 8, WEAF; 9, new bridge laws; 10, musicale.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., Biltmore hotel orchestra; 10:45, entertainment.

WSM, Nashville, Tenn. (282.8m-1060kc), 10 p. m., frolic, Beasley Smith's orchestra; Edward Stockman, baritone; Jack Egan, Irish tenor.

WSOE, Milwaukee, Wis. (245.8m-1220kc), 9 p. m., classical musical program, Milwaukee County Federation of Women's clubs; 10, Leon Grieb, tenor; instrumental trio; soloists.

WSWS, Chicago, Ill. (275.8m-1090kc), 6 p. m., artists; 8, vocalists, Samovar orchestra; 10, Samovar orchestra, staff artists; 12, studio features, Samovar orchestra; ballads, John Clark.

Mountain Time Stations

CNRR, Regina, Canada (476m-640kc), 8 p. m., studio program.

KFAU, Boise, Idaho (280m-1070kc), 8-10 p. m., program, Mrs. W. McReynolds, artists.

KFXF, Colorado Springs, Colo. (249.9m-1200kc), 8:30 p. m., Mildred Sanderson, pianist; Cleveland Davis, baritone; Tommy Green, baritone; Jack Tucker, tenor.

A GIVES PROGRAM OF GAELIC MUSIC

night be the title of the Moline Plowboys who are emselves by their singing VOC, Davenport. To the KSAI, Grace Raine. To contralto of WGN. Miss ll" Saturday.
Ryan Photo by Drake Studio.

Wednesday, April 21

Headliners Today

Eastern	Central	Mountain	Pacific
8 p. m.	7 p. m.	6 p. m.	5 p. m.

WBZ (333.1m-900kc) Hampden quartet.
WJZ (454.3m-660kc) Imperial Imps.
WTIC (475.9m-630kc) Arcadia Ladies' quartet.

9:15	8:15	7:15	6:15

WHO (526m-570kc) Four Musketeers.

10:30	9:30	8:30	7:30

KTHS (374.8m-800kc) Indian music.

11	10	9	8

WOS (440.9m-680kc) Dulcimer soloist.

Wednesday, silent night for: CHIC, CKAC, CKNC, CNRA, CNRC, CNRE, CNRM, CNRR, CNRT, CNRV, KFAU, KFXF, KGO, KLDS, KMMJ, KOB, KOIL, KPSN, KSAC, KTAB, KUOA, WABQ, WAIU, WBAL, WBAP, WBBR, WCAL, WCBD, WEBW, WFAA, WGBF, WGBS, WGCP, WHAR, WHAZ, WIP, WJAD, WJAZ, WLWL, WMC, WOAI, WOAW, WOI, WPG, WRC, WRR.

Eastern Time Stations

CNRM, Montreal, Canada (410.7m-730kc), 8:30 p. m., instrumental music night, concert orchestra; W. Stevenson, baritone; Herve Baillargeon, flutist; G. Markowski, violinist.

CNRO, Ottawa, Canada (435.8m-688kc), 8 p. m., Chateau Laurier concert orchestra; 9, Madame Milville Belleau, pianist; Miville Belleau, bass; Emile Boucher, tenor; Madame Emile Boucher, soprano; Chateau Laurier dance orchestra.

KDKA, Pittsburgh, Pa. (309.1m-970kc), 6:30 p. m., dinner concert; 8:30, Fire Brigade orchestra.

WAHG, Richmond Hill, N. Y. (315.6m-945kc), 7:45 p. m., Jimmy Smith, banjoist; 8, Michael Lamberti, cellist; 8:15, Conrad Schelcher, flutist; 8:30, Michael Lamberti, cellist; Edythe Lamberti, soprano; 9, Conrad Schelcher, flutist; 9:15, studio program; 10:02, Milton Schwartz, violinist; Milton Katz, pianist; 10:30, Colonial dance orchestra.

WBZ, Springfield, Mass. (333.1m-900kc), 6:30 p. m., Hotel Kimball trio; 6:45, Hotel Lenox ensemble; 7, Hotel Kimball trio; 8, Hampden male quartet; 9, WBZ concert company.

WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert, William Penn hotel; 8, WEAF; 8:30, WEAF; 9, studio concert; 10, Kramer's orchestra.

WCAP, Washington, D. C. (468.5m-640kc), 7-11 p. m., WEAF.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30 p. m., recital, Henry Hotz, bass; Virginia Klein, pianist; 8:10, Joe Murphy, "pianophiend"; 8:30, Clarence Seaman and his Hotel Pennsylvania orchestra; 9, Helen Travis Hoel, soprano; 9:25, Ruppert and McCullough, banjoists; 9:45, Maurice Patton, tenor; Harry Reudy, baritone; 10:10, Rogers and Chapman, harp and harmonica; 10:30, Carl Zoehrns, Louis Hirscher, songs; 10:45, Frank Cook, old-time songs; 11, Arthie Bittong Cheer-up club.

WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., Goldkette ensemble; 8-9, studio program.

WEAF, New York, N. Y. (491.5m-610kc), 4-12 midnight, Parnassus string trio; Elizabeth Smyth, soprano; Vincent Lopez and his orchestra; Chamber Musicale; Shinola Merrymakers; Davis Saxophone octet; Ipana Troubadours; Hughie Barrett and his orchestra.

WEAO, Columbus, Ohio (293.9m-1020kc), 8:15 p. m., music; 9, orchestra.

WEAR, Cleveland, Ohio (389.4m-770kc), 7 p. m., Hotel Cleveland orchestra.

WEBJ, New York, N. Y. (272.6m-1100kc), 8 p. m., Raymond orchestra; 8:45, Joseph Turkel, tenor; 9, Milton Yokeman, tenor; 9:15, Alfred Dulin, concert pianist; 9:30, McLean's dance orchestra.

WEEI, Boston, Mass. (348.6m-860kc), 6:13 p. m., Joe Rines and his Hunters Cabin orchestra; 8-11, musicale.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra.

WGHB, Clearwater, Fla. (265.3m-1130kc), 6:30-7:30 p. m., dinner music; 8:30-9:30, Rex Danzler, tenor; Marian Hoffman, pianist; 11:45-1 a. m., Graham Prince and his orchestra.

WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., Gospel Melodists; 8, WEAF; 10, E. A. Wills Wallpaper and Paint stores program; 10:30, H. C. Weasner popular program; 11, Club Royale orchestra.

WGY, Schenectady, N. Y. (379.5m-790kc), 7 p. m., Eastman theater, WHAM; 8:05, WHAM.

WHN, New York, N. Y. (361.2m-830kc), 7:30 p .m., organ recital; 8, Vogue entertainers; 9:10, orchestra; 10:30, Anatol Friedland; 11, orchestra; 12, Cotton Club orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 7, pupils, Louis Sterret Hazel studio.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Petite symphony; 7:45, Goodwill; 9, Jean Goldkette's orchestra; 11, organ; 12, Jewett Jesters.

WLIT, Philadelphia, Pa. (394.5m-760kc), 8:30 p. m., Progress Points; 10, Arcadia cafe dance orchestra; 10:45, El Patio dance orchestra.

WMAK, Buffalo, N. Y. (265.3m-1130kc), 7:30 p. m., Harry Jackson, tenor; 8-8:30, George Hurst, violinist; Mrs. Sexsmith, pianist; 8:30-9:30, musicale; 9:30-10, Mrs. Gertrude Zimmerman.

WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Hotel McAlpin string ensemble; 6:30, orchestra; 9, Mamaroneck night; 10:30, Creole Follies; 11, Hofbrau Haus entertainers; 11:30, Jack Denny's orchestra; 12 midnight, entertainers; 12:15, Parody orchestra.

WNYC, New York, N. Y. (526m-570kc), 7:45 p. m., songs; 8:15, piano; 9, debate.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Ritz-Carlton orchestra; 8, WEAF; 9:25, Rev. Forest Dagar; 10, Fox theater studio program; 10:30, Sylvania dance orchestra.

WOR, Newark, N. J. (405.2m-740kc), 6:30 p. m., Jacques Jacobs' Hotel Shelton ensemble; 7:30, Zit's Central Park Casino orchestra; 9, Gertner's string quartet; 11, Billy Rose's 5th Avenue club orchestra.

WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., dinner concert, Speed-Wagon Serenaders; Gold Standard ensemble.

WRVA, Richmond, Va. (256.3m-1170kc), 8:20 p. m., Mayflower orchestra; 9:15, orchestra; 9:30, H. Pratt, pianist; 10:15, organ recital, Ernest Cosby; 11:15, Carry Me Back to Old Virginny.

WTAG, Worcester, Mass. (268m-1120kc), 8-9 p. m., WEAF; 9-10, Centurian orchestra; 10-11, WEAF.

WTIC, Hartford, Conn. (475.9m-630kc), 6:30 p. m., Bond trio; 8, Clef male quartet; Arcadia Ladies quartet; 9:15, Laura C. Gaudet, pianist; Esther A. Nelson, organist.

WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 8, News orchestra; 9, dance program; 10, WEAF.

Central Time Stations

CKY, Winnipeg, Canada (384.4m-780kc), 7:30-11 p. m., Canadian National Railway's program.

CNRW, Winnipeg, Canada (384.4m-780kc), 7:50 p. m., musical program, Ft. Garry hotel orchestra; 8:50, Helen Tennent, soprano; Norrie Duthie, contralto; W. Anderson, tenor; A. Diehl, tenor; F. Hughes, baritone; 10, supper dance program, Ft. Garry hotel orchestra.

KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., dinner concert; 8:30-10:30, request night, staff artists.

KFKX, Hastings, Nebr. (288.3m-1040kc), 9 p. m., Lincoln, Nebr., program.

KFMX, Northfield, Minn. (336.9m-890kc), 9-10 p. m., musicale.

KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., concert.

KFRU, Columbia, Mo. (499.7m-600kc), 9 p. m., musical program.

KMA, Shenandoah, Ia. (252m-1190kc), 6-7 p. m., popular music; 9-11, songs and clog dancing, Bob and Babe Riddle; Willy Cunningham, farmer Scotchman.

KMOX, St. Louis, Mo. (280.2m-1070kc), 6 p. m., Arthur Utt, organist; 6:30, Mrs. Jacques Landree, organist; 7, orchestra; 8, Mrs. Henry Bowden, pianist; orchestra; 9, Missouri theater orchestra, song cycle; 10, dance music.

KPRC, Houston, Texas (296.9m-1010kc), 6:30 p. m., Harold Oxley's Warwick hotel orchestra; 7:30, Jack Willrich's orchestra; Virginia Willrich, piano accordionist; 8:45, Frank Tilton, boy pianist; 10:30, Vaughan's Virginians.

KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., WEAF; 7:30, Hotel Statler orchestra; 8, WEAF.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9-9:15 p. m., Lawson Reid, organist; 9:15-9:30, Violet Belding, contralto; 9:30-10, Indian music; 10-10:45, Southerners orchestra.

KYW, Chicago, Ill. (535.4m-560kc), 6-6:15 p. m., KDKA; 6:30-7, orchestra; 7:30, half hour of music; 9, Edison company; 10, revue.

WADC, Akron, Ohio (285.5m-1160kc), 6:30 p. m., Hotel Portage quintet.

WAMD, Minneapolis, Minn. (243.8m-1230kc), 7:05 p. m., Hartman Twins, Frank and Earnest; 7:10, classical program, quartet; Evan Nelson, banjoist; Cedric Cady, violinist; Bob Adams, saxophonist; Walter Finke, pianist; 11, Skyrocket frolic.

WBAP, Fort Worth, Texas (475.9m-630kc), 6-6:30 p. m., Texas hotel orchestra.

WBBM, Chicago, Ill. (225.4m-1330kc), 8-10 p. m., Barber Shop quartet; Billy Spears, tourist bureau; 9-9:15, old song period; Philip Nilles, tenor; Floyd Fulch; 12-2 a. m., Alemite orchestra; Harold Anderson, accordionist; Sy Berg, Bob Witt.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 7 p. m., WEAF; 8, WEAF; 9, Nash Finch concert orchestra; 10:05, Wallie Erickson's Coliseum orchestra; 11:30, organ recital, Eddie Dunstedter.

WDAF, Kansas City, Mo. (365.6m-820kc), 8-9 p. m., Park college glee club; 9-10, classical musical program; Mrs. J. Lobb, soprano; Star's orchestra; 11:45-1 a. m., Nighthawk frolic.

WEBH, Chicago, Ill. (370.2m-810kc), 7 p. m., Oriole orchestra; 8, Oriole string trio; 9-9:15, news flashes; 9:15-10, Frank Bordner, songs; Florence Behrend, soprano; 11-12:30 a. m., Oriole orchestra; Florence Behrend, impromptu review; Bernice Follis; Oriole orchestra.

WENR, Chicago, Ill. (265.3m-1130kc), 6-7 p. m., Rauland lyric trio; 8-10, All-American Pioneers; 12-2 a. m., All-American Pioneers.

WGN, Chicago, Ill. (302.8m-990kc), 6:55-7 p. m., Drake concert ensemble, Blackstone string quintet; Music; 8-9, studio program; 10:20, play shop; 10:40-11, studio ensemble.

WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., Jake Seligman and his Kentucky Night Owls.

WHB, Kansas City, Mo. (365.6m-820kc), 7-8 p. m., Henry Klotz and Peggy Nash, songsters.

WHO, Des Moines, Iowa (526m-570kc), 6-7 p. m., Bankers Life symphonic orchestra; 7:15-8:15, Irene Doran and her Little symphony orchestra, 8:15-9, Dr. and Mrs. H. Hurd, Hawaiian guitarists; Four Musketeers; 9-12 midnight, dance program.

WHT, Chicago, Ill. (399.8m-750kc), 6 p. m., Bernice Taylor, soprano; Hugh Aspinwall; 7:45-9:15, Cinderella cafe orchestra; 9:30, Al Carney and Pat Barnes; 10:05, Ray-O-Vac concert; 11:15, Cinderella cafe orchestra; 11:30, Pat Barnes and Al Carney; 12, Pat Barnes and Al Carney.

WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., dinner program; Charles Champlin, baritone; H. Miller, tenor; 10-12, popular program; Elsie Orr, soprano; Melody Strummers.

WJAD, Waco, Tex. (352.7m-1190kc), 8:30-10 p. m., Methodist Orphans' home program.

WJAZ, Chicago, Ill. (322.4m-930kc), 9-1 a. m., Opera club; "Spike" Hamilton's orchestra; Johnny Mulaney's Bluejackets.

WJJD, Mooseheart, Ill. (370.2m-810kc), 8-9 p .m., Mooseheart children; 10-11, Isabel Defaut, Simeon Oliver, Palmer House Victorians; 12:30 a. m., Settin' Up hour.

WLIB, Chicago, Ill. (302.8m-990kc), 7:30-7:50 p. m., Auld Sandy; 7:50-8, musical program; 11-11:20, Correll and Gosden; 11:20-12:30 a. m., studio ensemble, dance music, harmony duos.

WLS, Chicago, Ill. (344.6m-870kc), 6:40 p. m., Maurie Sherman's College Inn orchestra; 7:30, Ralph Emerson, organist; 8, "Morning of the Year"; 9, U. of Chicago glee club; 9:30, WLS trio; 10, popular music program; 11-1, WLS circus.

WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., Hotel Gibson orchestra; Thorobred trio; entertainers; 11, Latonia Melody Boys; 11:15, organ request program, Johanna Grosso.

WMAQ, Chicago, Ill. (447.5m-670kc), 6-7 p. m., Women's World's fair; 8-10, Women's World's fair.

WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Eleanor Kaplan, violinist; Preston Graves, pianist; Edwin House, baritone; 9-11, Trianon orchestra; Woodlawn theater orchestra; Eugene Plotnik, Scotty Welch, Madison Sisters; Eddie Wallace, tenor.

WNAD, Norman, Okla. (254.1m-1180kc), 7:40 p. m., Josephine Luttrell, pianist; Dick Holt, banjoist; Bill Dougherty, guitarist.

WOAI, San Antonio, Texas (394.5m-760kc), 8:30 p. m., Fort Sam Houston.

WOC, Davenport, Iowa (483.6m-620kc), 7-7:30 p. m., WEAF; 9-9:30, Earl Ferris Nursery trio; 9:30-10:30, Erwin Swindell, organist.

WOK, Chicago, Ill. (217.3m-1380kc), 10 p. m.,-1:30 a. m., Tearney's Town club orchestra; Pershing Palace orchestra; Capitol theater program; program.

WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9 p. m.-12 midnight, popular program, Sixteen Fingered Paul, Moke Marrin, artists; Bill Dallavo and his orchestra.

WORD, Batavia, Ill. (275.1m-1090kc), 7 p. m., North

FARMERS' PROGRAMS INDEX

Farmer Dinner Concerts

Daily Except Sunday

CENTRAL TIME
KFNF, 12:15-1:35 p. m.
KMA, 11:30-12:30
KSO, 12:30-1:30 p. m.
WLS, 12 noon.

Saturday, April 17

Eastern	Central	Mountain	Pacific
1 p. m.	12 noon	11 a. m.	10 a. m.

KPRC (296.9m-1010kc) Farmers' educational and musical program.

1:45	12:45 p. m.	11:45	10:45

WOI (270m-1110kc) Soils, questions and answers.

8	7	6 p. m.	5 p. m.

KDKA (309.1m-970kc) Farm program.

9:30	8:30	7:30	6:30

KFAU (280.2m-1070kc) Agricultural talk, question box.

Sunday, April 18

Eastern	Central	Mountain	Pacific
3:30 p. m.	2:30 p. m.	1:30 p. m.	12:30 p. m.

WFAA (475.9m-630kc) Sunday hour for farmers.

Monday, April 19

Eastern	Central	Mountain	Pacific
12 noon	11 a. m.	10 a. m.	9 a. m.

WRC (468.5m-640kc) Fifty Farm flashes.

1:15 p. m.	12:15 p. m.	11:15	10:15

WOC (483.6m-620kc) "It Pays to Dodge the Round Worm."
WEAO (293.9m-1020kc) Timely Economic Information for the farmer, C. J. West.

1:45	12:45	11:45	10:45

WOI (270m-1110kc) "Why the Nation Observes Forest Protection Week."
WMAQ (447.5m-670kc) Radio farm school.

7	6	5 p. m.	4 p. m.

WGY (379.5m-790kc) Agricultural program.
WPG (299.8m-1000kc) "Baby Chicks and Their Care."

7:10	6:10	5:10	4:10

WEAO (293.9m-1020kc) "Fruits—Scale, Scat and Worms."

7:45	6:45	5:45	4:45

KFXF (288.3m-1040kc) "It Pays to Dodge the Round Worm."
WSOE (246m-1220kc) Hog Raising.

8	7	6	5

WOS (440.9m-680kc) Livestock questions and answers.

8:30	7:30	6:30	5:30

KUOA (299.8m-1000kc) Farm Filosofy, Cy Adams.
WMC (499.7m-600kc) Farm talk.

8:45	7:45	6:45	5:45

WCCO (416.4m-720kc) "Alfalfa—Sweet Clover."
WOI (270.1m-1110kc) "The Farmer and Fire Protection Week."
WTIC (475.9m-630kc) "Getting a Better Hay Crop This Year."

9	8	7	6

WOS (440.9m-680kc) "Putting Wool in Shape to Sell."

9:30	8:30	7:30	6:30

KOB (248.6m-860kc) "Horticulture."
KOAC (280.2m-1070kc) Agricultural question box. "Developing a Dairy Herd."

10:30	9:30	8:30	7:30

WOAC (280.2m-1070kc) "Farm Concrete Construction."

10:45	9:45	8:45	7:45

KOAC (280.2m-1070kc) "Oregon's Agricultural Situation."

11:05	10:05	9:05	8:05

KGO (361.2m-830kc) "Rebuilding the Forests."

Tuesday, April 20

Eastern	Central	Mountain	Pacific
12 n.	11 a. m.	10 a. m.	9 a. m.

WRC (468.5m-640kc) Fifty Farm flashes.

1:15 p. m.	12:15 p. m.	11:15	10:15

WOC (483.6m-620kc) "Answers to Some of Your Poultry Problems."

Eastern	Central	Mountain	Pacific
1:45 p. m.	12:45 p. m.	11:45 a. m.	10:45 a. m.

WMAQ (447.5m-670kc), Radio farm school.
WOI (270m-1110kc) "Animal Husbandry."

8	7	6 p. m.	5 p. m.

KFKX (288.3m-1040kc) "Internal Poultry Parasites."
KFRU (399.8m-750kc) "The Use of Lime on Spring Planted Crops."

8:33	7:33	6:33	5:33

KYW (535.4m-560kc) American Farm Bureau Federation.

9:30	8:30	7:30	6:30

KOA (322.4m-930kc) Farm question box.

Wednesday, April 21

Eastern	Central	Mountain	Pacific
12 noon	11 a. m.	10 a. m.	9 a.m.

WRC (468.5m-640kc) Fifty farm flashes.

1:15 p. m.	12:15 p. m.	11:15	10:15

WOC (483.6m-620kc) "Summer Water Supply."

1:30	12:30	11:30	10:30

WFAA (475.9m-630kc) Sears-Roebuck Agricultural program.

1:45	12:45	11:45	10:45

WMAQ (447.5m-670kc) Radio Farm school.
WOI (270m-1110kc) Poultry husbandry.

8	7	6 p. m.	5 p. m.

WOS (440.9m-680kc) Evening market hour, poultry questions and answers.

9	8	7	6

WHA (535.4m-560kc) "Home Ground Trees."

10:15	9:15	8:15	7:15

KWSC (348.6m-860kc) "Improving the Lawn." "The Value of Soil and Crop Demonstration."

Thursday, April 22

Eastern	Central	Mountain	Pacific
12 noon	11 a. m.	10 a. m.	9 a.m.

WRC (468.5m-640kc) Fifty farm flashes.

1:15 p. m.	12:15 p. m.	11:15	10:15

WOC (483.6m-620kc) "Alfalfa—Culting."

1:45	12:45	11:45	10:45

WMAQ (447.5m-670kc) Radio farm school.
WOI (270m-1110kc) Farm crops.

8	7	6 p. m.	5 p. m.

KFKX (288.3m-1040kc) "Cutting Alfalfa—When, Why and Where."

8:30	7:30	6:30	5:30

WOI (270m-1110kc) "The Farm Fixit Shop."

8:33	7:33	6:33	5:33

KYW (535.4m-560kc) American Farm bureau.

9:30	8:30	7:30	6:30

KOA (322.4m-930kc) Farm question box.

Friday, April 23

Eastern	Central	Mountain	Pacific
12 noon	11 a. m.	10 a. m.	9 a.m.

WRC (468.5m-640kc) Fifty Farm flashes.

1:15 p. m.	12:15 p. m.	11:15	10:15

WOC (483.6m-860kc) Special Farm Service Day.
KTHS (374.8m-800kc) Farmers' Radio Chautauqua.

1:45	12:45	11:45	10:45

WOI (270m-1110kc) Agricultural Economics.

8	7	6 p. m.	5 p. m.

KFKX (288.3m-1040kc) Special Farm Service Day.
KFRU (399.8m-750kc) "Draining Fields to Increase Their Productivity."
WOS (440.9m-680kc) Evening Market hour, Dairy questions and answers.

8:15	7:15	6:15	5:15

KSO (242m-1240kc) Farm talk.

8:30	7:30	6:30	5:30

WOC (483.6m-620kc) Question box.

9:05	8:05	7:05	6:05

WOS (440.9m-680kc) "Corn in Missouri."

10:15	9:15	8:15	7:15

KWSC (348.6m-860kc) "Certified Seed Potatoes and How to Buy Them." "Year's Honey Crop Dependent on Spring Work."

Pacific Time Stations

CNRV, Vancouver, Can. (291.1m-1080kc), 8:30 p. m., studio program; Charles Marsh, pianist; Jessie Beldon, cellist; B. Morgan, violinist; Gordon Marsh, violinist; Mrs. Hazen Phillips, vocalist; 10:30, Cabaret Belmont orchestra; Bebe Mullar, soprano.

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Chinese Gardens orchestra; 8-9, screen artists' string quartet; 9-10, program, A. V. Shotwell corporation; 10-11, Packard Ballad hour.

KFON, Long Beach, Calif. (232.4m-1280kc), 8-9 p. m., Press-Telegram studio; 9-11, Long Beach Aero club frolic.

KFWB, Hollywood, Calif. (252m-1190kc), 6:30-7:30 p. m., Pontiac Six Dinner hour; 8-9, Patrick-Marsh dance orchestra; Betty Patrick, soloist; 9-10, Guzman trio; 10-11, Warner Brothers frolic.

KGO, Oakland, Calif. (361.2m-830kc), 8-9 p. m., Eveready program; Mishel Piastro, violinist; Lev Shorr, pianist; 9:10-10, Berneice Giffen, soprano; Walker Sisters; Al Rosa, baritone; Ladies' quartet; Triple male quartet; Frances Minton, accompanist; 10-12 midnight, dance music, Madson's Midshipmen.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., Olds, Wortman and King company; 8-10, Alicia McElroy quartet; 10-12, Herman Kenin's dance orchestra.

KHJ, Los Angeles, Calif. (405.2m-740kc), 8-10 p. m., de luxe program featuring Frederick MacMurray, viola.

KJR, Seattle, Wash. (384.4m-780kc), 7-8:30 p. m., musical program, Cornish artistic ensemble; 8:30-10, Puget Sound Savings and Loan association orchestra.

KMTR, Hollywood, Calif. (238m-1260kc), 6-7 p. m., Starr Piano company studio; 7:45, Hollywood community sing; 8:30-10, KMTR concert orchestra.

KNX, Hollywood, Calif. (336.9m-890kc), 6:30-7 p. m., Atwater Kent concert orchestra; 7-7:45, program, Geo. E. Read, Inc.; 8-9, Killgrove's Junior symphony; 9-10, Jack Cronshaw's orchestra; 10-12 midnight, Ambassador hotel dance orchestra.

KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7 p. m., States restaurant orchestra; 7-7:30, Rudy Seiger's orchestra; 8-9, studio program; 9-10, Mona Motor Oil company's program; harmony team, Gypsy and Marta; trio; 10-11, Palace hotel dance orchestra.

KPSN, Pasadena, Calif. (315.6m-950kc), 8-9 p. m., Star-News concert hour; Adolf Tandler instrumental group.

KTAB, Oakland, Calif. (239.9m-1250kc), 8-10 p. m., Mills college.

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra.

KDKA LITTLE SYMPHONY ORCHESTR

CLAS

Saturday

Eastern Central
6 p. m. 5 p. m.
WCX, WEAF, WMCA,
7 6
KGO, KYW, WEAR,
WOAW, WOK, WRC
8 7
KDKA, KFNF, KOIL
WGN, WMBB, WNY
9 8
KFOA, KPRC, KHJ,
WLW, WORD, WSAI
10 9
KNX, KYW, WEAF,
WOC, WORD.
11 10
KGO.
12 m 11
WOAW.

Sunday,

Eastern Central
6 p. m. 5 p. m.
WCAU.
7:20 6:20
WCAE, WCAU, WEAF
WTAG, WWJ.
8 7
KYW, WAMD, WBZ,
WKAQ, WLS, WORI
9 8
KFDM, KPRC, KSD,
WCCO, WEAR, WGY
WQJ.
9:15 8:15
WEEI, WJAR, WTAG
10 9
KHJ, KNX, KTHS,
WNYC, WOC, WQJ,
11 10
KFVE, KHJ, KNX, K
WKRC, WOC.
12 m 11
KHJ, KNX, WOC.
1 a. m. 12 m
KNX.

Monday

Eastern Central
6 p. m. 5 p. m.
KGO, WCX, WEAF, \
7 6
KMA, WCCO, WEAF,
WOAW, WOK.
8 7
KFNF, KSD, WBBR
WHAR, WHT, WJAI
WTIC.
9 8
KFOA, KGO, KHJ,
WBZ, WCAE, WEE
WLW, WORD, WOS
10 9
KMA, KPO, KPRC,
WCCO, WEAF, WHA
WTAG.
11 10
KGW, KHJ, KMA, KS
WSAI.
12 m 11
KGW, WBAP, WSAI.
1 a. m. 12 m
KHJ.

Tuesday

Eastern Central
6 p. m. 5 p. m.
WBZ, WCX, WEAF,
7 6
KGO, KMA, WEAR,
WJR, WMAQ, WOA
WWJ.
8 7
KFNF, KSD, KYW,
WCX, WEAR, WEI
WLS, WMBB, WQJ

Tuesday, April

Headliners Toda

Eastern Central Mountain
8 p. m. 7 p. m. 6 p. m.
KFNF (263m-1140kc) Hawaiian concert
8:30 7:30 6:30
WHAS (399.8m-750kc) Zoeller's Melod
WJZ, (454.3m-660kc), WGY (379.5m-7
Pearl hour.
9 8 7
KDKA (309.1m-970kc) Girls' Glee clul
KMOX (280.2m-1070kc) "In a Persian
9:30 8:30 7:30
WBZ (333.1m-900kc) Strathmore quart
WIP (508.2m-590kc) Balcony scene,
Bergerac."
10 9 8
WOOD (241.8m-1240kc) Ye Olde Time
11 10 9
KGO (361.2m-830kc) Eveready program
WOC (483.6m-620kc) Instrumental trio
WTIC (475.9m-630kc) Patriotic Day pr
11:05 10:05 9:05
WCCO (416.4m-720kc) "A Step On th
12:45 a. m. 11:45 10:45
WKRC (422.3m-710kc) Blues and Ball

Tuesday, silent night for: CFCA, CHIC, CNRE, CNRM, CNRO, CNRT, CNRW, KFWA, KOA, KOAC, KOB, KOWW, KTAB, KWSC, KYX, WABQ, WAHG, WBBR, WCAL, WCAP, WEMC, WGCP, WJAZ, WKAF, WLWL, WMAK, WMA WRVA, WSMB, WSUI, WTAM, WTIC.

Eastern Time Statio

CNRA, Moncton, Canada (312.3m-960kc), phony quartet; Roberta Spender, pia Duchemin, mezzo-soprano; Mrs. H. Lal R. McNeill, soprano; 10, CNRA orche

KDKA, Pittsburgh, Pa. (309.1m-970kc) dinner concert; 8:30, sacred song half glee club, Pikeville college; 11:35, Gra.

WBAL, Baltimore, Md. (245.8m-1220kc), p. m., Hotel Lenox ensemble; 7:15, Hotel R.. trio; 8, French-English program; 9, William L. S, tal, tenor; 9:15, Katherine Gravelin, pianist; 9:. Strathmore male quartet.

WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert, William Penn hotel; 8-11, WEAF; 11:05, Kenyon theater.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:30 p. m., Snellenburg instrumental trio; 8.10, Three Brothers, 8:25, Peter Ricci, baritone; Virginia Klein, pianist; 8:45, Charles Higgins and Joe Burke, popular songs; 9, Robert Fraser, blind gospel singer; 9:30, Esther Lawrence and players; 10, Eddie Malle and Danny Dougherty, songs; 10:30, Billy Hays and his Cathay Tea Garden dance orchestra.

WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., Goldkette ensemble; 10-2 a. m., Red Apple club.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Adelphia French Room orchestra.

WPG, Atlantic City, N. J. (299.8m-1000kc), 6:45 p. m., organ recital, Arthur Brook; 7, Hotel Morton dinner music; 8, Plaza hotel artists; Cecile Steiner, violinist; Margaret Irwin, pianist; Margaret Mancill, contralto; 8:30, Million Dollar Pier dance orchestra, Katz and His Kittens; 9, Chalfonte-Haddon hall dual trio; 10, Hotel Traymore Grill dance orchestra; 11, Katz and His Kittens; 11:30, Silver Slipper supper club dance orchestra.

WRC, Washington, D. C. (468.5m-640kc), 7:30 p. m., U. S. Marine band orchestra WJZ, WGY; 8:30, WJZ; 9 music; 10, WJZ; 10:30, Hotel Mayflower orchestra.

WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., [illegible]

WHT, Chicago, Ill. (399.8m-750kc), 6 p. m., dinner organ recital, Al Carney; 6:40, Grayling's string trio; 6:50, Diamond quartet, Loftis; 9:15 (238m-1260kc), Cinderella cafe orchestra; 9:35 (399.8m-750kc), Kitchen Klenzer entertainers; 9:50, popular song selections; 12, Pat Barnes.

WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., dinner concert; Chester Newman, baritone; Bernice Taylor, soprano; Charlotte Edwards, contralto; Ruth Flick, reader; Helen Collar, pianist; string trio; 12, jamboree; Ted Fiorito, Dan Russo, Gail Bandell, artists.

WJAD, Waco, Tex. (352.7m-1190kc), 8:30-10 p. m., Mrs. J. L. Slaton and friends.

WJAZ, Chicago, Ill. (322.4m-930kc), 9-1 a. m., Club [illegible] mental trio; soloists.

WSWS, Chicago, Ill. (275.8m-1090kc), 6 p. m., artists; 8, vocalists, Samovar orchestra; 10, Samovar orchestra, staff artists; 12, studio features, Samovar orchestra; ballads, John Clark.

Mountain Time Stations

CNRR, Regina, Canada (476m-640kc), 8 p. m., studio program.

KFAU, Boise, Idaho (280m-1070kc), 8-10 p. m., program, Mrs. W. McReynolds, artists.

KFXF, Colorado Springs, Colo. (249.9m-1200kc), 8:30 p. m., Mildred Sanderson, pianist; Cleveland Davis baritone; Tommy Green, baritone; Jack Tucker, tenor

KDKA LITTLE SYMPHONY ORCHESTRA GIVES PROGRAM OF GAELIC MUSIC

CLASSICAL CONCERTS INDEX

Saturday, April 17
Eastern 6 p. m. — Central 5 p. m. — Mountain 4 p. m. — Pacific 3 p. m.
WCX, WEAF, WMCA, WREO.
7 — 6 — 5 — 4
KOO, KYW, WEAR, WENR, WMAQ, WNYC, WOAW, WOK, WRC.
8 — 7 — 6 — 5
KDKA, KFNF, KOIL, KSD, KYW, WBBR, WGN, WMBB, WNYC, WOAW, WQJ.
9 — 8 — 7 — 6
KFOA, KPRC, KHJ, KYW, WHAS, WIP, WLW, WORD, WSAI, WSOE.
10 — 9 — 8 — 7
KNX, KYW, WEAF, WMAQ, WMC, WOAW, WOC, WORD.
11 — 10 — 9 — 8
KGO.
12 m — 11 — 10 — 9
WOAW.

Sunday, April 18
Eastern 6 p. m. — Central 5 p. m. — Mountain 4 p. m. — Pacific 3 p. m.
WCAU.
7:20 — 6:20 — 5:20 — 4:20
WCAE, WCAU, WEAF, WEAR, WEEI, WJAR, WTAG, WWJ.
8 — 7 — 6 — 5
KYW, WAMD, WBZ, WEAR, WGBS, WGCP, WKAQ, WLS, WORD.
9 — 8 — 7 — 6
KFDM, KPRC, KSD, WBZ, WCAU, WCBD, WCCO, WEAR, WGY, WHAR, WHT, WNYC, WQJ.
9:15 — 8:15 — 7:15 — 6:15
WEEI, WJAR, WTAG.
10 — 9 — 8 — 7
KHJ, KNX, KTHS, KYW, WCCO, WFAA, WNYC, WOC, WQJ, WSOE.
11 — 10 — 9 — 8
KFVE, KHJ, KNX, KPO, KTHS, KYW, WHN, WKRC, WOC.
12 m — 11 — 10 — 9
KHJ, KNX, WOC.
1 a. m. — 12 m — 11 — 10
KNX.

Monday, April 19
Eastern 6 p. m. — Central 5 p. m. — Mountain 4 p. m. — Pacific 3 p. m.
KGO, WCX, WEAF, WMCA, WREO, WWJ.
7 — 6 — 5 — 4
KMA, WCCO, WEAF, WEAR, WHAD, WJR, WOAW, WOK.
8 — 7 — 6 — 5
KFNF, KSD, WBBR, WBZ, WCAU, WCX, WHAR, WHT, WJAR, WLW, WMBB, WTAG, WTIC.
9 — 8 — 7 — 6
KFOA, KGO, KHJ, KPRC, WBBR, WCCO, WBZ, WCAE, WEEI, WHAD, WHO, WJAR, WLW, WORD, WOS.
10 — 9 — 8 — 7
KMA, KPO, KPRC, KSD, KTHS, WAMD, WCCO, WEAF, WHAD, WJAR, WOAW, WSUI, WTAG.
11 — 10 — 9 — 8
KOW, KHJ, KMA, KSD, KTHS, KWSC, WHN, WSAI.
12 m — 11 — 10 — 9
KOW, WBAP, WSAI.
1 a. m. — 12 m — 11 — 10
KHJ.

Tuesday, April 20
Eastern 6 p. m. — Central 5 p. m. — Mountain 4 p. m. — Pacific 3 p. m.
WBZ, WCX, WEAF, WMCA, WREO, WWJ
7 — 6 — 5 — 4
KGO, KMA, WEAR, WEBJ, WGBS, WHAD, WJR, WMAQ, WOAW, WOK, WOR, WTIC, WWJ.
8 — 7 — 6 — 5
KFNF, KSD, KYW, WBZ, WCAE, WCAU, WCX, WEAR, WEEI, WOR, WHAR, WHT, WLS, WMBB, WQJ, WRC, WTIC.
Eastern 9 p. m. — Central 8 p. m. — Mountain 7 p. m. — Pacific 6 p. m.
KFDM, KFOA, KGO, KHJ, KLDS, KYW, WCAE, WCBD, WCCO, WEAF, WEEI, WOR, WHAS, WJAR, WLW, WMAQ, WOC, WORD, WTAG.
10 — 9 — 8 — 7
KFAB, KFDM, KFUO, KMA, KNX, KPRC, KTHS, WCAE, WCCO, WEAF, WEAR, WEEI, WLW, WMCA, WOC, WSAI, WSOE, WTAG.
11 — 10 — 9 — 8
KGO, KHJ, KMA, KYW, WSAI.
12 m — 11 — 10 — 9
KPO, KYW, WHO, WMC.

Wednesday, April 21
Eastern 6 p. m. — Central 5 p. m. — Mountain 4 p. m. — Pacific 3 p. m.
WCX, WEAF, WMCA, WREO, WWJ.
7 — 6 — 5 — 4
KGO, WEAR, WHAD, WJR, WMAQ, WOK, WTIC.
8 — 7 — 6 — 5
KFNF, KPRC, KSD, KYW, WAMD, WBZ, WCX, WEAF, WEEI, WHT, WLW, WMBB, WMCA, WQJ, WTAG, WWJ.
9 — 8 — 7 — 6
KFOA, KGO, KPRC, KSD, KYW, WBZ, WCCO, WDAF, WEEI, WOR, WHAD, WHAS, WJAR, WMAQ, WOR, WOS, WORD.
10 — 9 — 8 — 7
KFMX, KMA, KNX, KTHS, WAMD, WCCO, WEAF, WEEI, WOR, WHAD, WJAR, WLS, WMAQ, WNYC, WOC, WSOE.
11 — 10 — 9 — 8
KGO, KOW, KMA, KPO, KTHS, WCAE, WLS, WLW, WOC, WSAI.
12 m — 11 — 10 — 9
KOW, KPO, WHAD, WLW.
1 a. m. — 12 m — 11 — 10
WLW.

Thursday, April 22
Eastern 6 p. m. — Central 5 p. m. — Mountain 4 p. m. — Pacific 3 p. m.
WBZ, WCX, WEAF, WIP, WMCA, WREO, WWJ.
7 — 6 — 5 — 4
KGO, KSD, WEAF, WEAR, WGBS, WHAD, WJR, WMAQ, WOAW, WOK, WWJ.
8 — 7 — 6 — 5
KYW, WBBR, WBZ, WCAU, WCCO, WCX, WEAR, WEEI, WGR, WGY, WHAR, WHT, WLS, WLW, WMBB, WOAW, WQJ, WTAG, WTIC.
9 — 8 — 7 — 6
KHJ, KLDS, WBAP, WCAE, WCAU, WCBD, WCCO, WEAF, WEEI, WOR, WHAR, WHAS, WJAR, WNYC, WOC, WORD, WRC, WSAI, WSB, WTAG.
10 — 9 — 8 — 7
KNX, KPRC, KTHS, KYW, WAMD, WGR, WGY, WHAD, WMC, WOAW, WOC, WSAI.
11 — 10 — 9 — 8
KGO, KPO, KTHS, WBAP, WKRC.
12 m — 11 — 10 — 9
KOW, KPO, WHO, WKRC.

Friday, April 23
Eastern 6 p. m. — Central 5 p. m. — Mountain 4 p. m. — Pacific 3 p. m.
KGO, WCX, WMCA, WREO, WWJ.
7 — 6 — 5 — 4
KGO, WEBJ, WGY, WHAD, WJR, WMAQ, WOAW, WOK, WOR, WTIC.
8 — 7 — 6 — 5
KYW, WAHG, WAMD, WBZ, WCAU, WCX, WEBJ, WEEI, WHT, WLS, WQJ, WWJ.
9 — 8 — 7 — 6
KFDM, KFNF, KFOA, KGO, KHJ, KSD, KYW, WBAP, WBZ, WCAU, WDAF, WEEI, WHAD, WJAR, WMAQ, WMCA, WSAI.
10 — 9 — 8 — 7
KFAB, KFDM, KOA, WCCO, WHAD, WMAQ,
11 — 10 — 9 — 8
KFMX, KHJ, KNX, KPO, WABQ.
12 m — 11 — 10 — 9
KPO.

Beau Brummels of the Air might be the title of the quartet below. They are the Moline Plowboys who are making a fine reputation for themselves by their singing every Thursday evening at WOC, Davenport. To the left is the musical director of KSAI, Grace Raine. To the right is Kathleen Ryan, contralto of WGN. Miss Ryan will sing in the "Red Mill" Saturday.
Ryan Photo by Drake Studio.

Tuesday, April 20

Headliners Today

Eastern 8 p. m. — Central 7 p. m. — Mountain 6 p. m. — Pacific 5 p. m.
KFNF (263m-1140kc) Hawaiian concerts.
8:30 — 7:30 — 6:30 — 5:30
WHAS (399.8m-750kc) Zoeller's Melodists.
WJZ (454.3m-660kc), WGY (379.5m-790kc), Delttah Pearl hour.
9 — 8 — 7 — 6
KDKA (309.1m-970kc) Girls' Glee club.
KMOX (280.2m-1070kc) "In a Persian Garden."
9:30 — 8:30 — 7:30 — 6:30
WBZ (333.1m-900kc) Strathmore quartet
WIP (508.2m-590kc) Balcony scene, "Cyrano De-Bergerac."
10 — 9 — 8 — 7
WOOD (241.8m-1240kc) Ye Olde Time Songe Feste.
11 — 10 — 9 — 8
KGO (361.2m-830kc) Eveready program
WOC (483.6m-620kc) Instrumental trio
WTIC (475.9m-630kc) Patriotic Day program
11:05 — 10:05 — 9:05 — 8:05
WCCO (416.4m-720kc) "A Step On the Stairs."
12:45 a. m. — 11:45 — 10:45 — 9:45
WKRC (422.3m-710kc) Blues and Ballads.

Tuesday, silent night for: CFCA, CHIC, CKNC, CNRC, CNRE, CNRM, CNRO, CNRT, CNRW, KUOA, KFUO, KFWA, KOA, KOAC, KOB, KOWW, KUOM, KSAC, KTAB, KWSC, KYX, WABQ, WAHG, WAIU, WAMD, WBBR, WCAL, WCAP, WEMC, WGCP, WHAZ, WJAD, WJAZ, WKAF, WLWL, WMAK, WMAZ, WOI, WOS, WRVA, WSMB, WSUI, WTAM, WTIC.

Eastern Time Stations

CNRA, Moncton, Canada (312.3m-960kc), 8 p. m., symphony quartet; Roberta Spender, pianist; Mrs. H. Duchemin, mezzo-soprano; Mrs. H. Laidlaw, contralto; B. McNeill, soprano; 10, CNRA orchestra.
KDKA, Pittsburgh, Pa. (309.1m-970kc), 6:30 p. m., dinner concert; 8:30, sacred song half hour; 9, Girls' glee club, Pikeville college; 11:35, Grand theater
WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., Hotel Lenox ensemble; 7:15, Hotel Kimball trio; 8, French-English program; 9, William L. Spittal, tenor; 9:15, Katherine Gravelin, pianist; 9:30 Strathmore male quartet
WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert, William Penn hotel; 8-11, WEAF; 11:05, Kenyon theater.
WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:30 p. m., Snellenburg instrumental trio, 8:10, Three Brothers; 8:25, Peter Rief, baritone; Virginia Klein, pianist; 8:45, Charles Higgins and Joe Burke, popular songs; 9, Robert Fraser, blind gospel singer; 9:30, Father Lawrence and players; 10, Eddie Malle and Danny Dougherty, songs; 10:30, Billy Hays and his Cathay Tea Garden dance orchestra
WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., Goldkette ensemble, 10-2 a. m., Red Apple club
WEAR, Cleveland, Ohio (389.4m-770kc), 7 p. m., State theater vaudeville; 8-11, WEAF; 11, Wormack's Singing syncopators.
WEAF, New York, N. Y. (491.5m-610kc), 4-12 midnight, string trio, United Synagogue of America, Vincent Lopez and his orchestra, Mabelanna Corby, Grand Prize Eurekas, Gold Dust Twins; Eveready hour; Moment Musicale; Vincent Lopez and his orchestra, Ross Gorman and his orchestra.
WEBJ, New York, N. Y. (272.6m-1100kc), 7 p. m., Dan Barnett's orchestra; 7:15, Charles Tobias; 8:15, Jennie Cree Gregory, soprano; 8:30, Ralborne orchestra.
WEEI, Boston, Mass. (348.6m-860kc), 6:05 p. m., popular songs, George Joy and Nell Cantor; 7:30, musicale; 8-11, WEAF
WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra, 8-11:30, WEAF.
WGBS, New York, N. Y. (315.6m-950kc), 6:30 p. m., Mac and Lennie mushomblette; 7, Arrowhead Inn concert orchestra, 10:30, Arrowhead dance orchestra
WGHB, Clearwater, Fla. (265.3m-1130kc), 6:30-7:30 p. m., dinner music; 7:30-7:45, Giles W. Quarles; 8:30-9:30, good will program; 11:15-1 a. m., Ramble.
WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., Vincent Lopez's Hotel Statler dance orchestra, 8, WEAF.
WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., Hotel Van Curler orchestra; 7:45, WRC, WJZ; 8:30, WJZ; 9, WGY orchestra; 10, WJZ.
WHAR, Atlantic City, N. J. (275.1m-1090kc), 8 p. m., Seaside hotel trio
WHN, New York, N. Y. (361.2m-830kc), 6:30 p. m., Everglades orchestra, 7:30, Will Oakland's Chateau; 8, Treasureland neighbors; 11, organ recital; 11:30, playground, 12, Harry Richman and his entertainers.
WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Monte Cross, "old timer"; 8:15, Lasertow quartet; 9, recital for two pianos, Flora Ripka, Reuben Leibowitz; 9:30, balcony scene from "Cyrano DeBergerac," Carol Lynn, Dwight Hensen; 10:30, Benjamin Franklin El Patio dance orchestra
WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., oldtime dance orchestra; 8, entertainers; 9, Jean Goldkette's orchestra
WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Hotel McAlpin string ensemble, 6:30, Parody orchestra; 7, Twin Oaks orchestra, 10, Creole Follies; 10:30, Tango orchestra; 11, orchestra; 12, entertainers
WNYC, New York, N. Y. (526m-570kc), 8 p. m., songs, 8:30, piano, 8:45, songs
WOR, Newark, N. J. (405.2m-740kc), 6:45 p. m., Hotel Bretton Hall quartet
WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Adelphia French Room orchestra
WPG, Atlantic City, N. J. (299.8m-1000kc), 6:15 p. m., organ recital, Arthur Brook; 7, Hotel Morton dinner music; 8, Plaza hotel artists, Cecile Steiner, violinist; Margaret [illegible], pianist; Margaret [illegible]; 9, Million Dollar Pier dance orchestra, Katz and His Kittens; 9, Chalfonte-Haddon hall dual trio; 10, Hotel Traymore Grill dance orchestra; 11, Katz and His Kittens; 11:30, Silver Slipper supper club dance orchestra
WRC, Washington, D. C. (468.5m-640kc), 7:30 p. m., U. S. Marine band orchestra, WJZ, WGY; 8, [illegible]
WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., dinner concert, Speed Wagon Serenaders; Gold Standard ensemble; 8:15, Reo Motor Car company band; special musical features; vocal and instrumental solos.
WRVA, Richmond, Va. (256.3m-1170kc), 6 p. m., V. M. I. orchestra; 6:30-8:30, V. M. I. Alumni banquet, yells, songs, talks, orchestra; 11, Old South Negro quartet; 11:30, Harold Lawrence, pianist; 12-1 a. m., Hotel Richmond dance orchestra.
WTAG, Worcester, Mass. (268m-1120kc), 8-8:30 p. m., WEAF; 9-11, WEAF.
WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 8, WEAF.

Central Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., dinner concert; 8:05-10:30, University of Nebraska program.
KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., Hawaiian concert.
KFRU, Columbia, Mo. (499.7m-600kc), 6:15 p. m., dinner music.
KMA, Shenandoah, Iowa (252m-1190kc), 6-7 p. m., May Flower trio; 9-11, May's Mandolin Musicians
KMOX, St. Louis, Mo. (280.2m-1070kc), 6 p. m., organ recital, Arthur Utt; 6:30, organ recital, Mrs. Jacques Landree; 7, orchestra; Dr. Julius Bischof, "The Bert Williams of the Air"; character songs, Mrs. Jules Rotter; 8, "In a Persian Garden"; 9, selections from English classics; Mrs. Madeline Mattingley, reader, 10, dance music.
KOIL, Council Bluffs, Iowa (277.6m-1080kc), 6:05 p. m., Clara and Lucy; 6:30, Royal Fontenelle orchestra, 7:30, E. Marinis Durr, pianist; 11, Hotsy Totsy hour.
KPRC, Houston, Texas (296.9m-1010kc), 7:30 p. m., Harry Kobush and his dance orchestra; Carl Moritz, tenor; 8:30, Skyline studios concert.
KSD, St. Louis, Mo. (545.1m-550kc), 7-10:30 p. m., WEAF.
KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9-10 p. m., Hot Springs Kiwanis club; 10-10:30, New Arlington hotel orchestra; 10:30-10:45, Joe Kuntz, accordionist.
KUOA, Fayetteville, Ark. (299.8m-1000kc), 8 p. m., musical program, students, Harry E. Shultz, Henry D. Tovey.
KYW, Chicago, Ill. (535.4m-560kc), 6-6:15 p. m., KDKA; 6:30-7, Congress hotel; 8-9, Henrietta Nolan, violinist; Melody quartet; 10-1 a. m., evening at home
WADC, Akron, Ohio (285.5m-1160kc), 6:30 p. m., Hotel Portage quintet; 8, program, 9, frolic; 10, Times Press hour.
WBAP, Fort Worth, Texas (475.9m-630kc), 6-6:30 p. m., Texas hotel orchestra; 7:30-8:30, Virginia Jackson Wright, pianist; 9:30-11, Maggie Overstreet.
WBBM, Chicago, Ill. (225.4m-1330kc), 8-12 midnight, Jack Crawford's Alemite orchestra; Tip trio; Pete Kules; Vivian Sheffer, contralto
WCBD, Zion, Ill. (344.6m-870kc), 8 p. m., mandolin, guitar club, duet, Mr. and Mrs. Thomas; Mrs. LaRose, Mr. Barton; Mrs. B. Beem, soprano, Florence Farrar, contralto, Alice Peters, violinist; Daniel Mason, trombonist.
WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 7-9 p. m., WEAF, 10:05, "A Step On the Stairs," serial drama, 7th episode.
WEBH, Chicago, Ill. (370.2m-810kc), 7 p. m., Oriole orchestra; 8, marimba band; saxophone quintet; saxophone quartet; Kathryn Forbes, soprano; 9-9:15, news; 9:15-10, Uptown theater; 11, Oriole orchestra; 12:30 a. m., Bernard Weber, tenor, Oriole trombone duo, Mark Fisher, songs.
WENR, Chicago, Ill. (265.3m-1130kc), 6-7 p. m., Rauland lyric trio; 8-9, All-American Pioneers; 9-10, Moody Bible Institute evening hour.
WFAA, Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m., Jimmie Joy's orchestra, 8:30-9:30, Southern Methodist university faculty, bridge games; 11-12 midnight, Dallas Athletic club symphony orchestra.
WDAF, Kansas City, Mo. (365.6m-820kc), 11:45-1 a. m., Nighthawk frolic; Ted Weems' Victor Recording orchestra; Billy Adair's orchestra; Johnnie Campbell's orchestra.
WGBF, Evansville, Ind. (236.1m-1270kc), 8 p. m., musicale.
WGN, Chicago, Ill. (302.8m-990kc), 6:55-7 p. m., Drake concert ensemble, 8-9, WEAF, 9-10, studio program; 10-10:10, Sam 'n' Henry; 10:10, music; 10:20, play shop; 10:40-11, studio ensemble
WHB, Kansas City, Mo. (365.6m-820kc), 7-7:45 p. m., dinner hour organ concert, 8-9, instrumental music, string quartet; 9-10, popular dance program
WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., concert, Eddie Rosson and his orchestra; Signor Louis Catoska.
WHO, Des Moines, Iowa (526m-570kc), 7:30-8 p. m., Raleigh quintet; 8-11, musical program, 11-12 midnight, Bankers Life Corn Sugar orchestra
WHT, Chicago, Ill. (399.8m-750kc), 6 p. m., dinner organ recital, Al Carney; 6:30, Gravenberg's string trio; 6:50, Diamond quartet, Lottie; 9-11, (238m-1260kc) Cinderella cafe orchestra, 9:35 (399.8m-750kc), Kitchen Klenzer entertainers; 9:50, popular song selections; 12, Pat Barnes.
WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., dinner concert, Chester Newman, baritone; Bernice Taylor, soprano, Charlotte Edwards, contralto; Ruth Flack, reader; Helen Collar [illegible]; 12, Jamboree; Ted Pierce, Dan R[illegible], Galt Bartell, artists.
WJAD, Waco, Tex. (352.7m-1190kc), [illegible] p. m., [illegible]
WJAZ, Chicago, Ill. (322.4m-930kc), 9-1 a. m., Club Chez Pierre; Chez Pierre Hawaiian trio; Earl Hoffman's Chez Pierre orchestra.
WJJD, Mooseheart, Ill. (370.2m-810kc), 8-9 p. m., children; 10-11, Garod studio; Rushmore ensemble singers; Palmer House Victorians; 12:30 a. m., Settin' up hour.
WKRC, Cincinnati, Ohio (422.3m-710kc), 10 p. m., Eugene Perazzo, organist; 11, Eddie Schoelwer, pianist; 11:15, Ace Brigode and his Virginians; 11:45, blues and ballads, Marie Turner.
WLIB, Chicago, Ill. (302.8m-990kc), 7:30-8 p. m., WEAF; 11-11:20, Correll and Gosden; 11:20-12:30 a. m., studio ensemble, dance music, harmony duos.
WLS, Chicago, Ill. (344.6m-870kc), 6:10 p. m., Maurie Sherman's College Inn orchestra; 7:15, Chicago Madrigal club.
WLW, Cincinnati, Ohio (422.3m-710kc), 6 p. m., Norrine Gibbons and her girl friend; 6:30, Mrs. R. S. Montgomery, contralto; 7:30, piano memories, Mary Louise Woszczek; 7:50, whistling solos, Frances Sellers; 8, old-time review, Crosley Burnt Corkers; 9, concert program, Formica Insulation company, orchestra
WMAQ, Chicago, Ill. (447.5m-670kc), 6-7 p. m., Women's World's fair; 8-10, Women's World's fair.
WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon ensemble; Genevieve Burnham, soprano; Hilda Hinricks, cellist; 9-11, Trianon orchestra; Woodlawn theater orchestra; Eugene Plotnik; Oxford Girls; Harmony duo; Eddie Matts, Billie Donovan.
WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., musical program, Noble Crawford, 11, Britling cafeteria orchestra.
WNAO, Norman, Okla. (254.1m-1180kc), 7:20 p. m., Jessie Griffith, vocalist; Earl Barrett, vocalist; Dorothy Monnet, pianist; Lolo June Harrison, violinist; Martha Wimberly, pianist.
WOAI, San Antonio, Texas (394.5m-760kc), 8:30 p. m., Gebhardt Mexican players
WOAW, Omaha, Nebr. (526m-570kc), 6 p. m., Hugo G. Heyn, xylophonist; 6:30, Peony Park orchestra; 9, program; 10:30, Nightingale orchestra; 12, orchestra.
WOC, Davenport, Iowa (483.6m-620kc), 7-9, WEAF; 10-11, instrumental trio
WOK, Chicago, Ill. (217.3m-1380kc), 10-1:30 a. m., Tearney's Town Club orchestra; Pershing Palace orchestra; Capitol theater program; program.
WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9-10 p. m., Roche's program, "Ye Olde Tyme Songe Feste," Roy Clark, Claude Lee, Beth Garrison; 10-11, Van Wyck instrumental quartet; 11-12, Bill Dallavo and his orchestra
WORD, Batavia, Ill. (275.1m-1090kc), 7 p. m., music; reading
WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Garden orchestra, Jean Carlson, soprano; Jean St. Anne, baritone; 10-1 a. m., Rainbo Skylarks; Rose Vanderbosch, soprano; Ila Shannabrook, soprano; staff artists; 1-2, Ginger hour.
WRR, Dallas, Tex. (245.8m-1230kc), 6-7 p. m., Jack Gardner's orchestra; 8-9, musical program.
WSAI, Cincinnati, Ohio (325.9m-920kc), 6 p. m., twilight musicale; 7, WEAF; 7-9, studio program; 8, WEAF; 9, new bridge laws; 10, musicale.
WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., Biltmore hotel orchestra; 10:45, entertainment
WSM, Nashville, Tenn. (282.8m-1060kc), 10 p. m., frolic, Beasley Smith's orchestra, Edward Stockman, baritone; Jack Keefe, Irish tenor
WSOE, Milwaukee, Wis. (245.8m-1220kc), 9 p. m., classical recital program, Milwaukee County Federation of Women's clubs; 10, Leon Grieb, tenor; instrumental trio, soloists.
WSWS, Chicago, Ill. (275.8m-1090kc), 6 p. m., artists; 8, vocalists, Samovar orchestra, 10, Samovar orchestra, staff artists; 12, studio features, Samovar orchestra; ballads, John Clark.

Mountain Time Stations

CNRR, Regina, Canada (476m-640kc), 8 p. m., studio program
KFAU, Boise, Idaho (280m-1070kc), 8-10 p. m., program, Mr. W. M. Reynolds, artists.
KFXF, Colorado Springs, Colo. (249.9m-1200kc), 8 [illegible] Cleveland Davis, baritone; Tommy Green, baritone; Jack Tucker, tenor

DANCING
Central Time

Saturday, April 17: 8, Wjr, Wnyc, Wpg; 8:30, Wfaa; 8:35, Wgy; 9, Webh, Weei, Wmbb, Wnyc, Wreo; 9:10, Kths, Wip; 9:30, Kths, Wgbs, Wor, Wrc; 10, Kfve, Kfwa, Kos, Kpo, Weaf, Wgn, Wjr, Wkrc, Wmca, Wnyc, Wor, Wqj, Wreo, Wtam; 10:05, Wcco; 10:30, Womd; 10:45, Wis; 11, Kfpg, Kfwa, Kfwb, Kpo, Webh, Wfaa, Wgbu, Who, Woc; 11:30, Kfoa; 11:45, Wdaf; 12, Kfwa, Kpo, Kgw, Knx, Wgbu, Wjjd.
Monday, April 19: 8, Wgcp; 9, Weei, Wgbu, Wjar, Wor; 9:15, Wahg; 10, Kths, Wgbu, Wgcp, Wgr, Wlk, Wpg; 10:15, Wor; 10:30, Kfoa, Wgcp, Who; 11, Kgw, Koil, Wgbu, Wgcp, Wgr, Whn, Who; 11:45, Wdaf; 12, Knx, Kpo.
Tuesday, April 20: 9, Webh, Wgbu, Wmbb; 9:30, Wahg, Wgbs, Wgy, Wip; 9:35, Wnyc; 10, Kfve, Wbbm, Weaf, Webh, Wgbu, Wgn, Whn, Wmca, Wpg; 10:15, Kths; 10:30, Kths, Whn; 10:45, Wsb; 11, Kgw, Koil, Wgbu, Whn; 11:30, Kfoa; 11:45, Wdaf; 12, Kgw, Khj, Knx, Kpo, Wdaf, Wjjd.
Wednesday, April 21: 9, Wcx, Webh, Wgbu, Wgcp, Who, Wio, Wmbb, Wmca, Wtic; 9:15, Wahg; 9:30, Wbap, Whn, Wor; 10, Kfve, Wbap, Weaf, Webh, Wgcp, Wqj; 10:05, Wcco; 10:10, Wbap, Who; 11, Koil, Kpo, Webh, Wgbu, Wgcp, Whn; 11:45, Wdaf; 12, Kfwa, Knx, Kpo, Wjjd.
Thursday, April 22: 8, Wjr, Webh, Weei, Wgbu, Whn, Wjr, Wmbb, Wsb; [illegible] 10, Kths, Whn, Weaf, Wgbu, Wmca, Wpg, Wqj; [illegible] 11:45, Wdaf; 12, Kgo, Khj, Kfwa, Knx, Wjjd.
Friday, April 23: [illegible]

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra.

Pacific Time Stations

CNRV, Vancouver, Can. (291.1m-1030kc), 8:30 p. m., studio program; Charles Marsh, pianist; Jessie Beldon, cellist; B. Morgan, violinist; Gordon Marsh, violinist; Mrs. Hazen Phillips, vocalist; 10:30, Cabaret Belmont orchestra; Bebe Mullar, soprano.
KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Chinese Gardens orchestra; 8-9, screen artists' string quartet; 9-10, program, A. V. Shotwell corporation; 10-11, Packard Ballad hour.
KFON, Long Beach, Calif. (232.4m-1280kc), 8-9 p. m., Press-Telegram studio; 9-11, Long Beach Aero club frolic.
KFWB, Hollywood, Calif. (252m-1190kc), 6:30-7:30 p. m., Pontiac Six Dinner hour; 8-9, Patrick-Marsh dance orchestra; Betty Patrick, soloist, 9-10, Guzman trio; 10-11, Warner Brothers frolic.
KGO, Oakland, Calif. (361.2m-830kc), 8-9 p. m., Eveready program; Mishel Piastro, violinist; Lev Shorr, pianist; 9:10-10, Berneice Giffen, soprano; Walker Sisters; Al Rosa, baritone; Ladies' quartet; Triple male quartet; Frances Minton, accompanist; 10-12 midnight, dance music, Madson's Midshipmen.
KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., Olds, Wortman and King company; 8-10, Alicia McElroy quartet; 10-12, Herman Kenin's dance orchestra.
KHJ, Los Angeles, Calif. (405.2m-740kc), 8-10 p. m., de luxe program featuring Frederick MacMurray, viola.
KJR, Seattle, Wash. (384.4m-780kc), 7-8:30 p. m., musical program, Cornish artistic ensemble; 8:30-10, Puget Sound Savings and Loan association orchestra.
KMTR, Hollywood, Calif. (238m-1260kc), 6-7 p. m., Starr Piano company studio; 7:15, Hollywood community sing; 8:30-10, KMTR concert orchestra.
KNX, Hollywood, Calif. (336.9m-890kc), 6:30-7 p. m., Atwater Kent concert orchestra; 7-7:15, program, Geo. E. Read, Inc.; 8-9, Killgrove's Junior symphony; 9-10, Jack Cronshaw's orchestra; 10-12 midnight, Ambassador hotel dance orchestra.
KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7 p. m., States restaurant orchestra; 7-7:30, Rudy Seiger's orchestra; 8-9, studio program; 9-10, Mona Motor Oil company's program; harmony team, Gypsy and Marta; trio; 10-11, Palace hotel dance orchestra.
KPSN, Pasadena, Calif. (315.6m-950kc), 8-9 p. m., Star-News concert hour; Adolf Tandler instrumental group.
KTAB, Oakland, Calif. (239.9m-1250kc), 8-10 p. m., Mills college.

Wednesday, April 21

Headliners Today

Eastern 8 p. m. — Central 7 p. m. — Mountain 6 p. m. — Pacific 5 p. m.
WBZ (333.1m-900kc) Hampden quartet.
WJZ (454.3m-660kc) Imperial Imps.
WTIC (475.9m-630kc) Arcadia Ladies' quartet.
9:15 — 8:15 — 7:15 — 6:15
WHO (526m-570kc) Four Musketeers.
10:30 — 9:30 — 8:30 — 7:30
KTHS (374.8m-800kc) Indian music.
11 — 10 — 9 — 8
WOS (440.9m-680kc) Dulcimer soloist.

Wednesday, silent night for: CHIC, CKAC, CKNC, CNRA, CNRC, CNRE, CNRM, CNRR, CNRT, CNRV, KFAU, KFXF, KGO, KLDS, KMMJ, KOB, KOIL, KPSN, KSAC, KTAB, KUOA, WABQ, WAIU, WBAL, WBAP, WBBR, WCAL, WCBD, WEBW, WFAA, WGBF, WGBS, WGCP, WHAR, WHAZ, WIP, WJAD, WJAZ, WLWL, WMC, WOAI, WOAW, WOI, WPG, WRC, WRR.

Eastern Time Stations

CNRM, Montreal, Canada (410.7m-730kc), 8:30 p. m., instrumental music night, concert orchestra; W. Stevenson, baritone; Herve Baillargeon, flutist; G. Markowski, violinist.
CNRO, Ottawa, Canada (435.8m-688kc), 8 p. m., Chateau Laurier concert orchestra; 9, Madame Milville Belleau, pianist; Milville Belleau, bass; Emile Boucher, tenor; Madame Emile Boucher, soprano; Chateau Laurier dance orchestra.
KDKA, Pittsburgh, Pa. (309.1m-970kc), 6:30 p. m., dinner concert; 8:30, Fire Brigade orchestra
WAHG, Richmond Hill, N. Y. (315.6m-945kc), 7:45 p. m., Jimmy Smith, banjoist; 8, Michael Lamberti, cellist; 8:15, Conrad Schelcher, flutist; 8:30, Michael Lamberti, cellist; Edythe Lamberti, soprano; 9, Conrad Schelcher, flutist; 9:15, studio program; 10:02, Milton Schwartz, violinist; Milton Katz, pianist, 10:30, Colonial dance orchestra.
WBZ, Springfield, Mass. (333.1m-900kc), 6:30 p. m., Hotel Kimball trio; 6:45, Hotel Lenox ensemble; 7, Hotel Kimball trio; 8, Hampden male quartet; 9, WBZ concert company
WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert, William Penn hotel; 8, WEAF; 8:30, WEAF; 9, studio concert; 10, Kramer's orchestra.
WCAP, Washington, D. C. (468.5m-640kc), 7-11 p. m., WEAF.
WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30 p. m., recital, Henry Hotz, bass; Virginia Klein, pianist; 8:10, Joe Murphy, "pianophiend"; 8:30, Clarence Seaman and his Hotel Pennsylvania orchestra; 9, Helen Travis Hoel, soprano; 9:25, Ruppert and McCullough, banjoists; 9:15, Maurice Patton, tenor; Harry Ready, baritone; 10:10, Rogers and Chapman, harp and harmonica; 10:30, Carl Zoehrns, Louis Hirscher, songs, 10:45, Frank Cook, old-time songs; 11, Arthie Bittong Cheer-up club.
WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., Goldkette ensemble; 8-9, studio program.
WEAF, New York, N. Y. (491.5m-610kc), 4-12 midnight, Parnassus string trio; Elizabeth Smyth, soprano; Vincent Lopez and his orchestra; Chamber Musicale; Shinola Merrymakers; Davis Saxophone octet; Ipana Troubadours; Hughie Barrett and his orchestra.
WEAO, Columbus, Ohio (293.9m-1020kc), 8:15 p. m., music; 9, orchestra.
WEAR, Cleveland, Ohio (389.4m-770kc), 7 p. m., Hotel Cleveland orchestra.
WEBJ, New York, N. Y. (272.6m-1100kc), 8 p. m., Raymond orchestra; 8:45, Joseph Turkel, tenor; 9, Milton Yokeman, tenor; 9:15, Alfred Dulin, concert pianist; 9:30, McLean's dance orchestra.
WEEI, Boston, Mass. (348.6m-860kc), 6:13 p. m., Joe Rines and his Hunters Cabin orchestra; 8-11, musicale.
WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra
WGHB, Clearwater, Fla. (265.3m-1130kc), 6:30-7:30 p. m., dinner music; 8:30-9:30, Rex Danzler, tenor; Marion Hoffman, pianist; 11:45-1 a. m., Graham Prince and his orchestra.
WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., Gospel Melodists; 8, WEAF; 10, E. A. Wills Wallpaper and Paint stores program; 10:30, H. C. Weasner popular program; 11, Club Royale orchestra
WGY, Schenectady, N. Y. (379.5m-790kc), 7 p. m., Eastman theater, WHAM; 8:05, WHAM.
WHN, New York, N. Y. (361.2m-830kc), 7:30 p. m., organ recital; 8, Vogue entertainers; 9:10, orchestra, 10:30, Anatol Friedland; 11, orchestra; 12, Cotton Club orchestra.
WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 7, pupils, Louis Sterret Hazel studio.
WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Pettie symphony; 7:15, Goodwill; 9, Jean Goldkette's orchestra, 11, organ; 12, Jewett Jesters
WLIT, Philadelphia, Pa. (394.5m-760kc), 8:30 p. m., Progress Points; 10, Arcadia cafe dance orchestra, 10:15, El Patio dance orchestra
WMAK, Buffalo, N. Y. (265.3m-1130kc), 7:30 p. m., Harry Jackson, tenor; 8-8:30, George Hurst, violinist; Mrs. Sexsmith, pianist, 8:30-9:30, musicale; 9:50-10, Mrs. Gertrude Zimmerman
WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Hotel McAlpin string ensemble, 6:30, orchestra; 9, Mamaroneck night; 10:30, Creole Follies; 11, Hofbrau Haus entertainers; 11:30, Jack Denny's orchestra; 12 midnight entertainers; 12:45, Parody orchestra.
WNYC, New York, N. Y. (526m-570kc), 7:15 p. m., songs; 8:15, talks; 9, debate
WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Ritz-Carlton orchestra; 8, WEAF; 9:25, Rev. Forest Dagar; 10, Fox theater studio program; 10:30, Sylvania dance orchestra
WOR, Newark, N. J. (405.2m-740kc), 6:30 p. m., Jacques Jacobs Hotel Shelton ensemble; 7:30, Zit's Central Park Casino orchestra; 9, Gettner's string quartet; 11, Billy Rose's 5th Avenue club orchestra
WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., dinner concert, Speed Wagon Serenaders; Gold Standard ensemble
WRVA, Richmond, Va. (256.3m-1170kc), 8:20 p. m., Mayflower orchestra; 9:15, orchestra; 9:30, H. Pratt, pianist; 10:15, organ recital, Ernest Cosby; 11:15, Curry Mc Back; Old Virginians.
WTAG, Worcester, Mass. (268m-1120kc), 8:30 p. m., WEAF; [illegible]; 10-11, WEAF.
WTIC, Hartford, Conn. (475.9m-630kc), 6:30 p. m., Bond trio; 8, Clef male quartet; Arcadia Ladies quartet; 9:15, Laura C. Gaudet, pianist; Esther A. Nelson, organist.
WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 8, News orchestra; 9, dance program; 10, WEAF.

Central Time Stations

CKY, Winnipeg, Canada (384.4m-780kc), 7:30-11 p. m., Canadian National Railways program.
CNRW, Winnipeg, Canada (384.4m-780kc), 7:30 p. m., musical program, Ft. Garry hotel orchestra, 8:30, Helen Tennent, soprano; Nettie Dobbie, contralto, W. Anderson, tenor; A. Diehl, tenor; F. Hughes, baritone; 10, supper dance program, Ft. Garry hotel orchestra.
KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., dinner concert; 8:30-10:30, request night, staff artists.
KFKX, Hastings, Nebr. (288.3m-1040kc), 9 p. m., Lincoln, Nebr., program
KFMX, Northfield, Minn. (336.9m-890kc), 9-10 p. m., musicale
KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., concert.
KFRU, Columbia, Mo. (499.7m-600kc), 9 p. m., musical program.
KMA, Shenandoah, Ia. (252m-1190kc), 6-7 p. m., popular music; 9-11, songs and clog dancing, Bob and Babe Riddle; Willy Cunningham, fiddler Scotchman
KMOX, St. Louis, Mo. (280.2m-1070kc), 6 p. m., Arthur Utt, organist; 6:30, Mrs. Jacques Landree, organist; 7, orchestra; 8, Mrs. Henry Bowden, pianist; orchestra; 9, Missouri theater orchestra, song cycle; 10, dance music
KPRC, Houston, Texas (296.9m-1010kc), 6:30 p. m., Harold Oxley's Warwick hotel orchestra; 7:30, Jack Willrich's orchestra; Virginia Willrich, piano accordionist; 8:45, Frank Tilton, boy pianist, 10:30, Vaughan's Virginians.
KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., WEAF; 7:30, Hotel Statler orchestra, 8-11, WEAF.
KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9-9:15 p. m., Lawson Reid, organist, 9:15-9:30, Violet Belding, contralto, 9:30-10, Indian music; 10-10:45, Southerners orchestra.
KYW, Chicago, Ill. (535.4m-560kc), 6-6:15 p. m., KDKA, 6-7, orchestra, 7:30, half hour of music, 9, Edison company, 10, revue.
WADC, Akron, Ohio (285.5m-1160kc), 6:30 p. m., Hotel Portage quintet
WAMD, Minneapolis, Minn. (243.8m-1230kc), 7:05 p. m., Hartman Twins, Frank and Forrest; 7:10 p. m., classical program, quartet; Fran Nelson, banjoist; Cedric Cady, violinist; Bob Adams, saxophonist; Walter Finke, pianist; 11, Skyrocket frolic
WBAP, Fort Worth, Texas (475.9m-630kc), 6-6:30 p. m., Texas hotel orchestra.
WBBM, Chicago, Ill. (225.4m-1330kc), 8-10 p. m., Barber Shop quartet; Billy Spears, tourist bureau; 9-9:15, old song period; Phillip Miller, tenor; Floyd Falch; 12-2 a. m., Alemite orchestra, Harold Anderson, accordionist; Sy Berg, Bob White.
WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 7 p. m., WEAF, 8, WEAF, 9, Nash Finch concert orchestra; 10:05, Wade Erickson's Coliseum orchestra; 11:30, organ recital, Eddie Dunstedter
WDAF, Kansas City, Mo. (365.6m-820kc), 8-9 p. m., Park college glee club; 9-10, classical musical program; [illegible]; 11:45-1 a. m., Nighthawk frolic
WEBH, Chicago, Ill. (370.2m-810kc), 7 p. m., Oriole orchestra, 8, Oriole string trio, 9-9:15, news flashes; 9:15-10, Frank Bachner, songs; Florence Behrend, soprano; 11-12:30 a. m., Oriole orchestra, Victoria Bell rend, Impromptu review; Bernice Follis; Oriole orchestra
WENR, Chicago, Ill. (265.3m-1130kc), 6-7 p. m., Rauland lyric trio; 8-10, All-American Pioneers; 12-2 a. m., All American Pioneers
WGN, Chicago, Ill. (302.8m-990kc), 6:55-7 p. m., Drake concert ensemble, Blackstone string quintet; Mush; 8-9, studio program; 10:20, play shop; 10:40-11, studio ensemble.
WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., Jake Seligman and his Kentucky Night Owls.
WHB, Kansas City, Mo. (365.6m-820kc), 7-8 p. m., Henry Klotz and Peggy Nash, songsters
WHO, Des Moines, Iowa (526m-570kc), 6-7 p. m., Bankers Life symphonic orchestra; 7:15-8:15, Irene Doran and her Little symphony orchestra; 8:15-9, Dr. and Mrs. H. Hurd, Hawaiian guitarists; Four Musketeers; 9-12 midnight, dance program
WHT, Chicago, Ill. (399.8m-750kc), 6 p. m., Bernice Taylor, soprano; Hugh Aspinwall; 7:15-9:15, Cinderella cafe orchestra; 9:30, Al Carney and Pat Barnes; 10:05, Ray O Vac concert; 11:15, Cinderella cafe orchestra; 11:40, Pat Barnes and Al Carney, 12, Pat Barnes and Al Carney
WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., dinner program; Charles Champlin, baritone; H. Miller, tenor, 10-12, popular program; Elsie Orr, soprano; Melody Strummers.
WJAD, Waco, Tex. (352.7m-1190kc), 8:30-10 p. m., Methodist Orphans' home program.
WJAZ, Chicago, Ill. (322.4m-930kc), 9-1 a. m., Opera club; "Spike" Hamilton's orchestra; Johnny Molaney's Bluejackets
WJJD, Mooseheart, Ill. (370.2m-810kc), 8-9 p. m., Mooseheart children; 10-11, Isabel Defaut, Simeon Oliver, Palmer House Victorians; 12:30 a. m., Settin' Up hour
WLIB, Chicago, Ill. (302.8m-990kc), 7:30-7:50 p. m., Auld Sandy; 7:50-8, musical program; 11-11:20, Correll and Gosden, 11:20-12:30 a. m., studio ensemble, dance music, harmony duos.
WLS, Chicago, Ill. (344.6m-870kc), 6:40 p. m., Maurie Sherman's College Inn orchestra; 7:30, Ralph Emerson, organist, 8, "Morning of the Year"; 9, U. of Chicago glee club, 9:30, WLS trio; 10, popular music program; 11, WLS circus
WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., Hotel Gibson orchestra; Thorobred trio; entertainers; 11, Latonia Melody Boys; 11:15, organ request program, Johanna Grosse.
WMAQ, Chicago, Ill. (447.5m-670kc), 6-7 p. m., Women's World's fair; 8-10, Women's World's fair.
WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Eleanor Kaplan, violinist, Preston Graves, pianist; Edwin Heene, baritone; 9-11, Trianon orchestra; Woodlawn theater orchestra; Eugene Plotnik, Scotty Welch, Madison Sisters, Eddie Wallace, tenor.
WNAD, Norman, Okla. (254.1m-1180kc), 7:40 p. m., Josephine Luttrell, pianist; Dick Holt, banjoist; Bill Dougherty, guitarist.
WOAI, San Antonio, Texas (394.5m-760kc), 8:30 p. m., Fort Sam Houston.
WOC, Davenport, Iowa (483.6m-620kc), 7-7:30 p. m., WEAF; 9-9:30, Earl Ferris Nursery trio; 9:30-10:30, Erwin Swindell, organist
WOK, Chicago, Ill. (217.3m-1380kc), 10 p. m.-1:30 a. m., Tearney's Town club orchestra; Pershing Palace orchestra; Capitol theater program; program.
WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9 p. m.-12 midnight, popular program, Sixteen Fingered Paul, Mose Marvin artists; Bill Dallavo and his orchestra.
WORD, Batavia, Ill. (275.1m-1090kc), 7 p. m., North

FARMERS' PROGRAMS INDEX

Farmer Dinner Concerts
Daily Except Sunday
CENTRAL TIME
KFNF, 12:15-1:35 p. m.
KMA, 11:30-12:30
KSO, 12:30-1:30 p. m.
WLS, 12 noon.

Saturday, April 17
Eastern 1 p. m. — Central 12 noon — Mountain 11 a. m. — Pacific 10 a. m.
KPRC (296.9m-1010kc) Farmers' educational and musical program
1:45 — 12:45 p. m. — 11:45 — 10:45
WOI (270m-1110kc) Soils, questions and answers.
8 — 7 — 6 p. m. — 5 p. m.
KDKA (309.1m-970kc) Farm program
9:30 — 8:30 — 7:30 — 6:30
KFAU (280.2m-1070kc) Agricultural talk, question box.

Sunday, April 18
Eastern 3:30 p. m. — Central 2:30 p. m. — Mountain 1:30 p. m. — Pacific 12:30 p. m.
WFAA (475.9m-630kc) Sunday hour for farmers.

Monday, April 19
Eastern 12 noon — Central 11 a. m. — Mountain 10 a. m. — Pacific 9 a. m.
WRC (468.5m-640kc) Fifty Farm flashes
1:15 p. m. — 12:15 p. m. — 11:15 — 10:15
WOC (483.6m-620kc) "It Pays to Dodge the Round Worm."
WEAO (293.9m-1020kc) Timely Economic Information for the farmer, C. J. West.
1:45 — 12:45 — 11:45 — 10:45
WOI (270m-1110kc) "Why the Nation Observes Forest Protection Week."
WMAQ (447.5m-670kc) Radio farm school.
7 — 6 — 5 p. m. — 4 p. m.
WGY (379.5m-790kc) Agricultural program
WPG (299.8m-1000kc) "Baby Chicks and Their Care."
7:10 — 6:10 — 5:10 — 4:10
WEAO (293.9m-1020kc) "Fruits—Scale, Scat and Worms."
7:45 — 6:45 — 5:45 — 4:45
KFXF (288.3m-1010kc) "It Pays to Dodge the Round Worm."
WSOE (246m-1220kc) Hog Raising.
8 — 7 — 6 — 5
WOS (440.9m-680kc) Livestock questions and answers.
8:30 — 7:30 — 6:30 — 5:30
KFOA (299.8m-1000kc) Farm Filosofy, Cy Adams
WMC (499.7m-600kc) Farm talk
8:45 — 7:45 — 6:45 — 5:45
WCCO (416.4m-720kc) "Alfalfa—Sweet Clover."
WOI (270.1m-1110kc) "The Farmer and Fire Protection Week."
WTIC (475.9m-630kc) "Getting a Better Hay Crop This Year."
9 — 8 — 7 — 6
WOS (440.9m-680kc) "Putting Wool in Shape to Sell."
9:30 — 8:30 — 7:30 — 6:30
KOB (348.6m-860kc) "Horticulture."
KOAC (280.2m-1070kc) Agricultural question box, "Developing a Dairy Herd."
10:30 — 9:30 — 8:30 — 7:30
WOAC (280.2m-1070kc) "Farm Concrete Construction."
10:45 — 9:45 — 8:45 — 7:45
KOAC (280.2m-1070kc) "Oregon's Agricultural Situation."
11:05 — 10:05 — 9:05 — 8:05
KGO (361.2m-830kc) "Rebuilding the Forests."

Tuesday, April 20
Eastern 12 n. — Central 11 a. m. — Mountain 10 a. m. — Pacific 9 a. m.
WRC (468.5m-640kc) Fifty Farm flashes
1:15 p. m. — 12:15 p. m. — 11:15 — 10:15
WOC (483.6m-620kc) "Answers to Some of Your Poultry Problems."
Eastern 1:45 p. m. — Central 12:45 p. m. — Mountain 11:45 a. m. — Pacific 10:45 a. m.
WMAQ (447.5m-670kc), Radio farm school.
WOI (270m-1110kc) "Animal Husbandry."
8 — 7 — 6 p. m. — 5 p. m.
KFKX (288.3m-1040kc) "Internal Poultry Parasites."
KFRU (399.8m-750kc) "The Use of Lime on Spring Planted Crops."
8:33 — 7:33 — 6:33 — 5:33
KYW (535.4m-560kc) American Farm Bureau Federation.
9:30 — 8:30 — 7:30 — 6:30
KOA (322.4m-930kc) Farm question box.

Wednesday, April 21
Eastern 12 noon — Central 11 a. m. — Mountain 10 a. m. — Pacific 9 a. m.
WRC (468.5m-640kc) Fifty farm flashes.
1:15 p. m. — 12:15 p. m. — 11:15 — 10:15
WOC (483.6m-620kc) "Summer Water Supply."
1:30 — 12:30 — 11:30 — 10:30
WFAA (475.9m-630kc) Sears-Roebuck Agricultural program
1:45 — 12:45 — 11:45 — 10:45
WMAQ (447.5m-670kc) Radio Farm school.
WOI (270m-1110kc) Poultry husbandry.
8 — 7 — 6 p. m. — 5 p. m.
WOS (440.9m-680kc) Evening market hour, poultry questions and answers.
9 — 8 — 7 — 6
WHA (535.4m-560kc) "Home Ground Trees."
10:15 — 9:15 — 8:15 — 7:15
KWSC (348.6m-860kc) "Improving the Lawn." "The Value of Soil and Crop Demonstration."

Thursday, April 22
Eastern 12 noon — Central 11 a. m. — Mountain 10 a. m. — Pacific 9 a. m.
WRC (468.5m-640kc) Fifty farm flashes.
1:15 p. m. — 12:15 p. m. — 11:15 — 10:15
WOC (483.6m-620kc) "Alfalfa Cutting."
1:45 — 12:45 — 11:45 — 10:45
WMAQ (447.5m-670kc) Radio farm school.
WOI (270m-1110kc) Farm crops.
8 — 7 — 6 p. m. — 5 p. m.
KFKX (288.3m-1040kc) "Cutting Alfalfa—When, Why and Where."
8:30 — 7:30 — 6:30 — 5:30
WOI (270m-1110kc) "The Farm Fixit Shop."
8:33 — 7:33 — 6:33 — 5:33
KYW (535.4m-560kc) American Farm bureau
9:30 — 8:30 — 7:30 — 6:30
KOA (322.4m-930kc) Farm question box.

Friday, April 23
Eastern 12 noon — Central 11 a. m. — Mountain 10 a. m. — Pacific 9 a. m.
WRC (468.5m-640kc) Fifty Farm Flashes.
1:15 p. m. — 12:15 p. m. — 11:15 — 10:15
WOC (483.6m-620kc) Special Farm Service Day.
KTHS (374.8m-800kc) Farmers' Radio Chautauqua.
1:45 — 12:45 — 11:45 — 10:45
WOI (270m-1110kc) Agricultural Economics.
8 — 7 — 6 p. m. — 5 p. m.
KFKX (288.3m-1040kc) Special Farm Service Day
KFRU (399.8m-750kc) "Draining Fields to Increase Their Productivity."
WOS (440.9m-680kc) Evening Market hour, Dairy questions and answers.
8:15 — 7:15 — 6:15 — 5:15
KSO (242m-1240kc) Farm talk.
8:30 — 7:30 — 6:30 — 5:30
WOC (483.6m-620kc) Question box.
9:05 — 8:05 — 7:05 — 6:05
WOS (440.9m-680kc) "Corn in Missouri."
10:15 — 9:15 — 8:15 — 7:15
KWSC (348.6m-860kc) "Certified Seed Potatoes and How to Buy Them." "Year's Honey Crop Dependent on Spring Work."

FAMOUS RUSSIAN ARTIST AT WMC

This charming young lady is one of the pianists of WHAD, Milwaukee. Her name is Wilma Anderson.

Wednesday, April 21

Shore line; 9, Webster hotel concert trio, I. B. S. A. choral singers.

WOS, Jefferson City, Mo. (440.9m-680kc), 8:15 p. m., chamber of commerce Willow Springs; 10, Miles Carpenter, dulcimer soloist.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Garden orchestra; Kenneth Sterling, baritone; Leo Miller, violinist; 10-1 a. m., Melodians; Oxford Girls; Skylarks; 1-2, Ginger hour.

WSAI, Cincinnati, Ohio (325.9m-920kc), 6:45 p. m., chimes; 7-9, WEAF; 9, musicale; 10:15, quartet.

WSB, Atlanta, Ga. (428.3m-700kc), 10:45 p. m., Biltmore hotel orchestra.

WSBT, South Bend, Ind. (275.1m-1090kc), 7:15 p. m., orchestra, concert.

WSM, Nashville, Tenn. (282.8m-1060kc), 6:30 p. m., Francis Craig's orchestra; 8, chamber music, Vito's orchestra; 10, Leon Frank Music school.

WKRC, Cincinnati, Ohio (422.3m-710kc), 6 p. m., dinner music, Alvin Roehr and his orchestra; 8:15, Winnie Pippin, soprano; Oliver Plunkett, tenor; 9, instrumental quintet, soloist; 12 midnight, Wesley Helvey and his orchestra.

WSOE, Milwaukee, Wis. (245.8m-1220kc), 9 p. m., Herbert Schroeder, comedian; Riley Brothers harmonica duo; Emil Cords, pianist; 10:30, popular concert, Hollywood symphony orchestra.

WSWS, Chicago, Ill. (275.8m-1090kc), 6 p. m., vocal artists; 8, Samovar orchestra, violin and piano selections; 10, Samovar orchestra, artists.

Mountain Time Stations

KFWA, Ogden, Utah (260.7m-1150kc), 9-10 p. m., Olie Reeves and his dance orchestra; 10-11, music, Paramount theater; 11-12, Olie Reeves and his dance orchestra.

KFXF, Colorado Springs, Colo. (249.9m-1200kc), 8:30 p. m., Irish Melody Boys.

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra; 8, Scheuerman's Colorado orchestra; 8:15, Colorado School of Mines; soprano solos, Mrs. F. M. Van Tuyl, Mrs. E. P. Martinson; band; Francisco G. Joaquin, violinist; Mrs. R. C. Beckstrom, reader; Prof. J. L. Morse, baritone; quartet; Mrs. Chase Doster, soprano; KOA orchestra; 10-12, Broadmoor Rhythm Rustlers.

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-7:30 p. m., Grebe Synchrophase string ensemble; 7:30-8, Nick Harris' detective story; 8-9, program, Ventura Refining company; 9-10, Chevrolet Motor Company of California; 10-11, popular hour.

KFON, Long Beach, Calif. (232.4m-1280kc), 7-8 p. m., Markwell Salt Water Taffy shop; 8-9, Press-Telegram studio; 9-10, Prizma hour; 10-11, Oriole orchestra.

KFWB, Hollywood, Calif. (252m-1190kc), 6:30-7:30 p. m., Pontiac Six dinner rouh; 8-9, Sphinx Motor Oil company; 9-9:30, Bill Hatch's Oakmont Country club orchestra; 9:30-10, Mutual Motors mirth contest; 10-11, Warner Brothers frolic.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., Olds, Wortman and King company; 8-9, Western Auto Supply company; 9-10, instrumental music; 10-11, Sherman Clay and company.

KHJ, Los Angeles, Calif. (405.2m-740kc), 7-7:30 p. m., Huntington Park Union high school orchestra; 8-10, Joe Arias and his Mexican entertainers.

KJR, Seattle, Wash. (384.4m-780kc), 7-8:30 p. m., Sears, Roebuck and company program; Bab's Lady orchestra; 8:30-10, Post Intelligencer program.

KLX, Oakland, Calif. (508.2m-590kc), 6:30-7 p. m., Athens Athletic club orchestra; 9-10, program.

KMTR, Hollywood, Calif. (238m-1260kc), 8-10 p. m., KMTR concert orchestra, Dan Gridley, tenor; 10-11, Starr Piano company studio.

KNX, Hollywood, Calif. (336.9m-890kc), 6:30-7 p. m., Atwater Kent concert orchestra; 7-8, program, Dellarowe Drug company; 8-9, Security Trust and Savings bank; 9-11, Daley's 165 grocery stores; 11-12 midnight, Ambassador hotel dance orchestra.

KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7 p. m., States restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel orchestra; 8-9, Atwater Kent artists; 9-10, Goodrich Silvertown Cord orchestra; 10-11, States restaurant orchestra.

KTAB, Oakland, Calif. (239.9m-1250kc), 8-10 p. m., Western States Life Insurance company.

KWSC, Pullman, Wash. (348.6m-860kc), 7:30-9 p. m., Frances Premo, pianist; Olga Kvans, violinist; Margaret Ness, vocalist.

Thursday, April 22

Headliners Today

Eastern	Central	Mountain	Pacific
8:30 p. m.	7:30 p. m.	6:30 p. m.	5:30 p. m.

KDKA (309.1m-970kc) Gaelic music.
WBAP (475.9m-630kc) Saxophone octet.
WJZ (454.3m-660kc) "Hello, New York," picture.

9	8	7	6

WJAZ (322.4m-930kc) Chicago Women's Musical club.

9:30	8:30	7:30	6:30

WFAA (475.9m-630kc) Little Symphony.

10	9	8	7

KTHS (374.8m-800kc) Cotton Belt Male quartet.
WHB (356.6m-820kc) Metro Police quartet.
WJAZ (322.4m-930kc) Classical program.

Eastern	Central	Mountain	Pacific
10:30 p. m.	9:30 p. m.	8:30 p. m.	7:30 p. m.

WSOE (245.8m-1220kc) Old-fashioned program.

11	10	9	8

KGO (361.2m-830kc) "Hazel Kirke" comedy drama.
KPO (428.3m-700kc) Metropolitan quartet.

12 m.	11	10	9

WBAP (475.9m-630kc) "A Step On the Stairs," mystery serial.

Thursday, silent night for: CHIC, CKNC, CNRA, CNRE, CNRO, CNRR, CNRT, CNRV, CNRW, KFAB, KFAU, KFMX, KFOA, KFUO, KFWA, KLX, KMOX, KOA, KOAC, KOB, KSAC, KWSC, PWX, WABQ, WAFD, WAHG, WAIU, WCAP, WCEE, WDOD, WEAO, WEBJ, WEBW, WEMC, WGBF, WHAD, WHAZ, WJJD, WMAK, WMAZ, WOOD, WOR, WOS, WSM, WSUI, WTAM.

Eastern Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 6:30 p. m., dinner concert; 8:30, Gaelic music, KDKA little symphony orchestra; 9, glee club, Allegheny General Hospital School of Nursing; 11, concert.

WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., orchestra; 7:30-8, Frederick D. Weaver, organist; 8-10, Louise Henderson, soprano; Georgie Kelly, contralto; Edith Reinhardt, soprano; Ruth Hutzler, pianist; Ruth Schumacher, contralto; Melvin Moritz, baritone.

WBBR, New York, N. Y. (272.6m-1100kc), 8 p. m., Josephine Locke, violinist; Elizabeth Paul, soprano.

WBZ, Springfield, Mass. (333.1m-900kc), 6:30 p. m., Hotel Kimball trio; 6:45, Hotel Lenox ensemble; 7, Hotel Kimball trio; 7:30, Alice Ruth Mulally, soprano; 8, Leo Reisman's orchestra; 9, Julius Hartt School of Music; 9:30, Arthur Clifton, organist; 10:03, Edward J. McEnelly and his orchestra.

WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert, William Penn hotel; 8:30-11, WEAF.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:30 p. m., Billy Hayes and his Cathay Tea Garden dance orchestra; 7:30, Snellenburg symphony orchestra; 8, Eight Bright Boys; 8:30, Norman Barr, baritone; Virginia Klein, pianist; 8:45, Kandy Kids; 9, Barry O'Moore, Irish tenor; 9:30, Musical Chefs; 9:45, comedy lesson, Professor Doolittle; 10, Sesquicentennial hour; 11, Parodians' dance orchestra; 11:30, Club Madrid orchestra.

Central Time Stations

CKY, Winnipeg, Canada (384.4m-780kc), 8:30 p. m., concert, Winnipeg Home Welfare association.

KFKU, Lawrence, Kan. (275.1m-1090kc), 7:15 p. m., Louise Florea, soprano; Arlo Hults, pianist.

KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., double male quartet, Griswold.

KFRU, Columbia, Mo. (499.7m-600kc), 6:15 p. m., dinner music.

KMA, Shenandoah, Ia. (252m-1190kc), 6-7 p. m., regular dinner hour program; 9-11, Delmonica Dreamers' dance orchestra.

KOIL, Council Bluffs, Iowa (277.6m-1080kc), 6:05 p. m., Wilson Doty, pianist; 6:35, Imperial dance orchestra; 7:15, Bernice Clizoe; 7:30, Clara Kurtz; 8:15, James B. Wrath, baritone; 11, Hotsy Totsy hour.

KPRC, Houston, Texas (296.9m-1010kc), 7:30 p. m., Blanchard's dance orchestra; 8:30, Skyline studios program.

KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., WEAF; 7:30, Esmeralda Berry Mayes, pianist; 8-10, WEAF.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9-9:45 p. m., Cotton Belt male quartet; 9:45-10:30, New Arlington hotel orchestra.

KUOA, Fayetteville, Ark. (299.8m-1000kc), 8:30 p. m., Lorraine Allen, pianist.

KYW, Chicago, Ill. (535.4m-560kc), 6-6:15 p. m., KDKA; 8:20-9, Congress hotel; 9, musicale; 10-12, revue.

WADC, Akron, Ohio (285.5m-1160kc), 6:30 p. m., Hotel Portage quintet; 9:30, studio program; 10, WEAF.

WAMD, Minneapolis, Minn. (243.8m-1230kc), 7:05 p. m., Hartman Twins, Frank and Ernest; 7:30, Uncle Bert; 11:30, organ recital, Clifford Perry.

WBAP, Fort Worth, Texas (475.9m-630kc), 6-6:30 p. m., Texas hotel orchestra; 7:30-8:30, Davis Saxophone octet; 9:30, Harmony club; 11, "A Step On the Stairs."

WBBM, Chicago, Ill. (225.4m-1330kc), 8 p. m.-12 midnight, Matched Unit quartet; Ariston trio; song period; Two Jays; Maurice Silverman.

WCBD, Zion, Ill. (344.6m-870kc), 8 p. m., male chorus, Celestial bells; Mrs. Esther Rendall, soprano; Carey Sisters; R. F. Reid, baritone; George Beem, xylophonist.

WCCO, Minneapolis-St. Paul, Minn (416.4m-720kc), 7:30 p. m., Northern Pacific program; 8, WEAF; 9-10, WEAF.

WDAF, Kansas City, Mo. (365.6m-820kc), 11:45-1 a. m., Nighthawk frolic; Ted Weems' Victor Recording orchestra; Billy Adair's orchestra; Johnnie Campbell's orchestra.

WEBH, Chicago, Ill. (370.2m-810kc), 7-8 p. m., J. Henry Welton, tenor; Hannah Braverman; 9-9:15, news; 9:15-10, Ruth Buhl Flick; Rita McFawn; 11-12:30 a. m., Oriole orchestra; Ruth Buhl Flick, reader; Rita McFawn, Mary Bieber, Billy Tracy, Sonny Duncan; Oriole string trio.

WENR, Chicago, Ill. (265.3m-1130kc), 6-7 p. m., Rauland lyric trio; 8-10, All-American Pioneers.

WFAA, Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m., Jimmie Joy's orchestra; 8:30-9:30, Little symphony orchestra.

WGN, Chicago, Ill. (302.8m-990kc), 6:30-6:45 p. m., Drake concert ensemble, Blackstone string quintet; 6:45, old-time favorites; 6:55-7, "The Million Sing"; 8-10, WEAF; 10, Sam 'n' Henry; 10:10, old-time favorites; 10:20, play shop; 10:40-11, studio ensemble.

WGST, Atlanta, Ga. (270.1m-1110kc), 7-8 p. m., Coleman D. Kimbro, baritone.

WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., concert.

WHB, Kansas City, Mo. (365.6m-820kc), 7-7:45 p. m., organ concert; 8-9, Metropolitan Police band concert; 9-10, Metropolitan Police quartet.

WHO, Des Moines, Iowa (526m-570kc), 7:30-8 p. m., Raleigh quintet; 8-9, Bankers Life trio; 11-12 midnight, Bankers Life Corn Sugar orchestra.

WHT, Chicago, Ill. (399.8m-750kc), 6 p. m., dinner organ recital, Al Carney; 6:30, Grayling's string trio; 6:45, Swedish program; 9:15, Cinderella cafe orchestra; 9:30, Kitchen Klassics; 10:10, U. S. L. entertainers; male quartet; 11:30, Pat Barnes and Al Carney; 12, Pat Barnes and Al Carney.

WJAD, Waco, Tex. (352.7m-1190kc), 8:30-10 p. m., Reagan string orchestra.

WJAZ, Chicago, Ill. (322.4m-930kc), 9-12 midnight, Louis Victor Saar, pianist-composer; Ruth Ford, contralto; George Grammer Smith, baritone; Norma Albermatt, violinist; Chicago Women's Musical club chorus; E. Warren K. Howe; Hazel Folsom, soprano; Elaine De Sellem, contralto; solos and duets; Lucille Sweetser, Alice Regina Johnson, two-piano numbers; Dorris Irene Berry, contralto; Ann Slack, cellist; George Krueger, baritone.

WJJD, Mooseheart, Ill. (370.2m-810kc), 5:30-7 p. m., Jack Nelson; Palmer House symphonic players; Howard L. Peterson, organist; Palmer House Victorians; 8-9, children; 10-11, Palmer House Victorians; 12:30 a. m., frolic.

WKRC, Cincinnati, Ohio (422.3m-710kc), 10 p. m., Ace Brigode and his Fourteen Virginians; 11, popular song revue; 11:15, Ace Brigode and his Virginians.

WLIB, Chicago, Ill. (302.8m-990kc), 7-7:15 p. m., dinner music; 7:15-7:30; 7:30-8, WEAF; 11-11:20, Correll and Gosden; 11:20-12:30 a. m., studio ensemble, dance music, harmony duos.

WLS, Chicago, Ill. (344.6m-870kc), 6:40 p. m., College Inn orchestra; 7:20, Ralph Emerson, organist.

WLW, Cincinnati, Ohio (422.3m-710kc), 6:15 p. m., musical handshaker, Bob Groenke, Jim Mischler; 7, dinner hour concert, Hotel Gibson orchestra; 7:40, Gibson hotel concert; 10:03, Doherty Melody Boys; 10:40, Irene Downing, Tommy Reynolds; 11, Ray Sullivan; 11:15, Castle Farm; 12:15 a. m., Crosley Pup program.

WMAQ, Chicago, Ill. (447.5m-670kc), 6-7 p. m., Women's World's fair; 8-10, Women's World's fair.

WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Scotch music; 9-11, Trianon orchestra; Woodlawn theater orchestra; Bob Smith, tenor; Elizabeth Wattles, soprano; Ted Graham, bass.

WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Chickasaw Ramblers.

WOAI, San Antonio, Texas (394.5m-760kc), 8:30 p. m., Mistletoe Melody Maids.

WOAW, Omaha, Nebr. (526m-570kc), 6 p. m., Dorothy Chenoweth Lowden, harpist; 6:20, Manna Kea trio; 6:50, Royal Fontenelle orchestra; 9, sunshine program.

WOC, Davenport, Iowa (483.6m-1120kc), 7-7:30 p. m., WEAF; 7:30-8, Moline Plowboys; 8-10, WEAF; 11-12, LeClaire hotel orchestra.

WOI, Iowa City, Iowa (270.1m-1110kc), 8 p. m., musicale

WOK, Chicago, Ill. (217.3m-1380kc), 10-1:30 a. m., Tearney's Town club orchestra; Midway Gardens orchestra; Capitol theater program; program.

WORD, Batavia, Ill. (275.1m-1090kc), 8 p. m., Webster hotel concert trio; 8:35, Cosmopolitan School of Music.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Gardens orchestra; 10-1 a. m., Rainbo Skylarks; staff artists; Marie Pollitt; 1-2 Ginger hour.

WRR, Dallas, Tex. (245.8m-1230kc), 6-7 p. m., Jack Gardner's orchestra; 8-9, Mrs. J. C. Neil; 11-12, Dyo corporation.

WSAI, Cincinnati, Ohio (325.9m-920kc), 7:30-10 p. m., WEAF.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., Westminster Presbyterian church choir; 10:45, Mary Jerome, Charles Sheldon, organ recital.

WSOE, Milwaukee, Wis. (245.8m-1220kc), 9 p. m., Nationality night; Polish instrumental and vocal selections; Lakeview orchestra; Polish opera club.

WSWS, Chicago, Ill. (275.8m-1090kc), 6 p. m., artists; 7, ballads, Samovar orchestra; 10, Samovar orchestra, studio features.

Mountain Time Stations

CNRC, Calgary, Canada (435.8m-688kc), 9-11 p. m., Canadian National Railway's orchestra; George Bell, bass.

KFAU, Boise, Idaho (280m-1070kc), 8-10 p. m., pipe organ recital, Frederick Boothroyd.

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra.

KUOM, Missoula, Mont. (243.8m-1230kc), 8 p. m., vocal, instrumental and ensemble music.

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 5:30 p. m., Bamboo Gardens orchestra; 6:45, Radiotorial period; 7-8, students, University of Scuthern California; 8-9, Southwest Museum; 9-10, program, Chickering hall; 10-11, dance music.

KFON, Long Beach, Calif. (232.4m-1280kc), 7:30-9 p. m., Long Beach municipal band; 9-10, studio program; 10-11, Lake's club dance orchestra; 11-12 midnight, State theater organ.

KFWB, Hollywood, Calif. (252m-1190kc), 6:30-7:30 p. m., Pontiac Six dinner hour; 8-9, program, Phillips and Hambaugh with Frazier Mountain Park orchestra; 9-10, Los Serranos Country club orchestra; 10-11, Warner Brothers frolic.

KGO, Oakland, Calif. (361.2m-830kc), 8 p. m., "Hazel Kirke," comedy drama; Arion trio; 10, dance music, Brokaw and orchestra.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., Olds, Wortman and King company; 8-10, vaudeville program.

KHJ, Los Angeles, Calif. (405.2m-740kc), 8-10 p. m., feature studio program, Times artists.

KJR, Seattle, Wash. (384.4m-780kc), 7-8:30 p. m., Poole Electric company program, Eureka quartet; 8:30-10, Puget Sound Savings and Loan association orchestra; 10-10:30, musical program; 10:30-12, Post Intelligencer's "Keep Joy Radiating Order of Bats".

KMTR, Hollywood, Calif. (238m-1260kc), 6-7 p. m., Starr Piano company studio; 8-10, KMTR concert orchestra.

KNX, Hollywood, Calif. (336.9m-890kc), 6:30-7 p. m., Atwater Kent concert orchestra; 7-8, program, H. & L. Crockett company; 8-9, program, Willys-Overland dealers; 9-10, the Wisecracker club; 10-11, dance music; 11-12 midnight, Ambassador hotel dance orchestra.

KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7 p. m., States restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel orchestra; 8-9, KPO quartet; Ruth Linrud, harpist; Eva Gruninger Atkinson, contralto; 9-10, studio program, organ and piano duets, Amy Bynum and Caroline Gray, Metropolitan quartet; 10-11, Cabiria cafe dance orchestra.

KPSN, Pasadena, Calif. (315.6m-950kc), 8-9, p. m., musical program, Pasadena chamber of commerce.

KTAB, Oakland, Calif. (239.9m-1250kc), 8-10 p. m., program.

Friday, April 23

Headliners Today

Eastern	Central	Mountain	Pacific
7:45 p. m.	6:45 p. m.	5:45 p. m.	4:45 p. m.

WEBJ (272.6m-1100kc) "Flying Over Florida."

8:15	7:15	6:15	5:15

WGY (379.5m-790kc) "A Step On the Stairs." mystery serial.
WTIC (475.9m-630kc) Brown Musical clubs.

8:30	7:30	6:30	5:30

WGY (379.5m-790kc) Comic opera, "Rob Roy."

9	8	7	6

WBZ (333.1m-900kc) St. Mark's colored quartet.
WRR (245.8m-1220kc) Operatic program.

9:30	8:30	7:30	6:30

KFAB (340.7m-880kc) Brainerd community orchestra.
KOB (348.6m-860kc) American Legion program.
WGR (319m-940kc) Comedy program.

10:10	9:10	8:10	7:10

KDKA (309.1m-970kc) Teaberry time.

10:30	9:30	8:30	7:30

KFI (467m-640kc) Spanish half hour.
KTHS (374.8m-800kc) Opera selections.

11	10	9	8

KPO (428.3m-700kc) Piano ensemble.
WAMD (243.8m-1230kc) Skyrocket frolic.
WLIT (394.5m-760kc) Freshman hour of music.
WOS (440.9m-680kc) Old-time fiddling.

1:30 a. m.	12:30 a. m.	11:30	10:30

KGW (491.5m-610kc) Frolic.

Friday, silent night for: CFAC, CHIC, CKAC, CKNC, CKY, CNRC, CNRM, CNRO, CNRR, CNRW, KFAU, KFWA, KFXF, KLDS, KPRC, KPSN, KSAC, KUOA, KUOM, PWX, WBBR, WCAD, WCBD, WEAO, WEBW, WGBS, WGST, WHAZ, WIP, WJAZ, WKRC, WLW, WLWL, WMAK, WNAD, WRC, WREO, WRVA, WSAI, WSMB, WSUI, WTAM.

Eastern Time Stations

CNRA, Moncton, Can. (312.3m-960kc), 8 p. m., studio program; R. Metzler, tenor; Lorne McKendrick, reader; R. Gander, baritone; Mrs. W. Fitch, contralto; Roy Metzler, tenor; Gertrude McLellan, soprano; Mrs. G. Cole, soprano; G. Melanson, tenor; Mrs. Fred Ward, accompanist; 10, CNRA orchestra.

CNRT, Toronto, Can. (356.9m-840kc), 6:30 p. m., dinner concert, Luigi Romanelli and his King Edward hotel concert orchestra; 9, special St. George's Day program; folk songs, J. Campbell McInnis, baritone; Nathan Green, violinist; A. Clarke, accompanist; 11, Luigi Romanelli and his King Edward hotel dance orchestra.

KDKA, Pittsburgh, Pa. (309.1m-970kc), 6:30 p. m., dinner concert; 9, Johnson C. Bane, H. R. Truitt, guitarists; 9:30, Juniata college glee club; 10:10, Teaberry time.

WABQ, Haverford, Pa. (260.7m-1150kc), 11 p. m., Ardmore theater program.

WAHG, Richmond Hill, N. Y. (315.6m-954kc) 7:30 p. m., studio program; 8, Great Artist organ recital; 9, Walter Sellers, tenor; 9:15, Leon Goldman, violinist; 9:30, Mabel Bestoff, soprano; 9:45, musicale; 10:02, Shell Beach trio; 10:30, Southland dance orchestra.

WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., dinner orchestra; 7:30-8, male quartet; 8-9, Geneva Fitz, soprano; Mary Knox Fitz, pianist; John Mealy, whistler; 9-10, WBAL trio; John Wilbourn, tenor.

WBZ, Springfield, Mass. (333.1m-900kc), 6:30 p. m., Hotel Kimball trio; 7:10, Hotel Lenox ensemble; 8, Edward J. McEnelly and his orchestra; 8:30, Russell Burbank; 9, St. Mark's colored quartet; 9:30, Vincent McAndrews.

WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert; 8, studio program; 9:30, WEAF; 10:30, WEAF.

WCAP, Washington, D. C. (468.5m-640kc), 6 p. m.-12:30 a. m., Mozart string quintet; WEAF.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:45 p. m., Clarence Seaman and his Hotel Pennsylvania orchestra;

Atwater Kent Program, April 18, over WEAF and Chain*

SCHOLA CANTORUM OF NEW YORK
Kurt Schindler, Conductor

(a) Church Music.
"Glory to the Trinity" (from the Liturgy).....Rachmaninoff
"O quam gloriosum" (Old Spanish Motets)
"Jesu dulcis memoria" (Old Spanish Motets)
"O vos omnes" (Old Spanish Motets).....Victoria

(b) For Women's Voices:
Song from Shakespeare's "Twelfth Night".....
The Gardener.....Brahms
Wedding Song from the opera "Sadko".....Rimsky-Korsakoff

(c) Lyric Pastorals:
"To Lovely Groves," (Bergerette).....Tessier
"Love Me Truly Sheperdess," (Bergerette).....Lefevre
"Mon ami est monte" (French-Swiss).....Doret

(d) Hungarian Rhapsody for Chorus (in two sections).....D'Antalffy

(e) English and American Songs:
"In These Delightful Groves".....Purcell
"Were You There?" (Spiritual).....Burleigh
"Deep River" (Spiritual).....Burleigh
"Swansea Town".....Gustave Holst

*The WEAF chain for the Atwater Kent hour (9:15 p. m. Eastern time, 8:15 p. m. Central time) includes WEAF, WOO, WGR, WCAE, WCAP, WJAR, WTAG, WGN, KSD, WCCO, WOC, WSAI, WEAR, WEEI.

WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., Goldkette ensemble; 8-9, studio program.

WEAF, New York, N. Y. (491.5m-610kc), 4-12 midnight, Evelyn Siedle, contralto; Felice string quartet; Vincent Lopez and his orchestra; Hires Harvesters, Clicquot Club Eskimos; Silvertown Cord orchestra.

WEAO, Columbus, Ohio (293.9m-1020kc), 8:15 p. m., music; 9, music.

WEAR, Cleveland, Ohio (389.4m-770kc), 7 p. m., Hotel Statler concert orchestra; 8, WEAF; 8:30, Workrite Radio artists; 9, WEAF; 10, bridge; 10:30, Vincent Percy, organist.

WEEI, Boston, Mass. (348.6m-860kc), 7:30 p. m., Rickenbacker's Olde Homestead group; 8-11, WEAF.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra; 7:15, feature, Keystone Automobile club; 8-11, WEAF.

WGBS, New York, N. Y. (315.6m-950kc), 8 p. m., Passion Play, Villa Nova College players; 9:30, Old-time minstrels; 10:30, orchestra.

WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., Vincent Lopez's Hotel Statler dance orchestra; 8:15, WEAF.

WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., Ten Eyck trio; 7:45, WFBL, WHAM; 9, WJZ; 10, musical program, Poughkeepsie; 11:30, Stephen E. Bolsclair, organist.

WHAR, Atlantic City, N. J. (275.1m-1090kc), 8 p. m., concert, soloists, Seaside hotel trio; 9, concert; 11, Follies Bergere dance orchestra.

WHGB, Clearwater, Fla. (265.3m-1130kc), 6:30-7:30 p. m., Belleair Estates orchestra; 8:30-10, Belleair Estates; 11:30-1 a. m., Ramble.

WHN, New York, N. Y. (361.2m-830kc), 6:30 p. m., Leon Berger's orchestra; 7, Iceland orchestra; 7:35, Cantor Israel Gottlieb; 7:45, Louise Danese, accordionist; 8, Will Oakland's Chateau; 8:30, entertainment bureau; 9:30, orchestra; 10:30, orchestra; 11, Swanee entertainers; 11:30, Everglades orchestra; 12, Sophie Tucker's playground.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin hotel concert orchestra; 7, Jimmie Berry, seven-year-old banjo-uke player; 8:15, Ralph Wilkins, baritone; 8:50, Harmon Choral society; 10:05, Nelson Maples and his S.S. Leviathan orchestra.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., symphony orchestra; 7:30, Ide and Meginnity; 9, Jean Goldkette's orchestra; 10, orchestra.

WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Hotel McAlpin string ensemble; 6:30, Parody orchestra; 7, Twin Oaks orchestra; 9, Nathan Straus serenaders; 10:30, Tango orchestra; Ernie Golden and his Hotel McAlpin orchestra.

WNYC, New York, N. Y. (526m-570kc), 8 p. m., songs; 8:30, violin; 8:45, dinner, Society of Old Brooklynites.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Adelphia dance orchestra.

WOR, Newark, N. J. (405.2m-740kc), 6:30 p. m., Jacques Jacobs Hotel Shelton ensemble.

WPG, Atlantic City, N. J. (299.8m-1000kc), 6:45 p. m., Arthur Brook, organist; 7, Hotel Morton dinner music; 7:30, Elks home dance music; 8, studio program; 8:30, bridge game; 9, Hotel Traymore concert orchestra; 10, Katz and His Kittens; 11, Eddie McKnight dance orchestra, Silver Slipper club.

WRC, Washington, D. C. (468.5m-640kc), 7 p. m., New Willard hotel orchestra; 8:30, WJZ; 9, WJZ, WGY, WCAD; 10, WJZ; 10:30, Meyer Davis' Le Paradis band.

WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., dinner concert, Speed-Wagon Serenaders; Gold Standard ensemble; 8:15, varied musicale; Reo broadcasting orchestra; string quintet; vocal and instrumental solos.

WRVA, Richmond, Va. (256.3m-1170kc), 7:30 p. m., Moment musicale trio; 8:30, William and Mary college band, orchestra, glee club, soloists.

WTAG, Worcester, Mass. (268m-1120kc), 8-8:30 p. m., Harry Horlicks dance orchestra; 9-11, WEAF.

WTIC, Hartford, Conn. (475.9m-630kc), 6:50 p. m., Bond trio.

WWJ, Detroit, Mich. (352.7m-850kc), 8 p. m., dinner concert; 8, WEAF.

WTIC TO OBSERVE PATRIOTIC DAY

MARKETS AND WEATHER

Daily Except Sunday

Eastern	Central	Mountain	Pacific
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.

WOAW (526m-570kc) Markets.

9:45	8:45	7:45	6:45

KDKA (309.1m-970kc) Livestock, grain.

10	9	8	7

WLS (344.6m-870kc) Livestock, markets, fruit.
WOS (440.9m-680kc) Hogs.

10:30	9:30	8:30	7:30

WFAA (475.9m-630kc) Markets.

10:45	9:45	8:45	7:45

WCCO (416.4m-720kc) Markets.
WHO (526m-570kc) Opening grain quotations, New York and Chicago stock exchange. Livestock, weather, roads.
WMC (499.7m-600kc) Weather, markets.

11	10	9	8

WOS (440.9m-680kc) Weather, hogs.

11:15	10:15	9:15	8:15

WTAG (268m-1120kc) Markets, weather.

11:30	10:30	9:30	8:30

WCCO (416.4m-720kc) Markets.

12 n.	11	10	9

KDKA (309.1m-970kc) Weather, livestock, grain.
WBAP (475.9m-630kc) Weather, cattle, grain.
WLS (344.6m-870kc) Poultry, dairy, hogs, sheep.
WOS (440.9m-680kc) Livestock, poultry, eggs, grain.

12:30 p. m.	11:30	10:30	9:30

WEAR (384.4m-780kc) Markets, weather.
WFAA (475.9m-630kc) Markets.

1	12 n.	11	10

WBAP (475.9m-630kc) Markets.
WHO (526m-570kc) Livestock, receipts. Weather, roads.
WOS (440.9m680kc) Livestock, weather.
WSWS (275.8m-1090kc) Market review.

1:30	12:30 p. m.	11:30	10:30

KTHS (374.8m-800kc) Markets, weather. market, apples.
WOAW (526m-570kc) Markets.

1:45	12:45	11:45	10:45

KOA (322.4m-930kc) Weather, roads, livestock, poultry.

2	1	12 n.	11

WOC (483.6m-620kc) Weather, grain, livestock, dairy.

3	2	1 p. m.	12 n.

WHO (526m-570kc) Livestock, Chicago and St. Louis closing cash market quotations, Chicago Board of Trade, N. Y. Stock exchange.
WLS (344.6m-870kc) Livestock, grain, dairy, fruit, vegetables.
WOS (440.9m-680kc) Livestock, markets, grain.

3:30	2:30	1:30	12:30 p. m.

WFAA (475.9m-630kc) Markets.

3:50	2:50	1:50	12:50

WWJ (352.7m-850kc) Weather, markets.

4	3	2	1

WCCO (416.4m-720kc) Markets.
WFAA (475.9m-630kc) Markets.

6:45	5:45	4:45	3:45

KSAC (340.7m-880kc) Market review.

8	7	6	5

KOA (322.4m-930kc) Sheep, markets, livestock, poultry.

Friday, April 23

7:30, Snellenburg's instrumental trio; 8, Enrico Aresoni, operatic tenor; 8:30, Singing Groundhog; 8:45, Bryan Girl; 9, Regina Crooners; 9:15, Dwight Strickland, poetician; 9:30, Melody orchestra; 10, Archie Lloyd, songs; 10:30, Jack Myers' Musical Architects.

WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., Goldkette ensemble; 8-9, studio program; 9-10, Jean Goldkette's Breeze Blowers.

WEAF, New York, N. Y. (491.5m-610kc), 4-12 midnight, Aletta Crump; Raymond Trundy, pianist; John Butler, Jr., tenor; Vincent Lopez and his orchestra; Happiness Candy Boys; Eagle Neutrodyne; Whittall Anglo-Persians; Ben Bernie and his orchestra.

WEAR, Cleveland, Ohio (389.4m-770kc), 7 p. m., Wormack's Singing Syncopators; 8:15, studio program; 9:30-10:30, WEAF; 10:30, Wormack's Singing Syncopators.

WEBJ, New York, N. Y. (272.6m-1100kc), 7 p. m., Achille Minutolo orchestra; 8, Jack Gall, concert pianist; 8:15, Smyrna quartet; 8:30, Al Ciccones Harlem Tea Garden orchestra.

WEEI, Boston, Mass. (348.6m-860kc), 6:13 p. m., Joe Rines and his Hunters' Cabin orchestra; 7:30, Whiting Milk company program; 8, musicale; 8:30, Neapolitan girls' quintet; 9-11, WEAF.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra.

WGHB, Clearwater, Fla. (265.3m-1130kc), 6:30-7:30 p. m., dinner music; 8:30-10:30, program, L. B. Skinner company developers; Dave Gootenberg, violinist; Blanche Clago, soprano; 11:45-1 a. m., Graham Prince and his orchestra.

WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., Clef trio; 7:30, WEAF; 8, Audubon Terrace Meadow Larks; 8:30, J. Blosek, piano recital; 9, Winger's Crescent Park entertainers; 9:30, popular program, Lynn Gearhart; 10, WEAF; 10:30, Hewitt Humorists; 11, Vincent Lopez's Hotel Statler dance orchestra; John F. Gunderman, organist.

WGY, Schenectady, N. Y. (379.5m-790kc), 7 p. m., orchestra, WHAM, WFBL; 8:15, "A Step On the Stairs;" 8:30, "Rob Roy," WGY Light Opera company; 10:30, Louise Eades, contralto; Ernest Bliss, baritone; David Weiss, violinist; Julia Lemmle, accompanist.

WHAR, Atlantic City, N. J. (275.1m-1090kc), 8 p. m., concert, Seaside hotel trio.

WHN, New York, N. Y. (361.2m-830kc), 6:30 p. m., Woodmanston Inn orchestra; 7, Harry Richman and his entertainers; 7:30, Treasureland Neighbors; 8:05, Harriet Merber, pianist; 8:20, Frank H. Ochs, tenor; 8:35, Leon Goldman, violinist; 8:50, Fitzpatrick Brothers; 9, Alan Stone's orchestra; 10:30, Anatol Friedland; 11:30, Kit Kat entertainers; 12, Silver Slipper orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin hotel concert orchestra; 7, William A. Fromholzer, violinist.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., symphony orchestra; 7:30, Arctic Specials; 9, Mulkey Celebrities; 9:30, symphony.

WLIT, Philadelphia, Pa. (394.5m-760kc), 9:30 p. m., Schickerling Tube concert; 10, Morning Glory club concert; 10:30, Rufus and Rastus; 11, Freshman hour of music.

WMAK, Buffalo, N. Y. (265.3m-1130kc), 7:30 p. m., Californians entertainers; 8:30, musicale; 9-10, Sunrise Point Development company.

WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Olcott Vail and his Hotel McAlpin string ensemble; 6:30, Hotel McAlpin orchestra; 7:30, Sach's Musical Monarchs; 8:45, Broadway association Harman hour of music; 10, Donald Flamm; Hofbrau Haus entertainers; 11:30, Jack Denny's orchestra; 12, entertainers.

WNYC, New York, N. Y. (526m-570kc), 7:35 p. m., lecture; 8, Spelling Bee; 9:30, piano.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Sylvania dance orchestra; 8, recital; 9:25, Fox theater symphony orchestra; 10:15, organ recital; 10:30, Ritz-Carlton dance orchestra.

WOR, Newark, N. J. (405.2m-740kc), 6:45 p. m., Hotel Bretton-Hall quartet.

WPG, Atlantic City, N. J. (299.8m-1000kc), 6:45 p. m., Arthur Brook, organist; 7, Hotel Ambassador dinner music; 8:15, Sol Kendis and Chick Leonard, entertainers; 8:30, Katz and his Kittens; 9, Hotel Traymore concert orchestra; 9:30, dance orchestra; 10, James' Salt Water Taffy Boys' dance orchestra; 11, Jean Wiener, organist.

WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., dinner concert, Speed-Wagon Serenaders; Gold Standard ensemble.

WRVA, Richmond, Va. (256.3m-1170kc), 7 p. m., Hotel Richmond orchestra; 7:20, Mrs. May Righter, soprano; R. Lynn Tucker, tenor; 9, special feature; 10, Hotel Richmond Winter Garden orchestra, Art Perkins and his uke.

WTAG, Worcester, Mass. (268m-1120kc), 8:15-10 p. m., program, Mabel V. Sheldon; 10-10:30, WEAF.

WTIC, Hartford, Conn. (475.9m-630kc), 6:30 p. m., Hub trio; 8:15, Brown university musical clubs; 10:30, Emil Heimberger's Hotel Bond dance orchestra.

WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 8, Detroit News orchestra; 9:30, WEAF; 10:30, dance program.

Central Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 8:30-10:30 p. m., Nebraska Wesleyan glee club.

KFNF, Shenandoah, Iowa (263m-1140kc), 7:30 p. m., mixed program, Lafe Corbin, director.

KFRU, Columbia, Mo. (499.7m-600kc), 6:15 p. m., dinner music; 12-2 a. m., musical program.

WGBF, Evansville, Ind. (236.1m-1270kc), 8 p. m., M. A. L. Maxwell.

WGN, Chicago, Ill. (302.8m-990kc), 6:55-7 p. m., Drake concert ensemble, Blackstone string quintet; 8-8:30, WEAF; 8:30-9, music; 9-9:30, WEAF; 9:30-10, Phantom violin; 10, Sam 'n' Henry; 10:10, old-time favorites; 10:20, the Play Shop; 10:45-11, studio ensemble.

WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., concert, glee club, Louisville and Jefferson county children's home; Mrs. S. Hunt, soprano.

WHB, Kansas City, Mo. (365.6m-820kc), 7-8 p. m., Tilford's Emporia junior orchestra.

WHT, Chicago, Ill. (399.8m-750kc), 6 p. m., classical program; dinner organ recital, Al Carney; Grayling's string trio; Helen Rauh, pianist; Charles Hussey, basso; 6:50, Ray-O-Vac concert; 9:15, Cinderella cafe orchestra; 9:30, Sunbeam Girls; 12, Pat Barnes and Al Carney.

WJAD, Waco, Tex. (352.7m-1190kc), 8:30-10 p. m., Baptist Radio B. Y. P. U. program.

WJJD, Mooseheart, Ill. (370.2m-810kc), 8-9 p. m., children's hour; 10-11, feature hour; Senator Harold C. Kessinger; Palmer House Victorians; Jean St. Anne; 12:30 a. m., frolic.

WHO, Des Moines, Iowa (526m-570kc), 7:30-9 p. m., Gertrude Nourse, pianist; Piersol and Kaushaar, tuneful teachers; Mrs. B. Mills, soprano; Mrs. Lewis Bolton, pianist; 11-12, Philbreck and his orchestra.

WJAZ, Chicago, Ill. (322.4m-930kc), 9-1 a. m., Club Chez Pierre; Richard Low, Chinese concert baritone; Chez Pierre Hawaiian trio; Earl Hoffman's Chez Pierre orchestra.

EDUCATIONAL FEATURES

Monday, April 19

Eastern	Central	Mountain	Pacific
6:30 p. m.	5:30 p. m.	4:30 p. m.	3:30 p. m.

WNYC (526m-570kc) German lessons, V. H. Berlitz.

7	6	5	4

WEAF (491.5m-610kc) Columbia university lecture.

8:15	7:15	6:15	5:15

KDKA (309.1m-970kc) University of Pittsburgh.

8:30	7:30	6:30	5:30

WSUI (483.6m-620kc) College of the Air.

8:40	7:40	6:40	5:40

KFKU (275.1m-1090kc) "Development of Life During Middle and Later Earth History," Dr. R. C. Moore.

8:45	7:45	6:45	5:45

WGR (319m-940kc) Astronomy, Rev. P. F. Cusick.

9	8	7	6

CKY (384.4m-780kc) U. of Manitoba.
WHA (535.4m-560kc) "How Play Educates Children," Mrs. Edith E. Hoyt.

10	9	8	7

KUOM (243.8m-1230kc) Talks, Sidney Hayes Cox, Calvin Crumbaker.

10:30	9:30	8:30	7:30

KWSC (348.6m-860kc) "History of the Northwest," Dr. E. A. Bryan.
WHAZ (379.5m-790kc) Prof. George Howard Carragan.

Tuesday, April 20

Eastern	Central	Mountain	Pacific
7 p. m.	6 p. m.	5 p. m.	4 p. m.

WKAR (285.5m-1050kc) Nature study.

7:10	6:10	5:10	4:10

WRC (468.5m-640kc) Radio school of international relations.

7:30	6:30	5:30	4:30

WBZ (333.1m-900kc) Journalism, Edward E. Whiting.

8:15	7:15	6:15	5:15

KDKA (309.1m-970kc) "Historical Anniversaries of 1926," Dr. John W. Oliver.

10	9	8	7

WMAQ (447.5m-670kc) Lecture, University of Chicago.

11	10	9	8

CNRV (291.1m-1080kc) "Canadian Immigration and Emigration," H. F. Angus.

Wednesday, April 21

Eastern	Central	Mountain	Pacific
6:30 p. m.	5:30 p. m.	4:30 p. m.	3:30 p. m.

WNYC (526m-570kc) Spanish lesson, V. H. Berlitz.

7	6	5	4

WJZ (454.3m-660kc) New York university course.

Eastern	Central	Mountain	Pacific
7:40 p. m.	6:40 p. m.	5:40 p. m.	4:40 p. m.

WTAG (267.7m-1120kc) Spanish lesson, Mrs. John De La Parra.

8:30	7:30	6:30	5:30

WEAO (293.9m-1020kc) "Some Recent Achievements of Chemistry," Prof. W. L. Evans.
WSUI (483.6m-620kc) College of the Air.

9	8	7	6

WMAQ (447.5m-670kc) Lecture, Northwestern university.
WTIC (475.9m-630kc) "Modern American Poetry," Prof. Wilbert Snow.

11	10	9	8

WSAI (325.9m-920kc) U. of Cincinnati.

Thursday, April 22

Eastern	Central	Mountain	Pacific
7 p. m.	6 p. m.	5 p. m.	4 p. m.

WKAR (285.5m-1050kc) Nature study series.
WGST (270.1m-1110kc) "Fixation of Atmospheric Nitrogen," Dr. D. B. Wroth.

8	7	6	5

KFKU (275.1m-1090kc) "The Process of Forming a French Ministry," Prof. Herman B. Chubb.

8:30	7:30	6:30	5:30

WEAO (293.9m-1020kc) "Philosophy of Life," J. A. Leighton.
WSUI (483.6m-620kc) Correspondence courses.

10	9	8	7

KUOM (243.8m-1230kc) "Training for Business," E. R. Sanford.
WMAQ (447.5m-670kc) Lecture, University of Chicago.

Friday, April 23

Eastern	Central	Mountain	Pacific
6:30 p. m.	5:30 p. m.	4:30 p. m.	3:30 p. m.

WNYC (526m-570kc) French lesson.

7	6	5	4

WJZ (454.3m-660kc) New York university course.

8	7	6	5

CNRT (356.9m-840kc) "Mining in Ontario," Prof. H. E. T. Haultain.

8:15	7:15	6:15	5:15

KDKA (309.1m-970kc) "In Praise of Shakespeare," Percival Hunt.

9	8	7	6

WHA (535.4m-560kc) "The Spirit of These Times," Susan B. Davis.

10:15	9:15	8:15	7:15

WTIC (475.9m-630kc) Cartoon lessons, Bud Kingston.

10:30	9:30	8:30	7:30

KWSC (348.6m-860kc) U. of Washington.

10:45	9:45	8:45	7:45

KOAC (280.2m-1070kc) "Earth Stages in the Earth's History," D. C. Livingston.

A Rocky Mountain poet is Dorothy Helen Ellerly, above. She often reads her verse which shows decided promise at KOA, Denver.

WSOE, Milwaukee, Wis. (245.8m-1220kc), 9 p. m., Candygram revue; Croatian tamburica orchestra; Edwin Franz, pianist; Veronica Sullivan, contralto; Norville Barkdoll, declamist.

WSWS, Chicago, Ill. (275.8m-1090kc), 6 p. m., vocalists, quartet; 8, Samovar orchestra; Oxford Girls; 10, Alt and Moran, Hawaiian guitarists; artists.

Mountain Time Stations

CNRE, Edmonton, Can. (516.9m-580kc), 8:30-10:30 p. m., second anniversary concert program, Women's Musical club; 11:30-12:30 a. m., Rialto hour, Tom Gardiner and his orchestra; operatic selections.

KFWA, Ogden, Utah (260.7m-1150kc), 9-10 p. m., Olie Reeves and his orchestra; 10-11, music, Paramount theater; 11-12, dance music.

KFXF, Colorado Springs, Colo. (249.9m-1200kc), 9 p. m., Hammond Cottage city dance orchestra.

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra; 8, Scheuerman's Colorado orchestra; 8:15, St. Elizabeth church choir; Scott Methodist Episcopal church.

KOB, State College, N. Mex. (348.6m-860kc), 7:30-8:30 p. m., musical program, American Legion.

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 5:30 p. m., Kenneth Morse's orchestra; 7-7:30, Carlyle Stevenson's orchestra; 7:30-8, Spanish half-hour, Felipe Delgado, tenor; 8-9, Dan L. McFarland, organist; 9-9:30, popular songs; 9:30-10, Mutual Motors mirth contest; 10-11, Packard ballad hour.

KFON, Long Beach, Calif. (232.4m-1280kc), 7-8 p. m., program, Dalton and Hoagland company; 8-9, Press-Telegram studio; 9-10, program, F. C. Munro, realtor; 10-12, Long Beach Elks Lodge No. 888 frolic.

KFWB, Hollywood, Calif. (252m-1190kc), 6:30-7:30 p. m., Pontiac Six dinner hour; 8-9, program, John Wright, The Right Tailor; 9-10, Blue Ribbon program; 10-11, Warner Brothers frolic.

KGO, Oakland, Calif. (361.2m-830kc), 6-6:55 p. m., dinner concert, Knickerbocker trio.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., Olds, Wortman and King company; 8-9, concert; 9-10:30, Sherman Clay and company; 10:30, Hoot Owls.

KHJ, Los Angeles, Calif. (405.2m-740kc), 8-10 p. m., Tower studio de luxe program.

KJR, Seattle, Wash. (384.4m-780kc), 7-8:30 p. m., Lundquist-Lilly quartet, old-time songs; 8:30-10, Post Intelligencer studio program.

KLX, Oakland, Calif. (508.2m-590kc), 8-9:45 p. m., Western Auto Supply company; 9:45-10:30, Athens Athletic club orchestra.

KMTR, Hollywood, Calif. (238m-1260kc), 8-10 p. m., KMTR concert orchestra.

KNX, Hollywood, Calif. (336.9m-890kc), 6:30-7 p. m., Atwater Kent concert orchestra; 7-8, popular song program; 8-9, Charlie Melson and his Playboys; 9-10, Ordel of Optimistic Donuts; 10-11, fights, blow by blow, Hollywood American Legion stadium; 11-12, Ray West's Cocoanut Grove dance orchestra.

KOAC, Corvallis, Ore. (280.2m-1070kc), 7:20 p. m., Arthur R. Kirkham, tenor; 8:15-9:15, music.

KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7 p. m., States restaurant orchestra; 8-9, Edith Caubu, pianist; 9-10, Palace hotel dance orchestra; 10-11, States restaurant orchestra.

KTAB, Oakland, Calif. (239.9m-1250kc), 8-10 p. m., Breuners.

KWSC, Pullman, Wash. (348.6m-860kc), 7:30-9 p. m., Phi Epsilon steel quartet; Gladys Anderson, violinist.

KFKX, Hastings, Nebr. (288.3m-1040kc), 9 p. m., Lutheran church.

KFMX, Northfield, Minn. (336.9m-890kc), 10-11 p. m., organist.

KMA, Shenandoah, Ia. (252m-1190kc), 6-7 p. m., Howdo-you-do, Boys Grady and Doc, Aunti Blossom; 9-11, musical program, orchestra music.

KMOX, St. Louis, Mo. (280.2m-1070kc), 6 p. m., Arthur Utt, organist; 6:20, organ recital, Mrs. Jacques Landree; 7, orchestra; Leonard Phillips, baritone; 8, music-lovers' hour; 9, trio; 10, dance music.

KOIL, Council Bluffs, Iowa (277.6m-1080kc), 6:05 p. m., Jack and Jill; 6:30, Randall's Royal Fontenelle orchestra; 7:30, Marie Salisbury, violinist; Kathryn Skinner, cellist; 8:30, Dresher Brothers entertainers; 11, Hotsy Totsy hour.

KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., program; 7:30, Eugene Enzinger, baritone; Mrs. Frank Habig, pianist; 8-10, WEAF.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9-9:30 p. m., Lawson Reid, organist; 9:30-10, opera selections, New Arlington Hotel Grand ensemble; 10-11, College Ramblers orchestra.

KYW, Chicago, Ill. (535.4m-560kc), 6-6:15 p. m., KDKA; 6:30-7, Congress hotel; 9-10, Federal Masters artists; 10, revue.

WAMD, Minneapolis, Minn. (243.8m-1230kc), 7:05 p. m., Hartman Twins, Frank and Ernest; 7:15, Minneapolis public school hour; 11, Skyrocket frolic.

WADC, Akron, Ohio (285.5m-1160kc), 6:30 p. m., Hotel Portage quintet; 8, studio program; 10, India Owl's.

WBAP, Fort Worth, Tex. (475.9m-630kc), 6-6:30 p. m., Texas hotel orchestra; 7:30-8:30, Texas Christian university; 9:30-11, Samuel L. Ball school; 11-12, Panther Hawaiian trio.

WBBM, Chicago, Ill. (225.4m-1330kc), 8-10 p. m., Two Jays, Corinne Jordan; Alemite orchestra.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6:15 p. m., dinner concert, Dick Long's Nankin cafe orchestra; 8, Watkins family party; 9, WEAF; 10:05, Dick Long's Nankin cafe dance orchestra.

WDAF, Kansas City, Mo. (365.6m-820kc), 8-9:30 p. m., Missouri Pacific Boosters club; 11:45-1 a. m., Nighthawk frolic; Ted Weems' Victor Recording orchestra; Billy Adair's orchestra; Ted Meyn, organist.

WEBH, Chicago, Ill. (370.2m-810kc), 7-8 p. m., Oriole orchestra; Pauline Sachs, soprano; Eleanor Kaplan, violinist; 9-9:15, news; 9:15-10, Jack Sieberg, pianist; Jack Simons; 11-12:30 a. m., Oriole orchestra.

WENR, Chicago, Ill. (265.3m-1130kc), 6-7 p. m., Rauland lyric trio; 8-9, evening hour; 9-10, All-American Pioneers; 12-2 a. m., All-American Pioneers.

WFAA, Dallas, Tex. (475.9m-630kc), 6:30-7:30 p. m., Shaw-Smith orchestra; 8:30-9:30, Southland Life Insurance company, symphonic music.

WLIB, Chicago, Ill. (302.8m-990kc), 7:30-8 p. m., musical program; 11-11:20, Correll and Gosden; 11:30-12:30 a. m., ensemble, dance music, harmony duos.

WLS, Chicago, Ill. (344.6m-870kc), 7:15 p. m., College Inn orchestra; 7:30, Ralph Emerson, organist; 8:30, Women's symphony of Chicago; 9, Kathleen March Strain, contralto; Marie Kettering, pianist; 9:30, Women's symphony of Chicago; 10-11, popular music.

WMAQ, Chicago, Ill. (447.5m-670kc), 6-7 p. m., Women's World's fair; 8-10, Women's World's fair.

WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon duo; Rosaline Wallach, violinist; Arvid L. Anderson, baritone; 9-11, Trianon orchestra; Woodlawn theater orchestra; WMBB male trio; Joe Warner; Norman Hart, baritone; Andy Anderson, tenor.

WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Cooper's Hawaiians; 11, Bob Miller's orchestra.

WOAI, San Antonio, Tex. (394.5m-760kc), 8:30 p. m., San Antonio College of Music.

WOAW, Omaha, Nebr. (526m-570kc), 6:20 p. m., Francis Potter's banjo orchestra; 6:50, Gilbert Jaffy, violinist; Nat Young, pianist; 9, Puritan program; 10:30, Frank Hodek and his Nightingale orchestra.

WOC, Davenport, Iowa (483.6m-620kc), 7:30-8 p. m., Earl Ferris Nursery trio; 8-9, L. E. Schroeder, baritone; Morris Lundahl, organist; 9-9:30, WEAF; 10:30, "A Step On the Stairs."

WOK, Chicago, Ill. (217.3m-1380kc), 10-1:30 a. m., Tearney's Town club orchestra; Pershing Palace orchestra; Capitol theater program; program.

WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9:15-10 p. m., classical concert; Clarence Roth, violinist; Howard Gillesby, xylophonist; Marian Lypps, soprano; Dora Waters, pianist; Claire Travis, trombonist; Leona Skory, violinist; Jane Jennings, soprano; Jack Zaremba, baritone; 10-11, classical program; 11-12, Regent Roof Radio frolic, Bill Dallavo and his orchestra.

WORD, Batavia, Ill. (275.1m-1090kc), 7 p. m., North Shore line; 9, program.

WOS, Jefferson City, Mo. (440.9m-680kc), 8:20 p. m., Commercial club, Mountain Grove; 10, Vee Latty and band.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Gardens orchestra; 10-1 a. m., Skylarks; Eleanor Terry; Hawaiian trio; 1-2, Ginger hour.

WRR, Dallas, Tex. (245.8m-1230kc), 6-7 p. m., Jack Gardner's orchestra; 8-9; Dr. James A. Wood and mixed quartet; 11-12, frolic.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., First Baptist church choir; 10:45, entertainment.

WSBT, South Bend, Ind. (275.1m-1090kc), 7:15 p. m., orchestra, concert.

WSM, Nashville, Tenn. (282.8m-1060kc), 6:30 p. m., concert, Francis Craig's orchestra; 8, pianists; 10, pupils, Miss Sloan and Mrs. Schmitz, Ward-Belmont college.

Elmer Tidmarsh Plays for WGY

SCHENECTADY, N. Y.—A weekly Sunday afternoon feature of the program of WGY is an organ recital by Elmer Tidmarsh, director of music of Union college. These programs are played on the organ of the new memorial chapel at the college in Schenectady. The Sunday afternoon concerts are broadcast at 4:30 p. m. Eastern time, and will be continued until June 1.

CKNC, Toronto, Raises Power

TORONTO, Ont.—CKNC, station of the Canadian National Carbon company here, has again increased its power, this time to 750 watts. A type 1-B Northern Electric transmitter has just been installed. CKNC believes it will now be heard better throughout the United States.

Put Indian Sign on Radio Words

LONDON.—In all the studios of the British Broadcasting company notices have been posted up requesting artists in all their transmissions to refer to "listeners" and not to "listeners in," and to say "broadcast" and not "broadcasted."

DX RADIO BETTER AT 600 MILES THAN 300

STARTLING REVELATION IS MADE BY WGY SURVEY

General Electric Engineers Find Fading Cuts Close-by Signals—See Weather as Factor

SCHENECTADY.—Radio signals are better 600 miles from a broadcast transmitter than they are 300 miles, according to engineers of the Radio department of the General Electric company, under whose supervision an exhaustive investigation of Radio wave propagation is now being made.

For several weeks past, thousands of listeners have been cooperating with the General Electric company by reporting on reception of signals on broadcast bands. These cooperative tests are still under way and the conclusions are only such as suggest themselves from the preliminary reports. The engineers do not claim that the conclusions are absolute and caution that more exhaustive investigation may reveal some facts not yet apparent.

Why Station Is Better at 600 Miles

In observing the variation of signal strength, it was found that the strength of the signal drops off rapidly during the first 300 miles from the station and that contrary to what might be expected, the signal strength actually increases and is apparently a little stronger at 600 miles than at 300 miles. Beyond the 600-mile point, the strength decreases again slowly to the limit of the range of the station. These distances are not definite values; they are averages from a large number of reception reports.

A study of the zones in which fading occurs shows that it is worst at about 200 to 500 miles from the station, and this zone, from 200 to 500 miles, is the territory in which there is the greatest percentage of "rapid fading" reports. Broadcast service is better at 600 than 300 miles from a station because fading is less and the signal strength is slightly greater.

These distances vary slightly with the power of the transmitter. Rapid fading is not often observed, however, and in this respect the regular broadcast waves seem to be different from the short waves. The reports indicate that the date of fading increases steadily as the wave length grows shorter.

May Predict Radio Reception

The main objective of the investigation in cooperation with widely scattered, volunteer assistants, is to answer the question: what is the relation between weather and Radio reception, or do weather conditions influence Radio? Variations of signal strength, static and fading are all bugaboos of the listeners and an effort is being made to relate these irregularities to changes in barometric pressure and temperature.

If definite relationships between Radio reception and weather conditions can be established, it will be possible to predict receiving conditions in any part of the country as reliably as it is now possible to forecast weather conditions.

Thus far investigations by General Electric engineers indicate that the connection between barometric pressure and temperature with Radio conditions is not definite, or if it is definite, that it is so complex that it is not yet understood. Temperature seems to have no effect on the signals themselves, although it is known that in summer there is an increase in static.

The study so far shows that the barometer makes little difference when both transmitter and receiver are at the same pressure. When transmission is from a high to a low pressure area, transmission is best at short and long distances, but at medium distances of about 600 miles, it is best from an area of low pressure to an area of high pressure. The phenomena is apparently related to the distribution of storm areas over the country and requires a great deal more study.

COP OF SMOKY CITY TWEETS SYMPHONY

PITTSBURGH, Pa.—Conductor Saudek of the KDKA Little Symphony orchestra started something when he gave a whistle of surpassing musical tones to a traffic policeman whose corner is near the conductor's studio. The idea is spreading. Conductor Saudek has had numerous inquiries since he made a musical cornerman out of the policeman near his studio.

George Junkin at KMOX

ST. LOUIS.—George Junkin, "he of the smiling voice," who has been heard for recent weeks from Station WSWS, S. W. Straus & Co., Chicago, has been selected as the new announcer at Station KMOX, "The Voice of St. Louis."

Marconi Recovers From Operation

LONDON.—Senatore Guglielmo Marconi is recovering from a minor operation here. It was feared that he was suffering from appendicitis but an operation proved this not to be the case. As soon as he is fit to travel, the "Radio wizard" will go to Naples to join his yacht.

Will Tell Balloon Race Over Mikes

Stations Along Route of Flyers Will Keep Listeners Informed on Progress of Racers

HOT SPRINGS, Ark.—G. C. Arnoux, director-announcer for Station KTHS, the New Arlington hotel at Hot Springs National Park, here, has been appointed as a member of the meterological and aerological committee for the Little Rock Air meet association in connection with the staging of the 1926 National Elimination Balloon races to be held in that city April 29 and 30, according to an announcement by the association.

Radio will play a big part in the holding of the balloon races this year, according to the preliminary plans which include an elaborate system of Radio information on wind and weather to be sent out by representative broadcasting stations throughout the section of the country likely to be traversed by the racers. Selection of the stations to participate will be announced shortly. A picked group of powerful stations will take part.

In addition, plans are being worked out to broadcast a Radio picture of the entire race meet direct from the field, through Station KTHS. Speeches by famous figures in air development and national leaders who will attend will form a part of this program.

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By special arrangement, Radio Digest is able to offer its readers a great opportunity to secure fine photogravures of their favorite Radio stars at practically no cost. Below is only a partial list of the photogravures now included in the Gallery of Radio stars. Complete list in April 10 issue.

16 Leo Fitzpatrick, "Merry Old Chief," WJR
17 Henry Field, 1925 Gold Cup runner-up
18 Al Carney, organ favorite at WHT
20 Vincent Lopez, No. 1 Pennsylvania orchestra
21 E. L. Tyson, pleasing voice at WWJ
23 Art Gillham, "The Whispering Pianist"
24 Paul Greene, announcer at WSAI, "bridge voice"
25 Harry Ehrhart, "Dream Daddy" at WLIT
26 Correll and Gosden of "Kinky Kids Parade" fame, at WEBH and other stations.
27 Norman Brokenshire, popular at WRC, WJZ

COUPON NO. 17

This coupon entitles the holder to one photogravure selected from the Radio Digest Gallery of Radio Stars when accompanied by ten cents to pay the cost of mailing and postage. Three consecutively numbered coupons entitle the holder to three photogravures when accompanied by 25 cents. Remittance must accompany the coupon. Cash at your risk. Add 5 cents to personal checks for exchange.

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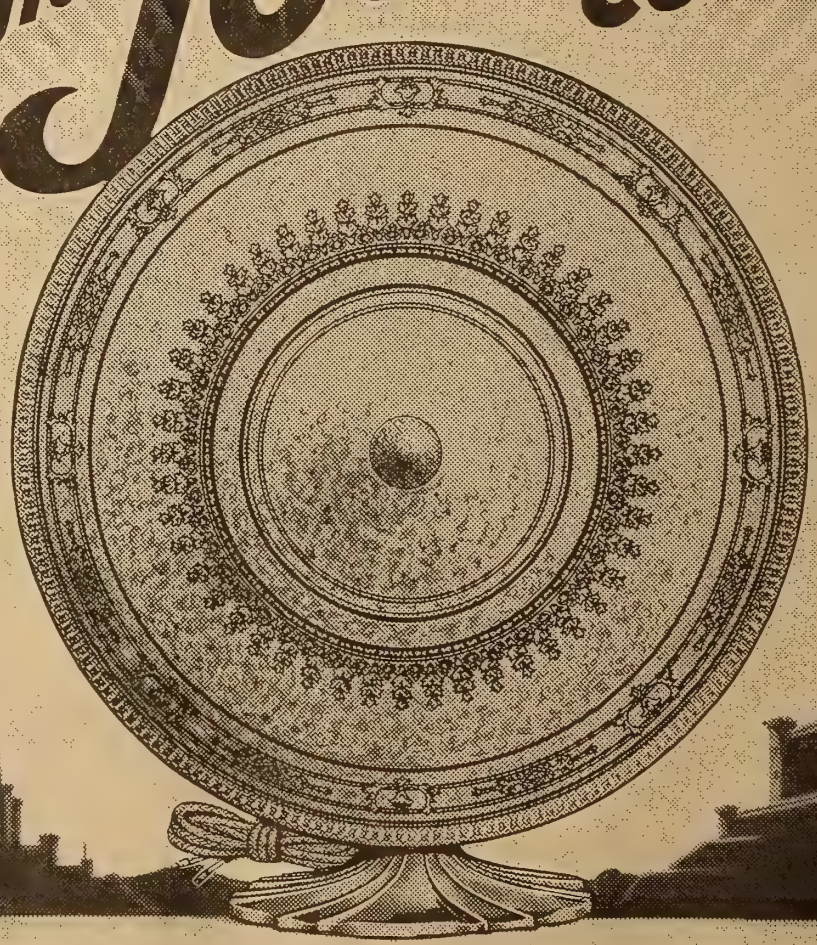

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AT9	Fort Bragg, N. C.	435	Silent	6:00- 7:00	Silent	Silent	Silent	8:00- 9:55	Silent
CFCA	Toronto, Ont.	356.9	Silent	7:00- 9:00	6:45- 7:45	Silent	7:00-12:00	Silent	Silent
CFCN	Calgary, Alta.	434.5	12:00- 2:00	Silent	Silent	Silent	Silent	10:00-11:00	Silent
CJCA	Edmonton, Can.	516.9	11:00- 1:00	9:30-10:30	9:30-11:30	9:30-10:00	8:00-10:00	11:00- 1:00	10:00-1:00
CKAC	Montreal, Que.	410.7	7:00-11:30	2:45- 3:45	Silent	7:00-11:30	Silent	7:30- 9:30	Silent
CKCL	Toronto, Ont.	356.9	7:00- 8:00	3:00- 4:55	Silent	7:00-11:50	Silent	7:00- 8:00	Silent
CKNC	Toronto, Ont.	356.9	8:00-10:00	Silent	8:00-11:00	Silent	Silent	Silent	Silent
CKY	Winnipeg, Man.	384.4	9:00-12:00	8:00-11:00	9:00- 1:00	Silent	8:30-12:00	9:30-12:00	Silent
CNRO	Ottawa, Ont.	434.5	8:30- 1:30	Silent	Silent	Silent	8:30- 1:30	Silent	Silent
CYL	Mexico City, Mex	480	Silent	10:24-11:54	Silent	10:24-11:54	Silent	Silent	10:24-11:54
CZE	Mexico City, Mex.	350	9:24-10:24	Silent	9:24-10:24	9:24-10:24	9:24-10:24	9:24-10:24	9:24-10:24
KDKA	Pittsburgh, Pa.	309.1	6:30- 9:55	4:00- 8:45	6:30- 9:55	6:30-12:35	6:30- 9:55	6:30-12:00	6:30- 9:55
KFAB	Lincoln, Nebr.	340.7	6:30- 3:00	5:00-12:00	6:30-11:30	6:30-11:30	6:30-11:30	Silent	6:30-11:30
KFDM	Beaumont, Texas	315.6	Silent	9:00-10:00	Silent	9:00-11:30	Silent	Silent	9:00-11:30
KFH	Wichita, Kan.	268	11:00-12:00	8:15- 1:00	11:00-12:00	11:00-12:00	11:00-12:00	11:00-12:00	11:00-12:00
KFI	Los Angeles, Calif.	467	9:00- 6:00	7:00- 2:00	9:00- 2:00	9:00- 2:00	9:00- 2:00	9:00- 2:00	9:00- 2:00
KFJF	Okla. City, Okla.	260.7	7:30-11:45	3:30-12:45	7:30-11:45	7:30- 8:30	7:30- 1:00	7:30-11:45	7:30-11:45
KFKX	Hastings, Nebr.	288.3	6:30- 7:30	Silent	6:30-12:00	6:30- 7:30	6:30-12:00	6:30- 9:00	6:30-12:00
KFMX	Northfield, Minn.	336.9	Silent	8:00- 9:00	Silent	10:30-11:00	10:00-11:00	Silent	11:00-12:00
KFNF	Shenandoah, Ia.	263	8:00- 1:00	3:30- 9:30	8:00-10:00	8:00-10:00	8:00-10:00	8:00-10:00	8:00-10:00
KFOA	Seattle, Wash.	454.3	12:30- 2:00	Silent	10:00- 1:00	9:00- 2:00	10:00- 1:00	Silent	9:00- 2:00
KFON	Long Beach, Calif.	232.4	9:00- 2:00	9:00- 1:00	9:00- 2:00	9:00- 2:00	9:00- 2:00	9:00- 2:00	9:00- 2:00
KFQB	Fort Worth, Tex.	508.2	9:30-10:30	4:00- 9:30	9:30-10:30	9:30-10:30	Silent	9:30-10:30	9:30-10:30
KFRU	Columbia, Mo.	499.7	Silent	8:30- 9:30	7:15- 8:15	7:15- 8:15	10:00-12:00	7:15- 8:15	7:00- 3:00
KFUO	St. Louis, Mo.	545.1	Silent	5:00-11:15	9:00-10:00	Silent	10:15-11:15	Silent	Silent
KFVE	Univ'ty City, Mo.	240	10:15-11:15	Silent	10:15-11:15	10:15-11:15	10:15-11:15	Silent	10:15-11:15
KFWA	Ogden, Utah	260.7	11:00- 2:00	Silent	Silent	Silent	11:00- 2:00	Silent	Silent
KFWB	Hollywood, Calif.	252	11:00- 2:00	12:00- 2:00	10:30- 2:00	11:00- 2:00	11:00- 2:00	11:00- 2:00	10:10- 2:00
KFWI	San Francis., Calif.	226	Silent	11:00- 3:00	11:00- 3:00	Silent	11:00- 4:00	1:00- 3:00	11:00- 4:00
KFXF	Colorado Springs	250	11:00- 1:00	9:30-10:30	10:30-12:30	10:30-12:30	Silent	11:00- 1:00	Silent
KGO	Oakland, Calif.	361.2	11:10- 3:00	6:30-11:30	9:00- 1:00	9:00- 3:00	9:00-10:00	11:00- 4:00	9:00-10:00
KGW	Portland, Ore.	491.5	9:00- 3:00	10:30- 1:00	9:00- 1:00	9:00- 3:00	9:00- 2:00	9:00- 1:00	9:00- 3:00
KHJ	Los Angeles, Cal.	405.2	10:15- 1:00	7:00- 1:00	Silent	11:00- 1:00	11:00- 1:00	10:45- 1:00	11:15- 1:00
KIAF	Sihtipok, Minn.	421	Silent	3:00- 4:00	8:00- 9:00	Silent	8:00- 9:00	Silent	8:00- 9:00
KJR	Seattle, Wash.	384.4	11:30- 1:00	8:00- 1:30	10:00- 1:00	10:00- 1:00	10:00- 1:00	10:00- 3:00	10:00- 1:00
KLDS	Independence, Mo.	440.9	9:00-10:00	7:30-11:00	Silent	9:00-12:59	Silent	9:00-10:00	Silent
KLX	Oakland, Calif.	508.2	Silent	Silent	7:00- 1:30	Silent	7:00- 1:00	Silent	7:00- 1:30
KMA	Shenandoah, Iowa	252	7:00-12:00	5:00- 7:00	7:00-12:00	7:00-12:00	7:00-12:00	7:00-12:00	7:00-12:00
KMOX	St. Louis, Mo.	280.2	7:00-12:00	10:00-11:00	7:00-12:00	7:00-12:00	7:00-12:00	Silent	7:00-12:00
KNX	Hollywood, Calif.	336.9	8:30- 5:00	9:30- 1:30	8:30- 3:00	8:30- 3:00	8:30- 3:00	8:30- 3:00	8:30- 3:00
KOA	Denver, Colo.	322.4	11:00- 1:00	5:00-10:45	8:30-12:30	8:30-10:30	8:30- 2:00	8:30- 9:30	8:30-11:00
KOB	StateCollege, N.M	348.6	Silent	Silent	9:30-10:30	Silent	Silent	Silent	9:30-10:30
KOIL	Council Bluffs, Ia.	278	8:00- 4:00	8:00- 1:00	7:00- 1:00	7:00- 1:00	7:00- 8:15	7:00- 1:00	7:00- 1:00
KPO	San Francisco, Cal.	428.3	9:35- 3:00	8:00- 3:00	9:30- 3:00	9:30- 3:00	9:30- 3:00	9:30- 3:00	9:30- 3:00
KPRC	Houston, Texas	296.9	8:30-12:00	8:00- 1:00	7:30-11:30	8:30-11:00	7:30- 1:00	8:00-11:00	Silent
KPSN	Pasadena, Cal.	315.6	11:00- 1:00	11:45-12:45	Silent	11:00-12:00	Silent	11:00-12:00	Silent
KSD	St. Louis, Mo.	545.1	7:45-11:00	7:15-10:15	7:55-12:00	7:55-11:00	8:00-10:00	7:55-11:00	8:30-10:00
KSL	Salt Lake City, U.	299.8	10:00- 1:00	9:30-12:00	9:00- 1:00	9:00-12:30	9:30- 1:00	9:30- 1:00	9:30-12:00
KTAB	Oakland, Calif.	240	Silent	10:45-12:15	11:00- 1:00	11:00- 1:00	11:00- 1:00	12:00- 3:00	11:00- 1:00
KTBI	Los Angeles, Cal.	293.9	Silent	10:15-12:30	Silent	11:00-12:00	Silent	11:00-12:00	Silent
KTCL	Seattle, Wash	305.9	Silent	12:10- 9:10	10:00-11:00	11:00-12:00	Silent	Silent	10:00- 3:00
KTHS	Hot Springs, Ark.	374.8	10:00-11:30	10:00-12:30	10:00- 1:00	10:00-12:30	10:00-12:00	10:00-12:30	10:00-11:30
KTW	Seattle, Wash.	455	9:30-10:30	Silent	Silent	9:30-10:30	Silent	9:30-10:30	Silent
KUOA	Fayetteville, Ark.	299.8	Silent	Silent	Silent	8:30- 9:30	9:00-10:00	Silent	Silent
KWKH	Shreveport, La.	260.7	10:00- 1:00	8:00-12:00	10:00-12:30	10:00- 1:00	Silent	9:00-10:30	Silent
KWSC	Pullman, Wash.	348.6	Silent	Silent	10:30-12:00	Silent	10:30-12:00	Silent	10:30-12:00
KWWG	Brownsville, Tex.	278	7:00- 8:00	Silent	9:30-10:30	7:00- 8:00	7:00- 8:00	7:00- 8:00	7:00- 8:00
KYW	Chicago, Ill.	535.4	7:00- 1:00	3:30-12:00	Silent	7:00- 1:00	7:00- 1:00	7:00- 1:00	7:00- 2:00
NAA	Radio, Va.	434.5	Silent	Silent	7:45- 8:00	7:45- 8:00	7:25- 8:40	7:45- 8:00	7:45- 8:00
PWX	Havana, Cuba	400	8:30-11:00	8:00-10:15	8:30-11:00	8:30-11:30	8:00-10:15	Silent	Silent
WADC	Akron, Ohio	258	6:30- 7:30	6:30- 7:30	6:30- 7:00	6:30-11:30	6:30- 7:30	6:30-11:00	6:30-11:00
WAHG	Richmond, N. Y.	315.6	12:00- 2:00	Silent	8:00- 2:00	Silent	7:30-12:00	Silent	8:00-11:00
WAIU	Columbus, Ohio	293.9	9:15-11:00	3:00- 4:00	6:00-11:30	6:00-12:00	6:00- 7:00	6:00- 7:00	6:00-12:00
WAMD	Minneapolis, Minn.	244	7:15-11:30	8:00-11:00	8:00- 1:00	Silent	8:00- 1:00	7:15- 1:00	7:15- 1:00
WBAL	Baltimore, Md.	246	Silent	6:30- 8:30	6:30-10:00	6:30-10:00	Silent	6:00-10:00	6:30-10:00
WBAP	Fort Worth, Tex.	475.9	7:00-12:00	6:00-12:00	7:00- 1:00	7:00-12:00	7:00- 7:30	7:00- 1:00	7:00- 1:00
WBAR	Sisiht, Wis.	406	Silent	11:00-12:00	10:00-11:00	Silent	9:00-10:00	8:30- 9:30	Silent
WBBM	Chicago, Ill.	226	9:00- 3:00	5:00- 3:00	7:00- 8:00	9:00- 1:00	9:00- 3:00	9:00- 1:00	9:00-11:00
WBBR	Staten Island, N.Y	272.6	8:00-10:00	9:00-10:15	8:00- 9:00	Silent	Silent	8:00- 9:00	Silent
WBCN	Chicago, Ill.	266	10:00- 2:00	6:00- 1:00	Silent	10:00- 2:00	9:00- 1:00	10:00- 3:00	10:00- 2:00
WBPI	New York, N. Y.	263	6:00-11:45	Silent	6:00-11:00	6:00-11:00	6:00-11:00	6:00-11:00	6:00-11:00
WBZ	Springfield, Mass.	333.1	6:30-10:00	6:00-10:15	6:30-10:30	6:30-10:15	6:30-10:00	6:30-10:00	6:30-10:00
WCAE	Pittsburgh, Pa.	461.3	6:30- 9:15	4:00-10:15	6:30-12:00	6:30-12:00	6:30-11:00	6:30-11:00	6:30-11:30
WCAP	Washington, D. C.	468.5	Silent	4:00-10:15	7:00-11:00	Silent	7:00-11:00	Silent	6:00-12:30
WCAU	Philadelphia Pa.	278	Silent	5:00-11:30	8:00-11:30	6:45-11:30	6:45-12:00	6:30-12:30	6:45-11:30
WCBD	Zion, Ill.	344.6	Silent	9:00-11:30	Silent	9:00-11:30	Silent	9:00-11:30	Silent
WCCO	Minn-St. P., Minn	416.4	7:15-12:05	5:10- 9:15	7:15-11:00	7:15-11:00	7:45- 1:30	8:00-12:05	7:15-12:05
WCOA	Pensacola, Fla.	222	12:00- 1:00	Silent	7:30- 8:30	Silent	7:30- 8:30	Silent	7:30- 8:30
WCX	Detroit, Mich.	516.9	6:00- 7:00	7:15- 8:15	6:00- 9:00	6:00-11:00	6:00- 9:00	6:00- 9:00	6:00-10:00
WDAF	Kansas City, Mo.	365.6	7:00- 2:00	5:00- 5:45	7:00- 2:00	7:00- 2:00	7:00- 2:00	7:00- 2:00	7:00- 2:00
WDBO	Winter Park, Fla.	240	9:00-10:30	5:00- 6:00	9:00-10:30	9:30-11:00	9:00-10:30	9:00-10:30	9:00-10:30
WDWF	Providence, R. I.	440.9	Silent	Silent	Silent	8:30- 9:30	Silent	Silent	Silent
WEAF	New York, N. Y.	491.5	6:00-12:00	2:00-10:15	6:00-12:00	6:00-12:00	6:00-12:00	6:00-12:00	6:00-12:00
WEAN	Providence, R. I.	270.1	6:30-10:30	7:30- 8:45	6:30-10:30	6:30-10:30	6:30-10:30	6:30-10:30	6:30-10:30
WEAO	Columbus, Ohio	293.9	Silent	Silent	Silent	7:00- 9:00	8:00- 9:00	8:00-11:00	Silent
WEAR	Cleveland, Ohio	389.4	7:00- 1:00	7:00-10:15	7:00- 8:00	7:00-12:00	7:00- 8:00	7:00-11:00	7:00-12:00
WEBH	Chicago, Ill.	370.2	8:00- 3:00	6:00-10:00	Silent	8:00- 1:30	8:00- 1:30	8:00- 1:30	8:00- 1:30
WEBJ	New York, N. Y.	272.6	Silent	Silent	Silent	8:00- 9:00	8:00-10:00	Silent	7:00- 9:00
WEEI	Boston, Mass.	348.6	7:10-11:00	2:00-10:15	6:15-11:00	7:30-11:30	6:15-10:00	7:30-11:00	7:30-11:00
WEMC	BerrienSpgs., Mich.	285.5	Silent	8:15-10:10	8:15- 9:15	Silent	8:15- 9:15	Silent	Silent
WENR	Chicago, Ill.	266	7:00- 3:00	3:00- 1:00	Silent	7:00-11:00	7:00- 3:00	7:00-11:00	7:00- 3:00
WFAA	Dallas, Tex.	475.9	7:30- 1:00	7:00- 1:00	7:30-10:30	7:30- 1:00	Silent	7:30-10:30	7:30-10:30
WFBH	New York, N. Y.	272.6	11:30- 2:00	5:00- 8:00	11:30- 2:00	11:30- 2:00	11:30- 2:00	11:30- 2:00	11:30- 2:00
WFI	Philadelphia, Pa.	394.5	6:30-12:00	4:30- 5:30	6:30- 8:00	6:30-11:30	6:30- 8:00	6:30-11:00	6:30- 8:00
WGBS	New York, N. Y.	315.6	6:00-11:30	8:00- 9:00	7:00- 7:15	6:30-11:30	6:00- 8:30	6:00- 8:45	Silent
WGBU	Fulford, Fla.	278	6:30- 1:00	9:30-12:00	6:30- 1:00	6:30- 1:00	6:30- 1:00	6:30- 1:00	6:30- 1:00
WGCP	New York, N. Y.	252	8:30-12:00	3:00- 6:00	9:00-11:30	Silent	7:00- 9:15	10:30- 1:00	7:00- 9:10
WGES	Oak Park, Ill.	250	6:00- 2:00	6:00- 1:00	Silent	11:30- 3:00	11:30- 3:00	11:30- 3:00	11:30- 3:00
WGHB	Clearwater, Fla.	266	6:30- 1:00	Silent	6:30- 1:00	6:30- 1:00	6:30- 1:00	6:30- 1:00	6:30- 1:00
WGHP	Detroit, Mich.	270	Silent	Silent	6:00- 1:00	6:00- 1:00	6:00- 1:00	6:00- 1:00	6:00- 1:00
WGN	Chicago, Ill.	302.8	7:30-11:00	4:00-10:15	Silent	7:30-12:00	7:30-12:00	7:30-12:00	7:30-12:00
WGR	Buffalo, N. Y.	319	8:15-10:00	7:45-10:15	6:30- 1:00	6:30-11:00	6:30-12:00	6:30-11:00	6:30- 1:00
WGY	Schenectady, N. Y.	379.5	6:30-12:00	3:00-11:00	6:30- 8:45	6:30-11:30	6:30- 9:05	6:30-12:30	7:00-11:30
WHAD	Milwaukee, Wis.	275.1	Silent	4:15- 5:15	7:15-11:00	7:15- 8:00	7:15- 1:30	7:15- 8:00	7:15-11:00
WHAR	Atlantic City, N.J.	275.1	7:30- 9:00	7:50-10:00	7:30-12:00	7:30- 9:00	Silent	7:30-12:00	7:30- 9:00
WHAS	Louisville, Ky.	399.8	8:30-10:00	5:30- 6:30	Silent	8:30-10:30	8:30-10:00	8:30-10:00	8:30-10:00
WHAZ	Troy, N. Y.	379.5	Silent	Silent	9:00-12:00	Silent	Silent	Silent	Silent
WHB	Kansas City, Mo.	365.6	Silent	9:00- 2:00	8:00- 9:00	8:00-11:00	8:00- 9:00	8:00-11:00	8:00- 9:00
WHN	New York, N. Y.	361.2	Silent	3:00-12:30	6:00-12:30	6:00- 1:00	6:00- 1:00	6:00- 1:00	6:00- 1:30
WHO	Des Moines, Ia.	526	Silent	8:30- 1:00	8:30- 1:00	8:30- 1:00	7:00- 1:00	8:30- 1:00	8:30- 1:00
WHT	Chicago, Ill.	399.8	8:00- 2:00	1:00-11:30	Silent	8:00- 2:00	8:00- 2:00	8:00- 2:00	8:00- 2:00
WIBO	Chicago, Ill.	226	7:00- 9:00	7:00- 1:00	Silent	7:00- 4:00	7:00- 4:00	7:00- 4:00	7:00- 3:00
WIP	Philadelphia, Pa.	508.2	6:05-12:05	4:00-10:30	6:05- 8:00	6:05-11:30	6:05- 8:00	6:05-11:15	6:05- 8:00
WJAR	Providence, R. I.	305.9	Silent	6:00-10:15	7:45-11:00	7:30-10:00	7:30-11:00	8:00-11:00	7:55-12:00
WJAS	Pittsburgh, Pa.	275.3	7:00-12:00	Silent	7:00-12:00	7:00-12:00	7:00-12:00	7:00-12:00	7:00-12:00
WJAX	Jacksonville, Fla.	336.9	8:00-10:00	7:30- 8:30	8:00-10:00	8:00-12:00	8:00-10:00	8:00-12:00	8:00-10:00
WJAZ	Chicago, Ill.	322.4	Silent	Silent	Silent	Silent	Silent	11:00- 1:00	Silent
WJJD	Mooseheart, Ill.	370.2	6:30- 2:00	4:00- 5:00	Silent	6:30- 2:00	6:30- 2:00	6:30- 2:00	6:30- 2:00
WJR	Pontiac, Mich.	516.9	7:00-12:30	Silent	7:00-12:30	7:00-10:00	7:00-12:30	7:00-11:00	7:00-10:00
WJZ	New York, N. Y.	454.3	7:00-10:25	*2:30-11:00	7:00-11:30	7:00-11:45	7:00-11:45	7:00-11:45	7:00-11:30
WKAQ	San Juan, P. R.	340.7	Silent	Silent	Silent	Silent	7:00- 9:00	7:00- 9:00	7:00- 9:00
WKAR	Lansing, Mich.	285.5	Silent	Silent	7:15- 9:00	7:00- 8:00	7:00- 9:00	7:00- 8:00	7:15- 9:00
WKRC	Cincinnati, O.	422.3	11:00- 1:45	6:45- 1:30	7:00- 2:00	11:00- 1:00	7:00- 2:00	11:00- 1:15	Silent
WLIB	Chicago, Ill.	302.8	7:00- 2:00	6:00- 8:00	Silent	8:00- 2:00	8:00- 2:00	8:00- 2:00	8:00- 2:00
WLIT	Philadelphia, Pa.	394.5	7:30- 8:30	2:00- 8:00	9:00-11:00	7:50- 8:50	8:00-11:00	7:30- 8:30	7:30-12:00
WLS	Chicago, Ill.	344.6	8:00- 2:00	7:00- 8:55	Silent	8:00- 9:00	8:00-12:30	8:00- 9:55	8:00-12:30
WLW	Cincinnati, O.	422.3	8:00- 1:00	5:00-10:30	8:00-12:00	8:00-12:00	8:00- 1:30	8:00- 2:15	Silent
WLWL	New York, N. Y.	288.3	Silent	7:00- 8:00	8:00-10:00	8:00- 9:00	Silent	8:00-10:00	Silent
WMAK	Buffalo, N. Y.	265.5	6:15-11:00	7:30- 8:30	7:30-11:00	6:15- 7:15	7:30-10:00	7:15- 8:00	Silent
WMAQ	Chicago, Ill.	447.5	9:00-11:00	Silent	Silent	9:00-11:15	9:00-10:45	8:00-12:00	9:00-11:15
WMAZ	Macon, Ga.	260.7	Silent	Silent	10:00-11:00	8:00- 9:00	11:00-12:00	10:00-11:00	8:00-11:00
WMBB	Chicago, Ill.	250	8:00-12:00	4:00-12:00	Silent	8:00-12:00	8:00-12:00	8:00-12:00	8:00-12:00
WMBF	Miami Beach, Fla.	384.4	7:00- 1:00	7:00- 1:00	7:00- 1:00	7:00- 1:00	7:00- 1:00	7:00- 1:00	7:00- 1:00
WMC	Memphis, Tenn.	499.7	8:15-10:30	Silent	8:15-10:00	8:15- 1:00	Silent	8:15-10:45	8:15- 1:00
WMCA	New York, N. Y.	340.7	9:00- 1:00	7:00-10:00	9:00-12:00	8:00-12:00	9:00-12:00	9:00-12:00	8:00-11:45
WNAC	Boston, Mass.	280.2	6:00-11:00	3:15- 8:45	6:30-10:45	6:00- 9:00	6:00-10:00	6:00- 9:00	6:00-11:00
WNYC	New York, N. Y.	526	7:00-10:30	9:00-11:00	7:35-10:30	7:10-10:30	7:30-10:30	7:35-10:30	7:30-10:30
WOAI	San Antonio, Tex.	394.5	Silent	8:30-11:30	Silent	9:30-10:30	9:30-10:30	Silent	9:30-10:30
WOAN	Lawrenceb'g, Tenn.	282.8	Silent	10:00-11:00	10:00- 2:30	10:00-11:00	10:00-11:00	10:00-11:00	10:00-11:00
WOAW	Omaha, Nebr.	526	7:00- 1:00	7:00-10:00	7:00-11:00	7:00- 2:00	Silent	7:00- 2:00	7:00-12:15

Call	Location	Met.	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday
WOAX	Trenton, N. J.	240	Silent	9:30-11:30	Silent	Silent	Silent	Silent	Silent
WOC	Davenport, Ia.	483.6	10:00- 1:00	7:30-12:45	Silent	7:30-12:30	7:30-11:30	7:30- 1:00	7:30-11:30
WOI	Ames, Ia.	270.1	Silent	Silent	Silent	Silent	Silent	8:50- 9:30	Silent
WOK	Homewood, Ill.	217.3	11:00- 2:00	7:30- 9:30	7:00- 2:00	11:00- 2:00	11:00- 2:00	11:00- 2:00	11:00- 2:00
WOO	Philadelphia, Pa.	508.2	7:30- 8:30	6:05-10:15	7:30-12:00	7:30- 8:30	7:30-12:00	7:30- 8:30	7:30-12:00
WOOD	Grand Rapids, Mic	242	10:00- 1:00	Silent	10:00- 2:00	10:00- 1:00	10:00- 1:00	Silent	10:00- 1:00
WOQ	Kansas City, Mo.	278	9:00-12:00	9:00-10:15	Silent	9:00-10:00	Silent	8:00-10:00	Silent
WOR	Newark, N. J.	405.2	6:15-12:00	Silent	6:15-12:00	6:15- 8:00	6:15-11:30	6:15- 8:20	6:15- 8:00
WORD	Batavia, Ill.	275	8:00-11:25	3:30-11:00	Silent	8:00- 1:45	8:00- 1:00	9:00-11:00	8:00- 1:45
WOS	Jefferson City, Mo	440.9	Silent	9:00-10:00	9:00-11:00	Silent	9:00-11:00	Silent	9:00-11:00
WPG	Atlantic City, N.J	299.8	6:45-12:00	3:15-11:00	6:45-12:00	6:45-12:00	Silent	6:45-12:00	6:45-12:00
WQJ	Chicago, Ill.	447.5	8:00- 4:00	8:00-11:00	Silent	8:00- 3:00	8:00- 3:00	8:00- 3:00	8:00- 3:00
WRC	Washington, D. C.	468.5	7:00-12:00	Silent	Silent	7:00-11:30	Silent	7:00-12:30	Silent
WREO	Lansing, Mich.	285.5	10:00-12:00	Silent	Silent	8:15-10:00	Silent	8:15-10:00	Silent
WRVA	Richmond, Va.	256	Silent	Silent	8:00-11:00	11:00- 1:00	8:00-11:00	8:00-11:00	7:00-11:00
WRW	Tarrytown, N. Y.	273	9:00-11:30	8:00-11:30	9:00-11:30	9:00-11:30	9:00-11:30	9:00-11:30	9:00-11:30
WSAI	Cincinnati, O.	325.9	8:00- 1:00	4:00-10:15	9:00-12:00	8:00-11:00	7:45-12:15	8:30-11:00	Silent
WSB	Atlanta, Ga.	428.3	9:00- 1:00	8:30-10:15	9:00- 1:00	9:00- 1:00	11:45- 1:00	9:00- 1:00	9:00- 1:00
WSBC	Chicago, Ill.	209.7	7:30- 5:00	7:30- 2:00	6:30- 8:00	7:30- 2:00	7:30- 2:00	7:30- 2:00	7:30- 2:00
WSM	Nashville, Tenn.	282.8	7:30- 1:00	Silent	7:30-12:00	11:00- 1:00	7:30-12:00	Silent	7:30-12:00
WSMB	New Orleans, La.	319	9:30-11:30	Silent	9:30-12:30	Silent	9:30-11:30	9:30-12:00	Silent
WSUI	Iowa City, Ia.	483.6	Silent	10:15-10:45	8:30-10:00	Silent	Silent	Silent	Silent
WSWS	Chicago, Ill.	275.1	7:00- 2:00	4:30-10:30	Silent	7:00- 2:00	7:00-12:00	7:00- 2:00	7:00- 2:00
WTAG	Worcester, Mass.	268	Silent	4:00-10:15	7:00-11:00	7:45-11:00	7:45-11:00	8:00-11:00	8:00- 9:30
WTAM	Cleveland, O.	389.4	6:00-12:00	Silent	6:00-12:00	6:00- 7:00	6:00-12:00	6:00- 7:00	6:00- 7:00
WTIC	Hartford, Conn.	475.9	6:30-12:00	5:00-10:30	6:30-12:00	Silent	6:30-10:00	6:30- 7:30	6:30-12:00
WWJ	Detroit, Mich.	352.7	Silent	6:20-10:00	6:00- 9:00	6:00- 9:00	6:00-10:00	6:00-12:30	6:00-10:00

STATIONS IN ORDER OF WAVE LENGTHS

Meters	Call	Meters	Call	Meters	Call	Meters	Call	Meters	Call	Meters	Call
209.7	WSBC	265.6	WMAK	285.5	WKAR	336.9	WJAX	394.5	WFI	461.3	WCAE
217.3	WOK	266	WBCN	285.5	WREO	340.7	KFAB	394.5	WLIT	467	KFI
222	WCOA	266	WGHB	288.3	KFKX	340.7	WKAQ	394.5	WOAI	468.5	WCAP
226	KFWI	268	KFH	288.3	WLWL	340.7	WMCA	399.8	WHAS	468.5	WRC
226	WBBM	268	WTAG	293.9	KTBI	344.6	WCBD	399.8	WHT	475.9	WBAP
226	WIBO	270.1	WEAN	293.9	WAIU	344.6	WLS	400	PWX	475.9	WTIC
232.4	KFON	270.1	WGHP	293.9	WEAO	348.6	KOB	405.2	KHJ	475.9	WFAA
240	KFVE	270.1	WOI	296.9	KPRC	348.6	KWSC	405.2	WOR	480	CYL
240	KTAB	272.3	KWKH	299.8	KUOA	348.6	WEEI	406	WBAR	483.6	WOC
240	WDBO	272.6	WBBR	299.8	KSL	350	CZE	410.7	CKAC	483.6	WSUI
240	WOAX	272.6	WEBJ	299.8	WPG	352.7	WWJ	416.4	WCCO	491.5	KGW
242	WOOD	272.6	WFBH	302.8	WGN	356.9	CFCA	421	KIAF	491.5	WEAF
244	WAMD	273	WRW	302.8	WLIB	356.9	CKCL	422.3	WLW	499.7	KFRU
246	WBAL	275.1	WHAD	305.9	KTCL	356.9	CKNC	422.3	WKRC	499.7	WMC
250	KFXF	275.1	WHAR	305.9	WJAR	361.2	KGO	428.3	WSB	502.8	KFQB
250	WGES	275.1	WORD	309.1	KDKA	361.2	WHN	428.3	KPO	508.2	KLX
250	WMBB	275.1	WSWS	315.6	KFDM	365.6	WDAF	434.5	CNRO	508.2	WIP
252	KFWB	275.3	WJAS	315.6	KPSN	365.6	WHB	434.5	CFCN	508.2	WOO
252	KMA	278	KOIL	315.6	WAHG	370.2	WEBH	434.5	NAA	516.9	CJCA
252	WGCP	278	KWWG	315.6	WGBS	370.2	WJJD	435	AT9	516.9	WCX
256	WRVA	278	WCAU	319	WGR	374.8	KTHS	440.9	KLDS	516.9	WJR
258	WADC	278	WGBU	319	WSMB	379.5	WGY	440.9	WDWF	526	WHO
260.7	KFWA	278	WOQ	322.4	KOA	379.5	WHAZ	440.9	WOS	526	WNYC
260.7	KFJF	280.2	KMOX	322.4	WJAZ	384.4	CKY	447.5	WMAQ	526	WOAW
260.7	KWKH	280.2	WNAC	325.9	WSAI	384.4	KJR	447.5	WQJ	535.4	KYW
260.7	WMAZ	282.8	WOAN	333.1	WBZ	384.4	WMBF	454.3	KFOA	545.1	KFUO
263	WBPI	282.8	WSM	336.9	KNX	389.4	WEAR	454.3	WJZ	545.1	KSD
263	KFNF	285.5	WEMC	336.9	KFMX	389.4	WTAM	455	KTW		

SHORT WAVES
By Marcella

(Continued from page 6)

Here's your answer, Jeanne, about N. Dean Cole, WHO's director-announcer. "Why, you're not old at all!" That's what you would say—if true to type—when you met "Old King Cole" in WHO's studio. Thousands have exclaimed the same, for they seem to associate King Cole as being a merry OLD soul, in accordance with the famous nursery rhyme. He is merry but not older than the light-hearted side of thirty. He's tall and slender and has blonde hair, rather than being wide of girth and bald, as my Mother Goose book depicts his namesake. He has blue eyes—ah, pools of limpid blue—and causes many a feminine heart to become unduly agitated. His clear, pleasant and vibrant voice is too well known to need description here. Besides having celebrated his second anniversary at the WHO mike on April 1 when WHO likewise marked its second birthday, N. Dean Cole supervised the building of the station. He is a versatile chap and knows all about the technical do-dads and thingmagigs around a broadcasting station. Nine years of experience in the telephone business and a two-year stretch at stringing wires and setting up instruments for the signal corps during the late disagreement with Germany, support his technical knowledge. His value is enhanced again by his talented baritone voice, for on many emergency occasions he has stepped to "Mike" and sung a baritone solo to fill in the minutes until delayed artists arrived.

* *

Who was it wanted to locate Val McLaughlin, ex-WOC Sandman and later at WOAW? "Jayhawker" was one, I remember. Here's good news for you. Tune in Val via WLS, Chicago, where she is doing a turn twice each week. I believe she is scheduled for Tuesday and Friday evenings. Understand she is doing some studying here to further her ambition and has taken up the two-a-week broadcast just to fill in her leisure time.

* *

Now for a brief repetition notice of Ford and Glenn, the WLS Lullaby Boys. Several months ago I told all about them, but so many new readers have requested that I repeat and sketch the pair, that I must be pardoned for so doing. To begin with the usual shock: yes, they are both married, and each has a boy. And each boy is about eight years old. Both Ford and Glenn drive cars. In fact, motoring is the chief hobby of both members of the team. How did they team together? Edgar Bill, jovial WLS director, is the guilty party. He knew both boys and thought they would make a good Radio team. When the two met in the WLS studio, the joke was on Mr. Bill, for the meeting was a reunion. They had known one another some years before in St. Louis. Ford Rush was born in New Orleans, age 32; weight, 175 pounds; height, 6 feet. Glenn Rowell was born in Pontiac, Ill., where he says they feed 'em corn—hence his girth. He's 5 feet 8 inches tall, 28 years old, 218 pounds heavy, and still likes pie and cake.

* *

What deep secret would you like to know about your favorite broadcast star? Drop me a note, girls and boys, and I'll do my best to answer here. MARCELLA.

MEAT PIES CHEAP DISH

(Continued from page 6)

much fat on the meat, it may be necessary to remove some of the melted fat before you make the gravy. Remember that if there is more fat than flour in the gravy it will be greasy.

The directions for cooking the meat read, "Let simmer until tender." Do not allow the meat to boil. Remember that meat should cook slowly at a low temperature if you would have it tender and juicy.

It is better to cut either the biscuit or pastry crust into small pieces rather than to place a solid crust over the whole pie. If you use one whole crust, be sure to cut holes into it to allow the steam to escape. I prefer individual biscuit because it not only bakes better, but it also makes a pie that looks better and is more easily served.

Other vegetables may be used in this recipe than those I have suggested. If you happen to have a few left over string beans they may be used in place of either the peas or carrots. Diced turnip is sometimes used, but be sure it is not too strong in flavor. Small cubes of potatoes or tiny potato balls may be added but many people prefer to serve the potatoes separately with the meat pie. Tomatoes may be added to the pie, but be careful that you do not add tomatoes to every meat dish you make because that makes them all taste more or less alike.

You may use different vegetables at different times; for instance, one day use celery and tomatoes, another day, turnips, and peas, and still another day combine carrots and string beans, or potatoes, celery and peas. Onion is good with any of the combinations. If you do not serve the meat pie very often and find that your family like it as it is, then I would serve it just that way and not tinker with it. You know there is such a thing as too much variety. When you find a recipe that you can make well and that everyone likes, you had better stick to it just as it is.

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That Music Copyright Question

WITH the senate and the house committees both carefully considering legislation to amend the copyright law to give Radio broadcasting a "square deal," it seems that perhaps the music problem will be settled this year once for all. One thing is sure: if the senate committee recommends that the Dill-Vestal bill be passed by the senate, the house will also fall in line, and the president, Mr. Coolidge, will sign the bill without question.

What makes us so sure about this? Well, William P. Butler, senator from Massachusetts, is chairman of the senate patent committee which is, or was as this issue went to press, holding hearings on the proposed copyright law amendment. Mr. Butler, we shall explain, is a time-tried and true friend of Mr. Coolidge. In fact, Mr. Coolidge learned most of his political tricks from Senator Butler. The president admits it himself.

So, being a close friend and adviser of the president, it is not unlikely that Mr. Butler will only need to give his stamp of approval to the proposed legislation in order to make it law. We should end this editorial here. It has no immediate purpose except to indicate signs of optimism to the broadcasters and interests desirous of getting relief from the varying fee demands of the American Society of Composers, Authors and Publishers.

At one time, very early in the controversy between the music society and the broadcasters, we claimed that broadcasting stations were operated not for profit and therefore made nothing from the music broadcasts. In such a status we could see—then—but one perspective: that the music should be free to Radio broadcasters. It soon became evident, however, that practically every firm engaged in broadcasting was so engaged for the benefit of indirect advertising, an asset which could be charged against the station expenditures.

Courts in many districts soon upheld the decision that broadcasters were not operating without compensation for their efforts.

We then changed our position and said that the American Society did have some equity in its arguments. Every composer was entitled to remuneration for his works broadcast. If a station did not wish to pay the American Society the fees it asked, it did not have to broadcast American Society music. There was and is other available. If enough stations had stood together and flatly refused to broadcast American Society music, the society's fees would have been tremendously reduced.

The trouble was that the broadcasters, vying with one another for public recognition and appreciation, were too weak to stand together. But the American Society stuck together nobly and "stuck" the broadcasters.

There is the whole story in a nutshell. The whole affair is nothing but a controversy between the music producers and the music users. Where the public fits into the picture it is difficult to say, inasmuch as the American public does not have to pay for broadcast programs—at least, not directly. As a controversy, it was about as necessary to the swaddling infant Radio as cutting teeth is to the human baby.

Claims, counterclaims and charges have been made that the American Society is a trust, that the publisher members are thieves and crooks, and many other nasty things. We do not agree nor disagree. It remains for such charges to be proved before they carry weight. Why doesn't some well-financed broadcaster take the American Society before the federal trade commission and disband it? We have long expected such a procedure to be announced.

Maybe the copyright legislation will solve the problem. But we have an idea that the American Society will not like the new law—that is, if it becomes a law, Senator Butler recommending it. Then it will remain for the supreme court to decide the Dill-Vestal copyright law's constitutionality.

Perhaps that will be the end? Perhaps.

RADIO INDI-GEST

Rajah in a Low Back Chair

At evening—at ease, in a low back chair,
Secluded from family, resigned from care,
Untroubled by dour and deep meditation,
I find combined in recreation,
Pleasure and repose.

There in the dusk beyond the lamp's gleam,
In a corner of twilight—there to dream.
My hands on the Radio's glistening dials,
My eyes half closed, across the miles
Music at my touch.

A rajah in "make believe" then am I,
In regalia beneath the flaunting sky.
My tents are raised on the desert sand,
Around me in silence my Arab band,
While serenaders sing.

What rajah of old had more to amuse,
Had more for his pleasure from which to choose?
What rajah, or emp'ror, or king may hear
Song of siren, and wisdom of seer,
As I, in a low back chair?

THOS. L. WILLIAMS

Go to the Head of the Class

Dear Indi: Leo Butts, a six-year-old boy at our school here in Burwell, Nebraska, was asked to spell Omaha and he spelled it W-O-A-W. I am twelve years old.

L. J. GARRISON

And to keep any little boys or girls from having to stand in the corner with the fool's cap, we will say that W-E-A-R spells rubber; W-H-O, insurance; W-O-O-D, furniture; W-O-R-D, church.

"A FLOP ON THE STAIRS"

by THE THIRD TROMBONE PLAYER

Episode 3—The Phantom Killer

Synopsis—Sebastian Kreske, a retailer of reasonably priced Radio parts is being threatened by the trust. He can't raise his prices as he sells his goods in stores which sell nothing over one dime in price. What to do? Now read the rest of the story to Grandma.

KID DIRKUN, fearless copy boy, gracefully injecting 10 grains of heroin, fixed his limpid orbes on the five and dime magnate saying, "I have it, Mr. Kreske."

"Wass iss id," asked Kreske in his best Oxford accent.

Our hero was about to outline the plan when a woman's scream rent the midnight air.

A dull thud followed. The millionaire had fallen to the floor. It took but a glance to see that he was dead.

(Really now, this is getting beyond the limits of a joke. Even the Chicago police would not like it. Extra copies for sale at your druggists.)

(TO BE CONTINUED)

Johnny's Map

Johnny Jenkins drew a map
And laid it on his teacher's lap;
A map of dear old U. S. A.,
The towns all marked the latest way.
Said his teacher: "Tell me why
You've put the letter K F I
In California? K S D
Up in Missouri? K Q P
In Oregon? It puzzles me!"
And Johnny answered: "You would know
If you but owned a Radio."

MADELEINE AARON

Help! Help! Help!

In order to make DX reception better, perhaps the stations should lengthen their waves so as to make them reach farther.

ED ESS

Boy, go down and get the wave stretcher.

Oil Right—Gas He Can

I name John D. Rockefeller for the Famous Fans club. He has more air stations than anyone else. CLANCY

She's So Dumb

She thinks Wendell Hall is a girls' seminary.

This Straw Vote Is All Wet

DO YOU FAVOR PROGRAMS WITH MORE THAN 2.75% SOPRANO CONTENT?

NO ..... ☐

Mark Any Two Squares

NAY ..... ☐

WHY NOT?.....
(Give Reasons)

In an effort to ascertain if the constitution should have iron in', this strictly impartial ballot is being taken. And what are we going to do about the wash? If any?

INDI

News of the Week

Condensed

BY DIELECTRIC

Several obstacles prevented my successfully tuning Station KFKX, Hastings, Nebr., until the other evening, when the familiar voice of their announcer introduced listeners to a special musical program. It was nearly all interesting, though the work of a pianist made the most impression with a program of music of general appeal. Perhaps this station's audience prefers to know in what company it sits; at any rate, the announcer took pains—and time—to make clear that certain individuals in scattered locations were at their sets listening in to the features. None of the names were instructive to me and the numbers were, so that bit of information was superfluous.

We still face such a paucity of orchestra entertainment that visiting ships are called on to supply the lack by some of our broadcasters. Station WIP, Philadelphia, took advantage of the Leviathan's orchestra to fill one feature on an evening's program. The selections were uniformly choice and well rendered, having as an additional feature, soloists with much to recommend them for return engagements.

In the young American artists series of concerts from Station WLS, Chicago, we had the good fortune to hear a contralto with a voice of very good quality and training and to hear her sing compositions by American composers. One of MacDowell's gems was given with more than ordinary ability and makes one wish to hear this artist sing "The West Wind Croons in the Cedar Trees," by the same composer.

Another of those pleasing organ recitals from Station WHO, Des Moines, broadcast from the Capitol theater, was of a sort to encourage listeners to come back for more. That French woman composer, Cecile Chaminade, has left us some works of real beauty which comparatively few musicians today present to their audiences. It was a pleasure to listen to an adaption for organ of one of the best of these and to note the organist's appreciation of its content.

Whether you would go to the theater and cannot, or frankly prefer to attend by the proxy of Radio, matters not with the possibilities presented by Station WBAP, Fort Worth, Texas, to enjoy diversified entertainment. The theater artists' concerts arranged by this station and frequently broadcast are attractive features. Tune in some evening and permit yourself to relax while listening to what is offered.

Station WQJ, you know how they accent "Chi-caw-go," included in a recent program the singing of some sentimental numbers by a tenor thoroughly versed in their style and a soprano, but a few minutes off a vaudeville stage. This was interspersed with the reliable sax in solo capacity. The whole was calculated to take any listener out of the dumps.

Those failing to tune in Station WSB, Atlanta, before the commencement of a well-planned program by the Rialto theater orchestra missed a very interesting and enlightening musical arrangement. It was introduced as the evolution of America: a musical history, beginning with the beating of the Indian tom-tom in a selection representing all of the weird and barbaric musical feeling of the early aborigines. Later we were treated to one of their romantic melodies—more romantic than melodic. The whole conception is something to merit our support, for America is truly forging to the fore in matters musical.

Super-Torodyne: An Improved 8-Tube Super

Part II—Front and Top Sub Panel Assembly

By J. E. Owen, Univ. of Okla.

IN THE first article of this series, the compactness of the Super-Torodyne was pointed out as a desirable feature, a point of relative superiority over many super-heterodynes. The writers of the articles on the Grand Prix and the DX-Seven Super-Heterodyne each brought out in a very favorable way the compactness of their supers—both of these sets being on the same size panel as that of the Super-Torodyne. The Super-Torodyne, however, has at least one unit not contained in either of the others; the antenna coupler. To provide this same feature it is taken for granted, then, that each of the others would require more space. Constructional details for the Super-Torodyne must be very carefully followed if real superior super-heterodyne results are to be expected.

The cabinet for housing the Super-Torodyne must take a panel 7 x 18 inches. It must have a depth of at least 8½ inches, measuring from the back of the front panel. There should be no grooves holding the front panel at the top or bottom—that is, there must be a full 7 inches available for apparatus.

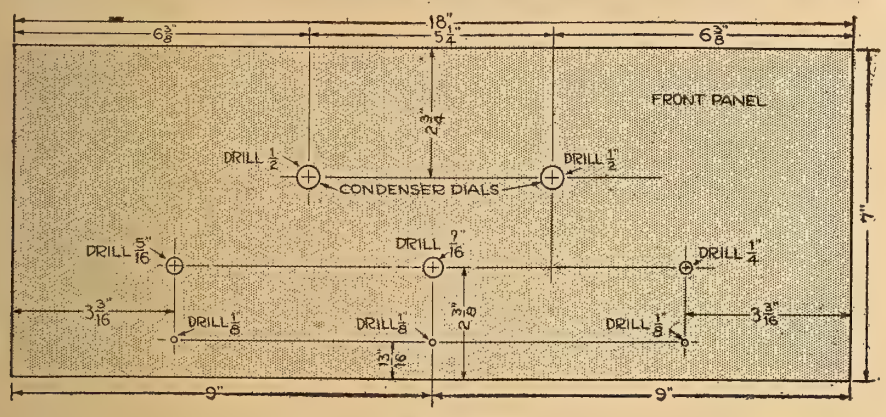


Figure 3

Formica was specified for the front panel and the binding post strip, also for the sub panel because it is so readily drilled.

All views will be considered as taken from the front of the set and from the dial side of the front panel, unless otherwise specified. It will be noticed that figure 4 gives the exact arrangement of the apparatus used above and beneath the sub panel. There are holes used in wiring that are not shown here, but these will be taken up in time, being purposely omitted in this article to avoid confusion. Figures 3 and 4 enable one to visualize the set complete. This makes drilling and assembly much easier and reduces the possibility of mistakes. There is, in this way, no difficulty in identifying the holes that are drilled.

Few Modifications

There are a few modifications of some of the parts that must be made before the set can be assembled and wired. Two slight modifications of the toroid coils are necessary, but as these are more in the nature of wiring, they will be left until the next article. The one of interest and importance here is the alteration of the mounting brackets. Sufficient detail for carrying this out is given in figure 5. Each bracket is cut into four parts. These are marked A, B, C, and D, in figure 5. Parts C and D may be junked. Part A is used for sub panel mounting, and Part B is used for mounting the binding post strip over the Victoreen transformers. For cutting these brackets, use any saw that will cut metal. In case such a saw is not available, some sort of a chisel may be used, although it may be necessary to file down rough edges and corners afterwards.

Follow the directions and dimensions of figure 6 for details of the binding post strip which is mounted over the Victoreen transformers with sections B that are obtained from cutting the brackets. The binding posts are placed on the strip in the following order: Ant; Ant; Gnd; A Bat −; A Bat +; C Bat +; C Bat −; B Bat −; B Bat +; B Bat +; B Bat +; Speaker; Speaker.

How to Make Brackets

While the assembly of all apparatus beneath the sub panel will be taken up in the next article, it is necessary to mount the sub panel on the brackets in order to go ahead with the assembly above the sub panel. The two holes 13/16 inches from the bottom and 3 3/8 inches from the end are for the sub panel brackets. Two ½-inch spacers are necessary, which may be cut from ¼-inch pipe. Cut two sections ½ inch in length and file the ends smooth and square. Run the screws through these after they have been put through the holes in the front panel. The mounting brackets are then put on and are held away from the front panel ½ inch. This arrangement is important in order that the load will be more evenly distributed on the sub panel and upon the supporting brackets. Countersink the heads of the machine screws holding the brackets to the sub panel.

A comparison of figures 3 and 4 give considerable detail about the arrangement of the apparatus and, incidentally, the relations of the parts in the circuit. At the left, we have in front the two All-American T-2 transformers. In placing

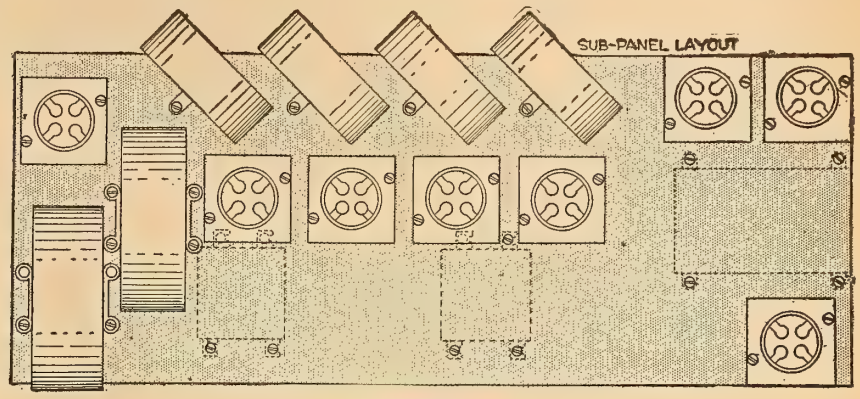


Figure 4

these on the sub panel, the secondary leads go to the right—that is, the side with the three binding posts is to the left. Both units are mounted in this way. Just back of these is located tube socket No. 1. This is the first detector. In the central section underneath the sub panel we have in front the two Tobe Deutschmann 1-mfd. condensers. These may be seen just below the Hammarlund variable condensers in figure 3. Just back of these are tube sockets Nos. 2, 3, 4, and 5. Nos. 2, 3, and 5 are the intermediate frequency amplification sockets, while No. 4 is the oscillator tube socket. Just back of these are the Victoreen intermediate stage transformers. These are placed at an angle of approximately 45° as shown. This angle is not at all critical, but may be roughly obtained by folding a square of paper along one of its diagonals. At the right, we have the second or audio detector and the two stages of audio frequency amplification, numbered 6, 7 and 8.

Unusual Mounting

The two Jefferson audio transformers are mounted in an unusual way. To understand how this is done, turn one of them upside down with the plate and grid binding posts to the right. Then place the other upon it in an upright position, also with its plate and grid binding posts to the right. The mounting flanges or ears will then be next to each other. Four stove bolts are run down through the holes in these flanges and through the

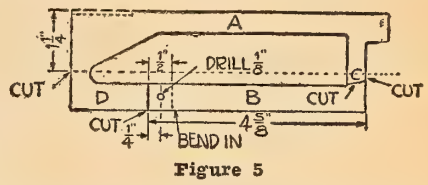
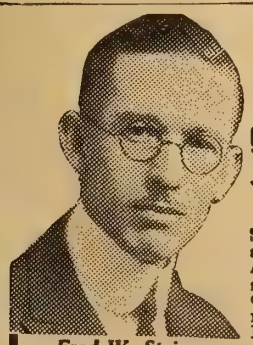


Figure 5

sub panel. Three and one-quarter inch stove bolts will be required. It will be necessary to ream out the holes slightly in the flanges on the transformers in order for them to accommodate the stove bolts. This double-decking method of mounting the audio transformers is used because it saves space.

In mounting the tube sockets, the filament connections are placed toward the

(Continued on next page)



Fred W. Stein.

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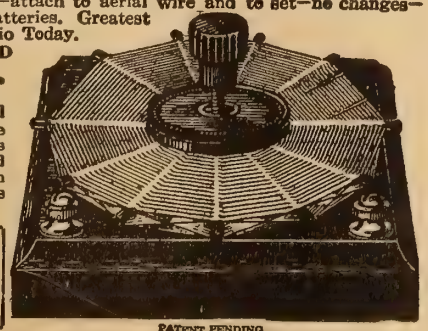
No Radio Set Complete Without It

Select stations at will. With music and voices crowding the air the average set fails to bring in the desired stations properly. The *Steinite Interference Eliminator* shuts out local and other interference. You get one station at a time, the one you want, and tune in loud and clear. Operates on any set—attach to aerial wire and to set—no changes—no extra tubes or batteries. Greatest Dollar Value in Radio Today.

OVER 300,000 SOLD



Improved Results With Tube or Crystal Try entirely at my risk the wonderful improvement this inexpensive little device will make in the reception of your set. Improves results on both crystal and tube sets that use any kind of aerial except loop antenna. Clears up reception wonderfully, increases volume, and partially absorbs static. ***MONEY-BACK GUARANTEE.***

Mfrs. Famous 1,500 Mi. Steinite 1-Tube Set, $6; Long Distance Crystal Set, $6; Steinite Crystal 50—3 for $1

STEINITE 5-Tube Set—$29.75

FREE Descriptive Literature on request.

Put this interference eliminator on your set and note amazing improvement. No tools needed—install in a moments time. Connect with set and follow simple instructions. Money back promptly if not delighted. $1.00 postpaid anywhere in U. S. when cash with order.

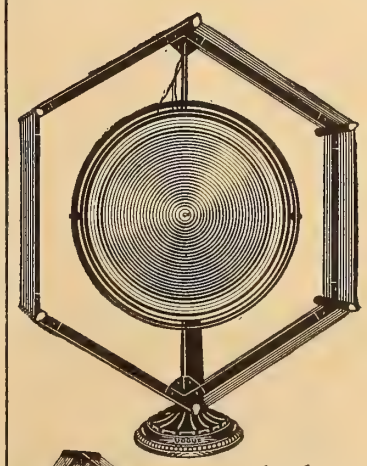
PATENT PENDING.

$1 Postpaid If you are not delighted with results you get your dollar back

References: Exchange National Bank, Atchison Savings Bank. Order today—a dollar bill will do.

STEINITE LABORATORIES, 161 Radio Bldg., ATCHISON, KANSAS

FREE TRIAL FOR TEN DAYS



LET us prove to you that the VOGUE UNIVERSAL CONE LOOP can greatly increase the efficiency of your Set without any risk on your part—if you don't like it, send it back.

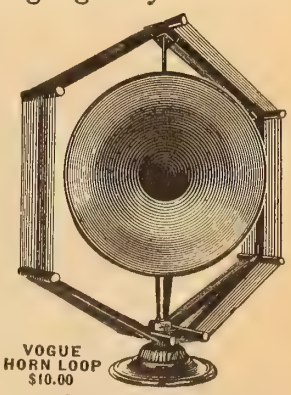
The Universal Cone Loop has both horizontal and vertical action. Your reception is clear—interfering stations are cut out entirely.

Aim the Loop the same as you would a gun—the truer your aim, the better your reception. Static can be reduced to a minimum, signal strength greatly in creased—the best LOOP made for fine tuning. A $30.00 standard made Cone Speaker is used.

Doesn't take up any more space than the regular horn speaker—can't tip or fall—adjustable to every conceivable angle. If your Set isn't designed to work with an inside Loop, ask us how to change it over.

UNIVERSAL CONE LOOP $37.50

Vogue Horn Loop Fits any regular Horn Speaker—can be installed in a few seconds. No adjustments necessary—makes two units into one—fits snug around base of horn. 110 feet of 68 strand No. 36 silk covered wire used.



VOGUE HORN LOOP $10.00

10 Days Free Trial This offer is for a limited time only. Send check or money order. If you aren't more than satisfied, return to us in ten days, and we will refund the full amount—provided, of course, the merchandise is received by us in good condition.

Richard T. Davis Incorporated

5255 BROADWAY CHICAGO

SUPER-TORODYNE BINDING POSTS

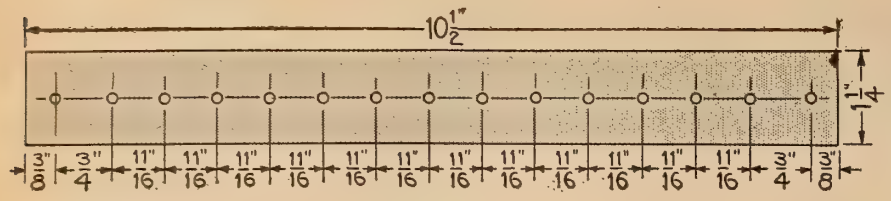


Figure 6

NEW SUPER-TORODYNE

(Continued from page 19)

front except in the case of tube sockets Nos. 4 and 8. These have the grid and plate connections toward the front, with the filament connections, toward the back. Tube socket No. 6 is for the audio detector and should be a Bremer-Tully Silent Socket as specified in the list of parts.

Functions of Controls

Considering the parts on the front panel, and comparing figure 1 of the first article with figure 3, the control at the left is seen to be the first detector regeneration control. It should be mounted with the stator insulating support to the right, remembering that the view is still from the dial side of the front panel. The next control, the National Velvet Vernier dial, is for one of the Hammarlund .000375 mfd. slf. condensers, which tunes the antenna circuit. The next control is the Victoreen 400-ohm potentiometer. This is followed by the National dial, controlling the oscillator condenser. This condenser tunes the local oscillator circuit and is connected to the toroid coil at the right. Both of the Hammarlund slf. condensers should be mounted in a vertical plane as is shown in figure 3. Two 1/16-inch holes are to be drilled in the front panel for the purpose of anchoring each of the National dials. Complete directions for doing this are furnished with the dials. Single-hole mountings for the condensers should be used because some slight adjustments in the position of the condenser are necessary after the set is assembled. The control at the extreme right is the Benjamin battery switch.

(Next week Professor Owen will continue with the assembly of the Super-Torodyne and will take up the wiring of the receiver. As accuracy is the keynote of this construction, it may be well to wait before proceeding.—Editor's note.)

PENSACOLA WELCOMES

(Continued from page 4)

"But it's great to live in Pensacola," says Mr. Frenkel to his Radio audience. "No city in the world compares in historical interest and romantic tradition. It is the oldest city in the United States. Our records show that it was founded four years before St. Augustine, more often spoken of as the oldest city on the continent. It has lived under the regime of five flags, Spanish, French, British, Confederate and the Stars and Stripes—Old Glory.

"Pensacola has an eminent social atmosphere, a prestige unsurpassed by any other city in the country. The climate is perfectly enjoyable to citizens from the North, throughout the whole year. It has lakes and hills and trees and old roads, providing scenic beauty and charming tours for motorists."

It's a labor of love, folks, and if you ever have heard the breezy enthusiasm in the voice John E. Frenkel over WCOA, Pensacola, Florida, the Wonderful City of Advantages, you know it.

WOAW AIDS FRIENDSHIP

(Continued from page 5)

deeper than mere fundamentalism or modernism in religious belief.

The fraternal message is thus given wide scope from WOAW through its amplification of the religious services. Religion and human felicity, human moral growth, go hand in hand; hence, the strong support to the church rendered by the executives of the Woodmen of the World. It has been found that Radio does not conflict with church going, but rather, tends to revive it, to return to the fold many who had been lost lambs.

More than twenty persons compose the staff and its attaches of WOAW. Their sole duties are confined to arranging programs, Radiocasting them, handling fan mail, etc. Three announcers, two operators, a studio hostess, publicity director, program director, four stenographers, five typists, a business manager, 'phone girls, make up this staff.

Lester Palmer is program director and announcer. He is a talented pianist and composer of several popular songs recently published, "Lonesome Moon," and "Truly I Do." He edits the WOAW Radio bulletin, a bimonthly journal which contains programs two weeks in advance, as well as descriptive stories and photographs of artists who are on the programs. Ten thousand copies of this bulletin are mailed each month to newspapers, public institutions, and Radio artists. Mr. Palmer is a student of law, and the youngest Shriner in Nebraska.

Eugene Konecky is featured as WOAW's poet laureate and announcer. He was the first official poet laureate connected with a Radio station. He is well-known in the Middle West as author of "Trail O' Spring," a volume of poems.

Gus Swanson, announcer, is a very versatile chap, and in the 35 years since his first announcement he has had a varied career. He has had six years' experience in the selling and advertising game, and is at present engaged as a salesman in the printing and publishing line. His musical and commercial career have adapted him perfectly for Radio work, giving him poise and confidence in his microphone work. He is quick witted, congenial and well versed in music and other arts which combined with his ability to entertain and his excellent voice makes him an ideal announcer.

The bedtime stories for the kiddies, are handled by Grace Sorenson, author of juvenile stories, poems and plays and editor of a nationally-known children's publication.

Among the special features are Arthur Hays, organist of the World theater, offering organ recitals at 11 o'clock each Saturday; the Rialto Midnite Alarm, a Tuesday fun fest; Hodek's Nightingale orchestra of the Roseland Garden in a midnight frolic each Thursday. The presentation of stock market reports are made daily from WOAW in behalf of the thousands of agriculturists throughout the Middle West. The periods of Radiocast of market reports are as follows: 8:15 a. m.; 8:55 a. m.; 10:30 a. m.; 12:30 p. m.; 1:45 p. m., and 4 p. m. Among the leading orchestras who entertain WOAW listeners are Gilbert Jaffy's Symphonic; Randall's Royal; Herb Feierman's Omadala, and Frank Hodek and his Nightingales.

All WOAW programs are varied, planned to appeal to a diversity of tastes. Orchestras, vocalists of popular, jazz and classic schools, instrumental soloists, dramas, sports talks, love advice, educational courses, etc., are on the programs at all times. You can't please all the people all the time, but the Woodmen of the World, through WOAW, is pleasing all the people part of the time, and putting across a dignified, significant message of fraternalism and religious worship at the same time.

DO YOU KNOW WHERE THESE PEOPLE LIVE?

TWO contributors to Radio Digest have checks awaiting them if they may be located. Letters bearing their addresses have been returned. The two men are Allan Murphy, of Paducah, Ky., and Marvin Shreffler, of Kankakee, Ill. Friends knowing their proper addresses will please correspond with the Technical Editor, Radio Digest, 510 N. Dearborn St., Chicago.

The Zurich, Switzerland, station, which up till now used but 500 watts power, has been increased to 5,000 watts. The installation is already provided.

Radio Club Notes

Thanks, Mr. Fernald, (whose home town is Baltimore, Md.) Now that others will read of the fine personal work you are doing, many of our Radio club members no doubt will follow suit. Which is but another way of introducing a listener whose interest in Radio is such that he addressed letters to some fifty of his neighbors upon the subject of "Blooping" and offered to help them "keep the air clean."

* *

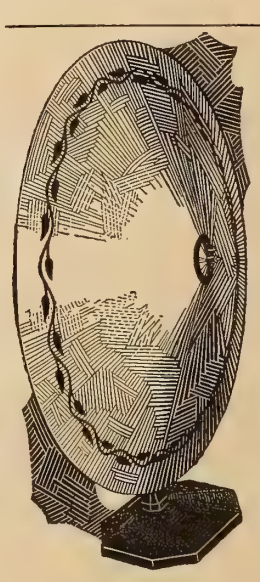
Arthur C. Zellner, Radio editor of the Janesville (Wis.) Daily Gazette, opined that a few might join if he suggested a Radio club, not realizing that most of Janesville's Radio population would come to his party. But they did and the SRO sign went up early in the evening. High spots were the talks given by Mr. D. J. Marcus and Thomas Hefferan, while the blue ribbon was voted to the Wisconsin Light and Power company, when the manager, Mr. W. R. Schmedley, mentioned that his company stood ready to stand back of any move which would make for better Radio reception, and to prove it said, "We will replace, at our own expense, any apparatus in our plant that is found to be the source of interference."

* *

Out where the West begins—Cheney, Washington, to be exact, is the headquarters for a live Radio club. Leon Swank is president and Thomas Smith, secretary-treasurer. Just to be sure that they would get started off on the right foot, James S. Lane of the normal school faculty has the pledge of the club members that they will attend a regular course of instruction, which Mr. Lane will conduct. If you know Radio help your club as Mr. Lane is doing.

* *

Sylvania Radio club of Allentown (Pa.) is so ambitious they have gotten out a new and complete Radio call book with an information encyclopedia compiled by, for, and of average Radio listeners. Other clubs desiring more information on this subject can write to Joseph E. Yeager, 1236 Gordon street, that city.



Make Your Own Cone Loud Speaker —and *Save* $25.00

(All Parts Supplied)

Why pay $35 or more for a cone loud speaker when you can easily assemble a splendid super-sensitive one at home with the complete parts we send you—and save $25?

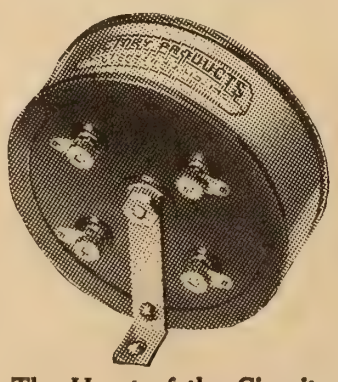
We include a special complete cone unit, blue print and simplified directions for assembling. You can easily set up this wonderful speaker in a few interesting hours. Large size, stands eighteen inches high, complete in every detail. Not only unmatched for beauty, but reproduces the finest sound of music or voice with faultless accuracy. Yet the cost is amazingly low—only $10—for the most approved form of speaker known. You make this big saving because we save the cost of assembling and packing and you save all jobbers' and dealers' profits.

Send No Money

Simply send name and address and the complete outfit will be sent you by return mail. When postman brings package, deposit with him only $10.00 in full payment. If you aren't more than delighted—if you're not absolutely convinced that you have a cone speaker equally as fine as any $35 cone sold—simply return the parts within ten days and your money will be instantly refunded. Never before has a better radio bargain been offered. You would pay at least $35 for a cone speaker of equal quality anywhere. Act at once. Write NOW!

SCIENTIFIC RADIO LABORATORIES 254 West 34th Street, Dep't 54 New York City

Bring in Europe on a Victoreen "Super"



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4, No. 170 R.F. Transformers @..7.00
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You can secure these and all other parts necessary from your dealer.

Victoreen Air Core Transformers are more than matched—they are actually tuned to guaranteed precision of 1/3 of 1%.

Ask your dealer for a free folder and hook-up of Victoreen "Super" or write directly to us. This folder answers all questions about the Victoreen.

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45 volts, $5.25; 90 volts, $10.00; 112½ volts, $12.50; 135 volts, $14.75; 157½ volts, $16.80. Truly the biggest buy today. Easily charged on any current including 32-volt systems. Any special detector plate voltage had. Tested and approved by leading authorities such as Popular Radio laboratories. Over 3 years sold on a non-red tape 30-day trial offer with complete refund if not thoroughly satisfied. Further guaranteed 2 years. Knock-down kits at great savings. Complete "Hawley" "B" battery charger, $2.75. Sample cell, 35c. Order direct—send no money—simply pay the expressman cost on delivery. Or write for my free literature, testimonials and guarantee. Same Day shipments. B. Hawley Smith, 817 Washington Ave., Danbury, Conn.

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Designed to separate low wave stations better when connected to RADIOLA super-het Models 24, 26, AR-812 (semi-portable) AR-813 and VIII also Brunswick and others using the same panel and catacomb.

EASILY ATTACHED AND ATTRACTIVE

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TEN-DAY MONEY-BACK GUARANTEE

and simple instructions for connecting wave spreader to your set mailed with each spreader.

INTRODUCTORY PRICE $9.80

Postpaid to any address in the United States. Use coupon below and mail order today. Don't fuss with congested wave lengths.

USE THE MARTIN WAVE SPREADER

The National Cycle and Radio Company

605 East Fourth Street **Amarillo, Texas**

The National Cycle and Radio Company, 605 East Fourth Street, Amarillo, Texas.
Gentlemen:—Ship at once ONE MARTIN WAVE SPREADER. I have Radiola Model.....
It is understood this will improve turning on low wave stations or my money, less transportation charges, will be refunded if spreader is returned in ten days. Money order for $9.80 is enclosed. Yours truly,

.....

.....

How to Stop Blooping and Man-Made Static

Part X—Receiver for Locating Interference

By The Technical Staff

IT IS obvious that no intelligent attempt toward the elimination of interference can obtain until a study is made in order to determine its character, as well as its location. Very often such a survey will point the way in which the offending media may be most easily remedied.

To illustrate this point, the writer desires to mention a particularly difficult case which he was called upon to assist in eliminating, as an example of peculiarities which are, at times, almost ridiculous once the offending medium is discovered. The case in mind had to do with an alternating current hum which insisted upon appearing upon a given evening each week, but was absent at all other times, the noise being so loud and continuous that it was quite impossible to operate the receiver. So far as was possible, without employing a loop directional test, both the receiver and its wiring, including the antenna and lead in, were not at fault. The immediate neighborhood did not reveal any devices which could be blamed for any such noise of this character. It was evident that the unusual was taking place, but how and from what source of supply was an entirely different story.

In near desperation, an inspection of the house wiring was decided upon. Upon entering the kitchen, which was adjacent to the room in which the receiver was located, the first object to greet the writer's eyes was the wife of the home busily engaged with her weekly ironing. Turning off the electric iron proved conclusively that we had found the cause of the trouble, it being apparent that, as it was very close to the receiver and only separated by a partition, in operation it was influencing the inductances of the receiver.

While many types of circuits which will operate from a loop may be designed and constructed in portable form, as an assistance to those who may not have a suitable circuit, this article describes a type of receiver that has proven very satisfactory in locating interference. Two illustrations are shown, one of the circuit, the other of the completed receiver. It should be understood that in following the circuit, it is not essential that it be mounted as shown in the completed receiver, this photo merely being offered as but one of many arrangements which may be constructed, and possibly more elaborate than would be desired by many.

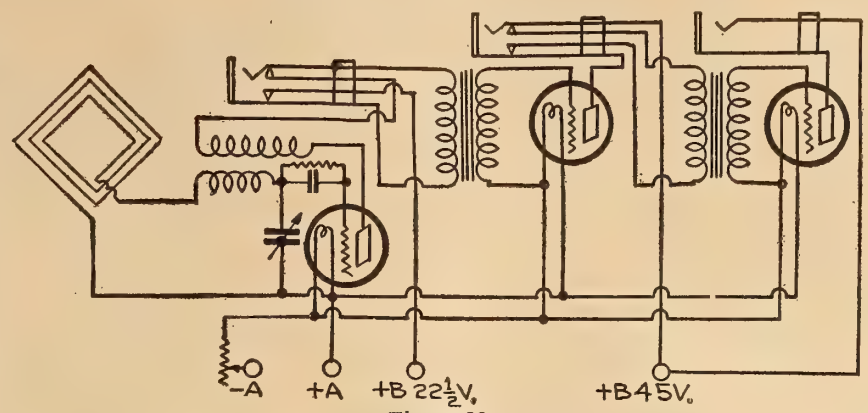


Figure 19

The specifications for a receiver following the diagram shown are as follows:

The loop is pancake wound, the outside turn 22 inches square, the total turns to be 14, spaced ⅜-inch apart. The plate coil consists of 50 turns of number 26 dcc., wound upon a 3½-inch tube of Formica. The grid coil is composed of 40 turns of number 26 dcc., wire wound on a 3-inch tube. The tuning condenser should have a maximum capacity of .0005 mfd. and be of the straight line frequency type if possible, although a straight line wave length type will work reasonably well. It is highly desirable that a noninductive variable grid leak with clips for the mounting of a .00025 mfd. fixed condenser be used with this circuit, as at times extreme sensitivity is required for the operation of the detector. Such cases require a leak which may be varied from ¼ to 10 megohms in order to secure best detector operation.

As the three tubes are controlled from one rheostat, the resistance value required will vary in accordance with the type of tubes used, while possibly the best practice would be that of using one whose resistance would be sufficient to control all ordinary types of tubes, thus eliminating the necessity of changing the rheostat in the event of one desiring to change from "A" type tubes to 199's.

Your attention is called to the wiring arrangement of the first jack which varies from the usual method in that it is connected in such a manner as to provide audio amplification when it is desired to use auxiliary apparatus in connection with current variations or audio frequency only.

The question will arise as to whether it is desirable to shield this or other types of receivers which are to be used for the location of interference, and, at first thought, such a practice would seem advisable. It however is apparent that as the loop must of necessity be exposed it would be quite nonessential to shield the receiver, while in many instances interference caused through, or by, some extreme leak is quite readily picked up and located without having to resort to the use of the loop.

In constructing this or other receivers for this purpose, the same construction rules that direct the building of a high-class receiver for broadcast reception should be followed. Grid leaks should be run as direct and short as possible. Plate leads should be at right angles to the grid leads, if possible, and well apart from them. The by-passing of both the A and B batteries should have one's consideration, while the cabling of all low potential wires adds materially to the all around efficiency of the completed receiver.

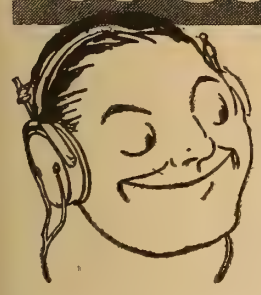
As the receiver in question is to be of a portable type, sponge rubber should be used underneath the socket mounts or sockets which are designed to compensate for the mechanical vibrations incident to the use of the receiver.

The assistance of such members of Radio clubs as will earnestly try to locate sources of interference and report them to the individual in charge of all interference activities, is strongly urged. Much assistance will be required, and of a character which will studiously avoid the personal element which is so disastrous to successful progress.

In the experimental group of broadcast listeners, the habit of tinkering with the receiver is all too common. Imaginary troubles pop up and usually at a time when signal strength fails for a day or so. The listener is often prone to blame his set, while generally the fault is chargeable to atmospherics. This is evi-

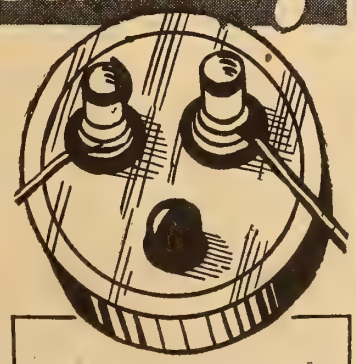
(Continued on next page)

No More Static!



NEWEST, most startling invention eliminates static under all weather conditions. No loss of volume. Everything comes in clear and strong. No more exasperating buzzes, squeaks, and howls.

Start to enjoy the pleasure of your radio. Install a Static Eliminator and you can forget all about static forever. And not only that. You will increase the selectivity of your set—you will be able to tune out other stations easier, sharpen signals, remove noises, lessen interference, and prevent re-radiation. Over a half million Static Eliminators in use now. Thousands being sold daily. You will be enthusiastic too when you hook it up to your set and hear the amazing difference.



STATIC Eliminator fits all makes of radio sets. A child can hook it up in half a minute. Lasts a lifetime.

The Static Eliminator is sturdily made to give many years of perfect service. A simple, but effective device that hooks up to any make of set in 30 seconds. Complete, easy to follow directions included with every Eliminator. You will be amazed at the immediate improvement in your results. Mail coupon for your Eliminator now.

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$1.00 Postpaid

This wonderful new invention sells for only $1.00. Users say it's easily worth ten times this price because it produces such a wonderful improvement in receiving power and clearness of all radio sets.

Satisfaction Guaranteed

You will be delighted with the results of this remarkable instrument. That's why we guarantee absolute satisfaction. Money back if Static Eliminator is returned within 5 days. Don't be without it another day. Begin at once to know the real joy of receiving all stations without interference. Mail this coupon with a dollar bill—TO-DAY!

"MARVELOUS!" Users Write

"I find your Static Eliminator to be the most wonderful addition to a radio set in all my experience. It sure does the work."—J. J. Aldrich, 172 N. 4th St., Columbus, Ohio.

"Am surprised at the wonderful results I am obtaining. I am now receiving stations with clearness that is truly remarkable."—Thos. C. Smith, 2582 Parve Ave., New York.

"Your Static Eliminator is a great help. It gives me a wide receiving range. Last night in less than one hour, I had about 15 different stations."—R. D. Smith, Box 365, Clermont, Forida.

"I like the Eliminator fine. I wouldn't sell it if I couldn't get another."—Burt W. Thompson, Homer, Mich.

Mail This Coupon NOW

STATIC ELIMINATOR COMPANY,
642 United Bank Bldg.,
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Gentlemen: I ENCLOSE $1.00 for which please send me one STATIC ELIMINATOR as advertised. You will return my money if I return Eliminator in five days.

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Address .....

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Year after Year leading builders of fine sets use more Thordarsons than all competitive makes of transformers combined—proof they are best!

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A L Sealed Transformer

Specified by

Dr. Owen

Dr. Owen of Oklahoma University has selected the Jefferson A L Sealed Transformer for his new Torodyne circuit, described in Radio Digest.

Here are his reasons for choosing this superior transformer: (1), Nicety of balance, giving even amplification at low frequencies, and preventing resonant peaks at the higher frequencies. (2), Tests show a practically straight line curve from 30 cycles for the low notes up to 10,000 for the high. (3), Heavy insulation throughout, lowering resistance between the primary and core.

Can Be Used with Power Tubes

(4), Can be used with the new power tubes. (5), This transformer is SEALED IN A METAL CASE, insuring protection against moisture and other outside influences.

Ratio: 2 to 1; price $6. Sold by leading dealers. If your dealer does not have Jefferson A L Transformers in stock, do not be satisfied with a substitute, but write us direct.

Jefferson Electric Mfg. Co.
506 S. Green St., Chicago, Ill.

Specialists in Electrical Precision Equipment

TROUBLE-SHOOTER IN SUITCASE

Figure 20

HELP STOP BLOOPING

(Continued from page 21)

denced by the poor signal strengths which have been an outstanding feature of Radio this season, and particularly so during the recent international tests.

While tinkering is to be discouraged, it is equally important that definite causes of interference should be corrected without delay. Once such interference and its source is located, the presentation of the facts to those owning the offending apparatus, should be given in a manner which will not offend, and with a spirit denoting a sincere desire to be helpful.

Human nature runs pretty true to form the world over. Rubbing one's feathers the wrong way will never bring about the desired cooperation, while diplomacy coupled with sincerity and fairness will usually accomplish the desired result.

(In the next and final "BLOOP" article, the technical staff will describe a newly discovered cause of interference and prescribe for it. You may be causing a disturbance and not know it.—Editor's note.)

The Reader's View

A Moral Obligation

Replying to R. F. Sperling's letter. He says he would like to know more about our way of doing away with local interference. He is right about the license fee of one dollar going toward the elimination of such things as power noises, leaky transformers, ship to shore communication on broadcast waves and similar troubles, but one thing that we are troubled with is the "nut" with the regenerative set who advances his regeneration to the point where he makes life tough for the other fellows.

The government is absolutely helpless in this case. There is no law against bringing one's set to the point of oscillation, it is just a moral obligation. When bloopers realize they can get better reception just below the point of oscillation, this will be a better town to live in.

The marine and fisheries department of Canada issues licenses and the law is that one must have a license before erecting an antenna, under penalty of confiscation of the receiving set. This seems rather hard on the amateur, ignorant of the conditions, doesn't it? So far in this city we have not had any noticeable improvement in reception but, of course, the noises the inspectors did leave us are impossible to control without "canning" the man who listens with his set boiling over.—E.H.T., Saint John, N. B.

Played to Death

Many of our readers seem to prefer popular music over the Radio, but I must say that I can hardly agree with them. No sooner does a really pretty or catchy tune come out, than the Radio stations begin to literally play it to death. When I first heard "All Alone" I liked the song very much. Then I began to hear it over the Radio every night from every station in the country, and after hearing it about fifty times from as many stations, I felt that I never wanted to hear the song again as long as I lived.

Is it any wonder then, that these songs very soon cease to be popular and the public clamors for something "new"? I think Radio broadcasting is a dandy means of destroying the popularity of any song.—H.K.M., Alva, Okla.

He Likes Us

Thank you, Radio Digest. For four years I have been waiting for some magazine to come out with the truth as to what kind of receivers radiate. And you include the super and the tuned R. F. and the dear old neut. Now we are getting down to business and perhaps there will be results. While other Radio publications confine their anti-blooper remarks to the so-called regenerative set, Radio Digest hits the whole family of bloopers. More power to you and may you not lose any subscribers or advertisers.—H. W., Wakefield, Nebr.

For the Good of Radio

Please allow me room in your paper to express my opinion concerning the overcrowded and general "mussed up" condition of the wave channels from 280 meters on down. I think something should be done to bring about some relief of the situation. As it is now, the lower half of the dials are practically useless, except a few stations that can be received clear and without interference from other stations near the same wave length. This situation is a serious matter and needs Mr. Hoover's immediate attention.—W.B.S., Austin Texas.

Justifies WJAZ Piracy

I have been somewhat interested to read of the federal suit against WJAZ for pirating wave lengths, I feel that WJAZ is perfectly justified in "Piracy," if you wish to call it that. The Radio commission has given them such a small assignment of time as compared to other stations that you can't blame them for turning pirates. Here's hoping that Mr. McDonald of WJAZ wins out. Compliments to E. F. McD.—F. A. P., Nestoria, Mich.

Short waves travel farther than long waves and require less power to cover the same distance than the longer waves do.

A storage battery is good for several years or more, depending on its careful maintenance.

CLASSIFIED ADVERTISEMENTS

Classified advertisements in Radio Digest produce results. Have you a receiving set to sell? Do you want to buy a Radio? A classified advertisement in this column will sell your set.

Rates are twenty cents a word for each insertions, ten per cent for six insertions, fifteen per cent for twelve insertions, twenty per cent for twenty-four insertions. Name and address to be included at above rate. Cash should accompany order. Minimum of ten words.

Objectionable and misleading advertisements not accepted. Forms close three weeks prior to date of publication, which is Saturday.

BLUE PRINTS

Super-Het, Ryan's Simplest Possible 7-Tube Set. Complete instructions, actual size template. How to make a loop. All for 50 cents. Book Dept., Radio Digest, 510 North Dearborn Street, Chicago.

MISCELLANEOUS

Photos of Your Favorite Radio Stars. Ten cents and coupon appearing on another page of this issue will entitle you to one of the photos from Radio Digest gallery of stars. Radio Digest, 510 North Dearborn Street, Chicago.

PATENT ATTORNEYS

PATENT ATTORNEYS

PATENTS. Booklet free. Highest references. Best results. WATSON E. COLEMAN, Patent Lawyer, 644 G Street, Washington, D. C.

RADIO

Five tube Radio only $22.50. Seminole Radio, 427 East 16th St., New York.

BUS BAR WIRE

Use COOK'S

We make a superior wire of pure copper

Every piece of Cook Bus Bar Wire is now plainly stamped "COOK'S"—your protection against substitutes.

It is finished square or round, properly tinned and correctly tempered for radio use.

Furnished in standard lengths of 2 feet.

EDWARD N. COOK PLATE CO.
72 Ship Street Providence, R. I.

REPRESENTATIVES
A. ALLEN SMITH
304 E. Fourth St., Los Angeles, Cal.
WOOD & LANE CO.
915 Olive Street, St. Louis, Mo.
MR. W. I. OTIS
Rialto Building, San Francisco, Cal.
HARRY J. CAFFREY
51 East 42nd St., New York, N. Y.

RADIO We want to hear from hard-hitting radio dealers operating live-wire stores who want to make the best jobber connection in America.

DEALERS

Our eight big warehouses furnish you with the finest products in radio. And we ship fast.

WANTED

Write today on your letterhead for big catalog of nationally advertised lines.

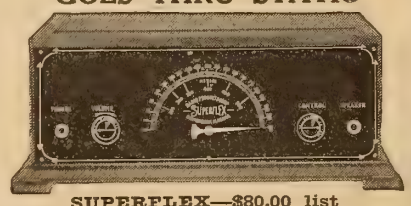
Ask for AE 1006

WAKEM & McLAUGHLIN, Inc.
225 E. ILLINOIS STREET, CHICAGO, ILL.

It SEPARATES the STATIONS

One Dial (1 condenser)

GOES THRU STATIC



SUPERFLEX—$80.00 list

Dealers—ask us WHY? Test a sample.

RADIO PRODUCTS CORPORATION, (Inc.)
3816 N. 28th St. Birmingham, Alabama

A&B Battery Charger ONLY $2

SATISFACTION GUARANTEED

Charges any type of storage A or B battery, using a few cents worth of ordinary house current. Works perfectly on either alternating or direct current. Cannot injure battery and lasts for years. May be used as a trickle charger. Complete directions enclosed — anyone can operate. No expensive "extras" to buy.

Why pay $10.00 to $18.00 for a charger when you can get this splendid GUARANTEED R. B. Charger by mailing us two dollars (bills, money order, check or stamps) plus 10c in stamps or coin to pay mailing costs. Charger will be sent postpaid. If you are not satisfied, return within five days and we will refund your money. Order at once—TODAY.

R. B. Specialty Company
308 East Third, Dept. 343, Cincinnati, Ohio

Nightingale

6-tube Set with Integral Loud Speaker **$75**

A wonderful, sharp tuning set of beautiful tone, made complete in our own factory. Five tube assembly suffices for most stations, but volume can be tripled by using 6 tube terminal. No wasteful neutralizing condensers but perfect balance of parts. *See Nightingale dealer or write to*

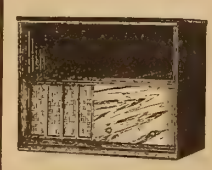
THE GUTHRIE CO., GRAFTON, OHIO
Makers of the famous Songbird Line

Radio Bargain Hunters

***This Cabinet* $3.45 7x21**

with built in speaker

also carried in 7x24—7x26



Finished in hand rubbed Adam brown mahogany. Lower part of the cabinet contains the loud speaker horn. The end of the loud speaker is covered with a silk screen which adds richness to the entire cabinet. A clip suitable for attaching a loud speaker unit is included. No unit included.

Panel Size	Price
7x21	$3.45
7x24	3.95
7x26	4.95

Values to $14.00

We purchase for cash, bankrupt and surplus stocks from manufactures and jobbers throughout the country. By selling entirely for cash, we are able to offer guaranteed quality radio apparatus at hitherto unheard of, low prices. We do not have everything in radio, but if we have it, you can save money.

Send for the Bass Bargain Bulletin and save money on your radio needs.

A. H. BASS & CO.
744 N. Clark St., Dept. 16, Chicago, Ill.

NICHROME GENUINE WIRE

Easy Now to Make and Repair Electrical Appliances

Highest grade resistance wire needed in all electrical appliance building and repair; Absolutely guaranteed up to 660 watts, 110-12-Volts, 6 Amps.

COMPLETE PACKAGE 60c Put up in handy packs, enough to wire or repair range, furnace, iron, griddle, toaster or any appliance, complete with mica washers and full instructions. Or furnished in straight lengths 100 ft or more; small size round or flat 1½c foot; large size round 2c foot. Order today. Either enclose money, stamps or draft.

ANDERSON-PITT CORPORATION
Makers of the Anderson-Pitt Heater
2615 Walnut Street Kansas City, Mo.

BODINE TWIN-EIGHT R.F. COIL

A remarkable new radio frequency transformer that combines a very limited magnetic field with tremendous amplification. Very sharp tuning. For real satisfaction use TWIN-EIGHTS.

Price $3.00 each, $9.00 per set of 3 matched coils. At your dealer or sent postpaid upon receipt of check or money order. Wiring diagrams free.

BODINE FOLDING LOOP AERIAL

Wonderfully efficient. Large enough to give good signal pick-up, but folds to fit in small box. Beautifully finished in mahogany and satin silver. The best loop at any price. Standard loop $8.50. Equipped with 5 point tap switch $10.00. Write for folder.

BODINE ELECTRIC CO.
2260 W. Ohio St., Chicago, Ill.

GALACITE *Makes Your Tires* PUNCTURE-PROOF *in* ONE minute

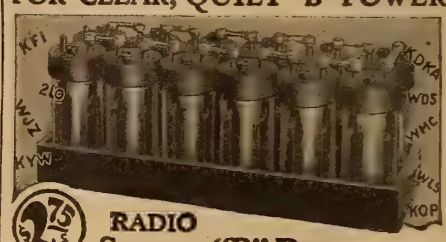
Tires hammered full of nails, leak no air. This startling new invention banishes tire trouble forever. **Repairs punctures without taking the tire off the rim.** Actually makes any tire puncture-proof for life. Seals instantly all punctures, slow leaks and porous places, often **increases tire mileage from 10,000 to 12,000 miles** by preserving rubber and keeping tires properly inflated. **Positive money back guarantee** means **GALACITE* must make good—or we will.**

AGENTS $10,000 a Year

IMMEDIATE. Tremendous profits selling this revolutionary invention to car owners, Garages, Service Stations, etc. **Earn up to $10,000 a year** with exclusive territory. Your name and address brings particulars by return mail. **Send Today** before someone else gets territory you want.

C.F. JOHNSON & CO., 19 W. Jackson Blvd., Dept. 172, Chicago, U.S.A.

FOR CLEAR, QUIET "B" POWER



RADIO Storage "B" Battery

12 Cells 24 Volts ***Lasts Indefinitely—Pays for Itself***

Economy and performance unheard of before. Recharged at a negligible cost. Delivers unfailing power that is clear, pure and quiet. Approved and listed as Standard by leading Radio Authorities, including Pop. Radio Laboratories, Pop. Sci. Inst. Standards, Radio News Lab., Lefax, Inc., and other important Institutions. Equipped with *Solid Rubber Case*, an insurance against acid and leakage. Extra heavy glass jars. Heavy rugged plates. Order yours today!

SEND NO MONEY Just state number of batteries wanted and we will ship day order is received. **Extra offer:** 4 batteries in series (96 volts) $10.50. Pay expressman after examining batteries. 5 per cent discount for cash with order. Mail your order now!

WORLD BATTERY COMPANY
1219 So. Wabash Ave., Dept. 76 Chicago, Ill.

Makers of the Famous World Radio "A" Storage Battery
Prices: 6-volt, 100 Amp. $11.25; 150 Amp. $15.25; 140 Amp. $16.00. All equipped with Solid Rubber Case.

World STORAGE BATTERIES

Set your Radio Dials at 210 meters for the new 1000 watt World Storage Battery Station, WSBC, Chicago. Watch for announcements.

KDKA WEAF WGN WJS KHJ KGO KFAF WJY KOP

Radiophone Broadcasting Stations

Corrected Every Week—Part V

Alabama:
Auburn, WAPI
Birmingham, WBRC
Montgomery, WIBZ

Arizona:
Flagstaff, KFXY
Phoenix, KFAD, KFCB

Arkansas:
Fayetteville, KUOA
Hot Springs National Park, KTHS

California:
Alma, KFQU
Avalon, KFWO
Bear Lake, KFXB
Berkeley, KRE
Burlingame, KFOB
Chico, KFWH
Fresno, KMJ
Hollywood, KFQZ, KFWB, KNX
Long Beach, KFON
Los Angeles, KFI, KFPR, KFSG, KHJ, KMTR, KNRC, KTBI
Oakland, KFUS, KFUU, KFWM, KGO, KLS, KLX, KTAB, KZM
Oxnard, KFYF
Pasadena, KPPC, KPSN
Sacramento, KFBK
San Diego, KFBC, KFVW
San Francisco, KFRC, KGTT, KJBS, KPO, KUO
San Jose, KFAF, KQW
San Pedro, KFVD
Santa Barbara, KFHJ
Santa Maria, KSMR
South San Francisco, KFWI
Stockton, KWG
San Bernardino, KFWC

Colorado:
Colorado Springs, KFUM, KFXF
Denver, KFEL, KFXJ, KFUP, KFVR, KLZ, KOA
Greeley, KFKA
Gunnison, KFHA
Trinidad, KFBS

Connecticut:
Hartford, WTIC
New Haven, WDRC
Stores, WCAC

Delaware:
Wilmington, WHAV

District of Columbia:
Washington, WCAP, WMAL, WRC, WRHF

Florida:
Clearwater, WGHB
Fulford-by-the-Sea, WGBU
Jacksonville, WJAX
Miami, WQAM
Miami Beach, WIOD, WMBF
Pensacola, WCOA
St. Petersburg, WHBN, WJBB
Tampa, WDAE
Winter Park, WDBO

Georgia:
Atlanta, WDBE, WGST, WSB, WMAZ
Macon, WMAZ
Savannah, WEBZ

Idaho:
Boise, KFAU, KFDD
Kellogg, KFEY

Illinois:
Batavia, WORD
Cambridge, WTAP
Carthage, WTAD
Chicago, KYW, WAAF, WBBM, WBBZ, WBCN, WEBH, WENR, WFKB, WGN, WHBL, WHBM, WHT, WIBJ, WIBM, WIBO, WJAZ WKBG, WLIB, WLS, WLTS, WMAQ, WMBB, WOK, WPCC, WQJ, WSBC, WSWS
Decatur, WBAO, WJBL
Evanston, WEHS
Galesburg, WFBZ, WRAM
Harrisburg, WEBQ
Joliet, WCLS, WJBA, WKBB
La Salle, WJBC
Mooseheart, WJJD
Oak Park, WGES
Plainfield, WWAE
Rockford, KFLV
Rock Island, WHBF
Streator, WTAX
Sycamore, WJBN
Tuscola, WDZ
Urbana, WRM
Zion, WCBD

Indiana:
Anderson, WEBD, WHBU
Culver, WHBH
Evansville, WGBF
Fort Wayne, WHBJ, WOWO
Kokomo, WJAK
Indianapolis, WFBM
Laporte, WRAF
Logansport, WIBW
South Bend, WSBT
Seymour, WFBE
Valparaiso, WRBC
West Lafayette, WBAA

Iowa:
Ames, WOI
Anita, KFLZ
Boone, KFGQ
Burlington, WIAS
Cedar Rapids, KWCR, WJAM
Clarinda, KSO
Council Bluffs, KOIL
Davenport, WOC
Des Moines, WHO
Fort Dodge, KFJY
Iowa City, KFQP, WSUI
LeMars, KWUC
Marshalltown, KFJB
Muscatine, KTNT
Oskaloosa, KFHL
Shenandoah, KFNF, KMA
Sioux City, KFMR, WEAU

Kansas:
Independence, KFVG
Junction City, KFJC
Lawrence, KFKU
Manhattan, KSAC
Wichita, KFH, KFOT

Kentucky:
Louisville, WHAS, WLAP

Louisiana:
Kennonwood, KFDX, KWKH
New Orleans, WABZ, WBBS, WCBE, WJBO, WOWL, WSMB, WWL
Pineville, KFWU

Maine:
Bangor, WABI
Orono, WGBX
Portland, WCSH

Maryland:
Baltimore, WBAL, WCAO, WCBM, WFBR
Takoma Park, WBES

Massachusetts:
Boston, WBZA, WEEI, WNAB, WNAC, WSSH
Fall River, WSAR, WTAB
Medford Hillside, WARC
New Bedford, WNBH
South Dartmouth, WMAF
Springfield, WBZ
Taunton, WAIT
Webster, WKBE
Worcester, WTAG

Michigan:
Bay City, WSKC
Berrien Springs, WEMC
Dearborn, WWI
Detroit, WCX, WGHP, WJR, WMBC, WWJ
East Lansing, WKAR
Escanaba, WRAK
Flint, WFDF
Grand Rapids, WBDC, WOOD
Houghton, KFMW, WWAO
Lansing, WREO
Mt. Clemens, WABX
Owosso, WSMH
Petosky, WBBP
Port Huron, WAFD
Royal Oak, WAGM
Ypsilanti, WJBK

Minnesota:
Collegeville, WFBJ
Minneapolis, KFDZ, WAMD, WCCO, WGWY, WHDI, WLB, WRHM
Northfield, KFMX, WCAL
St. Cloud, WFAM
St. Paul, AV7, KFOY
Sihtipok, KIAF
Welcome, KFVN

Mississippi:
Coldwater, WREC
Oxford, WCBH

Missouri:
Cape Girardeau, KFVS
Carterville, KFPW
Columbia, KFRU
Independence, KLDS
Jefferson City, WOS
Kansas City, KWKC, WDAF WHB, WOQ
Kirksville, KFKZ
Moberly, KFFP
St. Louis, KFQA, KFUO, KFWF, KMOX, KSD, WEW, WIL, WMAY, WSBF
University City, KFVE

Montana:
Havre, KFBB
Missoula, KUOM

Nebraska:
Clay Center, KMMJ
David City, KFOR
Hastings, KFKX
Lincoln, KFAB, KFAV
Norfolk, WJAG
Oak, KFEQ
Omaha, KOCH, WAAW, WNAL, WOAW
University Place, WCAJ

New Hampshire:
Laconia, WKAV

New Jersey:
Atlantic City, WHAR, WPG
Camden, WGAM
Elizabeth, WIBS
Gloucester City, WRAX
Lambertville, WTAZ
Newark, WAAM, WNJ, WOR
North Plainfield, WEAM
Paterson, WODA
Red Bank, WJBI
Trenton, WOAX

New Mexico:
Albuquerque, KFLR, KFVY
State College, KOB

New York:
Bay Shore, WRST
Buffalo, WEBR, WGR, WPDQ, WSVS
Canton, WCAD
Cazenovia, WMAC
Flushing, WIBI
Freeport, WGBB
Ithaca, WEAI
Jamestown, WOCL
Kingston, WDBZ
Lockport, WMAK
New York, WBBR, WBNY, WBPI, WEAF, WEBJ, WFRL, WGBS, WGCP, WHAP, WHN, WJY, WJZ, WLWL, WMCA, WMSG, WNYC, WOKO, WQAO, WRMU, WRNY, WSDA
Richmond Hill, WAHG, WBOQ, WFBH, WFBL, WGMU, WWGL
Rochester, WABO, WHAM, WHEC
Schenectady, WGY
Syracuse, WFBL
Tarrytown, WRW
Tondi, WONK
Troy, WHAZ
Utica, WIBX

North Carolina:
Asheville, WABC
Charlotte, WBT, WJBG
Fort Bragg, AT9
Raleigh, WRCO

North Dakota:
Bismarck, KFYR
Devils Lake, KDLR
Fargo, WDAY, WPAK
Grand Forks, KFJM

Ohio:
Akron, WADC
Bellefontaine, WHBD
Canton, AQ6, WHBC
Cambridge, WEBE
Cincinnati, WAAD, WKRC, WLW, WSAI
Cleveland, WDBK, WEAR, WHK, WTAM
Columbus, WAIU, WEAO, WMAN
Dayton, AW5, WSMK
Hamilton, WRK, WSRO
Pomeroy, WSAZ
Springfield, WCSO
Toledo, WABR, WTAL
Wooster, WABW
Yellow Springs, WRAV

Oklahoma:
Bristow, KVOO
Chickasha, KOCW
Norman, WNAD
Oklahoma City, KFJF, KFXR, WKY
Tulsa, WLAL

Oregon:
Astoria, KFJI
Corvallis, KOAC
Portland, KFEC, KFIF, KFJR, KFWV, KGW, KQP, KTBR

Pennsylvania:
Allentown, WCBA, WSAN
Altoona, WFBG
Elkins Park, WIBG
Grove City, WSAJ
Harrisburg, WABB, WBAK, WHBG, WPRC
Haverford, WABQ
Johnstown, WHBP
Lancaster, WGAL
Lewisburg, WJBU
Oil City, WHBA
Parkesburg, WQAA
Philadelphia, WABY, WCAU, WFBD, WFI, WHBW, WIAD, WIP, WLIT, WNAT, WOO, WWAD
Pittsburgh, KDKA, KQV, WCAE, WJAS
Reading, WRAW
Scranton, WGBI, WQAN
State College, WPSC
Wilkes-Barre, WBAX, WBRE

Rhode Island:
Cranston, WDWF
Providence, WCBR, WCWS, WEAN, WGBM, WJAR, WLSI

South Carolina:
Charleston, WBBY

South Dakota:
Brookings, KFDY
Rapid City, WCAT
Vermillion, KUSD
Yankton, WNAX

Tennessee:
Chattanooga, WDOD
Knoxville, WFBC, WNOX
Lawrenceburg, WOAN
Memphis, WGBC, WHBQ, WMC
Nashville, WCBQ, WDAD, WSM

Texas:
Amarillo, WDAG
Austin, KUT
Beaumont, KFDM, KFXM
Beeville, KFRB
Brownsville, KWWG
College Station, WTAW
Dallas, WFAA, WRR
Dublin, KFPL
El Paso, KFXH, WDAH
Fort Worth, KFQB, KFJZ, WBAP
Galveston, KFLX, KFUL
Greenville, KFPM
Houston, KFVI, KFYJ, KPRC
San Antonio, WCAR, WOAI
San Benito, KFLU
Texarkana, KFYO
Waco, WJAD

Utah:
Logan, KFXD
Ogden, KFUR, KFWA
Salt Lake City, KDYL, KFOO, KFUT, KSL

Vermont:
Burlington, WCAX
Springfield, WQAE

Virginia:
Norfolk, WBBW, WTAR
Radio, NAA
Richmond, WBBL, WRVA
Roanoke, WDBJ

Washington:
Everett, KFBL
Lacey, KGY
North Bend, KFQW
Olympia, KFBW
Pullman, KWSC
Seattle, KFOA, KJR, KTCL, KTW
Spokane, KFPY, KHQ
Tacoma, KMO
Walla Walla, KOWW
Yakima, KFIQ

West Virginia:
Weirton, WIBR

Wisconsin:
Beloit, WEBW
Camp Lake, WCLO
Eau Claire, WTAQ
Fond du Lac, KFIZ
Madison, WHA, WIBA
Marshfield, WGBR
Milwaukee, WHAD, WKAF, WSOE
Omro, WJBR
Poynette, WIBU
Sisiht, WBAR
Stevens Point, WLBL
Superior, WEBC
West De Pere, WHBY

Wyoming:
Laramie, KFBU

Alaska:
Anchorage, KFQD
Juneau, KFIU

Hawaii:
Honolulu, KGU

Philippine Islands:
Baguio, KZUY
Manila, KZIB, KZKZ, KZRQ

Porto Rico:
San Juan, WKAQ

Canada:
Burketon Junction, CKCW
Burnaby, CJKC
Calgary, CFAC, CFCN, CNRC
Charlottetown, CFCY
Edmonton, CFCK, CJCA, CNRE
Hamilton, CFCU, CHCS, CKOC
Iroquois Falls, CFCH
Kingston, CFMC, CFRC
London, CJGC
Moncton, CNRA
Montreal, CFCF, CHYC, CKAC, CNRM
New Westminster, CFXC, CFYC
Ottawa, CHXC, CKCO, CNRO
Regina, CKCK, CNRR
Saskatoon, CFQC, CHUC, CJWC, CNRS
Thorold, CFKC
Toronto, CFCA, CHIC, CHNC, CJBC, CJCD, CJSC, CJYC, CKCL, CKNC, CNRT
Unity, CHSC
Vancouver, CFCQ, CFDC, CKCD, CKFC, CNRV
Victoria, CFCT
Winnipeg, CKY, CNRW

Cuba:
Camaguey, 6YR, 7AZ, 7BY, 7CX, 7DW, 7SR
Santa Clara, 6BY, 6DW, 6EV, 6GR, 6GT, 6HS, 6JQ
Colon, 5EV
Havana, PWX, Q2LC, 1AZ, 2AB, 2BB, 2BY, 2CG, 2CX, 2EP, 2HP, 2JL, 2JP, 2LR, 2MG, 2MK, 2OK, 2OL, 2PK, 2RK, 2RM, 2RY, 2SZ, 2TW, 2UF, 2WW, 2XX
Mantanzas, 5AZ, 5BY
Santiago, 8AZ, 8BY, 8FU, 8IR, 8JQ
Tuinucu, 6XJ, 6KW

Mexico:
Chihuahua, CZF
Mazatlan, CYR
Mexico City, CYA, CYB, CYG, CYH, CYL, CYX, CYZ, CZA, CZE, XDA
Monterey, CYS
Oaxaca, CYF

STATION SCHEDULES

(Continued from last week)

CHIC, Toronto, Can. 356.9m-840kc. 500 watts. Northern Electric Company, Ltd. Announcer, R. W. Lowman. Mon, 8-10 pm. Sat, 8 pm. Eastern.

CHNC, Toronto, Can. 356.9m-840kc. 500 watts. Toronto Radio Research society.

CHSC, Unity, Sask., Can. 356.9m-840kc. 250 watts. Horace N. Stovin. Slogan, "A Good Town in a Good District." Daily ex Sun, 5-6:30 pm. Wed, 8-12 mid. Sun, 9-10:30 pm. Mountain.

CHUC, Saskatoon, Sask., Can. 329.5m-910kc. 50 watts. International Bible Students' association. Announcer, G. B. Nash. Tues, Thurs, 8-10 pm. Sun, 8:30-10:30 pm.

CHXC, Ottawa, Ont., Can. 434.5m-690kc. 250 watts. J. R. Booth, Jr. Fri, 8:30-1 am.

CHYC, Montreal, Que., Can. 410.7m-730kc. 850 watts. Northern Elec. Co., Ltd. Announcer, N. S. Richards. Wed, 7-8 pm, 8:30. Sun, 11 am, 7 pm. CNRM programs occasionally. Eastern.

CJBC, Toronto, Can. 356.9m-840kc. Jarvis St. Baptist Church.

CJCA, Edmonton, Alta., Can. 516.9m-580kc. 500 watts. Edmonton Journal, Ltd. Announcer, R. A. Rice. Slogan: "The Sunniest Spot in Sunny Alberta." Daily ex Sun, 12:30 pm, news, markets. Thurs, 6-8 pm; 8-8:15. Sun, 7:30-9 pm. Mountain.

CJCD, Toronto, Ont., Can. 356.9m-580kc. 50 watts. The T. Eaton Co., Ltd.

CJGC, London, Ont., Can. 329.5m-910kc. 1,000 watts. London Free Press. Daily ex Sun, 1-2 pm, stocks, music. Tues, Wed, Thurs, Fri, 7-9 pm. Fri, 11-12 midnight. Sun, 11 am, 1-3 pm, 7, church services. Eastern.

CJKC, Burnaby, B. C., Can. 410.7m-730kc. 500 watts. Pyramid Temple society.

CJSC, Toronto, Can. 356.9m-840kc. 500 watts. The Evening Telegram.

CJWC, Saskatoon, Sask., Can. 329.5m-910kc. 250 watts. Wheaton Elec. Co. Announcer, M. Bowes. Daily ex Sun, 12-1 pm. Mon, 8-10. Tues, Thurs, 6-7 pm, dinner. Slogan, "The Voice of Saskatoon." Mountain.

CJYC, Toronto, Can. 291.1m-1030kc. 500 watts. De-Forest Radio Corp., Ltd.

CKAC, Montreal, Que., Can. 410.7m-730kc. 3,300 watts. La Presse. Announcer, Jacques Cartier. Mon, Wed, Fri, 1:45 pm, orchestra. Daily ex Sat, 4 pm, weather, markets, stocks, reports. Tues, Sat, 7 pm, safety talks; 10:30, dance. Sun, 2:45 pm, Capitol theater; 4:30, first three Thurs of month, CNRM. Last Thurs, Frontenac Breweries studio. Eastern.

CKCD, Vancouver, B. C., Can. 410.7m-730kc. 750 watts. Vancouver Daily Province. Announcer, William Rose. Slogan, "Canada's Western Gateway." Daily ex Sun, 8:30-9:30 pm, music, news, entertainment. Pacific.

CKCK, Regina, Sask., Can. 312.3m-960kc. 500 watts. Leader Pub. Co. Announcer, A. W. Hooper. "The Queen City of the West." Daily ex Sat, Sun, Tues, 9:45-10:30 am; 1-1:45 pm; 7:30-8:15, music, news, markets. Tues, 9:45-10:30 am; 1-1:45 pm; (CNRR) 8-10 pm. Sat, 9:45-10:30 am; 1-1:45 pm. Sun, 9 pm, service. Mountain.

CKCL, Toronto, Can. 356.9m-840kc. 5,000 watts. The Dominion Battery Co., Ltd.; Daily ex Sat, Sun, 10:30 am, 10:58, time. Mon, Wed, Fri, 7 am, 7:15, 7:45, exercises; Mon, 11:20 am, markets; 3:30-4:30 pm. Tues, 3-4:15 pm, 7-11:50. Wed, 11:20 am, 3-3:30 pm. Thurs, 3-4:30 pm. Fri, 11 am, 11:20, markets; 3:15-4:30 pm. Sat, 7-8 pm. Sun, 3-4 pm. Eastern.

CKCO, Ottawa, Ont., Can. 434.5m-690kc. 100 watts. Dr. G. M. Geldert (Ottawa Radio Assn.) Announcer, Dr. O. K. Gibson. Slogans, "Ottawa's Radio Voice." "The Community Voice of Canada's Capital." Tues, 8-10 pm. Sun, 7 pm, services; 9, sacred concert. Eastern.

CKCW, Burketon Junction, Ont., Can. 329.5m-910kc. 5,000 watts. Canadian Broadcasting Corp.

CKFC, Vancouver, B. C., Can. 410.7m-730kc. 50 watts. First Congregational church.

CKNC, Toronto, Ont., Can. 356.9m-840kc. 750 watts. Canadian National Carbon Co., Ltd. Mon, 8-12 mid. Sat, 4-5 pm, 8-12. Eastern.

CKOC, Hamilton, Ont., Can. 340.7m-880kc. 50 watts. Wentworth Radio Supply Co., Ltd. Announcer, F. May. Slogan: "In the Garden of Canada." Mon, Sat, 6:15-7:15 pm, organ. Tues, Wed, Thurs, 5:30-6:30 pm. Fri, 6-7 pm. Sat, 4:30-5:30 pm. Sun, 2-3 pm. Eastern.

CKY, Winnipeg, Man., Can. 384.4m-780kc. 500 watts. Manitoba Tel. System. Announcer, D. R. P. Coats. Slogan, "Manitoba's Own Station." Daily ex Sun, 10:50-11 am, time, weather; 12:30-1:30 pm, music, lectures, livestock; 2:15 pm, grain markets; 4-5, news, kiddies story. Mon, Thurs, Sat, 8 pm, lecture; 8:30, music. Wed, 7:30 pm, CNRW program. Sun, 7 pm. Central.

CNRA, Moncton, N. B., Can. 312.3m-960kc. 500 watts. Canadian National Railways. Announcer, W. V. George. Slogan, "Voice of the Maritimes." Daily ex Sun, 2:45-3:45 pm. Tues, 7:30 pm. Fri, 9 pm. Atlantic.

CNRC, Calgary, Alta., Can. 435.8m-688kc. 750 watts. Canadian National Railways. Thurs, 7 pm, bedtime story; 9-11. Mountain.

CNRE, Edmonton, Alta., Can. 516.9m-580kc. 500 watts. Canadian National Railways. Fri, 7:30-8 pm, 8:30-10:30. Mountain.

CNRM, Montreal, Que., Can. 410.7m-730kc. 1,000-1,650 watts. Canadian National Railways. Announcer, J. S. McArthur. Thurs, 8:30 pm. Eastern.

CNRO, Ottawa, Can. 434.5m-690kc. 500 watts. Canadian National Railways. Announcer, A. W. Ryan. Wed, Sat, 7:30 pm, markets, bedtime story; 8, 9, 10:30, dance program. Eastern.

CNRR, Regina, Sask., Can. 475.9m-630kc. 500 watts. Canadian National Railways. Tues, 8-10 pm. Mountain.

CNRS, Saskatoon, Sask., Can. 329.5m-910kc. 500 watts. Canadian National Railways. Daily, 2:30-3:30 pm. Mountain.

CNRT, Toronto, Ont., Can. 356.9m-840kc. 500 watts. Canadian National Railways. Announcer, E. W. Jackson. Fri, 6:30-12 midnight. Eastern.

CNRV, Vancouver, Can. 291.1m-1030kc. 500 watts. Canadian National Railways. Announcer, G. A. Wright.

CNRW, Winnipeg, Man., Can. 384.4m-780kc. 500 watts. Canadian National Railways. Wed, 7:30 pm, bedtime story, farmers' talk; 8, dinner concert; 8:30, studio; 10, dance. Central.

Cuba

PWX, Havana, Cuba. 400m-750kc. 500 watts. Cuban Telephone Co. International Tel. & Teleg. Corp. Mon, Tues, Sat, 8:30-11 pm. Wed, Sun, 8-10 pm, music. Eastern.

Q2LC, Havana, Cuba. 250m-1200kc. 50 watts. Luis Casas.

1AZ, Havana, Cuba. 275m-1090kc. 5 watts. Antonio Sarasola.

2AB, Havana, Cuba. 235m-1277kc. 10 watts. Alberto S. Bustamante.

2BB, Havana, Cuba. 255m-1176kc. 15 watts. Bernardo Barrie.

2BY, Havana, Cuba. 315m-952kc. 100 watts. Electrical Equipment Co. of Cuba. Mon, Thurs, 7-8 pm. Eastern

2CG, Havana, Cuba. 350m-857kc. 15 watts. Humberto Giquel.

2CX, Havana, Cuba. 320m-937kc. 10 watts. F. W. Borton.

2EP, Havana, Cuba. 355m-845kc. 400 watts. El Pais.

2HP, Havana, Cuba. 295m-1016kc. 100 watts. Credito y Construcciones Co.

2JL, Havana, Cuba. 275m-1090kc. 5 watts. Jose Leiro.

2JP, Havana, Cuba. 270m-1110kc. 20 watts. Julio Power.

2LR, Havana, Cuba. 235m-1277kc. 10 watts. Jose Lara.

2MG, Havana, Cuba. 280m-1070kc. 20 watts. Manuel Y. Guillermo Salas Music Store. Announcer, Roger Morales. Daily, 3-4 pm, music. One day each week, 8-11 pm. Eastern.

2MK, Havana, Cuga. 85m-3528kc. 20 watts. R. V. Waters.

2OK, Havana, Cuba. 360m-833kc. 100 watts. Mario Garcia Velez.

2OL, Havana, Cuba. 300m-1000kc. 100 watts. Columbus Cycle Radio Co.

2PK, Havana, Cuba. 195m-1538kc. 10 watts. George A. Lindeaux.

2RK, Havana, Cuba. 310m-967kc. 100 watts. Raoul Karman. Casa De La Porte.

2RM, Havana, Cuba. 210m-1430kc. 10 watts. Rogelio Morales.

2RY, Havana, Cuba. 170m-1764kc. 5 watts. Salvador de la Torre.

2SZ, Havana, Cuba. 180m-1777kc. 10 watts. Homero Sanchez.

2TW, Havana, Cuba. 230m-1304kc. 20 watts. Roberto E. Ramirez.

2UF, Havana, Cuba. 282m-1060kc. 15 watts. Roberto E. Ramirez.

2XX, Havana, Cuba. 225m-1,333kc. 5 watts. Antonio A. Ginard.

5AZ, Mantanzas, Cuba. 200m-1500kc. 20 watts. Ernesto V. Figueroa.

5BY, Mantanzas, Cuba. 190m-1580kc. 10 watts. Leon Gonzalez Velez.

5EV, Colon, Cuba. 360m-833kc. 10 watts. Leopoldo V. Figueroa. Sun, 9-11 pm. Eastern.

6BY, Santa Clara, Cuba. 260m-1153kc. 200 watts. Jose Ganduxe.

6DW, Santa Clara, Cuba. 225m-1333kc. 10 watts. Eduardo Terry.

6EV, Santa Clara, Cuba. 250m-1200kc. 100 watts. Maria Josefa Alvares. Daily, 10:30 pm.

6GR, Santa Clara, Cuba. 250m-1200kc. 10 watts. Luis del Castillo.

6GT Santa Clara, Cuba. 190m-1580kc. 5 watts. Juan Pablo Ros.

6HS, Santa Clara, Cuba. 200m-1500kc. 10 watts. Santiago Ventura.

6JQ, Santa Clara, Cuba. 250m-1200kc. 10 watts. Eligio Cobelo Ramirez.

6KW, Tuinucu, Cuba. 338m-890kc. 4,000 watts. Frank H. Jones. Slogan, "If You Hear the Koo of the Cuckoo You Are in Tune with Tuinucu." Daily 11:30-12:15 am. Eastern.

6XJ, Tuinucu, Cuba. 275m-1090kc. 100 watts. Frank H. Jones.

6YR, Camaguey, Cuba. 200m-1500kc. 20 watts. Diege Jborra.

7AZ, Camaguey, Cuba. 225m-1333kc. 10 watts. Pedro Nogueras.

7BY, Camaguey, Cuba. 235m-1277kc. 20 watts. Eduardo V. Figueroa.

7CX, Camaguey, Cuba. 85m-3528kc. 10 watts. Leonard B. Fox.

7DW, Camaguey, Cuba. 90m-3333kc. 10 watts. M. L. Quintana.

7SR, Camaguey, Cuba. 300m-1000kc. 500 watts. Salvador C. Rionda. Slogan, "Cuba, the Land of Sunshine, Sugar and Tobacco." Mon, Tues, Thurs, 8:30 pm. Eastern.

8AZ, Santiago, Cuba. 240m-1250kc. 20 watts. Alfredo Brooks.

8BY, Santiago, Cuba. 250m-1200kc. 100 watts. Alberto Ravelo.

8FU, Santiago, Cuba. 225m-1333kc. 15 watts. Andres Vinent.

8IR, Santiago, Cuba. 190m-1580kc. 20 watts. Ceferino Ramos.

8JQ, Santiago, Cuba. 275m-1090kc. 20 watts. Jose Fernandez Heredia.

Mexico

CYA, Mexico City, Mex. 265m-1130kc. 500 watts. Mon, Fri, 6:45-8 pm. Sun, 4-6 pm. Partido Liberal Avanzado. Mexican.

CYB, Mexico City, Mex. 270m-1110kc. 500 watts. El Buen, Tono. Tues, Thurs, Sat, 7:30-9 pm, concert. Mexican.

CYF, Oaxaca, Oax., Mex. 260m-1153kc. Federico Zorrilla. "The Voice from South of Mexico." Tues, Thurs, 7-8 pm. Sun, 8:30-10 pm. Mexican.

CYG, Mexico City, Mex. 300m-1000kc. 1,000 watts. Secretara de Guerra y Marina.

CYH, Mexico City, Mex. 325m-923kc. 100 watts. High Life. Slogan, "Los Proveedores del Caballero Que Viste Bien." Announcer, Jorge Chulia Mallet. Fri, 8:30-10 pm. Mexican.

CYL, Mexico City, Mex. 480m-625kc. 500 watts. La Casa del Radio. Announcer, George Marron. Slogan, "The Land of Eternal Summer." Daily ex Sun, 1:30-2 pm, weather, financial reports, music. Tues, Fri, 8-9:30 pm. Sun, 8-9:30 pm, church. Mexican.

CYR, Mazatlan, Sin., Mex. Rosseter Y Cia.

CYS, Monterey, Mexico. 408m-6029kc. 250 watts. Tarnava & Cia. Slogan, "The Industrial Center of the Mexican Republic." Daily and Sun, 7:55-8:05 pm. Mon, 8-9:30 pm. Mountain.

CYX, Mexico City, Mex. 333m-900kc. 500 watts. Excelsior & Cia. Parker. Announcer, Rafael Hermandez dez Dominguez. Slogan, "Land of the Aztecs." Mon, 8-9:30 pm. Fri, 8:30-9:30 pm. Mexican.

CYZ, Mexico City, Mex. 400m-750kc. Liga Central Mexicana de Radio. Mexican.

CZA, Mexico City, Mex. 70-500-1,070 meters. Aviation Dept., War Ministry. Announcer, Ricardo S. Bravo. Daily, 12:30-1 pm, time, weather, news; 6:30-7:30, time, markets, music. Mexican.

CZE, Mexico City, Mex. 350 meters. 500 watts. Secretary Public Education. Daily ex Sun, 8 pm. Mexican.

CZF, Chihuahua City, Mexico. 310m-967kc. 250 meters. Announcer, C. A. Nieto. Slogan, "United by Radio." Tues, 8-9:30 pm. Mountain.

XDA, Mexico City, Mexico. Variable wave. 4,000 watts. Government station. Slogan, "Radio Chapultepec." Mexican.

Excerpts from Telegrams:

"Tested your RFL-60 within two blocks of local 500-watt broadcasting station, using twenty-five foot wire on floor for aerial. We picked up stations all over the country and when local station came in tuned it out and picked up WSAI at 319 meters. The local station is 270 meters. This is the only set ever tested under these conditions that would tune this station out at any point on dials."—Decatur, Ill.

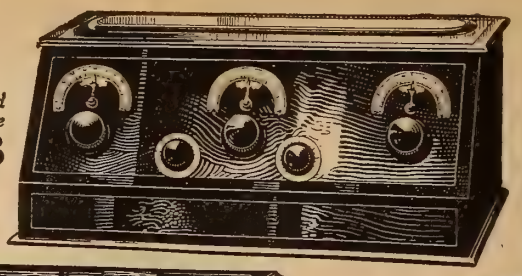
"We tested one of your new RFL-60 sets here in our building using an antenna about 75 feet long and directly under and parallel with our transmitting aerial. The exceptional selectivity of the Crosley receiver permitted us to tune out our station WTAX, just as easily as we would tune out a Chicago station."—Streator, Illinois.

"An RFL-60 tested in competition with other receivers of much higher price proved its unquestioned superiority. The new Crosley models offer the greatest values on the radio market." — Kansas City, Mo.

"The Model 4-29 is classed with the Trirdyn Model 5-38 bringing in Pacific points with ample volume, using a Musicone. RFL-60 and 75 are very selective. Have separated distant stations on less than one degree on the dial. Have logged Mexico City and Pacific Coast Stations with plenty of volume."—Miami, Fla.

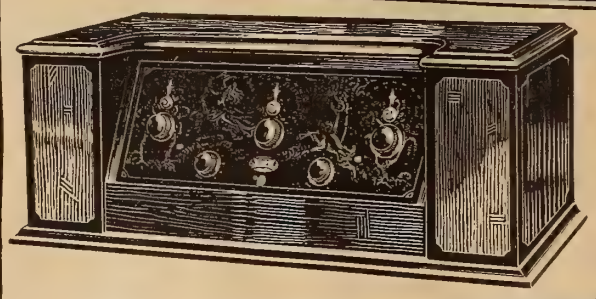
"The RFL sets outstripped much higher priced outfits. These sets bring in Canadian, Cuban and Mexican stations as easily as those on nearby states."—Glasgow, Ky.

What's the idea of keeping a fellow up all night foolin' around with that darned little 4-29?
I've been in the radio game for seven years and was beginning to believe that there wasn't a set in the world that would keep me up late but when that little 4-29 started to pull in Houston, Texas and with such extreme volume I sat up and took notice.
I got California station with unbelievable volume last night. KFI came in so loud that it could be heard over a block on a Musicone speaker. I've gotten over one hundred and twenty-five stations in only three nights. — Spring Valley, Ill.

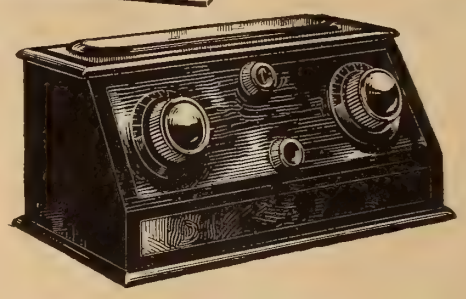


The Crosley 5-tube—5-38
All the volume, selectivity and purity of tone available in the best 5-tube set—plus the Crescendon . . $38

The Crosley 5-tube—RFL-60
A set of marvelous performance and beautified by the artistic decorative panel $60



The Crosley 5-tube—RFL-75
Simplicity and speed in tuning, fidelity of tone and decorative beauty, enhanced by the art panel $75



The Crosley 4-tube—4-29
in which the Crescendon is equal to one or more additional tubes of tuned radio frequency amplification . . $29

Prices slightly higher west of the Rockies

By Expressed Opinion of Fans The Greatest Radio Values Ever Offered!

Real performance! Amazing sensitivity and selectivity! Marvelous tonal qualities—inspiring volume. And surpassing beauty!

Read, in the column at the left, the enthusiastic comments of a few of the many radio fans who have *voluntarily* written or wired us their praise.

True radio values—at astonishingly low prices. Hear a Crosley Concert at your nearby Crosley dealer's.

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Powel Crosley, Jr., President

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Read Hugh Fullerton's "Big Rabbit"

Radio Digest

EVERY WEEK — 111 PROGRAMS Listed — TEN CENTS

Vol. XVII No. 3 Copyright Radio Digest Title Reg. U. S. Pat. Off. & Dom. of Canada APRIL 24, 1926

Story of KMOX, St Louis; Ninth Installment "A Step On the Stairs"; Women's Programs; How to Build Super-Torodyne; Gold Cup Award Progress; Interference Reducing Aids

No. 5 OFFICIAL BALLOT

Announcers' Contest

RADIO DIGEST THIRD ANNUAL GOLD CUP AWARD

GOLD CUP AWARD Editor, Radio Digest,
510 North Dearborn Street, Chicago, Ill.

Please credit this ballot to:

.....of Station.....
(Announcer's Name) (Call Letters)

Signed.....

Address.....

City..... State.....

1-21-26

The ballots, which appear weekly at the left top of this page, are numbered consecutively. They will appear every issue until the close of the contest. Each of these ballots will count for one vote when sent in separately.

But when held until you have four consecutively numbered ballots, and sent in at one time to Radio Digest, a bonus of eight votes, or a total of twelve votes, will be allowed the candidate for whom you are voting.

The larger the number of consecutive ballots submitted, the greater is the bonus allowed. Eight consecutive ballots receive a bonus of twenty votes, or a total of twenty-eight votes. Twelve consecutive ballots receive a bonus of thirty votes, or a total of forty-two votes. And for a complete series of ballots, including one from each issue from March 27 to and including the last, which will appear in the September 1 issue, a bonus of fifty votes will be allowed.

Send in nominations or ballots to the GOLD CUP AWARD EDITOR, Radio Digest, 510 North Dearborn street, Chicago.

COATS WITHDRAWS FROM CUP CONTEST

CANADIAN SATISFIED WITH 1925 SILVER TROPHY

One Hundred and Seventeen Announcers Nominated for Annual Radio Digest Gold Cup Award

Canada too joins the "single term" league for announcer's cup winners. D. R. P. Coats, who was presented with a beautiful silver loving cup last year in token of his being highest in the final standing among Canadian announcers in the Radio Digest Gold Cup Award, upon reading that George Hay and Graham McNamee would compete no longer in the awards, sent the following telegram to Radio Digest:

"Following the lead of McNamee and Hay, I withdraw from the Canadian cup contest. One cup is enough for anybody and my intention is to nominate and boost for Miss Lillian Shaw of CKY, Winnipeg, the finest little Radio announcer in the dominion."

Of course that does not bar Mr. Coats from being awarded the solid, 14-carat gold cup for first place among all nominees, and the Gold Cup Award Editor would not like to have this popular Canadian to prevent himself so from having the honor of being the man to bring the gold cup to Canada for the first time in the history of the award.

Standing Appears Next Issue

A record-breaking figure of thirty-nine nominations was made since last issue. At that time the total was seventy-eight. The total now rests at 117, two of which candidates have withdrawn from the gold cup race and one of whom has asked that the Canadian cup go elsewhere this year.

At this time the Gold Cup Award Editor wishes to make several corrections in the list which was published last issue. Director-announcer G. C. Arnoux, of KTHS, Hot Springs, Ark., was listed as of Station WGY, through a typographical error.

Also, Gene Rouse and Gus Swanson were both listed as of Station WOAW, whereas neither are now associated with the Woodmen of the World broadcaster and should have been listed as ex-WOAW.

Watch for the next issue of Radio Digest which will contain the present standing of the leaders! Many votes are being cast, and a large influx has been caused by readers sending in the first four consecutive ballots and getting the bonus of eight votes, or a total count of twelve for their favorite voice. The complete bonus plan is explained below.

New Names in Race

Following is the list of thirty-nine new candidates entered in the third annual Gold Cup Award since last issue:

Atlin, H. W.	ex-KDKA	Nelson, Jack	WJJD
Bebiert, Frank	KHQ	Old King Tut	WSB
Calmean, Miss Ormiah	KMA	Pete, Petroleum	KFDM
Chappell, Ernest E.	WFBL	Pierce, Jennings	KGO
Coats, D.R.P. (out)	CKY	Reeves, Lewis	WJZ
Combs, Robert H.	CKNC	Reilly, J. A.	WJAR
Corbett, V. W.	KFXF	Rodgers, F. G.	KDKA
Cummings, J. G.	WOAI	Ryan, Frank	WBZ
Ebrhart, Harry	WLIT	Sargent, Jean	WHT
Garland, Charlie	WBBM	Salisbury, Kenneth	WMAK
Grandlund, N. T.	WHN	Shaw, Lillian	CKY
Hager, Kolin D.	WGY	Steffan, Karl	WJAG
Hooper, Bert	CKCH	Stewart, Roy	WABC
Ives, D. H.	WHAS	Stenger, John H.	WBAX
Johnson, Walter	WTIC	Snyder, Reed	WOC
Kaufman, L. L.	KDKA	Vandersloot, John	WFI
Kyne, A. S.	KMMJ	Wellman, Charlie	KFWB
Lopez, Vincent	WEAF	Weyman, Jerry	WCAE
Milholland, Howard	KGO	Wright, G. A.	CNRV
Miller, Chester H.	WEAN		

If your favorite announcer's name is not in the list above or did not appear last issue, just send in his name as a candidate and get him into the running. Then SAVE your ballots for him. Don't miss a SINGLE ballot, for when these are turned in to Radio Digest in a group of CONSECUTIVE numbers, a pleasing and worth while bonus of extra votes is allowed the announcer for whom you are voting.

POLE IN ONTARIO CITY PICKS UP RADIO MUSIC

Reproduces KDKA and Stumps Puzzled Engineers

PORT ARTHUR, Ont.—A "Radio Pole" on Simpson street in Fort William from which, it is claimed, strains of music, and the announcement that it was emanating from Station KDKA at Pittsburgh, may be heard, presents a phenomenon that is puzzling electrical men at the Head-of-the-Lakes.

Persons assert that while standing at the foot of the pole they have heard the music and announcements clearly on different occasions. The pole is situated in the business section of the city. It carries a network of wires to and from a step-down transformer. What's the solution? Write your own ticket!

TERRELL HAS TOUGH DEBATE WITH MEAT

PROMISES WAVE TO STOCK RAISERS IF PRICE DROPS

Chief Radio Supervisor Counts and Finds Merely 500 Firms Waiting Chance to Broadcast

WASHINGTON, D. C.—Chief Radio Supervisor W. D. Terrell has a hard time of it attempting to explain to disappointed applicants why they cannot have a wave length or increase their power. Quite often he is told that his refusal means a hardship for some particular section of the country.

Recently an applicant from the Middle West wanted Mr. Terrell to grant a wave length for a high power station to disseminate market information to stock raisers. The licensing of the station would have resulted in increased interference. Mr. Terrell was told that with the new station the meat consumers of the country would benefit from a better distribution of cattle shipments.

Terrell Wants Cheaper Meat

"It doesn't make any difference how many wave lengths you get, we're going to have to pay the same price for meat," retorted Mr. Terrell. "If you'll prove that we can get good meat at a cheaper price if you have this new station, the people of this country will see that you get it."

In connection with the continued applications which are being received by the supervisor for new licenses for the erection of broadcasting stations, he announces that there are now 500 applications on file in the department. In addition to these applications the department also has almost 50 applications for the increase in power of existing stations.

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Radio Digest, Illustrated, Volume XVII, Number 3, published Chicago, Illinois, April 24, 1926. Published weekly by Radio Digest Publishing Co. (Incorporated), 510 N. Dearborn Street, Chicago, Illinois. Subscription rates yearly, Five Dollars; Foreign Postage One Dollar additional; single copies Ten Cents. Entered as second class matter at the post office at Chicago, Illinois, under the Act of March 3, 1879. Title Reg. U. S. Patent Office and Dominion of Canada. Copyright 1926 by Radio Digest Publishing Co. All rights reserved.

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Looking Ahead

A Tiger in a Rabbit's Skin—the most thrilling story Hugh Fullerton ever told and the name of it is BIG RABBIT. Opening chapters in this issue. A beautiful girl, love mad youth and a thrilling dash to the rescue. All exclusively told in Radio Digest. Miss Tonneson's note, next week.

You'll Be Surprised When You Get Next Week's Issue of Radio Digest and read the final episode of "A Step On the Stairs." We would like to give you a hint as to the real murderer, but that might make it too easy for the amateur sleuths who are sending in their solutions for the $500 prize money Radio Digest is to award for the best answers.

Pictures of Radio Digest Mystery Play Players from WOR, Newark; WNAC, Boston; WRC, Washington; WGY, Schenectady; WMAQ, Chicago; WOC, Davenport; WHO, Des Moines; WOAW, Omaha; KOA, Denver and KGO, Oakland; will appear in the next Radio Digest.

One of the Most Interesting Pioneers of Radio Broadcasting is K. M. Turner of Los Angeles, father of the hollow carbon granule used in all microphones and patriarch of Radio Station KMTR, a "high-brow station" of the Pacific. In our next issue.

All the Dough Used In an Up-and-Going Broadcasting Station isn't kneaded exclusively for the up-keep and that's when they have Mrs. Dickey mixing it for pies, cakes and other interesting delicacies at WLS, Chicago. Home listeners will be given a treat in Mrs. Dickey's story.

Underground and Horizontal Aerials is the subject of a new series by the Technical Editor which will start next issue and will contain many suggestions that will be of interest to the experimenter.

Spring Cleaning—How to Get the Most Out of Your Radio receiver during the summer will be told in a series starting soon. The articles will enable the average fan to fix the little mishaps and ills as they occur.

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Broadcaster Briefs

Listen for KFVN, the "Royal Penn" station at Fairmont, Minn,, during the last few nights of April or the first of May. Special tests, with prizes, will be conducted between 11 p. m. and 1 a. m. Central time. The wave length is 227 meters and the power, 50 watts.

* *

Breaking its customary morning silence, KFI is now on the air with three morning exercise classes, "Early and Energetic" at 7:00, "Pep" at 7:30 and the "Lazybones" at 8 o'clock. Following the Lazybones class is a cheer-up talk for convalescents and others who are unable to take any kind of physical exercise.

* *

WLS, Sears Roebuck Argricultural Foundation station of Chicago, celebrated its second birthday Saturday, April 10, with a special dinner party and dance at the Hotel Sherman. Friends and artists who have contributed to the upbuilding of WLS were present.

* *

Another Chicago station to have a recent birthday was WMBB, Trianon ballroom, whose first year end was marked April 15. Director J. B. Lampe kept the 250-meter wave band full of diversified program bits for six hours of continuous broadcasting.

* *

One of the most unusual gifts ever received at WHT, Chicago, recently arrived in the form of a popular song, "Pat and Al," written by Adalia Due of Racine, Wis. The song is dedicated to Pat Barnes, director of WHT, and Al Carney, station organist, whom she terms "the peerless pair." Musicians agree that the song has merit.

TWIN CITIES GIRL TOOK OPPORTUNITY

NO, THIS week's cover girl does not come from Hollywood. Surprised, aren't you? She is Twins—that is, she is a Twin Cities girl and may be heard regularly over the Gold Medal broadcasting station, WCCO, Minneapolis and St. Paul. Her name is Miss Jean Eatinger.

She started in playing piano accompaniments for the other artists. Then came one of those inevitable blanks in the program when someone simply had to sing. "Eventually, why not now?" quoted Mr. Bellows, looking quizzically at Miss Eatinger. So Jean let her fingers wander over the keys and leaned toward the microphone, just scared enough to let one of those catchy little trembles come into her voice.

Jean Eatinger is only 18, but she is a regular blues singer and pianist at WCCO now.

STATIONS ASK FOR MUSIC RELIEF

HOOVER SPEAKS BUT PERHAPS TOO MUCH

WJAZ CHIEF SAYS HERB IS UNFAIR, WRONG, ETC.

E. F. McDonald, Jr., Reads Law to Commerce Secretary and Cites Him for Chaos Responsibility

CHICAGO.—Contradiction of a recent press statement of Secretary of Commerce Hoover by E. F. McDonald, Jr., of this city, who calls Mr. Hoover's statement "absolutely incorrect," is the latest development of the United States versus Station WJAZ controversy which has been going on since the Zenith broadcaster took the law into its own hands and commandeered the wave length of 329.5 meters.

"My attention has been directed," said Commander McDonald, "to an Associated Press dispatch from Washington quoting the Honorable Herbert Hoover, secretary of Commerce, in which Mr. Hoover says 'the future of Radio broadcasting on the American continent depends upon the outcome of the government test suit against the Zenith Radio corporation, and that a decision against the government will make $600,000,000 worth of Radio receiving sets useless.'

Asserts Hoover Is Unfair

"The secretary of commerce had his opportunity," the well-known Radio manufacturer continued, "to present the facts and argue this case before Judge Wilkerson when the case was on trial, and I believe that this attempt to retry the case in the newspapers before the decision is rendered, is eminently unfair to the public.

"In addition, Mr. Hoover's apparent attempt as a representative of the executive department of the government to influence public opinion in a pending federal court case, is reprehensible and establishes an extremely dangerous precedent.

"This statement attributed to Mr. Hoover is absolutely incorrect, and Mr. Hoover, or at least his attorneys, know that it is not correct. The only effect of the decision in this case will be the determining of the right of the secretary of commerce to place restrictions as to wave lengths on a certain limited class of broadcasting stations.

Quotes Law for Hoover

"Regulation No. 15, of the Radio communication laws, as enacted by congress in 1912, reads as follows:

" 'Fifteenth. No private or commercial station not engaged in the transaction of bona fide commercial business by Radio communication or in experimentation in connection with the development and manufacture of Radio apparatus for commercial purposes shall use a transmitting wave length exceeding two hundred meters, or a transformer input exceeding one kilowatt, except by special authority of the secretary of commerce contained in the license of the station.'

"The only question raised in the test case here in Chicago," Mr. McDonald said, "is whether or not the secretary of commerce has the right to arbitrarily assign wave lengths and hours of operation to stations engaged in one of the two above described classes. The Zenith Radio corporation comes within the latter class. The great majority of stations are not in either class, and no broadcaster, other than those engaged in the two special classes described by congress can operate on a wave length in excess of 200 meters, without special authority from the department of commerce. No one has ever claimed otherwise, and the secretary's power in that respect is not being questioned in the Zenith case.

Lashes Secretary for Chaos

"I am surprised to read Mr. Hoover's statement to the effect that the present division of wave lengths is a voluntary one. This is directly opposite to the position taken by him, through his attorneys, at the hearing of the government case in Chicago. He then distinctly contended that he had absolute power to allocate wave lengths as to all broadcasting stations. The Zenith Radio corporation did not dispute his authority to do so, except in the case of broadcasting stations coming within the two limited classes above described by congress. The language of the Radio act of 1912, establishes these two classes definitely and is clear and unambiguous.

"Regardless of the decision in this case in Chicago, there will be no chaos as a result. If conditions do become more chaotic than they are at the present time, it will be because of Mr. Hoover's inequitable administration of the law. In conclusion I wish to say that the Zenith Radio corporation is opposed to vesting in any individual, the sole and arbitrary power to administer the rights of broadcasting stations. This authority should be vested in an impartial commission and I sincerely hope that legislation will be passed to accomplish this."

MORTICIANS HEGIRA TO DARKEST AFRICA

DENVER.—Dr. Henry Rimmer, evangelist, scientist and author, who recently defended fundamentalism in a stirring evolution debate over Station KOA here, will head an anti-evolution expedition into dark Africa next year. Twenty-five scientists and explorers will make the trip. Embalmed bodies of gorillas will be brought back for anatomical comparison with the human body.

IMPORTANT NOTICE TO OUR READERS

YOUR loyal support has made Radio Digest the leading Radio Magazine in the world, enjoying the largest circulation in its history. Over two hundred and twenty-five thousand copies of this issue were printed. Hitting this high mark it is only fitting that we acknowledge the debt of gratitude to you and the thousands of other readers who have made this possible.

Our consuming ambition has always been to give our readers the maximum service. At all times it has been our ideal to serve the Radio set owner in every possible way. We have tried to make Radio Digest invaluable to the broadcast listener—"The Eyes of the Radio Set." Our slogan is "Bigger and Better."

In comformity with this policy we announce, effective with (your next issue) May first issue, Radio Digest will be published twice each month, on the first and the fifteenth. The single copy price will be fifteen cents.

The size of the magazine will be increased to thirty-two big full pages. Advance programs will start with the date of issue and run until the date of the next issue. This will give a half month's advance illustrated programs in each number. Programs will be supplemented with the usual Digest features and news in addition to the very best fiction obtainable from noted American writers. In all, the new Radio Digest will be a big buy for fifteen cents, twice-a-month.

Heretofore you news stand readers have been paying $5.20 a year for the weekly Radio Digest. With the new plan you will pay only $3.60, making a saving to you of $1.60 a year for a better magazine.

Keep in mind that Radio Digest in the future will be out the first and the fifteenth of each month. You can buy it on the news stands the day preceding the date of issue, viz, the last day of the month preceding and the fourteenth.

To Those Who Receive Radio Digest by Mail:

To each one of our large family of mail subscribers we extend our hearty thanks. Your copy is mailed as each issue comes from the press and this regularity helps us very much in solving the many perplexing problems of the publishing business. To give you the very best, we are changing the frequency of issue.

Your next issue will be out May first and will be the first number of our new schedule. This issue will carry the advance Radio Programs from May first to fourteenth inclusive. No break in your programs, as each issue will carry the programs until the next issue. Your copies will be mailed for you to receive them at least one day before the programs begin.

All subscriptions will be extended. You will receive the same number of issues for which you have subscribed. All subscriptions now on file are based on fifty-two issues for one year and you will receive that number of issues on your annual subscription. The same ratio will apply if your present subscription is for a shorter period than a year. Accordingly your subscription will expire at a later date than that shown on the mailing stencil.

Effective May first, the regular subscription rate will be $3.00 a year.

E. C. RAYNER,
Publisher, Radio Digest

Mike Stars to Convene

NEW YORK.—The first national convention of Radio artists and celebrities, at which will be present men and women whose voices are known to millions of Americans, will be held September 13-18 in New York city, it was recently announced by G. Clayton Irwin, Jr., general manager of the Radio World's Fair, who is making arrangements for the gathering.

Radio Shortens Sickness

LONDON, England.—It has now been definitely established that in those hospitals which have been equipped with Radio receivers here, the average length of each patient's confinement has been reduced by nearly two days.

PETITION CONGRESS TO MAKE AMERICAN SOCIETY FIX FEES

Broadcasters Make Plea to Congressional Committee Holding Hearing on Dill-Vestal Copyright Law Amendment Bill—Troubles Aired

WASHINGTON, D. C.—Charges of monopoly against the American Society of Composers, Authors and Publishers were the order of the day when proponents of the Dill-Vestal Radio copyright bill appeared before the joint congressional committee on patents of which Senator Butler, of Massachusetts, is chairman. Following the appearance of those in favor of the bill, the hearings were adjourned to a later date at which time the opponents of the bill were to be heard.

Those appearing before the committee in favor of the bill included Paul B. Klugh, of the National Assocation of Broadcasters, and Judge H. Tuttle, counsel for the association; Powel Crosley, Jr., Radio manufacturer of Cincinnati; John Sheppard of Boston, Station WNAC; Elisha Hansen and William S. Hedges, for the American Newspaper Publishers association, and W. E. Harkness, assistant vice president of the American Telephone and Telegraph company in charge of Radio activities.

Bloom Apparently Pro-A. S. C. A. P.

The hearings were punctuated by remarks and interrogations by Representative Sol Bloom, of New York, at one time a music publisher, now a member of the house committee on patents, who was apparently an advocate of the American Society. Senator Butler had considerable difficulty during the course of the hearings in keeping Bloom from asking too many questions.

Mr. Klugh, on behalf of the broadcasters in his opening remarks told the committee that the bill represents at least one method of settling the copyright differences which have existed for several years between the broadcasters and the society. He said that his association is open minded and will accept any bill that is reasonably drawn to give at least some protection to the broadcasters of the country. He stressed the point that the broadcasters are perfectly willing to pay a reasonable amount for the use of music.

Varying Fees Are Shown

Mr. Harkness, on behalf of the telephone company pointed out the importance of Radio to the American public, an audience of approximately 25,000,000 people, and gave the following table for fees paid last year:

For stations of 500 watts, fees ran from $100 to $2,500 a year; with a cost of from 12c to $1.60 per hour.

For stations of 1,000 watts power, fees ran from $200 to $1,000 per year; with a cost of from 12c to 69c per hour.

For stations of 1,500 watts power, fees were from $500 to $3,000 per year; with a cost of from 33c to $1.92 per hour.

For stations of 5,000 watts power, fees were from $300 to $2,500 per year, with a cost of from 23c to $1.16 per hour.

The broadcasters of the country, Judge Tuttle told the committee, are willing and anxious to pay for the use of copyrighted music, but they want equality, stability and fairness.

Judge Tuttle Asks Fairness

He disclosed during his talk that the broadcasters and the society at one time recently nearly reached an agreement, whereby the society was to get $1,000,000 for three years out of Radio. The broadcasters, he said, were willing to pay this amount, but they wanted a three year contract while the society insisted on only a one year agreement. This would mean, he contended, that at the end of the one year the society would hold them up for more money.

Judge Tuttle took up in some detail, during the course of his argument, the outstanding features of the bill and particularly called attention to the fact that it offers practically a blank check to congress for it to fill in with what rates it considers reasonable. He told the committee that the broadcasters do not favor all of the sections of the bill as introduced, but they feel that the bill can very easily be made the basis of satisfactory legislation. In closing his remarks Judge Tuttle made a plea to the committee for some kind of relief from the intolerable music situation which exists at the present time.

BIG RABBIT

by Hugh Fullerton

THE FOLK TALES of the American negro vary in different sections of the country; because the slaves sold in those sections brought their tribal legends with them. Through all of the nine different tribes, however, one finds tales of animals and birds, snakes and alligators.

The negroes of southern Georgia and Florida are unlike those of other sections; a strange mixture of races. Many of these were Zulus; men of huge strength, giants among the blacks. Among them are the wildest, the strongest and most powerful, the ones who have borne the brunt of developing the pine and the turpentine of the swamp country.

Their traditions are more closely allied to those of the tribes from which they sprang than are those of the blacks who have lived in contact with the whites. The great zootheistic characters in their tales and traditions are the rabbit and the terrapin; animals their forefathers worshiped in Africa.

It is not strange that, among these blacks, oppressed ever since their forebears were captured like wild beasts and sold into slavery, there are those who claim to be chiefs. This king complex is found frequently among those blacks who have failed to keep pace with the general advance of the race in the United States. It is of these unknown peoples and their mysterious half-remembered gods that the background of this tale is formed.

CHAPTER I

Two News Hounds at Bay

DICK BORTON sat on a trunk, hugging his knees; his crown of black curly hair tousled; a cheerful, idiotic grin on his face. Borton has the most maddening grin of anyone in the world. And expressive—why, if he were deaf and dumb, he could talk in grins. The one thing I hate about Borton is that he always grins when a normally constituted man wants to swear and throw things.

"Cheer up, Wen," he said, chucking his chin with his kneecaps as he rocked back and forth and drummed on the side of the trunk with his heels. "We won't have to carry our trunks. The express company will hold them until we get there even if we have to walk."

"Get where?" I exploded, firing a shoe to the floor instead of at his grinning face as I was tempted to do. "Isn't it bad enough to be bilked out of a month's pay and left stranded a thousand miles or so from New York without having a laughing jackass of a partner pretending to think it is funny?"

"Is his 'ittle feelin's hurted? Is him mad at his 'ittle playmate?" Borton taunted as I slammed apparel around the room, kicked shoes across the bed and raged at our luck, more particularly at Borton.

"Oh, chase the glooms, Wen," he resumed in a more serious mood. "You know all the success folks say you must keep smiling no matter what happens and that adversity is the finest university in the world."

"Yes, and I wish they had to attend it," I snorted.

"IT ISN'T so bad," Borton laughed; "there always is a job for a good newspaper man on some paper. We might try Cincinnati, or Pittsburgh, or some fresh field. We don't have to go to New York. We are not cubs."

I laughed in spite of my aggravation. The situation certainly was trying on the temper. Dick Borton and I were not, as he had just remarked, cubs, but we had fallen into the position too frequently occupied by fledgling newspaper men. We were broke and out of jobs.

"No, we are not cubs," I retorted, my sense of humor coming to the rescue; "we are a fine pair of experienced journalists! We fell for a fake that would not have landed the easiest mark on Broadway. Dick, the next thing you and I know, we will be trying to guess which shell the little pea is under. I wish some of the gang could see us now!"

Dicky grinned more under my sarcasm. He and I had been chums for five years; in fact, ever since we had come to New York from widely separated parts of the country to "break in" and had met day after day while making the rounds of the newspaper offices. We had been among the few who had hung on, fighting for an opening in the face of the monotonous reiteration of, "Nothing doing," from a dozen city editors. We had come to know each other; and, when our funds ran low, we had doubled up in a hall bedroom, continuing the grim battle for a foothold. Borton, tall, handsome, always grinning, was first to land. He fed me for two months until I slipped into a minor job on the World. In half a year Borton was one of the fixtures, a star reporter, who could command position and a good salary anywhere. He had a marvelous knack of winning confidence and treating a story with that deft sympathy which reveals the master hand even in the coldest of newspaper recitals. His acquaintance was wide, and his popularity wider. My success was less brilliant but I had plodded along, rising steadily in salary until after five years of progress we had both become as near fixtures as newspaper men ever are.

THE craving for change had tempted us. Borton was a Southerner and we often had talked of venturing South; he, because of his love for the land of his birth; I, because I had never been there. We had received offers of large salaries, responsible positions and a chance for part ownership if we would join some ambitious politico-financial climbers who were striving to launch a new morning paper in Atlanta. The promoters, seeking experienced newspaper men, found Borton who maneuvered me into a position to get an offer. We had been in Atlanta a little over a month, working hard to make the new paper a success; and so busy, so interested, and so flush (for us) with money that since the first week we had not tried to draw any of the promised money. We knew, of course, that time was required to get the business end of a newspaper into smooth running order, and we paid little attention to the passing of salary days.

The preceding day I had heard of a disturbing rumor that the financier whose name was used as the backer of the enterprise had withdrawn his support. Borton and I had made a hasty effort to collect and had been put off until the following day. That day was the one on which Borton sat on the trunk and grinned. The promoter had disappeared. The sheriff was in charge. Borton and I were in Atlanta with less than twenty dollars cash, and the rent for our rooms was unpaid.

"Let's go to one of the other offices and get work until we raise enough cash to get back to the big pile of bricks," I suggested.

"See here, Wen, that isn't fair," grinned Borton. "There were four kids on the paper. We can get jobs, but if we do, they won't, and they need them worse than we do."

"Let's wire some of the fellows."

"And put the whole gang wise? Never."

"Well," I said sulkily, "what do you propose to do?"

"Escape from here the first thing," he laughed. "My native land has lost its charm."

"But how?"

"Something will turn up. It always does."

His careless prediction was fulfilled almost before the words were uttered. There was a knock on the door.

"Come in," called Borton cheerily. A young man entered, bowed rather stiffly and inquired:

"Which of you gentlemen is Mr. Wendell Phillips Lindsay?"

"I am," I replied as Borton grinned devilishly at the use of the name which my parents had chosen when they fondly believed I would become a great minister.

"If you are at liberty," the young man continued quietly, "Mr. Philip Kincaid desires to see you. I have his car below to take you to him at once if you are not engaged."

"Who the deuce is Mr. Philip Kincaid?" I inquired, rather rudely but from natural curiosity.

"Mr. Kincaid," the young man responded, his identity a bit ruffled by my ignorance, "is president of the Ninth Trust company, and one of the wealthiest and most influential men in the city."

"He's the fellow we played up as the Morgan of Georgia, Wen," prompted Borton, whose memory for names and newspaper features was better than mine.

"WELL," I laughed, "I didn't write it, so he can't blame me."

"Better trot along," urged Borton, "he may want to give you a railroad or two. You might hint to him," he added mischievously, "that, while not financially embarrassed, we might use a little additional capital in our business."

"I'm with you, Mr.—" I hesitated.

"I'm Mr. Kincaid's secretary, Hargreave," the young man prompted.

A few minutes later we were whirling down Peachtree street toward the business section in the banker's automobile.

"What does he want?" I inquired as we slowed down at a crossing.

"I cannot say. He told me to find you, and, asking your pardon, it was a task. I had begun to fear you had already left the city."

Arriving at the bank entrance, I was escorted through the big marble-lined banking room into the mahogany-furnished office, detained there a few moments, then ushered into the private office of the president, reflecting as I entered that I had never before in all my newspaper experience made such good time in reaching a bank official. A small man, wearing handsome but much wrinkled black clothes sat at the big flat-topped desk. He looked up as I entered.

"Lindsay?" he inquired with rising inflection.

"Mr. Lindsay," I corrected stiffly.

"Humph! Sit down."

He finished signing some papers, shoved his chair back and, sliding low in it, held the tips of his fingers together, and asked:

"Newspaper man?"

"Yes."

"Out of work?"

"Yes."

"Want a job?"

"Yes."

"You the man who climbed seven stories up a fire escape, broke a window, and beat the police to the scene of that Stanage murder in New York?"

"Yes," I replied, astonished. "That was years ago, when I was a cub. How did you know?"

"Been looking you up for three days," He jerked out. "Able to keep your mouth shut?"

"'Never betray a confidence' is the first law of the newspaper man."

"Get where?" I exploded, firing a shoe on the floor instead of at his grinning face as I was tempted to do.

"Don't like newspaper men," he snapped.

"I don't like bankers either," I shot back at him.

"Neither of us much to blame," he chuckled, not in the least offended. For the first time I began to warm toward him. He sat silent, drumming on his blotter pad with a pencil, evidently thinking quickly.

"LINDSAY," he said finally with a quick gesture of a man accustomed to deciding weighty matters, "I'm going to hire you. The matter is important. I've had you looked up. You seem all right. The main thing is to keep your mouth shut. It's a case I don't dare trust to a detective agency. There might be a leak and we can't afford that. I don't like reporters but, damme, I respect them. I'm going to trust you entirely in this matter."

He lapsed into silence and appeared to be thinking of the best way to begin

"You'll need help," he went on after a moment's thought. "Pick your own man, one you can trust. Don't spare any expense. Send to me for all the money you need and account for it afterwards; but remember one thing, don't come near me or let anyone know you are employed by me. If you do, I'll deny knowing you."

"I can settle the matter of help now," I responded, ignoring his insinuation. "Dick Borton, my chum, is with me. We are both out of work due to the suspension of our paper, and were getting ready to leave for New York when your messenger came. Barton's the man."

"Can you trust him?"

"Better than I can myself. You may depend on him. He's the best reporter in New York . . ."

"Can he keep his mouth shut?" he snapped, cutting short my praise of my chum.

"Yes."

"Get him," he ordered tersely. Then, after a moment of silence, he continued, "Lindsay, this is a big job. It may mean the fate of a couple of railroads and some small corporations. It may mean a heavy blow to this bank. I don't mind those things; but it means the fortune of a girl who is to me as a daughter. You appreciate the importance of the work I am trusting to you."

"I APPRECIATE it. I will do my best, and I promise the same for Borton," I answered, greatly impressed by the sudden flash of human feeling on the part of that flinty, hard appearing little man.

"Then," he said, "it is agreed."

"What is the work, sir?"

For an instant Mr. Kincaid made no response to my inquiry. He sat drumming with his pencil and looking toward the window absorbed in deep thought. Suddenly he turned to me and replied:

"I want you to find Major Lucien Gaskill."

CHAPTER II

Major Gaskill's Gout

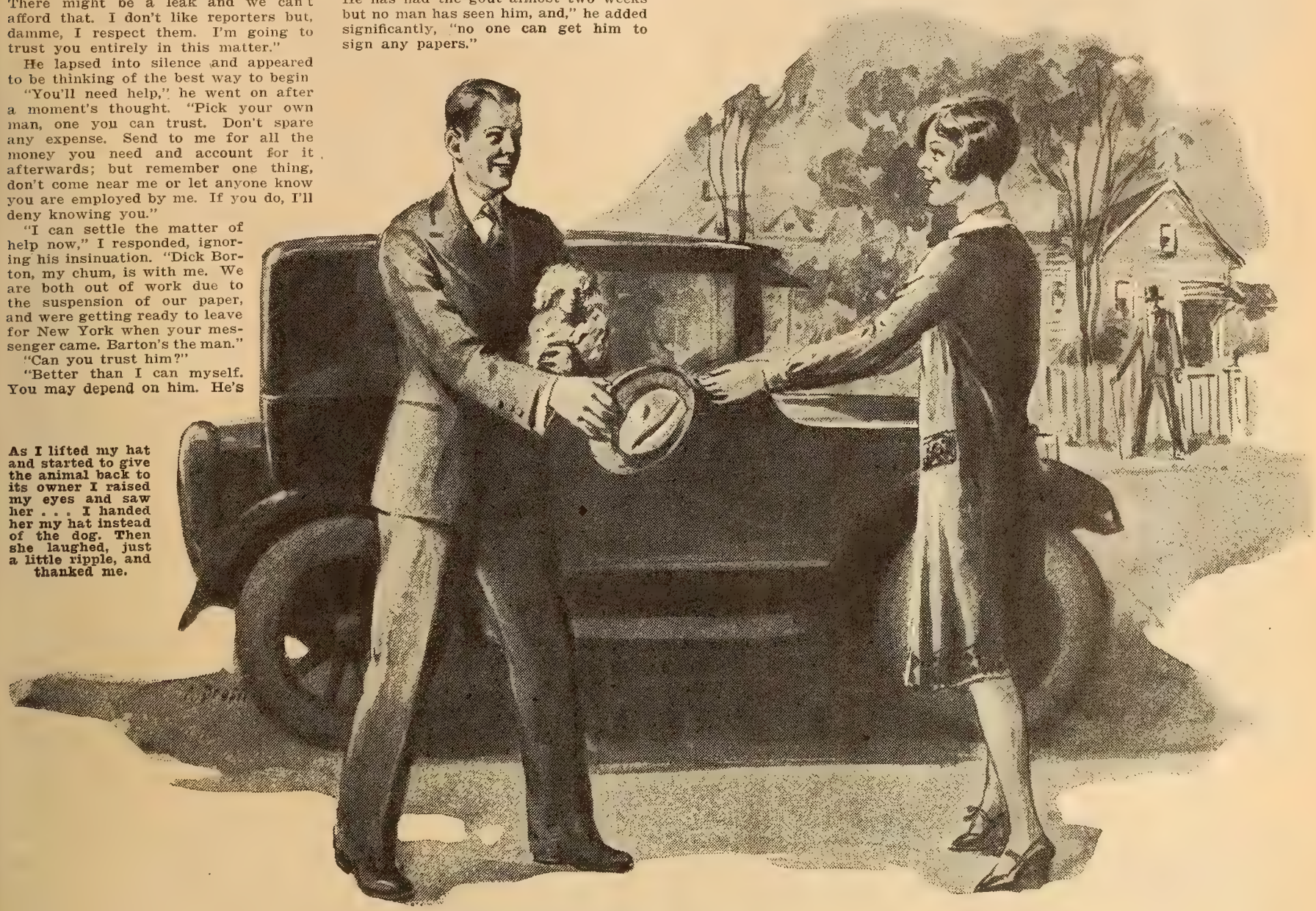
I LAUGHED.

"Why don't you call him by phone yourself?" I asked.

Mr. Kincaid frowned, but did not appear surprised at my behavior. The idea of being employed and of hiring one of the cleverest newspaper men in the country to assist me in finding a man known almost to everyone in Atlanta, whose tall figure and bristling white mustache made him one of the easiest of men to recognize, who was a power in politics and a figure in finance, whose war record was a tradition, and whose mansion was a landmark, amused and rather vexed me. The serious frown on the face of the little banker and the incessant tapping of his pencil sobered me.

"Do you mean," I stammered, apologetically, "do you mean to say that Major Gaskill has disappeared?"

"Lindsay," responded the banker, leaning forward and lowering his voice, "I said this was serious. If you call up Major Gaskill's home, or go there, you will be informed that he is confined to his room by an attack of gout. He has had the gout almost two weeks but no man has seen him, and," he added significantly, "no one can get him to sign any papers."



As I lifted my hat and started to give the animal back to its owner I raised my eyes and saw her . . . I handed her my hat instead of the dog. Then she laughed, just a little ripple, and thanked me.

"He is hiding in his own home?" I suggested.

"He isn't there at all; hasn't been there," snapped Mr. Kincaid, plainly irritated. "There is a mystery back of this and I want it solved. There are papers waiting to be signed. There are stocks and bonds to be turned over to secure margins. If they are not signed and delivered, fortunes will be swept away. If Gaskill recovers from his gout, all is well; if not—" A gesture, eloquent with despair, completed the sentence. It was plain the banker was both worried and alarmed.

"This is not the first time. It is the fourth time the same thing has happened. Each time Gaskill has disappeared he has been in deep financial difficulties. To my knowledge he has been plunging in stocks for six years, perhaps more. He is not the rich man he is supposed to be, and back of all this mystery is the source of his income. Four years ago he became involved deeply. I felt it my duty to protect companies in which we were interested. I called on him to straighten out the accounts. The amount involved was something over $50,000. He was indignant, declared he would settle immediately. The next day he disappeared; attack of gout. Three weeks later he stamped into this room, settled all accounts, and redeemed the stocks we had taken as security."

The little man frowned worriedly, and tapped nervously on the blotter.

"I WILL not try to conceal the fact that I'm partly to blame," he continued after some time. "The man had great influence over me. He's magnetic. I was not warned by experience. I was so relieved to escape the first time that I permitted him to involve the companies deeper than ever. I was criminally negligent in allowing him to use the funds of his ward, Miss Roberta Lee Tonneson. He and I are the trustees. He was in deep before I knew it and I protected the estate with my own money.

"Two years ago he smashed again. The amount was nearly $100,000. He plunged and it was gone before I woke up. I called on him to settle. He had another attack of gout; nearly a month that time. Then he came in and settled. I decided to watch him. He wasn't gambling so far as I could discover. A year ago he plunged again, deeper than either of the other times. He owed the bank and the estate over $100,000 this time. He got it so quickly I couldn't stop him. I protected his margins, escaping with as light a loss as possible. I pushed him to explain and settle. Another attack of gout; three weeks. Then he paid again in full.

"You'd think I would have been warned. I'm not a careless man but Major Gaskill had me hypnotized. I thought he'd reformed. About a month ago he dived again. I had no hint of it until he had involved the companies and the Tonneson estate almost a quarter of a million. Market turned against him Wiped out in two days on some of the stocks. I'm margining a lot of others to save what I can. I sent for Gaskill. He promised restitution at once. Another attack of gout. That was two weeks ago yesterday. I can't find a trace of him. The matter is pressing. I am carrying a lot of his crazy speculations trying to protect his ward. If he could be found to sign releases and close out, the loss would be covered by $60,000. I'd pay it to get out. He has pledged bonds of the Tonneson estate and I have to hang on to recover them. If he isn't found—" Again the half-despairing, eloquent gesture completed the sentence.

"You understand what it means to me?" he demanded sharply after a short silence; "I'll tell you. I never speculate, either with my own or the bank's funds; but I've done things to protect the Tonneson estate that I would never do to save myself."

He leaned forward over the table and almost glared at me as he said:

"If the crash comes, Lindsay, I'll be the thief and Gaskill the martyr. His reputation and standing are unassailable. He is the most popular man in Atlanta. No one loves a banker. You see how it stands. Are you ready to try it?"

THERE was an almost pathetic appeal in his last words and the feeling of aversion which at first I had felt passed away as I caught a glimpse of the human soul of the banker hidden under the veneer of hardness that constant association with money had laid upon him. I rose and extended my hand.

"I'm with you. You may count on me and my partner, Borton, to do our best."

"Thank you," he said, again dropping the mask of hardness. "You newspaper fellows are odd, quixotic. I trust you even if I don't like you."

"Possibly you can give some facts that will help me to start," I suggested. "Has Major Gaskill any private source of income which he could realize upon quickly?"

"None," the little banker replied thoughtfully. "There are three sawmills in the South belonging to the Tonneson estate. There are shares of the Timber Belt railroad. Stock never paid. He put that up as collateral. He owns the old Gaskill place in Lowndes county, Alabama. Run down and leased to colored tenants. He hasn't sold the Tonneson mills and timber lands. He hasn't sold the Gaskill plantation. He couldn't realize ten thousand on the rest. He spends about $15,000 a year on his living. His income, as far as I can learn, is less than $2,000. He draws about $4,000 a year, charged to Miss Tonneson's living and dress expenses."

"Where then can he raise fifty to a hundred thousand dollars in a few weeks?"

MR. KINCAID frowned and appeared worried. "Lindsay," he answered, "I've puzzled over it for weeks. Thought he was borrowing; he hasn't even tried it. Credit is good. Never has asked favors of his friends. Unless he has a gold mine hidden or is robbing trains I don't see where he has any source. The last time he settled I traced the money. Didn't press it hard. Afraid to rouse curiosity and suspicion. He deposited in four New York banks. Four different brokers made the deposits for him. He checked against them. The money deposited in New York was in checks paid to Gaskill by A. King, chiefly. Half a dozen other

(Continued on page 16)

Hark! The Voice of St. Louis!

RADIO Station KMOX Called One of Five Leading Broadcasters of America. Represents Sixteen Large Business Houses and Speaks for Wide Area Known as "Forty-ninth State."

By HAROLD P. BROWN

IN MAKING a trip through Missouri not long ago I called on Mr. Joseph McAuliff, managing editor of the Globe-Democrat and he pointed out to me the wonderful future of this "Forty-ninth State," served by the Voice of St. Louis. Uncle Sam has, within the past few years, completed many miles of levees that have reclaimed hundreds of thousands of acres from the Mississippi overflow. I stopped at Cape Girardeau and Carruthersville, and saw prodigious crops from cotton and peanuts to corn and potatoes, all producing great wealth that finds its way to the metropolis.

Some of these are the thoughts that come to mind when the DX listener tunes in KMOX, the Voice of St. Louis.

The station still is young although it is rather an old story now how Tom Convey, the managing director, brought it into being. He had a conviction that there should be a truly representative Radio broadcasting station with the sinews and blood of the thriving city in its composite. To speak with the Voice of St. Louis it must have the authority of those who do speak with the voice of St. Louis. He went about visiting the large business concerns and hammered this truth home to the big manufacturers and bankers.

He convinced them that he was right and welded sixteen of these firms into a unit to finance the institution in a way that they would not be ashamed to hear its voice on the air, speaking as the voice of the city. The enthusiasm, once the ball started rolling, was unbounded. It was hoped to have the station on the air in time to say "Merry Christmas," this last season.

Then came the old brick, that pernicious stumbling block over which many a hopeful young Radio station has stubbed its baby toe. There was no wave length. But Tom Convey had put in too many heart-breaking hours surmounting other difficulties to be overwhelmed at this obstacle. He found a powerful ally in Collin B. Kennedy, head of the Collin B. Kennedy Radio corporation of St. Louis. Together they journeyed down to Washington and stormed the ramparts of the secretary of commerce. Just what was said or done I do not know, only this, that they came marching home again victorious with a sure 'nuff wave length buckled up in their luggage and St. Louis got its voice.

The intended Christmas present to the people of St. Louis of a voice on the air was a trifle belated but none the less welcome when it did sing forth with a clarion call from the studio on the Hotel Mayfair.

(*Continued on page 21*)

Rosita Forbes (above) relating some of her experiences through the KMOX microphone. She is an explorer and African lion hunter. Mrs. Frank Howard (right) mezzo-soprano, and Mrs. Mildred L. Kincaid (in circle), contralto. Both are regular entertainers who help vocalize St. Louis.

AS THE uses of Radio grow and expand, our interests grow and expand with them. We no longer are satisfied with the passing song and the chatter of the hour. There is a powerful fascination in bringing in the distant stations. They stir our thoughts. We like to imagine ourselves in the places where the voices originate. We dream of the city and wonder about it and the environment of the peoples who live there.

This is a healthy couriosity. We are learning something. Our ears are open to the voices of these citizens. We enjoy the pride they feel in their communities and of the fine things their cities have done. It seems like unrealities becoming real. We always knew they were there, even if we had not traveled, and now we are almost like being there ourselves, right in the presence of the people who are broadcasting in the studio—and it isn't so far away after all.

Many people who never have seen the Mississippi river have heard the Voice of St. Louis, which is the Radio Station KMOX. To the people of the South it is a voice from the North, and from the North it is the voice of the South. This is equally true from the East and the West. But especially is it the voice of that vast area described by the St. Louis Globe-Democrat as the "Forty-ninth State." The Globe-Democrat is affiliated with the KMOX station. The territory defined as the "Forty-ninth State" is embraced in a circular boundary drawn at a radius of about 150 miles from St. Louis.

Below are the famous Kimmel Kiddies who represent the children's Voice of St. Louis. The youngest is four and the oldest fifteen. They all sing collectively and individually. Some of them play musical instruments.

a STEP ON the STAIRS

By ROBERT J. CASEY

Radio Dramatization by FRED SMITH

Illustrations by HILMER C. OLSON

"Yes," returned Peleg Turner slowly. "I know that. But she did not commit that murder. I did it myself!"

CHAPTER SEVENTEEN

The Man in the Gray Coat

OPERATIVE Mitchell seemed little the worse for a two-hour incarceration in the cupboard. He was weakened a ltle and perspiring generously. But as he got up, shaky-kneed, from the floor and supported himself against the end of the table, his eyes appraised his surroundings with professional thoroughness.

"How did you get in there?" inquired Everett when the man had loosened his collar and slipped out of his heavy overcoat.

"Had to hide, Mr. Everett," Mitchell replied. "I ran into a storm on Pelican bay and so I didn't get over here as soon as I had expected. I got in through the front door—Carton told me how the trick latch worked—and I thought I'd have a clear field for investigation before they moved the party into this room. But they came in on me unexpectedly and I dived into the cupboard. The next thing I knew the door was locked and I was in a box. I didn't have room even to get out of my overcoat. All I could do was lift my feet up and down and tap out SOS."

"Did you hear all that went on in this room tonight?"

"I heard plenty of shrieking and screaming and cursing, if that's what you mean. Once I heard a pistol shot. But for a ring-side seat, my place at the party wasn't very good. I couldn't catch the plot of the piece at all. After I'd been sweated there for an hour or so I kind of lost interest anyway. If I hadn't been locked in I'd have quit the spirit tapping business and tried to kick out the panel. As it was I didn't know what might happen to me so I concluded I'd better stick tight for the finish."

During all his recital Mary Williams flushed a little and cast down her eyes. Attention taken from her as the detective was speaking came back to her suddenly as he finished.

"And you locked him in, young woman," Everett commented. "And just why did you do that?"

"I suppose it was impulse," the girl answered readily. "Just before dinner time I was standing near the cupboard and I saw the door open just a crack and close again. I caught just a fleeting glimpse of a gray overcoat and I remembered what Henry Millis, the caretaker, had said to Hari Singh about the man in the gray coat who came from the sea. It seemed to me that any man who had reason for hiding in a cupboard in this house had reason to stay there. So I slipped up and turned the key."

"YOU realize, of course, that you have wittingly or unwittingly obstructed a federal officer in the discharge of his duty?"

"I can't see that I have. If his duty was to hide himself in a cupboard I have helped him by insuring that he stayed right on the job."

"This is nothing to joke about, Miss Williams. You may have had the best of reasons for locking the cupboard door. But the circumstances are certainly suspicious. If you thought that this man had no right to be in this room why did you not tell Mr. Ardwyn of what you had done?"

"Some woman was working with these scoundrels all night," declared Aunt Helen Holmes with the air of a star witness. "If you should happen to ask me, all that row about her keepin' Henry Graves from gettin' out of this room has the look of a fallin' out among birds of a feather."

"You may have a chance to give your evidence a little later," stated Everett, with cold politeness. "I have asked Miss Williams a question."

"Well," said Mary Williams, "I'll tell you the truth. I didn't trust anybody in this house and that included Frederick Ardwyn. I thought his seance was going to be an elaborate hippodrome to cover up something. And so at first I decided to play my own hand alone. Later when I began to have some confidence in Mr. Ardwyn he had lost confidence in me . . . and so. . . Well, I just played the hand out."

"Well, lady," observed Mitchell, "another half hour and I'd have played my hand out, too. Next time you get set on childish pranks, lock me in a telephone booth where it's roomy and pleasant. . . But tell me, where do you fit in this picture, anyway?"

"I am Mary Williams, distantly related to the Turners, and a guest in this house."

"It seems to me I've heard your voice oftener here tonight than anybody else's." Mitchell's air of levity had dropped from him and he was manifestly suspicious. "I agree with Mrs. Holmes that some woman was active—too active—in this room whenever these crooks started to work. I heard Ardwyn swear that a woman chewed his wrist just about the time somebody got away with the evidence that somebody else had just brought back from the broadcasting station where the fight occurred.

"There were two other women in the room at the time—even admitting for the sake of argument that Mr. Ardwyn might not have made a mistake in the dark.

"IT'S been my hunch since I got into this case that there would be a skirt in it somewhere. . . Generally is in hop cases. . . And I'll say without trying to get any prizes for telling what's wrong with this picture that for a distant relative and guest in a home you sure took a lot on yourself tonight."

"What do you mean?"

"Well, of course, as I say, I was cooped up in the cupboard and I couldn't see much. But I could hear a lot and it occurs to me that when anything was going on you were always looking for the double barreled alibi."

"Just what I said from the very first," broke in Aunt Helen Holmes approvingly. "My husband, dead and gone these twenty years, always said that explanations was the weakness of the guilty."

"I have called your attention to the fact that there were two other women in this room," Mary Williams reminded the detective without paying any attention to the innuendo of Aunt Helen. "We may exclude Aunt Helen, who is the picture of righteousness. But before I am turned over to the inquisition I should like to suggest that you give a thought to the third lady—Miss Stanton. How she obtained an invitation to this seance I do not know. But I do know that she has no right to be here as a member of the family. I have seen her in Portsmouth. I have followed her here under suspicious circumstances, and I should think her story might be interesting."

Everett grinned.

"Miss Stanton," he said, "You have heard Miss Williams' accusation — or should I say implication? What have you to say about it?"

"I can say nothing that you do not know already, Mr. Everett," the red-haired girl replied. "But Miss Williams makes it plain that there are some things which should be said just to clear up the situation and save her from useless worry. Miss Williams, I shall admit that I am not a relative of the Turners—and I have every reason to thank heaven for it. I shall admit that I came here tonight under false pretenses, and further that I gained experiences that I had not bargained for.

"I am Hazel Stanton of the federal department of justice and I demand the arrest of Miss Mary Williams for the murder of Jeremiah Turner!"

CHAPTER EIGHTEEN

Back from the Grave

FOR a time there was silence. Mary Williams' face went white and she passed a drooping hand across her eyes. It seemed that she was going to faint and Ardwyn, Capt. Cass and Tolliver rushed forward to support her. But her weakness was only momentary. As if with great effort of will, she controlled herself and faced her accuser.

"I wish I had known of this before," she said. "But of course I had no hint—no warning."

"You flatter me, Miss Williams," Hazel Stanton told her. "I had not hoped that any little work would survive your critical eye."

"You have been charming at it, Miss Stanton," Mary Williams answered. "In every detail of poise, intelligence, and social comportment—the perfect policeman."

If Hazel Stanton caught a hint of irony in the compliment she gave no sign.

"Of course it didn't take so much intelligence to follow you through this," she said. "You are a pretty shrewd girl but you lack technique. . . And now, most probably, you'll never get a chance to acquire one. . . You left a wide trail."

"It grieves me to hear you say so."

"Oh don't be downhearted. Even the best of them slip up occasionally and I must say that your plan to put a smoke screen around me had the real professional touch. The only trouble with it, dearie, was that you should have tried to pin the crime on a detective. To get over your accusation against me you had to admit that you were in this neighborhood on the night of the murder. And that clinched the case."

"You are wonderful," breathed Mary Williams. "Thank heaven for trial by jury."

"And so it's all over and we can go home now," murmured Aunt Helen Holmes. "My poor dear husband, dead and gone these twenty years, always used to say that murder would out. He said it just that way. He said: 'Mark what I tell you, Nellie, murder will out.' And I for one am certainly glad that all these mysteries and shocks are over. . ."

She interrupted her dissertation with a sudden shriek and fell back all atremble into the arms of Tolliver.

"WHAT'S the row?" demanded Everett a bit unnerved.

"The dead man," screamed Aunt Helen. "Peleg Turner. . . Look at him. . . He's opening his eyes."

"She's right," declared Captain Cass. "The corpse's eyes are opening."

"Well I'll be doggoned," commented Tolliver.

"His hand moved," reported Everett, who had leaned over the crumpled body. . . . "And his heart is beating. . . He's not dead at all."

A hollow, spine-chilling groan came from the blue lips of Peleg Turner and then slowly the "dead" man sat up.

"You're not dead?" inquired Aunt Helen as if Peleg's disregard for the great convention of death was something that might never be forgiven. "You're not really dead?"

"No, Helen," replied Peleg, with another groan. "I'm not dead, although I feel as if I had been pretty close to it."

Everett assisted him to a chair.

"You understand, Mr. Turner, that these strangers here are federal officers," he said. "I think it is obvious that there should be some explanation of all this."

"I shall be glad to explain, sir," returned old Peleg with dignity. "It was to find some explanation that I played dead. It was for the same reason that I took a chance and came back to the house tonight."

"You didn't bring your brother Jeremiah with you, did you?" asked Everett.

"Jeremiah Turner is dead," said the old sea captain quietly. "I doubt the good taste in joking about it."

"Every man to his own idea," countered Everett. "Others of us might criticize the taste shown in a hoax that put twelve men and women in a night of terror and caused officers of the law to risk their lives on sea and on land."

"I SHALL apologize for the hoax while explaining it. As for the fright my guests have received in my house, most of it was unforeseen. Before I went away I wrote and mailed to Frederick Ardwyn the memorandum which he read

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TIME MAY BE SAVED IF WORK IS PLANNED

MANY WOMEN ARE TIED TO THEIR WORK TOO MUCH

Betty Crocker Gives Secrets of Making Housework a Pleasure—Organization Means Success

Have you heard, and do you regularly listen for Betty Crocker's Radio talks? Miss Crocker is nationally known as a home food specialist who is broadcasting from a dozen of the country's largest stations. By special arrangement Radio Digest has secured a series of exclusive articles by Miss Crocker dealing with her current Radio talks. These broadcasts are made through WEEI, WEAF, WCAE, WGR, WEAR, WWJ, WDAF, WJAR, WHT, WFI, KSD, KFI, and WCCO, the Gold Medal station at Minneapolis-St. Paul. All of Miss Crocker's recipes and discussions are based upon actual investigations and work of herself and her assistants in model kitchens.—Editor's Note.

By Betty Crocker

HOW often we hear a woman say, "I should like to serve on that committee, or take that course in child study, or read certain books, but I simply can't." Many women seem to find themselves tied down to the details of housekeeping to such an extent that they cannot find time for other interests.

It is unnecessary for me to dwell upon the disadvantages of keeping house all day, every day. The woman who is merely a housekeeper and not a homemaker in the biggest sense of the word is not doing her duty to her family.

Three meals a day and the everlasting dishes occupy entirely too large a proportion of the day in some homes. Perhaps I can give you a few suggestions for shortening that time.

Have you ever studied the arrangement of your kitchen to discover whether or not the stove, table, cupboard, and sink are in the best possible location? A pretty white kitchen with all the utensils carefully put away out of sight is indeed a nice looking room, but it is not my idea of a workshop.

Why not have the utensile you use most often within reach?

Brushes, knives, spoons, egg beaters, etc., should hang so close to your table or cabinet that you can reach them without taking an extra step. If you must walk across the room and open a drawer every time you want a knife or cup or spoon, no wonder it takes all day to prepare the meals.

Very often it is possible to save time by cooking enough of a certain food for two meals at once. However, this is not a good method unless you have the meals planned in advance. If all the meals for a week are planned together you can save both time and money and also have more variety in your diet. For example, it is easy to cook carrots for two meals if you know that you can use the left overs tomorrow or the day after.

In fact, I often cook an extra amount of several vegetables, and then at the end of two or three days have a vegetable dinner of the left overs. Naturally, the amount cooked in advance varies with the time of the year. In hot weather, such a plan would not be possible.

Preparing Stock Foods Ahead

I like to make salad dressing, grind bread crumbs, and do all such odd jobs on one particular morning during the week, usually on baking day. If these things are ready it saves many minutes during the preparation of a meal.

(Continued on page 17)

WOMAN ANNOUNCES FEATURES AT WTIC

Miss Beatrice Bangs, above, has introduced the various women's features of the Monday and Friday programs at Station WTIC, Hartford, Conn.

WGN Offers Women Advice On Making Homes Beautiful

CHICAGO.—For a period of nearly two years; women listeners of WGN have come to Walter Murray for his advice on interior decoration and home furnishing. Mr. Murray, who is the decorative adviser to a well-known Chicago furniture house, has furnished information to thousands of listeners who come to him for advice in planning the interior of their home. He is heard each Wednesday and Friday morning, between 11 and 11:30 a. m., during WGN's Home Management period.

Cooking Recipes Broadcast Every Thursday Afternoon

CINCINNATI.—Mrs. Judith Anderson, popular culinary expert, broadcasts cooking recipes every Wednesday afternoon at three-thirty, through the Crosley WLW station. This feature is through the courtesy of the B. H. Kroger Grocery & Baking company.

SHORT WAVES

By Marcella

Helen and Margaret of St. Louis want to know what records Correll and Gosden, the "Radio Maniacs" of WLIB and WGN, have made, if any. Yes, they have just recently been recorded by Victor. The release is just out. On one side is, "Let's Talk About My Sweetie," and on the other, "All I Want Is You." As you have asked, Helen and Margaret, I have "did" my "darndest." You're welcome.

* *

My, my, how people will ask about this "Sam 'n' Henry" team, also from the aforementioned stations. "Are they honest-to-goodness negroes?" "Do you know them?" "Have you ever seen them?" "Who are they?" Replying to the curious, I will answer the questions in the order given: (1) Maybe yes, maybe no; (2) Yes, personally; (3) Yes sir and ma'am; (4) Who wants to know? And besides I have promised Quin Ryan not to tell a soul. Like the solution of "A Step On the Stairs," it must remain a mystery for the present. But here's a tip—both wear neckies and shoes.

* *

Mrs. E. A., you have probably read about the "Sunflower Girl" of WBAP in the April 10 issue of this publication. If not, you certainly want to do so. For the time being she is on a vacation at her home in Kansas City, but I don't believe she is on the air there. You will hear her soon again at WBAP, with the Hired Hand, her "uncle," announcing. I understand she is to return there ere spring is over. So you all down in Texas like Ford and Glenn, but can't here them well enough? I'll have to drop them a hint to get closer to "mike."

* *

All right Pearl, V. M. and L. B., Jack Todd, your favorite tenor, who sings for KMA, the May Seed and Nursery company station at Shenandoah, Ia., is "just a young fellow," single and very fond of the ladies. Has blue eyes, brown hair, stands

(Continued on page 17)

WOMEN'S PROGRAMS INDEX

Saturday April 24

Eastern	Central	Mountain	Pacific
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.

WWJ (352.7m-850kc) Tonight's dinner.

11	10	9	8

WEAO (293.9m-1020kc) Housekeepers' half hour.
WEAR (389.4m-770kc) Home service talk.
WHT (399.8m-750kc) Women's club, Jean Sargent.

12 n	11	10	9

WGN (302.8m-990kc), Household hints.
WQJ (447.5m-670kc), Home Economics program; "Cold Meat Salads," E. Ransom.

12:30 p. m.	11:30	10:30	9:30

WGN (302.8m-990kc), Discussion of fashions.

12:35	11:35	10:35	9:35

KYW (535.4m-560kc), Table talk.

1	12 n.	11	10

KGW (491.5m-610kc), Household helps, shopping guide.
KMA (252m-1190kc), Domestic science topics.

1:20	12:20 p.m.	11:20	10:20

WGBF (236.1m-1270kc), Garden talk.

5	4	3 p. m.	2 p. m.

KMOX (280.2m-1190kc), Housewives' hour.

Monday, April 26

Eastern	Central	Mountain	Pacific
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.

WWJ (352.7m-850kc), Tonight's dinner.

9:45	8:45	7:45	6:45

WTAG (268m-1120kc), Marjorie Woodman, nurse.

10	9	8	7

WHT (399.8m-750kc) Women's club, Jean Sargent.

10:45	9:45	8:45	7:45

WCCO (416.4m-720kc), "How Shall We Announce the Engagement?" Betty Crocker. WDAF (365.6m-880kc), WHT (399.8m-750kc), WJAR (305.9m-980kc), Home service talk, Betty Crocker.

10:50	9:50	8:50	7:50

WMC (499.7m-600kc), Home economics discussion, Miss Kitty.

11	10	9	8

WEAO (293.9m-1020kc), Housekeepers' half hour.
WEAR (389.4m-770kc), Home service talk.
WGN (302.8m-990kc), Household hints.
WQJ (447.5m-670kc), Home economics program. "Tropical Plants that Yield Medicine," Maud Jacobs. "The Psychology of Children," Donald Abel.
WSWS (275.8m-1090kc), Style shop.

11:30	10:30	9:30	8:30

WEBH (370.2m-810kc), Fashion and household talks.
WTJC (475.9m-630kc), Housewife's forum.

11:35	10:35	9:35	8:35

KYW (535.4m-560kc), Table talk.

1 p. m	12 n.	11	10

WSOE (245.8m-1220kc), Ladies' hour.

1:20	12:20 p. m.	11:20	10:20

WGBF (236.1m-1270kc), Garden talk.

2:30	1:30	12:30 p. m.	11:30

KFNF (263m-1140kc), Mothers' hour.
WGY (379.5m-790kc), Cooking lesson, Jessie Lane.

3	2	1	12 n.

WCCO (416.4m-720kc), Women's hour.
WSOE (246m-1220kc), Cooking chats.
WIP (508.2m-590kc), Market hints for housewives.
WJZ (454.3m-660kc), "Your Daily Menu."
WQJ (447.5m-670kc), "A Salad a Day," Helen Downing.

3:25	2:25	1:25	12:25 n.

WJZ (454.3m-660kc), Shopping service.

4	3	2	1

WOC (483.6m-620kc), Home management schedule, Aunt Jane.

4:15	3:15	2:15	1:15

KYW (535.4m-560kc), Meat talk, John Cutting.

5	4	3	2

KMOX (280.2m-1070kc), Housewives' hour.

6	5	4	3

WCCO (416.4m-720kc), "The Responsibility of the Home," Judge Nordbye.

8:30	7:30	6:30	5:30

KFOA (299.8m-1000kc), "Fresh Vegetables in the Diet."

9	8	7	6

WHA (535.4m-560kc), "Six Years Old—What Preparation for the First Year of School," Edith Hoyt.

Eastern	Central	Mountain	Pacific
9 p. m.	8 p. m.	7 p. m.	6 p. m.

KWSC (483.6m-620kc), Better Homes Week. "The Spiritual Significance of the Home." "The Planning and Construction of the Small Home." "Home Grounds and Gardens."

12:15 a. m.	11:15	10:15	9:15

KGO (361.2m-830kc), "Character Training in the Home," E. Anderson.

Tuesday, April 27

Eastern	Central	Mountain	Pacific
9 a. m.	8 a. m.	7 a. m.	6 a. m

WIP (508.2m-590kc), Menu, Anna Scott.

9:30	8:30	7:30	6:30

WWJ (352.7m-850kc), Tonight's dinner.

10	9	8	7

KDKA (309.1m-970kc), Domestic Science. Arts for the Housewife.
WHT (399.8m-750kc), Women's club, Jean Sargent.
WMCA (340.7m-880kc), Home Makers' hour.

11	10	9	8

WEAO (293.9m-1020kc), Housekeepers' half hour.
WEAR (389.4m-770kc), Home service talk.
WGN (302.8m-990kc), Household hints.
WQJ (447.5m-670kc), Home economics. "Show Me Your Hat and I'll Tell You What You Are," "Growing Perenniels from Seed." Pep exercises.

11:30	10:30	9:30	8:30

WOI (270m-1110kc), "Seasonal Buying Foods in House," Elizabeth Rivers.
WEBH (370.2m-810kc), Fashion and household talks.

1:20 p. m.	12:20 p. m.	11:20	10:20

WGBF (236.1m-1270kc), Garden talk.

2	1	12 n.	11

WGY (379.5m-790kc), Women's club.

3	2	1 p. m.	12 n.

WIP (508.2m-590kc), Menu talk.
WJZ (454.3m-660kc), "Your Daily Menu," Mrs. J. Heath.
WQJ (447.5m-670kc), "Hats from Scrap." "Ice Box Cakes," Helen Downing.

3:15	2:15	1:15 p. m.	12:15 p. m.

WHO (526m-570kc), Recipes, household hints.

3:30	2:30	1:30	12:30

WLIT (394.5m-760kc), Household helps and hints.

4	3	2	1

WOC (483.6m-620kc), Home management schedule.

5	4	3	2

KMOX (280.2m-1070kc), Housewives' hour.

5:30	4:30	3:30	2:30

KOA (322.4m-930kc), Housewives' matinee.

6	5	4	3

KOA (322.4m-930kc), Culinary hints, Clara Hoovet.
WCCO (416.4m-720kc), "The Home and Delinquency," Paul Guilford.

6:15	5:15	4:15	3:15

KOA (322.4m-930kc), Fashion review, Sally Dee.

6:45	5:45	4:45	3:45

WPG (299.8m-1000kc), Fashion Flashes.

8:30	7:30	6:30	5:30

KGO (361.2m-830kc), As a Woman Thinketh.

10:30	9:30	8:30	7:30

KFMX (336.9m-890kc), "Beauty in the Home."

Wednesday, April 28

Eastern	Central	Mountain	Pacific
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.

WWJ (352.7m-850kc), Tonight's dinner.

9:45	8:45	7:45	6:45

WEAF (491.5m-610kc), WFI (394.5m-760kc), Gold Medal service talk, Betty Crocker.
WTAG (268m-1120kc), Talk to Housewives, Mrs. Lydia Flanders.

10	9	8	7

WHT (399.8m-750kc), Women's club, Jean Sargent.

11	10	9	8

WEAO (293.9m-1020kc), Housekeepers' half hour.
WGN (302.8m-990kc), Household hints.
WQJ (447.5m-670kc), Home Economics program. "Culinary Hints for Spring Brides," Marie Johnson. "Fish Dinner Menu for Friday."

11:30	10:30	9:30	8:30

WEBH (370.2m-810kc), Fashion and Household talks.
WGN (302.8m-990kc), Discussion of fashions.

11:35	10:35	9:35	8:35

KYW (535.4m-560kc), Table talk.

Eastern	Central	Mountain	Pacific
11:45 p. m.	10:45 p. m.	9:45 p. m.	8:45 p. m.

WCCO (416.4m-720kc), "Plain Foods Dressed Up," Betty Crocker.
WDAF (365.6m-820kc), WHT (399.8m-750kc), WJAR (305.9m-980kc) Home service talk, Betty Crocker.

1:20 p. m.	12:20 p. m.	11:20	10:20

WGBF (236.1m-1270kc), Garden talk.

3	2	1 p. m.	12 n.

WCCO (416.4m-720kc), Woman's hour.
WJZ (454.3m-660kc), "Your Daily Menu," Mrs. J. Heath. Fashion talk.
WLW (422.3m-710kc), Cooking school.
WQJ (447.5m-670kc), "Radio Friends Recipes," Helen Downing.

4	3	2	1

WMAQ (447.5m-670kc), Recipes.
WOC (483.6m-620kc), Home management schedule, Aunt Jane.

5	4	3	2

KMOX (270.2m-1070kc), Housewives' hour.
KOAC (280.2m-1070kc), Housekeepers' half hour.

6	5	4	3

KGO (361.2m-830kc), "Hints for Housekeeper."
WCCO (416.4m-720kc), "Effect of Home Environment on the Mental Health of the Child."

7	6	5	4

KLX (508.2m-590kc), Woman's hour.
KMA (252m-1190kc), Domestic science talk.

8:15	7:15	6:15	5:15

KDKA (309.1m-970kc), "Selection and Care of Flowing Materials."

8:40	7:40	6:40	5:40

WNAD (254.1m-1180kc), "Training Girls for Vocations," Miriam Gerlach.

9	8	7	6

WHA (535.4m-560kc), "The Lawn and Flowers."

10:30	9:30	8:30	7:30

KOAC (280.2m-1070kc), "Every Child—How He Keeps His Mental Health," Sarah Prentiss.
KWSC (348.6m-860kc), "Music in the Home," "Playtime in the Home," The Children's Corner in the Home. "The Boy's Workshop in the Home."

10:45	9:45	8:45	7:45

KOAC (280.2m-1070kc), "Opportunities Open to Home Economics Graduates," Florence Blazier.

Thursday, April 29

Eastern	Central	Mountain	Pacific
9:30 a. m.	8:30 a. m.	7:30 a. m.	6:30 a. m.

WWJ (352.7m-850kc), Tonight's dinner.

9:45	8:45	7:45	6:45

WTAG (268m-1120kc), Marjorie Woodman, nurse.

10	9	8	7

WEAF (491.5m-610kc), Talks, cookery lecture.

10:30	9:30	8:30	7:30

WHT (399.4m-750kc), Women's club, Jean Sargent.

10:50	9:50	8:50	7:50

WMC (499.7m-600kc), Home economics discussion, Miss Kitty.

11	10	9	8

WEAO (293.9m-1020kc), Housekeepers' half hour.
WEAR (389.4m-770kc), Home service talk.
WGN (302.8m-990kc), Household hints.

11:30	10:30	9:30	8:30

WEBH (370.2m-810kc) Household and fashion talks.
WOI (270m-1110kc), "May Day Games," "Electrifying the Farm Home," Eloise Davison.
WQJ (447.5m-670kc) "Beacon and Spring Vegetables," Erna Bertrams. "The Preparations for the June Wedding," Julia Deal.

11:35	10:35	9:35	8:35

KYW (535.4m-560kc) Table talks.

1:20 p. m.	12:20 p. m.	11:20	10:20

WGBF (236.1m-1270kc) Garden talk.

3	2	1 p. m.	12 n.

WJZ (454.3m-660kc) Your Daily Menu, Mrs. J. Heath.

3:15	2:15	1:15	12:15 p. m.

WJZ (454.3m-660kc) "Wall Paper, Room by Room," A. Fillebroun.

3:30	2:30	1:30	12:30

WCCO (416.4m-720kc) "Parents as Educators," Mrs. H. Bessessen.

Eastern	Central	Mountain	Pacific
3:30 p. m	2:30 p. m.	1:30 p.m.	12:30 p. m.

WQJ (447.5m-670kc) "The High School Party," Helen Downing.

4	3	2	1

WOC (483.6m-620kc) Home management schedule. Aunt Jane.

5	4	3	2

KMOX (280.2m-1070kc) Housewives' hour.
KOAC (280.2m-1070kc) Housekeepers' half hour.

5:30	4:30	3:30	2:30

KOA (322.4m-930kc) Housewives' matinee.
WCCO (416.4m-720kc) Women's club program.

6:15	5:15	4:15	3:15

KOA (322.4m-930kc) Culinary hints, Clara Hoover. Fashion review, Sally Dee.

9	8	7	6

KUOA (299.8m-1000kc) "Faulty Diets and Dental Bills," J. Read.

Friday, April 30

Eastern	Central	Mountain	Pacific
9:30 a.m.	8:30 a. m.	7:30 a. m.	6:30 a. m.

WWJ (352.7m-850kc) Tonight's dinner.

10	9	8	7

KDKA (309.1m-970kc) Domestic science and Arts for the Housewife.
WHT (399.8m-750kc) Women's hour, Jean Sargent.

11	10	9	8

WEAO (293.9m-1020kc) Housekeepers' half hour.

11:15	10:15	9:15	8:15

KYW (535.4m-560kc) Meat talk.

11:30	10:30	9:30	8:30

WDAF (365.6m-820kc), WEAR (389.4m-770kc), WJAR (305.9m-980kc), Betty Crocker's Home service talk.
WEBH (370.2m-810kc) Household and fashion talks.
WGN (302.8m-990kc) Discussion of fashions.
WGN (302.8m-990kc) Household hints.
WQJ (447.5m-670kc) Sunday Dinner Menu, Ted Wilmes.

11:35	10:35	9:35	8:35

KYW (535.4m-560kc) Table talk.

11:45	10:45	9:45	8:45

WCCO (416.4m-720kc) "A Spring Vegetable Dinner," Betty Crocker.

1:20	12:20 p. m.	11:20	10:20

WGBF (236.1m-1270kc) Garden talk.

1:45	12:45 p. m.	11:45	10:45

WOAW (526m-570kc) Sunshine Sunday dinner menu.

3	2	1 p. m.	12 n.

WJZ (454.3m-660kc) "Your Daily Menu," Mrs. J. Heath.

3:15	2:15	1:15 p. m.	12:15 p. m.

WHO (526m-570kc) Recipes, household hints.
WQJ (447.5m-670kc) Home Economics program. "When the Unexpected Guest Arrives," Helen Downing. "The Conveniences of Electric Refrigeration."

3:25	2:25	1:25	12:45

WJZ (454.3m-660kc) "Solving Candy Problems."

4	3	2	1

KYW (535.4m-560kc) Woman's hour.
WOC (483.6m-620kc) Home Management, Aunt Jane.

4:15	3:15	2:15	1:15

WMAQ (447.5m-670kc)

4:30	3:30	2:30	1:30

WEAA (475.9m-630kc) Homemakers program.
WMAQ (447.5m-670kc), Foibles of the Moment.

5:30	4:30	3:30	2:30

KOA (322.4m-930kc) Housewives matinee.

6	5	4	3

WCCO (416.4m-720kc) "Relation of Music and Art to the Home," Mrs. W. Gilman.

6:15	5:15	4:15	3:15

KOA (322.4m-930kc) Fashion review.

9	8	7	6

WHA (535.4m-560kc) Better Homes Week address.

10:30	9:30	8:30	7:30

KWSC (348.6m-860kc) "Furnishing the Small Home." "Brightening up the Old Home." "Labor Saving Devices in the Home." "Better Homes and a Better Community.
KMOX (280.2m-1070kc) Housewives' hour.

BROADCAST PROGRAMS IN ADVANCE

Saturday, April 24

Headliners Today

Eastern	Central	Mountain	Pacific
7:30 p. m.	6:30 p. m.	5:30 p. m.	4:30 p. m.

WBZ (333.1m-900kc) An Evening with Emerson.

8:10	7:10	6:10	5:10

WEEI (475.9m-630kc) Boston symphony orchestra.

8:30	7:30	6:30	5:30

WGN (302.8m-990kc) "The Chocolate Soldier."

9	8	7	6

WSM (282.8m-1060kc) Barn dance.
WOAW (526m-570), "A Step On the Stairs," mystery serial.

10	9	8	7

KMOX (280.2m-1070kc) Missouri Old-Time Fiddler.
WCX (516.9m-580kc) Breeze Blowers.
WLIT (394.5m-760kc) Freshman music.

10:30	9:30	8:30	7:30

WBAP (475.9m-630kc) Hired Hand's Little symphony.

12 m.	11	10	9

KOIL (277.6m-1080kc) Big Indian Pow Wow.

12:45 a. m.	11:45	10:45	9:45

WDAF (365.6m-820kc) Frolic.

1	12 m.	11	10

KMTR (238m-1260kc) Hal Roach stars.

Saturday, silent night for: CNRA, CNRC, CNRE, CNRM, CNRR, CNRT, CNRV, CNRW, KFKU, KFKX, KFRU, KFUO, KFXF, KMA, KOAC, KOB, KSAC, KSO, KATB, KWSC, WABQ, WAIU, WBAL, WCAL, WCX, WDOD, WEAO, WEBJ, WEBW, WEMC, WGBF, WGCP, WGHP, WGST, WHA, WHAD, WHAZ, WHN, WHO, WIP, WJAD, WJAR, WKAR, WLIT, WLWL, WMAZ, WNAD, WOS, WRVA, WTAG, WTIC, WWJ.

Eastern Time Stations

CKNC, Toronto, Can. (356.9m-840kc), 4 p. m., CKNC chamber orchestra; 8, Charles E. Bodley and his dance orchestra; Arthur Vandervoort, bass; Hazel Hall-Vandervoort, soprano; A and B Battery Brothers.
KDKA, Pittsburgh, Pa. (309.1m-970kc), 6:30 p. m., Westinghouse band concert; 8, farm program; 8:30, Westinghouse band concert.
WAHG, Richmond Hill, New York (315.6m-954kc), 12 midnight, novelty program.
WBZ, Springfield, Mass. (333.1m-900kc), 6:45 p. m., Hotel Kimball trio; 7, Capitol theater orchestra; 7:30, "An Evening with Emerson"; 7:45, Repertory theater concert orchestra; 8:15, play; 8:45, announced; 9:15, American Legion program; 10:03, American Legion program.
WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert; 8:15, Youngstown artists.
WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., Goldkette ensemble.
WEAF, New York, N. Y. (491.5m-610kc), 6-7 p. m., Hotel Waldorf-Astoria; 7, Turner male quartet; 7:10, Carl Schaiowitz, violinist; 7:25, Turner male quartet; 8, WEAF musical comedy troupe; 8:30, debate; 11-12 midnight, Vincent Lopez and his orchestra.
WEAR, Cleveland, Ohio (389.4m-770kc), 7 p. m., Hotel Statler concert orchestra.
WEEI, Boston, Mass. (348.6m-860kc), 7:10 p. m., Slade's Spice family; 8:10, Boston symphony orchestra; 10, Lucerne-in-Maine quintet.
WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 8:30, WEAF.
WGBS, New York, N. Y. (315.6m-950kc), 7:30 p. m., Areadia orchestra; 10:30, Arrowhead Inn orchestra.
WGHB, Clearwater, Fla. (265.3m-1130kc), 6:30-7:30 p. m., dinner music; 7:30-7:45, King of the Mandalaille; 8:30-10, old-time duet; Cliff Kellam, trombonist; Jeff Miller, whistler; 11:45-1, Ramble, Graham Prince and his orchestra.
WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., Onondaga hotel, WFBL, WHAM; 7:30, Navy night, WRC, WJZ; 10:30, Hotel Van Curler orchestra.
WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin hotel concert orchestra; 8:15, "Traviata," metropolitan opera house; 10:05, El Patio dance orchestra; 11:05, organ recital, Germantown theater.
WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Stromfeltz-Loveley serenaders; 9, Jean Goldkette's serenaders; 10, Jean Goldkette's Victor Recording orchestra; 11:30, Merry Old Chief.
WJZ, New York, N. Y., (454.3m-660kc), 7 p. m., WRC, 8, WRC; 8:45, Cosmo Hamilton, Radio novel; 10:30, Hotel Vanderbilt, Della Robbia room orchestra.
WLIT, Philadelphia, Pa. (394.5m-760kc), 7:30 p. m., Benjamin Franklin concert orchestra.
WMAK, Buffalo, N. Y. (265.3m-1130kc), 6:15-7:15 p. m., dinner music; 7:30, musicale; 8:30, Wolff's Furniture House, Inc.; 9, musicale, Miss E. Sullivan; 9:30, Scotch music, Billy Mackay; 10:30-11, Maltop, Inc.
WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Olcott Vail and his Hotel McAlpin string ensemble; 6:30, Parody orchestra; 10, Norman Pearce, readings; 11, Ernie Golden and his Hotel McAlpin orchestra; 12 midnight, McAlpin entertainers.
WNYC, New York, N. Y. (526m-570kc), 7:35 p. m., J. Morton Smith, tenor; 8, Waside Troubadours; 9, dramatic reading, Harriet Weims; 9:30, St. George society orchestra.
WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Adelphia dinner dance orchestra.
WOR, Newark, N. J. (405.2m-740kc), 6:30 p. m., Jacques Jacob's Hotel Shelton ensemble; 7:30, Van's Collegians; 8:30, Copenhagen quartet; 9:15, La Forge-Berumen studios musicale; 11:15, Katinka orchestra.
WPG, Atlantic City, N. J. (299.8m-1000kc), 6:45 p. m., Arthur Scott Brook, organist; 7, Hotel Morton dinner music; 8:15, Million Dollar Pier dance orchestra; 10, Nick Nichols' dance orchestra; 11, Elks home.
WRC, Washington, D. C. (468.5m-640kc), 10:30 p. m., Meyer Davis' Swanee Syncopators; 11:30-12, Otto F. Beck, organist.
WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., dinner concert, Speed-Wagon serenaders; Gold Standard ensemble; 10-12 midnight, special dance program, Speed-Wagon serenaders.
WTAM, Cleveland, Ohio (389.4m-770kc), 6-7 p. m., Guy Lombardo and his Royal Canadians; 8-9, Hollenden hour, Carl Rupp and his Hotel Hollenden orchestra; 9-12, novelty program, Ev Jones and his gang.
WTIC, Hartford, Conn. (475.9m-630kc), 6:50 p. m., Bond trio; 8:30, Earle Styers, baritone; 9, Hartford poetry club; 10:30, Carroll's Palais Royal dance orchestra.

Central Time Stations

CKY, Winnipeg, Can. (384.4m-780kc), 8:30 p. m., studio program; 9, C. P. R. Royal Alexandra hotel; John Harper and his orchestra; Frank Wright's Country Club orchestra; 11, Eveready hour.
KFAB, Lincoln, Nebr. (340.7m-880kc), 8:30-10:30 p. m., Belshaw's orchestra; Cowbell Boys; Ed Ellingson, songbird; Harmony Boys; Gloomy Gus; 12-2 a. m., orchestra.
KFH, Wichita, Kans. (267.7m-1120kc), 7-8 p. m., J. Adams Music company artist program; 11-12 midnight, Hotel Lassen dance music.
KFKX, Hastings, Nebr. (288.3m-1040kc), 5:30 p. m., KDKA.
KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., concert; 11, old-time music.
KLDS, Independence, Mo. (440.9m-680kc), 8 p. m., classical program; Amy Winning, organist; Otto Rothenberger, bass.
KMA, Shenandoah, Iowa (252m-1190kc), 5:30-7 a. m., alarm clock; 6-7 p. m., popular music; 9-11, entertainment.
KMMJ, Clay Center, Nebr. (228.9m-1310kc), 8 p. m., Hanson's orchestra.
KMOX, St. Louis, Mo. (280.2m-1070kc), 6 p. m., Arthur L. Utt, organist; 7, "Fra Diavalo"; 8, Varsity quartet; 9, James F. Zerr, old-time fiddler; 10, Colonel 6121.
KOIL, Council Bluffs, Iowa (277.6m-1080kc), 6:35 p. m., McCrory's music period; 7:30, songs from the operas; 11, Big Indian pow-wow.
KPRC, Houston, Texas (296.9m-1010kc), 7:30 p. m., Bible class, Rev. M. M. Wolf; 8:30, Frank Tilton, blind wonder boy pianist; 10:30, Harold Oxley's Warwick hotel orchestra.
KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., orchestral and stage specialties.
KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9-10 p. m., artists, Caddo academy; 10-10:30, New Arlington hotel dance orchestra.
KUOA, Fayetteville, Ark. (299.8m-1000kc), 7:30 p. m., State Debating contest.
KYW, Chicago, Ill. (535.4m-560kc), 7:30-9 p. m., Home Lovers hour; 9, hour of music; 10-11, Congress classics; 11:05-12, Congress Carnival.
WADC, Akron, Ohio (258.5m-1160kc), 6:30 p. m., Hotel Portage quintet.
WAMD, Minneapolis, Minn. (243.8m-1230kc), 7:05 p. m., special program, Frank and Ernest; 7:15, popular musicale; Blueboys' orchestra; Harmony twins, Fred and Bob.
WBAP, Ft. Worth, Texas (475.9m-630kc), 6-6:30 p. m., Chief Gonzales' Texas hotel orchestra; 9:30-11, Hired Hand's Little symphony.
WBBM, Chicago, Ill. (225.4m-1330kc), 8-2 a. m., Alemite orchestra; old-fashioned songs; Barber shop quartet; Two Jays; Charlie Garland; Ariston trio.
WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6:15 p. m., Emmet Long's Golden Pheasant orchestra; 8:15, musical program; 10:05, dance program, Emmet Long's Golden Pheasant orchestra.
WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., Trianon ensemble; 8-10, popular music; 11:45-1, WDAF's Hotel President studio.
WEBH, Chicago, Ill. (370.2m-810kc), 7-8 p. m., Oriole orchestra; Sunday school lesson; string trio; Howard Neumiller, pianist; 9-9:15, news; 9:15-10, Oriole orchestra; James Murray, tenor; Kay Ronayne; marimba band; 11, Oriole orchestra; 12, James Murray, tenor; 1 a. m., Frank Greif, songs; 2, trombone duo.
WENR, Chicago, Ill. (265.3m-1130kc), 6-7 p. m., dinner concert, Rauland-lyric trio, vocal; 8-10, popular program, All-American Pioneers; 12-2 a. m., frolic.
WFAA, Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m., Jimmie Joy's orchestra; 8:30-9:30, Mrs. Albert E. Smith, soprano; Mrs. Howard Parks, contralto; 11-12 midnight, Jack Gardner's orchestra.
WGN, Chicago, Ill. (302.8m-990kc), 6:55-7 p. m., Drake concert ensemble, Blackstone string quintet; 8-8:10, Auld Sandy; 8:10-8:30, Drake concert ensemble, Blackstone string quintet; 8:30-9:30, "Red Mill"; 9:30-10, old-time prize fight; 10, Sam 'n' Henry; 10:10, old-time favorites; 10:20, play shop; 10:40-11, studio ensemble.
WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., Town club, Louisville Conservatory of Music.
WHT, Chicago, Ill. (399.8m-750kc), 6 p. m., Al Carney, organist; 6:50-7:45, Rayner Dalheim orchestra; (238m-1260kc), 7:45-9:15, musical features, Cinderella cafe orchestra; (399.8m-750kc), 9:30, Kitchen Klenzer program; 9:50, popular; 10:30, Cinderella cafe orchestra; 12, Your Hour league, Pat Barnes and Al Carney.
WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., dinner concert; Maria Fay, soprano; Hazel McBroom, contralto; Christopher Hendra, tenor; string trio.
WJAZ, Chicago, Ill. (322.4m-930kc), 9-2 a. m., Opera club.
WJJD, Mooseheart, Ill. (370.2m-810kc), 5:30-7 p. m., dinner hour; 8-9, Palmer House Victorians; 10-11, Palmer House Victorians; 12-1 a. m., Palmer House Victorians; Jack Nelson.
WKRC, Cincinnati, Ohio (422.3m-710kc), 10 p. m., Ace Brigode and his Virginians; 10:30, studio features; 11, Sam Jones, mouth harp, guitarist; 11:15, Ace Brigode and his Virginians.
WLIB, Chicago, Ill. (302.8m-990kc), 7:30-8 p. m., musical program; 11-11:20, Correll and Gosden; 11:20-12:30 a. m., studio ensemble, dance music, harmony duos.
WLS, Chicago, Ill. (344.6m-870kc), 7:30 p. m., Ralph Emerson, organist, 8-12, WLS, Twin Wheeze; Maurie Sherman's College Inn orchestra.
WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., organ recital, Johanna Grosse; 8, Shoestring orchestra, Sardinia, Ohio; 8:30, "A Step On the Stairs," Schuster-Martin school; 9, Odd Fellows reunion.
WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Woman's World Fair.
WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon ensemble, Margaret Conrad, violinist; Hilda Hinrichs, cellist; Preston Graves, pianist; Franklin Kidd, tenor; 9-11, Trianon orchestra; Woodlawn theater orchestra; Eugene Piotnik; Trianon ensemble; Clinton Keithley, tenor; Willie Horowitz, comedy sketches; Jimmie Eggert, baritone; Ole Larson, Charles Agne.
WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Variety program, George Hughes.
WOAW, Omaha, Nebr. (526m-570kc), 6:50 p. m., orchestra; 8, "A Step On the Stairs," mystery serial; 9, de luxe program, Funcasters, Randall's Royal Fontenelle orchestra; 10:30, Frank Hodek and his Nightingale orchestra.
WOC, Davenport, Iowa (483.6m-620kc), 9-10 p. m., Wrixon's orchestra; 11-12 midnight, Le Claire hotel orchestra; Peter MacArthur, Scotch baritone.
WOK, Chicago, Ill. (217.3m-1380kc), 10-1 a. m., Tearney's Town club orchestra; Pershing Palace orchestra; Midway Garden orchestra; Capitol theater program.
WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9-10 p. m., Elizabeth Barker, Van Campen hour of music; Ida Dekker, soprano; Joan Aar, soprano; Alida Vanden Berge, pianist; Edna Darling, reader; Jack Bos, baritone; Mrs. Guy Halliday, pianist; 10-12, Roy Clark, P. R. Jeffery, Harold DeWindt, Tehlma Dykman, Bill Dallavo and his orchestra.
WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Garden orchestra; Marjory Worthington, soprano; Kane McDuffee, whistler; 10-3 a. m., Rainbo Skylarks; Rose Vanderbosch, soprano; Hal Lansing, ukulele soloist; Everett George Opie, character reader; Clarence Theders, tenor; Joe Warner; Oxford Girls; Rita McFawn, harmony duo; West Brothers; Gail Bandell, contralto; Melodians; Bert Davis.
WSAI, Cincinnati, Ohio (325.9m-920kc), 7 p. m., chimes; 7:15, music; 8:45, Meuded Rilay, boy trombonist; 9, Bicycle playing card sextet; 12, Freda Sanker's orchestra.
WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., Atwater Kent hour; 10:45, Hired Help Skylark.
WSM, Nashville, Tenn. (282.8m-1060kc), 6:30 p. m., Francis Craig's concert orchestra; 8-12 midnight, barn dance program, features.
WSOE, Milwaukee, Wis. (245.8m-1220kc), 9 p. m., Huyler's string trio.
WSUI, Iowa City, Iowa (483.6m-620kc), 7:30 p. m., Wm. Edmondson, Jr., tenor; Mrs. Geraldine Ristine, pianist.
WSWS, Chicago, Ill. (275.8m-1090kc), 6 p. m., Edythe Ruebekam; Hugh Aspinwall, tenor; Jean Duncan, contralto; 8, Chicago serenaders mixed quartet; 10, Marjorie Lee, pianist; Johnny Buckingham; Jack Ford.

Mountain Time Stations

KFAU, Boise, Idaho (280m-1070kc), 8:20-10 p. m., song recital.
KFWA, Ogden, Utah (260.7m-1150kc), 9-10 p. m., Olie Reeves and his orchestra; 10-11, Paramount theater; 11-12, Olie Reeves and his orchestra.
KOA, Denver, Colo. (322.4m-930kc), 9 p. m., Harmony Peerless orchestra; 10:30, Scheuerman's Colorado orchestra.

Pacific Time Stations

CNRV, Vancouver, Can. (291.1m-1080kc), 8:30 p. m., McIntyre string quartet; violins, cello, soprano; 10:30, Cabaret Belmont orchestra; Bebe Mullar, soprano.
KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., dance music; 8-9, popular program; 9-10, Associated Packard dealers, KPO; 10-11, Packard Radio club; 11-3 a. m., KFI midnight frolic.
KFON, Long Beach, Calif. (232.4m-1280kc), 7-7:30 p. m., studio program; 7:30-9, Long Beach municipal band; 9-10, Idyllwild Golf club program; 10-11, frolic; 11-12 midnight, State theater organ.
KFWB, Hollywood, Calif. (252m-1190kc), 6:30-7:30 p. m., Pontiac Six dinner hour; 8-10, program by Electromae; 10-11, Warner Brothers frolic.
KGO, Oakland, Calif. (361.2m-830kc), 8:10 p. m., Odd Fellows' Alameda County reunion; 9:45, "A Step On the Stairs"; 10-12 midnight, Madson's Midshipmen.
KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., concert; 10-12 midnight, Herman Kenin's dance orchestra.
KHJ, Los Angeles, Calif. (405.2m-740kc), 8-10 p. m., Piggly Wiggly Girls' trio, Karl Brandenburg, tenor.
KJR, Seattle, Wash. (384.4m-780kc), 8:30-10 p. m., Warner company studio program.
KMTR, Hollywood, Calif. (238m-1260kc), 6-7 p. m., Starr Piano company studio; 8-10, KMTR concert orchestra, Loren Powell, directing; 10-11, motion picture Jollification with Hal Roach stars.
KNX, Hollywood, Calif. (336.9m-890kc), 6:30-7 p. m., Atwater Kent orchestra; 7:30-8, studio program; 8-9, John A. Vaughn corporation; 9-10, program, W. W. Rainey organization; 10-11, Ambassador hotel dance orchestra; 11-2 a. m., Hollywood night with the filmland frolic.
KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7:30 p. m., States Restaurant orchestra; 8-9, 30th U. S. Infantry army band; 9-10, KFI program; 10-12 midnight, Fairmont hotel dance orchestra; Maurice Gunsky, tenor; Merton Bories, pianist.
KPSN, Pasadena, Calif. (315.6m-950kc), 8-9 p. m., Star-News concert hour; 9-10, dance orchestra.

High Lights of the Air

OLD NEWSPAPERS and interviews with old-time fight fans furnish Quin Ryan of WGN, Chicago, with the material for the famous prize fights he is reviving Saturday nights. This Saturday he will describe the Corbett-Fitzsimmons clash as though it were happening and blow by blow coming to him over the telephone.

The Sweethearts of the Air, the MacDowell Sisters are appearing at WFAA Sunday night with their usual popular repertoire of Hawaiian music. The Arkansas Traveler special train will be ready for passengers this same night at KTHS.

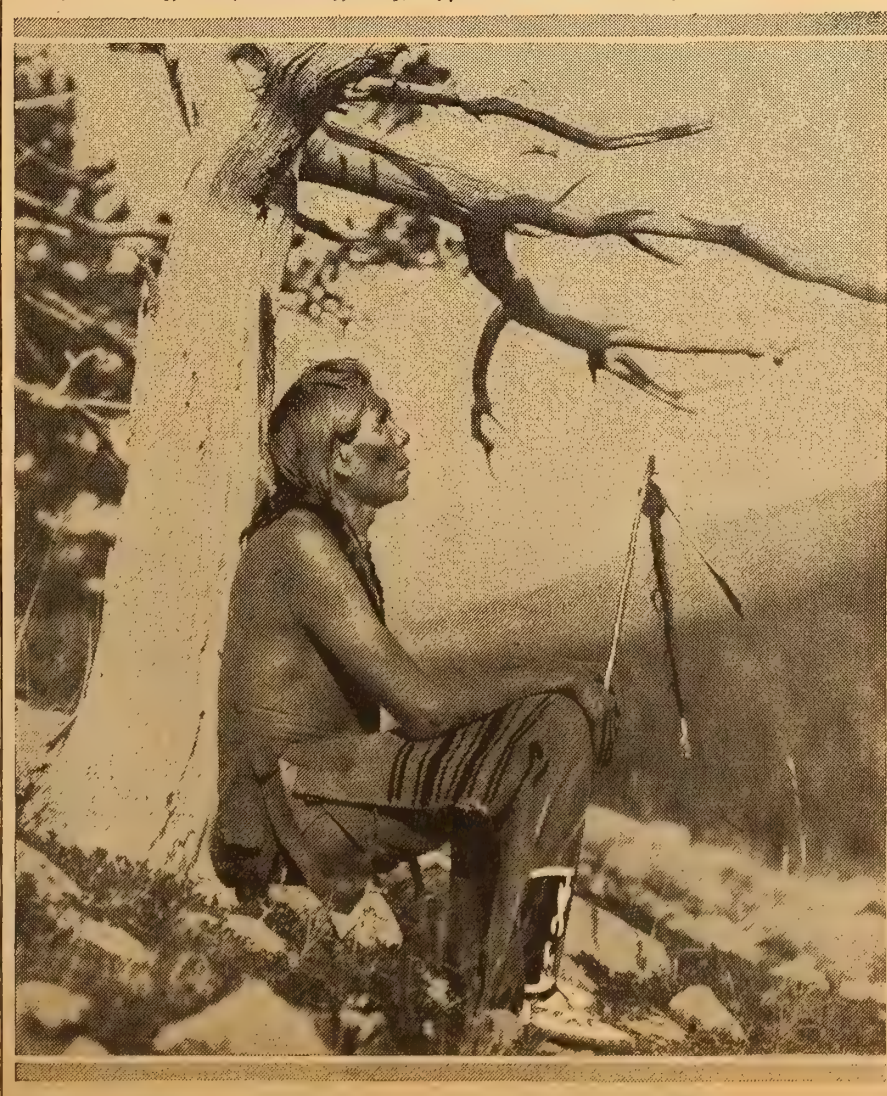
A Chicago songster who was well liked in her home city has migrated to KPRC, Houston, Tex. Ruth Patterson, soprano, will be the feature of the Monday program of this station.

"The Casino Gardens" whose action takes place against the background of jazz music and whose characters are members of an orchestra is the dramatic feature Tuesday of WGBS, New York. Kenyon Nicholson is the author of the piece and also the principal actor. The Radio world will hear three famous instruments this same evening over the microphone of WIP, when the Schmidt quartet members of the Philadelphia orchestra play. The first violin and the violoncello heard were made by the famous Stradivarius and are valued at something like $50,000. The viola was made in 1650, and is valued at $8,000.

An hour of unusual music may be enjoyed by fans tuning in WSAI Wednesday night, when the Cincinnati Accordion club meets at this station. WLS, Chicago, will present a picture production, "The Story of Mozart." The musical history of this pathetic young composer will be given by the WLS trio.

Spanish war veterans are meeting at WCCO Thursday, to put on a program of music reminiscent of this war period. At WGY "A Night in the Country Store" with the Corn Huskers orchestra will amuse the fan.

An authoritative portrayal of the American Indian in story and song is the Friday feature of Denver music week which is being celebrated at KOA. This novel offering is being conducted by Harold A. Loring, and assisted by Chief Lone Eagle, below.



Chants of battle, love songs, hymns to the gods of rain and sunshine will be given by Chief Lone Eagle during an Indian program at KOA, Denver, Friday, April 30. He is shown above looking across the Rocky Mountains toward the land of the setting sun.

Sunday, April 25

Headliners Today

Eastern	Central	Mountain	Pacific
3 p. m.	2 p. m.	1 p. m.	12 n.

WQJ (447.5m-670kc) University choral club program.

5	4	3	2 p. m.

WGN (302.8m-990kc), Oriental Jazz ensemble.

6	5	4	3

KPRC (296.9m-1010kc) Harmonica club.

7:30	6:30	5:30	4:30

WBAL (245.8m-1220kc) American Artists' recital.

8	7	6	5

WJAZ (322.4m-930kc) Czerwonky string quartet.

8:15	7:15	6:15	5:15

WEAF, (491.5m-610kc), WEEI, WCAP, WFI, WJAR, WGR, WCAE, WSAI, WWJ, WOC, WCCO, WGN, WEAR, KSD, WTAG, Atwater Kent program.

10	9	8	7

KMOX (280.2m-1070kc) Sunday Night club.
WFAA (475.9m-630kc) MacDowell Sisters.

11	10	9	8

KHJ (405.2m-740kc) Music Lovers' program.
KTHS (374.8m-800kc) Arkansas Traveler special train.

12 m.	11	10	9

KFWB (252m-1190kc) Film frolic.

12:15 a. m.	11:15	10:15	9:15

WHB (365.6m-820kc), Linwood theater feature.

Sunday, silent night for: CFAC, CHIC, CKAC, CKNC, CNRA, CNRC, CNRE, CNRM, CNRO, CNRR, CNRT,

KGO BROADCASTS DENVER MUSIC WEEK

Sunday, April 25

CNRV, CNRW, KFAB, KFAU, KFKX, KFOA, KFWA, KFXF, KLX, KMA, KMTR, KOAC, KOB, KOWW, KSAC, KSO, KUOA, KWSC, WABQ, WAHG, WAIU, WCAU, WDAF, WEAO, WEBJ, WEBW, WFI, WGBF, WGHB, WGHP, WHA, WHAS, WHAZ, WIP, WJAD, WJAZ, WJJD, WJR, WKAF, WKAR, WMAQ, WMAZ, WMC, WNYC, WOI, WOOD, WRC, WRVA, WSB, WSM, WTAM, WTIC.

Atlantic or Eastern Daylight Saving Time Stations

WCAE, Pittsburgh, Pa. (461.3m-650kc), 2 p. m., WEAF; 6:30, dinner concert, William Penn hotel; 7:20, WEAF; 9:15, WEAF.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 11 a. m., First Unitarian church; 5, recital; 5:15, Undenominational church services; Rev. John W. Stockwell; 5:25, "The Significance of the Book of First Samuel," Rev. John W. Stockwell; 5:35, recital; 5:45, "Waiting in the Dark," Rev. John W. Stockwell; 6:15, Clarence Seaman and his Hotel Pennsylvania orchestra; 7:45, Cathay Garden concert orchestra; 8:30, Barry O'Moore and the Bonwit Teller ensemble; 9, The Lester-North Hour of Music; 10, the Ten Californians.

WEAF, New York, N. Y. (491.5m-610kc), 2-3 p. m., Greater New York Federation of Churches; 3-4, Young People's conference; 4-5:30, Y. M. C. A.; 5:30-6, musicale; 6-7:20, Shakespearean hour; 7:20-9:15, Capitol theater; 9:15-10:15, Atwater Kent Radio hour.

WEEI, Boston, Mass. (348.6m-860kc), 2 p. m., Sager's hour of hospitality; 3, musicale; 4, WEAF; 5:30, musicale; 7:20, WEAF; 9:15, WEAF.

WFI, Philadelphia, Pa. (394.5m-760kc), 4:30 p. m., chapel services, Rev. W. L. Anthor; 6, Shakespearean hour; 8:30, Arch Street Presbyterian church services; 9:15, WEAF.

WGR, Buffalo, N. Y. (319m-940kc), 10:45 a. m., Westminister Presbyterian church; 6 p. m., WEAF; 7:45, Central Presbyterian church; 9:15, WEAF.

WHN, New York, N. Y. (361.2m-380kc), 7:30 p. m., Calvary evening services; 10:15, Anatol Friedland; 10:45, Janssen's Hofbrau orchestra; 12, Sophie Tucker's Playground.

WIP, Philadelphia, Pa. (508.2m-590kc), 4 p. m., Germantown Gospel mission; 7:15, services, Holy Trinity church; 9:30, Ben Stad and his WIP symphony orchestra.

WJAR, Providence, R. I. (305.9m-980kc), 7:20 p. m., WEAF; 9:15, WEAF.

WJZ, New York, N. Y. (454.3m-660kc), 7 p. m., Hotel Pennsylvania concert orchestra; 8, Bakelite hour; 9, Hotel Commodore concert orchestra; 10, Godfrey Ludlow, violinist; Lolita Cabrera Gainsborg, pianist.

WLIT, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Benjamin Franklin hotel organ recital; 7, Benjamin Franklin hotel concert orchestra.

WLWL, New York, N. Y. (288.3m-1040kc), 8 p. m., Paulist choristers; sermon.

WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Roemer's homers; 7, Ernie Golden and his Hotel McAlpin orchestra; 7:30, Olcott Vail and his Hotel McAlpin string ensemble; 8, Mayolians; 8:30, California Ramblers; 10:30, Twin Oaks; 11, Boxing Writers' banquet.

WOO, Philadelphia, Pa. (508.2m-590kc), 10:30 a. m., services, Bethany Presbyterian church; 2 p. m., Sunday school exercises; 6, organ recital.

WTAG, Worcester, Mass. (267.7m-1120kc), 4-5:30 p. m., program announced; 7:20-9:15, WEAF; 9:15-10:15, WEAF.

Eastern Standard or Central Daylight Saving Time Stations

CHIC, Toronto, Can. (356.9m-840kc), 5 p. m., organ recital, Central Technical school; George Graham, organist.

KDKA, Pittsburgh, Pa. (309.1m-970kc), 11 a. m., services; 4 p. m., Dr. Charles Heinroth, organist; 4:45, Shadyside Presbyterian church; 6:30, dinner concert; 7:15, chimes; 7:45, services.

KYW, Chicago, Ill. (535.4m-560kc), 11:05 a. m., Central church service; 2:30 p. m., chapel service; 4:30, concert, Edwin A. Harper; 7, Chicago Sunday Evening club, "Some Old Letters," Clifford W. Barnes; 7:40, Stanley Martin, organist; 8, address, Dr. S. S. Drury.

WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., twilight program, WBAL concert orchestra; 7:30-8:30, artists' recital; Harold Randolph, pianist; Frank Gittelson, violinist.

WBBM, Chicago, Ill. (225.4m-1330kc), 12:30-2 p. m., Second Baptist church quartet; 4-6, Sunday matinee, 8-10, Alemite orchestra; Pauline Stiffler Atlass, violinist.

WBZ, Springfield, Mass. (333.1m-900kc), 9:50 a. m., Community church; 5 p. m., Golden Rule hour; Ary Dulfer, violinist; Alexander Blackman, violist; George Brown, cellist; Hans Ebell, pianist; 6, dinner concert, Copley Plaza orchestra; 7, Holy Cross college musical clubs; J. Guest, organist.

WCBD, Zion, Ill. (344.6m-870kc), 8 p. m., Zion orchestra; Ladies' quartet; Florence Hill, soprano; P. M. LaRose, contralto; E. B. Paxton, baritone; Ralph Bull, tenor; Messrs. Ralph Bull and Paxton, duettists; Mrs. Hester Robinson, reader.

WCX, Detroit, Mich. (516.9m-580kc), 7:15 p. m., Central Methodist Episcopal church.

WEAR, Cleveland, O. (389.4m-770kc). 3:30 p. m., Goodyear concert orchestra; 7, Loew's theater orchestra; 8, Fireside hour; 9:15, WEAF.

WEBH, Chicago, Ill. (370.2m-810kc), 10:40-12 noon, Seventh Church of Christ, Scientist; 7-9, news; Oriole orchestra; artists.

WENR, Chicago, Ill. (265.3m-1130kc), 2-3 p. m., Skeeles-Biddle hour of better music; 3-4, Moody Bible institute hour; 6-7, Moody Bible institute evening hour; 9:30-12 midnight, popular program, Frank Westphal and his All-American Pioneers, vocal numbers.

WGN, Chicago, Ill. (302.8m-990kc), 6:45-7 p. m., musical program; 7-7:20, "The Million Sing"; 7:45-8:15, Drake concert ensemble, Blackstone string quintet; 8:15, WEAF; 9:15, old-time music room "Schuman"; 10, Sam 'n' Henry; 10:10, old-time favorites; 10:20-11, musical program, ensemble.

WGY, Schenectady, N. Y. (379.5m-790kc), 10:30 a. m., First Baptist church; 11:30, WJZ; 3 p. m., Syracuse, WFBL, WHAM, Elmer A. Tidmarch, organist; 7:30, First Church; 8, WJZ; 10, WJZ.

WHT, Chicago, Ill. (399.8m-750kc), 11:30-12 p. m., Paul Rader.

WIBO, Chicago, Ill. (225.4m-1330kc) 6-8 p. m., dinner program; Bernice Taylor, soprano; Robert E. Wessling, baritone; Helen Snyder, mezzo-soprano; Eugene Wallentin, baritone; Robert York, tenor; 10-12, midnight, popular program; Marie Tully, Wayne Myers, Lenore Friedman; Agnes Buchli, soprano; Charles Burke, uke soloist.

WJAZ, Chicago, Ill. (322.4m-930kc), 7-9 p. m., Czerwonky string quartet.

WJJD, Mooseheart, Ill. (370.2m-810kc), 7:45 a. m., Catholic services; 9:30-10:30, Protestant services; 3 p. m., Mooseheart Sunday concert.

WJR, Pontiac, Mich. (516.9m-580kc), 10:30 a. m., First Baptist church.

WKRC, Cincinnati, Ohio (422.3m-710kc), 6:45 p. m., Walnut Hills Christian church, sacred music; 10, classical program, vocal and instrumental selections; 11:15, Ace Brigode and His Virginians.

WLIB, Chicago, Ill. (302.8m-990kc), 5-6:30 p. m., chamber music; 6-6:15, non-professional period.

WLS, Chicago, Ill. (344.6m-870kc), 6-8 p. m., Little Brown church; Little symphony.

WLW, Cincinnati, Ohio (422.3m-710kc), 9:30 a. m., Sunday school, Editorial Staff of Methodist Book concern; 10:45, Seventh Presbyterian church; 5 p. m., Negro spirituals, arranged by James H. Robinson of the Cincinnati Community chest; 7:30, First Presbyterian church; 8:30, concert, The H. & S. Pogue company orchestra; Wm. Kopp, Glover Davis, tenor, Wilbert Little, accompanist.

WMBB, Chicago, Ill. (249.9m-1200kc), 7:10-9 p. m., Fifth Church of Christ, Scientist; 9-11, Trianon orchestra; Woodlawn theater orchestra; Wellington Forbes, tenor; Scotty Welch and Madison Sisters; Golden Harmony trio; Bob Bennett.

WOK, Chicago, Ill. (217.3m-1380kc), 1-2 a. m., Tearney's Town Club orchestra; Midway Garden orchestra; Pershing Palace orchestra; 6-1 a. m., Town club orchestra; Midway Garden orchestra; Pershing Palace orchestra; Capitol theater musicale.

WORD, Batavia, Ill. (275m-1090kc), 10 a. m., I. B. S. A. service; 2:30 p. m., program; 6, I. B. S. A. evensong service; Webster hotel trio.

WQJ, Chicago, Ill. (447.5m-670kc), 10 a. m., People's church; 3-4 p. m., La Salle Extension university choral club; 8-10, Rainbo Gardens orchestra; Jean Carlson, soprano; Kenneth Dunn, accompanist; Jean St. Anne, baritone; Katherine McDeavitt, accompanist; Edmund Kelly, baritone.

WREO, Lansing, Mich. (285.5m-1050kc), 10 a. m., chimes, Belfry Plymouth Congregational church; 10:30, First Baptist church; Mrs. Henry Chambers, organist; 7 p. m., Central M. E. church; W. Tillitson, organist.

WSAI, Cincinnati, Ohio (325.9m-920kc), 11 a. m., Avondale Methodist Episcopal church; 3-4:30, WEAF; 5, WEAF; 7:45, chimes; 8, WEAF; 8:15, Atwater Kent Radio hour.

WTAM, Cleveland, Ohio (389.4m-770kc), 11 a. m., Trinity cathedral.

WWJ, Detroit, Mich. (352.7m-850kc), 6:20 p. m., WEAF; 8:15, WEAF.

Central Standard Time Stations

CKY, Winnipeg, Can. (384.4m-780kc), 7 p. m., St. Paul's United church; 9, C. P. R. Royal Alexandra hotel.

KFAB, Lincoln, Nebr. (340.7m-880kc), 4-5 p. m., vesper; 9-11, Sunday evening musicale.

KFH, Wichita, Kans. (267.7m-1120kc), 9:45 a. m., Men's Brotherhood Bible class; 7:15 p. m., First Baptist church; 10-11, Coleman string quartet, soloists.

KFMX, Northfield, Minn. (336.9m-890kc), 7-8 p. m., College vesper services.

KFNF, Shenandoah, Iowa (263m-1140kc), 10:45 a. m., First M. E. church; 2:30 p. m., Golden Rule song service; 3, Swedish Mission church; 6:30, Golden Rule circle; 7:30, Christian church service.

KFRU, Columbia, Mo. (499.7m-600kc), 7:30 a. m., services; 9:30, Bible class; 7:30 p. m., Columbia Baptist church.

KFUO, St. Louis, Mo. (545.1m-550kc), 4 p. m., Shut-in hour, band, male chorus; 9:15, musical program; male octet.

KLDS, Independence, Mo. (440.9m-680kc), 11 a. m., Stone church services; 3 p. m., sacred program; 6:30, vesper service; 9:15, studio service.

KMA, Shenandoah, Iowa (252m-1190kc), 12:15-1:15 p. m., sacred song service; 4, church choir.

KMMJ, Clay Center, Nebr. (228.9m-1310kc), 8:45 p. m., church services.

KMOX, St. Louis, Mo. (280.2m-1070kc), 9 p. m., Skouras Brothers.

KOIL, Council Bluffs, Iowa (277.6m-1080kc), 11 a. m., First Congregational church; 4 p. m., studio program; 7:30, Paramount programs; Monarchs; 11, Hotsy Totsy hour.

KPRC, Houston, Texas (296.9m-1010kc), 10:45 a. m., South Main Baptist church; 7:30 p. m., First Christian church; 9:30, Top O'Houston concert; 11, Texan theater pipe organ concert.

KSD, St. Louis, Mo. (545.1m-550kc), 5:15 p. m., WEAF; 7:15, WEAF.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 11 a. m., Central Methodist church; 9:10-10, New Arlington hotel grand ensemble; 10-11:30, Arkansas Travelers Radio special train.

WADC, Akron, Ohio (258.5m-1160kc), 12:30 p. m., organ recital; 6:30, Carnes Richards Hotel Portage quintet.

WAMD, Minneapolis, Minn. (243.8m-1230kc), 10:30 a. m., First Unitarian church services; 6:15 p. m., dinner concert; 6:45, Arthur Faust and stock company; 9:30, Gayle Wood, pianist.

WBAP, Ft. Worth, Texas (475.9m-630kc), 11 a. m., First Presbyterian church; 12:30 p. m., kiddies' hour; 5-6, sacred concert, Hyer Class orchestra, First Methodist church; 9:30-11, Chief Gonzales' Texas hotel orchestra.

WCAL, Northfield, Minn. (336.9m-890kc), 8:30 a. m., Norwegian church; 9:15, services.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 10:50 a. m., Westminster Presbyterian church; 3 p. m., Bible study; 4:10, House of Hope Presbyterian church; 5:50, Second Church of Christ, Scientist; 7:15, WEAF; 9:35, Municipal organ recital, Hugo Goodwin.

WFAA, Dallas, Texas (475.9m-630kc), 2:30-3:30 p. m., music; 6-7, Bible class, Dr. William M. Anderson; 7-7:30, Cyrus Barcus, cornetist; 7:30-8, Willard B. Muse, tenor; 8-9, First Church of Christ, Scientist; 9-9:30, McDowell Sisters; 11-12 midnight, Amphion male quartet.

WHAS, Louisville, Ky. (399.8m-750kc), 10 a. m., St. Boniface church; 4:30 p. m., First Christian church choir.

WHB, Kansas City, Mo. (365.6m-820kc), 9-10:45 a. m., Linwood Blvd. Christian church; 11:15-12:30 p. m., Independance Blvd. Christian church; 8-9:15, Sixth Church of Christ, Scientist; 11:45-1 a. m., Linwood feature, Morrill Moore, organist; Don Anchors, poet.

WHO, Des Moines, Iowa (526m-570kc), 11 a. m., St. Paul's Episcopal church service; 5-6 p. m., Bankers' Life trio; 7:30-8:15, Fourteenth Calvary band; 11-12 midnight, Bankers' Life Little symphony orchestra.

WNAD, Norman, Okla. (254.1m-1180kc), 9:30 p. m., Earnest Sharpe, vocalist; Helen Rubin, violinist.

WOAI, San Antonio, Texas (394.5m-760kc), 11 a. m., First Presbyterian church; 7:30 p. m., Central Christian church; 9:30, Super-Heterodyne hour of music.

WOAW, Omaha, Nebr. (526m-570kc), 9 a. m., Omaha Gospel tabernacle; 1:30 p. m., classical; 6, Bible study; 9, chapel service.

WOC, Davenport, Iowa (483.6m-620kc), 6:30-7 p. m., Trinity Lutheran church; 7:15, WEAF; 10-11:30, Palmer Little symphony.

WSB, Atlanta, Ga. (428.3m-700kc), 5 p. m., Peachtree Christian church choir; 7:30, First Methodist church.

WSM, Nashville, Tenn. (282.8m-1060kc), 7:30 p. m., services.

WSOE, Milwaukee, Wis. (245.8m-1220kc), 7:30 p. m., M. E. church.

WSUI, Iowa City, Iowa (483.6m-620kc), 9:30 p. m., familiar hymns, Edwin Thomas.

Mountain Standard Time Stations

KFWA, Ogden, Utah (260.7m-1150kc), 4-5 p. m., organ recital; 5-6, Ogden Radio Dealers program.

KFXF, Colorado Springs, Colo. (249.9m-1200kc), 11 a. m., First Presbyterian church; 7:30, First Methodist church.

KOA, Denver, Colo. (322.4m-930kc), 10:55 a. m., First Unitarian society; 5 p. m., Denver College of Music; 7:40, First Unitarian society.

KUOM, Missoula, Mont. (243.8m-1230kc), 9:15 p. m., religious and classical music.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-7:30 p. m., Grebe Synchrophase string ensemble; 7:30-8, popular program; 8-9, Aeolian organ, Dan L. McFarland; 9-10 p. m., Movieland Syncopators; 10-11, Packard Six dance orchestra.

KFON, Long Beach, Calif. (232.4m-1280kc), 6:30-7:30 p. m., Prest & Dean broadcasters; 7:45-9, First Church of Christ, Scientist; 9-10, Burt Pedersen's orchestra.

KFWB, Hollywood, Calif. (252m-1190kc), 9-11 p. m., Warner Brothers Sunday night frolic, Lake Arrowhead dance orchestra.

KGO, Oakland, Calif. (361.2m-830kc), 11 a. m., Trinity Episcopal church; 3:30 p. m., Grace cathedral; 7:15, Trinity Episcopal church.

KGW, Portland, Ore. (491.5m-610kc), 10:25-12 noon, St. Stephens Pro-Cathedral; 7:30-9 p. m., East Side Baptist church; 9-10, concert, Chevrolet symphony orchestra.

KHJ, Los Angeles, Calif. (405.2m-740kc), 4-5 p. m., Masonic service; 7-8, First Methodist Episcopal church service; 8-10, music lovers program, Artland club.

KJR, Seattle, Wash. (384.4m-780kc), 11-12:30 p. m., First M. E. church; 7:15-7:30, organ recital; 7:30-9,

"a Step On the Stairs"

Broadcast as a Play

EPISODE NINE—THE SETTING

THE scene continues in the high-beamed hunt-room. The state troopers, led by Chief Everett of the Portsmouth Narcotic squad, have broken in and taken charge of the situation. Henry Graves is made known in his double role of "Doggy" French, a notorious underworld character. Tolliver emerges from beneath the table with a packet of cocaine which he, when in a stupor, found where the strangers were digging in the hearth. Mary Williams is discovered to have been hidden up on the gun rack where she guarded the exits of the room. The prisoners are counted and inventoried with the result that the body of Peleg Turner is found in a recess of the wall of the room. John Carton explains the secret of the locked, but unlocked, awful front door. The SOS tapping is heard again and discovered to originate from a cupboard in the room. When unlocked, Tommy Mitchell, of the Portsmouth Narcotic squad, reels out, half smothered. Mary Williams admits she locked him in—and the ninth episode opens.

THE CAST

Tommy Mitchell.....Member of Portsmouth Narcotic Squad
Mr. Everett.....Chief of Portsmouth Narcotic Squad
Mary Williams.....A youthful guest
Aunt Helen Holmes.....Relative of Peleg Turner
Hazel Stanton.....A young lady
Maurice Tolliver.....A youth and relative
Captain Cass.....A state trooper
Peleg Turner.....A dead man resurrected

WHERE AND WHEN TO DIAL

KGO, Oakland, Calif. (361.2m-830kc). Ninth episode at 9:45 p. m. Pacific time, Saturday, April 24.

KOA, Denver, Colo. (322.4m-930kc). Ninth episode at 9:40 p. m. Mountain time, Monday, April 26.

WBAP, Fort Worth, Tex. (475.9m-630kc). Fifth episode at 11 p. m. Central time, Thursday, April 29.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc). Ninth episode at 10:05 p. m. Central time, Tuesday, April 27.

WGY, Schenectady, N. Y. (379.5m-790kc). Eighth episode at 7:15 p. m., Eastern time, Friday, April 23. Ninth episode same time, April 30.

WHO, Des Moines, Iowa (526m-570kc). Ninth episode at 2:30 p. m. Central time, Monday, April 26.

WLW, Cincinnati, Ohio (422.3m-710kc). Ninth episode at 8:30 p. m., Central time, Saturday, April 24.

WMAQ, Chicago, Ill. (447.5m-670kc). Ninth episode at 8:55 p. m. Central time, Wednesday, April 21.

WNAC, Boston, Mass. (280.2m-1070kc). Ninth episode at 8:30 p. m. Eastern time, Wednesday, April 21.

WEAN, Providence, R. I. (270.1m-1110kc). Play broadcast by direct wire from WNAC, Boston, on same schedule as WNAC therefore.

WOAW, Omaha, Nebr. (526m-570kc). Ninth episode at 8 p. m. Central time, Saturday, April 24.

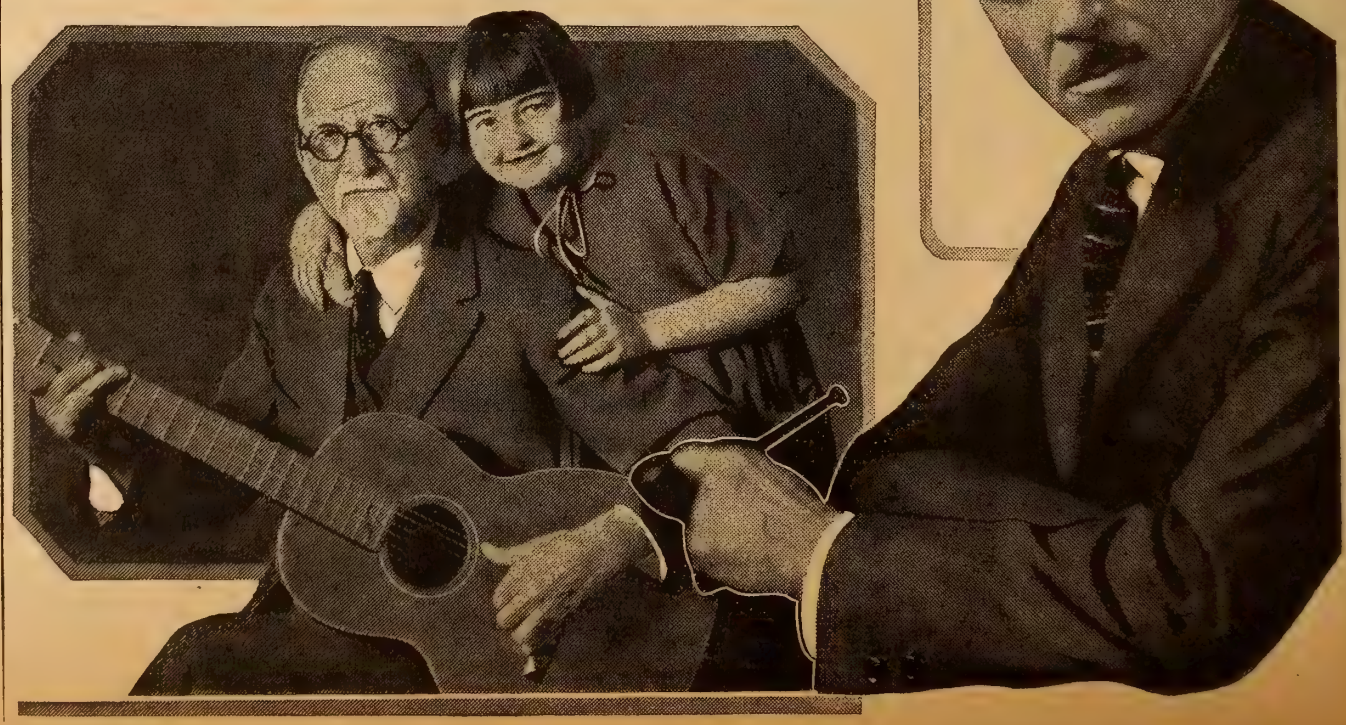
WOC, Davenport, Iowa (483.6m-620kc). Ninth episode at 10:30 p. m. Central time, Friday, April 23.

WOR, Newark, N. J. (405.2m-740kc). Ninth episode at 10:30 p. m. Eastern time, Saturday, April 24.

WRC, Washington, D. C. (468.5m-640kc). Eighth episode at 8:15 p. m. Eastern time, Friday, April 23. Ninth episode same time, April 30.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc). Schedule to be announced over air.

Here is a peppy team popular with the audience of KMA, Shenandoah. J. P. Nye, only 78, assisted by his granddaughter, Mary F. Nye, plays ballads on his guitar. E. J. Reed, right, is shown here in the character of Frederick Ardwyn, attorney and close friend of the late Peleg Turner. Mr. Reed plays this role at KOA, Denver.



CHICAGO SONGSTER STAR OF KPRC

Leone Faust, left, is the leading lady of the players of WAMD, Minneapolis. She is shown here in the costume of Hagar. The group below sounds anything but nonchalant over the microphone of WTAM. The Dixie Banjo trio is one of the best known Cleveland organizations.

Sunday, April 25

First M. E. church; 9-10:30, Puget Sound Savings and Loan association orchestra.

KNX, Hollywood, Calif. (336.9m-890kc), 6:30-7 p. m., Unitarian church service; 8-9, service, First Presbyterian church of Hollywood; 9-10:30, classical program.

KPO, San Francisco, Calif. (428.3m-700kc), 9:45-10:45 a. m., Undenominational and nonsectarian church services; 2-4 p. m., Boys' band; Mary Moutrey, soprano; 5-6, Marshall Giselman, organist; 6-6:30, States Restaurant orchestra; 6:35-8:35, Palace hotel concert orchestra; 8:35-10, Rudy Seiger's Fairmont hotel orchestra.

KPSN, Pasadena, Calif. (315.6m-950kc), 8:45-9:45 p. m., Maryland artists' ensemble.

KTAB, Oakland, Calif. (239.9m-1250kc), 9:45 a. m., Bible lecture, Prof. E. G. Lindsley; 11-12:30, service; 7:45, service; 9:30-11, church.

Monday, April 26

Headliners Today

Eastern	Central	Mountain	Pacific
8 p. m.	7 p. m.	6 p. m.	5 p. m.

WBZ (333.1m-900kc) Playlet, Little Screen players.

8:30 7:30 6:30 5:30

KPRC (296.9m-1010kc) Ruth Patterson, soprano.

9 8 7 6

KDKA (309.1m-970kc) Ruud Light opera.

WHAZ (379.5m-790kc) Collegiate night.

10 9 8 7

KSD (545.1m-550kc) Two-piano recital.

WOOD (241.8m-1240kc) 13th Woodpile.

WGST (270.1m-1110kc) Marionette orchestra.

11 10 9 8

CKY (384.4m-780kc) Old-time music.

KFI (467m-642kc) Classic hour.

11:40 10:40 9:40 8:40

KOA (322.4m-930kc) "A Step On the Stairs," mystery serial.

11:45 10:45 9:45 8:45

KTHS (374.8m-800kc) Harmony twins.

1 a. m. 12 m. 11 10

KGW (491.5m-610kc) Spanish ballroom.

Monday, silent night for: CKAC, CNRA, CNRC, CNRE, CNRM, CNRO, CNRR, CNRT, CNRV, CNRW, KFAU, KFMX, KFWA, KHJ, KPSN, KSAC, KYW, WBBM, WCBD, WEAO, WEBH, WEBJ, WEBW, WENR, WGBF, WGBS, WGES, WGN, WHAS, WHT, WIBO, WIP, WJAZ, WJJD, WLIB, WLS, WMAQ, WMBB, WOAI, WOC, WOK, WORD, WQJ, WRC.

Atlantic or Eastern Daylight Saving Time Stations

WAHG, Richmond Hill, N. Y. (315.6m-954kc), 7:30 p. m., Walter A. Iooss, novelty pianist; Synchrophase hour; 9:15, musical program; 10:02, Helen DeWitt Jacobs, violinist; 10:20, dance orchestra; 12, the Orionites.

WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert, William Penn hotel; 8, studio concert; 9, studio concert; 10, WEAF; 11:05, dance orchestra.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30 p. m., recital, N. Snellenburg and company; 8, Carolyn Thomas, soprano; 8:30, the Hood boys; 8:45, Enright's Gems; 9, the Merry Minstrels; 9:30, E. F. Carregan, the mimic; 9:40, Jackson and Ellis, Radio sweethearts; 10, Madrigal mixed quartet.

WEAF, New York, N. Y. (491.5m-610kc), 4-12 midnight, Marie Stapleton Murray, soprano; Etta Kabram, Pauline Sternlicht, pianists; Earl C. Little, bass; Vincent Lopez and his orchestra; Marie Davis, pianist; A. and P. Gypsies; WEAF Grand Opera company; Ben Bernie and his orchestra.

WEEI, Boston, Mass. (348.6m-860kc), 6:45 p. m., Big Brother club; 7:30, Black Iron Shiners; 8, Poetic Walker; 8:15, musicale; 9, WEAF; 10, Joe Rines and his Hunters' Cabin orchestra.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra.

WGBS, New York, N. Y. (315.6m-950kc), 7 p. m., Rollo Lloyd of "The Bells."

WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., Ganger's Buffalonians; 8, Buffalo State Normal school program; 9, popular program, Wheat's division, General Ice Cream company; 10, Temple Beth Zion choir; 11, Vincent Lopez Hotel Statler dance orchestra.

WHN, New York, N. Y. (361.2m-830kc), 7:30 p. m., Joe Ward's Swanee club; 8:05, Roscland dance orchestra; 8:30, George's surprise; 9:30, Loew's New York orchestra; 10:30, Leroy Smith's orchestra; 11, Cotton club orchestra; 12, Silver Slipper orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin hotel concert orchestra; 7, Uncle Wip's bedtime stories; dancing lessons, Miller Conservatory of Dancing.

WJAR, Providence, R. I. (305.9m-980kc), 7:45 p. m., musicale; 9, WEAF; 10, Grand opera hour.

WJZ, New York, N. Y. (454.3m-660kc), 7 p. m., Hotel Commodore concert orchestra; 7:55, John B. Kennedy; 8, Astor Coffee orchestra; 9, Reading Railroad hour; 10, Moorland hour; 10:45, Waldorf-Astoria dance orchestra.

WLIT, Philadelphia, Pa. (394.5m-760kc), 8:15 p. m., Arcadia concert orchestra; 9, Stanley theater hour of music; 10, Arcadia cafe dance orchestra; 10:30, Knickerbocker theater vaudeville features; 10:45, El Patio dance orchestra.

WLWL, New York, N. Y. (288.3m-1040kc), 8:30 p. m., program begins; 10, study club.

WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Olcott Vail and his Hotel McAlpin string ensemble; 6:30, Ernie Golden and his Hotel McAlpin orchestra; 7, Kurtz Karnival Kings; 9, Hon. William E. Brown, Los Angeles; 10:15, miscellaneous news; 11:30, Jack Denny's orchestra; 12, McAlpin entertainers.

WNYC, New York, N. Y. (526m-570kc), 6:20 p. m., piano selections; 9:30, Richmond Versatile orchestra.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Ritz Carlton dinner dance orchestra; 8, organ recital, Mary E. Vogt; 9, WEAF; 11, Adelphia dance orchestra.

WOR, Newark, N. J. (405.2m-740kc), 6:30 p. m., Jacques Jacobs' Hotel Shelton ensemble; 7:30, Copenhagen quartet; 9:30, Spanish Symphonic ensemble; 10:45, Hofbrau Haus orchestra; 11:15, 5th Avenue club orchestra.

WTAG, Worcester, Mass. (267.7m-1120kc), 8:30-9 p. m., program announced; 9-10, Robin Hood hour of music; 10-11, WEAF.

Eastern Standard or Central Daylight Saving Time Stations

CHIC, Toronto, Can. (356.9m-840kc), 8 p. m., Magic Baking Powder entertainers.

CKNC, Toronto, Can. (356.9m-840kc), 9 p. m., CKNC Little Symphony orchestra; Eveready male quartet.

KDKA, Pittsburgh, Pa. (309.1m-970kc), 6:30 p. m., dinner concert; 9, Ruud Light opera hour.

WABQ, Haverford, Pa. (261m-1150kc), 11 p. m., Ardmore theater program; Horace Hustler, organist; William Stewart, pianist.

WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., dinner program; 7:30-8, Frederick Weaver, organist; recital, Peabody Conservatory of Music; 8-9, Bessie Tamres, soprano; A. Douglas McComas, tenor; William Bell, baritone; 9:10-10, program.

WBZ, Springfield, Mass. (333.1m-900kc), 6 p. m., Hotel Lenox ensemble; 7, Capitol theater orchestra; 7:30, Rene Dagenais, organist; 8, play, Little Screen players; 8:30, Golden Anniversary program, Whiting and Davis company; 9:30, Leo Reisman's Hotel Brunswick orchestra.

WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., Goldkette ensemble; 8-9, studio program.

WEAR, Cleveland, O. (389.4m-770kc), 7 p. m., Allen theater orchestra.

WGHB, Clearwater, Fla. (265.3m-1130kc), 6:30-7:30 p. m., dinner music; 8:30-10, W. K. Powell, baritone; L. W. Joy, pianist; Fred Sampanaro, banjoist; 11:45-1, Rambler, Graham Prince and his orchestra.

WGY, Schenectady, N. Y. (379.5m-790kc), 6:35 p. m., Mary Richards Krause, pianist; WGY orchestra; 8, WGY orchestra.

WHAZ, Troy, N. Y. (379.5m-790kc), 9-12 p. m., students' night program.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Jean Goldkette's Petite symphony orchestra; 7:15, Caspar Lingeman entertainers; 7:45, Goodwill Oakland; 9, Paige and Jewett Sixes; 11:30, Merry Old Chief.

WKRC, Cincinnati, O. (422.3m-710kc), 6 p. m., dinner program, Alvin Roehr and his Hotel Alms orchestra; 9, American Legion program; 12, dance program.

WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., dinner concert, Hotel Gibson, orchestra; 7:30, theatrical feature; 7:40, Hotel Gibson concert; 10, the Crosley Little Symphony orchestra.

WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., dinner concert, Speed-Wagon serenaders; Gold Standard ensemble.

WRVA, Richmond, Va. (256.3m-1170kc), 8:30 p. m., feature program; 9:15, "Persian Garden," Edgeworth Opera company; 10:15, mixed quartet; 11:15, Carry Me Back to Old Virginny.

WSAI, Cincinnati, Ohio (325.9m-920kc), 8 p. m., WEAF; 9, WEAF; 10, musicale.

WTAM, Cleveland, Ohio (389.4m-770kc), 6-7 p. m., Cav Rupp and his Hotel Hollenden orchestra; 8-11, concert program, Cleveland's City band; 11-12, Austin Wylie's Vocalian Recording orchestra; 12-1 a. m., Guy Lombardo and his Royal Canadians.

WTIC, Hartford, Conn. (475.9m-630kc), 6:50 p. m., Hub trio; 8:15, solos, George M. Harvey; 8:30, Capitol theater orchestra; 9, "Patience," Central high school students; 9:30, Hotel Bond dance orchestra; Grand Opera hour; 11, Travelers Symphonic ensemble.

WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7, studio program; 8, A. and P. Gypsies; 9, Detroit News orchestra.

Central Standard Time Stations

CKY, Winnipeg, Can. (384.4m-780kc), 9 p. m., Orchid Florists; 10, old-time music, Roseland dance gardens; 11, revue, Capitol theater.

KFAB, Lincoln, Nebr. (340.7m-880kc), 8:30-10:30 p. m., Queen incubator; Ed Ellingson; Mike Kopac, Olive Fletcher.

KFH, Wichita, Kans. (267.7m-1120kc), 7-8 p. m., ladies' quartet.

KFKU, Lawrence, Kans. (275.1m-1090kc), 7:15 p. m., School of Fine Arts musicale; T. Larremore, soprano; Ethel Hicks, pianist; Esther Buhler, pianist.

KFKX, Hastings, Nebr. (288.3m-1040kc), 5:30 p. m., KDKA; 9, musical program, Kearney State Teachers' college.

KFNF, Shenandoah, Ia. (263m-1140kc), 7 p. m., concert.

KFRU, Columbia, Mo. (499.7m-600kc), 6:15 p. m., dinner music.

KFUO, St. Louis, Mo. (545.1m-550kc), 8 p. m., orchestra, Concordia seminary.

KMA, Shenandoah, Iowa (252m-1190kc), 5:30-7 a. m., alarm clock hour; 6-7 p. m., popular music; 9-11, Farnham trio; How-do-you-do boys.

KMMJ, Clay Center, Nebr. (228.9m-1310kc), 8 p. m., Old Trusty orchestra.

KMOX, St. Louis, Mo. (280.2m-1070kc), 6 p. m., Arthur L. Utt, Mrs. Jacques Landree, organists; 7, Buster Brown; Bill Overbeck, Don Haynes; 8, Armein Mueller, baritone; 9, orchestra; 9:30, half hour with Shakespeare, Father Muntsch, reader; Mrs. Carroll Smith, soloist; 10, A. W. Snyder, accordion; orchestra.

KOIL, Council Bluffs, Ia. (277.6m-1080kc), 6:05 p. m., Mona Motor Oil entertainers; 6:35, Original Collegians; 7:30, The Candy Men program; Glayds Taylor, contralto; Gerald Coen, bass; Clarence Brown, tenor; Mrs. Frank Evans Wright, pianist; J. P. Horan, soprano; 9, Ray Winn and his Paramount orchestra; 10, classical program; 11, Hotsy Totsy hour.

KPRC, Houston, Tex. (296.9m-1010kc), 6:30 p. m., Harold Oxley's Warwick hotel orchestra; 7:30, Ruth Paterson, soprano; Mrs. Jeanette Paterson, accompanist; 7:15, Malon Gunn's dance orchestra; 8:30, Raymond E. Lee, baritone; 9, Humble Oil and Refining company.

KSD, St. Louis, Mo. (545.1m-550kc), 8 p. m., WEAF; 9, two-piano recital, Albert Wegman; 10, glee club.

KSO, Clarinda, Ia. (241.8m-1240kc), 7 p. m., "Remember" program.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10-10 p. m., request night, Meyer Davis artists; 10:10-10:20, Edward Barry, tenor; Ruth Cooper, soprano; Arthur Platz, pianist; 10:20-10:45, Lon Classy, violinist; 10:45-11:10, Hot Springs Harmony Twins; John G. Heyn, pianist; 11:10-12:15 a. m., Lawson Reid, organist.

KUOA, Fayetteville, Ark. (299.8m-1000kc), 8 p. m., Harmony girls, Green Forest High school.

WADC, Akron, Ohio (258.5m-1160kc), 6:30 p. m., Hotel Portage quintet; 1 a. m., India Owls.

WAMD, Minneapolis, Minn. (243.8m-1230kc), 7:01 p. m., Garrick theater symphony orchestra; 7:05, special program, Frank and Ernest; 7:15, string orchestra; 11, Skyrocket frolic.

WBAP, Ft. Worth, Tex. (475.9m-630kc), 7:30-8:30 p. m., Cisco High school choral club; 9:30-11, Ward's Trail Blazers; 11-12:30 a. m., Duncan-Marin orchestra.

WCAL, Northfield, Minn. (336.9m-890kc), 8:30 p. m., program of music by Norwegian composers.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6:15 p. m., dinner concert, St. Paul hotel concert orchestra; 8, University of Minnesota program; 9, classical concert.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., Trianon ensemble; 8-9:30, Paul Evan's orchestra; 11:45-1, Ted Weem's Victor Recording orchestra; Ted Meyn, organist.

WFAA, Dallas, Tex. (475.9m-630kc), 6:30-7:30 p. m., Honey Boys' orchestra; 8:30-9:30, Sears Roebuck Agricultural Foundation program.

WGST, Atlanta, Ga. (270.1m-1110kc), 9-10 p. m., Georgia Tech Marionette orchestra, song hits since 1915.

WHA, Madison, Wis. (535.4m-560kc), 8 p. m., musical program, senior recital, University School of Music.

WHB, Kansas City, Mo. (365.6m-820kc), 7-8 p. m., Sweeney orchestra.

WHO, Des Moines, Ia. (526m-570kc), 7:30-9 p. m., Prof. Paul Stoye, pianist-composer; Joseph Gifford, reader; Myrtle Williams, soprano; Stewart Watson, baritone; 11-12, organ recital, Carlos Meier.

WJAD, Waco, Texas (352.7m-1190kc), 8:30-10 p. m., Mrs. J. T. Guthrie; Schubert choral club.

WNAD, Norman, Okla. (254.1m-1180kc), 7:20-8 p. m., Ada Nye, violinist; Tina Gaylord, violinist; Bernice Gaylord, pianist; Frances Palmer, violinist; Roger Fenn, violin and trumpet soloist; Alice McGee, pianist.

WOAW, Omaha, Nebr. (526m-570kc), 6:20 p. m., popular song period, Frank Peterson, tenor; Helen Higgins, pianist; 6:50, Randall's Royal Fontenelle orchestra; 9, classical.

WOI, Ames, Ia. (270.1m-1110kc), 7:45 p. m., East High school musicale.

WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9-10 p. m., Herman C. Johnson and his Elks band; 10-11, Wood ensemble; Marian Struik, contralto; 11-1, Wild and Wooly Wood Workers' orchestra.

WOS, Jefferson City, Mo. (440.9m-680kc), 8:15 p. m., concert program.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., Woman's college string quintet; 10:15, Vic Myers orchestra.

WSM, Nashville, Tenn. (282.8m-1060kc), 6:30 p. m., Francis Craig's concert orchestra; 8, Vito Pellettieri's orchestra; 10, Mr. and Mrs. Kenneth Rose.

WSOE, Milwaukee, Wis. (245.8m-1220kc), 9 p. m., frolic, Frank Kuhl's Edgewater Beach orchestra.

WSUI, Iowa City, Iowa (483.6m-620kc), 8:30 p. m., Mrs. Preston Coast, organist; William Veseley, trombonist.

Mountain Standard Time Stations

KFWA, Ogden, Utah (260.7m-1150kc), 9-10 p. m., Junior orchestra; 10-11, Paramount theater.

KFXF, Colorado Springs, Colo. (249.9m-1200kc), 9-9:30 p. m., Light opera, Bertha Arnold Knorr, Mary Schnitzuls; 9:30-10, Otto Will, flutist; George Wilson, pianist; Cecil E. Rodgers, tenor; 10-10:15, instrumental trio; 10:15-11, Lon Healy, pianist; Gertrude Bigler, contralto.

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra; 8, pupils, Agnes Clark Glaister, Paul Clarke Stauffer; 9:40, "A Step On the Stairs."

KUOM, Missoula, Mont. (243.8m-1230kc), 8 p. m., vocal, instrumental and ensemble music.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Owen Fallon's Californians; 8-9, classic hour; 9-10, Los Angeles string quartet; 10-11, variety program, Meiklejohn brothers.

KFON, Long Beach, Calif. (232.4m-1280kc), 7-8 p. m., studio program; 8-9, Press-Telegram studio; 9-10, sponsored program; 10-11, The Club orchestra; 11-12, State theater organ.

KFWB, Hollywood, Calif. (252m-1190kc), 6:30-7:30 p. m., Pontiac Six dinner hour; 7:30-8, Friendly Dentists orchestra; 8-9, program, Corduroy Tire Stores, Inc.; 9-10, program, Star Motor company of California; 10-11, Warner Brothers frolic.

EDUCATIONAL FEATURES

Monday, April 26

Eastern	Central	Mountain	Pacific
5:30 p. m.	4:30 p. m.	3:30 p. m.	2:30 p. m.

WNYC (526m-570kc) German lessons, V. H. Berlitz.

6 5 4 3

WEAF (491.5m-610kc) Columbia university lecture.

8 7 6 5

KFKU (275.1m-1090kc) "Appreciation of Music," Prof. C. S. Skilton.

8:15 7:15 6:15 5:15

KDKA (309.1m-970kc) University of Pittsburgh.

8:30 7:30 6:30 5:30

WSUI (483.6m-620kc) College of the Air.

8:40 7:40 6:40 5:40

KFKU (275.1m-1090kc) "How Old Is the Earth?" Dr. R. C. Moore.

9 8 7 6

CKY (384.4m-780kc) U. of Manitoba.

10 9 8 7

KUOM (243.8m-1230kc) U. of Montana

WHAZ (379.5m-790kc) Prof. George Howard Carragan.

12:15 a. m. 11:15 10:15 9:15

KGO (361.2m-830kc) "Character Training as a Crime Preventive," Elizabeth G. Anderson. "Correction of Speech Defects," Mabel S. Gifford.

Tuesday, April 27

Eastern	Central	Mountain	Pacific
6:35 p. m.	5:35 p. m.	4:35 p. m.	3:35 p. m.

WGY (379.5m-790kc) "How Old Is the Earth?" Prof. E. S. C. Smith.

6:45 5:45 4:45 3:45

WTAG (367.7m-1120kc) "Catalyes the Chemical Magician," Prof. D. F. Calhane.

7 6 5 4

WKAR (285.5m-1050kc) Nature study.

7:10 6:10 5:10 4:10

WRC (468.5m-640kc) Radio school of international relations.

7:30 6:30 5:30 4:30

WBZ (333.1m-900kc) Journalism, Edward E. Whiting.

8:15 7:15 6:15 5:15

KDKA (309.1m-970kc) "Historical Anniversaries of 1926," Dr. John W. Oliver.

8:20 7:20 6:20 5:20

WNAD (254.1m-1180kc) "What Is Electricity?" Dr. J. Rud Nielsen.

9 8 7 6

WMAQ (447.5m-670kc) Lecture, University of Chicago.

9:30 8:30 7:30 6:30

WTAG (367.7m-1120kc) Topics from U. S. History, H. Allan Dickie.

10:30 9:30 8:30 7:30

KFMX (336.9m-890kc) History lecture.

11 10 9 8

CNRV (291.1m-1080kc) "Canadian Immigration and Emigration," H. F. Angus.

Wednesday, April 28

Eastern	Central	Mountain	Pacific
5:30 p. m.	4:30 p. m.	3:30 p. m.	2:30 p. m.

WNYC (526m-570kc) Spanish lesson, V. H. Berlitz.

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.

WJZ (454.3m-660kc) New York university course.

6:40 5:40 4:40 3:40

WTAG (267.7m-1120kc) Spanish lesson, Mrs. John De La Parra.

8 7 6 5

WMAQ (447.5m-670kc) Lecture, Northwestern university.

8:15 7:15 6:15 5:15

KDKA (309.1m-970kc) "Science in the Home," C. H. Geister.

8:30 7:30 6:30 5:30

WEAO (293.9m-1020kc) "Some Recent Achievements of Chemistry," Prof. W. L. Evans.

WSUI (483.6m-620kc) College of the Air.

8:40 7:40 6:40 5:40

WNAD (254.1m-1180kc) "Correcting Vocational Misfits," Dr Allan M. Ruggles.

WTIC (475.9m-630kc) "Modern English Drama," Prof. Homer Edwards Woodbridge.

WEAO (293.9m-1020kc) "Optical Illusions," H. D. Minchin.

9:30 8:30 7:30 6:30

WEAO (293.9m-1020kc) "What Does a Professional Engineer Do?" Prof. W. T. Magruder.

KHJ (405.2m-740kc) "Astronomy," Dr. Mars Baumgardt.

10 9 8 7

WSAI (325.9m-920kc) U. of Cincinnati.

Thursday, April 29

Eastern	Central	Mountain	Pacific
7 p. m.	6 p. m.	5 p. m.	4 p. m.

WKAR (285.5m-1050kc) Nature study series.

WSUI (483.6m-620kc) Correspondence courses.

8:40 7:40 6:40 5:40

KFKU (275.1m-1090kc) "Helping the Public Schools of the State," Dr. F. P. O'Brien.

9 8 7 6

CKY (384.4m-780kc) Nature study talk, Prof. V. W. Jackson.

KUOA (299.8m-1000kc) U. of Arkansas.

10 9 8 7

KUOM (243.8m-1230kc) U. of Montana.

Friday, April 30

Eastern	Central	Mountain	Pacific
5:30 p. m.	4:30 p. m.	3:30 p. m.	2:30 p. m.

WNYC (526m-570kc) French lesson.

6 5 4 3

WJZ (454.3m-660kc) New York university course.

6:40 5:40 4:40 3:30

WGY (379.5m-790kc) French lesson.

WTIC (475.9m-630kc) "College from the Inside Out," R. K. Morton.

8:15 7:15 6:15 5:15

KDKA (309.1m-970kc) "The Prevention of Goitre in Infancy and Childhood," Dr. Z. R. Scott.

10:15 9:15 8:15 7:15

WTIC (475.9m-630kc) Cartoon lessons, Bud Kingston.

10:45 9:45 8:45 7:45

KOAC (280.2m-1070kc) "The Age of Reptiles," D. C. Livingston.

RADIO WORLD TO HEAR FAMOUS

CLASSICAL CONCERTS INDEX

Saturday April 24

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.
WCX, WEAF, WMCA, WREO.			
7	6	5	4
KGO, KYW, WEAR, WENR, WMAQ, WOAW, WOK, WRC.			
8	7	6	5
KDKA, KFNF, KOIL, KSD, KYW, WBBR, WGN, WMBB, WNYC, WOAW, WQJ.			
9	8	7	6
KFOA, KPRC, KHJ, KYW, WHAS, WIP, WLW, WORD, WSAI, WSOE.			
10	9	8	7
KNX, KYW, WEAF, WMAQ, WMC, WOAW, WOC, WORD.			
11	10	9	8
KGO.			
12 m	11	10	9
WOAW.			

Sunday, April 25

Eastern	Central	Mountain	Pacific
6:20 p. m.	5:20 p. m.	4:20 p. m.	3:20 p. m.
WCAE, WCAU, WEAF, WEEI, WJAR, WJAZ, WTAG, WWJ.			
8	7	6	5
WAMD, WBZ, WEAR, WCAU, WHAR, WJAZ, WHT, WNYC, WQJ.			
9	8	7	6
KFDM, KPRC, KSD, WBZ, WCBD, WCCO, WEAR, WGY.			
8:15	7:15	6:15	5:15
WEAF chain.			
10	9	8	7
KHJ, KNX, KTHS, KYW, WCCO, WFAA, WOC, WSOE.			
11	10	9	8
KFVE, KHJ, KNX, KPO, KTHS, WKRC, WOC.			
12 m	11	10	9
KHJ, KNX, WOC.			
1 a. m.	12 m	11	10
KNX.			

Monday, April 26

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.
KGO, WCX, WEAF, WOK, WREO, WWJ.			
7	6	5	4
KMA, WBBR, WCCO, WEAF, WEAR, WHAR, WHAD, WHT, WJR, WMBB, WOAW, WTAG.			
8	7	6	5
KFNF, KSD, WBZ, WCX, WLW, WTIC.			
9	8	7	6
KFOA, KGO, KHJ, KPRC, WCCO, WBZ, WHAD, WHO, WLW, WORD, WOS.			
10	9	8	7
KMA, KPO, KPRC, KSD, KTHS, WAMD, WCCO, WHAD, WOAW, WSUI.			
11	10	9	8
KGW, KHJ, KMA, KSD, KTHS, KWSC, WSAI.			
12 m	11	10	9
KGW, WBAP, WSAI.			
1 a. m.	12 m	11	10
KHJ.			

Tuesday, April 27

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.
WBZ, WCX, WREO, WWJ.			
7	6	5	4
KGO, KMA, WEAR, WHAD, WJR, WMAQ, WOAW, WOK, WTIC, WWJ.			
8	7	6	5
KFNF, KSD, KYW, WBZ, WCAE, WCX, WEAR, WHT, WLS, WMBB, WQJ, WRC, WTIC.			
9	8	7	6
KFDM, KFOA, KGO, KHJ, KLDS, KYW, WCAE, WCBD, WCCO, WEAF, WEEI, WGR, WHAS, WJAR, WLW, WMAQ, WOC, WORD, WTAG.			
10	9	8	7
KFAB, KFDM, KFUO, KMA, KNX, KPRC, KTHS, WCAE, WCCO, WEAF, WEAR, WEEI, WLW, WMCA, WOC, WSAI, WSOE, WTAG.			
11	10	9	8
KGO, KHJ, KMA, KYW, WSAI.			
12 m	11	10	9
KPO, KYW, WHO, WMC.			

Wednesday, April 28

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.
WCX, WREO, WWJ.			
7	6	5	4
KGO, WEAR, WHAD, WJR, WMAQ, WOK, WTIC.			
8	7	6	5
KFNF, KPRC, KSD, KYW, WAMD, WBZ, WCX, WEAF, WEEI, WHT, WLW, WMBB, WMCA, WQJ, WTAG, WWJ.			
9	8	7	6
KFOA, KGO, KPRC, KSD, KYW, WBZ, WCCO, WDAF, WEEI, WGR, WHAD, WHAS, WJAR, WMAQ, WOR, WOS, WORD.			
10	9	8	7
KFMX, KMA, KNX, KTHS, WAMD, WCCO, WEAF, WEEI, WGR, WHAD, WJAR, WLS, WMAQ, WNYC, WOC, WSOE.			
11	10	9	8
KGO, KGW, KMA, KPO, KTHS, WCAE, WLS, WLW, WOC, WSAI.			
12 m	11	10	9
KGW, KPO, WHAD, WLW.			
1 a. m.	12 m	11	10
WLW.			

Thursday, April 29

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.
WBZ, WCX, WIP, WREO, WWJ.			
7	6	5	4
KGO, KSD, WEAF, WEAR, WGBS, WHAD, WJR, WMAQ, WOAW, WOK, WWJ.			
8	7	6	5
KYW, WBBR, WBZ, WCAU, WCCO, WCX, WEAR, WEEI, WGR, WGY, WHAR, WHT, WLS, WLW, WMBB, WOAW, WQJ, WTAG, WTIC.			
9	8	7	6
KHJ, KLDS, WBAP, WCAE, WCAU, WCBD, WCCO, WEAF, WEEI, WGR, WHAR, WHAS, WJAR, WJAZ, WNYC, WOC, WORD, WRC, WSAI, WSB, WTAG.			
10	9	8	7
KNX, KPRC, KTHS, KYW, WAMD, WGR, WGY, WHAD, WJAZ, WMC, WOAW, WOC, WSAI.			
11	10	9	8
KGO, KPO, KTHS, WBAP, WJAZ, WKRC.			
12 m	11	10	9
KGW, KPO, WHO, WKRC.			

Friday, April 30

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.
KGO, WCX, WMCA, WREO, WWJ.			
7	6	5	4
KGO, WEBJ, WGY, WHAD, WJR, WMAQ, WOAW, WOK, WOR, WTIC.			
8	7	6	5
KYW, WAHG, WAMD, WBZ, WCAU, WCX, WEBJ, WEEI, WHT, WLS, WQJ, WWJ.			
9	8	7	6
KFDM, KFNF, KFOA, KGO, KHJ, KSD, KYW, WBAP, WBZ, WCAU, WDAF, WEEI, WHAD, WJAR, WMAQ, WMCA, WSAI.			
10	9	8	7
KFAB, KFDM, KOA, WCCO, WHAD, WMAQ,			
11	10	9	8
KFMX, KHJ, KNX, KPO.			
12 m	11	10	9
KPO.			

Monday, April 26

KGO, Oakland, Calif. (361.2m-830kc), 6 p. m., Amphion trio; 8:05, Arion trio; 8:50, Merrymakers dance, Arion trio; 9:15, Joyce Holloway Barthelson, pianist; 9:30, Arion trio.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-9, vocal and instrumental music; 9-10, vocal and instrumental concert; 10-12, Cole McElroy's dance orchestra.

KJR, Seattle, Wash. (384.4m-780kc), 7-8:30 p. m., Sears, Roebuck and company, Mendelssohn trio; 8:30-10, Post Intelligencer studio program.

KLX, Oakland, Calif. (508.2m-590kc), 6:30-7 p. m., Athens Athletic club orchestra; 8-9, Piggly Wiggly company; 9-10:30, Lake Merritt Ducks.

KMTR, Hollywood, Calif. (238m-1260kc), 6-7 p. m., Radio Press Agent, Silver string quintet; 7:30-8, Y. M. C. A. program; 8-10, KMTR concert orchestra, Loren Powell, director; 10-11, Starr Piano company studio.

KNX, Hollywood, Calif. (336.9m-990kc), 6:30-7 p. m., Atwater Kent orchestra; 7-7:30, Mutual Motors mirth contest; 7:30-8, program, Overell's Furniture company; 8-9, L. W. Stockwell company; 9-10, S. G. Stephens Motor company; 10-11, Goodrich Silvertown Cord dance orchestra; 11-12, Ambassador hotel dance orchestra.

KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7 p. m., States Restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel orchestra; 8-9, Palace hotel dance orchestra; 9-10, KFI program; 10-11, Cabiria cafe dance orchestra.

KTAB, Oakland, Calif. (239.9m-1250kc), 8-10 p. m., program.

KWSC, Pullman, Wash. (348.6m-860kc), 7:30-9:30 p. m., Ruth Yorkheimer, pianist; Gladys Fraser, Raymond Howell, pianists.

Tuesday, April 27

Headliners Today

Eastern	Central	Mountain	Pacific
7 p. m.	6 p. m.	5 p. m.	4 p. m.
WGBS (315.6m-950kc) "Casino Gardens."			
7:30	6:30	5:30	4:30
WBZ (333.1m-900kc) Goldost trio.			
8	7	6	5
KFH (267.6m-1120kc), Brewers' Hawaiians.			
8:15	7:15	6:15	5:15
WIP (508.2m-590kc) Schmidt quartet.			
8:30	7:30	6:30	5:30
WHB (365.6m-820kc) Uke songsters.			
11	10	9	8
KGO (361.2m-830kc) Eveready program.			
WOOD (241.8m-1240kc) Salvation Army program.			
WSM (282.8m-1060kc) Frolic.			
11:05	10:05	9:05	8:05
WCCO (416.4m-720kc), "A Step On the Stairs," mystery serial.			
12:10 a. m.	11:10	10:10	9:10
KGO (361.2m-830kc) Hawaiian players.			

Tuesday, silent night for: CFCA, CHIC, CKNC, CNRC, CNRE, CNRM, CNRO, CNRT, CNRW, KFKX, KUOA, KFUO, KFWA, KOA, KOAC, KOB, KOWW, KUOM, KSAC, KTAB, KWSC, WABQ, WAHG, WAIU, WAMD, WBBR, WCAL, WCAP, WEMC, WGCP, WHA, WHAZ, WJAZ, WKAF, WLWL, WMAK, WMAZ, WOI, WOS, WSMB, WSUI, WTAM, WTIC.

Atlantic or Eastern Daylight Saving Time Stations

CNRA, Moncton, Can. (312.3m.960kc), 8 p. m., juvenile program; 9, Masonic vocal quartet; A. Flockhart, pianist; duets, Mr. and Mrs. R. Arkwright; Mason McKay, tenor; 11, orchestra.

WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert, William Penn hotel; 8-11, WEAF; 11:05, Kenyon theater.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:30 p. m., Parodians dance orchestra; 7:30, Snellenburg instrumental trio; 8:10, The Three Brothers; 8:25, recital; 8:45, Charlie Higgins and Joe Burke, songs; 9, Robert Fraser, blind Gospel singer; 9:30, Esther Lawrence and her Players; 10, Eddie Malle and Fanny Dougherty, songs and jests; 10:30, Billy Hayes and his dance orchestra.

WEBJ, New York, N. Y. (272.6m-1100kc), 7 p. m., Bronx Ritz theater ensemble; 7:45, Katherine Connolly, soprano; 8:15, Sigmund Brunslau, tenor; 8:30, Ed Berlin and his Moonglo orchestra.

WEAF, New York, N. Y. (491.5m-610kc), 6 p. m., Hotel Waldorf-Astoria; 7, Marion Cara, soprano; 7:30, Mabelanna Corby and artists; 8, Grand Prize Eurekas, WEEI, WFI, WCAE, KSD, WWJ, WCSH, WSAI, WTAG, WGR, WCCO, WOC, WEAR, WJAR, 8:30, Gold Dust Twins, WEEI, WFI, WCAE, WGR, WWJ, WOC, WCSH, WJAR, WCCO, WLIB, WEAR, KSD; 9, Eveready hour, WEAF, WEEI, WFI, WCAE, WGR, WWJ, WOC, KSD, WJAR, WCCO, WTAG, WGN, WEAR, WSAI; 10, Variety half-hour, WEEI, WGR, WTAG, WCAE, WFI, WWJ, KSD, WEAR, WCSH; 10:30, Vincent Lopez and his orchestra; WEEI, WTAG, WGR, WCAE, WFI, WWJ, KSD, WEAR, WCSH; 11-12, Ross Gorman and his orchestra.

WEEI, Boston, Mass. (348.6m-860kc), 6:10 p. m., popular songs, George Joy and Nell Cantor; 8-11, WEAF.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 8, WEAF; 10:30, Vincent Lopez and his orchestra.

WGBS, New York, N. Y. (315.6m-950kc), 7 p. m., Arrowhead Inn orchestra; 10:30, Arrowhead Inn dance orchestra.

WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., Vincent Lopez Hotel Statler dance orchestra; 8, WEAF.

WHN, New York, N. Y. (361.2m-380kc), 6:30 p. m., Everglades orchestra; 7 p. m., Vincent Lopez Iceland orchestra; 7:30 p. m., Will Oakland's Chateau; 8, Treasureland neighbors; 9, Loew's 83rd St. orchestra; 11, Loew's Lexington organ recital; 11:30, Sophie Tucker's playground; 12 m., Harry Richman and his entertainers.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:15 p. m., Nelson Staples and his S. S. Leviathan orchestra; Helen Barrett, pianist; 8:15, University of Pennsylvania orchestra; 9:15, Schmidt String quartet; 10:30, Little Jack Little; 11, El Patio dance orchestra.

WJAR, Providence, R. I. (305.9m-950kc), 7:30 p. m., musicale; 8-10, WEAF.

WJZ, New York, N. Y. (454.3m-660kc), 7:30 p. m., WRC; 8:30, Deltah Pearl hour, WRC, WGY; 10:45, George Olsen's Hotel Pennsylvania orchestra.

WLIT, Philadelphia, Pa. (394.5m-760kc), 7:30 p. m., Dream Daddy's bedtime stories.

WLWL, New York, N. Y. (288.3m-1040kc), 9 p. m., program begins.

WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Olcott Vail and his Hotel McAlpin string ensemble; 7, Twin Oaks orchestra; 7:30, Sach's Quality boys; 8:30, California Ramblers; 10:15, McAlpin News Editor; 10:30, Tango orchestra; 11, Ernie Golden and his Hotel McAlpin orchestra; 12 m., McAlpin entertainers.

WNYC, New York, N. Y. (526m-570kc), 7:15 p. m., The Canadians.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Sesqui-Centennial concert.

WOR, Newark, N. J. (405.2m-740kc), 6:45 p. m., Hotel Bretton Hall string quartet.

WTAG, Worcester, Mass. (267.7m-1120kc), 8-11 p. m., WEAF.

Eastern Standard or Central Daylight Saving Time Stations

CNRO, Ottawa, Can. (435.8m-688kc), 8 p. m., Chateau Laurier concert orchestra; 9, special program of English music in honor of St. George's Day; J. Baron, tenor; James McIntyre, violinist; Chateau Laurier dance orchestra.

KDKA, Pittsburgh, Pa. (309.1m-970kc), 6:30 p. m., dinner concert; 8:30, sacred song concert, quartet, First Presbyterian church; 11:35, Grand dinner concert.

WBAL's Sunday artist programs are attracti Frank Gittleson, violinist, shown above with gram. The smiling young lady to the left is singer and whistler is Kay Dale, right, w

KYW, Chicago, Ill. (535.4m-560kc), 6 p. m., KDKA; 6:30, Congress hotel dinner music; 8, musical program; Henrietta Nolan, violinist; Eulale Kober, pianist; 10-12, evening at home program.

WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., dinner orchestra; 7:30-8, quartet; 8-9, Celia Brace, violinist; George Bolek, pianist; James Wilkinson, baritone; 9-10, U. S. Naval Academy band.

WBBM, Chicago, Ill. (225.4m-1330kc), 8-12 midnight, Jack Crawford's Alemite orchestra; Tip trio; Howard Osborne's Vanity Fair orchestra.

WBZ, Springfield, Mass. (333.1m-900kc), 6:15 p. m., Hotel Kimball trio; 7, Deerfield Academy glee club; 7:30, Goldosi trio, violin, piano and cello; 8, Movie club; 9, announced; 9:30, announced.

WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., Goldkette ensemble; 10-2, Red Apple club.

WEAO, Columbus, O. (293.9m-1020kc), 7 p. m., University chimes, Allen McManigal; 7:30, Theta Chi fraternity program.

WEAR, Cleveland, O. (389.4m-770kc), 7 p. m., State theater vaudeville music; 8, WEAF; 11, Wormack's Singing syncopators.

WEBH, Chicago, Ill. (370.2m-810kc), 7 p. m., Osborn's orchestra; 8, marimba band; saxophone quintet; saxophone quartet; Kathryn Forbes, soprano; 9-9:15, news; 9:15-10, Uptown theater; Osborne's orchestra; 11-12:30 a. m., Bernard Weber, tenor; Syncopating serenaders.

WENR, Chicago, Ill. (265.3m-1130kc), 6-7 p. m., dinner concert, Rauland-lyric trio, vocal; 8-9, popular program, All-American Pioneers, vocal; 9-10, Moody Bible institute evening hour.

WGHB, Clearwater, Fla. (265.3m-1130kc), 6:30-7:30 p. m., dinner music; 7:30-7:45, Giles W. Quarles; 8:30-9:30, Good Will program; 11:45-1, Ramble, Graham Prince and his orchestra.

WGN, Chicago, Ill., (302.8m-990kc), 6:55-7 p. m., Drake concert ensemble; 8-9, WEAF; 9-10, studio program; 10-10:10, Sam 'n' Henry; 10:10, music; 10:20, play shop; 10:40-11, studio ensemble.

WGY, Schenectady, N. Y. (379.5m-790kc), 6:45 p. m., WRC; 7:30, Deltah half-hour; 8, WGY orchestra; Isabelle Franklin Lenz, soprano ;9, WJZ.

WHT, Chicago, Ill. (399.8m-750kc), 6 p. m., dinner organ recital, Al Carney; 6:40, Grayling's string trio; 6:50, Diamond quartet, Loftis; 9:15 (238m-1260kc), Cinderella cafe orchestra; 9:35 (399.8m-750kc), Kitchen Klenzer entertainers; 9:50, popular song selections; 10, U. S. L. dance music; 12, Pat Barnes.

WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., dinner concert; Chester Newman, baritone; Bernice Taylor, soprano; Charlotte Edwards, contralto; Ruth Flick, reader; Helen Collar, pianist; string trio; 12, jamboree; Ted Fiorito, Dan Russo, Gail Bandell, artists.

WJAZ, Chicago, Ill. (322.4m-930kc), 9 p. m.-1 a. m., Club Chez Pierre.

WJJD, Mooseheart, Ill. (370.2m-810kc), 8-9 p. m., children; 10-11, Garod studio; Rushmore ensemble singers; Palmer House Victorians; 12:30 a. m., Settin' Up hour.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Glover Watson old-time dance orchestra; 8, Tom Bartel's Boys, 9, Jean Goldkette's orchestra.

WKRC, Cincinnati, O. (422.3m-710kc), 10 p. m., organ recital, Eugene Perazzo; 11, Eddie Schoelwer, pianist; 11:15, Ace Brigode and his Virginians; 11:45, Marie Turner, blues and ballads.

WLIB, Chicago, Ill. (302.8m-990kc), 7:30-8 p. m., WEAF; 11-11:20, Correll and Gosden; 11:20-12:30 a. m., studio ensemble, dance music, harmony duos.

WLS, Chicago, Ill. (344.6m-870kc), 6:40 p. m., Maurie Sherman's College Inn orchestra; 7:35, Ralph Emerson, organist.

WLW, Cincinnati, Ohio (422.3m-710kc), 6, p. m., Norrine Gibbons and her girl friend; 6:30, Mary Barbara, "The Sweetheart of Radio"; 7:20, baritone query series, "Pastimes"; 7:30, piano memories, Mary Louise Woseczek; 8, Cincinnati Conservatory of Music string quartet; 8:30, Lyric male quartet; 9, concert program, Formica symphony orchestra.

WMAQ, Chicago, Ill. (447.5m-670kc), 6:30 p. m., Sheetz Hotel La Salle orchestra; 9:20, Credit Men's association.

WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon ensemble; Preston Graves, pianist; Margaret Conrad, violinist; Hilda Hinrichs, cellist; Genevieve Burnham, soprano; 9-11, Woodlawn theater orchestra; Trianon ensemble; Oxford Girls; Harmony duo; Joe Warner, Bob Bennett.

WOK, Chicago, Ill. (217.3m-1380kc), 10-1 a. m., Tearney's Town Club orchestra; Midway Garden orchestra; Pershing Palace orchestra; Capitol theater program.

WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9-10 p. m., Ye Olde Tyme Songe Feste; 10-11, Salvation Army program; 11-12, midnight, Bill Dallavo and his orchestra.

WORD, Batavia, Ill. (275m-1090kc), 7 p. m., program; 9, program; 11, program.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Garden orchestra; 10-1, Rainbo Skylarks; Rose Vanderbosch; Hal Lansing; Bert Davis; Everett George Opie; Ila Snannabrook, soprano; Tell Taylor, tenor; Romo Vincent, boy baritone; Johnny Poat, baritone; 1-2, Ginger hour.

WRC, Washington, D. C. (468.5m-640kc), 7:30 p. m., U. S. Marine band, WJZ, WGY; 8:30, WJZ; 9, music; 10, WJZ; 10:30, Hotel Mayflower orchestra.

WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., dinner concert, Speed-Wagon Serenaders; Gold Standard ensemble; 8:15, Reo Motor Car company band; special musical program, Lansing Conservatory of Music, vocal and instrumental.

WRVA, Richmond, Va. (256.3m-1170kc), 11 p. m., Old South Negro quartet; 11:30, Harold Lawrence, blind pianist; 12-1 a. m., Hotel Richmond dance orchestra.

WSAI, Cincinnati, Ohio (325.9m-920kc), 6 p. m., twilight music; 7, WEAF; 7:30, musicale; 8, WEAF, 9, musicale.

WSWS, Chicago, Ill. (275.8m-1090kc), 6 p. m., twilight hour; 8, James W. Wolfe, baritone; Tennessee Ginger Snaps; 10, male quartet and soloists.

WTAM, Cleveland, O. (389.4m-770kc), 6-7 p. m., dinner music, Guy Lombardo and his Royal Canadians.

WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7, WEAF.

Central Standard Time Stations

CKY, Winnipeg, Can. (384.4m-780kc), 9, French-Canadian concert.

KFAB, Lincoln, Nebr. (340.7m-880kc), 8:05-10:30 p. m., University of Nebraska.

KFH, Wichita, Kans. (267.7m-1120kc), 7-8 p. m., Gage Brewer's Hawaiians, popular program.

KFKX, Hastings, Nebr. (288.3m-1040kc), 5:30 p. m., KDKA.

KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., music.

KFRU, Columbia, Mo. (499.7m-600kc), 6:15 p. m., dinner music.

KFUO, St. Louis, Mo. (545.1m-550kc), 6:30 p. m., a contest.

KLDS, Independence, Mo. (440.9m-680kc), 8 p. m., Mrs. Otto Grasse, contralto; Mrs. Melvin Shearer, organist; Dorothy Colt, violinist; Joyce Andrews, violinist; 11:59, midnight program; Herbert Johnson, boy organist.

KMA, Shenandoah, Ia. (252m-1190kc), 5:30-7 a. m., alarm clock hour; 6-7 p. m., May Flower trio; 9-11, May's Mandolin musicians.

KMOX, St. Louis, Mo. (280.2m-1070kc), 6 p. m., joint organ recital, Arthur L. Utt, Mrs. Jacques Landree; 7, Little Red School House; 8, orchestra; McKendree college glee club; 9, orchestra; 9:30, Madeline Anderson, reader; 10, Colonel 6121.

KOIL, Council Bluffs, Ia. (277.6m-1080kc), 6:35 p. m., Randall's Royal Fontenelle orchestra; 7:30, Ft. Calhoun community band; 11, Hotsy Totsy hour.

KPRC, Houston, Tex. (296.8m-1010kc), 7:38 p. m., or-

OLD INSTRUMENTS THROUGH WIP

ttention of fans country-wide. This Sunday
n, is one of the artists appearing on this pro-
lson, soprano, of WHAD, Milwaukee. Blues
ains at KGW when the Hoot Owls meet.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-7:30 p. m., Chinese Garden orchestra; 7:30-8, popular song program; 8-9, Screen artists quartet; 9-10, variety hour; 10-11, Packard Radio club in popular songs.

KFON, Long Beach, Calif. (232.4m-1280kc), 8-9 p. m., Press-Telegram studio, vaudeville acts; 9-11, Long Beach Aero club frolic.

KFWB, Hollywood, Calif. (352m-1190kc), 6:30-7:30 p. m., Pontiac 6 dinner hour; 8-9, program, Richard Hellman, Inc.; 9, The Little Ant-Man; 9:15-10:15, Patrick-Marsh dance orchestra, Betty Patrick, soloist; 10:15-11, Warner Brothers frolic.

KGO, Oakland, Calif. (361.2m-830kc), 6 p. m., Amphion trio; 8-9, Eveready hour, Eva Gruninger Atkinson, Easton Kent; 9:10-10, Duke Kamoku's Hawaiian players; 10-12, Madson's Midshipmen.

KGW, Portland, Ore. (491.5m-610kc) 6-7 p. m., dinner concert; 10-12, Herman Kenin's dance orchestra; Curt Kramer, pianist.

KHJ, Los Angeles, Calif. (405.2m-740kc), 8-10 p. m., Tower studio deluxe program.

KJR, Seattle, Wash. (384.4m-780kc), 8:30-10 p. m., Puget Sound Savings and Loan association orchestra.

KMTR, Hollywood, Calif. (238m-1260kc), 6-7 p. m., Starr Piano company studio; 7:45, Hollywood community sing; 8:30-10:30, KMTR concert orchestra.

KNX, Hollywood, Calif. (336.9m-890), 6:30-7 p. m., Atwater Kent orchestra; 7-7:45, program, Geo. E. Read, Inc.; 8-9, Globe Ice Cream and Weber bread; 9-10, program, Western Auto Supply program; 10-12, Ambassador hotel dance orchestra.

KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7 p. m., States Restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel orchestra; 8-9, studio program; 9-10, Mona Motor Oil company, trio; harmony team, Gypsy and Marta; 10-11, Palace hotel dance orchestra.

KPSN, Pasadena, Calif. (315.6m-950kc), 8-9 p. m., Adolph Tandler instrumental group.

KTAB, Oakland, Calif. (239.9m-1250kc), 8-10 p. m., Mills college.

Wednesday, April 28

Headliners Today

Eastern	Central	Mountain	Pacific
6:30 p. m.	5:30 p. m.	4:30 p. m.	3:30 p. m.

WBZ (333.1m-900kc) Musical Mirth Makers.

8	7	6	5

WHB (365.6m-820kc) Banjo orchestra.

9	8	7	6

WSAI (325.9m-920kc) Cincinnati accordion club.

9:55	8:55	7:55	6:55

WMAQ (447.5m-670kc), "A Step On the Stairs," mystery serial.

10:10	9:10	8:10	7:10

KTHS (374.8m-800kc) Gems from French composers.

10:15	9:15	8:15	7:15

KOA (322.4m-930kc) Tuesday Musical club.

11	10	9	8

KGO (491.5m-610kc) Infantry band.

12 m.	11	10	9

WSM (282.8m-1060kc) Beethoven string quartet.

Wednesday, silent night for: CHIC, CKAC, CKNC, CNRA, CNRC, CNRE, CNRM, CNRR, CNRT, CNRV, KFAU, KFXF, KGO, KLDS, KMMJ, KOB, KOIL, KPSN, KSAC, KTAB, KUOA, WABQ, WAIU, WBAL, WBAP, WBBR, WCAL, WCBD, WEBW, WFAA, WGBF, WGBS, WGCP, WHAR, WHAZ, WIP, WJAD, WJAZ, WLWL, WMC, WOAI, WOAW, WOI, WPG, WRC, WRR.

Atlantic or Eastern Daylight Saving Time Stations

WAHG, Richmond Hill, N. Y. (315.6m-954kc), 8 p. m., Beatrice Anthony, pianist; 8:15, Serenaders Plectrum quintet; 8:55, Old-Fashioned quartet; 9:30, Alfred H. Wertheim, violinist; Eva Nora Lyon, pianiste; 10:02, John von Aspe, tenor; 10:30, Utopia dance orchestra.

WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert, William Penn hotel; 8-9, WEAF; 9, studio concert; 10, Kramer's orchestra.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30 p. m., recital, N. Snellenburg and company; 8:30, Clarence Seaman and his Hotel Pennsylvania orchestra; 9, recital; 9:25, Ruppert and McCullough, banjoists; 9:45, Maurice Patton, tenor; 10:10, Rogers and Chapman, harp and harmonica; 10:30, Carl Zoehrns and Lou Hirscher, songs; 10:45, Frank Cook, old-time songs; 11, Artie Bittong's Cheer-Up club.

WEBJ, New York, N. Y. (272.6m-1110kc), 7:45 p. m., East Harlem night; 8, Original Cambria serenaders; 8:30, Phil Phillips, Sam Ward; 8:45, Jules de Vorzon, violinist; 9, lecture; 9:15, Robert Soffer, pianologue; 9:30, Al Peaches, Joseph Moglio; 0:45, Original Melville Five.

WEAF, New York, N. Y. (491.5m-610kc), 6 p. m., Rose room; 7, Synagogue service; 7:30, chamber musicale, **WJAR, Shinola Merrymakers and Gentlemen,** 8, Shinola Merrymakers and Gentlemen, Hamilton's orchestra, Johnny Mulaney's Bluejackets.

WJJD, Mooseheart, Ill. (370.2m-810kc), 8-9 p. m., Mooseheart children; 10-11, Isabel Defaut, Simeon Oliver, Palmer House Victorians; 12:30 a. m., Settin' Up hour.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Jean Goldkette's Petite symphony orchestra; 7:45, Goodwill Oakland; 9, Jean Goldkette's orchestra; 11, Murphy Brothers organ; 12, Merry Old Chief, Jewett Radio Jesters.

WKRC, Cincinnati, O. (422.3m-710kc), 6 p. m., dinner music, Alvin Roehr and his Hotel Alms orchestra; 8:15, Winnie Pippin, soprano; Oliver Plunkett, tenor; 9, instrumental quintet, soloist; 12, Wesley Helvey and his orchestra.

WLIB, Chicago, Ill. (302.8m-990kc), 7:30-7:50 p. m., Auld Sandy; 7:50-8, musical program; 11-11:20, Correll and Gosden; 11:20-12:30 a. m., studio ensemble, dance music, harmony duos.

WLS, Chicago, Ill. (344.6m-870kc), 6:40 p. m., Maurie Sherman's College Inn orchestra; 7:30, Ralph Emerson, organist; 8, Kentucky mountain songs, Madame Gilderoy Scott; 8:30, Gilbert Frankau, English author; 9, "The Story of Mozart," WLS trio; 9:30, Fred Frank, baritone; WLS trio; 10, popular music; 11-1, WLS circus.

WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., dinner hour concert, Hotel Gibson; 7:40, Hotel Gibson concert; 10, artists; the Thorobred instrumental trio; 11, Harmonica Bob; 11:15, "Spring Birds," whistling imitations, Donald Bain; 11:30, organ solos, Johanna Grosse.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p .m., Chicago theater organ; 6:30, Sheetz Hotel La Salle orchestra; 8:25, Whitney trio; 8:55, WMAQ players.

WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon duo; 9-11, Trianon orchestra; Woodlawn theater orchestra; Scotty Welch, Madison Sisters.

WOK, Chicago, Ill. (217.3m-1380kc), 10-1:30 p. m., Carl Lorraine's Pershing Palace orchestra; Midway Garden orchestra; Tearney's Town club orchestra; Capitol theater program.

WORD, Batavia, Ill. (275m-1090kc), 7 p. m., program; 9, Webster hotel concert trio; I. B. S. A. choral singers.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Garden orchestra; Kenneth Sterling, baritone; Leo Miller, violinist; Milton Sherman, pianist; 10-1 a. m., Rainbo Skylarks; Melodians; Clarence Theders, tenor; Joe Warner; Oxford Girls; Gail Bandell; 1-2, Ginger hour.

WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., dinner concert, Speed-Wagon serenaders; Gold Standard ensemble.

WRVA, Richmond, Va. (256.3m-1170kc), 8:10 p. m., Masonic Home Boys' band; 9:10, Musicians club program; 10:10, organ recital; 11, Carry Me Back to Old Virginny.

WSAI, Cincinnati, Ohio (325.9m-920kc), 7-9 p. m., WEAF; 9, Cincinnati Accordion club; 10:15, Congress Playing Card string quintet.

WSWS, Chicago, Ill. (275.8m-1090kc), 6 p. m., dinner hour music; 8, ballads; Gus Edwards orchestra; Marion O. Holland, violinist; 10, Gus Edwards' orchestra; Gail Bandel, popular soloist; Yates Brothers; Jack Ford; John Clark.

WTAM, Cleveland, Ohio (389.4m-770kc), 6-7 p. m., Carl Rupp and his Hotel Hollenden orchestra; 8-11, Public Auditorium program; 11-1 a. m., Guy Lombardo and his Royal Canadians dance orchestra.

WTIC, Hartford, Conn. (475.9m-630kc), 6:30 p. m., Bond trio; 8, pupils, Benjamin M. Knox; 9:15, Laura C. Gaudet, pianist; 9:30, Esther A. Nelson, organist.

WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7, WEAF; 7:30, Detroit News orchestra; 8, dance program; 9, WEAF.

Mountain Standard Time Stations

CNRR, Regina, Can. (476m-640kc), 8 p. m., studio program.

KFAU, Boise, Idaho (280m-1070kc), 8-10 p. m., musical program, Ava Brinck.

KFXF, Colorado Springs, Colo. (249.9m-1200kc), 8:30-10 p. m., Yolande Ingle, contralto; Edith Phelps, soprano; Leta Gale, pianist; Gertrude Grimes, reader; Daniel Patrick O'Shea, tenor.

KOA, Denver, Colo. (322.4m-930kc), 8:30 p. m., Brown Palace string orchestra; 8:30, courtesy program; 9:30, J. Moody Dawson, violinist; Louise C. Daniel, accompanist.

KSD, St. Louis, Mo. (545.1m-550kc), 6-9:30 p. m., WEAF.

KSO, Clarinda, Ia. (241.8m-1240kc), 7 p. m., Finley and Hutchings; 8, Snappy Seven.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10-10:15 p. m., Meyer Davis orchestra; 10:15-10:30, Mrs. Charles Caldwell, contralto.

KUOA, Fayetteville, Ark. (299.8m-1000kc), 8 p. m., University orchestra.

WADC, Akron, Ohio (258.5m-1160kc), 6:30 p. m., Hotel Portage quintet; 8, Portage Yellow Cab company; 9, studio program; 10, Times Press Hour.

WBAP, Ft. Worth, Tex. (475.9m-630kc), 7:30-8:30 p. m., vocal and instrumental selections, Music Study club; 9:30-11, concert, Mary Lynn Rollins, pianist and singer.

WCBD, Zion, Ill. (344.6m-870kc), 8 p. m., cornet quartets, mixed quartet; H. Mayfield, soprano; duets, Miss Farrar and Mr. Paxton, Mrs. Mayfield and Mr. Reid; cornet duets, Newcomer and Stewart; Blanche Kesler, reader; Richard Hire, pianist.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6-8 p. m., WEAF; 8, Griggs' Cooper program; 8:30, Northern Pacific program; 10:05, "A Step On the Stairs," mystery serial.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., Trianon ensemble; 11:45-1, Ted Weems' orchestra; Billy Adair's orchestra; Johnnie Campbell's orchestra.

WFAA, Dallas, Tex. (475.9m-630kc), 6:30-7:30 p. m., Jimmy Joy's orchestra; 8:30-9:30, Southern Methodist university; 11-12, Dallas Athletic club orchestra.

WGBF, Evansville, Ind. (236.1m-1270kc), 8 p. m., musical program; 9, Evansville Journal program of music.

WHAS, Louisville, Ky. (399.8m-750kc), 8-9 p. m., Eddie Rosson and his orchestra.

WHB, Kansas City, Mo. (365.6m-820kc), 7-7:45 p. m., organ concert, Morrill Moore, organist; 8-9, ukulele songsters, Sam Martin, Harry Taylor; Mrs. H. Taylor, pianist; 9-10, string quartet, classical music.

WHO, Des Moines, Ia. (526m-570kc), 7:30-8 p. m., Raleigh quintet; 8-9, varied musical program; 11-12, Bankers' Life Corn Sugar orchestra.

WJAD, Waco, Tex. (352.7m-1190kc), 8:30-10 p. m., program, employees of Western Union Telegraph company.

WNAD, Norman, Okla. (254.1m-1180kc), 7:20-8 p. m., Mabel Thompson, vocalist; Harold Gimeno, pianist; Irene Smelser, vocalist; Marcellette Grant, uke soloist; uke and songs, Janis Johnston.

WOAI, San Antonio, Tex. (394.5m-760kc), 8:30 p. m., Gebhardt Mexican players.

WOAW, Omaha, Nebr. (526m-570kc), 6 p. m., Hugo Heyn, xylophonist; 6:50, Ed Myers and his Peony Park orchestra; 9, de luxe program; 10:30, Frank Hodek and his Nightingale orchestra; 12, orchestra.

WOC, Davenport, Ia. (483.6m-620kc), 6-6:30 p. m., WEAF; 6:30-8, WEAF; 9-10, Crescent orchestra.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., Lyon and King deluxe concert; 10:45, entertainment.

WSM, Nashville, Tenn. (282.8m-1060kc), 10 p. m., frolic, Beasley Smith's orchestra; Edward Stockman, baritone.

WSOE, Milwaukee, Wis. (245.8m-1220kc), 8:45 p. m., Peggy Patton; 9, Eva F. Case company.

Central Standard Time Stations

CNRW, Winnipeg, Can. (384.4m-780kc), 7:50 p. m., musical program, Ft. Gary hotel, Irvin Plumm and his orchestra; 8:50, Canadian National Railways' brass band; Jean Bird, soprano; 10, supper-dance program, Irvin A. Plumm and his Ft. Gary hotel orchestra.

KFAB, Lincoln, Nebr. (340.7m-880kc), 8:30-10:30 p. m., Cowbell Boys; Gloomy Gus; Slick Merriam; Belshaw's orchestra.

KFH, Wichita, Kans. (267.7m-1120kc), 7-8 p. m., concert orchestra.

KFKX, Hastings, Nebr. (288.3m-1040kc), 5:30 p. m., KDKA; 9, musical program.

KFMX, Northfield, Minn. (336.9m-890kc), 9-10 p. m., musical program.

KFNF, Shenandoah, Ia. (263m-1140kc), 7 p. m., concert, Henry Field Seed company.

KFRU, Columbia, Mo. (499.7m-600kc), 9-11 p. m., classical musical program.

KFUO, St. Louis, Mo. (545.1m-550kc), 9:15 p. m., orchestra, Concordia seminary.

KMA, Shenandoah, Iowa (252m-1190kc), 5:30-7 a. m., alarm clock hour; 6-7 p. m., popular music; 9-11, Bob and Babe Riddle, Willy Cunningham.

KMOX, St. Louis, Mo. (280.2m-1070kc), 6 p. m., joint organ recital, Arthur L. Utt, Mrs. Jacques Landree; 7, Missouri theater; 8, Illinois Women's college; 9, song cycle; 10, orchestra.

KPRC, Houston, Tex. (296.9m-1010kc), 6:30 p. m., Harold Oxley's Warwick hotel orchestra; 7:30, Skyline studio concert; 7:45, Jack Willrich's orchestra; 8:45, Frank Tilton; 10:30, Vaughan's Virginians.

KSD, St. Louis, Mo. (545.1m-550kc), 6 p. m., WEAF; 6:30, Hotel Statler orchestra; 7, WEAF.

KSO, Clarinda, Ia. (241.8m-1240kc), 7 p. m., Duncan Sisters; 7:30, quartet, M. E. church.

WJAZ, Chicago, Ill. (322.4m-930kc), 6-1 a. m., "Spike"

GENERAL TALKS AND SPEECHES

Saturday April 24

Eastern	Central	Mountain	Pacific
7 p. m.	6 p. m.	5 p. m.	4 p. m.

WDAF (365.6m-820kc) "City or Municipal Engineering," Paul McGeehan.

7:30	6:30	5:30	4:30

WBZ (333.1m-900kc) "An Evening with Emerson," Dr. D. M. Staley.

7:45	6:45	5:45	4:45

WRC (468.5m-640kc) "The Work of Congress."

9	8	7	6

WCCO (416.4m-720kc) "Fireside Philosophies," Rev. Roy L. Smith.

Monday, April 26

Eastern	Central	Mountain	Pacific
7 p. m.	6 p. m.	5 p. m.	4 p. m.

WDAF (365.6m-820kc) Address, Edgar A. Linton.

8	7	6	5

WAHG (315.6m-950kc) Travel talk, Major Dent Atkinson.

8:35	7:35	6:35	5:35

WSM (282.8m-1060kc) American Forest week, R. S. Maddox.

11:25	10:25	9:25	8:25

KGO (361.2m-830kc) "Chats About New Books," Joseph Henry Jackson.

11:50	10:50	9:50	8:50

KGO (361.2m-830kc) "Don't Rock the Boat," Mrs. Thomas G. Winter. Greetings, Mrs. W. R. Alvord.

Tuesday, April 27

Eastern	Central	Mountain	Pacific
8 p. m.	7 p. m.	6 p. m.	5 p. m.

WLW (422.3m-710kc) "Aeronautics, U. S. Air Service."

10	9	8	7

WMAQ (447.5m-670kc) Book talk, Harry Hanson.
WOC (483.6m-620kc) Travel talk.

10:15	9:15	8:15	7:15

KMTR (238m-1260kc) Talk, E. P. Barclay.

10:30	9:30	8:30	7:30

WCCO (416.4m-720kc) "Outdoors in Minnesota."

12 m.	11	10	9

KGO (361.2m-830kc) "Wonders of the Sky," Henry M. Hyde.

Wednesday, April 28

Eastern	Central	Mountain	Pacific
6 p. m.	5 p. m.	4 p. m.	3 p. m.

WGBS (315.6m-950kc) "South African Experience," Major Witten.

8:30	7:30	6:30	5:30

WLW (422.3m-710kc) "The Significance of Forest Restoration," W. S. Sterrett.

10:30	9:30	8:30	7:30

KWSC (348.6m-860kc) Book review, Alice Lindsay Webb.

Thursday, April 29

Eastern	Central	Mountain	Pacific
8 p. m.	7 p. m.	6 p. m.	5 p. m.

KFKU (275.1m-1090kc) "Procedure in the Admissions and Exclusion of Aliens," Prof. A. M. Tollefson.

9:10	8:10	7:10	6:10

WIP (508.2m-590kc) "The Contribution of the Mormon Battalion in Winning the West," Elder B. H. Roberts.

12 n.	11	10	9

KGO (361.2m-830kc) "Wonders of the Sky," Henry M. Hyde.

Friday, April 30

Eastern	Central	Mountain	Pacific
7 p. m.	6 p. m.	5 p. m.	4 p. m.

WOAW (526m-570kc) Music review, Hester Bronson Copper.

7:55	6:55	5:55	4:55

WFAA (475.9m-630kc) "Handling News," John E. King.

8:30	7:30	6:30	5:30

WCAL (336.9m-890kc) Book talk, Dr. George Weida Spohn.

10:30	9:30	8:30	7:30

KHJ (405.2m-740kc) "Civil Aviation and National Defense," W. D. Waterman.

10:30	9:30	8:30	7:30

KHJ (405.2m-740kc) "Romance of Santa Fe Trail," Gladys De Witt.

Eastern Standard or Central Daylight Saving Time Stations

CNRM, Montreal, Canada (410.7m-730kc), 8:30 p. m., Old Tyme Favourites night, Ye Old Tyme Village quartet; Treva Tilley, reader; W. Norris, bass; A. Chapman, tenor.

CNRO, Ottawa, Canada (435.8m-688kc), 8:30 p. m., CNRM program.

KDKA, Pittsburgh, Pa. (309.1m-970kc), 6:30 p. m., dinner concert; 8:30, Mary Redmond, violinist; Gladys Landefeld, soprano; David Ewing, baritone; Adelaine Biddle, accompanist; Franklin Biddle, reader.

KYW, Chicago, Ill. (535.4m-560kc), 6 p. m., KDKA; 6:30-7, dinner concert, Congress hotel; 7:30, half hour of music; 9, concert, Commonwealth Edison company; 10, revue.

WBBM, Chicago, Ill. (225.4m-1330kc), 8-10 p. m., Barber Shop quartet; Billy Spears, tourist bureau; Rudy Winters; 12-2 a. m., Alemito orchestra; Harold Anderson, accordionist; Sy Berg, Bob Witt.

WBZ, Springfield, Mass. (333.1m-900kc), 6:15 p. m., Hotel Lenox ensemble; 6:30, Musical Mirth Makers; 7:30, concert; 8:30, Holyoke hour; 9:30, announced.

WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., Goldkette ensemble; 8-9, studio program.

WEAO, Columbus, O. (293.9m-1020kc), 8:15 p. m., music; 9, music.

WEAR, Cleveland, O. (389.4m-770kc), 7 p. m., Cleveland hotel orchestra.

WEBH, Chicago, Ill. (370.2m-810kc), 7 p. m., Osborn's orchestra; 9-9:15, news flashes; 9:15-10, Frank Bordner, songs; Florence Behrend, soprano; 11-12:30 a. m., Osborn's orchestra; Florence Behrend, Impromptu review; Bernice Follis; Osborn's orchestra; Kay Ronayne.

WENR, Chicago, Ill. (265.3m-1130kc), 6-7 p. m., dinner concert, Rauland-lyric trio; 8-10, popular program, All-American Pioneers, vocal; 12-2 a. m., frolic, popular program.

WGHB, Clearwater, Fla. (255.3m-1130kc), 6:30-7:30 p. m., dinner music; 8:30-9:30, Rex Danzler, tenor; Marion Hoffman, pianist; 11:45-1, Graham Prince and his orchestra.

WGN, Chicago, Ill. (302.8m-990kc), 6:55-7 p. m., Drake concert ensemble, Blackstone string quintet; Music; 8-9, studio program; 10:20, play shop; 10:40-11, studio ensemble.

WGY, Schenectady, N. Y. (379.5m-790kc), 6:35 p. m., Onondaga hotel orchestra, WFBL; 7:30, Eastman theater, WHAM; 8:05, WHAM.

WHT, Chicago, Ill. (399.8m-750kc), 6 p. m., Bernice Taylor, soprano; Hugh Aspinwall; 7:45-9:15, Cinderella cafe orchestra; 9:30, Al Carney and Pat Barnes; 10:05, Ray-O-Vac concert; 11:15, Cinderella cafe orchestra; 11:30, Pat Barnes and Al Carney; 12, Pat Barnes and Al Carney.

WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., dinner program; Charles Champlin, baritone; H. Miller, tenor; 10-12, popular program; Elsie Orr, soprano; Melody Strummers.

RADIO WORLD TO HEAR FAMOUS

CLASS

Saturday

Eastern	Central
6 p. m.	5 p. m.
WCX, WEAF, WMCA,	
7	6
KGO, KYW, WEAR, WOAW, WOK, WRC.	
8	7
KDKA, KFNF, KOIL, WGN, WMBB, WNY	
9	8
KFOA, KPRC, KHJ, WLW, WORD, WSAI	
10	9
KNX, KYW, WEAF, WOC, WORD.	
11	10
KGO.	
12 m	11
WOAW.	

Sunday,

Eastern	Central
6:20 p. m.	5:20 p. m.
WCAE, WCAU, WEAF WTAG, WWJ.	
8	7
WAMD, WBZ, WEAR, WHT, WNYC, WQJ.	
9	8
KFDM, KPRC, KSD, WEAR, WGY.	
8:15	7:15
WEAF chain.	
10	9
KHJ, KNX, KTHS, WOC, WSOE.	
11	10
KFVE, KHJ, KNX, KI	
12 m	11
KHJ, KNX, WOC.	
1 a. m.	12 m
KNX.	

Monday

Eastern	Central
6 p. m.	5 p. m.
KGO, WCX, WEAF, W	
7	6
KMA, WBBR, WCCO, WHAD, WHT, WJR,	
8	7
KFNF, KSD, WBZ, W	
9	8
KFOA, KGO, KHJ, WHAD, WHO, WLW	
10	9
KMA, KPO, KPRC, WCCO, WHAD, WO	
11	10
KGW, KHJ, KMA, KS	
12 m	11
KGW, WBAP, WSAI.	
1 a. m.	12 m
KHJ.	

Tuesday

Eastern	Central
6 p. m.	5 p. m.
WBZ, WCX, WREO,	
7	6
KGO, KMA, WEAR, WOAW, WOK, WTI	
8	7
KFNF, KSD, KYW, WEAR, WHT, WL WTIC.	
9	8
KFDM, KFOA, KG WCAE, WCBD, WC WHAS, WJAR, WL WTAG.	

Monday,

KGO, Oakland, Calif. (361.2m-8 trio; 8:05, Arion trio; 8:50, Merry trio; 9:15, Joyce Holloway Barthelson Arion trio.

KGW, Portland, Ore. (491.5m-610kc), 6- concert; 8-9, vocal and instrumental mu and instrumental concert; 10-12, Cole orchestra.

KJR, Seattle, Wash. (384.4m-780kc), Sears, Roebuck and company, Mendelss 10, Post Intelligencer studio program.

KLX, Oakland, Calif. (508.2m-590kc), Athens Athletic club orchestra; 8-9, company; 9-10:30, Lake Merritt Ducks

KMTR, Hollywood, Calif. (238m-1260kc Radio Press Agent, Silver string quin M. C. A. program; 8-10, KMTR co Loren Powell, director; 10-11, Starr studio.

KNX, Hollywood, Calif. (336.9m-990kc), Atwater Kent orchestra; 7-7:30, Mutua contest; 7:30-8, program, Overell's pany; 8-9, L. W. Stockwell company Stephens Motor company; 10-11, Good Cord dance orchestra; 11-12, Ambassa orchestra.

KPO, San Francisco, Calif. (428.3m-700kc States Restaurant orchestra; 7-7:30, Fairmont hotel orchestra; 8-9, Palace chestra; 9-10, KFI program; 10-11, Ca orchestra.

KTAB, Oakland, Calif. (239.9m-1250kc) program.

KWSC, Pullman, Wash. (348.6m-860kc), Ruth Yorktheimer, pianist; Gladys F Howell, pianists.

Tuesday, April

Headliners Toda

Eastern	Central	Mountain
7 p. m.	6 p. m.	5 p. m.
WGBS (315.6m-950kc) "Casino Garde		
7:30	6:30	5:30
WBZ (333.1m-900kc) Goldosi trio.		
8	7	6 5
KFH (267.6m-1120kc), Brewers' Hawaiians.		
8:15	7:15	6:15 5:15
WIP (508.2m-590kc) Schmidt quartet.		
8:30	7:30	6:30 5:30
WHB (365.6m-820kc) Uke songsters.		
11	10	9 6
KGO (361.2m-830kc) Evercady program.		
WOOD (241.8m-1240kc) Salvation Army program.		
WSM (282.8m-1060kc) Frolic.		
11:05	10:05	9:05 8:05
WCCO (416.4m-720kc), "A Step On the Stairs," mystery serial.		
12:10 a. m.	11:10	10:10 9:10
KGO (361.2m-830kc) Hawaiian players.		

Sophie Tucker's playground; 12 m., Harry Richman and his entertainers.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:15 p. m., Nelson Staples and his S. S. Leviathan orchestra; Helen Barrett, pianist; 8:15, University of Pennsylvania orchestra; 9:15, Schmidt String quartet; 10:30, Little Jack Little; 11, El Patio dance orchestra.

WJAR, Providence, R. I. (305.9m-950kc), 7:30 p. m., musicale; 8-10, WEAF.

WJZ, New York, N. Y. (454.3m-660kc), 7:30 p. m., WRC; 8:30, Deltah Pearl hour, WRC, WGY; 10:45, George Olsen's Hotel Pennsylvania orchestra.

Turner, blues and ballads.

WLIB, Chicago, Ill. (302.8m-990kc), 7:30-8 p. m., WEAF; 11-11:20, Correll and Gosden; 11:20-12:30 a. m., studio ensemble, dance music, harmony duos.

WLS, Chicago, Ill. (344.6m-870kc), 6:40 p. m., Maurie Sherman's College Inn orchestra; 7:35, Ralph Emerson, organist.

WLW, Cincinnati, Ohio (422.3m-710kc), 6, p. m., Norrine Gibbons and her girl friend; 6:30, Mary Barbara, "The Sweetheart of Radio"; 7:20, baritone [illegible]

KMA, Shenandoah, Ia. (252m-1190kc), 5:30-7 a. m., alarm clock hour; 6-7 p. m., May Flower trio; 9-11, May's Mandolin musicians.

KMOX, St. Louis, Mo. (280.2m-1070kc), 6 p. m., joint organ recital, Arthur L. Utt, Mrs. Jacques Landree; 7, Little Red School House; 8, orchestra; McKendree college glee club; 9, orchestra; 9:30, Madeline Anderson, reader; 10, Colonel 6121.

KOIL, Council Bluffs, Ia. (277.6m-1080kc), 6:35 p. m., Randall's Royal Fontenelle orchestra; 7:30, Ft. Calhoun community band; 11, Hotsy Totsy hour.

KPRC, Houston, Tex. (296.8m-1010kc), 7:30 p. m., or-

RADIO WORLD TO HEAR FAMOUS OLD INSTRUMENTS THROUGH WIP

CLASSICAL CONCERTS INDEX

Saturday April 24

Eastern	Central	Mountain	Pacific	Stations
6 p. m.	5 p. m.	4 p. m.	3 p. m.	WCX, WEAF, WMCA, WREO.
7	6	5	4	KGO, KYW, WEAR, WENR, WMAQ, WNYC, WOAW, WOK, WRC.
8	7	6	5	KDKA, KFNF, KOIL, KSD, KYW, WBBR, WGN, WMBB, WNYC, WOAW, WQJ.
9	8	7	6	KFOA, KPRC, KHJ, KYW, WHAS, WIP, WLW, WORD, WSAI, WSOE.
10	9	8	7	KNX, KYW, WEAF, WMAQ, WMC, WOAW, WOC, WORD.
11	10	9	8	KGO
12 m	11	10	9	WOAW.

Sunday, April 25

Eastern	Central	Mountain	Pacific	Stations
6:20 p. m.	5:20 p. m.	4:20 p. m.	3:20 p. m.	WCAE, WCAU, WEAF, WEEI, WJAR, WJAZ, WTAG, WWJ.
8	7	6	5	WAMD, WBZ, WEAR, WCAU, WHAR, WJAZ, WHT, WNYC, WQJ.
9	8	7	6	KFDM, KPRC, KSD, WBZ, WCBD, WCCO, WEAR, WGY
8:15	7:15	6:15	5:15	WEAF chain.
10	9	8	7	KHJ, KNX, KTHS, KYW, WCCO, WFAA, WOC, WSOE
11	10	9	8	KFVE, KHJ, KNX, KPO, KTHS, WKRC, WOC.
12 m	11	10	9	KHJ, KNX, WOC.
1 a. m.	12 m	11	10	KNX.

Monday, April 26

Eastern	Central	Mountain	Pacific	Stations
6 p. m.	5 p. m.	4 p. m.	3 p. m.	KGO, WCX, WEAF, WOK, WREO, WWJ.
7	6	5	4	KMA, WBBR, WCCO, WEAF, WEAR, WHAR, WHAD, WHT, WJR, WMBB, WOAW, WTAG.
8	7	6	5	KFNF, KSD, WBZ, WCX, WLW, WTIC.
9	8	7	6	KFOA, KGO, KHJ, KPRC, WCCO, WBZ, WHAD, WHO, WLW, WORD, WOS.
10	9	8	7	KMA, KPO, KPRC, KSD, KTHS, WAMD, WCCO, WHAD, WOAW, WSUI.
11	10	9	8	KGW, KHJ, KMA, KSD, KTHS, KWSC, WSAI.
12 m	11	10	9	KGW, WBAP, WSAI.
1 a. m.	12 m	11	10	KHJ.

Tuesday, April 27

Eastern	Central	Mountain	Pacific	Stations
6 p. m.	5 p. m.	4 p. m.	3 p. m.	WBZ, WCX, WREO, WWJ.
7	6	5	4	KGO, KMA, WEAR, WHAD, WJR, WMAQ, WOAW, WOK, WTIC, WWJ.
8	7	6	5	KFNF, KSD, KYW, WBZ, WCAE, WCX, WEAR, WHT, WLS, WMBB, WQJ, WRC, WTIC.
9	8	7	6	KFDM, KFOA, KGO, KHJ, KLDS, KYW, WCAE, WCBD, WCCO, WEAF, WEEI, WGR, WHAS, WJAR, WLW, WMAQ, WOC, WORD, WTAG.
10 p. m.	9 p. m.	8 p. m.	7 p. m.	KFAB, KFDM, KFUO, KMA, KNX, KPRC, KTHS, WCAE, WCCO, WEAF, WEAR, WEEI, WLW, WMCA, WOC, WSAI, WSOE, WTAG.
11	10	9	8	KGO, KHJ, KMA, KYW, WSAI.
12 m	11	10	9	KPO, KYW, WHO, WMC.

Wednesday, April 28

Eastern	Central	Mountain	Pacific	Stations
6 p. m.	5 p. m.	4 p. m.	3 p. m.	WCX, WREO, WWJ.
7	6	5	4	KGO, WEAR, WHAD, WJR, WMAQ, WOK, WTIC.
8	7	6	5	KFNF, KPRC, KSD, KYW, WAMD, WBZ, WCX, WEAF, WEEI, WHT, WLW, WMBB, WMCA, WQJ, WTAG, WWJ.
9	8	7	6	KFOA, KGO, KPRC, KSD, KYW, WBZ, WCCO, WDAF, WEEI, WGR, WHAD, WHAS, WJAR, WMAQ, WOR, WOS, WORD.
10	9	8	7	KFMX, KMA, KNX, KTHS, WAMD, WCCO, WEAF, WEEI, WGR, WHAD, WJAR, WLS, WMAQ, WNYC, WOC, WSOE.
11	10	9	8	KGO, KGW, KMA, KPO, KTHS, WCAE, WLS, WLW, WOC, WSAI.
12 m	11	10	9	KGW, KPO, WHAD, WLW.
1 a. m.	12 m	11	10	WLW.

Thursday, April 29

Eastern	Central	Mountain	Pacific	Stations
6 p. m.	5 p. m.	4 p. m.	3 p. m.	WBZ, WCX, WIP, WREO, WWJ.
7	6	5	4	KGO, KSD, WEAF, WEAR, WGBS, WHAD, WJR, WMAQ, WOAW, WOK, WWJ.
8	7	6	5	KYW, WBBR, WBZ, WCAU, WCCO, WCX, WEAR, WEEI, WGR, WGY, WHAR, WHT, WLS, WLW, WMBB, WOAW, WQJ, WTAG, WTIC.
9	8	7	6	KHJ, KLDS, WBAP, WCAE, WCAU, WCBD, WCCO, WEAF, WEEI, WGR, WHAR, WHAS, WJAR, WJAZ, WNYC, WOC, WORD, WRC, WSAI, WSB, WTAG.
10	9	8	7	KNX, KPRC, KTHS, KYW, WAMD, WGR, WGY, WHAD, WJAZ, WMC, WOAW, WOC, WSAI.
11	10	9	8	KGO, KPO, KTHS, WBAP, WJAZ, WKRC.
12 m	11	10	9	KGW, KPO, WHO, WKRC.

Friday, April 30

Eastern	Central	Mountain	Pacific	Stations
6 p. m.	5 p. m.	4 p. m.	3 p. m.	KGO, WCX, WMCA, WREO, WWJ.
7	6	5	4	KGO, WEBJ, WGY, WHAD, WJR, WMAQ, WOAW, WOK, WOR, WTIC.
8	7	6	5	KYW, WAHG, WAMD, WBZ, WCAU, WCX, WEBJ, WEEI, WHT, WLS, WQJ, WWJ.
9	8	7	6	KFDM, KFNF, KFOA, KGO, KHJ, KSD, KYW, WBAP, WBZ, WCAU, WDAF, WEEI, WHAD, WJAR, WMAQ, WMCA, WSAI
10	9	8	7	KFAB, KFDM, KOA, WCCO, WHAD, WMAQ.
11	10	9	8	KFMX, KHJ, KNX, KPO
12 m	11	10	9	KPO.

WLIT, Philadelphia, Pa. (394.5m-760kc), 7:30 p. m., Dream Daddy's bedtime stories.
WLWL, New York, N. Y. (288.3m-1040kc), 9 p. m., program begins.
WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Olcott Vail and his Hotel McAlpin string ensemble; 7, Twin Oaks orchestra; 7:30, Sach's Quality boys; 8:30, California Ramblers; 10:15, McAlpin News Editor; 10:30, Tango' orchestra; 11, Ernie Golden and his Hotel McAlpin orchestra; 12 m., McAlpin entertainers.
WNYC, New York, N. Y. (526m-570kc), 7:15 p. m., The Canadians.
WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Sesqui-Centennial concert.
WOR, Newark, N. J. (405.2m-740kc), 6:45 p. m., Hotel Bretton Hall string quartet.
WTAG, Worcester, Mass. (267.7m-1120kc), 8-11 p. m., WEAF.

Eastern Standard or Central Daylight Saving Time Stations

CNRO, Ottawa, Can. (435.8m-688kc), 8 p. m., Chateau Laurier concert orchestra; 9, special program of English music in honor of St. George's Day: J. Baron, tenor; James McIntyre, violinist; Chateau Laurier dance orchestra.
KDKA, Pittsburgh, Pa. (309.1m-970kc), 6:30 p. m., dinner concert; 8:30, sacred song concert, quartet, First Presbyterian church; 11:35, Grand dinner concert.

WBAL's Sunday artist programs are attracting the attention of fans country-wide. This Sunday Frank Gittleson, violinist, shown above with his violin, is one of the artists appearing on this program. The smiling young lady to the left is Mae Nelson, soprano, of WHAD, Milwaukee. Blues singer and whistler is Kay Dale, right, who entertains at KGW when the Hoot Owls meet.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-7:30 p. m., Chinese Garden orchestra; 7:30-8, popular song program; 8-9, Screen artists quartet; 9-10, variety hour; 10-11, Packard Radio club in popular songs.
KFON, Long Beach, Calif. (232.4m-1280kc), 8-9 p. m., Press-Telegram studio, vaudeville acts; 9-11, Long Beach Aero club frolic.
KFWB, Hollywood, Calif. (352m-1190kc), 6:30-7:30 p. m., Pontiac 6 dinner hour; 8-9, program, Richard Hellman, Inc.; 9, The Little Ant-Man; 9:15-10:15, Patrick-Marsh dance orchestra, Betty Patrick, soloist; 10:15-11, Warner Brothers frolic.
KGO, Oakland, Calif. (361.2m-830kc), 6 p. m., Amphion trio; 8-9, Eveready hour, Eva Gruninger Atkinson, Easton Kent; 9:10-10, Duke Kamoku's Hawaiian players; 10-12, Madson's Midshipmen.
KGW, Portland, Ore. (491.5m-610kc) 6-7 p. m., dinner concert; 10-12, Herman Kenin's dance orchestra; Curt Kramer, pianist.
KHJ, Los Angeles, Calif. (405.2m-740kc), 8-10 p. m., Tower studio deluxe program.
KJR, Seattle, Wash. (384.4m-780kc), 8:30-10 p. m., Puget Sound Savings and Loan association orchestra.
KMTR, Hollywood, Calif. (238m-1260kc), 6-7 p. m., Starr Piano company studio; 7:45, Hollywood community sing; 8:30-10:30, KMTR concert orchestra.
KNX, Hollywood, Calif. (336.9m-890), 6:30-7 p. m., Atwater Kent orchestra; 7-7:45, program, Geo. E. Read, Inc.; 8-9, Globe Ice Cream and Weber bread;

GENERAL TALKS AND SPEECHES

Saturday April 24

Eastern	Central	Mountain	Pacific	
7 p. m.	6 p. m.	5 p. m.	4 p. m.	WDAF (365.6m-820kc) "City or Municipal Engineering," Paul McGeehan.
7:30	6:30	5:30	4:30	WBZ (333.1m-900kc) "An Evening with Emerson," Dr. D. M. Staley.
7:45	6:45	5:45	4:45	WRC (468.5m-640kc) "The Work of Congress"
9	8	7	6	WCCO (416.4m-720kc) "Fireside Philosophies," Rev. Roy L. Smith

Monday, April 26

Eastern	Central	Mountain	Pacific	
7 p. m.	6 p. m.	5 p. m.	4 p. m.	WDAF (365.6m-820kc) Address, Edgar A. Linton.
8	7	6	5	WAHG (315.6m-950kc) Travel talk, Major Dent Atkinson.
8:35	7:35	6:35	5:35	WSM (282.8m-1060kc) American Forest week, R. S. Maddox.
11:25	10:25	9:25	8:25	KGO (361.2m-830kc) "Chats About New Books," Joseph Henry Jackson.
11:50	10:50	9:50	8:50	KGO (361.2m-830kc) "Don't Rock the Boat," Mrs. Thomas G. Winter. Greetings, Mrs. W. R. Alvord.

Tuesday, April 27

Eastern	Central	Mountain	Pacific	
8 p. m.	7 p. m.	6 p. m.	5 p. m.	WLW (422.3m-710kc) "Aeronautics, U. S. Air Service."
10	9	8	7	WMAQ (447.5m-670kc) Book talk, Harry Hansen.
				WOC (483.6m-620kc) Travel talk
10:15	9:15	8:15	7:15	KMTR (238m-1260kc) Talk, E. P. Barclay.
10:30	9:30	8:30	7:30	WCCO (416.4m-720kc) "Outdoors in Minnesota."
12 m.	11	10	9	KGO (361.2m-830kc) "Wonders of the Sky," Henry M. Hyde.

Wednesday, April 28

Eastern	Central	Mountain	Pacific	
6 p. m.	5 p. m.	4 p. m.	3 p. m.	WGBS (315.6m-950kc) "South African Experience," Major Witten.
8:30	7:30	6:30	5:30	WLW (422.3m-710kc) "The Significance of Forest Restoration," W. S. Sterrett.
10:30	9:30	8:30	7:30	KWSC (348.6m-860kc) Book review, Alice Lindsay Webb.

Thursday, April 29

Eastern	Central	Mountain	Pacific	
8 p. m.	7 p. m.	6 p. m.	5 p. m.	KFKU (275.1m-1090kc) "Procedure in the Admissions and Exclusion of Aliens," Prof. A. M. Tollefson.
9:10	8:10	7:10	6:10	WIP (508.2m-590kc) "The Contribution of the Mormon Battalion in Winning the West," Elder B. H. Roberts.
12 n.	11	10	9	KGO (361.2m-830kc) "Wonders of the Sky," Henry M. Hyde.

Friday, April 30

Eastern	Central	Mountain	Pacific	
7 p. m.	6 p. m.	5 p. m.	4 p. m.	WOAW (526m-570kc) Music review, Hester Bronson Copper.
7:55	6:55	5:55	4:55	WFAA (475.9m-630kc) "Handling News," John E. King.
8:30	7:30	6:30	5:30	WCAL (336.9m-890kc) Book talk, Dr. George Weida Spohn.
10:30	9:30	8:30	7:30	KHJ (405.2m-740kc) "Civil Aviation and National Defense," W. D. Waterman.
10:30	9:30	8:30	7:30	KHJ (405.2m-740kc) "Romance of Santa Fe Trail," Gladys De Witt.

Monday, April 26

KGO, Oakland, Calif. (361.2m-830kc), 6 p. m., Amphion trio; 8:05, Arion trio; 8:50, Merrymakers dance, Arion trio; 9:15, Joyce Holloway Barthelson, pianist; 9:30, Arion trio.
KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-9, vocal and instrumental music; 9-10, vocal and instrumental concert; 10-12, Cole McElroy's dance orchestra.
KJR, Seattle, Wash. (384.4m-780kc), 7-8:30 p. m., Sears, Roebuck and company, Mendelssohn trio; 8:30-10, Post Intelligencer studio program
KLX, Oakland, Calif. (508.2m-590kc), 6:30-7 p. m., Athens Athletic club orchestra; 8-9, Piggly Wiggly company; 9-10:30, Lake Merritt Ducks.
KMTR, Hollywood, Calif. (238m-1260kc), 6-7 p. m., Radio Press Agent, Silver string quintet; 7:30-8, Y. M. C. A. program; 8-10, KMTR concert orchestra, Loren Powell, director; 10-11, Starr Piano company studio.
KNX, Hollywood, Calif. (336.9m-890kc), 6:30-7 p. m., Atwater Kent orchestra; 7-7:30, Mutual Motors mirth contest; 7:30-8, program, Overell's Furniture company; 8-9, L. W. Stockwell company; 9-10, S. G. Stephens Motor company; 10-11, Goodrich Silvertown Cord dance orchestra; 11-12, Ambassador hotel dance orchestra.
KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7 p. m., States Restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel orchestra; 8-9, Palace hotel dance orchestra; 9-10, KFI program; 10-11, Cabiria cafe dance orchestra.
KTAB, Oakland, Calif. (239.9m-1250kc), 8-10 p. m., program
KWSC, Pullman, Wash. (348.6m-860kc), 7:30-9:30 p. m., Ruth Yorktheimer, pianist; Gladys Fraser, Raymond Howell, pianists.

Tuesday, April 27

Headliners Today

Eastern	Central	Mountain	Pacific	
7 p. m.	6 p. m.	5 p. m.	4 p. m.	WGBS (315.6m-950kc) "Casino Gardens."
7:30	6:30	5:30	4:30	WBZ (333.1m-900kc) Goldosi trio.
8	7	6	5	KFH (267.6m-1120kc), Brewer's Hawaiians.
8:15	7:15	6:15	5:15	WIP (508.2m-590kc) Schmidt quartet.
8:30	7:30	6:30	5:30	WHB (365.6m-820kc) Uke songsters.
11	10	9	8	KGO (361.2m-830kc) Eveready program.
				WOOD (241.8m-1240kc) Salvation Army program.
				WSM (282.8m-1060kc) Frolic.
11:05	10:05	9:05	8:05	WCCO (416.4m-720kc), "A Step On the Stairs," mystery serial.
12:10 a. m.	11:10	10:10	9:10	KGO (361.2m-830kc) Hawaiian players.

Tuesday, silent night for: CFCA, CHIC, CKNC, CNRC, CNRE, CNRM, CNRO, CNRT, CNRW, KFKX, KUOA, KFUO, KFWA, KOA, KOAC, KOB, KOWW, KUOM, KSAC, KTAB, KWSC, WABQ, WAHG, WAIU, WAMD, WBBR, WCAL, WCAP, WEMC, WGCP, WHA, WHAZ, WJAZ, WKAF, WLWL, WMAK, WMAZ, WOI, WOS, WSMB, WSUI, WTAM, WTIC.

Atlantic or Eastern Daylight Saving Time Stations

CNRA, Moncton, Can. (312.3m-960kc), 8 p. m., juvenile program; 9, Masonic vocal quartet; A. Flockhart, pianist; duets, Mr. and Mrs. R. Arkwright; Mason McKay, tenor; 11, orchestra.
WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert, William Penn hotel; 8-11, WEAF; 11:05, Kenyon theater.
WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:30 p. m., Parodians dance orchestra; 7:30, Snellenburg instrumental trio; 8:10, The Three Brothers; 8:25, recital; 8:45, Charlie Higgins and Joe Burke, songs; 9, Robert Fraser, blind Gospel singer; 9:30, Esther Lawrence and her Players; 10, Eddie Malle and Fanny Dougherty, songs and jests; 10:30, Billy Hayes and his dance orchestra.
WEBJ, New York, N. Y. (272.6m-1100kc), 7 p. m., Bronx Ritz theater ensemble; 7:45, Katherine Connolly, soprano; 8:15, Sigmund Brunstan, tenor; 8:30, Ed Berlin and his Moonglo orchestra.
WEAF, New York, N. Y. (491.5m-610kc), 6 p. m., Hotel Waldorf-Astoria; 7, Marion Cara, soprano; 7:30, Mabelanna Corby and artists; 8, Grand Prize Eurekas, WEEI, WFI, WCAE, KSD, WWJ, WCSH, WSAI, WTAG, WGR, WCCO, WOC, WEAR, WJAR; 8:30, Gold Dust Twins, WEEI, WFI, WCAE, WGR, WWJ, WOC, WCSH, WJAR, WCCO, WLIB, WEAR, KSD; 9, Eveready hour, WEAF, WEEI, WFI, WCAE, WGR, WWJ, WOC, KSD, WJAR, WCCO, WTAG, WGN, WEAR, WSAI; 10, Variety half-hour, WEEI, WGR, WTAG, WCAE, WFI, WWJ, KSD, WEAR, WCSH; 10:30, Vincent Lopez and his orchestra; WEEI, WTAG, WGR, WCAE, WFI, WWJ, KSD, WEAR, WCSH; 11-12, Ross Gorman and his orchestra
WEEI, Boston, Mass. (348.6m-860kc), 6:10 p. m., popular songs, George Joy and Nell Cantor; 8-11, WEAF.
WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 8, WEAF; 10:30, Vincent Lopez and his orchestra.
WGBS, New York, N. Y. (315.6m-950kc), 7 p. m., Arrowhead Inn orchestra; 10:30, Arrowhead Inn dance orchestra.
WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., Vincent Lopez Hotel Statler dance orchestra; 8, WEAF
WHN, New York, N. Y. (361.2m-380kc), 6:30 p. m., Everglades orchestra; 7 p. m., Vincent Lopez Iceland orchestra; 7:30 p. m., Will Oakland's Chateau; 8, Treasureland neighbors; 9, Loew's 83rd St. orchestra; 11, Loew's Lexington organ recital; 11:30, Sophie Tucker's playground; 12 m., Harry Richman and his entertainers.
WIP, Philadelphia, Pa. (508.2m-590kc), 6:15 p. m., Nelson Staples and his S. S. Leviathan orchestra; Helen Barrett, pianist; 8:15, University of Pennsylvania orchestra; 9:15, Schmidt String quartet; 10:30, Little Jack Little; 11, El Patio dance orchestra.
WJAR, Providence, R. I. (305.9m-950kc), 7:30 p. m., musicale; 8-10, WEAF.
WJZ, New York, N. Y. (454.3m-660kc), 7:30 p. m., WRC; 8:30, Deltah Pearl hour, WRC, WGY; 10:45, George Olsen's Hotel Pennsylvania orchestra.

KYW, Chicago, Ill. (535.4m-560kc), 6 p. m., KDKA; 6:30, Congress hotel dinner music; 8, musical program; Henrietta Nolan, violinist; Eulale Kober, pianist; 10-12, evening at home program.
WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., dinner orchestra; 7:30-8, quartet; 8-9, Celia Brace, violinist; George Bolek, pianist; James Wilkinson, baritone; 9-10, U. S. Naval Academy band.
WBBM, Chicago, Ill. (225.4m-1330kc), 8-12 midnight, Jack Crawford's Alemite orchestra; Tip trio; Howard Osborne's Vanity Fair orchestra.
WBZ, Springfield, Mass. (333.1m-900kc), 6:15 p. m., Hotel Kimball trio; 7, Deerfield Academy glee club; 7:30, Goldosi trio, violin, piano and cello; 8, Movie club; 9, announced; 9:30, announced.
WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., Goldkette ensemble; 10-2, Red Apple club.
WEAO, Columbus, O. (293.9m-1020kc), 7 p. m., University chimes, Allen McManigal; 7:30, Theta Chi fraternity program.
WEAR, Cleveland, O. (389.4m-770kc), 7 p. m., State theater vaudeville music; 8, WEAF; 11, Wormack's Singing syncopators.
WEBH, Chicago, Ill. (370.2m-810kc), 7 p. m., Osborn's orchestra; 8, marimba band; saxophone quintet; saxophone quartet; Kathryn Forbes, soprano; 9-9:15, news; 9:15-10, Uptown theater; Osborne's orchestra; 11-12:30 a. m., Bernard Weber, tenor; Syncopating serenaders.
WENR, Chicago, Ill. (265.3m-1130kc), 6-7 p. m., dinner concert, Rauland-lyric trio, vocal; 8-9, popular program, All-American Pioneers, vocal; 9-10, Moody Bible institute evening hour.
WGHB, Clearwater, Fla. (265.3m-1130kc), 6:30-7:30 p. m., dinner music; 7:30-7:45, Giles W. Quarles; 8:30-9:30, Good Will program; 11:15-1, Ramble, Graham Prince and his orchestra
WGN, Chicago, Ill. (302.8m-990kc), 6:55-7 p. m., Drake concert ensemble; 8-9, WEAF; 9-10, studio program; 10-10:10, Sam 'n' Henry; 10:10, music; 10:20, play shop; 10:40-11, studio ensemble.
WGY, Schenectady, N. Y. (379.5m-790kc), 6:45 p. m., WRC; 7:30, Deltah half-hour; 8, WGY orchestra; Isabelle Franklin Lenz, soprano; 9, WJZ.
WHT, Chicago, Ill. (399.8m-750kc), 6 p. m., dinner organ recital, Al Carney; 6:40, Grayling's string trio; 6:50, Diamond quartet, Loftis; 9:15 (238m-1260kc) Cinderella cafe orchestra; 9:35 (399.8m-750kc) Kitchen Klenzer entertainers; 9:50, popular song selections; 10, U. S. L. dance music; 12, Pat Barnes.
WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., dinner concert; Chester Newman, baritone; Bernice Taylor, soprano; Charlotte Edwards, contralto; Ruth Flick, reader; Helen Collar, pianist; string trio; 12 jamboree; Ted Fiorito, Dan Russo, Gail Bandell, artists.
WJAZ, Chicago, Ill. (322.4m-930kc), 9 p. m.-1 a. m., Club Chez Pierre.
WJJD, Mooseheart, Ill. (370.2m-810kc), 8-9 p. m., children; 10-11, Garod studio; Rushmore ensemble singers; Palmer House Victorians; 12:30 a. m., Settin' Up hour.
WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Glover Watson old time dance orchestra; 8, Tom Bartel's Boys; 9, Jean Goldkette's orchestra.
WKRC, Cincinnati, O. (422.3m-710kc), 10 p. m., organ recital, Eugene Perazzo; 11, Eddie Schoelwer, pianist; 11:15, Ace Brigode and his Virginians; 11:45, Marie Turner, blues and ballads.
WLIB, Chicago, Ill. (302.8m-990kc), 7:30-8 p. m., WEAF; 11-11:20, Correll and Gosden; 11:20-12:30 a. m., studio ensemble, dance music, harmony duos.
WLS, Chicago, Ill. (344.6m-870kc), 6:10 p. m., Maurie Sherman's College Inn orchestra; 7:55, Ralph Emerson, organist.
WLW, Cincinnati, Ohio (422.3m-710kc), 6 p. m., Norrine Gibbons and her girl friend; 6:30, Mary Barbara, "The Sweetheart of Radio"; 7:20, baritone opera series, "Pagliacci"; 7:30, piano memories, Mary Louise Woszczek; 8, Cincinnati Conservatory of Music string quartet; 8:30, Lyric male quartet; 9, concert program, Formica symphony orchestra.
WMAQ, Chicago, Ill. (447.5m-670kc), 6:30 p. m., Sheetz Hotel La Salle orchestra; 9:20, Credit Men's association.
WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon ensemble; Preston Graves, pianist; Margaret Conrad, violinist; Hilda Hinrichs, cellist; Genevieve Burnham, soprano; 9-11, Woodlawn theater orchestra; Trianon ensemble; Oxford Girls; Harmony duo; Joe Warner, Bob Bennett.
WOK, Chicago, Ill. (217.3m-1380kc), 10-1 a. m., Tearney's Town Club orchestra; Midway Garden orchestra; Pershing Palace orchestra; Capitol theater program.
WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9-10 p. m., Ye Olde Tyme Songe Feste; 10-11, Salvation Army program; 11-12, midnight, Bill Dallavo and his orchestra.
WORD, Batavia, Ill. (275m-1090kc), 7 p. m., program; 9, program; 11, program.
WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Garden orchestra; 10-1, Rainbo Skylarks, Rose Vanderbosch; Hal Lansing; Bert Davis; Everett George Opie; Ila Shannabrook, soprano; Tell Taylor, tenor; Romo Vincent, boy baritone; Johnny Poat, baritone; 1-2, Ginger hour.
WRC, Washington, D. C. (468.5m-640kc), 7-30 p. m., U. S. Marine band, WJZ, WGY; 8:30, WJZ; 9, music; 10, WJZ; 10:30, Hotel Mayflower orchestra.
WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., dinner concert, Speed-Wagon Serenaders; Gold Standard ensemble; 8:15, Reo Motor Car company band; special musical program, Lansing Conservatory of Music, vocal and instrumental.
WRVA, Richmond, Va. (256.3m-1170kc), 11 p. m., Old South Negro quartet; 11:30, Harold Lawrence, blind pianist; 12-1 a. m., Hotel Richmond dance orchestra.
WSAI, Cincinnati, Ohio (325.9m-920kc), 6 p. m., twilight music; 7, WEAF; 7:30, musicale; 8, WEAF, 9, musicale.
WSWS, Chicago, Ill. (275.8m-1090kc), 6 p. m., twilight hour; 8, James W. Wolfe, baritone; Tennessee Ginger Snaps; 10, male quartet and soloists.
WTAM, Cleveland, O. (389.4m-770kc), 6-7 p. m., dinner music, Guy Lombardo and his Royal Canadians.
WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7, WEAF.

Central Standard Time Stations

CKY, Winnipeg, Can. (384.4m-780kc), 9, French-Canadian concert.
KFAB, Lincoln, Nebr. (340.7m-880kc), 8:05-10:30 p. m., University of Nebraska.
KFH, Wichita, Kans. (267.7m-1120kc), 7-8 p. m., Gage Brewer's Hawaiians, popular program.
KFKX, Hastings, Nebr. (288.3m-1040kc), 5:30 p. m., KDKA
KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., music.
KFRU, Columbia, Mo. (499.7m-600kc), 6:15 p. m., dinner music.
KFUO, St. Louis, Mo. (545.1m-550kc), 6:30 p. m., a contest.
KLDS, Independence, Mo. (440.9m-680kc), 8 p. m., Mrs. Otto Grasse, contralto; Mrs. Melvin Shearer, organist; Dorothy Coll, violinist; Joyce Andrews, violinist; 11:59, midnight program; Herbert Johnson, boy organist.
KMA, Shenandoah, Ia. (252m-1190kc), 5:30-7 a. m., alarm clock hour; 6-7 p. m., May Flower trio; 9-11, May's Mandolin musicians.
KMOX, St. Louis, Mo. (280.2m-1070kc), 6 p. m., joint organ recital, Arthur L. Utt, Mrs. Jacques Landree; 7, Little Red School House; 8, orchestra; McKendree college glee club; 9, orchestra; 9:30, Madeline Anderson, reader; 10, Colonel 6121.
KOIL, Council Bluffs, Ia. (277.6m-1080kc), 6:35 p. m., Randall's Royal Fontenelle orchestra; 7:30, Ft. Calhoun community band; 11, Hotsy Totsy hour.
KPRC, Houston, Tex. (296.9m-1010kc), 7:30 p. m., orchestra; 8:30, courtesy program; 9:30, J. Moody Dawson, violinist; Louise C. Daniel, accompanist.
KSD, St. Louis, Mo. (545.1m-550kc), 6-9:30 p. m., WEAF.
KSO, Clarinda, Ia. (241.8m-1240kc), 7 p. m., Finley and Hutchings; 8, Snappy Seven.
KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10-10:15 p. m., Meyer Davis orchestra; 10:15-10:30, Mrs. Charles Caldwell, contralto.
KUOA, Fayetteville, Ark. (299.8m-1000kc), 8 p. m., University orchestra.
WADC, Akron, Ohio (258.5m-1160kc), 6:30 p. m., Hotel Portage quintet; 8, Portage Yellow Cab company; 9, studio program; 10, Times Press Hour.
WBAP, Ft. Worth, Tex. (475.9m-630kc), 7:30-8:30 p. m., vocal and instrumental selections, Music Study club; 9:30-11, concert, Mary Lynn Rollins, pianist and singer.
WCBD, Zion, Ill. (344.6m-870kc), 8 p. m., cornet quartets, mixed quartet; H. Mayfield, soprano; duets, Miss Farrar and Mr. Paxton, Mrs. Mayfield and Mr. Reid; cornet duets, Newcomer and Stewart; Blanche Kesler, reader; Richard Hire, pianist.
WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6-8 p. m., WEAF; 8, Griggs' Cooper program; 8:30, Northern Pacific program; 10:05, "A Step On the Stairs," mystery serial.
WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., Trianon ensemble; 11:45-1, Ted Weems' orchestra; Billy Adair's orchestra; Johnnie Campbell's orchestra.
WFAA, Dallas, Tex. (475.9m-630kc), 6:30-7:30 p. m., Jimmy Joy's orchestra; 8:30-9:30, Southern Methodist university; 11-12, Dallas Athletic club orchestra.
WGBF, Evansville, Ind. (236.1m-1270kc), 8 p. m., musical program; 9, Evansville Journal program of music.
WHAS, Louisville, Ky. (399.8m-750kc), 8-9 p. m., Eddie Rosson and his orchestra.
WHB, Kansas City, Mo. (365.6m-820kc), 7-7:45 p. m., organ concert, Morrill Moore, organist; 8-9, ukulele songsters, Sam Martin, Harry Taylor; Mrs. H. Taylor, pianist; 9-10, string quartet, classical music.
WHO, Des Moines, Ia. (526m-570kc), 7:30-8 p. m., Raleigh quintet; 8-9, varied musical program; 11-12, Bankers' Life Corn Sugar orchestra.
WJAD, Waco, Tex. (352.7m-1190kc), 8:30-10 p. m., program, employees of Western Union Telegraph company.
WNAD, Norman, Okla. (254.1m-1180kc), 7:20-8 p. m., Mabel Thompson, vocalist; Harold Gimeno, pianist; Irene Smelser, vocalist; Marcellette Grant, uke soloist; uke and songs, Janis Johnston.
WOAI, San Antonio, Tex. (394.5m-760kc), 8:30 p. m., Gebhardt Mexican players.
WOAW, Omaha, Nebr. (526m-570kc), 6 p. m., Hugo Heyn, xylophonist; 6:50, Ed Myers and his Peony Park orchestra; 9, de luxe program; 10:30, Frank Hodek and his Nightingale orchestra; 12, orchestra.
WOC, Davenport, Ia. (483.6m-620kc), 6-6:30 p. m., WEAF; 6:30-8, WEAF; 9-10, Crescent orchestra.
WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., Lyon and King deluxe concert; 10:45, entertainment.
WSM, Nashville, Tenn. (282.8m-1060kc), 10 p. m., frolic, Beasley Smith's orchestra; Edward Stockman, baritone.
WSOE, Milwaukee, Wis. (245.8m-1220kc), 8:45 p. m., Peggy Patton; 9, Eva F. Case company.

Mountain Standard Time Stations

CNRR, Regina, Can. (476m-640kc), 8 p. m., studio program.
KFAU, Boise, Idaho (280m-1070kc), 8-10 p. m., musical program, Ava Brinck.
KFXF, Colorado Springs, Colo. (249.9m-1200kc), 8:30-10 p. m., Yolande Ingle, contralto; Edith Phelps, soprano; Leta Gale, pianist; Gertrude Grimes, reader; Daniel Patrick O'Shea, tenor.
KOA, Denver, Colo. (322.4m-930kc), 8:30 p. m., Brown Palace string orchestra; 9-10, program, Western Auto Supply program; 10-12, Ambassador hotel dance orchestra.
KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7 p. m., States Restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel orchestra; 8-9, studio program; 9-10, Mona Motor Oil company, trio; harmony team, Gypsy and Marta; 10-11, Palace hotel dance orchestra.
KPSN, Pasadena, Calif. (315.6m-950kc), 8-9 p. m., Adolph Tandler instrumental group.
KTAB, Oakland, Calif. (239.9m-1250kc), 8-10 p. m., Mills college.

DANCING
Central Time

Saturday, April 24: 9, Webh, Wjaz, Wmbb, Wnyc, Wreo; 9:10, Kths, Wip; 9:30, Kths, Wgbs, Wor, Wrc; 10, Kfve, Kfwa, Koa, Kpo, Weaf, Wgn, Wias, Wjr, Wkrc, Wmca, Wmc, Wor, Wqj, Wreo, Wlib; 10:05, Wcco; 10:30, Wamd; 10:45, Wis; 11, Kfwa, Kfwb, Kpo, Webh, Wfaa, Wgbu, Who, Wias, Woc; 11:30, Kfoa; 11:45, Wdaf; 12, Kfwa, Koa, Kgw, Knx, Wgbu, Wjaz, Wjjd.
Monday, April 26: 8, Wgep; 9, Wgbu, Wjar, Wor; 9:15, Wahg; 10, Kths, Webh, Wgep, Wgr, Wnyc, Wor; 10:15, Wor; 10:30, Kfoa, Wgep, Whn; 11, Kgw, Koil, Wgbu, Wgep, Wgn, Whn, Who; Wjaz; 11:45, Wdaf; 12, Knx, Kpo.
Tuesday, April 27: 10, Kfve, Wbbm, Weaf, Webh, Wgn, Wgn, Whn, Wmca, Whn, Wpg; 10:15, Kths; 10:30, Kths, Whn; 10:45, Wor; 11, Kgw, Koil, Wgbu, Whn, Wjaz; 11:30, Koa; 11:45, Wdaf; 12, Kgw, Khj, Knx, Kpo, Wdaf, Wjaz; 1, Wqj.
Wednesday, April 28: 9, Wcx, Webh, Wgbu, Wgep, Whn, Who, Wjaz, Wmbb, Wmc, Wtic; 9:15, Wahg; 9:30, Wbap, Who, Wor; 10, Kfve, Wbap, Weaf, Wgbu, Wgep, Wjaz, Wqj; 10:05, Wcco; 10:30, Wrp, Whn; 11, Koil, Kpo, Webh, Wgbu, Wgep, Whn, Wjaz; 12, Kfwa, 11:45, Knx, Kpo, Wjaz, Wjjd.
Thursday, April 29: 8, Wjr; 9, Webh, Weei, Wgbu, Wjr, Wmbb, Wtag; 9:05, Wbz, 9:30, Wgbs, Wgy, 9:35, Wnyc; 10, Kths, Wbbm, Weaf, Wgbu, Wmca, Wpg, Wqj; 10:30, Kths, Whn, Webh, Wln, Woc, 11:45, 12, Kgo, Khj, Kpo, Wjjd.
Friday, April 30: 8, Wwj; 9, Wcx, Webh, Weei, Wgbu, Wgep, Wmbb; 9:30, Wcau, Walc; 9:30, 10, Kfve, Kpo, Wgbu, Wgep, Whn, Wjaz, Wjj; 12.

Wednesday, April 28

Headliners Today

Eastern	Central	Mountain	Pacific	
6:30 p. m.	5:30 p. m.	4:30 p. m.	3:30 p. m.	WBZ (333.1m-900kc) Musical Mirth Makers.
8	7	6	5	WHB (365.6m-820kc) Banjo orchestra.
9	8	7	6	WSAI (325.9m-920kc) Cincinnati accordion club.
9:55	8:55	7:55	6:55	WMAQ (447.5m-670kc), "A Step On the Stairs," mystery serial.
10:10	9:10	8:10	7:10	KTHS (374.8m-800kc) Gems from French composers.
10:15	9:15	8:15	7:15	KOA (322.4m-930kc) Tuesday Musical club.
11	10	9	8	KGO (491.5m-610kc) Infantry band.
12 m.	11	10	9	WSM (282.8m-1060kc) Beethoven string quartet.

Wednesday, silent night for: CHIC, CKAC, CKNC, CNRA, CNRC, CNRE, CNRM, CNRR, CNRT, CNRV, KFAU, KFXF, KGO, KLDS, KMMJ, KOB, KOIL, KPSN, KSAC, KTAB, KUOA, WABQ, WAIU, WBAL, WBAP, WBBR, WCAL, WCBD, WEBW, WFAA, WGBF, WGBS, WGCP, WHAR, WHAZ, WIP, WJAD, WJAZ, WLWL, WMC, WOAI, WOAW, WOI, WPG, WRC, WRR.

Atlantic or Eastern Daylight Saving Time Stations

WAHG, Richmond Hill, N. Y. (315.6m-954kc), 8 p. m., Beatrice Anthony, pianist; 8:15, Serenaders Plectrum quintet; 8:55, Old-Fashioned quartet; 9:30, Alfred H. Wertheim, violinist; Eva Nora Lyon, pianiste; 10-02, John von Aspe, tenor; 10:30, Utopia dance orchestra
WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert, William Penn hotel; 8-9, WEAF; 9, studio concert; 10, Kramer's orchestra.
WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30 p. m., recital, N. Snellenburg and company; 8:30, Clarence Seaman and his Hotel Pennsylvania orchestra; 9, recital; 9:25, Ruppert and McCullough, banjoists; 9:45, Maurice Patton, tenor; 10:10, Rogers and Chapman, harp and harmonica; 10:30, Carl Zochrns and Lou Hirscher, songs; 10:45, Frank Cook, old-time songs; 11, Artie Bittong's Cheer-Up club.
WEBJ, New York, N. Y. (272.6m-1110kc), 7:45 p. m., East Harlem night; 8, Original Cambria serenaders; 8:30, Phil Phillips, Sam Ward; 8:45, Jules de Vorzon, violinist; 9, lecture; 9:15, Robert Soffer, pianologue; 9:30, Al Peaches, Joseph Moglio; 9:45, Original Melville Five.
WEAF, New York, N. Y. (491.5m-610kc), 6 p. m., Rose room; 7, Synagogue service; 7:30, chamber musicale; WJAR; 8, Shinola Merrymakers and Gentlemen, WTAG, WCAE, WWJ, WJAR, WEEI, WOO, KSD, WGR, WCSH, WOC, WCCO, WCAP, WSAI; 8:30, Davis Saxophone octet, WOO, WCAE, WSAI, WCAP, WJAR, WTAG, WEEI, WGR; 9, Ipana Troubadours, WEEI, WCAP, WWJ, WCCO, WGR, WSAI, KSD; 10, "Madame Angot," WEAF Light Opera company; 11-12 midnight, Hughie Barrett and his orchestra.
WEEI, Boston, Mass. (348.6m-860kc), 6:13 p. m., Joe Rines and his Hunters' Cabin orchestra; 8-11, WEAF.
WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra.
WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., Century orchestra; 8, WEAF; 10, Patricia Boyle, pianist; 11, Murray Whiteman's Serenaders in "Songs of the Day."
WHN, New York, N. Y. (361.2m-380kc), 7:30 p. m., Lexington organ recital; 8, Vogue entertainers; 9, Loew's New York orchestra; 10, Roseland dance orchestra; 10:30, Anatol Friedland; 11:30, Silver Slipper orchestra; 12 midnight, Cotton club orchestra.
WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 7, Uncle Wip's bedtime stories; songs by Margaret Keenan.
WJAR, Providence, R. I. (305.9m-950kc), 7:30 p. m., chamber musicale; 8-9, WEAF; 9, musicale; 10, tabloid musical play.
WJZ, New York, N. Y., (454.3m-660kc), 7:30 p. m., Markel's orchestra; 8, Imperial Imps; 8:30, Lewissohn Free Chamber music; concert.
WLIT, Philadelphia, Pa. (394.5m-760kc), 8:10 p. m., Arcadia cafe concert orchestra; 9, P. R. T. musical organization; 10, Arcadia dance orchestra.
WLWL, New York, N. Y. (288.3m-1040kc), 9:45 p. m., McEroy's concert.
WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Olcott Vail and his Hotel McAlpin string ensemble; 6:30, Ernie Golden and his Hotel McAlpin orchestra; 9, Mamaroneck Night; 11, Hofbrau Haus entertainers; 11:30, Jack Denny's orchestra; 12 midnight, McAlpin entertainers.
WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Sylvania dance orchestra; 8, WEAF; 10, Fox theater studio program; 10:30, Ritz Carlton dance orchestra.
WOR, Newark, N. J. (405.2m-740kc), 6:30 p. m., Jacques Jacobs' Hotel Shelton ensemble; 7:30, Zit's Central Park Casino orchestra; 8, "Topics of the Day"; 9, Gertner's string quartet; 11, Billy Roses Fifth Avenue club orchestra.
WTAG, Worcester, Mass. (267.7m-1120kc), 7:40 p. m., program announced; 8-11, WEAF.

Eastern Standard or Central Daylight Saving Time Stations

CNRM, Montreal, Canada (410.7m-730kc), 8:30 p. m., Old Tyme Favourites night, Ye Old Tyme Village quartet; Treva Tilley, reader; W. Norris, bass; A. Chapman, tenor.
CNRO, Ottawa, Canada (435.8m-688kc), 8:30 p. m., CNRM program.
KDKA, Pittsburgh, Pa. (309.1m-970kc), 6:30 p. m., dinner concert; 8:30, Mary Redmond, violinist; Gladys Landefeld, soprano; David Ewing, baritone; Adelaine Biddle, accompanist; Franklin Biddle, reader.
KYW, Chicago, Ill. (535.4m-560kc), 6 p. m., KDKA; 6:30-7, dinner concert, Congress hotel; 7:30, half hour of music; 9, concert, Commonwealth Edison company; 10, revue.
WBBM, Chicago, Ill. (225.4m-1330kc), 8-10 p. m., Barber Shop quartet; Billy Spears, tourist bureau; Rudy Winters; 12-2 a. m., Alemite orchestra; Harold Anderson, accordionist; Sy Berg, Bob Witt.
WBZ, Springfield, Mass. (333.1m-900kc), 6:15 p. m., Hotel Lenox ensemble; 6:30, Musical Mirth Makers; 7:30, concert; 8:30, Holyoke hour; 9:30, announced.
WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., Goldkette ensemble; 8-9, studio program.
WEAO, Columbus, O. (293.9m-1020kc), 8:15 p. m., music; 9, music.
WEAR, Cleveland, O. (389.4m-770kc), 7 p. m., Cleveland hotel orchestra.
WEBH, Chicago, Ill. (370.2m-810kc), 7 p. m., Osborn's orchestra; 9-9:15, news flashes; 9:15-10, Frank Bordner, songs; Florence Behrend, soprano; 11-12:30 a. m., Osborn's orchestra; Florence Behrend, impromptu review; Bernice Follis; Osborn's orchestra; Kay Ronayne.
WENR, Chicago, Ill. (265.3m-1130kc), 6-7 p. m., dinner concert, Rauland-lyric trio; 8-10, popular program, All-American Pioneers, vocal; 12-2 a. m., frolic, popular program.
WGHB, Clearwater, Fla. (255.3m-1130kc), 6:30-7:30 p. m., dinner music; 8:30-9:30, Rex Danzler, tenor; Marion Hoffman, pianist; 11:45-1, Graham Prince and his orchestra.
WGN, Chicago, Ill. (302.8m-990kc), 6:55-7 p. m., Drake concert ensemble, Blackstone string quintet; Music; 8-9, studio program; 10:20, play shop; 10:40-11, studio ensemble.
WGY, Schenectady, N. Y. (379.5m-790kc), 6:35 p. m., Onondaga hotel orchestra, WFBL; 7:30, Eastman theater, WHAM; 8:05, WHAM.
WHT, Chicago, Ill. (399.8m-750kc), 6 p. m., Bernice Taylor, soprano; Hugh Aspinwall; 7:45-9:15, Cinderella cafe orchestra; 9:30, Al Carney and Pat Barnes; 10:05, Ray-O-Vac concert; 11:15, Cinderella cafe orchestra; 11:30, Pat Barnes and Al Carney; 12, Pat Barnes and Al Carney.
WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., dinner program; Charles Champlin, baritone; H. Miller, tenor; 10-12, popular program; Elsie Orr, soprano; Melody Strummers.
WJAZ, Chicago, Ill. (322.4m-930kc), 9-1 a. m., "Spike" Hamilton's orchestra, Johnny Mulaney's Bluejackets.
WJJD, Mooseheart, Ill. (370.2m-810kc), 8-9 p. m., Mooseheart children; 10-11, Isabel Dofaut, Simeon Oliver, Palmer House Victorians; 12:30 a. m., Settin' Up hour.
WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Jean Goldkette's Petite symphony orchestra; 7:45, Goodwill Oakland; 9, Jean Goldkette's orchestra; 11, Murphy Brothers organ; 12, Merry Old Chief, Jewett Radio Jesters.
WKRC, Cincinnati, O. (422.3m-710kc), 6 p. m., dinner music, Alvin Roehr and his Hotel Alms orchestra; 8:15, Winnie Pippin, soprano; Oliver Plunkett, tenor; 9, instrumental quintet, soloist; 12, Wesley Helvey and his orchestra.
WLIB, Chicago, Ill. (302.8m-990kc), 7:30-7:50 p. m., Auld Sandy; 7:50-8, musical program; 11-11:20, Correll and Gosden; 11:20-12:30 a. m., studio ensemble, dance music, harmony duos.
WLS, Chicago, Ill. (344.6m-870kc), 6:10 p. m., Maurie Sherman's College Inn orchestra; 7:30, Ralph Emerson, organist; 8, Kentucky mountain songs, Madame Gilderoy Scott; 8:30, Gilbert Frankau, English author; 9, "The Story of Mozart," WLS trio; 9:30, Fred Frank, baritone; WLS trio; 10, popular music; 11-1, WLS circus.
WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., dinner hour concert, Hotel Gibson; 7:40, Hotel Gibson concert; 10, artists; the Thorobred instrumental trio; 11, Harmonica Bob; 11:15, "Spring Birds," whistling imitations, Donald Bain; 11:30, organ solos, Johanna Grosse.
WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Sheetz Hotel La Salle orchestra; 8:25, Whitney trio; 8:55, WMAQ players.
WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon duo; 9-11, Trianon orchestra; Woodlawn theater orchestra; Scotty Welch, Madison Sisters.
WOK, Chicago, Ill. (217.3m-1380kc), 10-1:30 p. m., Carl Lorraine's Pershing Palace orchestra; Midway Garden orchestra; Tearney's Town club orchestra; Capitol theater program.
WORD, Batavia, Ill. (275m-1090kc), 7 p. m., program; 9, Webster hotel concert trio; I. B. S. A. choral singers.
WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Garden orchestra; Kenneth Sterling, baritone; Leo Miller, violinist; Milton Sherman, pianist; 10-1 a. m., Rainbo Skylarks; Melodians; Clarence Theders, tenor; Joe Warner; Oxford Girls; Gail Bandell; 1-2, Ginger hour.
WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., dinner concert, Speed-Wagon serenaders; Gold Standard ensemble.
WRVA, Richmond, Va. (256.3m-1170kc), 8:10 p. m., Masonic Home Boys' band; 9:10, Musicians club program; 10:10, organ recital; 11, Carry Me Back to Old Virginny.
WSAI, Cincinnati, Ohio (325.9m-920kc), 7-9 p. m., WEAF; 9, Cincinnati Accordion club; 10:15, Congress Playing Card string quintet
WSWS, Chicago, Ill. (275.8m-1090kc), 6 p. m., dinner hour music; 8, ballads; Gus Edwards orchestra; Marion O. Holland, violinist; 10, Gus Edwards' orchestra; Gail Bandel, popular soloist; Yates Brothers; Jack Ford; John Clark.
WTAM, Cleveland, Ohio (389.4m-770kc), 6-7 p. m., Carl Rupp and his Hotel Hollenden orchestra; 8-11, Public Auditorium program; 11-1 a. m., Guy Lombardo and his Royal Canadians dance orchestra.
WTIC, Hartford, Conn. (475.9m-630kc), 6:30 p. m., Bond trio; 8, pupils, Benjamin M. Knox; 9:15, Laura C. Gaudet, pianist; 9:30, Esther A. Nelson, organist.
WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7, WEAF; 7:30, Detroit News orchestra; 8, dance program; 9, WEAF.

Central Standard Time Stations

CNRW, Winnipeg, Can. (384.4m-780kc), 7:50 p. m., musical program, Ft. Gary hotel, Irvin Plumm and his orchestra; 8:50, Canadian National Railways' brass band; Jean Bird, soprano; 10, supper-dance program, Irvin A. Plumm and his Ft. Gary hotel orchestra.
KFAB, Lincoln, Nebr. (340.7m-880kc), 8:30-10:30 p. m., Cowbell Boys; Gloomy Gus; Slick Merriam; Belshaw's orchestra.
KFH, Wichita, Kans. (267.7m-1120kc), 7-8 p. m., concert orchestra.
KFKX, Hastings, Nebr. (288.3m-1040kc), 5:30 p. m., KDKA; 9, musical program.
KFMX, Northfield, Minn. (336.9m-890kc), 9-10 p. m., musical program.
KFNF, Shenandoah, Ia. (263m-1140kc), 7 p. m., concert, Henry Field Seed company.
KFRU, Columbia, Mo. (499.7m-600kc), 9-11 p. m., classical musical program.
KFUO, St. Louis, Mo. (545.1m-550kc), 9:15 p. m., orchestra, Concordia seminary.
KMA, Shenandoah, Iowa (252m-1190kc), 5:30-7 a. m., alarm clock hour; 6-7 p. m., popular music; 9-11, Bob and Babe Riddle, Willy Cunningham.
KMOX, St. Louis, Mo. (280.2m-1070kc), 6 p. m., joint organ recital, Arthur L. Utt, Mrs. Jacques Landree; 7, Missouri theater; 8, Illinois Women's college; 9, song cycle; 10, orchestra.
KPRC, Houston, Tex. (296.9m-1010kc), 6:30 p. m., Harold Oxley's Warwick hotel orchestra; 7:30, Skyline studio concert; 7:45, Jack Willrich's orchestra; 8:45, Frank Tilton; 10:30, Vaughan's Virginians.
KSD, St. Louis, Mo. (545.1m-550kc), 6 p. m., WEAF; 6:30, Hotel Statler orchestra; 7, WEAF.
KSO, Clarinda, Ia. (241.8m-1240kc), 7 p. m., Duncan Sisters; 7:30, quartet, M. E. church.

CORN HUSKERS FROLIC OVER WGY

Wednesday, April 28

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10-10 p. m., gems, French composers, Meyer Davis orchestra; 10-10:45, Southerners Majestic hotel orchestra.

WADC, Akron, Ohio (258.5m-1160kc), 6:30 p. m., Hotel Portage quintet.

WAMD, Minneapolis, Minn. (243.8m-1230kc), 7:05 p. m., special program, Frank and Ernest; 7:15, classical program; ensemble; James Harper, violinist; Harry Byrnes, cellist; Grace Heising, pianist; Emily Jones, soprano; 11, Skyrocket frolic.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6-8 p. m., WEAF; 9, Nash-Finch concert orchestra; 10:05, Marigold Garden dance orchestra; 11:30, organ recital, Eddie Dunstedter.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., Trianon ensemble; 8-9, WEAF; 9-10, Star's Radio orchestra; Gail King, soprano; Louis Downie, tenor; Edna Forsythe, accompanist; 11:45-1, WDAF's Plantation Grill studio.

WHAS, Louisville, Ky. (399.8m-750kc), 7:30-8 p. m., string division, K. & I. orchestra; 8-9, K. & I. orchestra.

WHB, Kansas City, Mo. (365.6m-820kc), 7-8 p. m., Three ukulele girls; Alma Nash banjo orchestra; 10:30-11:30, musical program.

WHO, Des Moines, Ia. (526m-570kc), 6-7 p. m., Bankers' Life Little symphonic orchestra; 7:15-8:15, Irene Doran and her little symphony orchestra; 8:15-9, Kate Miller, whistler; Maude Hughes, accompanist; Harry Lewis, popular songster; Norman Broñolm, pianist; 9-12, dance programs.

WNAD, Norman, Okla. (254.1m-1180kc), 7:40 p. m., Jessie Kirk, pianist; Jessie Griffeth, vocalist; Townsend McClure, violinist; Wilda Griffin, vocalist.

WOAI, San Antonio, Tex. (394.5m-760kc), 8:30 p. m., Army night, Ft. Sam Houston.

WOC, Davenport, Iowa (483.6m-620kc), 6-6:30 p. m., WEAF; 9-9:30, Earl Ferris Nursery trio; 9:30-10:30, Erwin Swindell, organist.

WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9-10 p. m., 16 Fingered Paul; John Higbee, Marian Cusser, Helen Neuman, Moke Marrin; 10-12, Jim Forshey, Roseberry, artists.

WOS, Jefferson City, Mo. (440.9m-680kc), 8:15 p. m., program, Osceola Boosters' club; 10, Huffman Brothers and Maloney.

WSB, Atlanta, Ga. (428.3m-700kc), 10:45 p. m., Biltmore hotel orchestra.

WSM, Nashville, Tenn. (282.8m-1060kc), 6:30 p. m., Francis Craig's orchestra; 8, program, Mary Malone, soprano; Daisy Hoffman, pianist; 10, Lawrence Goodman; 11, Beethoven string quartet.

WSOE, Milwaukee, Wis. (245.8m-1220kc), 9 p. m., Electric Spark discharges; Al Nitz, tenor; Katherine Kies Hardtke, pianist; Edwin Franz, Herbert Schroeder.

Mountain Standard Time Stations

KFWA, Ogden, Utah (260.7m-1150kc), 9-10 p. m., Olie Reeves and his orchestra; 10-11, Paramount theater; 11-12, Olie Reeves and his orchestra.

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra; 8, Scheuerman's Colorado orchestra; 8:15, Tuesday musical club; 10, Broadmoor Rhythm Rustlers.

Pacific Standard Time Stations

CNRV, Vancouver, Can. (291.1m-1080kc), 7:30 p. m., D. O. K. K. quartet; E. Lupton, baritone; Catherine Hope, pianist; J. Hamilton, bass; duets; A. Clarke, baritone; S. Hicholls, tenor; 10:30, Cabaret Belmont orchestra; Bebe Mullar, soprano.

KFI, Los Angeles, Calif. (467m-642kc), 7-7:30 p. m., Grebe Synchrophase string ensemble; 7:30-8, Nick Harris' detective story; 8-9, program, Ventura Refining company; 9-10, popular program; 10-11, program arranged by Paul Roberts, pianist.

KFON, Long Beach, Calif. (232.4m-1280kc), 7-8 p. m., program, Salt Water Taffy shop; 8-9, Press-Telegram studio; 9-10, Prizma hour; 10-11, Oriole dance orchestra.

KFWB, Hollywood, Calif. (252m-1190kc), 6:30-7:30 p. m., Pontiac 6 dinner hour; 8-9, program, Sphinx Motor Oil company; 9-10, Bill Hatch and his Oakmont Country club orchestra; Mutual Motors mirth contest; 10-11, Warner Brothers' frolic.

KGO, Oakland, Calif. (361.2m-830kc), 6-6:55 p. m., Amphion trio.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-9, concert, 7th United States Infantry band; 9-10, vocal and instrumental music; 10-11, concert.

KHJ, Los Angeles, Calif. (405.2m-740kc), 8:30-10:30 p. m., program, Santa Ana, Calif., American Legion.

KJR, Seattle, Wash. (384.4m-780kc), 7-8:30 p. m., Bab's lady orchestra; 8:30-10, program.

KLX, Oakland, Calif. (508.2m-590kc), 8-9 p. m., program; 9-10, special.

KMTR, Hollywood, Calif. (238m-1260kc), 6-7 p. m., Radio Press Agent with Silver String quintet; 8-10, KMTR concert orchestra, Loren Powell, director; Dan Gridley, tenor; 10-11, Starr Piano company studio.

KNX, Hollywood, Calif. (336.9m-890kc), 6:30-7 p. m., Atwater Kent orchestra; 7-8, studio program; 8-9, Security bank program; 9-10, program, Motor Transit stages; 10-11, studio program; 11-12, Ambassador hotel dance orchestra.

KOAC, Corvallis, Ore. (280.2m-1070kc), 7:20 p. m., piano solos.

KPO, San Francisco, Calif. (428.3m-700kc), 7-7:30 p. m., Rudy Seiger's Fairmont hotel orchestra; 8-9, Atwater Kent artists; 9-10, Goodrich Silvertown Cord orchestra; 10-11, States Restaurant orchestra.

KTAB, Oakland, Calif. (239.9m-1250kc), 8-10 p. m., Western States Life Insurance company.

KWSC, Pullman, Wash. (348.6m-860kc), 7:30-9:30 p. m., Rich Whitman, violinist; Martha Forde, pianist; Wm. Hanson, cornetist.

Thursday, April 29

Headliners Today

Eastern	Central	Mountain	Pacific
9 p. m.	8 p. m.	7 p. m.	6 p. m.

KDKA (309.1m-970kc) Joseph Haydn music.
WCBD (344.6m-870kc) Saxophone quintet.
WGY (379.5m-790kc) A Night in the Country Store.
WMAQ (447.5m-670kc) Bush Conservatory of Music.

9:30	8:30	7:30	6:30

CKY (384.4m-780kc), Princess Pat's band.

10:30	9:30	8:30	7:30

WBAP (475.9m-630kc) The Red Headed Music Maker.

11:05	10:05	9:05	8:05

WCCO (416.4m-720kc) Spanish War Veterans.

12 m.	11	10	9

KFI (467m-642kc) Chickering hall.
KGO (361.2m-830kc) Instrumental quartet.
KNX (336.9m-890kc) Wisecracker club.
WBAP (475.9m-630kc) "A Step On the Stairs," mysterial serial.

Thursday, silent night for: CHIC, CKNC, CNRA, CNRE, CNRO, CNRR, CNRT, CNRV, CNRW, KFAB, KFAU, KFMX, KFOA, KFUO, KFWA, KLX, KMOX, KOA, KOAC, KOB, KSAC, KWSC, PWX, WABQ, WAFD, WAHG, WAIU, WCAP, WCEE, WOOD, WEAO, WEBJ, WEBW, WEMC, WGFB, WHA, WHAD, WHAZ, WJJD, WMAK, WMAZ, WNAD, WOOD, WOR, WOS, WSM, WSUI, WTAM.

Atlantic or Eastern Daylight Saving Time Stations

WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert, William Penn hotel; 8, concert; 8:30-11, WEAF.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:30 p. m., Billy Hays and his Cathay Tea Garden orchestra; 7:30, Snellenburg symphony orchestra; 8, the Eight Bright boys; 8:30, recital; 8:45, the Kandy kids; 9, Barry O'Moore, Irish tenor; 9:45, comedy lesson, Professor Doolittle;10, Sesqui Centennial hour; 11, Parodians dance orchestra; 11:30, Club Madrid revue.

WEAF, New York, N. Y. (491.5m-610kc), 4-12 midnight, Evelyn Siedle, contralto; Felice string quartet; Vincent Lopez and his orchestra; Hires Harvesters, Clicquot club Eskimos; Silvertown Cord orchestra.

WEEI, Boston, Mass. (348.6m-860kc), 7:30 p. m., musicale; 8:15-11, WEAF.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 8-11, WEAF.

WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., Vincent Lopez Hotel Statler dance orchestra; 8, WEAF.

WHN, New York, N. Y. (361.2m-380kc), 6:30 p. m., Leon Berger's orchestra; 7, Vincent Lopez Iceland orchestra; 8, Will Oakland's orchestra; 8:30, Al Herman's Broadcasting entertainment bureau; 9:30, Loew's 83rd St. orchestra; 10:30, Leroy Smith's orchestra; 11, Joe Ward's Swanee entertainers; 11:30, Everglades orchestra; 12, Sophie Tucker's playground.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 8:15, services by United Synagogue of America; 8:45, concert from Institute of Musical Art; 10:30, Little Jack Little; 11, Nelson Maples and his S. S. Leviathan orchestra.

WJAR, Providence, R. I. (305.9m-950kc), 8 p. m., Hudson-Essex orchestra; 9-11, WEAF.

WJZ, New York, N. Y. (454.3m-660kc), 7 p. m., Hotel Vanderbilt orchestra; 7:30, Judge, Jr.; 8:30, "Voice of the Silent Drama," WRC; 9, Royal Typewriter Salon orchestra, WRC, WGY, WCAD; 10, the Record boys, WRC; 10:30, Hotel Astor Orangine orchestra.

WLWL, New York, N. Y. (288.3m-1040kc), 8:30 p. m., McEnery's entertainers.

WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Olcott Vail and his Hotel McAlpin string ensemble; 7, Twin Oaks orchestra; 7:30, Klein's trio; 8, Pace Institute program; 8:30, California Ramblers; 9, Nathan Straus Serenaders; 10:30, Tango orchestra; 11, Ernie Golden and his Hotel McAlpin orchestra; 12, Broadway night.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Adelphia dinner dance orchestra.

WOR, Newark, N. Y. (405.2m-740kc), 6:30 p. m., Jacques Jacobs' Hotel Shelton ensemble.

WTAG, Worcester, Mass. (267.7m-1120kc), 8-11 p. m., orchestra.

Eastern Standard or Central Daylight Saving Time Stations

CKNC, Toronto, Can. (356.9m-840kc), 8 p. m., Charles E. Bodley and his dance orchestra; Paramount quartet.

KDKA, Pittsburgh, Pa. (309.1m-970kc), 6:30 p. m., dinner concert; 8:30, with famous composers, Joseph Haydn, Little symphony orchestra; 9, Joseph Haydn, music, oratorio quartet, little symphony orchestra; 11, Post concert.

KYW, Chicago, Ill. (535.4m-560kc), 6 p. m., KDKA; 6:30-7, dinner concert, Congress hotel; 8:30-9, musical program; 9-10, an hour of music; 10-12, revue.

WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., WBAL dinner orchestra; 7:30-8, organ program, F. Weaver; Peabody Conservatory of Music recital; 8-10, Elsie Hurley, soprano; Maud Albert, contralto; Helen MacGraw, pianist; Ruth Truitt, violinist; Richard Cumming, baritone.

WBBM, Chicago, Ill. (225.4m-1330kc), 8 p. m.-12 midnight, Matched Unit quartet; Ariston trio; song period; Two Jays; Morris Silverman.

WBZ, Springfield, Mass. (333.1m-900kc), 6 p. m., Hotel Kimball trio; 6:30, Hotel Lenox ensemble; 7, Leo Reisman's concert orchestra; 8, Gertrude Goldberg, violinist; Nora Winton, contralto; Elsie Moore, accompanist; 8:30, organ recital, Arthur Clifton; 9, announced; 9:30, Edward McEnelly and his orchestra.

WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., Goldkette ensemble; 8-9, studio program.

WEAR, Cleveland, O. (389.4m-770kc), 7 p. m., Hotel Statler concert orchestra; 8-10, WEAF; 10, Cleveland Topics Bridge program; 10:30, organ recital, Vincent Percy; artists.

WEBH, Chicago, Ill. (370.2m-810kc), 7-8 p. m., special; 9-9:15, news; 9:15-10, Ruth Buhl Flick; Rita McFawn; 11-12:30 a. m., Osborn's orchestra; Ruth Buhl Flick, reader; Dorothy Herman Blum; Rita McFawn, Mary Bieber, Billy Tracy, Sonny Duncan; Osborn's trio.

WENR, Chicago, Ill. (265.3m-1130kc), 6-7 p. m., dinner concert, Rauland lyric trio, vocal; 8-10, popular program, All-American Pioneers, vocal and instrumental.

WGHB, Clearwater, Fla. (265.3m-1130kc), 6:30-7:30 p. m., Belleair Estates orchestra; 8:30-10, Belleair Estates; Arthur Clippinger, baritone; 11:30-1 a. m., WGHB midnight Ramble.

WGN, Chicago, Ill. (302.8m-990kc), 6:30-6:45 p. m., Drake concert ensemble, Blackstone string quintet; 6:45, old-time favorites; 6:55-7, "The Million Sing"; 8-10, WEAF; 10, Sam 'n' Henry; 10:10, old-time favorites; 10:20, play shop; 10:40-11, studio ensemble.

WGY, Schenectady, N. Y. (379.5m-790kc), 6:45 p. m., Syracuse university, WFBL, WHAM; 8, WJZ; 9, "A Night in the Country Store," Corn Huskers orchestra; 10:30, Stephen E. Boisclair, organist.

WHT, Chicago, Ill. (399.8m-750kc), 6 p. m., dinner organ recital, Al Carney; 6:30, Grayling's string trio; 9:15, Cinderella cafe orchestra; 9:30, Kitchen Klassics; 10:10, U. S. L. entertainers; male quartet; 12, Pat Barnes and Al Carney.

WJAZ, Chicago, Ill. (322.4m-930kc), 9-Midnight, Alva Ostrom, contralto; William Balhatchet, tenor; Pansy J. Lieberfarb, pianist; John Sloan, tenor; Dorothy Tudor, Hazel Sims, pianists; Leo Miller, violinist; Charles B. Davis, tenor.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Jean Goldkette's Petite symphony orchestra; 7:30, Ide and Meginnity; 9, Jean Goldkette's orchestra; 10, Jean Goldkette's Victor Recording orchestra.

WKRC, Cincinnati, Ohio (422.3m-710kc), 10 p. m., Ace Brigode and his Fourteen Virginians; 11, popular song revue; 11:15, Ace Brigode and his Virginians.

WLIB, Chicago, Ill. (302.8m-990kc), 7-7:15 p. m., dinner music; 7:15-7:30; 7:30-8, WEAF; 11-11:20, Correll and Gosden; 11:20-12:30 a. m., studio ensemble, dance music, harmony duos.

WLS, Chicago (344.6m-870kc), 6:40 p. m., College Inn orchestra; 7:30-7:55, Ralph Emerson, organist.

WLW, Cincinnati, Ohio (422.3m-710kc), 6:15 p. m., musical handshakes, Bob Groenke and Jim Mischler; the original Crosley Hello boys; 10:30, Doherty Melody boys; 10:40, Ray Sullivan; 11, Cliff Lang, composing pianist; 11:30, popular dance music, Castle Farm; 12:15, night Howls.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Dana college choir; 8, Bush conservatory.

WORD, Batavia, Ill. (275m-1090kc), 8 p. m., Webster hotel concert trio; 8:35, studio recital, Cosmopolitan School of Music.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Garden orchestra; Lorena Anderson, soprano; Clarence Claussen, tenor; 10-1, Ralph Williams and his Rainbo Skylarks; Rose Vanderbosch; Hal Lansing; Bert Davis; Lew Butler; Marie Pollitt; 1-2, Ralph Williams and his little Skylarks.

WRC, Washington, D. C. (468.5m-640kc), 8:30 p. m., WJZ; 9, WJZ; 10, WJZ; 10:30, Meyer Davis' Le Paradis band.

WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., dinner concert, Speed-Wagon serenaders; Gold Standard ensemble; 8:15, varied musical program, Reo Broadcasting orchestra, vocal and instrumental solos.

WRVA, Richmond, Va. (256.3m-1170kc), 8:30 p. m., "Edgeworth Fun Feast," special features, orchestra, country fiddlers, negro chorus; 12, Carry Me Back to Old Virginny.

WSAI, Cincinnati, Ohio (325.9m-920kc), 7 p. m., WEAF.

WSWS, Chicago, Ill. (275.8m-1090kc), 6 p. m., Dean Terrill, baritone; 7, John Dogey, violinist; Leola Aikman; Marjorie Lee, pianist; 10, "In the Land of Cotton"; 11, Scott and his Novelty Hawaiian; Art Becker, pianist; Irene Beasley; Cook Sisters.

WTAM, Cleveland, Ohio (389.4m-770kc), 6-7 p. m., dinner music, Austin Wylie's Vocalion Recording orchestra.

WTIC, Hartford, Conn. (475.9m-630kc), 6:50 p. m., Bond trio.

WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7, WEAF.

Central Standard Time Stations

CKY, Winnipeg, Can. (384.4m-780kc), 8:30 p. m., Princess Pat's band.

KFH, Wichita, Kans. (267.7m-1120kc), 7-8 p. m., American Legion quartet, popular program.

KFKU, Lawrence, Kans. (275.1m-1090kc), 7:15 p. m., School of Fine Arts musicale; Marguerite Fisher, soprano; Anna Sweeney, pianist.

KFKX, Hastings, Nebr. (288.3m-1040kc), 5:30 p. m., KDKA.

KFNF, Shenandoah, Ia. (263m-1140kc), 7 p. m., musicale.

KFRU, Columbia, Mo. (499.7m-600kc), 6:15 p. m., dinner music.

KMA, Shenandoah, Iowa (252m-1190kc), 5:30-7 a. m., alarm clock hour; 6-7 p. m., regular dinner hour program; 9-11, Delmonica Dreamers' dance orchestra.

KOIL, Council Bluffs, Iowa. (277.6m-1080kc), 7:30 p. m., classical program; 8, Harmo Jazz orchestra; 11, Hotsy Totsy hour.

KPRC, Houston, Tex. (296.9m-1010kc), 7:30 p. m., dance orchestra; 8:30, Skyline studio concert; 9, E. W. Rodgers, entertainers; Mrs. Corinne Hart, pianist.

KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., WEAF.

KSO, Clarinda, Iowa (241.8m-1240kc), 7 p. m., Baker and Anderson; 8, Crest band.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10-9:30 p. m., Mrs. Byrd Rigsby, contralto; 9:30-10:30, New Arlington hotel orchestra.

KUOA, Fayetteville, Ark. (299.8m-1000kc), 8:30 p. m., Y. W. C. A. choral club.

WADC, Akron, Ohio (258.5m-1160kc), 6:30 p. m., Hotel Portage quintet; 8:30, studio program; 9, Goodrich Silvertown Cord orchestra.

WAMD, Minneapolis, Minn. (243.8m-1230kc), 7:05 p. m., special program, Frank and Ernest; 11:30, organ recital, Clifford Perry.

WBAP, Fort Worth, Tex. (475.9m-630kc), 7:30-8:30 p. m., Davis Baking Powder saxophone octet; 9:30-11, Wendell Hall, Red-Headed music maker; 11, "A Step On the Stairs," mystery serial.

WCBD, Zion, Ill. (344.6m-780kc), 8 p. m., mixed quartet, McElroy saxophone quintet; celestial bells, organ; Mrs. Nelson and Mrs. Harwood, duettists; Carey Sisters, duettists; S. Inman, soprano; David McElroy, pianist.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 7-9 p. m., WEAF; 9, Justrite boys; 10:05, program, United Spanish War Veterans.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., Trianon ensemble; 11:45-1 a. m., Billy Adair's orchestra; Johnnie Campbell's orchestra.

WFAA, Dallas, Tex. (475.9m-630kc), 6:30-7:30 p. m., Jimmie Joy's orchestra; 6:55-7:05, bridge; 8:30-9:30, musicale, Waxahachie, director.

WGST, Atlanta, Ga. (270.1m-1110kc), 7-8 p. m., Mrs. G. Cooper, contralto.

WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., senior class, Louisville Conservatory of Music.

WHB, Kansas City, Mo. (365.6m-820kc), 7-7:45 p. m., Morrill Moore, organist; 8-9, Walter Smith, baritone; Lela Gaston, reader; 9-10, Southern Melody Makers.

WHO, Des Moines, Iowa (526m-570kc), 7:30-8 p. m., Raleigh quintet; 8-9, Bankers' Life trio; 11-12, Bankers' Life Corn Sugar orchestra.

WOI, Ames, Iowa (270.1m-1110kc), 8 p. m., Home Economics orchestra.

WOAI, San Antonio, Tex. (394.5m-760kc), 8:30 p. m., Mistletoe Melody Maids.

WOAW, Omaha, Nebr. (526m-570kc), 6 p. m., Dorothy Chenoweth Lowden, harp soloist; F. Mills, trumpeter; 6:20, Manna Kea trio; 6:50, Randall's Royal Fontenelle orchestra; 9, deluxe program.

WOC, Davenport, Ia. (483.6m-620kc), 6-6:15 p. m., WEAF; 7-8, WEAF; 8-9, WEAF; 9-9:30, Moline Plowboys; 11-12, LeClaire hotel orchestra.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., program, Maybelle S. Wall, director; 10:45, Charles A. Sheldon, organist.

Mountain Standard Time Stations

KFXF, Colorado Springs, Colo. (249.9m-1200kc), 10 p. m., Gray's Collegiate orchestra.

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra.

KUOM, Missoula, Mont. (243.8m-1230kc), 8 p. m., vocal, instrumental and ensemble music.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., program, students University of Southern California; 8-9, varied studio program; 9-10, program, Chickering hall; 10-11, Patrick-Marsh dance orchestra, Betty Patrick, soloist.

KFWB, Hollywood, Calif. (252m-1190kc), 6:30-7:30 p. m., Pontiac 6 dinner hour; 8-9, program, Phillips and Hambaugh with Frazier Mountain Park dance orchestra; 9-10, program, C. H. Davidson Investment company, Los Serranos Country club orchestra; 10-11, Warner Brothers frolic.

KGO, Oakland, Calif. (361.2m-830kc), 8 p. m., Los Gatos High School orchestra; Herbert L. Roberts, tenor; 9, Fiesta de las Rosas instrumental quartet; Zetta Goodman, pianist; Ed Ferguson, tenor; Dr. W. D. Gordon, Scotch bagpiper; 10-12:30 a. m., Brokaw and orchestra.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-10, vaudeville program, feature acts; 10-12, Cole McElroy's dance orchestra.

KHJ, Los Angeles, Calif. (405.2m-740kc), 8-10 p. m., Tower studio de luxe program.

KJR, Seattle, Wash. (384.4m-780kc), 7-8:30 p. m., Eureka mixed quartet; 8:30-10, Puget Sound Savings and Loan Association orchestra; 10-10:30, Benjamin Franklin Electric company program; 10:30-12, "Keep Joy Radiating Order of Bats."

KMTR, Hollywood, Calif. (238m-1260kc), 6-7 p. m., Starr Piano company studio; 8-10, KMTR concert orchestra.

KNX, Hollywood, Calif. (336.9m-890kc), 6:30-7 p. m., Atwater Kent orchestra; 7-8, program, H. L. Crockett; 8-9, program, Willys-Overland dealers; 9-10, The Wisecracker club; 10-11, feature program; 11-12 midnight, Ambassador hotel dance orchestra.

KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7 p. m., States Restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel orchestra; 8-10, musical program, 1-act play; 10-11, Cabiria cafe dance orchestra.

KPSN, Pasadena, Calif. (315.6m-950kc), 8-9 p. m., Pasadena Chamber of Commerce.

Friday, April 30

Headliners Today

Eastern	Central	Mountain	Pacific
7:15 p. m.	6:15 p. m.	5:15 p. m.	4:15 p. m.

WGY (379.5m-790kc) "A Step On the Stairs," mystery serial.

7:30	6:30	5:30	4:30

WGY (379.5m-790kc) Uncle Tom's Cabin, melodrama.

8:15	7:15	6:15	5:15

WTIC (475.9m-630kc) New London Community program.

8:30	7:30	6:30	5:30

KSD (545.1m-550kc) Hungarian music.
WHAS (399.8m-750kc) Garden Scene from "Faust."
WHO (526m-570kc) Colored Ladies' quartet.

9	8	7	6

WDAF (365.6m-820kc) Oratorical contest.

9:30	8:30	7:30	6:30

KFAB (340.7m-880kc) Wesleyan glee club.

10	9	8	7

WBAL (245.8m-1220kc), Musical scenario.

10:15	9:15	8:15	7:15

KOA (322.4m-930kc) Story and songs of American Indians.

10:30	9:30	8:30	7:30

KWSC (348.6m-860kc) Saxophone contest.

Eastern	Central	Mountain	Pacific
11 p. m.	10 p. m.	9 p. m.	8 p. m.

KPO (428.3m-700kc) Dance with Hales night.
WSM (282.8m-1060kc) Blue-Grass serenaders.

1 a. m.	12 m	11	10

KFI (467m-642kc) Packard ballad hour.

Friday, silent night for: CFAC, CHIC, CKAC, CKNC, CKY, CNRC, CNRM, CNRO, CNRR, CNRW, KFAU, KFWA, KFXF, KLDS, KPRC, KPSN, KSAC, KUOA, KUOM, PWX, WBBR, WCAD, WCBD, WEAO, WEBW, WGBS, WGST, WHAZ, WIP, WJAZ, WKRC, WLW, WLWL, WMAK, WNAD, WRC, WREO, WRVA, WSAI, WSMB, WSUI, WTAM.

Atlantic or Eastern Daylight Saving Time Stations

CNRA, Moncton, Can. (312.3m-960kc), 9 p. m., Ladies double quartet, male quartet; Tilman Melanson, reader; 11, CNRA orchestra.

WAHG, Richmond Hill, N. Y. (315.6m-945kc), 7:30 p. m., Edna Bockstein, pianist; 8, "Great Artist" organ recital; 9, William F. Sweeney, baritone; 9:30, Leon Goldman, violinist; 10:02, The Gondoliers; 10:30, Southland dance orchestra.

WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert, William Penn hotel; 8, studio program; 9:30-10:30, WEAF.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:45 p. m., Clarence Seaman and his Hotel Pennsylvania orchestra; 7:30, Snellenburg instrumental trio; 8, Enrico Aresoni, operatic tenor, Virginia Klein, pianist; 8:30, The Singing Groundhog; 8:45, The Bryan Girl; 9, The Regina Crooners; 9:15, Dwight Strickland, "poetician"; 9:30, The Melody orchestra; 10, Archie Lloyd, songs; 10:30, Jack Myers' Musical Architects.

WEBJ, New York, N. Y. (272.6m-1100kc), 7 p. m., Blenheim theater ensemble; 7:45, lecture; 8, Lucille Hegamin, contralto; J. Cyril Fullerton, pianist; 8:15, Clarence Williams trio; 8:30, Al Ciccone's Harlem Tea Garden orchestra.

WEAF, New York, N. Y. (491.5m-610kc), 4-12 midnight, Aletta Crump, singer; Raymond Trundy, pianist; John Butler, Jr., tenor; Vincent Lopez and his orchestra; Eagle Neutrodyne trio; Whittall Anglo-Persians; Ben Bernie and his orchestra.

WEEI, Boston, Mass. (348.6m-860kc), 7:30 p. m., Whiting Milk company program; 8:30, Neapolitan Ice Cream company program; 9, WEAF; 9:30, musicale; 10, WEAF.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra.

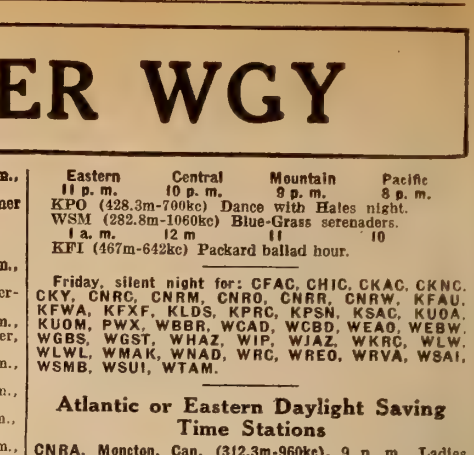
WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., TeoZee orchestra; 7:30, WEAF; 8, Audubon Terrace Meadow Larks; 8:30, Joint Charities; 9, Winger's Crescent Park entertainers; 9:30, violin and piano; 10, WEAF; 10:30, Hewitt Humorists; 11, Vincent Lopez Hotel Statler dance orchestra.

WHN, New York, N. Y. (361.2m-380kc), 7 p. m., Harry Richman and his entertainers; 7:30, Treasureland Neighbors; 8, Uncle Robert's Chat; 9:30, Loew's Lexington orchestra; 10, Roseland dance orchestra; 10:30, Anatol Friedland; 11:30, Kit Kat entertainers; 12 m., Silver Slipper orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin hotel concert orchestra; 7, Uncle Wip's bedtime stories; songs by Mary and Helen Leedom.

WJAR, Providence, R. I. (305.9m-950kc), 8 p. m., musical; 8:30, Gorman's Jolly Bakers; 9, musicale; 10, WEAF; 11, orchestra.

WJZ, New York, N. Y. (454.3m-660kc), 7 p. m., Hotel



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ACCORDION CLUB MEETS AT WSAI

Friday, April 30

Commodore concert orchestra; 8, Sundial Shoe seranaders; 8:30, Bonnie Laddies; 10:30, Hotel Lorraine Grill orchestra.

WLIT, Philadelphia, Pa. (394.5m-760kc), 9:30 p. m., Schickerling Artists; 10, Morning Glory club concert; 10:30, Rufus and Rastus; 11, Freshman Masterpiece hour; 12, Morning Glory club concert.

WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Olcott Vail and his Hotel McAlpin string ensemble; 6:30, Ernie Golden and his Hotel McAlpin orchestra; 7:30, Sach's Quality Boys; 8:30, Cousins Shoe Style talk; 8:50, Broadway Association; 9, Hardman Hour of Music; 10, Donald Flamm; 11, Hofbrau Haus entertainers; 11:30, Jack Denny's orchestra; 12 m., McAlpin entertainers.

WNYC, New York, N. Y. (526m-570kc), 10:10 p. m., dramatic readings, Harriette Weims.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., "Sir Hobgoblin," Blanche Elizabeth Wade; 9, recital; 9:25, Fox theater concert; 10, Whittall Anglo-Persians; 10:30, Sylvania dance orchestra.

WOR, Newark, N. J. (405.2m-740kc), 7 p. m., Hotel Bretton Hall ensemble.

WTAG, Worcester, Mass. (267.7m-1120kc), 8:15-10 p. m., concert program; 10-10:30, WEAF.

Eastern Standard or Central Daylight Saving Time Stations

CNRT, Toronto, Can. (356.9m-840kc), 6:30 p. m., Luigi Romanelli and his King Edward hotel concert orchestra; 9, string orchestra concert; Geza de Kresz, Hungarian violinist; John Langley, soloist; 11, Luigi Romanelli and his King Edward hotel dance orchestra.

KDKA, Pittsburgh, Pa. (309.1m-970kc), 6:30 p. m., dinner concert; 8:30, Westinghouse band concert; 10:05, Teaberry time.

KYW, Chicago, Ill. (535.4m-560kc), 6 p. m., KDKA; 6:30, dinner concert, Congress hotel; 9, Federal Master artists; 10, revue.

WABQ, Haverford, Pa. (261m-1150kc), 11 p. m., Ardmore theater program; Horace Hustler, organist; William Stewart, pianist.

WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., dinner orchestra; 7:30-8, quartet; 8-9, musical program, Peerless glee club; 9-10, trio; John Wilbourn, tenor; 10-11, musical scenario, "When Some of Us Were Twenty-One"; vocal and instrumental.

WBBM, Chicago, Ill. (225.4m-1330kc), 8-10 p. m., Two Jays; Corinne Jordan; Alemite orchestra.

WBZ, Springfield, Mass. (333.1m-900kc), 6 p. m., Hotel Kimball trio; 6:30, Hotel Lenox ensemble; 7:15, McEnelly and his orchestra; 7:45, program, Russell Burbank; 8:15, quartet; 9:15, announced.

WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., Goldkette ensemble; 8-9, studio program; 10-11, Jean Goldkette's Breeze Blowers.

WEAR, Cleveland, O. (389.4m-770kc), 7 p. m., Wormack's Singing syncopators; 8:15, studio program; 9, WEAF; 9:30, studio program; 10:30, Wormack's Singing syncopators.

WEBH, Chicago, Ill. (370.2m-810kc), 7-8 p. m., Osborn's orchestra; Pauline Sachs, soprano; Eleanor Kaplan, violinist; 9-9:15, news; 9:15-10, Osborn's orchestra; Bernard Weber, songs; 11-12:30 a. m., Osborn's orchestra; Irene Beasley.

WGHB, Clearwater, Fla. (265.3m-1130kc), 6:30-7:30 p. m., dinner music; 8:30-10:30, "The Isle of a Thousand Palms," Maurice W. Thayer, director; Henel Ferryman Warford, pianist; Dave Gootenberg, violinist; Blanche Clayd, soprano; 11:45-1, Graham Prince and his orchestra.

WGN, Chicago, Ill. (302.8m-990kc), 6:55-7 p. m., Drake concert ensemble, Blackstone string quintet; 8-8:30, WEAF; 8:30-9, music; 9-9:30, WEAF; 9:30-10, Phantom violin; 10, Sam 'n' Henry; 10:10, old-time favorites; 10:20, the Play Shop; 10:45-11, studio ensemble.

WGY, Schenectady, N. Y. (379.5m-790kc), 6 p. m., Hotel Van Curler orchestra; 7:15, "A Step On the Stairs"; 7:30, "Uncle Tom's Cabin."

WHT, Chicago, Ill. (399.8m-750kc), 6 p. m., classical program; dinner organ recital, Al Carney; Grayling's string trio; Helen Rauh, pianist; Charles Hussey, basso; 6:50, Ray-O-Vac concert; 9:15, Cinderella cafe orchestra; 9:30, Sunbeam Girls; 12, Pat Barnes and Al Carney.

WJAZ, Chicago, Ill. (322.4m-930kc), 9-1 a. m., Erwin Schmidt, Phil Fleming; Gage Girls; Hobart Preston, pianist; Hawaiian trio, and Earl Hoffman's Chez Pierre orchestra.

WJJD, Mooseheart, Ill. (370.2m-810kc), 5:30-7 p. m., Jack Nelson; Palmer House symphonic players; Howard L. Peterson, organist; Palmer House Victorians; 8-9, children; 10-11, Palmer House Victorians; 12:30 a. m., frolic.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Petite symphony orchestra; 7:30, Arctic Specials; 9, Mulkey Celebrities; 9:30, Caspar Lingeman symphony.

WLIB, Chicago, Ill. (302.8m-990kc), 7:30-8 p. m., musical program; 11-11:20, Correll and Gosden; 11:30-12:30 a. m., ensemble, dance music, harmony duos.

WLS, Chicago, Ill. (344.6m-870kc), 6:40 p. m., College Inn orchestra; 7:30, Ralph Emerson, organist; 8, Nash band; 9, Maren Johansen, soprano; Marion Emmons, violinist; 9:30, "The Beggar's Opera," Prof. Walter A. Stultz; Monica G. Stultz; 10-11, popular music.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 9:40, Christian Endeavor topics.

WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon duo; Vella Cook, contralto; Frank Bordner, baritone; Hart and McCready; 9-11, Trianon orchestra; Woodlawn theater orchestra; Eugene Plotnik, Joe Warner; Adelaide Hart, male trio.

WOK, Chicago, Ill. (217.3m-1380kc), 10-1:30 p. m., Tearney's Town club orchestra; Midway Garden orchestra; Pershing Palace orchestra; Capitol theater program.

WORD, Batavia, Ill. (275m-1090kc), 7 p. m., studio program.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Garden orchestra; Otis Pike Jester, soprano; Mary Thrash House, pianist; Sheppard Levine, tenor; 10-1, Rainbo Skylarks; Romo Vincent, baritone; Clark's Hawaiian trio; Harold Olson, baritone; Tell Taylor, tenor, Johnny Post, baritone; 1-2, Ginger hour.

WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., dinner concert, Speed-Wagon serenaders; Gold Standard ensemble.

WRVA, Richmond, Va. (256.3m-1170kc), 9:30 p. m., party night, Billy Boyle and his orchestra; Art Perkins and his uke; 12:30 a. m., Carry Me Back to Old Virginny.

WSWS, Chicago, Ill. (275.8m-1090kc), 6 p. m., Elsie Schey, contralto; H. O. Hermanson, tenor; 8, Gus Edwards' orchestra; Oxford Girls; 10, Clark Hawaiian quartet; Freddie Witmer, pianist; Studio male quartet.

WTAM, Cleveland, O. (389.4m-770kc), 6-7 p. m., dinner music, Carl Rupp and his Hotel Hollenden orchestra.

WTIC, Hartford, Conn. (475.9m-630kc), 6:30 p. m., Hub trio; 8:15-12 midnight, New London Community night program.

WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 8, Detroit News orchestra; 9, WEAF; 9:30, dance program.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 8:30-10:30 p. m., Nebraska Wesleyan glee club.

KFH, Wichita, Kans. (267.7m-1120kc), 7-8 p. m., Gold Medal Krackers' dance orchestra.

KFKX, Hastings, Nebr. (288.3m-1040kc), 5:30 p. m., KDKA; 9; musical program, Fairmont high school.

KFMX, Northfield, Minn. (336.9m-890kc), 10-11 p. m., organ recital.

KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., Sunday school lesson; 7:30, pipe organ concert.

KFRU, Columbia, Mo. (499.7m-600kc), 6:15 p. m., dinner music.

KFUO, St. Louis, Mo. (545.1m-550kc), 9:30 p. m., W. Poehler, xylophonist.

KLDS, Independence, Mo. (440.9m-680kc), 8:15 p. m., Handel's "Messiah," chorus, orchestra; special artists.

KMA, Shenandoah, Ia. (252m-1190kc), 5:30-7 a. m., alarm clock hour; 6-7, How-do-you-do Boys; Slumber Boat; 9-11, orchestra music.

KMOX, St. Louis, Mo. (280.2m-1070kc), 6 p. m., Arthur L. Utt, Mrs. Jacques Landree, organists; 7, Buster Brown; Mary Jane with her ukulele; Russell Ren; 8, music lovers' hour; 9, orchestra; 9:30, Marguerite Schmidt, pianist; David Bittner, violinist; 10, dance orchestra.

KOIL, Council Bluffs, Iowa (277.6m-1080kc), 6:35 p. m., Randall's Royal Fontenelle orchestra; 7:30 old-time dance music, Millard Senior band; 8:30, Dresher Brothesr entertainers; 11, Hotsy Totsy hour.

KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., Myrtle Hartmann, soprano; 7:30, Commerce hour, Hungarian music, Kotana Brothers; 8, WEAF.

KSO, Clarinda, Iowa (241.8m-1240kc), 7 p. m., special report, J. F. Sinn; 7:30, Smith Brothers.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10-9:45 p. m., New Arlington Meyer Davis orchestra; 9:45-10, Lawson Reid, organist; 10-11, Pooley hour.

WADC, Akron, Ohio (285.5m-1160kc), 6:30 p. m., Hotel Portage quintet; 8, studio program; 10, India Owl's.

WAMD, Minneapolis, Minn. (243.8m-1230kc), 7:05 p. m., special program, Frank and Ernest; 7:15, Minneapolis public school hour; 11, Skyrocket frolic.

WBAP, Ft. Worth, Texas (475.9m-630kc), 7:30-8:30 p. m., musical program; 9:30-11, Indian quartet; 11-12 midnight, Panther Hawaiian trio.

WCAL, Northfield, Minn. (336.9m-890kc), 8:30 p. m., musical program.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6:15 p. m., Dick Long's Nankin cafe concert orchestra; 8, WEAF; 8:30, Watkins Family party; 10:05, Dick Long's Nankin cafe dance orchestra.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., Trianon ensemble; 8-9:30, group A elimination in National High School Oratorical contest; 11:45-1 a. m., Ted Weems' Victor Recording orchestra; Billy Adair's orchestra; Ted Meyn, organist.

WFAA, Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m., band, Grapevine; 8:30-9:30, Mrs. Lockie Marshall Pyle.

WGBF, Evansville, Ind. (236.1m-1270kc), 7 p. m., musical program; 11, DX Hunting club.

WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., garden scene from "Faust," operatic ensemble.

WHB, Kansas City, Mo. (365.6m-820kc), 7-8 p. m., Bert Beuder, popular soloist; Zelda Maddock, pianist; Sweeney orchestra; popular songs.

WHO, Des Moines, Iowa (526m-570kc), 7:30-9 p. m., colored ladies' quartet; Marvel trio; 11-12 midnight, Philbreck and his Younker tea room orchestra.

WOAI, San Antonio, Texas (394.5m-760kc), 8:30 p. m., Evening News program; College of Music.

WOAW, Omaha, Nebr. (526m-570kc), 6:20 p. m., Francis Potter's banjo orchestra; 6:50, Gilbert Jaffy, violinist; Nat Young, pianist; Karl Tunberg, pianist; 9, classical; 10:30, Frank Hodek and his Nightingale orchestra.

WOC, Davenport, Ia. (483.6m-620kc), 7:30-8, Ferris Nursery trio; 8-8:30, WEAF; 9:30-10:30, "A Step On the Stairs."

WOS, Jefferson City, Mo. (440.9m-680kc), 8:20 p. m., Morgan county program.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., program, Mrs. Gertrude L. Johnson, director; 10:45, entertainment.

WSM, Nashville, Tenn. (282.8m-1060kc), 6:30 p. m., Francis Craig's orchestra; 8, Florence Boyer, vocalist; Louise Best, pianist; 10, Blue-Grass serenaders.

WSOE, Milwaukee, Wis. (245.8m-1220kc), 9 p. m., Fraternal Order of Eagles; 9, Schuster's band.

Mountain Standard Time Stations

CNRE, Edmonton, Can. (516.9m-580kc), 8:30-10:30 p. m., Alberta Rainbow concert party, 1926 popular request program.

KFWA, Ogden, Utah (260.7m-1150kc), 9-10 p. m., Olio Reeves and his orchestra; 10-11, Paramount theater.

KFXF, Colorado Springs, Colo. (249.9m-1200kc), 8:30-9 p. m., Norman W. Jackson, Hawaiian guitarist; 9-11, Irish Melody boys.

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra; 8, Scheuerman's Colorado orchestra; 8:15, American Indian in story and song, Harold A. Lorin.

Pacific Standard Time Stations

CNRV, Vancouver, Can. (291.1m-1080kc), 8:30 p. m., Rutley trio; Edna Rogers, pianist; Mrs. W. Rutely, cellist; W. Rutley, violinist; 10:30, Cabaret Belmont orchestra; Bebe Mullar, soprano.

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Penberthy's Rambler orchestra; 8-9, Aeolian organ, Dan L. McFarland, Emma Kimmel, soprano; 9-9:30, varied program; 9:30-10, Mutual Motors mirth contest; 10-11, Packard ballad hour song bits.

KFWB, Hollywood, Calif. (252m-1190kc), 6:30-7:30 p. m., Pontiac Six dinner hour; 8-9, program, John Wright, the Right Tailor; 9-10, program, Sealy Mattress company; 10-11, Warner Brothers frolic.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-9, vocal and instrumental; 9-10:30, concert, Sherman, Clay and company; 10:30-12, frolic, Keep Growing Wiser Order of Hoot Owls, Pantages stars, feature.

KHJ, Los Angeles, Calif. (405.2m-740kc), 8-10 p. m., studio program.

KJR, Seattle, Wash. (384.4m-780kc), 7-8:30 p. m., Lundquist-Lilly, old-time songs, quartet; 8:30-10, Post Intelligencer studio program.

KLX, Oakland, Calif. (508.2m-590kc), 8-9:45 p. m., Piedmont parlor; 9:45-10:30, Athens Athletic club orchestra.

KNX, Hollywood, Calif. (336.9m-890kc), 6:30-7 p. m., Atwater Kent orchestra; 7-8, studio program; 8-9, program, Jell-X-Cell company, Charlie Melson and his Playboys; 9-10, Order of Optimistic Donuts; 10-11, fights, Hollywood American Legion stadium; 11-12 midnight, Ambassador hotel dance orchestra.

KOAC, Corvallis, Ore. (280.2m-1070kc), 8:15-9:15 p. m., program of music.

KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7 p. m., States Restaurant orchestra; 8-12, Gene James and the Palace hotel dance orchestra; Hales' anniversary party; Gypsy and Marta, harmony team; Maurice Gunsky, tenor; Merton Bories, pianist, entertainers.

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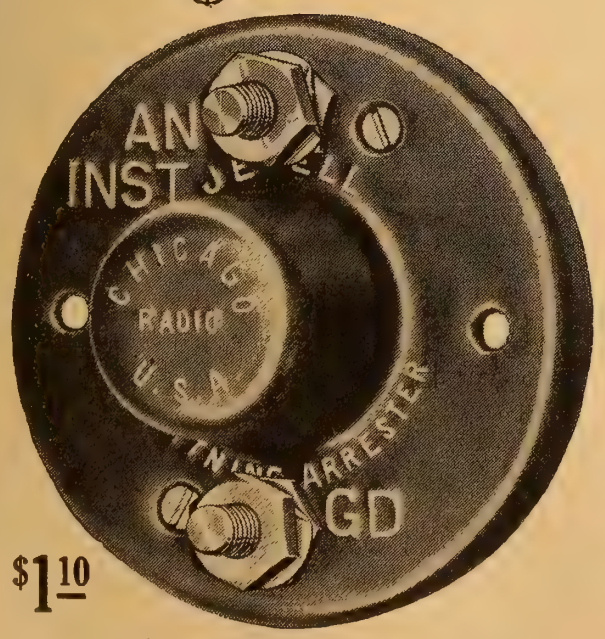

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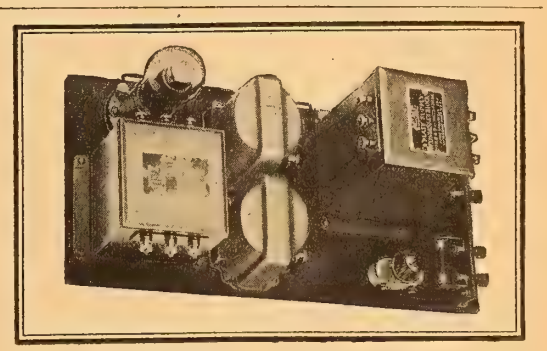

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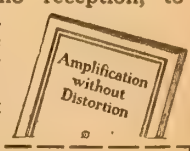

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[ ] I enclose 10c for copy of your booklet, "Amplification without Distortion," and circular on the B-Eliminator Kit.
[ ] Please send only free circular on B-Eliminator Kit.
Name.....
Street.....
City.....*State*.....

$500 in Gold!!!

FOR THE SOLUTION OF

"A STEP ON THE STAIRS"

Send Your Conclusion Today

The Author's Solution Appears Next Issue

YOU have read the next to the last installment of "A Step On the Stairs." Now write the solution. Tie the mysterious threads together in a logical conclusion and send your work to the Mystery Story Editor. Prizes totaling $500 in gold await the best solutions.

You need not have writing experience to do this. Patience and imagination, aided by a careful reading of the past installments, are the important qualifications. Don't hesitate. Do it tonight. You may win a tidy sum which will help defray your summer vacation expenses.

THE PRIZES

The prizes are seventeen in number. First prize is $250; second prize is $100; third to seventeenth prizes inclusive, are $10 each. In the event of a tie for any prize offered, a prize identical in all respects with that tied for will be awarded to each tying contestant.

HOW TO WIN A PRIZE

Nine installments of Mr. Casey's story have been published consecutively each issue. The first appeared in the February 27 issue. His tenth and final installment will not appear until the prize winning solutions have been selected by the judges. The solution nearest correct, that is, nearest to unraveling the mystery accurately, will win. The method of preparing the solution—its neatness, legibility, etc.—shall be considered.

RULES OF CONTEST

1. Solutions must be received not later than midnight of Saturday, May 1. The ninth installment of the story appears in this issue. The author's intended and final chapter will appear next issue, and the announcement of the winners' names will be made in the May 15 issue of Radio Digest.

2. The contest is open to everyone except employes of Radio Digest and their families.

3. Contestants pay no fee and need not be subscribers to Radio Digest. Solutions, however, must be written upon one side of paper.

4. The decision of the judges will be final.

"A STEP ON THE STAIRS"

(Continued from page 7)

here tonight. As I said over the Radio, I hoped by collecting together the persons whom I suspected of having had a hand in the murder of my brother, I might produce a situation which would lead the killer to betray his hand. I had tapped the land line to Station FYX and hoped to get my message onto the air in the lull between the time when they turn on their power and the time when the Portsmouth studio concert begins. But in the woods I ran into Teufel coming up from the bay. I suppose he was on his way here to warn his fellow crooks that the federal government was about to make a raid and that he mistook me for one of the narcotic squad. I had to make a run for it through the station and Teufel took a shot or two at me. He wounded an engineer."

"You dropped a letter as you went out through the battery shed."

"Yes—what of it?"

"Why should anyone wish to steal that letter?"

"I don't know, I'm sure. There was nothing in it. Of course it was written by John Carton in his own handwriting and it is possible. . . I am merely making the suggestion. . . That someone might have taken it to shield John."

"How do we know there was nothing of importance in that letter?"

"I can vouch for that," said Mary Williams. "Here is the letter." And as she spoke she drew it from beneath her waist and gravely handed it to Everett. The federal investigator gave her a quick look but returned without comment to his questioning of Peleg Turner.

"What did you do after the shooting?" he inquired.

"I came here," Peleg answered. "I hoped to get through this room somehow into some other part of the house. Teufel had given me a flesh wound and it was bleeding too much for comfort. But the crowd had been too much stirred up. I had to go out suddenly and I left my shoes behind me. Then I stole in again when I was half frozen and ran into somebody in the dark. After that I went back to the place where I had tapped the telephone line of Station FYX and sent my message as I had planned to do."

"YOU realize, of course, that you have laid yourself open to grave suspicion of having been accessory to the crimes of the cocaine smugglers who made your house their headquarters?"

"Yes. I am free to confess that. Perhaps I have acted foolishly. But the circumstances were peculiar. When trouble came to my house I did not know which way to turn. As you know I have followed the sea. I was seldom in Pelican bay and that is why I turned over the house to my brother Jeremiah. I expected to be gone a long time—probably five years. . ."

"Why did you come back ahead of schedule?"

"Hari Singh got a message to me at Port Said. He had just come back to the service of the family after a long absence and he said that there were things going on around Pelican Bay that I ought to have a look at. So I came home."

"Whom do you suspect of having killed your brother?"

"I have no reason to suspect anyone."

"You probably were conscious enough to hear the accusations made against Mary Williams. You know that we have evidence—her own confession—that she was in or near this house on the night when the shot was fired. You know that she stands charged with murder?"

"Yes," returned Peleg Turner slowly. "I know that. But she did not commit that murder. I did it myself!"

But after all, DID Peleg commit the murder? He says so, yet he contradicts his former statement in which he gives his reasons for assembling the dozen people in his hunt room. Just why did Hari Singh call Peleg back from Port Said, and what does the Hindu know that we do not? Send in your solution by May 1.

"BIG RABBIT"

(Continued from page 5)

names on the paper. No one knows who the men were.

"Then Gaskill probably goes to New York when he disappears."

"I don't know. Might have been. Part was in checks against Atlanta, Charleston, Jacksonville, and Mobile banks. The only person we have been able to locate was Solomon Trimble. Previous to Gaskill's disappearance, Si Trimble, A. King, and Solomon Trimble appear—on paper. They also appear, as names, when he settles."

"I gather none of them has deposited in any Atlanta banks since Major Gaskill disappeared this time."

"No, but I know who, what and where Trimble is."

"Who is he?"

"You'll see him. He's the yellow buck nigger who guards Gaskill's house during his attacks of gout. He isn't there at any other times."

"You didn't connect Trimble with Major Gaskill previously?"

"No, not until we traced the securities."

"You think, then, Major Gaskill makes the deposits in the names of negroes or others to prevent tracing the funds?"

"Yes," snapped the little man rather sharply. "Now you know as much as I do. I'll explain why I chose you as the man to help me. Do you remember that two weeks ago last Tuesday you pulled a little white dog from under an automobile and returned it to a young woman?"

I stared at the little banker in astonishment. He must have observed the effect of his question, as he said "Humph" with much meaning.

DID I remember? From the moment I had mumbled a few incoherent words and handed the yipping little beast to its owner, the memory of the girl had obsessed me. I had been consciously or unconsciously looking for her in the shopping throngs every afternoon. I had found myself watching every automobile that passed, hoping to catch a glimpse of her. But how did Kincaid know?

I had been hurrying along the street when I heard a woman give a little scream. I saw the white puppy run in front of a slowly moving car. I jumped into the street, grabbed the ugly little beast, and stepped back to the sidewalk. As I lifted my hat and started to give the animal back to its owner, I raised my eyes and saw her. I stood staring at her. I am certain my lower jaw dropped. I handed her my hat instead of the dog. Then she laughed, just a little ripple, and thanked me. I managed to mumble some reply. I stood until she entered the waiting machine, then walked three blocks before I remembered to put on my hat. From that moment I had been dreaming of her both asleep and awake.

There isn't any use attempting to describe her. She was the daintiest, prettiest little piece of work in the world. She was gowned all in black, of some soft material that fitted her lithe, slender form closely. A small black toque surmounted the heavy mass of dark hair which framed the most exquisite face I ever had seen. Had I forgotten her?

"Humph!" repeated Mr. Kincaid, rousing me from my bewildered reverie. "Humph, I see you haven't forgotten."

"No, sir," I stammered, feeling my face flush under the close scrutiny of the banker. "I, ah, recall the incident."

"Humph!" repeated Kincaid more significantly as he watched my confusion. "Well, Lindsay, that was a lucky dog for us. It gave you the job, and it will give you some start in this case."

"How?" I inquired, astonished.

"THE dog belonged to Miss Tonneson, Major Gaskill's ward," he replied. My heart gave a great leap of hope. I knew who she was. I would see her again.

"She has been looking for you ever since," the little man continued, smiling grimly. "It will give you an excuse to get into the house and talk with her. I'm afraid she isn't permitted to leave the house or to communicate with anyone because of, we shall say, the Major's gout. I've tried to talk to her on the phone without success."

"But," I protested, "I can't go to the young lady and tell her I've come to be thanked for an act that didn't amount to anything anyhow."

"Young man," snorted Mr. Kincaid, leaning forward and shaking his finger at me, "this is no time to let foolish pride interfere. You're working for me. Also, you're working for that girl. Don't forget it may mean her fortune. You'll serve her best by doing what I say."

His voice had become harsh and stern, the voice of a man accustomed to dealing determinedly with men and matters.

"I'll go," I said hastily, and as I arose Mr. Kincaid smiled a little wryly.

"Don't let her turn your head," he ordered. "She's the worst little flirt in Atlanta. Don't let her make you forget what you're to do. Cash this as you go out. Don't make any reports of progress. The only report I want is that you've found him. Good day."

CHAPTER III

In the Mansion of Mystery

FIVE minutes later I was rushing up Peachtree street with a thousand dollars in bills of handy denominations stowed into four different pockets. I was eager to attack the maze of mystery which had been unfolded to me by Mr. Kincaid. I cooled down somewhat after astounding the shoppers for five blocks by my reckless career along the sidewalk. Realizing that I had been bumping my way through the throng, heedless of others, and leaving a wake of angry, spluttering people who resented my method of progress, I walked more sedately, trying to revolve and fix in my mind the incidents of the odd case, and to outline some plan of action. Determining first of all to consult Borton, I looked at my watch, and, finding it was a few minutes past three, I caught a car and hastened to our apartments. Borton had completed the packing of his trunk and was propped up in bed reading an agricultural department report on the boll weevil. Borton always was farming even at the corner of Forty-second street and Broadway. I tossed a package containing $500 to him.

"That's your share of the retainer," I remarked carelessly.

"Did you give him gas or merely shoot him?" inquired Dick as he counted the bills.

I laughed, and, sitting on the edge of the bed summarized the facts of the case as briefly as possible. Before I had talked two minutes, Borton had tossed the boll weevil report on the floor and was sitting up. His quiet nods of appreciation showed that he was deeply interested, and that he was rapidly assimilating the facts. It was not until I had completed the array of facts and he had shaken his mop of unmanageable hair back from his forehead, that he spoke.

"I'm in, Wen," he said soberly. "It looks bigger than I thought. Every angle of it makes it look worse. We oughtn't to lose a minute. You telephone the Major's house right away. Whoever answers the phone, you must say that you are the man who saved Miss Tonneson's pup and that you understand she desires to see you. Say you'll be up at four o'clock. She will not answer the phone herself but that is all the better."

"I feel like a mucker for doing it," I grumbled.

"Meantime," he went on, "I'm going to slope up that way and get a look at that darky. I have an idea I'll come to the back door about the time you get in the front."

I HAD seen Borton in pursuit of big newspaper stories. Once on the trail he is indefatigable. He started to unpack his trunk in great haste, throwing things over the room like a dog digging for a woodchuck. Finally he emerged from the tumbled mass of garments holding his day-off suit; so he called the disreputable clothing he wore on his infrequent holidays tramping in the country.

A voice, decidedly strong in negro accent, although the stilted words showed some education, responded to my call.

"May I speak to Miss Tonneson?" I inquired.

"Who is this addressing me?" asked the voice, loftily.

"I do not know that Miss Tonneson knows my name," I responded suavely, although stung by the insolence of the tone. "Tell her, please, that the man who was so fortunate as to rescue her dog has been informed she wishes to see him and will call at four o'clock if it is convenient to her."

"Miss Bob will see you," the man responded without even the pretense of consulting her wishes. "She has been desiring to mek yoh acquaintance."

"Although it was but a trivial thing I did, still I shall be delighted to receive the thanks of so charming a young lady," I answered, purposely burlesquing the rather florid style of some young Southerners. "Please inform her Mr. Wyeth will call," I added, taking the first name that flashed into my mind.

"I shall infohm her, Mr. Wyeth," the voice returned.

"And to whom am I indebted for this favor?" I inquired, again with purposely exaggerated politeness.

"Mr. Trimble, at yoh service," he responded, verifying my suspicions.

"Well and cleverly done, old man," laughed Borton as I hung up the receiver. "You ought to make your home down here. You hit our line of con talk exactly."

"It was that man Trimble talking," I responded, rather heatedly. "I found out this much: That he is fresh and about half educated. At times he speaks well and uses high sounding words, but he forgets and drops back into dialect. He's feeling his oats for some reason and it is evident that he is guarding Miss Tonneson. He didn't even ask her whether she'd see me or not."

"Now, Wennie," cautioned Borton with his most exasperating tone and grin, "don't fuss yourself up because there's a skirt in it. You stay here and doll up for just thirty minutes. I'm going to trot out and get a look at Trimble. I'll send a taxi here at ten minutes to four."

I CONFESS that I spent more time arraying myself for that call than I have in many years for any occasion. My wardrobe seemed ridiculously shabby. I appropriated Dick's best scarf and pin, and later he libelously claimed that I used his best shirt to polish my shoes. I would have taken his afternoon long clothes, relics of more prosperous days, but Dick's safety from invasion in that line of wardrobe lay in the fact that he is about five inches taller than I am and several inches broader.

At length I was satisfied. I transferred my newly acquired wealth to my pockets and fretted for ten minutes waiting for the taxi. I was as nervous and excited as a debutante at her introduction to society. The thought of seeing the girl whose face had mingled with my dreams and of talking with her upset me entirely. It was something of a relief to hear the motor whirring at the door and to find myself spinning up Peachtree toward the mansion of Major Gaskill.

The cab rolled up to the door of a pretentious brick and stone mansion set far back from the beautiful boulevard in a smooth, well-groomed lawn. As I ascended the flight of stone steps leading to the colonial porch, the wide front doors opened and I saw before me perhaps the most magnificent physical animal I had ever beheld. Even before he spoke I knew it was Trimble. He was six feet two or three inches tall, and his lithe movements reminded me of a black panther. He was

(Continued on page 20)

AN EVENING AT HOME WITH THE LISTENER IN
IN CENTRAL TIME

Call	Location	Met.	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday
AT9	Fort Bragg, N. C.	435	Silent	5:00- 6:00	Silent	Silent	Silent	7:00- 8:55	Silent
CFCA	Toronto, Ont.	356.9	Silent	6:00- 8:00	5:45- 6:45	Silent	6:00-11:00	Silent	Silent
CFCN	Calgary, Alta.	356.9	11:00- 1:00	Silent	Silent	Silent	Silent	9:00-10:00	Silent
CJCA	Edmonton, Can.	434.5	10:00-12:00	8:30- 9:30	8:30-10:30	8:30- 9:00	7:00- 9:00	10:00-12:00	9:00-12:00
CKAC	Montreal, Que.	516.9	6:00-10:30	1:45- 2:45	Silent	6:00-10:30	Silent	6:30- 8:30	Silent
CKCL	Toronto, Ont.	410.7	6:00- 7:00	2:00- 3:55	Silent	6:00-10:50	Silent	6:00- 7:00	Silent
CKNC	Toronto, Ont.	356.9	7:00- 9:00	Silent	7:00-10:00	Silent	Silent	Silent	Silent
CKY	Winnipeg, Man.	384.4	8:00-11:00	7:00-10:00	8:00-12:00	Silent	7:30-11:00	8:30-11:00	Silent
CNRO	Ottawa, Ont.	434.5	7:30-12:30	Silent	Silent	Silent	7:30-12:30	Silent	Silent
CYL	Mexico City, Mex.	480	Silent	9:24-10:54	Silent	9:24-10:54	Silent	Silent	9:24-10:54
CZE	Mexico City, Mex.	350	8:24- 9:24	Silent	8:24- 9:24	8:24- 9:24	8:24- 9:24	8:24- 9:24	8:24- 9:24
KDKA	Pittsburgh, Pa.	309.1	5:30- 8:55	3:00- 7:45	5:30- 8:55	5:30-11:35	5:30- 8:55	5:30-11:00	5:30- 8:55
KFAB	Lincoln, Nebr.	340.7	5:30- 2:00	4:00-11:00	5:30-10:30	5:30-10:30	5:30-10:30	Silent	5:30-10:30
KFDM	Beaumont, Tex.	315.6	Silent	8:00- 9:00	Silent	8:00-10:00	Silent	Silent	8:00-10:00
KFH	Wichita, Kan.	267.7	10:00-11:00	7:15-12:00	10:00-11:00	10:00-11:00	10:00-11:00	10:00-11:00	10:00-11:00
KFI	Los Angeles, Cal.	467	8:00- 5:00	6:00- 1:00	8:00- 1:00	8:00- 1:00	8:00- 1:00	8:00- 1:00	8:00- 1:00
KFJF	Okla. City, Okla.	260.7	6:00- 1:30	2:30-11:45	6:00-10:45	6:00-10:45	6:00-10:45	6:00-10:45	6:00-10:45
KFKX	Hastings, Nebr.	288.3	5:30- 6:30	Silent	5:30-11:00	5:30- 6:30	5:30-11:00	5:30- 8:00	5:30-11:00
KFMX	Northfield, Minn.	336.9	Silent	7:00- 8:00	Silent	9:30-10:00	9:00-10:00	Silent	10:00-11:00
KFNF	Shenandoah, Ia.	263	7:00-12:00	2:30- 8:30	7:00- 9:00	7:00- 9:00	7:00- 9:00	7:00- 9:00	7:00- 9:00
KFOA	Seattle, Wash.	454.3	11:30- 1:00	Silent	9:00-12:00	8:00- 1:00	9:00-12:00	Silent	8:00- 1:00
KFON	Long Beach, Cal.	232.4	8:00- 1:00	8:00-12:00	8:00- 1:00	8:00- 1:00	8:00- 1:00	8:00- 1:00	8:00- 1:00
KFQB	Fort Worth, Tex.	508.2	8:30- 9:30	3:00- 8:30	8:30- 9:30	8:30- 9:30	Silent	8:30- 9:30	8:30- 9:30
KFRU	Columbia, Mo.	499.7	Silent	7:30- 8:30	6:15- 7:15	6:15- 7:15	9:00-11:30	6:15- 7:15	12:00- 2:00
KFUO	St. Louis, Mo.	545.1	7:45- 8:45	9:15-10:15	8:00- 9:00	6:30- 7:30	9:15-10:15	Silent	9:30-10:30
KFVE	Univ'ty City, Mo.	240	9:15-10:15	Silent	9:15-10:15	9:15-10:15	9:15-10:15	Silent	9:15-10:15
KFWA	Ogden, Utah	260.7	10:00- 1:00	Silent	Silent	Silent	10:00- 1:00	Silent	Silent
KFWB	Hollywood, Calif.	252	10:00- 1:00	11:00- 1:00	9:30- 1:00	10:00- 1:00	10:00- 1:00	10:00- 1:00	9:10- 1:00
KFWI	San Francisco, Cal	226	Silent	10:00- 2:00	10:00- 2:00	Silent	10:00- 3:00	12:00- 2:00	10:00- 3:00
KFXF	Colorado Springs	250	10:00-12:00	Silent	9:30-11:30	9:30-11:30	Silent	10:00-12:00	10:00-12:00
KGO	Oakland, Calif.	361.2	10:10- 2:00	5:30-10:30	8:00-12:00	8:00- 2:00	8:00- 9:00	10:00- 3:00	8:00- 9:00
KGW	Portland, Ore.	491.5	8:00- 2:00	9:30-12:00	8:00-12:00	8:00- 2:00	8:00- 1:00	8:00- 2:00	8:00- 2:00
KHJ	Los Angeles, Cal.	405.2	9:45-12:00	6:00-12:00	Silent	10:00-12:00	10:00-12:00	9:45-12:00	10:15-12:00
KIAF	Sihtipok, Minn.	421	Silent	4:00- 5:00	9:00-10:00	Silent	9:00-10:00	Silent	9:00-10:00
KJR	Seattle, Wash.	384.4	10:30-12:00	7:00-12:30	9:00-12:00	9:00-12:00	9:00-12:00	9:00- 2:00	9:00-12:00
KLDS	Independence Mo.	440.9	8:00- 9:00	6:30-10:00	Silent	8:00-11:59	Silent	8:00- 9:00	Silent
KLX	Oakland, Calif.	508.2	9:00- 9:30	Silent	8:30-12:30	9:00- 9:30	8:30-12:30	9:00- 9:30	8:30-12:30
KMA	Shenandoah, Ia.	252	6:00-11:00	4:00- 6:00	6:00-11:00	6:00-11:00	6:00-11:00	6:00-11:00	6:00-11:00
KMOX	St. Louis, Mo.	280.2	6:00-11:00	9:00-10:00	6:00-11:00	6:00-11:00	6:00-11:00	Silent	6:00-11:00
KNX	Hollywood, Cal.	336.9	7:30- 4:00	8:30-12:30	7:30- 2:00	7:30- 2:00	7:30- 2:00	7:30- 2:00	7:30- 2:00
KOA	Denver, Colo.	322.4	10:00-12:00	4:00- 9:45	7:30-11:30	7:30- 9:30	7:30- 1:00	7:30- 8:30	7:30-10:00
KOB	StateCollege, N.M.	348.6	Silent	Silent	8:30- 9:30	Silent	Silent	Silent	8:30- 9:30
KOIL	Council Bluffs, Ia	278	7:00- 3:00	7:00-12:00	6:00-12:00	6:00-12:00	6:00- 7:15	6:00-12:00	7:00-12:00
KPO	SanFrancisco, Cal	428.3	8:35- 2:00	7:00- 2:00	8:30- 2:00	8:30- 2:00	8:30- 2:00	8:30- 2:00	8:30- 2:00
KPRC	Houston, Texas	296.9	7:30-11:00	7:00-12:00	6:30-10:30	7:30-10:00	6:30-12:00	7:00-10:00	Silent
KPSN	Pasadena, Calif.	315.6	10:00-12:00	10:45-11:45	Silent	10:00-11:00	Silent	10:00-11:00	Silent
KSD	St. Louis, Mo.	545.1	7:00-10:00	6:15- 9:15	7:00-12:00	6:55-10:00	7:00- 9:00	6:55-10:00	7:00-10:00
KSL	Salt Lake City, U.	299.8	9:00-12:00	8:30-11:00	8:00-12:00	8:00-11:30	8:30-12:00	8:30-12:00	8:30-11:00
KTAB	Oakland, Calif.	240	Silent	9:45-11:15	10:00-12:00	10:00-12:00	10:00-12:00	10:00-12:00	10:00-12:00
KTBI	Los Angeles, Cal.	293.9	Silent	9:15-11:30	Silent	10:00-11:00	Silent	10:00-11:00	Silent
KTCL	Seattle, Wash.	305.9	Silent	8:10-11:10	9:00-10:00	10:00-11:00	Silent	Silent	9:00- 2:00
KTHS	Hot Springs, Ark.	374.8	9:00-10:30	9:00-11:30	9:00-12:00	9:00-11:30	9:00-11:00	9:00-11:30	9:00-10:30
KTW	Seattle, Wash.	455	Silent	9:00-11:30	Silent	Silent	Silent	Silent	Silent
KUOA	Fayetteville, Ark.	299.8	Silent	Silent	Silent	7:30- 8:30	8:00- 9:00	Silent	Silent
KWKH	Shreveport, La.	329.5	9:00-12:00	7:00-11:00	10:00-11:30	9:00-12:00	Silent	8:00- 9:30	Silent
KWSC	Pullman, Wash.	348.6	Silent	Silent	9:30-11:00	Silent	9:30-11:00	Silent	9:30-11:00
KWWG	Brownsville, Tex.	278	6:00- 7:00	Silent	8:30- 9:30	6:00- 7:00	6:00- 7:00	6:00- 7:00	6:00- 7:00
KYW	Chicago, Ill.	535.4	6:00-12:00	2:30-11:00	Silent	6:00-12:00	6:00-12:00	6:00-12:00	6:00- 1:00
NAA	Radio, Va.	434.5	Silent	Silent	6:45- 7:00	7:30- 8:30	Silent	Silent	Silent
PWX	Havana, Cuba	400	7:30-10:00	7:00- 9:15	7:30-10:00	7:30-10:30	7:00- 9:15	Silent	Silent
WADC	Akron, Ohio	258	5:30- 6:30	5:30- 6:30	5:30- 6:30	5:30-10:00	5:30- 6:30	5:30-10:00	5:30-10:00
WAHG	Richmond, N. Y.	315.6	11:00- 1:00	Silent	6:30- 1:00	Silent	6:30-11:00	Silent	7:00-10:00
WAIU	Columbus, Ohio	293.9	8:15-10:00	2:00- 3:00	5:00-10:30	5:00-11:00	5:00- 6:00	5:00- 6:00	5:00-11:00
WAMD	Minneapolis, Minn	244	6:15-10:30	6:15-10:30	7:00-12:00	Silent	7:00-12:00	6:15-12:00	6:15-12:00
WBAL	Baltimore, Md.	246	Silent	5:30- 7:30	5:30- 9:00	5:30- 9:00	Silent	5:00- 9:00	5:30- 9:00
WBAP	Fort Worth, Tex.	475.9	6:00-11:00	5:00-11:00	6:00-12:00	6:00-11:00	6:00- 6:30	6:00-12:00	6:00-12:00
WBAR	Sisiht, Wis.	406	Silent	10:00-11:00	9:00-10:00	Silent	8:00- 9:00	7:30- 8:30	Silent
WBBM	Chicago, Ill.	226	8:00- 2:00	4:00- 2:00	6:00- 7:00	8:00-12:00	8:00- 2:00	8:00-12:00	8:00-10:00
WBBR	StatenIsland, N.Y.	272.6	7:00- 9:00	8:00- 9:15	7:00- 8:00	Silent	Silent	7:00- 8:00	Silent
WBCN	Chicago, Ill.	266	9:00- 1:00	5:00-12:00	Silent	9:00- 1:00	8:00-12:00	9:00- 2:00	9:00- 1:00
WBPI	New York, N. Y.	263	5:00-10:45	Silent	5:00-10:00	5:00-10:00	5:00-10:00	5:00- 6:00	5:00-10:00
WBZ	Springfield, Mass.	333.1	5:30- 9:00	5:00- 9:15	5:30- 9:30	5:30- 9:15	5:30- 9:00	5:30- 9:00	5:30- 9:00
WCAE	Pittsburgh, Pa.	461.3	5:30- 8:15	3:00- 9:15	5:30-11:00	5:30-11:00	5:30-10:00	5:30-10:00	5:30-10:30
WCAP	Washington, D.C.	468.5	Silent	3:00- 9:15	6:00-10:00	Silent	6:00-10:00	Silent	5:00-11:30
WCAU	Philadelphia, Pa.	278	Silent	4:00-10:30	7:00-10:30	5:45-10:30	5:45-11:00	5:30-11:30	5:45-10:30
WCBD	Zion, Ill.	344.6	Silent	8:00-10:30	Silent	8:00-10:30	Silent	8:00-10:30	Silent
WCCO	Minn.-St.P., Minn.	416.4	6:15-11:05	4:10- 8:15	6:15-10:00	6:15-10:00	6:45-12:30	7:00-11:05	6:15-11:05
WCOA	Pensacola, Fla.	222	1:00-12:00	Silent	6:30- 7:30	Silent	6:30- 7:30	Silent	6:30- 7:30
WCX	Detroit, Mich.	516.9	5:00- 6:00	6:15- 7:15	5:00- 8:00	5:00- 1:00	5:00- 8:00	5:00- 8:00	5:00- 9:00
WDAF	Kansas City, Mo.	365.6	6:00- 1:00	4:00- 4:15	6:00- 1:00	6:00- 1:00	6:00- 1:00	6:00- 1:00	6:00- 1:00
WDBO	Winter Park, Fla.	240	8:00- 9:30	4:00- 5:00	8:00- 9:30	8:30-10:00	8:00- 9:30	8:00- 9:30	8:00- 9:30
WDWF	Providence, R.I.	440.9	Silent	Silent	Silent	6:45- 7:00	6:25- 7:40	6:45- 7:00	6:45- 7:00
WEAF	New York, N.Y.	491.5	5:00-11:00	1:00- 9:15	5:00-11:00	5:00-11:00	5:00-11:00	5:00-11:00	5:00-11:00
WEAN	Providence, R.I.	270.1	5:30- 9:30	6:30- 7:45	5:30- 9:30	5:30- 9:30	5:30- 9:30	5:30- 9:30	Silent
WEAO	Columbus, Ohio	293.9	Silent	Silent	Silent	6:00- 8:00	7:00- 8:00	7:00-10:00	Silent
WEAR	Cleveland, Ohio	389.4	6:00-12:00	6:00- 9:15	6:00- 7:00	6:00-11:00	6:00- 7:00	6:00-10:00	6:00-11:00
WEBH	Chicago, Ill.	370.2	7:00- 2:00	5:00- 9:00	Silent	7:00-12:30	7:00-12:30	7:00-12:30	7:00-12:30
WEBJ	New York, N.Y.	272.6	Silent	Silent	Silent	7:00- 9:00	7:00- 9:00	Silent	6:00- 8:00
WEEI	Boston, Mass.	348.6	6:10-10:00	1:00- 9:15	5:15-10:00	6:30-10:30	5:15- 9:00	6:30-10:00	6:30-10:00
WEMC	Berrien Spgs., Mic	285.5	Silent	7:15- 9:10	7:15- 8:15	Silent	7:15- 8:15	Silent	8:00-10:05
WENR	Chicago, Ill.	266	6:00- 2:00	2:00-12:00	Silent	6:00-10:00	6:00- 2:00	6:00-10:00	6:00- 2:00
WFAA	Dallas, Texas	475.9	6:30-12:00	6:00-12:00	6:30- 9:30	6:30-12:00	Silent	6:30- 9:30	6:30- 9:30
WFBH	New York, N.Y.	272.6	10:30- 1:00	4:00- 7:00	10:30- 1:00	10:30- 1:00	10:30- 1:00	10:30- 1:00	10:30- 1:00
WFI	Philadelphia, Pa.	394.5	5:30-11:00	3:30- 4:30	5:30- 7:00	5:30-10:30	5:30- 7:00	5:30-10:00	5:30- 7:00
WGBS	New York, N.Y.	315.6	5:00-10:30	7:00- 8:00	6:00- 6:15	5:00-10:30	5:00- 7:30	5:00- 7:45	Silent
WGBU	Fulford, Fla.	278	5:30-12:00	8:30-11:00	5:30-12:00	5:30-12:00	5:30-12:00	5:30-12:00	5:30-12:00
WGCP	New York, N.Y.	252	7:30-11:00	2:00- 5:00	8:00-10:30	Silent	6:00- 8:15	9:30-12:00	6:00- 8:10
WGES	Oak Park, Ill.	250	5:00- 1:00	5:00-12:00	5:00- 7:00	5:00- 1:00	5:00- 1:00	5:00- 1:00	5:00- 1:00
WGHB	Clearwater, Fla.	266	5:30-12:00	Silent	5:30-12:00	5:30-12:00	5:30-12:00	5:30-12:00	5:30-12:00
WGHP	Detroit, Mich.	270	Silent	Silent	5:00-12:00	5:00-12:00	5:00-12:00	5:00-12:00	5:00-12:00
WGN	Chicago, Ill.	302.8	6:30-10:00	3:00- 9:15	6:30- 7:00	6:30-11:00	6:30-11:00	6:30-11:00	6:30-11:00
WGR	Buffalo, N. Y.	319	7:15- 9:00	6:45- 9:15	5:30-11:00	5:30-10:00	5:30-11:00	5:30-10:00	5:30-12:00
WGY	Schenectady, N.Y.	379.5	5:30-11:00	2:00-10:00	5:30- 7:45	5:30-10:30	5:30- 8:05	5:30-11:30	6:00-10:30
WHAD	Milwaukee, Wis.	275.1	Silent	3:15- 4:15	6:15-10:00	6:15- 7:00	6:15-12:30	6:15- 7:00	6:15-10:00
WHAR	AtlanticCity, N.J.	275.1	6:30- 8:00	6:50- 9:00	6:30-11:00	6:30- 8:00	Silent	6:30-11:00	6:30- 8:00
WHAS	Louisville, Ky.	399.8	7:30- 9:00	4:30- 5:30	Silent	7:30- 9:30	7:30- 9:00	7:30- 9:00	7:30- 9:00
WHAZ	Troy, N.Y.	379.5	Silent	Silent	8:00-11:00	Silent	Silent	Silent	Silent
WHB	Kansas City, Mo.	365.6	Silent	8:00- 1:00	7:00- 8:00	7:00-10:00	7:00- 8:00	7:00-10:00	7:00- 8:00
WHN	New York, N.Y.	361.2	Silent	2:00-11:30	5:30-11:30	5:00-12:00	5:00-12:00	5:00-12:00	5:00-12:00
WHO	Des Moines, Ia.	526	Silent	7:30-12:00	7:30-12:00	7:30-12:00	6:00-12:00	7:30-12:00	7:30-12:00
WHT	Chicago, Ill.	399.8	7:00- 1:00	12:00-10:30	Silent	7:00- 1:00	7:00- 1:00	7:00- 1:00	7:00- 1:00
WIBO	Chicago, Ill.	226	6:00- 8:00	6:00-12:00	Silent	6:00- 2:00	6:00-12:00	6:00- 2:00	6:00- 2:00
WIP	Philadelphia, Pa.	508.2	5:05-11:05	3:00- 9:30	5:05- 7:00	5:05-10:30	5:05- 7:00	5:05-10:15	5:05- 7:00
WJAR	Providence, R. I.	305.9	Silent	5:00- 9:15	6:45-10:00	6:30- 9:00	6:30-10:00	7:00-10:00	6:55-11:00
WJAS	Pittsburgh, Pa.	275.3	6:00-11:00	Silent	6:00-11:00	6:00-11:00	6:00- 1:00	6:00-11:00	6:00-11:00
WJAX	Jacksonville, Fla.	336.9	7:00- 9:00	6:30- 7:30	7:00- 9:00	7:00-11:00	7:00- 9:00	7:00-11:00	7:00- 9:00
WJAZ	Chicago, Ill.	322.4	Silent	Silent	Silent	Silent	Silent	10:00-12:00	Silent
WJJD	Mooseheart, Ill.	370.2	5:30- 1:00	3:00- 4:00	Silent	5:30- 1:00	5:30- 1:00	5:30- 1:00	5:30- 1:00
WJR	Pontiac, Mich.	516.9	6:00-11:30	Silent	6:00-11:30	6:00- 9:00	6:00-11:30	6:00-10:00	6:00- 9:00
WJZ	New York, N.Y.	454.3	6:00- 9:25	1:30-10:00	6:00-10:30	6:00-10:45	6:00-10:45	6:00-10:45	6:00-10:30
WKAQ	San Juan, P. R.	340.7	Silent	Silent	Silent	Silent	6:00- 8:00	6:00- 8:00	6:00- 8:00
WKAR	Lansing, Mich.	285.5	Silent	Silent	6:15- 8:00	6:00- 7:00	6:00- 8:00	6:00- 7:00	6:15- 8:00
WKRC	Cincinnati, Ohio	422.3	10:00-12:45	6:45-12:30	6:00- 1:00	10:00-12:00	6:00- 1:00	10:00-12:15	Silent
WLIB	Chicago, Ill.	302.8	6:00- 1:00	5:00- 7:00	Silent	7:00- 1:00	7:00- 1:00	7:00- 1:00	7:00- 1:00
WLIT	Philadelphia, Pa.	394.5	6:30- 7:30	1:00- 7:00	8:00-10:00	6:50- 7:50	7:00-10:00	6:30- 7:30	6:30-11:00
WLS	Chicago, Ill.	344.6	7:00- 1:00	6:00- 7:55	Silent	7:00- 8:00	7:00-11:30	7:00- 8:55	7:00-11:30
WLW	Cincinnati, Ohio	422.3	7:00-10:00	4:00- 9:30	7:00-11:00	7:00-11:00	7:00-12:30	6:00- 1:15	Silent
WLWL	New York, N.Y.	288.3	Silent	6:00- 7:00	7:00- 9:00	Silent	Silent	7:00- 9:00	Silent
WMAK	Lockport, N.Y.	265.5	5:15-10:00	6:30- 7:30	6:30-10:00	5:15- 6:15	6:30- 9:00	6:15- 7:00	Silent
WMAQ	Chicago, Ill.	447.5	8:00-10:00	Silent	Silent	8:00-10:15	8:00- 9:45	7:00-11:00	8:00-10:15
WMAZ	Macon, Ga.	260.7	Silent	Silent	9:00-10:00	7:00- 8:00	10:00-11:00	9:00-10:00	7:00-10:00
WMBB	Chicago, Ill.	250	7:00-11:00	3:00-11:00	Silent	7:00-11:00	7:00-11:00	7:00-11:00	7:00-11:00
WMBF	Miami Beach, Fla	384.4	6:00-12:00	6:00-12:00	6:00-12:00	6:00-12:00	6:00-12:00	6:00-12:00	6:00-12:00
WMC	Memphis, Tenn.	499.7	7:15- 9:30	Silent	7:15- 9:00	7:15-12:00	Silent	7:15- 9:45	7:15-12:00
WMCA	New York, N.Y.	340.7	8:00-12:00	6:00- 9:00	8:00-11:00	7:00-11:00	8:00-11:00	8:00-11:00	7:00-10:45
WNAC	Boston, Mass.	280.2	5:00-10:00	2:15- 7:45	5:30- 9:45	5:00- 8:00	5:00- 9:00	5:00- 8:00	5:00-10:00
WNYC	New York, N.Y.	526	6:00- 9:30	8:00-10:00	6:35- 9:30	6:10- 9:30	6:30- 9:30	6:35- 9:30	6:30- 9:30
WOAI	San Antonio, Tex.	394.5	Silent	7:30-10:30	Silent	8:30-10:30	8:30- 9:30	Silent	8:30- 9:30
WOAN	Lawrenceb'g, Tenn	282.8	Silent	9:00-10:00	9:00- 1:30	9:00-10:00	9:00-10:00	9:00-10:00	9:00-10:00
WOAW	Omaha, Nebr.	526	6:00-12:00	6:00- 9:00	6:00-11:00	6:00- 1:00	Silent	6:00- 1:00	6:00-11:15

Call	Location	Met.	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday
WOAX	Trenton, N. J.	240	Silent	8:30-10:30	Silent	Silent	Silent	Silent	Silent
WOC	Davenport, Iowa	483.6	6:30-12:00	6:30-11:45	Silent	6:30-11:30	6:30-10:30	6:30-12:00	6:30-10:30
WOI	Ames, Ia.	270.1	Silent	Silent	Silent	Silent	Silent	7:05- 8:30	Silent
WOK	Homewood, Ill.	217.3	10:00- 1:00	6:30- 8:30	Silent	10:00- 1:00	10:00- 1:00	10:00- 1:00	10:00- 1:00
WOO	Philadelphia, Pa.	508.2	6:30- 7:30	5:05- 9:15	6:30-11:00	6:30- 7:30	6:30-11:00	6:30- 7:30	6:30-11:00
WOOD	Grand Rpds, Mich.	242	9:00-12:00	Silent	9:00- 1:00	9:00-12:00	9:00-12:00	Silent	9:00-12:00
WOQ	Kansas City, Mo.	278	8:00-11:00	7:00- 7:45	Silent	8:00- 9:00	Silent	7:00- 9:00	Silent
WOR	Newark, N. J.	405.2	5:15-11:00	Silent	5:15-11:00	5:15- 7:00	5:15-10:30	5:15- 7:20	5:15- 7:00
WORD	Batavia, Ill.	275	7:00-10:25	2:30-10:00	Silent	7:00-12:45	7:00-12:00	8:00-10:00	7:00-12:45
WOS	JeffersonCity, Mo.	440.9	Silent	8:00- 9:00	8:00-10:00	Silent	8:00-10:00	Silent	8:00-10:00
WPG	Atlantic City, N.J.	299.8	5:45-11:00	2:15-10:00	5:45-11:00	5:45-11:00	Silent	5:45-11:00	5:45-11:00
WQJ	Chicago, Ill.	447.5	7:00- 3:00	7:00-10:00	Silent	7:00- 2:00	7:00- 2:00	7:00- 2:00	7:00- 2:00
WRC	Washington, D.C.	468.5	6:00-11:00	Silent	Silent	6:00-10:30	Silent	6:00-11:30	Silent
WREO	Lansing, Mich.	285.5	5:00-11:00	6:00- 7:00	5:00- 6:00	5:00- 8:15	5:00- 6:00	5:30-11:30	Silent
WRVA	Richmond, Va.	256	Silent	Silent	7:00-10:00	10:00-12:00	7:00-10:00	7:00-10:00	6:00-10:00
WRW	Tarrytown, N.Y.	273	8:00-10:30	7:00-10:30	8:00-10:30	8:00-10:30	8:00-10:30	8:00-10:30	8:00-10:30
WSAI	Cincinnati, Ohio	325.9	7:00-12:00	3:00- 9:15	8:00-11:00	7:00-10:00	6:45-11:15	7:30-10:00	Silent
WSB	Atlanta, Ga.	428.3	8:00-12:00	7:30- 9:15	8:00-12:00	8:00-12:00	10:45-12:00	8:00-12:00	8:00-12:00
WSBC	Chicago, Ill.	209.7	6:30- 4:00	6:30- 1:00	6:30- 7:00	6:30- 1:00	6:30- 1:00	6:30- 1:00	6:30- 1:00
WSM	Nashville, Tenn.	282.2	6:30-12:00	Silent	6:30-11:00	10:00-12:00	6:30-11:00	Silent	6:30-11:00
WSMB	New Orleans, La.	319	9:30-11:30	Silent	9:30-11:30	Silent	9:30-11:30	9:30-11:30	Silent
WSUI	Iowa City, Iowa	483.6	Silent	9:15- 9:45	7:30- 8:30	Silent	7:45- 8:45	Silent	Silent
WSWS	Chicago, Ill.	275.1	7:00- 1:00	3:30- 9:30	Silent	6:00- 1:00	6:00-11:00	6:00- 1:00	6:00- 1:00
WTAG	Worcester, Mass.	268	Silent	3:00- 9:15	6:00-10:00	6:45-10:00	6:45-10:00	7:00-10:00	7:00- 9:30
WTAM	Cleveland, Ohio	389.4	5:00-11:00	Silent	5:00-11:00	5:00- 6:00	5:00-11:00	5:00- 6:00	5:00- 6:00
WTIC	Hartford, Conn.	475.9	5:30-11:00	4:00- 9:30	5:30-11:00	Silent	5:30- 9:00	5:30- 6:30	5:30-11:00
WWJ	Detroit, Mich.	352.7	Silent	5:20- 9:15	5:00- 8:00	5:00- 8:00	5:00- 9:00	5:00-11:30	5:00- 9:00

STATIONS IN ORDER OF WAVE LENGTHS

Meters	Call	Meters	Call	Meters	Call	Meters	Call	Meters	Call	Meters	Call
209.7	WSBC	265.6	WMAK	285.5	WKAR	336.9	WJAX	394.5	WFI	461.3	WCAE
217.3	WOK	266	WBCN	285.5	WREO	340.7	KFAB	394.5	WLIT	467	KFI
222	WCOA	266	WGHB	288.3	KFKX	340.7	WKAQ	394.5	WOAI	468.5	WCAP
226	KFWI	268	KFH	288.3	WLWL	340.7	WMCA	399.8	WHAS	468.5	WRC
226	WBBM	268	WTAG	293.9	KTBI	344.6	WCBD	399.8	WHT	475.9	WBAP
226	WIBO	270.1	WEAN	293.9	WAIU	344.6	WLS	400	PWX	475.9	WTIC
232.4	KFON	270.1	WGHP	293.9	WEAO	348.6	KOB	405.2	KHJ	475.9	WFAA
240	KFVE	270.1	WOI	296.9	KPRC	348.6	KWSC	405.2	WOR	480	CYL
240	KTAB	272.3	KWKH	299.8	KUOA	348.6	WEEI	406	WBAR	483.6	WOC
240	WDBO	272.6	WBBR	299.8	KSL	350	CZE	410.7	CKAC	483.6	WSUI
240	WOAX	272.6	WEBJ	299.8	WPG	352.7	WWJ	416.4	WCCO	491.5	KGW
242	WOOD	272.6	WFBH	302.8	WGN	356.9	CFCA	421	KIAF	491.5	WEAF
244	WAMD	273	WRW	302.8	WLIB	356.9	CKCL	422.3	WLW	499.7	KFRU
246	WBAL	275.1	WHAD	305.9	KTCL	356.9	CKNC	422.3	WKRC	499.7	WMC
250	KFXF	275.1	WHAR	305.9	WJAR	361.2	KGO	428.3	WSB	502.8	KFQB
250	WGES	275.1	WORD	309.1	KDKA	361.2	WHN	428.3	KPO	508.2	KLX
250	WMBB	275.1	WSWS	315.6	KFDM	365.6	WDAF	434.5	CNRO	508.2	WIP
252	KFWB	275.3	WJAS	315.6	KPSN	365.6	WHB	434.5	CFCN	508.2	WOO
252	KMA	278	KOIL	315.6	WAHG	370.2	WEBH	434.5	NAA	516.9	CJCA
252	WGCP	278	KWWG	315.6	WGBS	370.2	WJJD	435	AT9	516.9	WCX
256	WRVA	278	WCAU	319	WGR	374.8	KTHS	440.9	KLDS	516.9	WJR
258	WADC	278	WGBU	319	WSMB	379.5	WGY	440.9	WDWF	526	WHO
260.7	KFWA	278	WOQ	322.4	KOA	379.5	WHAZ	440.9	WOS	526	WNYC
260.7	KFJF	280.2	KMOX	322.4	WJAZ	384.4	CKY	447.5	WMAQ	526	WOAW
260.7	KWKH	280.2	WNAC	325.9	WSAI	384.4	KJR	447.5	WQJ	535.4	KYW
260.7	WMAZ	282.8	WOAN	333.1	WBZ	384.4	WMBF	454.3	KFOA	545.1	KFUO
263	WBPI	282.8	WSM	336.9	KNX	389.4	WEAR	454.3	WJZ	545.1	KSD
263	KFNF	285.5	WEMC	336.9	KFMX	389.4	WTAM	455	KTW		

SHORT WAVES
By Marcella

(Continued from page 8)

5 feet, 3 inches tall, weighs 115 pounds, and is a cartoonist for the Chicago Pennant company during his spare time. His home is Shenandoah. Write him a letter, as he "would be glad to take up correspondence," and perhaps he'll draw you your pictures.

* *

E. Y. and Mrs. C. H. B., I regret to inform you that Mr. Friedlander, "The Voice of the Air," for the Northside Realty company broadcasting through Station WBBM, Chicago, is off the air. He jokingly asserted that State's Attorney Robert E. Crowe and Charles V. Barrett, of the Cook County board of review, were sitting in a cabaret from which he was announcing. Inasmuch as neither of these men was there, as was broadcast, but both are politically prominent and had reputations at stake, Mr. Friedlander was arrested. No "slander" law for broadcasting stations is on the statute books and so he was arranged for disorderly conduct and fined. His attorney appealed, but in the meantime the Northside Realty company decided to discontinue broadcasting. Therefore, summing it all up, I'm afraid you won't hear "The Voice of the Air" for some time, at least not over WBBM.

* *

In a heart-breaking answer to my many sisters of the fair sex who have asked about Francis Craig, whose orchestra at WSM has been drowned in letter applause, I must confess that he is married—and as he says, "to the sweetest girl in Tennessee." He answers to this: Height 5 feet 10 inches, age 25, but you'd be surprised, weight about 150 pounds, soulful brown eyes, romantic black hair, directs his own orchestra and swings a mean baton. Also, he's one of the hottest blues piano players in the Tennessee hills, and even the mountains shake every time he hits the keys. And come to think of it, he's the descendant of a Scotch baronet. I don't know how direct. Anyway, he records on Columbia records, which is an achievement the elder Baron Craig can't boast of.

* *

I am indebted greatly to a well-known Radio announcer, who wishes me to keep his name a secret, for the following information regarding Mac Ohman, which is authentic. Mac, the sartorial treat of Radio, has sung his way into the hearts of thousands of listeners from practically every station in the Middle West. Mac (and f'evvens sake don't call him "Max") is of Scotch descent, but never uses "it," and for the greater part of his 26 years, has lived in Omaha, Nebr., where he was educated and, at the time he entered Radio, he was launched in the insurance business. He finally deserted insurance for songland and is now one of Chicago's favorites. Mac is not related to Phil Ohman, of which he says, "Is just too bad for me!" Mac is a treat to the eye as he propels his five foot seven into the studio, pulling his gay, yellow-spatted feet after him. Effervescing youth and ambition, he is always going elsewhere or coming back, and to hold conversation with him, one has to catch him in a corner. At present he is all enthusiastic over his latest song composition, "Maytime and You," which shortly will be released.

* *

What deep secret would you like to know about your favorite broadcast star? Drop me a note, girls and boys, and I'll do my best to answer here. MARCELLA.

PLANNING SAVES TIME

(Continued from page 8)

Time may be saved by changing the method of preparation of the food so as to save utensils and work. Drop biscuit or emergency biscuit which can be made up more quickly than rolled biscuit is a good example. It takes less time to drop the biscuits than to roll and cut them, and you do not have the board and rolling pin to wash.

If you have a hot oven, many vegetables may be heated with butter or cream in the oven, where they do not require as much attention as if they were heated on top of the stove. Furthermore, they can be left in the oven until the last minute and so be piping hot to serve.

Breakfast is usually a hurried meal, but may be prepared with greater ease if careful plans are made the night before. If the cereal is partially cooked the night before, it is not only more thoroughly cooked but time is saved in the morning.

We are all interested in making dishwashing easier. That is one job that any housekeeper would be glad to eliminate entirely. Have you learned that it is much easier to scrape and sort the dishes and place them in piles near the dish pan? If the dishes are well scraped and perhaps even rinsed, the time required for washing is lessened considerably.

It seems unnecessary to tell you that you would save a lot of time and work if you watch the food that is cooking, so that it does not burn or cook down dry in the pans. Such carelessness not only wastes food, but is poor housekeeping because you have to spend so much time scouring and scraping the burned utensils.

Any plan which serves as a short cut for the family of two may be useless in a family of twelve and vice versa. Likewise, one woman's plan for making work easier may make it more difficult for her neighbor. Each homemaker must work out her own individual problems.

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Illustrated

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Announcing Is Disappearing

MORE than half of the mail received by the editor from readers consists in complaints that so-and-so isn't announcing their station sufficiently; that last night the program rolled on merrily for forty-five minutes before the identity of the broadcaster was made known. With such letters to form the basis for an editorial, it might seem logical that we should get behind the "lax" stations and prod their announcers with a few suggestions.

But we shall not.

In the majority of cases reported by listeners, the stations complained of were broadcasting continuity presentations whose illusions would have been severely and damagingly ruined had the call letters or other identifying phrases been broken in ever so often. We like these presentations when they are good. They are very entertaining when well planned, and one does not feel like shifting the dials around, once a good continuity program has been found.

So why announce the station every fifteen minutes or so?

Old-fashioned ideas regarding what constitutes a high quality broadcast program and modern thought in this direction do not coincide. The method of building programs has been and still is undergoing a great revolution. The shout for variety, variety and more variety, which was heard so often during the first several years of broadcasting, is being replaced by the call for better and bigger continuity presentations.

The complaining letters from fans, we feel, will gradually taper off to none as these listeners learn to like and appreciate a good continuity program. Of course, the presentation will probably not make itself felt so strongly among the lower power and less important broadcasters. It will be too costly for such stations to handle.

These stations, then will continue to announce every fifteen minutes or so, and thus satisfy, perhaps, the announcement fans who twist the dials from zero to one hundred unceasingly in the effort to hear some voice say, "This is Station BLAH, at Umptyumpty."

Announcing is disappearing from the select wave bands, and the invisible audience might well develop and change its tastes along with the rapid progress of the continuity presentation.

Slandering Over the Microphone

WBBM, Chicago station, much of whose time was leased to the North Side Realty company, recently made the headlines. The North Side Realty company announcer, in a cabaret where music was being picked up, unwisely told his listeners that State's Attorney Robert E. Crowe and Charles Barrett, co-workers in politics, were sitting at a front table in the cabaret.

Mr. Crowe was listening in at home to WBBM, heard the charges, caused a raid to be made on the cabaret and arrested the announcer. The state's attorney objected to the Radio slander and punished it. The Stewart-Warner company as a result has cancelled its sublease to the North Side Realty company.

It does not pay to make a mistake or a lie over the microphone.

Roumania's Radio Troubles

HOW would American fans like to live in Roumania under existing conditions? Truly the hand of officialdom has pressed very hard upon the listener in that country. A bill has been put before the Roumanian parliament which prescribes that listeners must not only apply in person for a receiving license, but in addition to this they must also bring with them their baptismal certificate.

Further, this has to be accompanied by a reference from some responsible religious leader who shall certify to the good moral character of the applicant. The licenses are issued for one year only, and the costs of several inspectors' visits will have to be met before the apparatus may be touched. It is reported that broadcasting is not doing any too well.

RADIO INDI-GEST

Like Father—Like Son

"Son, I'd hate to think you're lying—
Didn't think my boy would lie!
But I don't think you got Cuba—
Look me right straight in the eye!
Tell me, now, did you get Cuba?
Are you sure 'twas Cuba, son?
Or did you just say it was Cuba—
When it was some other one?

"Oh, you didn't hear him say so?
But you're pretty sure at that?
Son, our set won't get that distance—
You're just talking through your hat!
You exaggerate a whole lot!
Cut it out, son—cut it out!
Never say things 'till you're dead sure
You know what you're talkin' 'bout!"

AT THE OFFICE NEXT DAY:

"Well, Ed, we got Cuba last night!
—On that little set we've got!
Heard them plain as you could want to—
Say, their music sure was hot! . . ."

CHARLES ALLEN BRANHAM

How He Could Sing

I Listened to his sweet voice . . . . over the Radio . . . . Oh Boy how I fell for him . . . . No one can ever know . . . . Each time his voice . . . . Came over the air . . . . I'd tune in just to catch . . . . The accents of his soulful tones . . . . I had hoped to make a match . . . . But I have learned my lesson . . . . I saw him one bright day . . . . I gazed upon his features . . . . And, well . . . . He HAS got a lovely voice.

HAPPY

Franque's Filosofee

It's a Wise Station That Knows Its Own Wave Length.

Alma Mater

Here's to you—Old Indi, and the Drummer and George,
Also The Third Trombone,
And the Night Herd too, and the rest of your crew
That through the ether roam.
The stuff that you give us has pep and a kick—
It's He-Man stuff with a wow.
But by the shades of St. Pat, and the likes of all that,
Watenell are we coming to now?
With "Short Wave Marcella" and all of her bunk
And Betty giving the rule
For flap jacks real flat and as black as your hat
Ye Gods . . . Is it cooking school?

OLD KING TUTT

Cause and Effect

Dear Indi: Please include Lot's wife in the Famous Fans club, because her "impulse" led her to be "detected" and "transformed."

"A FLOP ON THE STAIRS"

by THE THIRD TROMBONE PLAYER

Final Episode—The Fatal Leap

Synopsis—Albert Hoskins, a Radio dealer who made a million dollars through modest claims for his sets, has just paid the state of Wisconsin corporation tax and is wandering penniless down the railroad tracks. Be brave, go ahead.

HARK! What was that?

The scream of a woman in deadly fear wafted to Albert's ears. He rushed to the depot from whence the scream had come and looked in the window.

A Radio set was to be seen . . . . And again that scream . . . . It came from the loud speaker.

Merely the howl from some darn regenerative set. Only that and nothing more. And this was what caused all the trouble related to in the previous installments of this stirring serial.

Moral: Don't cause your set to howl. Then I won't write any serials any more.

Bedtime Rhymes

Twinkle, twinkle, little wave,
How I wish you would behave.
In the open where you are,
You WILL carry squeaks that jar.

JEAN McMICHAEL

Let's Hash This Over

Dear Indi: Last week Betty Crocker said that Meat Pie was an uninteresting dish. Who ever heard of a mystery containing an element of chance being uninteresting?

SHOBIE

Yeh, but what if you haven't got a chance?

Sailor Beware

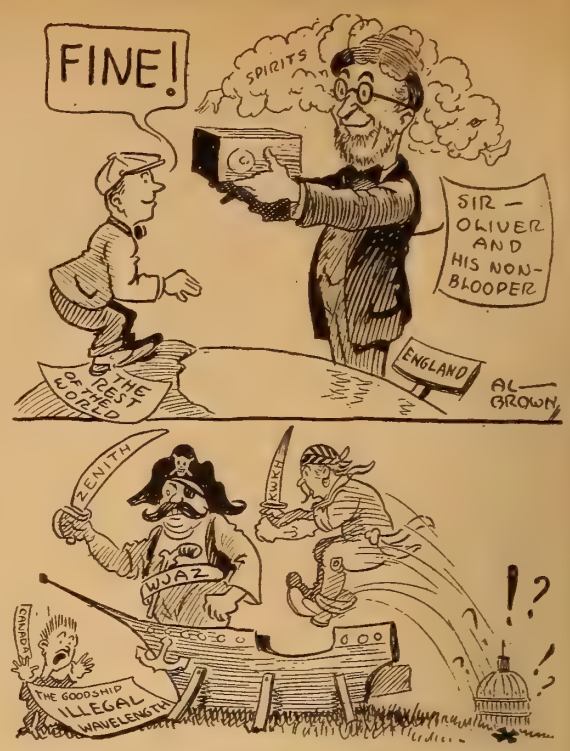
Dear Indi: I have recently purchased a tract of the Land of Youth, in common parlance, Florida, and would like to have you give me a recipe for an under-water aerial.

JAZBO

Sneak over and swipe a piece of the Atlantic cable and use this lengthwise. On both ends, equidistant from the center and each other, fasten two periscopes parallel to the ground wire. Even with this arrangement some of your programs may be drowned out, but the guy that sold you the land should convince you it is all right.

INDI

News of the Week



Condensed

BY DIELECTRIC

It is rather an imposing spectacle to view several hundred or a thousand singers on an auditorium stage, and thrilling to listen to their combined efforts. Broadcasting an oratorio robs us of the "sight" though not of its musical value. The oratorio of "The Messiah" was presented through Station WDAF, Kansas City, leaving those in the Radio audience impressed with having heard a sacred composition ably sung by choirs of balanced voices. Other oratorios might well be sung.

From the broadcasting studio of the New Arlington hotel in Hot Springs, Ark., come some of the most pleasing dance programs. That listened to recently was rendered by orchestra men under the spell of their own playing, who seemed to enjoy every minute of their work. Dr. Spaeth is said to have expressed a conviction that jazz would serve as the nucleus of real American folk music. Maybe so. Most are agreed that it will not continue in its present barbaric form at least. The program referred to was not of the extreme character.

Station WTAM, Cleveland, offered to its listeners recently a group of light opera selections which carried us back some twenty years to find they had not died musically at all—merely the public looks for something new all the time. The choruses were of a robust temperament, entering into their singing with zeal as though the numbers were quite up-to-date. Equally enjoyable was the singing of the soloists selected for the occasion. Not all that is old is trivial.

The appearance simultaneously of two American artists on the Atwater Kent program series had much to do with impressing your reviewer with the character of talent developed in the United States. Helen Stanley divided an excellent concert with Richard Bonelli and the diction of each was notably good. Miss Stanley showed her versatility, mature artistry and flexible voice to advantage in the songs chosen, while Mr. Bonelli's rich baritone shown to equal advantage in operatic or concert numbers.

Station KDKA, Pittsburgh, and a Teaberry chewing gum concert. This particular one was well above the average gum singing. For instance, the basso sang numbers calling for a range of voice that took him to fathoming the depths, while at the same time demanding intelligent expression to insure interest. A quartet's singing of "Now the Day Is Over" verified the announcement of each of the four being members of church choirs. A varied style of composition was evident throughout their work.

No doubt there were many in the Radio audience tuned to Station KOA, Denver, who enjoyed the Mikado male quartet in a concert of old numbers. They opened their part of the program with that familiar song, "Old Black Joe," but with an arrangement of it far more acceptable than ordinarily heard. Other numbers were given with equal attraction. If the four voices were not well harmonized, it is unlikely that feature detracted much—or at all—from the concert.

Station WGN, Chicago, is responsible for the broadcasting of a very good presentation of Gaul's "Holy Grail" by a choir in which the male voices shown to better advantage. It is a work entailing the singing of sustained passages, which is not always successfully accomplished, and the fact of their doing this well deserves special mention. In addition, I wish to pay a compliment to the quality of voice and its control by the contralto soloist of the choir. A distinct feature.

Super-Torodyne: An Improved 8-Tube Super

Part III—Below Sub Panel Assembly and Wiring

By J. E. Owen, Univ. of Okla.

IT IS rather easy to understand why Formica was also chosen for the sub panel, when one goes over the complete wiring directions and notes there is much apparatus for it to support. It is impossible to cover all the wiring in this article, but all except that which is associated with the Victoreen intermediates and binding post panel, will be given.

CORRECTION

In the first article on the construction of the Super-Torodyne, the Jefferson audio transformers were listed through error as Type AL 2 Shielded. The listing should have read: Type AL Sealed.

Each Amperite will be numbered according to the tube with which it is electrically associated. That is, Amperite No. 1 controls the filament current of the tube in socket No. 1 (see figure 7). The mounting directions for the Amperites will be given with the view from the front panel and from the top. The left mounting screw of tube socket No. 1 extends through the sub panel far enough to go through the mounting hole of Amperite No. 1, a tap then holding the Amperite in place. All Amperites except No. 2 are turned crosswise of the sub panel, that is, pointing towards the back and front. No. 2 is turned almost lengthwise of the sub panel, as is seen from figure 7. Each of the Amperites are held in place by the

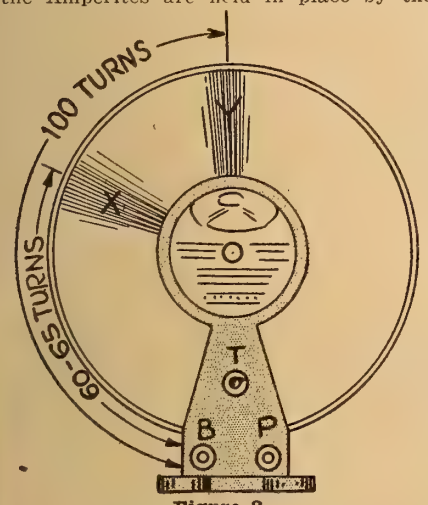


Figure 8

left mounting screws of their respective sockets except No. 7, it being held in place by the right mounting screw.

The grid condenser of the first detector is held in position by a machine screw that passes through the sub panel. The hole for this screw must be drilled through the round opening in the center of the tube socket No. 1. A similar hole drilled through the opening in the center of socket No. 3 allows a machine screw to hold in place the Bremer-Tully radio frequency choke, as may be seen in figure 7.

Have Condensers Clear

Single hole mounting was specified in the second article for the large Hammarlund condensers. Turn the dials to zero; that is, open the condensers to a minimum capacity and note whether or not the rotors of these condensers clear the sub panel. Just below the potentiometer there is a hole in the front panel. A small brass angle fastened to the front panel at the hole on the inside and below the sub panel provides a means of adjusting the position of the sub panel in order that the condenser rotors will clear throughout their entire range. Drill a hole in the sub panel for a means of fastening the sub panel to the angle. It may be necessary to bend the angle slightly in order to get the right position of the sub panel (figure 7). When the condensers are turned to a position of minimum capacity, the rotors may touch one of the Tobe condensers. If this happens, the condenser frame may be rotated in order to clear the Tobe condenser at all positions of the plates.

We are now ready to begin the wiring. Remove the Victoreen transformers, the binding post strip with its brackets, and the second, or oscillator toroid coil. The wiring diagram of figure 2, April 10 issue, will be followed, assuming the use of UX120 tubes in both audio stages. It is necessary to modify the wiring of the audio amplifier somewhat if a UX199 tube is to be used in the first audio stage. A UX120, however, enables the set to give remarkably pure tones at almost excessive volumes, and without excessive B battery consumption. The first part of

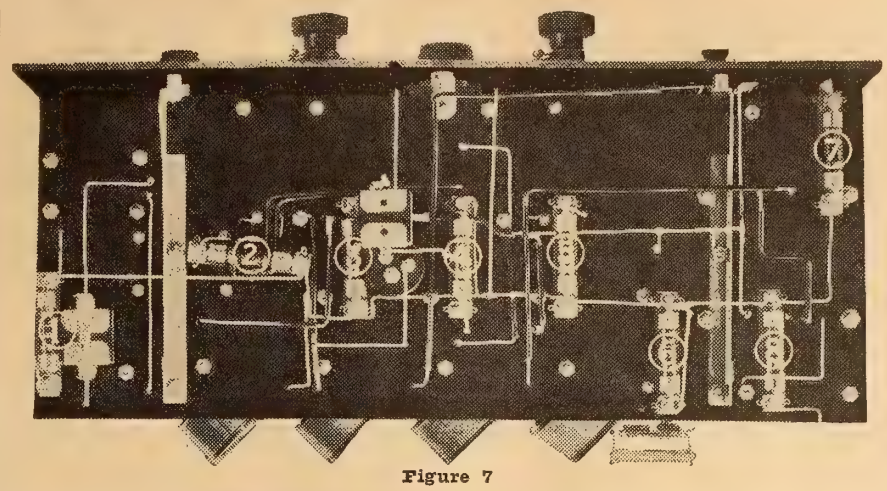


Figure 7

the circuit to be wired is the negative filament leads.

First operation: Run a wire from the front of Amperite No. 1 to the right of Amperite No. 2, then to the back of Amperite No. 3, and to the back of Amperite No. 5 (passing under the cartridge of Amperite No. 4), then to the front of Amperite No. 8 and to the back of Amperite No. 7.

Second: Run a wire from the front of Amperite No. 4 to the negative filament bus wire and solder it. Third: Run a wire from the back of Amperite No. 6 and solder to the negative filament bus. This connects the negative filament bus to each of the Amperites.

Fourth: Run a wire from the back of Amperite No. 1 around the end of the sub panel to the negative post on socket No. 1. Fifth: Drill a hole between the two connection screws on the left Tobe fixed condenser, running a wire from the left of Amperite No. 2 through this hole to the negative post on socket No. 2. Sixth: Drill a hole to the right of the front of Amperite No. 3, running a wire from the front of Amperite No. 3 up through this hole to the negative post on socket No. 3. Seventh: Drill through the sub panel just back of Amperite No. 4, running a wire from the back of this Amperite up through and to the positive post on socket No. 4. Notice that the positive post on socket No. 4 is used for the negative post.

Eighth: Drill a hole to the right of the front of Amperite No. 5 and run a wire from the front of Amperite No. 5 to the negative post on socket No. 5. Ninth: Drill just to the right and at the front of Amperite No. 6. Be careful that the drill does not strike the socket or the Jefferson transformer. Run a wire from the front of Amperite No. 6 through this hole to the negative filament post on socket No. 6. Tenth: A wire may now be connected between the back of Amperite No. 8 with the negative post on socket No. 8, and another from the front of Amperite No. 7 to the post marked positive on socket No. 7.

Positive Filament Circuit

We will now wire the positive portion of the filament circuit. Eleven: Drill to the right of left sub panel bracket and about 1½ inches to the right of the positive post on socket No. 1. Run a piece of wire approximately 19 inches in length, through this hole, and fasten to the positive post on socket No. 1. Bend this wire, or positive bus, in such a manner that it extends to the right under the sub panel. Slip over this wire a 3 or 4-inch piece of spaghetti. Bend the bus toward the front at a point from the left end about even with the right mounting screw of socket No. 2.

Twelve: Drill a hole in the sub panel in front of the positive post on socket No. 3. Just below this point, bend the positive bus to the right and slip on a 1¼-inch length of spaghetti. Now run a short wire down through this hole and solder it to the positive bus. The other end goes to the positive post on socket No. 2. The point that this wire is soldered to is between the two pieces of spaghetti.

Thirteen: Just in front of the positive post on socket No. 3, drill another hole. Run a wire through this connecting the positive post on socket No. 3 with the positive bus. Slip on this bus a 2-inch piece of spaghetti. This positive bus runs under the cartridges of Amperites Nos. 3, 4, and 5.

Fourteen: Drill a hole just back of the negative post on socket No. 4. Run a wire from the negative post on socket No. 4 through this hole just drilled. Place a 1½-inch piece of spaghetti over it and solder the end to the positive bus. Fifteen: Drill a hole to the right of the positive post of socket No. 5, running a wire from this post through the hole, soldering to the positive bus. Sixteen: Drill a hole in front of the positive post on socket No. 6, between the socket and the Jefferson transformers. Run a wire from the positive post on socket No. 8 to the corresponding post on socket No. 6, then down through this hole toward the front and up between the front and sub panel, connecting it to the negative post on socket No. 7. Now cut the positive bus off to a suitable length and solder it to the wire we have just connected to the filament posts of sockets Nos. 6, 7, and 8.

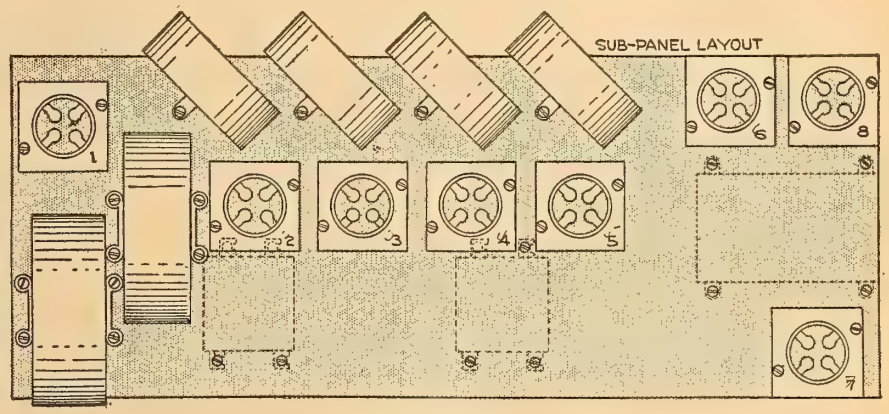


Figure 9

This completes the filament circuits for all tubes.

Use Washers or Taps

Seventeen: Under the sub panel run a wire from the screw, connecting the right terminal of the Tobe fixed condenser under the right Hammarlund condenser, to the negative bus about 2 inches back of it. Similarly, run a wire covered with spaghetti from the left terminal of the Tobe condenser under the cartridge of Amperite No. 2 and solder to the negative bus. Incidentally, the screws giving a connection to the terminals of the Tobe condensers should have washers or a tap between the sub panel and the terminals on the condensers in order that there will be no strain on the condenser terminals when the screw is tightened.

Eighteen: Drill a hole through the sub panel just back of the +B binding post on the left toroid coil. Run a wire from this binding post through the hole and down to the negative bus and solder.

On the frame of the Hammarlund condenser that is on the left, there are two holes that are intended for base mounting. Through the hole to the front, run a ¾-inch machine screw. Using this as a connection to the rotor, run a wire from it down to the rotor connection on the midget condenser, and then bend it toward the back, connecting it to the binding post marked F on the left toroid. Nineteen: To the right of the post marked G on the left toroid, drill a hole through the sub panel. Run a wire from the front of the fixed grid condenser, mounted just under socket No. 1, straight toward the front, then bend it toward the right and bring it up through this hole just drilled. It must now connect with the terminal marked G on the left toroid and then, bending to the right, with the stator connection on the left Hammarlund condenser. Neither of these wires should interfere with the turning of the rotor of the midget condenser. Twenty: Drill a hole back of socket No. 1 and bring through it a wire connecting the other terminal of the grid condenser with the post on socket No. 1 marked G.

Twenty-one: Drill a hole to the right of the post on the left toroid marked F. Bring a wire through this from the stator on the midget condenser. Drill a hole to the right of the post marked P on socket No. 1 and bring the wire up through this hole. Cut it off about 1 inch above the sub panel. The connection here will be made later.

Place Second Toroid

We may now place the second toroid on the sub panel. Twenty-two: On the first, or left toroid, and on its left side, select a wire at the point denoted in figure 8 by X.

(Continued on next page)

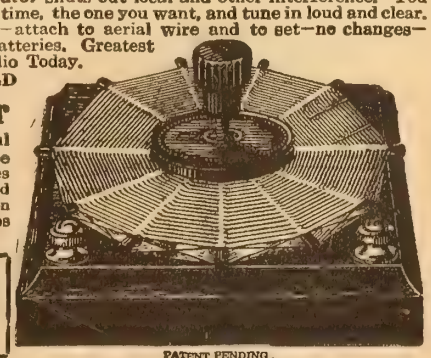
Fred W. Stein.

Steinite Low Loss Interference Eliminator

No Radio Set Complete Without It

Select stations at will. With music and voices crowding the air the average set fails to bring in the desired stations properly. The *Steinite Interference Eliminator* shuts out local and other interference. You get one station at a time, the one you want, and tune in loud and clear. Operates on any set—attach to aerial wire and to set—no changes—no extra tubes or batteries. Greatest Dollar Value in Radio Today.

OVER 300,000 SOLD



Improved Results With Tube or Crystal Try entirely at my risk the wonderful improvement this inexpensive little device will make in the reception of your set. Improves results on both crystal and tube sets that use any kind of aerial except loop antenna. Clears up reception wonderfully, increases volume, and partially absorbs static. ***MONEY-BACK GUARANTEE.***

Mfrs. Famous 1,500 Mi. Steinite 1-Tube Set, $6; Long Distance Crystal Set, $6; Steinite Crystal 50¢—3 for $1

STEINITE 5-Tube Set—$29.75

FREE Descriptive Literature on request.

PATENT PENDING.

Put this interference eliminator on your set and note amazing improvement. No tools needed—install in a moments time. Connect with set and follow simple instructions. Money back promptly if not delighted. $1.00 postpaid anywhere in U. S. when cash with order.

$1 Postpaid If you are not delighted with results you get your dollar back

References: Exchange National Bank, Atchison Savings Bank. Order today—a dollar bill will do.

STEINITE LABORATORIES, 161 Radio Bldg., ATCHISON, KANSAS

WOAW AIDS FRIENDSHIP

(Continued from page 5)

This view of figure 8 is seen when one of the toroid coils is viewed from the left end of the receiver. From this wire scrape the insulation, in order that we may later solder to it. Rosin core solder, or its equivalent, must be used. Twenty-three: Run a wire from the P post on the right toroid coil straight to the left and then bend it up to the wire on the toroid coil we have just scraped. Solder it here. The second toroid coil must be tapped at the point marked Y in figure 8. Twenty-four: Solder a wire at this point and run it down to the post marked B+ on this toroid. Drill a hole to the left of this post and run a wire from it through the hole and solder to the negative lead just below it.

Twenty-five: Drill two holes to the right of the posts on the second toroid such that they will pass just back of Amperite No. 2. Drill two more holes close together just in front of Amperite No. 4, running an insulated wire from the second toroid post marked F to the rotor of the second .000375 condenser, and, similarly, one from the post marked G to the stator of this condenser, these two wires passing through the holes just drilled. A connection is made to the rotor here just as it was to the rotor of the other condenser, except it is made to the rear base mounting hole in place of the one near the front.

Twenty-six: Drill a hole to the left of Amperite No. 4, about even with the mounting screw, and run a wire from the post marked P on socket No. 4 through this hole to one of the screws on the Bremer-Tully choke. Slightly ream one of the holes in the mounting or soldering flanges of the .006 Dubilier condenser and place it on the screw before the wire from the plate of socket No. 4 is put in place. Now tighten the tap on the screw, using a very thin tap instead of the one furnished with the choke. Cut back part of the spaghetti on the wire that goes from G on the second toroid to the stator of the second .000375 condenser, and solder a wire here and to the free end of the .006 condenser. If the taps that are furnished with the choke are used, they will not clear the bottom of the cabinet, but there will be no danger if thin taps are used and the connecting screws cut off close to the taps.

Remove the screw from the second condenser that holds the pigtail support, or stake, in position, and discard the washer. In its place attach a wire that runs down to the post marked G on socket No. 4. Tighten the screw, taking care that the pigtail is not injured or bent.

Two wires are run between the front panel and the sub panel from the two resistance terminals of the potentiometer to the negative and positive filament leads, respectively. Twenty-seven: Drill a hole beneath the binding post marked P on the lower Jefferson transformer. Run a wire from this post through this hole and under the cartridge of Amperite No. 8, then to the right mounting screw of socket No. 6. At the top of this mounting screw, a wire is run to the post marked P on this same socket (No. 6). A hole is drilled to the left of the hole just previously drilled, and one is also drilled just back of the post marked G on socket No. 7.

A wire with a 4-inch piece of spaghetti on it is now run through these holes connecting the posts marked F on both Jefferson transformers. The wire from the post G on the lower transformer goes to the one marked G on socket No. 7. The wire from the post P on the upper transformer goes to the post P on socket No. 7. The wire from the post G on the upper transformer goes to the post G on socket No. 8.

(In his next and concluding article on the construction of the Super-Torodyne, Professor Owen will complete the wiring and assembly details and will include instructions for operating.—Editor's Note.)

"BIG RABBIT"

(Continued from page 16)

not black; he was not the yellow of the common cross-bred negro of the South. His skin had that fuzzy, satiny blackness that gives one an idea rather of the Malay or East Indian than of the negro. He had a certain dignity of carriage and of expression, mingled with the insolence of the "fresh" negro. I had seen the type of insolent negro in northern cities, but never before in Atlanta.

"Mr. Wyeth?" he asked. It was fortunate he did, for as he spoke it flashed through my mind that I had forgotten the name I had chosen.

"Yes," I responded. "Is Miss Tonneson expecting me?"

"She will see you in a moment," he replied, ushering me into the wide hallway which ran entirely through the center of the great house, the stairway rising at the rear in a long single flight.

"You are Trimble, with whom I was speaking?" I inquired.

"MR. TRIMBLE," he corrected calmly, with such a steady look that I felt myself become uncomfortably hot and angry. I knew that such a retort from a negro to a southern man could mean only open defiance and an assertion of equality. Yet, I was determined not to arouse his antagonism.

"Pardon," I said as carelessly as possible. "I mistook you for one of the servants."

"I am Major Gaskill's companion and confidential man," he answered quietly. "Unfortunately, the Major is ill and cannot make you welcome to his home in person."

"I heard downtown he was suffering from gout," I replied with studied indifference, although I knew merely from his tone that he lied in both statements. "Please present my respects to him and assure him that I hope to have the pleasure of seeing him fully recovered within a brief period."

"Major Gaskill will be charmed to make your acquaintance, I'm certain," he responded, evidently flattered at being spoken to as an equal. He turned as he spoke, at the slight rustle of a gown and announced: "Miss Tonneson."

I looked up and beheld a picture which will always remain in the gallery of my memory. The girl, small, slender, exquisite, was just starting down the long flight of stairs, her hand resting lightly on the slender balustrade.

The narrow, oblong window at the head of the stairs, lighted by the rays of the lowering sun, framed her more perfectly than any artist could have done. She was wearing a soft gown of moth gray which clung to her perfect form as she descended so gracefully that she scarcely seemed to be walking. Her wondrous hair was simply dressed. She came eagerly down the last few steps as gracefully and naturally as a child runs. Her face was alight with expectancy and although she was not smiling her eyes seemed overflowing with a smile of welcome. I stood in awkward anticipation, waiting for her to speak, and it was like a blow to me when the negro, with a note in his voice that angered me, although I could not tell why, repeated "Miss Tonneson, Mr. Wyeth."

"I am glad you have come," she said simply, looking at me steadily. "I have wanted to see you to thank you for saving Gambetta."

I laughed, striving to murmur something depreciatory, and to express surprise at the name she gave the dog.

"IT MAY seem a huge name for such a small doggie," she rippled on, her voice thrilling me. "He has a big, brave spirit for such a little body, so I called him Gambetta. It was so brave of you to risk yourself to save him."

The negro stood a short distance away. His presence irritated me and I felt that he was a bar to conversation.

"Come into the library," the girl continued. "Uncle is so sick, and his room is just over the drawing room. Gout must be a ter-ri-ble thing. He cannot bear the slightest sound. I have even had my piano moved to the other side of the house. It is so terrible and they haven't even permitted me to see him for more than a week."

There seemed to be a faint hint of double meaning in the tone of her final sentence. I glanced at the negro as she rippled on, her soft southern notes too soft to be defined as the mildest dialect, and I could have sworn that a look of relief flitted across his face as the girl voiced her belief that her guardian was in the house.

"I am compelled to receive my callers here while Uncle is sick," she went on as she led me into the big, book-lined library, beamed and panelled in dark polished red gum, and lighted from high windows. "It is a dismal old place. I always hated it, even when I was a little girl and papa brought me to this house."

She closed the door leading into the hallway as she spoke, and I felt relieved at the summary manner in which the negro had been eliminated.

"Sit here, please," she directed, indicating a chair at the table. "The chair is more comfortable. I want to thank you again. It was so noble, so brave of you."

I noticed with some surprise that Miss Tonneson had raised her voice, and in an instant, as I washed her, I saw that she was doing it for a definite purpose. I gaped at her amazed. Her manner had changed to one of decision and energy. Still talking in a rather high tone, repeating again and again vapid words of thanks for my action in saving her pet, she ran softly around the big table, and while talking she was writing hurriedly on a tablet of paper. With a meaning glance she indicated a similar tablet and a pencil on the table near the chair she had directed me to occupy.

"It was so good of you to come and give me the opportunity to pay you my thanks," she continued, still writing as rapidly as possible, tearing off the sheets and passing them across to me as she finished. Chattering, laughing and piling praise and flattery upon me, she acted the dual role perfectly.

"Talk commonplace." I read on the first slip she passed me. "Write your replies. He's listening. Keep talking and write."

I glanced across at the beautiful face and saw the anxious, harassed look, and vowed mentally to shield and protect her from the perils that seemed to threaten her.

"It is strange we have never met before, Miss Tonneson," I said, going to her aid in manufacturing conversation. "I shall give thanks to the doggie forever for risking his little life to bring us together."

"I have always lived in Atlanta," she responded, still scribbling. "Ever since I was a baby this has been my home. Major Gaskill has been so kind to me and has taken such good care of me that I call him uncle, although he really is not related to me." There was malice in the slight accents by which she deceived the eavesdropper while enlightening me. "Is this your home, Mr. Wyeth?"

"Yes, I have lived here all my life, except when I was away at school." I said while I wrote:

"Name is not Wyeth. It is Lindsay Mr. Kincaid sent me. I'm to find Major Gaskill."

"Where did you attend college, Mr. Wyeth? I'm so interested in college men," she said as she passed me the slip of paper on which she had written:

"I'M WATCHED every minute. Major Gaskill is not in the house, but Trimble believes I accept his story of the gout. He went away nearly two weeks ago. Trimble is holding me practically a prisoner. I have tried to reach

(Continued on page 22)

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How to Stop Blooping and Man-Made Static

Part XI—Battery Charger Interference

By The Technical Staff

IT IS obvious that when seeking the cause of interference, the first essential should be that of ascertaining the condition of the receiver which is noting the interference, and its accessories. In many instances not only minor defects within the receiver but electrical devices within the home are the creators of noises which may send one to the four corners of the winds in search, only to return exhausted and to locate the trouble within the confines of one's abode. Within the receiving set, probably the most consistent creator of scratching noises which at times entirely obliterate reception, is the partial or total shorting of the variable condensers used for tuning.

It should be remembered that dust collects within the receiver. While, in general, such collection does not create any adverse condition, yet when this dust collection adheres to the plates of a condenser sufficiently to bridge the gap between the stator and rotor plates, the result will surely be a scratching noise as the condenser plates are rotated. At times the accumulation may be so great as to create a short circuit, causing the receiver to become inoperative at given points of dial rotation.

It is therefore timely advice in suggesting that a periodical inspection of condensers, and a dust cleaning of the total interior of all Radio receivers be placed upon our schedule of "Things I Must Do Today."

Another source of local interference (that which occurs within the home), which is not known to but possibly a few, and to them, the remedy is not apparent, is that caused by the use of battery chargers employing rectifying bulbs. Having like interests at heart, the Kodel Radio corporation instituted a series of most exhaustive tests in an attempt to discover, if possible, the phenomena which caused sudden surges or bursts of static. Their findings are of such general interest that we are repeating their report in part, for the benefit and help it offers not only to the individual but to Radio clubs as an assistance in their club work.

"Radio interference has been the subject of laboratory experiments in hundreds of laboratories throughout the country during the fall and winter months when Radio fans experienced more interference than ever before. This was apparent in a high degree during the recent international test week, when all American stations were off the air and still fans experienced the same interference as before. Engineers in our laboratory have been experimenting for months, this laboratory being located at our factory, where a great many battery chargers are constantly being tested.

"Throughout the tests, bursts of static constantly interrupted reception and after exhaustive search the theory was advanced that such static bursts were produced artificially, and evidently being created by the rectifying tubes used in the chargers. This unusual theory was slow in meeting acceptance and it was not until a multiple of tests had been made that sufficient evidence was accumulated to support the theory. In making these tests, considerable astonishment followed the discovery that the rectifying bulbs as used in the bulb type chargers were producing pronounced static charges at apparently regular intervals and creating an intermittent interference which affected the test sets used for the experiments.

Indict Bulb Type Chargers

"Continued experimentation proved that all types of rectifying tubes as used in the bulb type battery chargers, transmitters, eliminators and power units, expelled a series of frequent crashes of artificially produced charges. The findings naturally caused our engineers to be firm in their belief that the number of rectifying tubes in use throughout the country in bulb type battery chargers, transmitters, battery eliminators and power units are sufficient to create an artificial static of sufficient volume to prove an annoyance to those owning Radio receivers.

"The theory—and it remains but a theory for further experimentation—has not progressed to the stage whereby a positive answer to the problem can be given, both as to the creative cause and its quantitative effect. However, the theory defined in the light of past research is that the electrons within the rectifying tube, through friction, generate a sufficient power which cannot be dissipated until such force is accumulated that it breaks down the resistance barrier and explodes. This causes the artificial crashes of static, or something so similar in effect that the ear cannot distinguish the difference. Following each discharge, the electrons again begin to build up to the breaking point, and it is this continued 'spill' which wrecks havoc with one's ears. One might liken the cause and effect as identical with the loading and 'spilling' of a condenser.

Simple Test for Home

"In order that a simple test may be carried on in the home, in an attempt to hear the effect of artificial static as above described, a small wire may be stretched from the antenna post of a sensitive receiver, still leaving the antenna connected. This wire should reach to within a few inches of the bulb, and the bulb should be in operation. You may then turn on the receiver and listen, either with head phones or a loud speaker, the loud speaker being preferable, and you will hear at almost regular intervals the static bursts.

"Before determining the actual cause of the annoyance, our engineers sought and discovered a solution to the problem, which is not only simple of application, but entirely operative. The method thus employed was that of shielding the rectifying tube and grounding the shield to earth. Such an arrangement in effect causes the earth ground to act as one element or plate of a condenser, the opposed or remaining plate being the tube and its content, the ground plate acting as a by-pass to earth for the static discharge influence created. It is of further interest that with an arrangement such as noted above, the tendency is to drain the charges naturally and prior to such time as they would build up to a point wherein a crash would occur with the break down or 'spill,' preventing noise.

"It is anticipated that special processes will be available with which the exterior of the bulbs may be coated with silver, which in turn may be grounded and thereby materially assist, through correcting this now inferred trouble with bulb rectifyers, in adding our assistance toward interference elimination."

Vibrating rectifiers which show a spark when in operation as the contact is made or broken, constitute another source of annoyance, which is equally entitled to consideration and rectification. The remedy in such cases is obviously that of so adjusting the swing of the breaker as to eliminate any tendency for it to spark, and to replace contact points which have become worn or pitted.

In order that each may do their part toward assisting the composite listener enjoying an evening of non-interference entertainment, battery charging should preferably be done during the day when, quite likely, the least number of listeners would be effected from interfering surges or defective vibrator contacts.

KMOX IS VOICE OF CITY

(Continued from page 6)

Recently "Smiling" George Junkin, announcer of the WSWS Radio station in Chicago, has been signed up to the KMOX staff. George has been around some and knows all the announcers in the United States by their first names, so it is said (but not by George). If you want to know what "Smiling" George thinks about his new job we submit a quote from an interview in the Globe-Democrat.

"I consider KMOX one of the five leading broadcasters in America," he said. "Its financial condition, management, personnel, equipment, facilities and program material place it easily within this group. It has all that is necessary to build into a popular presentation of programs on the air. The chief idea of a broadcast station should be to work up a continuity in its presentations, and KMOX has the proper facilities to do this. The orchestra, carefully selected so that every individual is an artist on the instrument he plays, is the essential background which can not only play symphonies, but light music as well."

And that is what "Smiling" George Junkin says.

The pictures herewith do not begin to represent the variety of talent and entertainers. There have been many celebrities including Rosita Forbes, famous explorer; John Phillip Sousa, Arturo Mondragon and others. Even talented children are heard, as the Kimmel Kiddie Frolicsters.

The Voice of St. Louis is heartily recommended to Radio audiences, America over, as a voice well worth listening to.

Billy Spear's travelogues on "What to See in America" which are given every Wednesday evening on the Stewart-Warner Touring Bureau program through WBBM, are proving one of the most popular features at that station. Billy takes the entire studio staff on a Radio tour, by automobile, mixing humor, music and little travel novelties with an interesting view of the city visited.

The sweeping popularity of the new Crosley 4 and 5-tube sets continues unabated and evenly distributed between all four models, because each represents the utmost in radio at its particular price . . . or anywhere near that price! $29 . . $38 . . $60 . . $75—without accessories.

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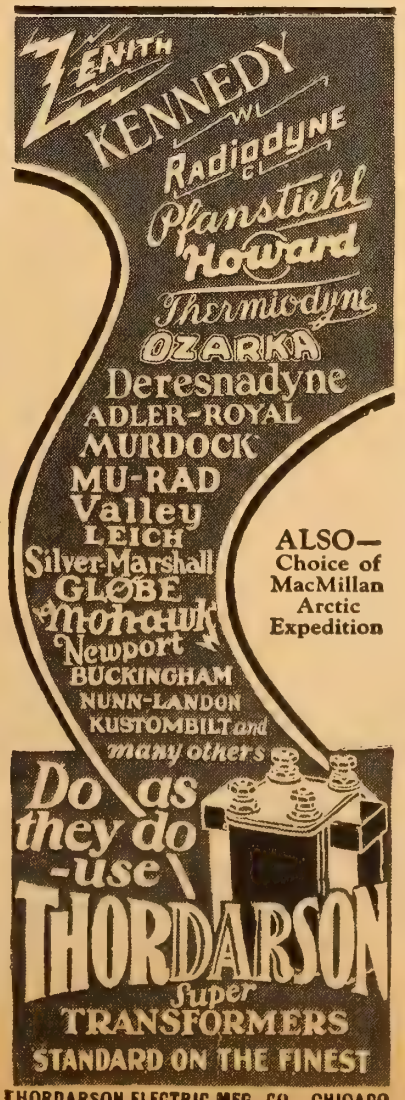

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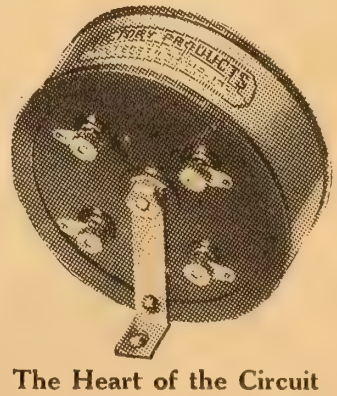

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"BIG RABBIT"

(Continued from page 20)

Mr. Kincaid, but I am listened to every time I talk over the phone and guarded when I go out. I am beginning to be afraid."

"I am a Columbia man," I replied to her verbal question. "Were you ever in New York?"

"Do you know where Gaskill went?" I wrote.

"No, I have never been in New York. I'd dearly love to see the city. Uncle has promised me I shall go sometime. Perhaps we may go when he recovers from his gout."

"No," she replied on paper. "Trimble came. It had happened before so I listened. They talked of some place south.

Trimble grew suspicious of me and has been keeping me here. Says Major Gaskill ordered him to keep me in the house during his illness."

"I hope to have the pleasure of showing New York to you sometime," I managed to say by controlling my voice with an effort.

"Is there anyone you can trust in the house?" I wrote. "Can you send a note? I'll watch and see no harm comes to you."

"Of course," she said, speaking easily, not a note of her voice betraying her anxiety. "But I would love to travel, to see the world. I have been to so few places."

"Trust mammy Hannah," she scribbled. "Give me the address; I'll send her with a note if I need help."

OUR conversation had become a trifle disconnected as we continued to exchange notes rapidly; but it passed with the eavesdropper whose suspicions, if he had any, were lulled as we both heard his soft footsteps retreating toward the rear of the house at the sound of an altercation at the kitchen door.

"Shall I notify the police and take you from here?" I whispered quickly when certain the negro would not overhear.

"I can't; I won't have it," she answered hurriedly and anxiously. "I'm not molested, only watched every minute. I could not bear the notoriety. I'll send if I need you. I've been in terror for two days for fear Trimble might attempt to kidnap me."

"Has he any help in the house?" I whispered.

"Yes, Tillie, my colored maid, is his helper. She does everything he wishes, even to spying on me. He has great power over the negroes; they call him King Solomon; or rather he calls himself that."

"Why don't you retreat to Mr. Kincaid's house?" I urged. "He is very anxious."

"Because I am afraid that if I show Trimble that I understand, he would resort to anything, even killing, to stop me. I must pretend to be ignorant. If I get a chance, I shall go to Mr. Kincaid and claim his protection."

"Why not go out with me when I go?" I whispered eagerly. Her warning finger notified me the negro had returned to the door.

"I must find the culprit and let him thank you in person for saving his life," she said, almost in a gay tone. She tripped to the door and threw it open, and as she did so the sound of retreating footsteps was plain.

"Trimble," she called clearly. "Trimble, bring Gambetta here. I want to have him thank Mr. Wyeth."

It was consummate acting, and I gloated inwardly at the act of the girl in imperiously commanding the negro who, as we both knew, probably controlled her destiny for the time. Trimble, scowling darkly, came with the fluffy white dog. We caressed and petted him as Miss Tonneson held him close in her arms, calling him "naughty doggie" and making him bark to thank his rescuer.

Within me a struggle was going on. The desire to make a sudden attack upon the giant negro and give the girl a way to freedom almost overmastered me. I realized it was foolish, that our fears might be purely imaginary, that my errand was to find Major Gaskill.

"You must come again to see Gambetta and me," she said as we clasped hands at parting. "Come when Uncle is better. I hope you will see him soon." A gentle pressure of the hand gave double meaning to the last statement.

Trimble opened the door for me. His eyes were dark with humiliated pride at being treated as a servant before me, to whom he had boasted of being Gaskill's confidential man. I feared the girl had angered him. As I went down the broad steps, my brain whirling with mingled emotions, I heard the heavy bolts shot and a wild longing to turn and drag the girl from the house of mystery seized me.

Who was Trimble? What evil portends? Follow the exciting developments that befall Miss Tonneson, Wen and Dick in the next installment in Radio Digest.

(Copyright 1926 by Hugh Fullerton. All rights reserved)

A series of interesting lectures on popular astronomy are being broadcast Thursday nights, at 7:45 p. m. Central time, from Station KLDS, Independence, Mo. Dr. R. R. Fleet, of William Jewell college, who received his doctor's degree at Heidelburg, gives the talks.

Here and There with the Radio Clubs

Alphabetically, the Wilmington Radio club, Wilmington, N. C., is some distance behind the A's. But with one jump and a brand new idea it tops this week's column. Quoting Herbert Ford, secretary: "If you wish to send an applause telegram to a station, it won't cost any more if you have the wire signed with the name of your club." The above is but another angle of publicity for your city and your club.

* *

Broadcast listeners and their organizations throughout the United States are urged by Herbert A. Luckey of the Broadcast Listeners Association of Indianapolis, Ind., to send immediate telegrams to James A. Watson, chairman of the senate committee on interstate commerce, protesting his opposition to the passage of the White Radio bill.

* *

Lansing, Mich., has "cut in" by calling their anti-bloop organization, the Lansing Radio Listeners league. "Just to give you an idea as to how far we are going toward cleaning up interference," writes L. C. Reed of the executive committee, "we intend to hire an expert Radio man, equip a car with special detection apparatus, and clean up. We don't know it all and will be grateful for helpful letters."

* *

"To be or not to be" was one of the chief subjects before the Ithaca (N. Y.) Radio association recently in connection with superpower station WJZ at Bound Brook, N. J. New Jersey interests have been endeavoring to have that station eliminated, but the Ithaca listeners are all for it and have so told Secretary Hoover in a resolution. This club of live wires, which is headed by Prof. W. C. Ballard, is also getting up a questionnaire to be filled out by all listeners in the territory, relative to reception conditions and interference, which is expected to prove of much value.

* *

We hear from Pittsburgh this week also. There has been formed in that city the Radio Listeners' Association of America with headquarters at room 419 in the Bessemer building. J. A. Simpson is president with an advisory board of which R. L. Border is chairman. It is the purpose of this organization "to primarily promote the interest of the listener and coordinate the work of the manufacturers, the broadcasters and others who enter into the problems of the listener." Every fan knows that reception during the past season has been very poor. Those interested in becoming members should send a post card to Mr. Simpson and will receive an application blank.

* *

The Executive Radio Council of the Second District, Inc., is an entirely non-commercial organization composed of representatives from thirteen amateur Radio clubs in and around New York city. It was formed late in 1920 by several prominent Radio experimenters who saw the possibilities of such a body for the protection, guidance and self-regulation of the several thousand metropolitan Radio amateurs. The president of the council is Capt. George T. Droste and the business manager is Robert T. Morris.

* *

Remember clubs, give the power companies a fair break. Be sure the trouble is the company's before lodging a complaint or going to the city council.

* *

Frank R. Sodaro, Portsmouth, Ohio, is organizing an "I Won't Bloop Club" and putting it over. He will appreciate hearing from clubs that can furnish him with copies of their by-laws. Frank is 104% for non-interference and we hope someone will offer him assistance.

Rev. Harry Sanders, a famous English naturalist, declares that the ant was the first Radio operator. When in difficulties it sends out an S. O. S. on its antennae, and other ants, picking up the message, go to their comrade's assistance.

CLASSIFIED ADVERTISEMENTS

Classified advertisements in Radio Digest produce results. Have you a receiving set to sell? Do you want to buy a Radio? A classified advertisement in this column will sell your set.

Rates are twenty cents a word for each insertions, ten per cent for six insertions, fifteen per cent for twelve insertions, twenty per cent for twenty-four insertions. Name and address to be included at above rate. Cash should accompany order. Minimum of ten words.

Objectionable and misleading advertisements not accepted. Forms close three weeks prior to date of publication, which is Saturday.

BLUE PRINTS

Super using J. K. Long wave Air core transformers and standard parts. Eight tube set with entirely new principle of hetrodyne reception Tone, Selectivity and distant Loop reception. We suggest best parts and can furnish same. Blue prints and instructions, 50 cents. Davisco, 30-A Euclid Arcade, Cleveland, Ohio.

NO MORE BATTERIES—Build "A" and "B" eliminator—operates any set on AC or DC, no hum, satisfaction guaranteed. Complete plans, $2. Engineers' Service Company, Suite 203—15 Park Row, New York.

RADIO

Five tube Radio only $22.50. Seminole Radio, 427 East 16th St., New York.

600 MILE RADIO—$2.95. No tubes nor battery needed. Always ready. Fully guaranteed. 200,000 sold. No grinding. A real Radio. Sent postpaid. Order from this advertisement. Crystal Radio Co., Wichita, Kans.

MISCELLANEOUS

50,000 addresses of consumers that answered a radio ad. for a medium priced set all received since Jan. 1st, this year. We address your envelopes. The F. W. Mead Publising Co., Middletown, N. Y.

Super-Het, Ryan's Simplest Possible 7-Tube Set. Complete instructions, actual size template. How to make a loop. All for 50 cents. Book Dept., Radio Digest, 510 North Dearborn Street, Chicago.

Photos of Your Favorite Radio Stars. Ten cents and coupon appearing on another page of this issue will entitle you to one of the photos from Radio Digest gallery of stars. Radio Digest, 510 North Dearborn Street, Chicago.

SALESMEN WANTED

A PAYING POSITION OPEN to representative of character. Take orders shoes-hosiery direct to wearer. Good income. Permanent. Write now. Tanners Shoe Mfg. Co., 3-717 C St., Boston, Mass.

NICHROME GENUINE NICHROME WIRE
Easy Now to Make and Repair Electrical Appliances
Highest grade resistance wire needed in all electrical appliance building and repair; Absolutely guaranteed up to 660 watts, 110-12-Volts, 6 Amps.
COMPLETE PACKAGE 60c Put up in handy packs, enough to wire or repair range, furnace, iron, griddle, toaster or any appliance, complete with mica washers and full instructions. Or furnished in straight lengths 100 ft or more; small size round or flat 1½c foot; large size round 2c foot. Order today. Either enclose money, stamps or draft.
ANDERSON-PITT CORPORATION
Makers of the Anderson-Pitt Heater
2615 Walnut Street Kansas City, Mo.

BUS BAR WIRE
Use COOK'S
We make a superior wire of pure copper
Every piece of Cook Bus Bar Wire is now plainly stamped "COOK'S"—your protection against substitutes.
It is finished square or round, properly tinned and correctly tempered for radio use.
Furnished in standard lengths of 2 feet.
EDWARD N. COOK PLATE CO.
72 Ship Street Providence, R. I.
REPRESENTATIVES
A. ALLEN SMITH
304 E. Fourth St., Los Angeles, Cal.
WOOD & LANE CO.
915 Olive Street, St. Louis, Mo.
MR. W. I. OTIS
Rialto Building, San Francisco, Cal.
HARRY J. CAFFREY
51 East 42nd St., New York, N. Y.

World's Finest Loud-Speaker
A three foot cone speaker—unit developed by the inventor of the Tropadyne. Can be assembled in fifteen minutes, saving 80% of the cost. Complete Kone Kit with blue prints sold on rigid money-back guarantee — shipped prepaid — $10
Engineers Service Company
Suite 203—15 Park Row
NEW YORK

Yale GROUND HOG DOUBLES POWER AND DISTANCE
The Perfect Ground
Marvelous newly-invented ground gives 100% improved reception. Doubles power and distance. Stops leakage. Reduces static. Stops jangling even in mid-summer. Results never before equalled, users say. Satisfaction Guaranteed.
Proven absolutely essential to clear, powerful distance reception. Draws and holds moisture indefinitely. Highly sensitive to radio energy.
SEND NO MONEY—To introduce, we offer to those who act at once, regular $5.00 size for only $2.00. Send name today and pay $2.00 plus 17c postage on delivery. Or send only $2.00 with order and save postage. FREE—Full description of Ground Hog and big money making agent's offer on request—write today.
Yale Specialty Supply Co.
123 W. 5th St., Kansas City, Mo.
YALE GROUND HOG

ELIMINATE STATIC!
Enjoy perfect reception regardless of weather conditions. The Static Eliminator—the newest and most startling thing in Radio—cuts out practically all static without loss of volume!
And in addition it will help increase selectivity, tune out local stations, sharpen signals, remove noises, lessen interference and prevent re-radiation!
Use it with any receiving set—simply hook up according to our simple instructions and enjoy perfect reception unmarred by static. Satisfaction absolutely guaranteed — Money back if Eliminator is returned within 5 days.
Mail your order today.
$1.00 Postpaid
STATIC ELIMINATOR CO.
643 Dime Bank Bldg. Detroit

AT LAST! UX-112 POWER
Tube attached without re-wiring by Na-Ald No. 112 Connectorald
The UX-112 Power Tube produces increased volume without distortion.
Na-Ald No. 112 Connectorald
No re-wiring—has attachments for B and C Batteries—does not raise tube in socket. Price . . . $1.25
Write
Alden Mfg. Co., Dept. U1, Springfield, Mass.
Alden Processed
NA-ALD
Sockets and Dials

No Noises!
Tones clearer, voices more distinct, and volume greater with—AMPERITE. No moving parts. It brings the utmost out of each individual tube. Specified in the Radio Digest Super-Torodyne. Price $1.10.
Radiall Company
Dept. R.D.-2, 50 Franklin Street, New York City
Write for FREE Hook-ups
AMPERITE
REG U.S. PAT OFF
The "SELF-ADJUSTING" Rheostat

It SEPARATES the STATIONS
One Dial (1 condenser)
GOES THRU STATIC
SUPERPLEX—$80.00 list
Dealers—ask us WHY? Test a sample.
RADIO PRODUCTS CORPORATION, (Inc.)
3816 N. 28th St. Birmingham, Alabama

FOR CLEAR, QUIET "B" POWER
RADIO Storage "B" Battery
12 Cells 24 Volts
Lasts Indefinitely—Pays for Itself
Economy and performance unheard of before. Recharged at a negligible cost. Delivers unfailing power that is clear, pure and quiet. Approved and listed as Standard by leading Radio Authorities, including Pop. Radio Laboratories, Pop. Sci. Inst. Standards, Radio News Lab., Lefax, Inc., and other important Institutions. Equipped with *Solid Rubber Case*, an insurance against acid and leakage. Extra heavy glass jars. Heavy rugged plates. Order yours today!
SEND NO MONEY Just state number of batteries wanted and we will ship day order is received. Extra offer: 4 batteries in series (96 volts), $10.50. Pay expressman after examining batteries. 5 per cent discount for cash with order. Mail your order now!
WORLD BATTERY COMPANY
1219 So. Wabash Ave., Dept. 76 Chicago, Ill.
Makers of the Famous World Radio "A" Storage Battery
Prices: 6-volt, 100 Amp. $11.25; 120 Amp. $13.25; 140 Amp. $14.00. All equipped with Solid Rubber Case.
World STORAGE BATTERIES
Set your Radio Dials at 210 meters for the new 1000 watt World Storage Battery Station, WSBC, Chicago. Watch for announcements.
WEAF WGN WJS KHJ KGO KFAE WJY KOA

Radiophone Broadcasting Stations

Corrected Every Week—Part VI

United States Stations by Wave Lengths

Wave length	Frequency (kilocycles)	Power (watts)	Call signal	Location
202.6	1,480	500	KFXB	Big Bear Lk., Cal.
		10	WEHS	Evanston, Ill.
		10	WIBS	Elizabeth, N. J.
204	1,470	500	WABB	Harrisburg, Pa.
205.4	1,460	50	KFVD	San Pedro, Cal.
		10	KFXD	Logan, Utah
		50	KFXY	Flagstaff, Ariz.
		10	KFYF	Oxnard, Calif.
		30	WCBR	Pvdc., R.I. (Ptb.)
		100	WFRL	Brooklyn, N. Y.
		150	WIBX	Utica, N. Y.
		50	WPDQ	Buffalo, N. Y.
206.8	1,450	500	KFWM	Oakland, Calif.
		50	WGTT	S'n F'nco, Calif
		20	WABW	Wooster, Ohio
		50	WJBA	Joliet, Ill.
208.2	1,440	250	KNRC	H'ywood, Calif.
209.7	1,430	5	KFVE	Eureka, Calif.
		10	KFYO	Texarkana, Tex.
		100	KSMR	Santa Maria, Cal.
		500	WBNY	New York, N. Y.
		100	WCWS	Pawtucket, R. I.
		30	WIBH	New B'df'd, Mass.
		1,000	WSBC	Chicago, Ill.
211.1	1,420	50	KFWC	S. Ber'dino, Cal.
		250	KFWO	Avalon, Calif.
		100	WJBU	Lewisburg, Pa.
212.6	1,410	50	KFWV	Portland, Ore.
		500	KQP	Portland, Ore.
		100	WMAL	Wash'ton, D. C.
		500	WMSG	New York, N. Y.
		500	WWGL	R'hm'd Hl., N.Y.
214.2	1,400	250	KFWF	St. Louis, Mo.
		15	KFXR	Okla. City, Okla.
		150	WCLS	Joliet, Ill.
		100	WKBB	Joliet, Ill.
215.7	1,390	50	KFBC	San Diego, Calif.
		50	KFQW	N. Bend, Wash.
		50	KFUU	Oakland, Calif.
		10	KFXJ	Colorado (Ptb.)
		50	WBBZ	(Portable)
		50	WHBL	Chicago, Ill.
		20	WHBM	Chicago, Ill.
		100	WHBW	Phila'phia, Pa.
		50	WIBJ	(Portable)
		10	WIBM	(Portable)
		100	WKBG	Ch'go, Ill. (Ptb.)
		100	WPRC	Harrisburg, Pa.
		250	WRST	Bay Shore, N. Y.
217.3	1,380	50	KFAF	San Jose, Calif.
		100	KFQU	Alma, Calif.
		500	WFKB	Chicago, Ill.
		5,000	WOK	Chicago, Ill.
218.8	1,370	10	KFJC	Junct'n City, Kan.
		50	KFRW	Olympia, Wash.
		10	WHBU	Anderson, Ind.
		50	WIBI	Flushing, N. Y.
		250	WJBI	Red Bank, N. J.
		50	WSVS	Buffalo, N. Y.
220.4	1,360	50	KFUU	Oakland, Calif.
		5	KJBS	San Fran'co, Cal.
		100	WIBW	Logansport, Ind.
		500	WQAA	Parkesburg, Pa.
222	1,350	500	KZRQ	Manila, P. I.
		50	WBBW	Norfolk, Va.
		100	WBES	Takoma Pk., Md.
		20	WHBD	Bellef'taine, O.
		100	WHBF	Rock Island, Ill.
		100	WHBH	Culver, Ind.
		50	WIBG	Elkins Park, Pa.
		20	WIBU	Poynette, Wis.
		500	WCOA	Pensacola, Fla.
223.7	1,340	100	KFBL	Everett, Wash.
		10	KFQP	Iowa City, Iowa
		100	KFUR	Ogden, Utah
		50	KFVS	C'pe Gir'd'u, Mo.
		10	WBBR	Monmouth, Ill.
		10	WJBG	Charlotte, N. C.
		50	WKAV	Laconia, N. H.
		250	WODA	Paterson, N. J.
		100	WRAF	Laporte, Ind.
225.4	1,330	10	KFGQ	Boone, Iowa
		10	KFIU	Juneau, Alaska
		10	KFKZ	Kirksville, Mo.
		50	KFOB	Burlingame, Cal.
		100	KFOR	David City, Nebr.
		500	KFWI	San Fran'co Cal.
		50	KFQZ	Hollywood, Calif.
		50	WAGM	Royal Oak, Mich.
		1,500	WBBM	Chicago, Ill.
		150	WDAD	Nashville, Tenn.
		100	WEBL	U. S. (Portable)
		10	WEBQ	Harrisburg, Ill.
		20	WFBE	Seymour, Ind.
		1,000	WIBO	Chicago, Ill.
227.1	1,320	100	KFQD	Anchorage, Alas.
		50	KFVN	Fairmont, Minn.
		10	KFXM	Beaumont, Tex.
		100	WDBK	Cleveland, Ohio
		50	WJBR	Omro, Wis.
		500	WOWO	Ft. Wayne, Ind.
228.9	1,310	200	KFLV	Rockford, Ill.
		1,000	KMMJ	Clay C'r, Nebr.
		50	KPPC	Pasadena, Calif.
		10	WAIT	Taunton, Mass.
		100	WBBL	Richmond, Va.
		50	WCBM	Baltimore, Md.
		50	WDBJ	Roanoke, Va.
		10	WGBR	Marshfield, Wis.
		250	WSAJ	Grove City, Pa.
		100	WSAN	Allentown, Pa.
230.6	1,300	5	KDLR	Devils Lk., N. D.
		50	KFAN	Moscow, Idaho
		10	KFDZ	Min'polis, Minn.
		50	KFOT	Wichita, Kan.
		500	KFPR	Los Angeles, Cal.
		500	KQP	Portland, Ore.
		500	KQW	San Jose, Calif.
		500	KUT	Austin, Tex.
		100	WBRE	W'kes-Ba'e, Pa.
		50	WCLO	Camp Lake, Wis.
		20	WHBC	Canton, Ohio
		20	WHBG	Harrisburg, Pa.
		10	WIBZ	Montgom'y, Ala.

Wave length	Frequency (kilocycles)	Power (watts)	Call signal	Location
230.6	1,300	100	WKBE	Webster, Mass.
		50	WTAX	Streator, Ill.
232.4	1,290	10	KFEY	Kellogg, Idaho
		500	KFON	Long Beach, Cal.
		10	WDBZ	Kingston, N. Y.
		50	WHBQ	Memphis, Tenn.
		10	WJBK	Ypsilanti, Mich.
		50	WOKO	New York, N. Y.
234.2	1,280	50	KFUP	Denver, Colo.
		50	KMJ	Fresno, Calif.
		10	WEBE	Cambridge, O.
		5	WFBD	Phila'phia, Pa.
		100	WFDF	Flint, Mich.
		30	WGBM	Providence, R. I.
		100	WGBX	Orono, Me.
		50	WHBJ	Ft. Wayne, Ind.
		100	WJBC	La Salle, Ill.
		100	WQAC	Amarillo, Tex.
236.1	1,270	10	KFLU	San Benito, Tex.
		250	KFOO	Salt Lk. Cy., Utah
		15	KFVG	In'pendence, Kan.
		100	KWKC	Kansas Cy., Mo.
		500	WBOQ	R'hm'd H., N.Y.
		100	WFBJ	Collegev'e, Minn.
		250	WGAM	Camden, N. J.
		500	WGBF	Evansville, Ind.
		100	WGMU	R'hm'd H., N.Y.
		100	WIBA	Madison, Wis.
		100	WRMU	R'hm'd H., N.Y.
		50	WTAD	Carthage, Ill.
238	1,260	15	KFBS	Trinidad, Colo.
		100	KFCB	Phoenix, Ariz.
		100	KFWU	Pineville, La.
		10	KFYJ	Houston, Tex.
		500	KMTR	Hollywood, Cal.
		200	WBBP	Petoskey, Mich.
		3,500	WHT	Chicago, Ill.
		10	WHBN	St. Pet'sb'g, Fla.
		10	WRAW	Reading, Pa.
239.9	1,250	10	KFHL	Oskaloosa, Iowa
		10	KFLX	Galveston, Tex.
		100	KFUM	Colo. Spgs., Colo.
		500	KFVE	Un'sity City, Mo.
		10	KFVI	Houston, Tex.
		1,000	KTAB	Oakland, Calif.
		100	KZM	Oakland, Calif.
		100	WABI	Bangor, Me.
		50	WCAT	Rapid City, S. D.
		500	WDBO	Winter Pk., Fla.
		10	WGBI	Scranton, Pa.
		500	WHAP	New York, N. Y.
		500	WOAX	Trenton, N. J.
		20	WSMH	Owosso, Mich.
241.8	1,240	50	KFFP	Moberly, Mo.
		10	KFPM	Greenville, Tex.
		50	KFXH	El Paso, Tex.
		500	KSO	Clarinda, Iowa
		50	WABY	Philadelphia, Pa.
		50	WCBH	Oxford, Miss.
		100	WCBQ	Nashville, Tenn.
		100	WEBC	Superior, Wis.
		1,000	WOOD	Gr'd R'ds, Mich.
		50	WTAP	Cambridge, Ill.
		500	WWAE	Plainfield, Ill.
243.8	1,230	50	KFVR	Denver, Colo.
		500	KUOM	Missoula, Mont.
		1,000	WAMD	Mi'apolis, Minn.
		50	WEBR	Buffalo, N. Y.
		100	WGBB	Freeport, N. Y.
		100	WNAX	Yankton, S. D.
		100	WRAM	Galesburg, Ill.
		50	WSAZ	Pomeroy, Ohio
245.8	1,220	50	KDYL	Salt Lk. Cy., Utah
		10	KFJI	Astoria, Ore.
		50	KFJY	Ft. Dodge, Ia.
		500	KFVW	San Diego, Cal.
		50	KGY	Lacey, Wash.
		500	WABX	Mt. Cle'ns, Mich.
		5,000	WBAL	Baltimore, Md.
		15	WEBD	Anderson, Ind.
		50	WIBR	Weirton, W. Va.
		50	WQAE	Springfield, Vt.
		500	WRR	Dallas, Tex.
		500	WSOE	Milwaukee, Wis.
247.8	1,210	100	KFBK	Sacramento, Cal.
		50	KFEC	Portland, Ore.
		100	KFIF	Portland, Ore.
		10	KFJB	Marshallt'n, Ia.
		100	KFOX	Omaha, Nebr.
		250	KFRB	Beeville, Tex.
		10	KFYR	Bismarck, N. D.
		50	KWG	Stockton, Calif.
		1,000	WAPI	Auburn, Ala.
		50	WBRC	Birm'gham, Ala.
		100	WCSO	Springfield, O.
		1,000	WEW	St. Louis, Mo.
		10	WGAL	Lancaster, Pa.
		1,000	WIOD	Miami, Fla.
		100	WMAY	St. Louis, Mo.
		100	WNBH	Nw Bdfd, Mass.
249.9	1,200	100	KFDX	Shreveport, La.
		10	KFVY	Albuq'que, N. M.
		500	KFXF	Col. Sp'gs, Colo.
		250	KLS	Oakland, Calif.
		100	KMO	Tacoma, Wash.
		20	KZIB	Manila, P. I.
		50	WFBC	Knoxville, Tenn.
		500	WGES	Oak Park, Ill.
		10	WHBA	Oil City, Pa.
		50	WHBY	W. De Pere, Wis.
		100	WIAD	Philadelphia, Pa.
		100	WLAL	Tulsa, Okla.
		500	WMBB	Chicago, Ill.
		100	WNAB	Boston, Mass.
		100	WNAT	Philadelphia, Pa.
		100	WQAN	Scranton, Pa.
		250	WWAD	Phila'phia, Pa.
252	1,190	50	KFHA	Gunnison, Colo.
		50	KFOY	St. Paul, Minn.
		15	KFPL	Dublin, Texas
		500	KFWB	Hollyw'd, Calif.
		500	KMA	Shenandoah, Ia.
		200	KOCW	Chickasha, Okla.
		50	KWUC	LeMars, Ia.
		50	WBBS	New Orleans, La.
		100	WCAX	Burlington, Vt.
		100	WFBL	Syracuse, N. Y.
		500	WGCP	New York, N.Y.
		150	WNJ	Newark, N. J.
		100	WRCO	Raleigh, N. C.
		50	WRHM	Min'polis, Minn.
		100	WSRO	Hamilton, Ohio
		10	WTAL	Toledo, Ohio

Wave length	Frequency (kilocycles)	Power (watts)	Call signal	Location
254.1	1,180	50	KFEL	Denver, Colo.
		50	KFJZ	Ft. Worth, Tex.
		100	KFLR	Albuq'que, N.M.
		100	KFWH	Chico, Calif.
		20	WABC	Asheville, N. C.
		500	WCAJ	Uni. Place, Nebr.
		15	WCBA	Allentown, Pa.
		500	WEAI	Ithaca, N. Y.
		100	WFBR	Baltimore, Md.
		10	WFBZ	Galesburg, Ill.
		100	WIAS	Burlington, Ia.
		50	WJAK	Kokomo Ind.
		10	WJBB	St. P't'rsb'g, Fla.
		500	WNAD	Norman, Okla.
		10	WREC	Coldwater, Miss.
		100	WSAR	Fall River, Mass.
		100	WTAQ	Eau Claire, Wis.
256.3	1,170	100	KFIQ	Yakima, Wash.
		50	KFUS	Oakland, Calif.
		150	KRE	Berkeley, Calif.
		500	KOWW	W'laW'la, Wsh.
		500	KTNT	Muscatine, Ia.
		100	WBAX	Wilkes-Ba'e, Pa.
		500	WBDC	Gd. Rpds., Mich.
		500	WCSH	Portland, Me.
		500	WDOD	Chat'nooga, Tenn.
		100	WHBP	Johnstown, Pa.
		100	WMBC	Detroit, Mich.
		100	WRAK	Escanaba, Mich.
		50	WRHF	Wash'g'n, D. C.
		1,000	WRVA	Richmond, Va.
258.5	1,160	20	KFPW	Carterville, Mo.
		50	KFUL	Galveston, Tex.
		250	KOCH	Omaha, Neb.
		25	WAAD	Cincinnati, O.
		500	WADC	Akron, Ohio
		100	WHEC	Rochester, N. Y.
		100	WLTS	Chicago, Ill.
		50	WNAL	Omaha, Nebr.
		500	WPCC	Chicago, Ill.
		500	WRNY	New York, N.Y.
260.7	1,150	500	KFJF	Okla. C., Okla.
		100	KFMR	Sioux City, Ia.
		100	KFUT	S. L. City, Utah
		500	KFWA	Ogden, Utah
		1,000	WABQ	Haverford, Pa.
		100	WARC	M'd H'ls'e, Mass.
		50	WDAY	Fargo, N. D.
		250	WEAM	N. Pl'nf'd, N.J.
		500	WKAF	Milwaukee, Wis.
		500	WMAZ	Macon, Ga.
		500	WPSC	State Col., Pa.
		100	WSKC	Bay City, Mich.
		100	WSSH	Boston, Mass.
		100	WTAR	Norfolk, Va.
		15	WTAZ	Lambertv'e, N.J.
263	1,140	50	KFJR	Portland, Ore.
		50	KFMW	Houghton, Mich.
		1,000	KFNF	Shenandoah, Ia.
		50	KTBR	Portland, Ore.
		50	WABR	Toledo, Ohio
		500	WBPI	Newark, N. J.
		250	WCAD	Canton, N. Y.
		1,500	WCAR	San Antonio, Tex.
		5	WCBE	New Orleans, La.
		100	WDAG	Amarillo, Tex.
		50	WEBZ	Savannah, Ga.
		500	WGWY	Min'polis, Minn.
		100	WQAM	Miami, Fla.
		100	WRAV	Yellow Spgs., O.
		250	WSDA	New York, N.Y.
		250	WWAO	Houghton, Mich.
265.3	1,130	50	KFFP	Moberly, Mo.
		100	KFIO	Spokane, Wash.
		100	KFPY	Spokane, Wash.
		250	KLZ	Denver, Colo.
		500	WBCN	Chicago, Ill.
		1,000	WENR	Chicago, Ill.
		500	WGHB	Clearwater, Fla.
		100	WHAV	Wilm'gton, Del.
		500	WMAK	Lockport, N. Y.
		100	WQAM	Miami, Fla.
		100	WTAB	Fall River, Mass.
		500	WWI	Dearborn, Mich.
267.7	1,120	500	KFEQ	Oak, Neb.
		500	KFH	Wichita, Kan.
		50	KFRC	San Fran'co, Cal.
		10	WBBY	Charleston, S.C.
		50	WDAH	El Paso, Tex.
		100	WDRC	N. Haven, Conn.
		500	WEBW	Beloit, Wis.
		250	WFBM	Ind'napolis, Ind.
		100	WJAM	Cedar Rp'ds, Ia.
		100	WJBO	New Orleans, La.
		500	WNOX	Knoxville, Tenn.
		500	WRAX	Gloucester, N. J.
		100	WSAX	Chicago, Ill.
		500	WTAG	Worcester, Mass.
270.1	1,110	500	KFBU	Laramie, Wyo.
		500	KGU	Honolulu, Hawaii
		100	WBAO	Decatur, Ill.
		500	WBAR	Sisiht, Wis.
		100	WDBE	Atlanta, Ga.
		500	WEAN	Providence, R.I.
		1,500	WGHP	Detroit, Mich.
		500	WGST	Atlanta, Ga.
		200	WJAG	Norfolk, Neb.
		500	WJBL	Decatur, Ill.
		750	WOI	Ames, Iowa
		10	WOWL	N. Orleans, La.
		200	WRK	Hamilton, Ohio
		500	WTAM	Col'ge Sta., Tex.
272.6	1,100	100	KFAD	Phoenix, Ariz.
		100	KFDY	Brookings, S.D.
		100	KFIZ	Fond du Lac, Wis.
		50	KFKA	Greeley, Colo.
		100	KFLZ	Anita, Iowa
		250	WBAA	W. Laf'ette, Ind.
		500	WBBR	New York, N. Y.
		250	WDAE	Tampa, Fla.
		500	WEBJ	New York, N.Y.
		10	WFAM	St. Cloud, Minn.
		500	WFBH	Rich'd Hill, N.Y.
		1,000	WHK	Cleveland, Ohio
		250	WIL	St. Louis, Mo.
		500	WRM	Urbana, Ill.
		500	WRW	Tarrytown, N. Y.
		250	WSBF	St. Louis, Mo.
275.1	1,090	50	KFBB	Havre Mont.
		500	KFKU	Lawrence, Kan.
		500	KFSG	Los Angeles, Cal.
		500	KQV	Pittsburgh, Pa.

Wave length	Frequency (kilocycles)	Power (watts)	Call signal	Location
275.1	1,090	50	WABZ	N. Orleans, La.
		500	WAFD	Pt. Huron, Mich.
		500	WBAK	Harrisburgh, Pa.
		250	WBT	Charlotte, N. C.
		500	WCAC	Storrs, Conn.
		100	WCAO	Baltimore, Md.
		100	WEAU	Sioux City, Ia.
		500	WFAV	Lincoln, Neb.
		500	WHAD	Milwaukee, Wis.
		500	WHAR	Atlan. Cy, N. J.
		500	WJAS	Pittsburgh, Pa.
		100	WKY	Oklahoma, Okla.
		20	WLAP	Louisville, Ky.
		100	WMAC	Cazenovia, N. Y.
		15	WOCL	Jamest'n, N. Y.
		5,000	WORD	Batavia, Ill.
		100	WPAK	Agr. Col., N. D.
		250	WSBT	South Bend, Ind.
		500	WSMK	Dayton, Ohio
		1,000	WSWS	Chicago, Ill.
		100	WWL	New Orleans, La.
277.6	1,080	50	KFDD	Boise, Idaho
		100	KFJM	Gd. Forks, N. D.
		500	KOIL	C'ncil Bluffs, Ia.
		100	KUSD	Vermillion, S. D.
		500	KWCR	Cd. Rpds., Ia.
		500	KWWG	Brownsvle., Tex.
		200	WAAF	Chicago, Ill.
		100	WABO	Rochester, N. Y.
		500	WCAU	Phila'phia, Pa.
		100	WDZ	Tuscola, Ill.
		100	WFBG	Altoona, Pa.
		10	WGBC	Memphis, Tenn.
		500	WGBU	Flfd. By-Sea, Fl.
		100	WHAM	Rochester, N. Y.
		500	WHDI	Minneap., Minn.
		500	WLB	Min'polis, Minn.
		500	WLBL	Stevens Pt., Wis.
		50	WMAN	Columbus, O.
		1,000	WOQ	Kansas City, Mo.
		500	WRBC	Valparaiso, Ind.
280.2	1,070	750	KFAU	Boise, Idaho
		1,500	KFQA	St. Louis, Mo.
		1,500	KMOX	St. Louis, Mo.
		500	KOAC	Corvallis, Ore.
		500	WNAC	Boston, Mass.
282.8	1,060	500	WOAW	Lawrcebg, Tenn.
		1 000	WSM	Nashville, Tenn.
285.5	1,050	500	WEMC	Ber. Spgs., Mich.
		1,000	WKAR	E. Lans'g, Mich.
		500	WREO	Lansing, Mich.
288.3	1,040	5,000	KFKX	Hastings, Neb.
		3,500	WLWL	New York, N. Y.
293.9	1,020	750	KTBI	Los Angeles, Cal.
		500	WAIU	Columbus, O.
		500	WEAO	Columbus, O.
296.9	1,010	750	KPRC	Houston, Tex.
299.8	1,000	1,000	KSL	Salt Lake City, Utah
		750	KUOA	Fayettv'le, Ark.
		500	WPG	Atlan. Cy., N. J.
302.8	990	1,000	WGN	Chicago, Ill.
		4,000	WLIB	Elgin, Ill.
305.9	980	1,000	KTCL	Seattle, Wash.
		500	WJAR	Providence, R. I.
309.1	970	1,000	KDKA	Pittsburgh, Pa.
315.6	950	500	KFDM	Beaumont, Tex.
		1,000	KPSN	Pasadena, Cal.
		500	WAHG	Rich'd. H, N. Y.
		500	WGBS	New York, N. Y
319	940	750	WGR	Buffalo, N. Y.
		500	WSMB	N. Orleans, La.
322.4	930	5,000	KOA	Denver, Colo.
		1,500	WJAZ	Chicago, Ill.
325.9	920	1,000	WKRC	Cincinnati, O.
		5,000	WSAI	Cincinnati, O.
329.5	910	500	KWKH	Shreveport, La.
		1,500	WJAZ	Chicago, Ill.
333.1	900	2,000	WBZ	Springf'd, Mass.
336.9	890	500	KFMX	Northfd., Minn.
		1,000	KNX	Los Angeles, Cal.
		500	WCAL	Northfd., Minn.
		1,000	WJAX	Jacksonv'le, Fla.
340.7	880	1,000	KFAB	Lincoln, Neb.
		500	KSAC	Manhat'n., Kan.
		500	WKAQ	S. Juan, P. R.
		500	WMCA	New York, N. Y.
344.6	870	5,000	WCBD	Zion, Ill.
		5,000	WLS	Chicago, Ill.
348.6	860	1,000	KOB	State Col., N. M.
		500	KWSC	Pullman, Wash.
		500	WEEI	Boston, Mass.
352.7	850	500	WJAD	Waco, Tex.
		1,000	WWJ	Detroit, Mich.
360	833	500	KZUY	Baguio, P. I.
		100	WQAO	New York, N. Y.
361.2	830	4,000	KGO	Oakland, Calif.
		500	WHN	New York, N. Y.
365.6	820	1,000	WDAF	Kan. City, Mo.
		500	WHB	Kan. City, Mo.
370.2	810	2,000	WEBH	Chicago, Ill.
		1,000	WJJD	Mooseheart, Ill.
374.8	800	750	KTHS	Hot Springs, Ark.
		500	KVOO	Bristow, Okla.
		500	KZRQ	Manila, P. I.
379.5	790	5,000	WGY	Schenectady, N.Y.
		1,000	WHAZ	Troy, N. Y.
384.4	780	1,000	KJR	Seattle, Wash.
		500	WAAW	Omaha, Neb.
		500	WMBF	Miami B., Fla.
389.4	770	750	WEAR	Cleveland, O.
		3,500	WTAM	Cleveland, O.
394.5	760	1,000	KHQ	Spokane, Wash.
		500	WFI	Philadelphia, Pa.
		500	WLIT	Philadelphia, Pa.
		2,000	WOAI	S. Antonio, Tex.
399.8	750	500	WHAS	Louisville, Ky.
		3,500	WHT	Chicago, Ill.
405.2	740	500	KHJ	Los Angeles, Cal.
		1,000	WJY	New York, N. Y.
		500	WOR	Newark, N. J.
416.4	720	5,000	WCCO	Minn.-St.P., Mn.
422.3	710	1,000	WKRC	Cincinnati, O.
		5,000	WLW	Cincinnati, O.
428.3	700	1,000	KPO	San Fran., Cal.
		1,000	WSB	Atlanta, Ga.
434.5	690	750	AT9	Fort Bragg, N. C.
		1,000	NAA	Radio, Va.
440.9	680	1,000	KLDS	Independ., Mo.
		500	WDWF	Providence, R.I.

Wave length	Frequency (kilocycles)	Power (watts)	Call signal	Location
440.9	680	1,000	WMAF	Dartmth., Mass.
		500	WOS	Jefferson Cy., Mo.
447.5	670	1,000	WMAQ	Chicago, Ill.
		500	WQJ	Chicago, Ill.
454.3	660	1,000	KFOA	Seattle, Wash.
		1,000	KTW	Seattle, Wash.
		1,000	WJZ	New York, N. Y.
461.3	650	500	WCAE	Pittsburgh, Pa.
467	642	4,000	KFI	Los Angeles, Cal.
468.5	640	500	WCAP	Washing'n, D. C.
		1,000	WRC	Washing'n, D. C.
475.9	630	1,500	WBAP	Ft. Worth, Tex.
		500	WFAA	Dallas, Tex.
		500	WTIC	Hartford, Conn.
483.6	620	5,000	WOC	Davenport, Iowa
		500	WSUI	Iowa City, Ia.
491.5	610	1,000	KGW	Portland, Ore.
		5,000	WEAF	New York, N. Y.
499.7	600	500	KFRU	Columbia, Mo.
		500	WMC	Memphis, Tenn.
508.2	590	1,000	KFQB	Ft. Worth, Tex.
		500	KLX	Oakland Cal.
		500	WIP	Philadelphia, Pa.
		500	WOO	Philadelphia, Pa.
516.9	580	5,000	WCX	Detroit, Mich.
		5,000	WJR	Pontiac, Mich.
526	570	5,000	WHO	Des Moines, Ia.
		1,000	WNYC	New York, N. Y.
		1,000	WOAW	Omaha, Neb.
535.4	560	3,500	KYW	Chicago, Ill.
		750	WHA	Madison, Wis.
545.1	550	500	KFUO	St. Louis, Mo.
		500	KSD	St. Louis, Mo.

CANADIAN STATIONS BY WAVE LENGTHS

Wave length	Frequency (kilocycles)	Power (watts)	Call signal	Location
247.8	1,210	75	CFKC	Thorold, Ont.
267.7	1,120	29	CFMC	Kingston, Ont.
		500	CFRC	Kingston, Ont.
291.1	1,080	20	CFXC	New Wstmtr., B.C.
		500	CJYC	Toronto, Ont.
		500	CNRV	Vancouver, B. C.
312.3	960	50	CFCY	Charlotn., P.E.I.
		500	CNRA	Moncton, Can.
329.5	910	500	CFCT	Victoria, B. C.
		500	CFQC	Saskatoon, Sask.
		200	CHUC	Saskatoon, Sask.
		500	CJGC	London, Ont.
		250	CJWC	Saskatoon, Sask.
		5,000	CKCW	Brktn. Jct., Ont.
		500	CNRS	Saskatoon, Sask.
340.7	880	10	CHCS	Hamilton, Ont.
		50	CKOC	Hamilton, Ont.
356.9	840	500	CFCA	Toronto, Ont.
		500	CHIC	Toronto, Ont.
		500	CHNC	Toronto, Ont.
		250	CHSC	Unity, Sask.
			CJBC	Toronto, Ont.
		50	CJCD	Toronto, Ont.
		500	CJSC	Toronto, Ont.
		500	CKCL	Toronto, Ont.
		500	CKNC	Toronto, Ont.
		500	CNRT	Toronto, Ont.
384.4	780	500	CKY	Winnipeg, Man.
		500	CNRW	Winnipeg, Man.
410.7	730	1,650	CFCF	Montreal, Que.
		10	CFCQ	Vancouver, B. C.
		20	CFYC	New W'tm'r, B. C.
		850	CHYC	Montreal, Que.
		500	CJKC	Burnaby, B. C.
		1,200	CKAC	Montreal, Que.
		750	CKCD	Vancouver, B. C.
		50	CKFC	Vancouver, B. C.
		1,000	CNRM	Montreal, Que.
434.5	690	1,800	CFCN	Calgary, Alta.
		750	CHCM	Calgary, Alta.
		250	CHXC	Ottawa, Ont.
		100	CKCO	Ottawa, Ont.
		500	CNRO	Ottawa, Ont.
435.8	688	500	CFAC	Calgary, Alta.
		750	CNRC	Calgary, Alta.
476	640	1,000	CKCK	Regina, Sask.
		1,000	CNRR	Regina, Sask.
483.6	620	500	CFCU	Hamilton, Ont.
499.7	600	250	CFCH	Iroquois, Ont.
516.9	580	100	CFCK	Edmonton, Alta.
		500	CJCA	Edmonton, Alta.
		500	CNRE	Edmonton, Alta.

CUBAN STATIONS BY WAVE LENGTHS

Wave length	Frequency (kilocycles)	Power (watts)	Call signal	Location
200	1,500	20	5AZ	Mantanazs
		10	6HS	Santa Clara
		20	6YR	Camaguey
210	1,430	10	2RM	Havana
225	1,333	5	2XX	Havana, Cuba
		10	6DW	Santa Clara
		10	7AZ	Camaguey
		15	8FU	Santiago
		20	8JQ	Santiago
230	1,304	20	2TW	Havana
235	1,277	10	2AB	Havana
		10	2LR	Havana
		20	7BY	Camaguey
240	1,250	20	8AZ	Santiago
250	1,200	50	Q2LC	Havana
		10	6GR	Santa Clara
		10	6JQ	Santa Clara
		100	8BY	Santiago
255	1,176	15	2BB	Havana
260	1,153	200	6BY	Santa Clara
270	1,110	20	2JP	Havana
275	1,090	5	1AZ	Havana
		5	2JL	Havana
280	1,070	20	2MG	Havana
282	1,060	10	2UF	Havana
285	1,016	100	2HP	Havana
300	1,000	100	2OL	Havana
310	967	100	2RK	Havana
315	952	100	2BY	Havana
320	937	10	2CX	Havana
338	890	4,000	6KW	Twinucu
350	857	10	2CG	Havana
		500	7SR	Elia
355	845	400	2EP	Havana
360	833	100	2OK	Havana
		10	5EV	Colon
400	750	500	PWX	Havana

MEXICAN STATIONS BY WAVE LENGTHS

Wave length	Frequency (kilocycles)	Power (watts)	Call signal	Location
260	1,153		CYF	Oaxaca, Mex.
265	1,130		CYA	Mexico City, Mex.
310	967		CYS	Mexico City, Mex.
			CZF	Chih'u City, Mex.
325	923		CYH	Mexico City, Mex.
333	900		CYX	Mexico City, Mex.
350	857		CZE	Mexico City, Mex.
380	790		CYB	Mexico City, Mex.
400	750		CYZ	Mexico City, Mex.
480	625		CYL	Mexico City, Mex.

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Radio Digest

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Vol. XVII

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No. 4

Hugh Fullerton's "Big Rabbit," a Romance; WLS Homemaker Gives Cheer to June Brides; Burying the Demon Static; "High-Brow" KMTR's Story; Photos of Famous "S-O-S" Casts

No. 6 OFFICIAL BALLOT

Announcers' Contest

RADIO DIGEST THIRD ANNUAL GOLD CUP AWARD

GOLD CUP AWARD Editor, Radio Digest,
510 North Dearborn Street, Chicago, Ill.

Please credit this ballot to:

.....of Station.....
(Announcer's Name) (Call Letters)

Signed.....

Address.....

City..... State.....

5-1-26

WJAZ IS ACQUITTED OF 'PIRACY' CHARGE

COURT FINDS THAT ZENITH ACTS WITHIN THE LAW

Case Shows Inadequacy of 1912 Regulations—Encourages Advocates of Communications Commission

CHICAGO.—The "pirates" of the air have been vindicated. WJAZ can choose any wave length it desires and broadcast at any time it wishes, according to the recent decision of Federal Judge James J. Wilkerson who holds that the Zenith broadcaster is not guilty of a criminal act, and that the actions of the station are within the limitations of the law as it now exists.

The United States government, and specifically the department of commerce, which sought to punish WJAZ and its owners for taking the wave length of 329.5 meters without permission from the commerce department, is the loser of the test suit. The government cannot appeal the decision of one of its own judges.

The 1912 Radio law, the only congressional act by which Radio stations can be regulated, will therefore allow all Radio manufacturers who maintain some experimental work, and all Radio communication companies (which would mean essentially the R.C.A.) to pick their waves and hours, and the department of commerce can do nothing.

Broadcasting Stability Not Threatened

But broadcasters other than those which fall within the classes outlined, must stay on their assigned waves and schedules of operation. KWKH, the Shreveport, La., station, which has been reported to have adopted tactics similar to WJAZ, will no doubt be liable to punishment and confiscation of equipment.

The 1912 Radio law is old and peculiar, however, and many loopholes are left by the fourteen years of Radio progress which have passed by congress without that body realizing it. Perhaps KWKH—and others who decide to try their luck—may succeed unharmed. The next few weeks will tell.

Secretary Hoover Hit by "Brick"

The decision will not, it is believed, cause many stations to shift their wave lengths to ones more favorable, but it most assuredly will point the immediate need of modern and equitable legislation to congress, in whose hands now three different Radio law amendment bills are pending.

Many well-informed leaders and observers of the situation feel that the decision can be interpreted as a "brick" cast at Secretary of Commerce Herbert Hoover's management of the broadcasting privilege. Advocates of an independent government commission of communications, with power to regulate Radio, and in which the department of commerce would be vested with no powers, herald the decision as encouraging.

It is hoped that the White bill, with a poorly defined commission, will be put on the table, and the Borah bill, a much more carefully drawn law providing an excellent commission form of Radio control, be passed as soon as possible.

The Borah bill has just recently been introduced in the senate.

SENATOR BORAH GIVES RADIO BILL TO SENATE

Total Now Three for Legislators to Consider

WASHINGTON, D. C.—Senator Borah, of Idaho, has introduced an entirely new Radio bill in the upper house, which provides for the appointment of a national Radio commission which would take the entire administration out of the hands of the department of commerce.

He goes into the minutest detail as to what the commission is to do, and provides for the appointment of three members by the president of the United States at a salary of $10,000 a year. The bill has been referred to the senate committee on interstate commerce, where the Dill and White Radio bills are now pending. The introduction of this bill is rather an indication that no action will be taken at the present session of congress on Radio administration.

Farthest North Broadcaster Is Found at Bethel, Alaska

SEATTLE, Wash.—The farthest north broadcasting station is being operated at Bethel on the Kuskokwim river, Alaska. Paul Estle, the owner, gives news bulletins on the air twice a week. A low power is used, but this will be increased soon according to plans.

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Looking Ahead

"Mrs. Polybank's Medal," Is an Epic of a Mother's Heroism in the far North. A splash, the baby's face disappeared beneath the waves of the freezing water. But Mrs. Polybank was calm. While the others were stunned with horror, she stepped over the rail, fully dressed——. It's in that big Mid-May Radio Digest, out Friday May 14, and it's a true story with a Radio ending.

Smitty's Ether Busters, Mickey Russell and the Ironing Club stand out as unique features in Port Huron's popular station, WAFD. Port Huron is right on the knuckle of the thumb of the big mitten peninsula. These broadcasters have their own ideas of entertaining Radio listeners. See the next Radio Digest.

It Started With a Special Program by the American Legion in Oklahoma City over KFJF. Ex-service men for hundreds of miles around, their friends and relatives sent in an avalanche of applause letters. And out of that grew the American Legion Radio Post No. 300. See story and pictures in Radio Digest, out May 14.

Hugh Fullerton Never Did a Better Thing Than "Big Rabbit," for which Radio Digest has the exclusive serial rights. With this issue you behold the unhappy Roberta whisked away from her Atlanta home. Wen and Dick are in hot pursuit, but will they find her? The next installment will enthrall you.

Spring Cleaning, How to Get the Most Out of Your Receiver, is the subject of a new series which starts with antennas and how to install them. This series is written exclusively for the man "who doesn't know it all."

Underground and Horizontal Antennae Series has the experimenters on their toes. Send in your name, if you want to help. A new bag of tricks will be given in the second article.

COVER GIRL LIVES IN CITY OF ROSES

PORTLAND, Oregon, is famous as the "City of Roses." The parkways and lawns are radiant with America's most glorious flower. And perhaps that is why Miss Gladys Johnson, the young lady on the Radio Digest cover, finds it so congenial to make her home there.

She is a staff artist at KGW, the Oregonian broadcasting station, and may be heard daily over the air as soloist and in the ensembles. Besides being an accomplished musician, Miss Johnson has starred in several motion picture plays and is quite well-known in vaudeville and symphony concerts.

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GOLD CUP STANDING DIVULGES LEADERS

GIVES NAMES OF SIXTEEN ANNOUNCERS NEAR TOP

Interest High in 1926 Radio Digest Gold Cup Award—Twenty-Three New Candidates

They're off! The barrier is up and the 140 entrees have swung into the race that holds as stakes the third annual Gold Cup Award and the title of the World's Most Popular Announcer. The race got off to a good start with the entrees well bunched and their riders evidently jockeying for positions that will bring them safely around the first turn and well out in front.

Anyway, this is what is causing all the excitement. Here is the first hint at the relative standings of the announcers entered in the Radio Digest contest to decide by a direct fan vote who is the most popular Radio announcer. From inquiries received, the supporters of their favorite announcers are anxious to know how their candidates are getting along in the contest.

Although the deluge of votes has kept the Gold Cup Award Editor from twiddling his thumbs during the past several weeks, the number of votes received is small in comparison to the ballot that will be cast. So the standing given this issue cannot be indicative of the finish. Most of the fans are saving their ballots for the bonus votes granted when a group is turned in at one time.

Sixteen Leaders

This issue the sixteen announcers who have the largest number of votes have been arranged in four groups to prevent any one from being influenced to vote for the leader. Here they are:

First group: Pat Barnes, WHT; Norman Brokenshire, WJZ; Earl E. May, KMA; Hired Hand, WBAP.

Second group: Robert W. Griffin, WHO; Henry Field, KFNF; G. C. Arnoux, KTHS; Clyde Randall, WSMB.

Third group: Phillips Carlin, WEAF; Milton Cross, WJZ; Jerry Sullivan, WQJ; E. L. Tyson, WWJ.

Fourth group: Lambdin Kay, WSB; Louis John Johnen, WLW; Leslie Joy, WEAF; Edward B. Husing, WRC.

But then you never can tell. Who knows? Next issue there may be some new names in the list of the first sixteen and, incidentally, some of this issue's leaders deposed. A great many things can happen when people start to vote. And just now they are voting quite recklessly for their favorite announcers.

New Names Swell List

Last issue there were 117 announcers entered in the contest for the Gold Cup, but still they come. Since that time, twenty-three more announcers have each impressed listeners as being the greatest announcer in the world. Of course, they can't all be the greatest announcer. But there is going to be one announcer gain that title at the end of the contest. He may be one of the 117 previously nominated, one of this issue's list, or he may not yet be nominated. If your favorite announcer has been nominated, get behind him and help bring him one of the highest honors in Radio. If he has not yet been named, name him and boost for him. The twenty-three new candidates, whose nominations were received since last issue are as follows:

Atkinson, Wm. L., WCAO
Church, A. B., KLDS
Connelly, "Dud", WBRC
Darling, C. Walter, CFCF
Dirlam, Curtis, KFYR
Eades, Arthur F., WEEI
Gaylord, Chester, WTAG
Greene, Paul, WSAI
Hall, Robert, WKAF
Haupt, James, WEAF
Heiny, Capt. Jack, WOS
Henlein, John, KFYR
Hohenstein, Rev. H., KFUO
Hughes, Jim, KDKA
Morrison, Claire, KPO
Nealson, T. V., WQAN
"Night Watchman", The WAMD
Pierce, Jennings, KGO
Ross, Geo. F., WRC
Snouffer, Roy, WAIU
Thorwald, John, WRR
Wilkins, Bob, WTIC
Willington, Arthur, KYW

How to Win Cup for Your Choice

Don't miss a single ballot, for when these are turned in to Radio Digest in a group of consecutive numbers, extra bonus votes are allowed the candidate voted for.

The ballots, top of this page, numbered consecutively, will appear in each issue of the Radio Digest until the close of the contest.

Each of these ballots will count for one vote when sent in separately. You can hold these ballots until you have four that are consecutively numbered and when they are sent in, a bonus of eight votes will be granted.

The larger the number of consecutive ballots submitted, the greater is the bonus allowed. Eight consecutive ballots receive a bonus of twenty votes. Twelve consecutive ballots receive a bonus of thirty votes, or a total of forty-two votes. And for a complete series of ballots, including one from each issue from March 27 to September 1, a bonus of fifty votes will be allowed.

TO GREET ROTARIANS OF WORLD

2XBR, PORTABLE, TO TOUR AROUND GLOBE

PRIZE FOR AMATEUR WHO HAS BEST LOG OF TRIP

Motor Transmitter, "Betty Warner," Will Start May 4 from Hollywood on Trip Over World

LOS ANGELES.—When the "Betty Warner," 250-watt mobile broadcasting station of Warner Brothers motion picture studios, sticks its nose out onto the broad level highway that leads from Hollywood to San Francisco on May 4, there will have begun the first lap of a very remarkable trip the itinerary of which will not only include the United States but foreign countries as well. 6XBR is the official call of this short wave portable station, but it will be known as the Betty Warner, so christened because the birthday of the daughter of Harry Warner, president of the motion picture producing firm of Warner Brothers, comes on the day when the start of the trip will be made.

The trip of the Betty Warner in the United States is with the full sanction and cooperation of the department of commerce. The present itinerary includes the following cities: Santa Barbara, San Francisco, Oakland, Portland, Seattle, Spokane, Walla Walla, Boise, Salt Lake, Denver, Hastings, Lincoln, Omaha, Kansas City, Decatur, Chicago, Indianapolis, Columbus (Ohio), Cleveland, Youngstown, Pittsburgh, Washington, Philadelphia and New York.

Thence to Europe and Orient

At the conclusion of the American tour the station will be shipped overseas, and if suitable arrangements can be made with the Radio governing bodies of England, Germany, France, Spain and Italy, 6XBR will make tests in those countries, thence to the Orient, Australia, the Phillipines, Hawaiian Islands and back home to Hollywood.

6XBR, probably one of the best equipped portable short wave stations in the world, will carry three men on this tour. The station itself is mounted on a motor coach chassis, is of 250-watt power and can be set up to broadcast on its assigned wave length of 108 meters in exactly 20 minutes. A description of the set appeared in Radio Digest a short time back.

Amateurs to Aid Tour

The movement of 6XBR, through the cooperation of the American Radio Relay League, will be governed entirely by Frank Murphey, chief electrical engineer of Warner Brothers, who will remain at Hollywood. Each night from 11 to 11:30 p. m. Pacific time, a report will be forwarded to Mr. Murphey by the operators on the coach using a 40-meter wave length. Instructions will in turn be given by Murphey on the same wave length, which, of course, will be in the regular Continental code. The latter will be transmitted between 11:30 p. m. and 12 midnight Pacific time, each night

To stimulate interest in the tour of 6XBR, Warner Brothers have announced a contest in connection with the trip and an award of $1,000, open to all amateurs, will be presented to the operator who furnishes the most complete and accurate log of conversations between 6XBR and Mr. Murphey at KFWB during the international jaunt.

Couzens Advocates One Communications Body

Michigan Senator Criticizes White Bill Commission

WASHINGTON, D. C.—The creation of a commission on communications, which would take over the regulation of Radio, telephones and telegraph, is sought in a bill which will be introduced in the near future by Senator James Couzens, of Michigan.

Senator Couzens does not believe that the secretary of commerce or any other one man should have control of the regulation of broadcasting. He thinks that ultimately a communications commission will be necessary, and he is in favor of its immediate creation.

"I am not in favor of the commission proposed in the White bill," said the Michigan senator. "I think it is a makeshift proposition. Nor do I favor placing Radio with the interstate commerce commission. That body already has its hands full with the railroads.

HOT DOG! THAT'S A MEAN NUMBER

With one fuzzy ear cocked for jazz, Rekcod wags an enthusiastic applause if the syncopation suits her canine fancy. WLS claims this winner of a blue ribbon at the last Chicago dog show as its youngest fan. Next to listening to broadcast jazz music, Rekcod, who is nine months old, enjoys telephoning and can recognize the voice of her playmate, little June Docker of Oak Park, Ill. Radio seems to fascinate the wire-haired fox terrier.

Six Lines Carry Telephone Requests to Station KFOA

SEATTLE, Wash.—A probable solution to the handling of numbers of request and thank you calls is announced by Station KFOA here. A special six-line telephone switchboard has been installed in the station. With this new equipment the station will be fitted to handle city requests with speed and dispatch at the rate of about 400 per hour.

Legion Broadcasts War Songs

SHREVEPORT, La.—Military music popular during the world war, played by the Shrine band of El Karubah Temple, El Karubah fife and drum corps, quartet and other music, will feature the Louisiana Department Legion program to be broadcast from Station KWKH, here, May 6, 8:00 to 10:00 p. m. Central time. A feature of the program will be the rendition of any of the old war tunes requested by veterans.

Five Musicians to Four Homes

CINCINNATI.—Mentor, Kentucky, a town with a population of only 100 people and twenty residences, challenges any other town to produce more musicians, in proportion to population. This challenge was broadcast after a band of twenty-five children came down the Ohio river in a boat and put on a program from WKRC, here, that brought hundreds of letters and telegrams. The average is five children who are musicians to every four residences.

Sure! And It's Good

RADIO DIGEST breaks all records in the big Mid-May special, out Friday, May 14, which has been under preparation for several weeks. Station features, fiction, authentic inside Radio news, technical features and pictures galore.

You'll get a thrill out of "Mrs. Pollyblank's Medal," true story of the far north, a mother's heroism in rescuing her drowning babe from icy waters and how she was rewarded. Little "Mike Alpin" will broadcast a thing or two you never heard before. Ever hear of the Wolverine "Ether Busters"? Wild horse and broncs "ain't in it."

The technical editor takes off his coat, rolls up his sleeves and tells the tinkering set owner how to spring houseclean.

The $500 in awards to the lucky sleuths who doped out the last chapter to "A Step On the Stairs," will be announced.

And don't fail to read the next installment of Hugh Fullerton's romance, "Big Rabbit." You'll cross your fingers every time you see cotton tail.

Remember, the big Mid-May special—ON ALL NEWS STANDS MAY 14.

KTAB AND KOA BOTH TO BLANKET SPHERE

STATIONS BLAZE WAY FOR ROTARY CONVENTION

150,000 Members Will Tune In—International Body Meets in June at Denver

Rotarians far and near, representing more than thirty-five countries, are destined to be serenaded by two broadcasting stations in globe-encircling trials May 21 and 26. The Radio greetings which will permeate the air are in preparation for the international convention of the Rotary organization which will be held early in June at Denver, Colo.

The May 21 program, to be radiated on 240 meters by KTAB, the Post Enquirer station at Oakland, Calif., will begin at 4 a. m. Pacific time. This is equivalent to 10 p. m. May 21 in Australia and New Zealand, and 7 a. m. May 20 in the Eastern time band of the United States. The KTAB program will be more in the nature of civic boosting and will call the attention of members of Rotary, Kiwanis and Lions clubs to the new $10,000,000 harbor project at Oakland.

150,000 Members Will Listen

At Denver, however, KOA will devote the whole night of Wednesday, May 26, to a world girdling attempt in honor of the Rotary international convention to be held in the city in June.

Instructions to stand by already have been sent to 2,500 club organizations comprising 150,000 members living worldwide from Europe and South Africa to South America, Australia and the Orient.

Serving as a backbone to this spectacular dusk-to-daybreak entertainment will be music, including patriotic airs of all nations, to be furnished by the best artists available.

A big feature, it was expected, will be messages of greeting to broadcast listeners from ambassadors and high statesmen representing the principal countries to which the mile-high Rocky mountain station will transmit.

Greetings in Native Tongues

As a means of stimulating additional interest among ethereal enthusiasts, these microphone greetings will be given in the native tongue of the country represented.

Special broadcasts have been planned also for Rotarians at sea, who will be en route to America from all parts of the globe to attend the international convention of the organization, to be held in Denver early in June.

KOA's world blanketing attempt will be launched promptly at 8 p. m. Mountain Standard time, Wednesday evening, May 26, and will be continued without a break until 5 o'clock the next morning.

Records show that KOA without previously undertaking an all-night, long-distance broadcasting attempt, has already spanned both the Pacific and Atlantic oceans, having been heard in the state of Canterbury in New Zealand on the west and Birmingham, almost in the geographical center of England, on the east.

BROADCAST CALL FOR MINISTER OVER WBZ

He Hears and Then Telegraphs His Acceptance

SPRINGFIELD, Mass.—What is believed to have been the first call ever extended by a church to a prospective pastor through the medium of Radio, was made recently over the WBZ microphone when the Chase Memorial Baptist church of Springfield, Mass., broadcast a call to the Rev. E. L. Washburn of Penacook, New Hampshire.

The official board of the church met early in the evening and unanimously voted to call Mr. Washburn and at the same time they expressed the feeling that the call should be made immediately. The aid of Station WBZ, Westinghouse, New England station, was sought and as a result, within less than an hour after the board had passed their vote, the call was broadcast.

Mr. Washburn heard the call and telegraphed his acceptance the same evening.

KTNT Puts up New Towers

MUSCATINE, Iowa.—Two galvanized steel towers are being erected at Calliaphone studio KTNT, here. The towers will be erected with a number of colored flood lights about them to flood them at night.

Their Voices Thrill Millions

These are some of the faces of the players who have thrilled millions in the United States, Mexico, Canada and even more distant points in their presentation of the Radio Digest mystery play, "A Step On the Stairs." Jean Sargent (left) as "Mary Williams," WNAC, Boston, and Bernice Berwin (right), KGO, Oakland, Calif. Top, center, is Wm. M. Sweets, WRC, Washington, D. C.

It was a new thing for the General Electric station, WRC, Washington, D. C., to broadcast Radio drama and a special cast of very exceptional talent was recruited. Applause letters by the thousands confirmed their success. Nola Sanborn (left), violinist, and Gertrude Smallwood, pianist. Madge Tucker (above), director. At the right, a tense moment, when the SOS signals are being heard from Pelican Bay. Seated at table are Jean Farnam Petersen, Maurice Joyce and Madge Tucker. Standing, left to right: Walter L. Teach, Wm. M. Sweets, Edward B. Husing, Martin Scranage and John Davenport Long.

On the other hand, the General Electric station, WGY, at Schenectady, N. Y., has been broadcasting Radio drama almost from the time of its first season on the air and in the lower panel are some of the well-known WGY players. Left to right: Dorothy Vrooman (Aunt Helen), Marietta E. LeTarte (Mary Williams), Ten Eyck Clay, director (Frederick Ardwyn), Witter Cook (Graves), Frank Oliver (Tolliver), and George Markham (Cousin William). Mr. Clay (center) and Miss LaTarte (right). WGY is heard overseas.

A Dead Man's Guests in Play

In the Chicago metropolitan area of approximately 5,000,000 "A Step On the Stairs" was presented by the WMAQ Players of the Chicago Daily News. William Ziegler Nourse, playing "Tolliver," had stepped out of the picture as the above scene was flashed. The others are (from left side of table) Robert Graceland (Henry Graves), David A. Watts (John Carton), Viola Roth (Aunt Helen), Ben Adams (Hari Singh), Florence Bayer (Hazel Stanton), Gloria Chandler (Mary Williams), and Wm. C. Boyden, Jr., (Ardwyn). Mr. Boyden portrait at left and Mr. Nourse at right.

William Ziegler Nourse (above) introduced Radio drama to WMAQ, Chicago, nearly two years ago and has gained a large audience for the WMAQ Players. Mace Blynn (below) is one of the stars of the WOR Players for the great New York City area.

The WOC Players, Davenport, Iowa, were directed by Chas. H. Walsh (above) who took the part of "Lawyer Ardwyn."

Few stations have been favored with a real Hindu to play the part of Hari Singh. At WHO, Des Moines, this character was played by Surendra Mitra of Calcutta, graduate of Iowa State university and well-trained dramatic artist. Other members of the cast in the picture are Katherine Atkins (Mary Williams), Myron Thompson (Tolliver), Wallace Van Oosten (Jones), Arliss J. McKim (Graves), and Margaret Orebaugh (Aunt Helen). Bobby Griffin, assistant announcer at WHO, directs the players.

Lower panel shows WOR Players, Newark. (Detailed story here next week). Portrait: left, Evelyn Lewis (Mary Williams); right, Gertrude Kearney (Aunt Helen). Scene: Miss Kearney, Miss Lewis, Vinton Haworth, Mace Blynn, L. Gordon and Brace Conning, director.

Here's Cheer for June Brides

"Now stir in three eggs," says Ellen Rose (above), talking into the microphone as she advises and works with brides in her kitchen studio.

DON'T Worry About Burning the Biscuits, Ellen Rose Dickey Will Tell Newlyweds All About Making Pies, Cakes, 'Neverything Over WLS, Chicago

By HAROLD P. BROWN

MAY—the first month of the bridal season!

These are the busy and the exciting days for the anxious brides-to-be. There are trousseaus to be made and new home furnishings to be considered. In the offices of the big cities, in the homes—city and country—Betty is getting ready for the big event of her life. Mother is worried and dad is melancholy—daughter, the sunshine of the house, is going away to a new nest.

After the great day, the farewells, the bridal trip and then the advent into the new home—and home duties!

Ah! There's the rub—

What will Betty do then, poor thing, if she hasn't had much experience at baking biscuits, bread, cakes, pies, cooking meats and vegetables?

Well, it won't be as hard as it was when mother was a bride.

Betty will have the advice of some of the most expert home makers in the country right in her parlor every day—blind and deaf, perhaps, but not dumb! No prying eyes, no embarassing questions, just straight talk on what to make and how to make it—right from the Radio receiving set.

PROBABLY one of the best known women to advise housewives over the air is Ellen Rose Dickey of the Sears-Roebuck station, WLS, Chicago. "Ellen Rose," is the name by which she is best known to her listeners. She is a real housewife and a mother, not a mere theorist. She makes and bakes what she preaches and has the resources to make sure she is right before going ahead and broadcasting.

Her "Homemaker's Hour" begins at 9:15 in the morning. Her studio is a well ordered kitchen in the Sears-Roebuck plant where the flour, eggs, milk, seasoning and other ingredients are often stirred, rolled and patted as she turns to the microphone and chats neighborly about it to Mrs. Annabelle Peters of Jasperville, Maine; Mrs. Marion Carter of Boxwood, Virginia; Mrs. Mabel Field of Hastings, Michigan; Mrs. Irving Hill of Tacoma, Washington; Mrs. Catherine Dwyer of Sunmount, New Mexico and a million or so others who tune in for the "Homemakers Hour" at their homes in the areas between those points.

"People sometimes ask me," said Mrs. Dickey to her interviewer, "how a busy housewife can take time out of her early work to listen to a Radio talk at 9:15 in the morning. But it is very apparent that she does. Many not only listen but they make notes and take down the details—especially young brides just learning how to cook and the more experienced housewives who want to find new ways of doing things that they have been doing for years. The thousands of letters prove that they do.

"ONE morning I asked the members of our circle if someone would send me a good recipe for hassenfeffer or any other way for cooking rabbit.

"The deluge of recipes for cooking rabbit almost swamped me. It was simply astounding. I picked out the best of them and made up a special bulletin for cooking rabbit. But the prize contribution came one day in a big bulky package—a poor little bunny all skinned and dressed and ready to be made into hassenfeffer."

During the sausage season she presented her circle of listeners with her favorite sausage recipe. A very, very good recipe, she thought. But regardless of her own opinion there were a thousand or more other women who possessed equally prized recipes and one and all sent them to her, some with samples to match.

So, never you mind, Betty dear, when it comes around time to be thinking of that first dinner—what to do and how to do it. Just dial in 344.6 meters at 9:15 in the morning and Ellen Rose will help you. And if there is anything special you want to know that she doesn't happen to mention, drop her a line in care of Radio Station WLS, Chicago, and she'll either answer you over the air or by mail. It won't be as hard with the Radio as it was when your mother was a girl.

For fifteen years Mrs. Dickey was a "home woman," keeping the hearth for her husband and son, and when circumstances forced her into the business world she capitalized on her knowledge of kitchens and children.

When she talks to the farmer's wives she knows her listeners and their problems from her own personal experiences. Her childhood was spent near Saginaw, Michigan, where her father owned and operated fourteen farms. It was her chief delight to join her father on his trips to these farms where she visited in the homes and was invariably treated to the goodies that the motherly housewives had on their pantry shelves. Many of these families are today her most ardent listeners and she receives frequent invitations to "come for a visit and stay as long as you can."

Lovely pies and exquisite dainties are received by Ellen Rose (left) from the listeners in her Homemaker's Circle. Mrs. Henry Endecavagch (below) of Lemont, Ill., is typical of thousands who are members of this circle conducted by Mrs. Dickey.

"High-brow," and Proud of It

K. M. TURNER, Discoverer of Hollow Carbon Granule for Hearing Devices for Deaf, Applies Invention to Modern Microphone with Surprising Results. Builds Radio Station KMTR and Presents Select Classical Programs.

By G. L. KING

THE afternoon heat of an August day, combining with the steam of the Seine, had wrapped a stifling blanket around the little town of Vincennes, France, driving the shopkeeper back into the cool recesses of his store and the housewife out into the cobbled courtyard where the house cast a shadow that at least gave the impression of coolness.

Apart from the town and near the bank of the stream itself stood an unpainted frame shack, an oddity in a town of stone buildings, in which a middle-aged man, collar off and in shirt sleeves, toiled on slowly in spite of the heat and humidity, too deeply enthralled by the fascination of his work to heed the glaring sun outside and the almost unbearable temperature inside the small room. In one corner stood a small electric furnace and the various workshop appartus of the scientist were scattered about on benches in apparent disorderly array.

The middle-aged man moved even more slowly at his work. Finally, with a glance at the clock, he stepped over and turned off the electric furnace, the absence of whose hiss and sputter seeming only to accentuate the heat of the day. Then an impatient wait until the furnace could be opened and the tiny brick of material taken out. The crust was carefully broken in the center of which was a tablespoon of black pellets, not synthetic diamonds which are usually associated with electric furnaces, each about the size of an ordinary pinhead. These he placed very carefully on a piece of white paper, selecting a half dozen or so to put on a slide under a powerful microscope. The examination under the microscope took only a minute.

THEN the man sat down heavily in the only chair in the place, tilting it back to get an approach to the comfortable angle of the American rocking chair, and rested as only body and mind can rest after a big task is finished. All the afternoon he sat there as the sun slowly crept down to the horizon and the first cool breath of evening came, impervious to the changing temperature, his surroundings, hunger or time, dreaming on and crushing those tiny pills of carbon that had just come from the furnace between thumb and forefinger.

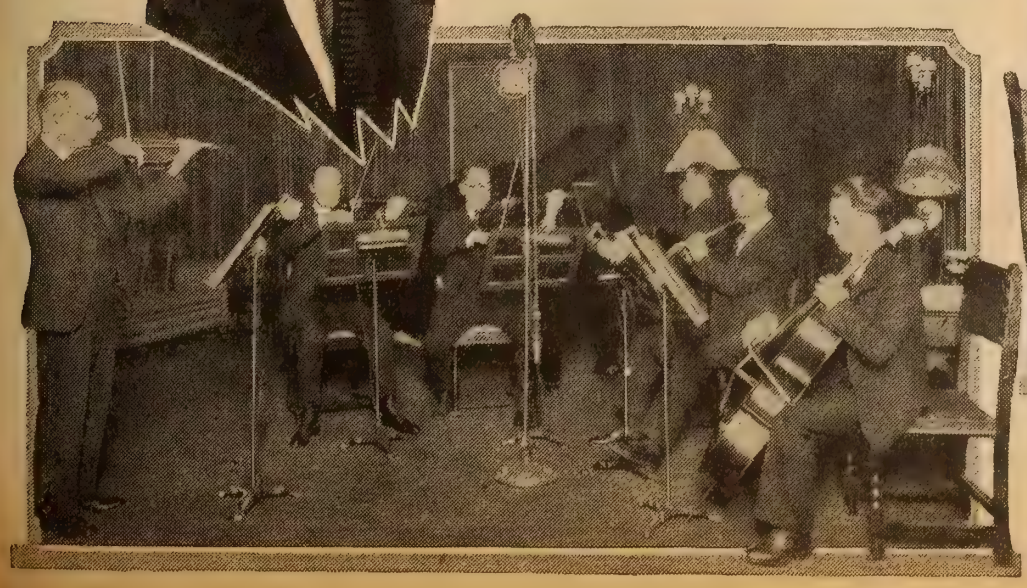
The rather heavy set man was K. M. Turner and on that hot August day in France Radio broadcasting, as we have it today, was made possible. The little black pellets that the furnace had turned out were hollow carbon granules, without which nearly every broadcast station today would be useless, for the carbon pellets are the very heart of the carbon-type microphone so universally used.

But K. M. Turner's thoughts that day did not include the wonder of Radio broadcasting. His interest at that time was in discovering some means to aid the deaf, and the hollow carbon granules meant that the last of his work was done. Upon his return to America the General Acousticon company was formed to manufacture and sell those instruments that have meant so much to the deaf and near deaf, the acousticon. When next you see one of those triangular shaped, flat backed cases upon a person's coat, think of it as a miniature Radio station and the real father of Radio as it is today.

Not only did the discovery of the hollow carbon granule mean a Godsend to the deaf, but the development of the dictograph followed, which has since so spectacularly played its part in crime detection and prevention. Nor did it stop there for the development has gone on and on through a variety of devices, each one of which has meant an additional service to humanity in some form or other. (*Continued on page 13*)

At the top is K. M. Turner, whose careful research made possible the finest sensibility of modern microphone, also head of Turner Radio Corporation. It was Mr. Turner's idea to make KMTR distinctive as "high brow."

"Dad" Carlton King, (left), former motion picture actor and producer, mans the mike at KMTR and supervises the station in general. Below is Loren Powell (left) and his famous KMTR orchestra composed of picked men from Los Angeles Philharmonic orchestra. They are on the air nightly.



But KMTR is not too etherial to afford an hour for the children as may be seen in the above picture. This particular feature is conducted by Miss Georgia Simmons who formerly conducted the Wren's Nest at Atlanta. Above, at the left, is Miss Simmons in negro mammy make-up telling Uncle Remus stories. The other picture shows her as she is. The children in the studio with Miss Simmons help her to present the Children's Hour in a natural and realistic manner.

BIG RABBIT

by Hugh Fullerton

A MONTH had passed without pay checks when the financier supposed to be backing the new Atlanta daily called all bets off and said he was through. Wen Lindsay and Dick Borton, imported for heavy reportorial duties and to give the sheet New York style, found themselves broke and jobless.

"But why worry? Never trouble trouble till trouble troubles you," counseled the alert and optimistic Borton with one of his characteristic grins. "Something always turns up for the wide-awake newspaper man."

No sooner spoken than done. The secretary of one of the leading bankers knocked at the door and announced that his employer would like an interview with Lindsay. The interview ended with $1,000 advance expense money, jobs for both Lindsay and Borton and an assignment to locate Colonel Gaskill, a leading citizen, supposed to be laid up with gout. Lindsay called at the colonel's home where he met Roberta Lee Tonneson, the colonel's ward and with whose fortune the old warrior had been gambling. He also had the opportunity of furthering an acquaintance that began with love at first sight, when he had rescued the girl's dog from beneath a passing automobile. Roberta told him the colonel was mysteriously absent and that she feared a negro servant by the name of Trimble, believed also to wield a strange power over Colonel Gaskill. She promised to send him a note if further developments threatened her safety.

With a heart yearning for the girl and fists itching to smash Trimble he left the house and returned to his chum, Dick Borton.

CHAPTER IV

The Battle in the Sleeper

BORTON lay sprawled over his bed when I returned to our room, a pile of books on the floor, and half a dozen of them scattered across the room as if he had thrown them. He glanced up as I burst into the room and grinned.

"Did it make a hit with the fair damsel?" he inquired lightly.

"It?" I questioned, rather puzzled.

"Yes, the tie," he responded, "it is one few girls are able to resist. I hope she liked it. Is she beautiful, superb, matchless, like all the others of yours have been—for two weeks?"

"Shut up," I flared angrily. "What are you doing? Wasting all this time?"

"Just now," he answered slowly and with his most tantalizing grin, "I am reading up on the negroes of America, their origin, habits, superstitions, and especially trying to trace the tribes from which negroes in certain sections of the South were stolen. How did you make out?"

As briefly as possible I told him everything that had transpired. To my relief he became serious at once.

"It looks worse and worse," he remarked quietly. "I thought as soon as I saw that fresh nigger that it was serious."

"You managed to see him then?"

"Yes, I bought a lot of vegetables, meats and fruit, borrowed a market basket and went to the back door to start an argument with the old negro woman who cooks. I insisted on delivering the things and she said she did the marketing herself and had not ordered them. I kept disputing with her until Trimble came to see what was the matter."

"I heard him go. It helped us talk," I interjected.

"I opened up on him just to draw him out, and he certainly is breeding trouble for himself. The old woman is scared to death of him and made hoodoo marks on the floor while he was talking. Trimble had me puzzled so much so that I went to the library and held up the librarian for all these books.

"Didn't he strike you as an odd type?"

"Yes, both in looks and in actions. He holds himself better than the other negroes, and equal or superior to the whites."

"I THOUGHT I knew the southern negro," said Borton earnestly, "but this one is a new kind to me. He isn't Kaffir; he isn't Guinea; he isn't Hottentot. His ancestors came from one of the central African tribes. Some of them must have crossed either with the Creeks or with the Seminole Indians. He hasn't a drop of white blood in him.

"You see," he went on rapidly, "the negroes caught by the slave hunters were from the coast tribes, mainly, later from the tribes further inland. If the cargo was all from one ship, the chances were they would be sold in one district, so they intermarried and retained many of the tribal peculiarities. You will find a lot of plantations where the owners did not believe in selling their slaves, where the peculiarities of accent, the skin tones, and the traditions still survive. This Trimble is uncommon. I can't quite figure his breeding."

"He calls himself King Solomon and acts as if he thought he was of royal blood," I observed.

"That is common enough," laughed Borton. "Many good looking negro men set up the claim that they descend from African kings, and they often pretend to chieftainship. This one may be the genuine article. He has an unusual bearing. By the way, did you notice any rabbit marks?"

"Rabbit marks?" I asked, starting with surprise. "No— not about the negro; but I saw rabbits everywhere in the Major's house."

"Where? What were they?" demanded Borton, oddly agitated, and leaning forward eagerly.

"I noticed the Major's note paper had a rabbit printed on it, the andirons in the fireplace were rabbits, and the book mark had a rabbit embroidered on it. Besides there is a rabbit's foot, a great big one, in a case on the major's writing table. I thought it was a funny idea."

"I should say it is funny," snorted Borton. "You idiot, didn't you ask the girl about it?"

"What the deuce are you driving at?" I fired back angrily. "Think I pay attention to every fool superstition? It's probably some whim of the Major's like the rabbit foot bringing luck."

"OH LORDY! What's the use?" groaned Borton. "You fellows who never had to live among them think negroes are simple, harmless jokes. Understand this; the rabbit's foot means something to a negro who remembers the traditions of his African forefathers. This affair looks worse the more we go into it. And you were so confoundedly upset by the sight of a pretty girl—O well, what's the use? Let's get down to the Piedmont, get some dinner, and see what we can learn about Gaskill."

We both were rather irritated, but, following our long-established custom, we avoided discussion as we went to dinner. We learned little except that Major Gaskill was a hard drinker at times, and a lavish spender of money when in funds. It was nine o'clock when we returned to our rooms. The landlady was waiting for us with a note.

"Old darky woman left it," she said, "about half an hour ago. She said it was important."

I tore open the note hastily, recognizing the writing I had seen for the first time that afternoon.

"They are taking me away tonight," the message ran. "Trimble found one of the notes we dropped in the library. I heard him and Tillie, my maid, planning to take me somewhere. Please try to stop them. Don't call the police but come quickly. They spoke of taking me south. They do not know I overheard, so mammy Hannah will bring this. Please come quickly.

The signature was a scrawled monogram. Before Borton had time to read the note I was imploring him to hurry, raging at the carelessness we had shown in not being at hand when Mammy Hannah arrived with the summons. The blow had fallen not only unexpectedly but much quicker than we had anticipated.

"Call a taxi," directed Borton, who was preparing for action with quiet haste. "Take fifty or sixty dollars in small bills off that roll of yours and conceal the rest somewhere in your clothes. Keep cool. With you in a second."

He was getting ready as quickly as he would have done if summoned to cover a big newspaper story. I could not help admiring his calm manner, and it did much to help me to recover from my excitement.

"RING up the house first," he ordered, while gathering a few clothes up in a small satchel. "See if they have started. Then get the station and learn train times."

I had already summoned a taxicab and, perspiring with excitement and anxiety, I called the Gaskill mansion time and again, urging the girl at the telephone to continue ringing. No reply came.

"They probably have started. Get the taxi office again."

"Hello," I said when the taxi office at the Piedmont replied to my second call. "Have you sent a cab to Major Gaskill's house?"

"Yes, started half an hour ago," came the quick unsuspecting reply.

"Come on Dick," I yelled. "Don't wait for the station call. They left less than half an hour ago. There's a bunch of trains that leave about ten o'clock. We'll catch them at the station."

Spurred by offers of higher pay, the taxi driver sent the car at reckless speed through the downtown district. He swung around the corner at the Maxwell and drew up at the edge of the tracks at the end of the station. We threw him a bill and together raced almost the length of the station.

"Reporters," we explained breathlessly.

"We must catch them," I said, handing him some money.

Borton already had passed through the gate and was sprinting along the tracks in pursuit of the slowly moving train. I followed at top speed. Luckily for us the railway tracks run at a grade for a few blocks compelling a slow rate of speed. Before the train had begun to gather speed for the dash through the tunnel cut, Borton had swung onto the rear platform of the private car, and held out his hand. I leaped, he grasped me and after a moment's struggle my foot found a hold and an instant later we clung to the steps. Fearing to be brushed off from our precarious footholds we clambered around over the couplings; and a moment later we stood in the observation platform, panting, perspiring, wondering if our presence on the car had been observed. To escape being seen we stood at either side of the door leading into the car. By peering around cautiously we could see the reflection of light but the view of the interior of the car was cut off by a drawing room partition.

"NOTHING to do but go in," panted Borton after we had partially regained breath. He tried the door carefully. It was locked by a spring lock inside but the upper part of the glass portion was lowered and by reaching in Borton managed to shove it down. He pushed the catch and the door opened.

"Come on," he whispered, and led the way cautiously, advancing along the narrow corridor. At the turn we stopped. Toward the front end of the car we could see Trimble standing. With him were the Pullman conductor, the porter, and a brakeman. Evidently they were settling the matter of transportation, for the conductor had his back toward us and was checking the tickets. As he counted the slips of paper I heard him say, "Four."

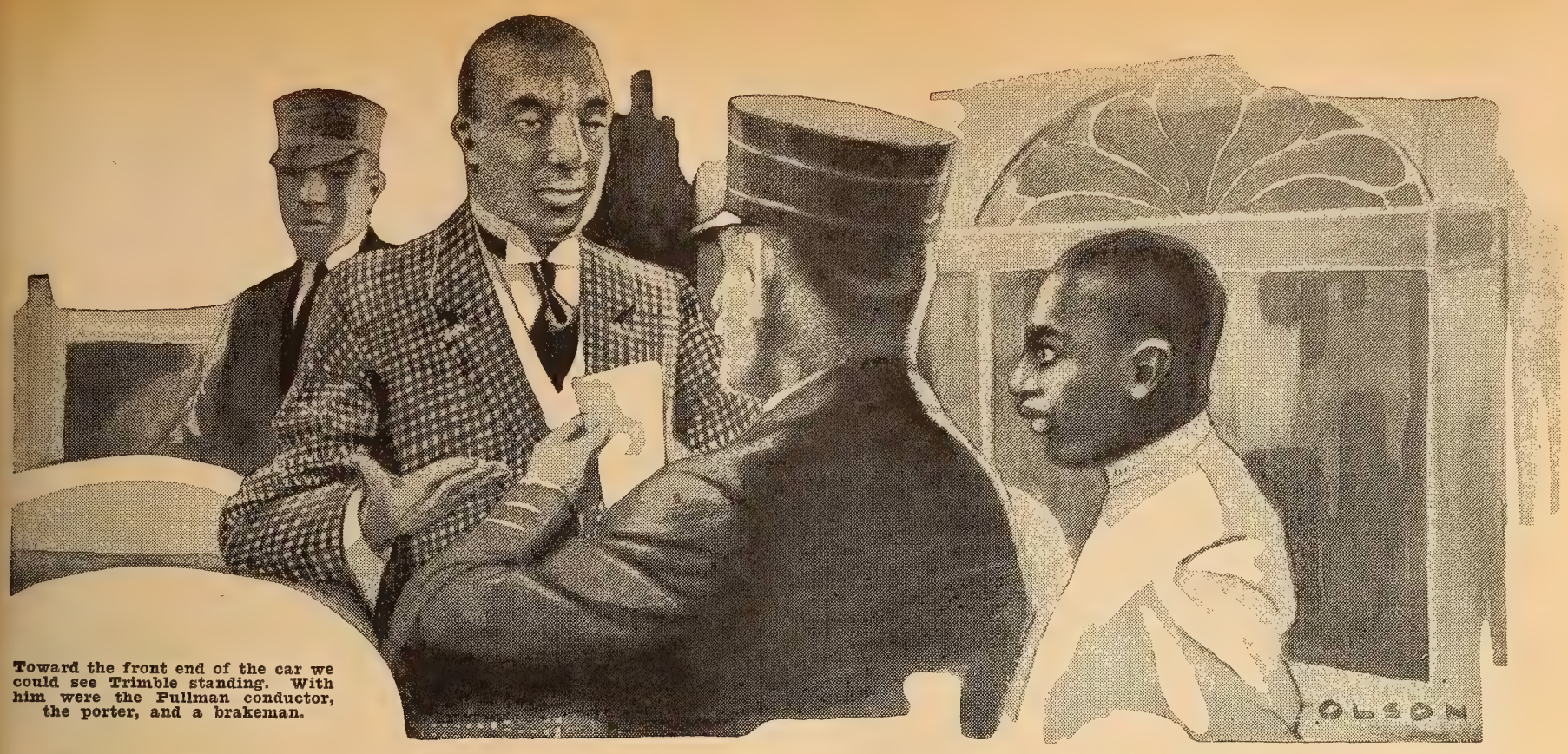
"No good," whispered Borton, drawing his head behind the angle. "We'll have to hide somewhere until the trainmen get out. We can't get past Trimble. If we can reach the trainmen long enough to explain, they'll help us. If they catch us now, they'll take us for tramps and kick us off. Let's hide until the coast is clear."

Borton tried the door of a stateroom cautiously, but found it locked. The next one, fortunately, opened.

"They're not going to use this one," he whispered. "Hide under the berth. Luckily this is an old-style car and the berths are high enough to get under."

"I'll slip into another room and hide there. Take hold of the end of this

"We're in Jacksonville, Florida," he (Dick) announced. "And all my money is gone except what is sewed in the lining of my coat."



Toward the front end of the car we could see Trimble standing. With him were the Pullman conductor, the porter, and a brakeman.

string. When I jerk it you come and come a jumping. I'll signal you as soon as the trainmen get out."

THE door closed quickly and I felt the string tighten. Then, after a minute, it remained motionless and I knew Borton had found his hiding place without being detected. Looking around for a place to conceal myself I doubled up and backed under the berth, letting the folded blankets drop to conceal my hiding place. It seemed hours that I waited there in the darkness expecting the tug on the string. I was alert in every muscle, starting at every noise.

It was hard to restrain myself, and the thought of Miss Tonneson in the power of the insolent negro made me grit my teeth and curse under my breath. I vowed to exact personal vengeance. Once, I thought, I heard sounds in the car, rising above the rumble of the train, now tearing along at full speed. I could catch the murmur of voices once in a while which seemed that a sharp, imperious voice was giving orders, and a softer one, which must have been Trimble's, was answering. My fears were relieved.

The remembrance of the fourth ticket confirmed my belief that Major Gaskill must also be on the train. I was just getting ready to crawl out and investigate for myself, when I tugged at the string, and instead of an answering pull, the string came toward me without resistance.

At that instant the door of the stateroom opened quickly. I could see a pair of feet, shod in patent leather with white spats, and I knew it was Trimble. Not until that instant did I realize at what a disadvantage a man is placed when he hides under a berth. I tried to prepare for a spring, to take the negro unawares in case he discovered my presence, but scarcely could move.

"I thought I heard something in this room," said Trimble.

"No sah," responded the porter from the passageway. "Ah straightened up dat room mahself, jes befo' de train pull out. No one ain't in hyah."

"You said no one was in the other room, too," sneered Trimble.

Like a flash I realized that Borton had been discovered. I struggled to get clear of the berth. Trimble had half stooped, to look under the berth, and my first movement revealed my presence. I made a desperate grab at his feet. One hand gripped his leg. I pulled myself clear, strove to seize both his legs to bring him to the floor, and had almost dragged myself to my knees when a terrific kick on the jaw rolled me, helpless and groggy, on the floor of the car.

"That's the other one," said Trimble angrily to the porter. "How did he get in here? I'll fix this one."

My dazed brain was struggling to regain command of my paralyzed body. I felt a sharp sting in my arm. Dimly I realized that the negro was using a hypodermic needle. I fought blindly to reach him. Then a great weariness overcame me. My body seemed to die.

"That will fix him," I heard the negro say, his voice sounding from afar. He turned me over. A sharp exclamation of surprise broke from him, and a vicious kick that seemed to drive in my ribs followed. The kick half awakened me from the lethargy that deadened my muscles.

"That one was at the house today," I heard him say angrily. "Nigger, am I?" he kicked me cruelly. "Trimble, eh?" He kicked me again.

Then the rattle of the wheels on the fish plates sounded a lullaby and I sank into unconsciousness.

CHAPTER V

Seeking the Rabbit's Tracks

WHEN I regained my senses I was sitting bolt upright on a grassy embankment at the side of a railway track. Before me, more than a mile wide, stretched a magnificent river. A white, beautiful, ocean-going yacht—flying a strange pennant—rode at anchor at the turn of the river above. A long bridge, yellow and spidery, spanned the water and disappeared into the pine woods on the opposite shore.

A ferry boat was chugging its way across to a big amusement park. On one side as far as the eye could reach the curving shore was lined with magnificent houses, the lawns spreading down to the water's edge.

At many of the private docks launches and yachts were waiting. In the other direction a city of towering spires, tall hotels, and magnificent public buildings sloped gently back from the rows of docks along the river's edge. Beyond the city the river turned and widened into a great expanse, upon which large ocean liners and rust-red tramp steamers lay at anchor.

I glanced around, slowly striving to remember what had occurred. A few feet from me was Borton, stretched upon his back, unconscious, although I could have sworn his eternal grin was plastered on his handsome face. With an effort I rallied and crawled to where he was lying. I shook him; but the only effect was the quickening of his deep breathing.

I was weary and aching in every muscle. The places where the negro had kicked me pained until it was an effort for me to move. My head ached and my mouth seemed kiln-dried. I kept shaking and tugging at Borton, calling his name, and after what seemed a long time he opened his eyes. Then he sat up and looked around. Gradually the astonishment on his face gave way, and, looking at me, he grinned. It would have been laughable to anyone in a mood for laughter.

"Where are we?" he asked with the idiotic expression of a half awakened man.

"I don't know," I responded weakly.

We sat and looked at each other foolishly, and finally, as if with an effort, he aroused himself.

"Let's get to the river and wash. The water will help," he suggested.

WE WERE so weak and sick that crawling down the ten-foot embankment to the water's edge was heart-breaking effort. Every muscle of my body protested; but finally we reached the water and plunged our hands and arms into the cool depths. It served to arouse our deadened faculties.

"Salt," commented Borton as he spat out some water. "We've reached the ocean somewhere. How did it happen?"

I told him my final experience, and the encounter with the negro.

"He got me quick," commented Borton, his chin setting with determination. "I left the door open in order to hear the trainmen go out. They quit talking and I stuck my head around the partition to see whether they had left the car. Trimble was right on top of me. He kicked me and I went to sleep. He must have doped me too."

We made the best toilet possible, and feeling much revived, crawled back to the grassy spot to rest.

"We're a fine pair of detectives," said Borton with sarcastic emphasis.

"We are not," I agreed bitterly.

"I wonder," asked Borton after a time, "whether we are good enough at this line of work to find out what city we are in?"

With an effort which left us almost exhausted we climbed up to the embankment, resting every few feet, and finally dragged ourselves onto a bridge over the railway, a bridge congested with traffic, which proved we were on one of the main trade arteries of the city.

"I'm not ordinarily inclined to curiosity," asserted Borton whimsically, "but really, I would like to know what city we are in."

"Ask someone," I suggested wearily.

"Not for me," he replied, grinning painfully. "If I should the man would either think he was being kidded or that we were crazy. He'll either swing for the jaw or call the police. Wait a minute!"

Inspired by a sudden idea he crossed the street, stopped at a news stand and examined the papers, returning slowly and somewhat disturbed in mind.

"We're in Jacksonville, Florida," he announced, frowning. "And all my money is gone excepting what is sewed in the lining of my coat. How is yours?"

I made a hasty inventory and discovered with much relief that the bulk of the money Kincaid had given me was safe.

"MINE's all here, excepting some small bills I put in my trousers pocket. They overlooked the big roll."

"Let's get freshened up and plan the next step," suggested Borton. "At least we are nearer the scene of action than we were in Atlanta, even if we have lost the trail."

We signalled a street car and, in a few minutes, reached the business center of the district. We found a table on the balcony at the Seminole. A pot of coffee, dripped to double strength, revived us and, while eating breakfast, we studied the strange adventures of the preceding twenty-four hours, and made plans for further pursuit of Trimble and the missing girl. "It's a blind search now," said Borton, although from the set of his jaw it was plain he was less discouraged than I was. "We'll have to cast around to find the trail. The best clue we have is that car I found before going to sleep last night," he grinned as he said it, "it was a private car." Major Gaskill heard from Trimble that there was danger of exposure, and the major slipped to Atlanta, used his influence and got the car.

"I heard the conductor say it was the best that could be found at short notice. I'll trace the car. You go to the telegraph office and see if you can learn whether Trimble or Gaskill did any telegraphing. After that go to the water front and find what boats have left. Ask for a boat for Major Gaskill, two girls, and two negro men abroad leaving early today."

"Two negro men?" I asked, surprised.

"Of course. The porter never would dare go back to the job after what happened in his car. Either he is in hiding or has joined Trimble and, I think, from the control Trimble had over him, he is with them helping Trimble."

"Control?" I asked incredulously.

"Yes. Else he would have raised an alarm. Trimble put the cunj on him."

"Put the cunj?" I repeated, puzzled. "Oh, you mean conjured him? You don't believe in that sort of thing really, do you Dick?"

"LISTEN, Wen," he said, leaning forward and speaking so earnestly I almost laughed aloud, "make up your mind not to laugh at that sort of thing. It may sound foolish to us but it is really serious. Just after I crawled into the stateroom Trimble showed the porter something. If you ever heard a terrorized, overawed man it was that porter. He begged and whimpered and said he would obey the sign."

"What sign?" I asked, impressed but stifling a desire to laugh at Borton's seeming belief in negro superstitions.

"I don't know, I wish I did. I only suspect." He seemed worried and anxious, lowered his voice almost to a whisper, glanced around the room, and, leaning over the table toward me, said:

"I think it was the sign of the rabbit."

I laughed aloud. It was ludicrous; so trivial in view of the seriousness of our errand I could not help it The idea of big, handsome Dick Borton, after years in the newspaper game, which is the surest dispeller of anything excepting realities, being overawed by a superstition was too much. In an instant I saw he was hurt and offended.

"Excuse me, Dick, I didn't mean to laugh, but it sounded so funny."

"Funny?" he repeated, shoving his chair back in irritation. "Let's get to work. But if I'm not mistaken, before we get through with this case you will not laugh at rabbit signs."

Unappeased, he stalked stiffly out of the hotel and I limped away to perform my portion of the task. After a brief skirmish around the telegraph office on Bay street, I encountered an old friend, a telegraph operator who had come South for his health and was working at central. I explained to him the seriousness of the situation and, after we had consulted with the superintendent, we violated the rules and I read the messages. Three had passed. One from Trimble signed "King" to Major Gaskill warning him of danger. One from the Major to Trimble, telling him to bring Miss Tonneson to a car that would be waiting; another saying "Ready tonight," signed by Gaskill.

(Continued on page 28)

BROTHERS ARE YOUNG SCHOOL BOY ANNOUNCERS OF WDAF AND KFKU

KANSAS CITY, Mo.—Of course, you've heard of the Patts. You know, Ralph (left) and John (right), the school boy announcers at Station WDAF and KFKU, or you're a stranger on the air lanes of the West. Ralph is assistant announcer for the Kansas City Star broadcaster and John is the assistant director and chief announcer at the Kansas University station. Nice young men, too, and their ages, instead of handicapping them, seem to add the wim, wigor and witality of youth to the programs of the stations.

But here is another distinction. Neither can sing, nor do they toot horns or test the patience of the mike in any way. Just think! Two announcers who know they can't sing, and don't try!

PHOTOS LEAP OCEAN IN TWENTY MINUTES

POSSIBLE TO OPERATE ON COMMERCIAL BASIS

Radio Corporation and British Marconi Company Cooperating in Development of Invention

PLYMOUTH, Eng.—If the expectations of Richard H. Ranger and the Radio Corporation of America are realized, photographs will be transmitted across the Atlantic ocean in twenty minutes time at a cost that will permit it to be done on a commercial basis. Mr. Ranger is an official of the Radio Corporation and is now in England installing the apparatus and equipment, and plans on transmitting photographs the early part of this month.

The British Marconi company are cooperating with the Radio Corporation in the development of the device, which, the inventor claims, transmits pictures five times faster than any method now in use, whether by wireless, Radio or cable. Due to the simplicity of its functioning, the device does not depend upon any artist or draftsman at either end. The reproductions are built up simultaneously by a special synchronating device which completes the pictures as soon as the transmission is finished.

For General Use

According to Mr. Ranger, it is planned to base the rates of transmission on a scale of fifty dollars for twelve square inches. Although it is probable that newspapers will be the largest purchasers of the service, the invention will undoubtedly prove valuable in the sending of signatures and other reproductions needed by private individuals or business organizations.

The invention is based on the reduction of "picture impulses" necessary for reproduction from about 20,000 per square inch to 4,000. This is the main factor in quintupling the speed, efficiency and economy, and making the transmission commercially practical.

The synchronating mechanism is controlled by tuning forks and pendulums pick the light and dark of the picture, analyzes it in terms of impulses and then by an almost instantaneous process builds up the same impulses on the other side. Two recent trials between New York and London and Honolulu and San Francisco, were successful.

AUSTRALIA? EASY! BUILD RYAN SUPER

HEARD Australia yet? Now seems to be the time if you don't mind staying up late or awakening early to tune in. Another reader, F. Bignell, living at Regina, Sask., Canada, reports:

"I have been hearing 3LO, Melbourne; 2BL, Sydney, and 4QG, Brisbane, Australia, nearly every morning for two weeks. The time I listen in is from 3 to 5:30 a. m. Mountain time. I heard 3LO announce on two occasions that a big celebration would take place on Returned Soldiers' Day, April 25, that the parade would take a half hour to pass a given point, and that the services would be held in the exhibition building. I am using your Mr. Ryan's Simplest Possible Super-Het, which I built myself from your directions, and a loop aerial."

Izaak Walton League Will Enjoy "What Price Trout"

GRAND RAPIDS, Mich.—Brrrrrrr! (the alarm clock). "Wake up, John! It's 4 o'clock." (from his wife). "What for?" (this from sleepy Mr. Brown). "It's May 1," rejoins his better half. Yawns and squawks. Business of arranging tackle and hunting for mislaid favorite line.

Thus starts Wood's "What Price Trout," a fishing presentation celebrating the opening of the trout season in Western Michigan. The story of a day's fishing expedition, in the family flivver, up trunk line M54 to one of Michigan's famous trout streams.

The trip starts promptly at 9 p. m. Eastern time on May 3. "What Price Trout" is the ninth Mills-Wetzel presentation from the Furniture Capital station here.

Oklahoma Station Continues Fight in Radio Slander Suit

OKLAHOMA CITY.—The National Radio corporation, operating from Station KFJF here, recently entered a motion in the state district court to set aside a $20,000 default judgment rendered against it in a case in which C. W. Fries, undersheriff of Oklahoma county, charged slander. The action was thrown out once on a demurrer, and counsel for the Radio company said they were not advised that it had been reinstated. They set out that they are prepared to make a defense and would have done so had they known the status of the case.

SHORT WAVES

By Marcella

A great many feminine hearts are a'flutter over Norman Brokenshire, of WJZ. Too many, it seems to me, are curious for me to keep his personal habits a secret any longer. Well, Norman (you see I call him by his first name because he and I are great friends), is a very likeable chap. Born in Murchison, Ont., Canada, about 28 years ago, he grew up more or less like Topsy and migrated to Cambridge, Mass., in early youth. Once he was a mechanical draftsman at Pittsfield, Mass. Then he was a doughboy during the world war. After the armistice he was selling things in New York—an occupation he could gather no love for—and one day he noticed a classified advertisement for a Radio announcer in a newspaper. He made the grade from out of a crowd of 500 replies. For a long time at WJZ, he was transferred to WRC, Washington for nearly a year. Then when the R. C. A. decided to open a superstation at New York to take the place of old WJZ, they called their best announcer, our friend Norman, back to handle the station. And he's still there. He's slightly under six feet tall, weighs about 165 pounds, wears a cute little mustache, and has romantic, curly, dark brown hair. And yes, J. H., Rena and Frances, he is single!

* *

Says Mrs. M. J. E., "Wish you would write a little something about Ellen Rose Dickey of WLS. I like her a great deal and have been looking for a feature writeup of her in your women's section." Your prayer is answered in full. Just turn back to page six and look. We wouldn't do that for everybody, you know, but only our best friends.

* *

More about George Hay? After reading what I told you two issues back, you certainly should know almost everything. Well, the reason he left WLS, if you must know, is perfectly admissable. He likes Tennessee very much, WSM being there, and besides, because he likes to pay income tax, and he would have to pay more in the position WSM offered him, he accepted. What did he do before he became an announcer? He was a newspaperman. His experience in this line was extensive, and he still writes a corking good feature story. Look at my column in the April 17 issue for more details of his looks and life.

* *

Wendell Hall is headin' South. Towns to be made, he tells me, include Charlotte, N. C.; Atlanta, Ga.; Memphis, Tenn.; Dallas and Fort Worth, Texas; Nashville, Tenn.; Hot Springs, Ark.; San Antonio and Houston, Texas; New Orleans, La., and Jacksonville, Fla. His "Little Girl from Chicago" is accompanying him.

* *

Clyde Hager, formerly of WMBB, Chicago, is now out in Hollywood directing the studio destinies of the fourth movie colony to be on the air. KFQZ is the station, operating on 226 meters, or 1330 kilocycles. The studio is located in a sumptiously furnished California bungalow in the heart of the Hollywood residential district. Mr. Hager thinks he has one of the prettiest little studios in the country and is completely sold on palm trees, orange blossoms and Mack Sennett bathing beauties.

TIME SIGNALS WILL AID GOBI EXPLORERS

SPECIAL RECEIVER TAKE TO TUNE IN ON KDKA

Intrepid Desert Expedition Will Depend on Signals for Making Maps and Keeping Location

PITTSBURG, Pa.—When Roy Chapman Andrews and his co-workers from the American Museum of Natural History set out from Peking, China, April 15 on their third Asiatic expedition, the technical staff took care to load their prized Radio equipment on the back of their most trusted camel from the herd of 150 going with them into the unexplored wastes of the Gobi desert.

The scientists, who on returning from their last expedition brought news that they had found eggs ten million years old belonging to the Dinosaur, are setting forth this spring with two principal expectations: They hope to make discoveries even more notable than pre-historic eggs and to keep in touch with Westinghouse Station KDKA, here, whose time signals, they declare, will be of invaluable aid to the topographers in mapping and determining their latitude and longitude.

Time Signals Important to Explorers

Word concerning the expedition's Radio plans is contained in a letter written by J. B. Shackelford of the technical staff to G. Dare Fleck, program director for KDKA.

To what extent the explorers of the desert will rely on KDKA's time signals is emphasized by the scientist who writes that they are carrying a receiving set built especially for long distance reception from this station.

"Music, news from home and other broadcasts will be welcome," he says "but most welcome of all will be the time signals from KDKA."

KDKA has received numerous letters commenting on the value of the time signals, particularly to vessels along the eastern coast and in the Gulf of Mexico. By means of this service Radio aids the mariners in keeping their correct bearings and safeguarding them against accidents along the coast.

Yes, John, the MacDowell sisters, Grace and Edith, still sing at WFAA. Yes, they still make records now and then at Kansas City. When I asked them if they were married or single, they replied by saying "Both." Which evidently means that one of them is and the other isn't, or both are. We think they mean the latter, for they are too interesting to stay single. Jolly, good-natured and pleasing, the two have thousands of Radio friends. As for a description of them, let them tell you:

"You can see by our pictures that we are not 'flappers,' as a great many young men seem to think, according to their letters. However, our Radio audience loves us in spite of it."

All those in favor, say aye.

* *

What deep secret would you like to know about your favorite broadcast star? Drop me a note, girls and boys, and I'll do my best to answer here. MARCELLA.

a STEP ON the STAIRS

By ROBERT J. CASEY

Radio Dramatization by FRED SMITH

Illustrations by HILMER C. OLSON

CHAPTER NINETEEN

The Killer

IT CANNOT be said that the late Jeremiah had been a popular figure in the community of Pelican Bay. As resident member of a family that had contributed so much to the history and wealth of Portsmouth and the bay shore he had moved in a rarified atmosphere, known for his ancestral associations rather than for anything that he himself said or did. Few indeed of the dwellers along the bay road or in the estates more closely adjoining beyond the cedars had ever seen Jeremiah at close range until the day when the whole county turned out to pay him honor and witness his departure from the old manse via the front door.

But for all that there was not a man, woman or child in the region who could not have recited every detail of his pedigree, biography and personal habits. The Turners had been a sort of hereditary legend in Pelican Bay for so long that their deeds had been woven into fireside tales and even cradle songs. And the community had felt a personal loss in his tragic removal—a loss for which there was no widespread friendship or great good will to account.

Something of the public attitude on the matter was reflected in the faces of the haggard guests, the state troopers and the secret service operatives as they stared in amazement at Peleg Turner, come back from the grave so opportunely to confess a fratricide.

"YOU killed him?" breathed Everett almost unbelievingly. "You understand what you are saying?"

"I understand perfectly," replied Peleg with little or no show of emotion. "I came home unexpectedly the night before the killing. Afterward I went away and came home again. I shot him through the head over there on the hearth and a jolly good shot it was, too."

"Don't talk like that!" broke in Ardwyn hoarsely. "You don't know what your are saying, Peleg. Mr. Everett, Captain Cass, don't listen to him. The man is crazy."

"No, Ardwyn," Peleg interrupted with a shake of his head. "You are jumping at conclusions again. I am probably the sanest man in this room."

"If he wants to talk, let him," suggested Everett. "We might as well clear this thing up now. Mr. Turner, have you any explanation to make concerning why you killed him? Had you quarrelled with your brother?"

Old Peleg's gray eyes dulled as if with a mist and his voice was choking when he answered.

"No," he said. "We never had a quarrel. I loved Jeremiah. I looked after him since the day our mother died and left him in my care. . . And that is why I have no regrets for what I have done. . ."

Tolliver sniffed angrily.

"The old boy is off his nut," he confided to Hazel Stanton who happened to be nearest him. "Just another of these stories where a lunatic thinks he's conferring a favor on somebody by knocking him off."

"Keep quiet," retorted Hazel impatiently. "This is no affairs of yours."

"It certainly is my affair," replied Tolliver in a hurt tone. "I been in it as deep as anybody else for three hours. . ."

"Hush," commanded Hazel. "There's something more to this."

It was apparent that Everett shared something of Tolliver's view of the case for his next question showed his puzzlement over the discrepancy between Peleg's avowed affection and Peleg's casual confession of murder.

"You loved him so much that you murdered him?" he asked.

Peleg's eyes widened.

"Do you mean. . ." he began. "But you can't mean. . . Why I thought you knew. . . I thought that was why you came here tonight. . . I knew somebody had talked of opening the grave. . . I didn't kill my brother. I killed the man the gang had put in here to take his place after they murdered him. The man on the hearth wasn't Jeremiah. He was a New York gunman. And I didn't murder him. I killed him in self-defense in a fair fight. . . ."

"Well I'll be doggoned," commented Tolliver.

"WE DIDN'T know any of this," said Everett.

"I am sorry gentlemen," apologized Peleg. "My head is a little muddled or I guess I'd have seen how the land lay. . . Well it's easily explained.

"Hari Singh had been away. While he was gone I put Jeremiah in charge of this house and I went away, too. The cruise was to have lasted five years.

"Then Hari Singh came back here to look for a job from Jeremiah and he got hired because the gang thought he was a foreigner who didn't know anything about the neighborhood. But the man who was living in the house and passing himself off as my Brother Jeremiah was not Jeremiah and Hari Singh knew it. There was some resemblance—enough to pass with some pretty close friends when they came to look at him after a .45 bullet had messed up his face, but Hari Singh wasn't fooled. He sent for me and kept his eyes open."

"Do you mean to tell me that anybody could have passed himself off as a Turner in Pelican Bay without being detected instantly?" demanded Everett.

"I'm telling you just that," replied Peleg evenly. "The Turners are the best known people in these parts but it's mostly by hearsay. None of us ever stayed ashore long enough to pick up many friends.

"Anyway this man was passing himself off as Jeremiah Turner and doing a good job of it when I came home. I came in through the front door unexpectedly and he recognized me. He pulled a gun and I killed him."

"But your reported death?"

"All part of the same story. The gunman looked like Jeremiah. Therefore he looked like me. We buried him once as Jeremiah. Then we dug him up, shaved him and buried him a second time as Peleg Turner. It was really John Carton's idea. He had found that he could learn more by keeping out of sight."

"Then," commented Everett, with some disappointment, "We're right back where we started from. Who did kill Jeremiah Turner?"

"I HAD hoped to find out tonight, gentlemen," Peleg replied. "But you know how the evening turned out. The man I killed was an underling. I don't know who killed my brother and I probably never shall."

"Perhaps I can help you out," suggested Mary Williams. "I think I can point out the murderer. . . ."

"I knew she had something to do with it," cried Aunt Helen Holmes. "I could feel it in my bones."

But no one paid attention to her. Everyone was looking at Mary, who had stepped away from the side of her police guard and now stood looking from one to another with half closed eyes.

"Well then who killed him?" snapped Everett.

"I can't tell you his name," said Mary.

"We have no time to waste on guesswork."

"This is no guesswork, Mr. Everett. I know. The man who killed Jeremiah Turner is in this room and you can easily identify him. He is not Mr. Ardwyn, but he has a row of teeth marks on his wrist."

"How do you know that?" questioned Everett.

"Find him," commanded the girl. "Ask your questions afterward."

"Silly business," the secret service man declared. "But we'll see. Ladies and gentlemen, hold out your wrists."

The inspection took only a moment. Ardwyn's bandaged hand was passed and a quick glance about the room showed no similar wound.

"Sorry," Everett reported with mock courtesy. "You had me going for a minute, but everyone here seems to be intact. Have you any other suggestions?"

"Just one more," countered Mary Williams with a triumphant note in her voice. "Look at the man on the floor. I'd advise you to look in a hurry. He's regaining consciousness."

Everett looked.

"You're right," he admitted with a vehemence that showed he had finally been shaken out of his professional calm. "The man's right wrist is bleeding."

"Why that's Cousin William Caryl," moaned Aunt Helen Holmes. "Why all this is preposterous! Cousin William wouldn't kill anybody. He wouldn't hurt a fly. That terrible woman is making all this us to damn an innocent man. She'd do anything, she would. . . Ask him. . . Ask him. . . He's opening his eyes. Ask him. . . "

Everett was raising Caryl's head from the floor.

"What happened to your wrist, Bill?" he asked in a calm wheedling tone.

"The boat got away and she bit me and I spilled the can of ether," muttered Caryl incoherently. "If I could have doped her maybe we could have got away. Peleg Turner won't be back for five years. Peleg Turner is dead."

"Out of his head," diagnosed Everett. "Evidently was going to gas somebody and got it himself."

"My wrist hurts," wailed Caryl, with increasing vigor. "Don't let her get at me now. . . Don't let her. . . Keep that cat away or I'll bump her off like I bumped old Jeremiah . . like I bumped off old Jeremiah. . . Like I bumped off. . ."

CHAPTER TWENTY

A Door Closes

EVERETT arose and turned apologetically to Mary Williams.

"Young woman," he said, "It appears that you were right. And I can't say that I'm particularly proud about the way we've treated you."

"It's nothing," replied Mary Williams. "You worked on what information you could get. My information was better. . . . That was all there was to it."

"Would you mind telling me how you knew William Caryl killed Jeremiah Turner?"

"Not at all. I was here when it happened."

"You saw the murder?"

"No. . . I didn't see it. The thing happened here in this room in the dark. I could only hear what was going on. In the morning there was a new Jeremiah Turner in the place and I saw that I

(Continued on next page)

WHO WILL WIN THE

$500 in Gold

FOR SOLVING

"a Step On the Stairs"

? ? ?

HERE it is—the tenth installment and conclusion to Mr. Casey's thrilling and carefully tangled mystery story. How many of you had an idea that Cousin William Caryl was the arch conspirator? Just how many the Mystery Story Editor does not yet know, but indications taken from the solutions so far submitted by readers, or by listeners to the drama over the air, point to the statement that very few, if any, even suspected that the pious William was supposed to play a very important role.

But watch for next issue—that of May 15—which will be on all news stands by Friday May 14. In it will be announced the winners of the $500 in gold prizes for the best solutions to the story. Each of the principal winning solutions will be criticized by the Mystery Story Editor. It may even be feasible to reprint in whole a few of the best.

By the way, have you begun to read Big Rabbit, by Hugh Fullerton? Mr. Fullerton, whose name came into prominence some years ago when he said he knew 10,000 people—by name—is, like Mr. Casey, a graduate of the daily newspaper office. For years he has been associated with the largest morning daily newspaper in the United States. Knowing himself, he knows newspaper men and is well qualified to write a fiction story about them.

If you haven't read Big Rabbit, turn back to page eight and do it now.

AN EVENING AT HOME WITH THE LISTENER IN
IN CENTRAL TIME

Call	Location	Met.	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday
AT9	Fort Bragg, N. C.	435	Silent	5:00- 6:00	Silent	Silent	Silent	7:00- 8:55	Silent
CFCA	Toronto, Ont.	356.9	Silent	6:00- 8:00	5:45- 6:45	Silent	6:00-11:00	Silent	Silent
CFCN	Calgary, Alta.	356.9	11:00- 1:00	Silent	Silent	Silent	Silent	9:00-10:00	Silent
CJCA	Edmonton, Can.	434.5	10:00-12:00	8:30- 9:30	8:30-10:30	8:30- 9:00	7:00- 9:00	10:00-12:00	9:00-12:00
CKAC	Montreal, Que.	516.9	5:00- 9:00	12:45- 1:45	Silent	5:00- 9:30	Silent	5:30- 7:30	Silent
CKCL	Toronto, Ont.	410.7	5:00- 6:00	1:00- 2:55	Silent	5:00- 9:50	Silent	5:00- 6:00	Silent
CKNC	Toronto, Ont.	356.9	6:00- 8:00	Silent	6:00- 9:00	Silent	Silent	Silent	Silent
CKY	Winnipeg, Man.	384.4	8:00-11:00	7:00-10:00	8:00-12:00	Silent	7:30-11:00	8:30-11:00	Silent
CNRO	Ottawa, Ont.	434.5	6:30-11:30	Silent	Silent	Silent	6:30-11:30	Silent	Silent
CYL	Mexico City, Mex.	480	Silent	9:24-10:54	Silent	9:24-10:54	Silent	Silent	9:24-10:54
CZE	Mexico City, Mex.	350	8:24- 9:24	Silent	8:24- 9:24	8:24- 9:24	8:24- 9:24	8:24- 9:24	8:24- 9:24
KDKA	Pittsburgh, Pa.	309.1	5:30- 8:55	3:00- 7:45	5:30- 8:55	5:30-11:35	5:30- 8:55	5:30-11:00	5:30-10:05
KFAB	Lincoln, Nebr.	340.7	5:30- 2:00	4:00-11:00	5:30-10:30	5:30-10:30	5:30-10:30	Silent	5:30-10:30
KFDM	Beaumont, Tex.	315.6	Silent	8:00- 9:00	Silent	8:00-10:00	Silent	Silent	8:00-10:00
KFH	Wichita, Kan.	267.7	7:00- 8:00	7:15- 8:15	7:00- 8:00	7:00- 8:00	7:00- 8:00	7:00- 8:00	7:00- 8:00
KFI	Los Angeles, Cal.	467	8:00- 5:00	6:00- 1:00	8:00- 1:00	8:00- 1:00	8:00- 1:00	8:00- 1:00	8:00- 1:00
KFJF	Okla. City, Okla.	260.7	6:00- 1:30	2:30-11:45	6:00-10:45	6:00-10:45	6:00-10:45	6:00-10:45	6:00-10:45
KFKX	Hastings, Nebr.	288.3	5:30- 6:30	Silent	5:30-11:00	5:30- 8:00	5:30-11:00	5:30- 8:00	5:30-11:00
KFMX	Northfield, Minn.	336.9	Silent	7:00- 8:00	Silent	9:30-10:00	9:00-10:00	Silent	10:00-11:00
KFNF	Shenandoah, Ia.	263	7:00-12:00	2:30- 8:30	7:00- 9:00	7:00- 9:00	7:00- 9:00	7:00- 9:00	7:00- 9:00
KFOA	Seattle, Wash.	454.3	11:30- 1:00	Silent	9:00-12:00	8:00- 1:00	9:00-12:00	Silent	8:00- 1:00
KFON	Long Beach, Cal.	232.4	8:30- 2:00	8:30-12:00	8:30- 2:00	8:30- 1:00	8:30- 1:00	8:30- 2:00	8:30- 2:00
KFQB	Fort Worth, Tex.	508.2	8:30- 9:30	3:00- 8:30	8:30- 9:30	8:30- 9:30	Silent	8:30- 9:30	8:30- 9:30
KFRU	Columbia, Mo.	499.7	Silent	7:30- 8:30	6:15- 7:15	6:15- 7:15	9:00-11:30	6:15- 7:15	12:00- 2:00
KFUO	St. Louis, Mo.	545.1	7:45- 8:45	9:15-10:15	8:00- 9:00	6:30- 7:30	9:15-10:15	Silent	9:30-10:30
KFVE	Univ'ty City, Mo.	240	9:15-10:15	Silent	9:15-10:15	9:15-10:15	9:15-10:15	Silent	9:15-10:15
KFWA	Ogden, Utah	260.7	10:00-12:00	Silent	10:00-12:00	Silent	10:00-12:00	Silent	10:00-12:00
KFWB	Hollywood, Calif.	252	8:30- 1:00	11:00- 1:00	8:30- 1:00	8:30- 1:00	8:30- 1:00	8:30- 1:00	8:30- 1:00
KFWI	San Francisco, Cal	226	Silent	10:00- 2:00	10:00- 2:00	Silent	10:00- 3:00	12:00- 2:00	10:00- 3:00
KFXF	Colorado Springs	250	10:00-12:00	Silent	9:30-11:30	9:30-11:30	Silent	10:00-12:00	10:00-12:00
KGO	Oakland, Calif.	361.2	10:10- 2:00	5:30-10:30	8:00-12:00	8:00- 2:00	8:00- 8:55	10:00- 2:30	8:00- 8:55
KGW	Portland, Ore.	491.5	8:00- 2:00	9:30-12:00	8:00- 2:00	8:00- 2:00	8:00- 1:00	8:00- 2:00	8:00- 2:00
KHJ	Los Angeles, Cal.	405.2	9:30-12:00	6:00-12:00	Silent	9:45-12:00	10:00-12:30	9:45-12:00	9:30-12:00
KIAF	Sihtipok, Minn.	421	Silent	4:00- 5:00	9:00-10:00	Silent	9:00-10:00	Silent	9:00-10:00
KJR	Seattle, Wash.	384.4	10:30-12:00	7:00-12:30	9:00-12:00	9:00-12:00	9:00-12:00	9:00- 2:00	9:00-12:00
KLDS	Independence Mo.	440.9	8:00- 9:00	6:30-10:00	Silent	8:00-11:59	Silent	8:00- 9:00	Silent
KLX	Oakland, Calif.	508.2	9:00- 9:30	Silent	8:30-12:00	9:00- 9:30	8:30-12:30	9:00- 9:30	8:30-12:30
KMA	Shenandoah, Ia.	252	6:00-11:00	4:00- 6:00	6:00-11:00	6:00-11:00	6:00-11:00	6:00-11:00	6:00-11:00
KMMJ	Clay Center, Nebr.	229	8:00- 9:00	8:45- 9:45	8:00- 9:00	8:00- 9:00	Silent	8:00- 9:00	8:00- 9:00
KMOX	St. Louis, Mo.	280.2	6:00-11:00	9:00-10:00	6:00-11:00	6:00-11:00	6:00-11:00	Silent	6:00-11:00
KNX	Hollywood, Cal.	336.9	8:30- 4:00	8:30-12:30	8:30- 2:00	8:30- 2:00	8:30- 2:00	8:30- 2:00	8:30- 2:00
KOA	Denver, Colo.	322.4	10:00-12:00	6:00- 9:40	7:30-11:15	7:30- 9:30	7:30- 1:00	7:30- 8:30	7:30-10:00
KOB	StateCollege, N.M.	348.6	Silent	Silent	8:30- 9:30	Silent	Silent	Silent	8:30- 9:30
KOIL	Council Bluffs, Ia	278	7:00- 3:00	7:00-12:00	6:00-12:00	6:00-12:00	6:00- 7:15	6:00-12:00	7:00-12:00
KPO	SanFrancisco, Cal	428.3	8:30- 2:00	8:00-12:00	8:30- 1:00	8:30- 1:00	8:30- 1:00	8:30- 1:00	8:30- 2:00
KPRC	Houston, Texas	296.9	7:30-11:00	7:30-12:00	6:30-10:30	7:30-10:00	6:30-12:00	7:30-10:00	Silent
KPSN	Pasadena, Calif.	315.6	10:00-12:00	10:45-11:45	Silent	10:00-11:00	Silent	10:00-11:00	Silent
KSD	St. Louis, Mo.	545.1	7:00-10:00	5:15- 8:15	8:00-11:00	6:00- 9:30	6:00- 8:00	7:00- 9:00	7:00- 9:00
KSL	Salt Lake City, U.	299.8	9:00-12:00	8:30-11:00	8:00-12:00	7:00- 9:00	8:30-12:00	8:30-12:00	8:30-11:00
KSO	Clarinda, Ia.	241.8	Silent	Silent	7:00- 8:00	8:00-11:30	7:00- 8:30	7:00- 9:00	7:00- 8:30
KTAB	Oakland, Calif.	240	Silent	9:45-11:15	10:00-12:00	10:00-12:00	10:00-12:00	10:00-12:00	10:00-12:00
KTBI	Los Angeles, Cal.	293.9	Silent	9:15-11:30	Silent	10:00-11:00	Silent	10:00-11:00	Silent
KTCL	Seattle, Wash.	305.9	Silent	8:10-11:10	9:00-10:00	10:00-11:00	Silent	Silent	9:00- 2:00
KTHS	Hot Springs, Ark.	374.8	9:00-11:15	9:00-11:30	9:00-12:15	9:00-10:30	9:00-10:45	9:00-10:30	9:00-11:00
KTW	Seattle, Wash.	455	Silent	9:00-11:30	Silent	Silent	Silent	Silent	Silent
KUOA	Fayetteville, Ark.	299.8	Silent	Silent	7:30- 9:00	8:00- 9:00	Silent	8:00- 9:30	Silent
KWKH	Shreveport, La.	329.5	9:00-12:00	7:00-11:00	10:00-11:30	9:00-12:00	Silent	8:00- 9:30	Silent
KWSC	Pullman, Wash.	348.6	Silent	Silent	9:30-11:00	Silent	9:30-11:00	Silent	9:30-11:00
KWWG	Brownsville, Tex.	278	6:00- 7:00	Silent	8:30- 9:30	6:00- 7:00	6:00- 7:00	6:00- 7:00	6:00- 7:00
KYW	Chicago, Ill.	535.4	5:00-11:00	3:30-10:00	Silent	5:00-11:00	5:00- 9:00	5:00-11:00	5:00- 9:00
NAA	Radio, Va.	434.5	Silent	Silent	6:45- 7:00	7:30- 8:30	Silent	Silent	Silent
PWX	Havana, Cuba	400	7:30-10:00	7:00- 9:15	7:30-10:00	7:30-10:30	7:00- 9:15	Silent	Silent
WADC	Akron, Ohio	258	5:30- 6:30	5:30- 6:30	5:30- 1:00	5:30-10:00	5:30- 6:30	5:30- 9:00	5:30-10:00
WAHG	Richmond, N. Y.	315.6	10:00-12:00	Silent	5:30-12:00	Silent	5:30-10:00	Silent	6:00- 9:00
WAIU	Columbus, Ohio	293.9	8:15-10:00	2:00- 3:00	5:00-10:30	5:00-11:00	5:00- 6:00	5:00- 6:00	5:00-11:00
WAMD	Minneapolis, Minn	244	6:15-10:30	6:15-10:30	7:00-12:00	Silent	7:00-12:00	6:15-12:00	6:15-12:00
WBAL	Baltimore, Md.	246	Silent	5:30- 7:30	5:30- 9:00	5:30- 9:00	Silent	5:00- 9:00	5:30-10:00
WBAP	Fort Worth, Tex.	475.9	7:30-11:00	5:00-11:00	7:30-12:30	7:30-11:00	Silent	7:30-11:00	7:30-11:00
WBAR	Sisiht, Wis.	406	Silent	10:00-11:00	9:00-10:00	Silent	8:00- 9:00	7:30- 8:30	Silent
WBBM	Chicago, Ill.	226	7:00- 1:00	3:00- 1:00	5:00- 6:00	7:00-11:00	7:00- 1:00	7:00-11:00	7:00- 9:00
WBBR	StatenIsland, N.Y.	272.6	6:00- 8:00	7:00- 8:15	6:00- 7:00	Silent	Silent	6:00- 7:00	Silent
WBCN	Chicago, Ill.	266	8:00-12:00	4:00-11:00	Silent	8:00-12:00	7:00-11:00	8:00- 1:00	8:00-12:00
WBPI	New York, N. Y.	263	4:00- 9:45	Silent	4:00- 9:00	4:00- 9:00	4:00- 9:00	4:00- 5:00	4:00- 9:00
WBZ	Springfield, Mass.	333.1	5:15- 8:00	4:00- 7:00	5:00- 9:00	5:15- 9:00	5:00- 9:00	5:00- 9:00	5:00- 9:00
WCAE	Pittsburgh, Pa.	461.3	4:30- 7:30	3:00- 8:15	6:00-10:05	6:00-10:05	6:00- 9:00	6:00-10:00	6:00-10:00
WCAP	Washington, D.C.	468.5	Silent	3:00- 9:15	6:00-10:00	Silent	6:00-10:00	Silent	5:00-11:30
WCAU	Philadelphia, Pa.	278	Silent	3:00- 9:00	5:30- 9:00	4:30- 9:30	5:30-10:00	4:30-10:30	4:45- 9:30
WCBD	Zion, Ill.	344.6	Silent	7:00- 9:30	Silent	7:00- 9:30	Silent	7:00- 9:30	Silent
WCCO	Minn.-St.P., Minn.	416.4	6:15-11:05	4:10-10:35	6:15-10:00	6:00-10:30	6:00-12:30	6:15-11:05	6:15-11:05
WCOA	Pensacola, Fla.	222	1:00-12:00	Silent	6:30- 7:30	Silent	6:30- 7:30	Silent	6:30- 7:30
WCX	Detroit, Mich.	516.9	5:00- 6:00	6:15- 7:15	5:00- 8:00	5:00- 1:00	5:00- 8:00	5:00- 8:00	5:00- 9:00
WDAF	Kansas City, Mo.	365.6	6:00- 1:00	4:00- 4:45	6:00- 1:00	6:00- 1:00	6:00- 1:00	6:00- 1:00	6:00- 1:00
WDBO	Winter Park, Fla.	240	8:00- 9:30	4:00- 5:00	8:00- 9:30	8:30-10:00	8:00- 9:30	8:00- 9:30	8:00- 9:30
WDWF	Providence, R.I.	440.9	Silent	Silent	Silent	5:45- 6:00	5:25- 6:40	5:45- 6:00	5:45- 6:00
WEAF	New York, N.Y.	491.5	4:00-10:00	1:00- 8:15	4:00-10:00	4:00-10:00	4:00-10:00	4:00-10:00	4:00-10:00
WEAN	Providence, R.I.	270.1	4:30- 8:30	5:30- 6:45	4:30- 8:30	4:30- 8:30	4:30- 8:30	4:30- 8:30	Silent
WEAO	Columbus, Ohio	293.9	Silent	Silent	Silent	6:00- 8:00	7:00- 8:00	7:00-10:00	Silent
WEAR	Cleveland, Ohio	389.4	6:00-12:00	6:00- 9:15	6:00- 7:00	6:00-11:00	6:00- 7:00	6:00-10:00	6:00-11:00
WEBH	Chicago, Ill.	370.2	6:00- 1:00	4:00- 8:00	Silent	6:00-11:30	6:00-11:30	6:00-11:30	6:00-11:30
WEBJ	New York, N.Y.	272.6	Silent	Silent	Silent	6:00- 8:00	6:00- 8:00	Silent	6:00- 7:00
WEEI	Boston, Mass.	348.6	Silent	4:00- 8:15	4:45- 9:30	5:30- 9:30	4:13- 9:00	5:30- 9:00	5:30- 9:00
WEMC	Berrien Spgs., Mic	285.5	Silent	7:15- 9:10	7:15- 8:15	Silent	7:15- 8:15	Silent	8:00-10:05
WENR	Chicago, Ill.	265.3	5:00- 1:00	1:00-11:00	Silent	5:00- 9:00	6:00- 1:00	5:00- 9:00	5:00- 1:00
WFAA	Dallas, Texas	475.9	6:30-12:00	6:00-12:00	6:30- 9:30	6:30-12:00	Silent	6:30- 9:30	6:30- 9:30
WFBH	New York, N.Y.	272.6	9:30-12:00	3:00- 6:00	9:30-12:00	9:30-12:00	9:30-12:00	9:30-12:00	9:30-12:00
WFI	Philadelphia, Pa.	394.5	4:30-10:00	2:30- 3:30	5:00- 6:00	4:30- 9:30	5:00- 6:00	4:30- 9:00	5:00- 6:00
WGBF	Evansville, Ind.	236.1	Silent	Silent	Silent	7:15-10:00	Silent	Silent	7:00- 8:00
WGBS	New York, N.Y.	315.6	4:30- 9:30	6:00- 7:00	5:00- 5:15	4:00- 9:30	4:00- 6:30	4:00- 6:45	Silent
WGBU	Fulford, Fla.	278	5:30-12:00	8:30-11:00	5:30-12:00	5:30-12:00	5:30-12:00	5:30-12:00	5:30-12:00
WGCP	New York, N.Y.	252	6:30-10:00	1:00- 4:00	7:00- 9:30	Silent	5:00- 7:15	8:30-11:00	5:00- 7:10
WGES	Oak Park, Ill.	250	4:00-12:00	4:00- 1:00	4:00- 6:00	4:00-12:00	4:00-12:00	4:00-12:00	4:00-12:00
WGHB	Clearwater, Fla.	266	5:30-12:00	Silent	5:30-12:00	5:30-12:00	5:30-12:00	5:30-12:00	5:30-12:00
WGHP	Detroit, Mich.	270	Silent	Silent	5:00-12:00	5:00-12:00	5:00-12:00	5:00-12:00	5:00-12:00
WGN	Chicago, Ill.	302.8	5:55-10:00	5:45-10:00	Silent	5:55-10:00	5:55-10:00	5:55-10:00	5:55-10:00
WGR	Buffalo, N. Y.	319	Silent	4:00- 8:15	4:30-10:00	4:30- 7:00	4:30-10:00	4:30- 8:00	4:30-10:00
WGY	Schenectady, N.Y.	379.5	4:30- 9:30	2:00-10:00	5:30- 8:00	5:45- 9:00	5:35- 8:05	5:45-10:30	5:00-10:00
WHA	Madison, Wis.	535.4	Silent	Silent	8:00- 9:00	Silent	8:00- 9:00	Silent	8:00- 9:00
WHAD	Milwaukee, Wis.	275.1	Silent	3:15- 4:15	6:15-10:00	6:15- 7:00	6:15-12:30	6:15- 7:00	6:15-10:00
WHAR	AtlanticCity, N.J.	275.1	5:30- 7:00	5:50- 8:00	5:30-10:00	5:30- 7:00	Silent	5:30-10:00	5:30- 7:00
WHAS	Louisville, Ky.	399.8	7:30- 9:00	4:30- 5:30	Silent	7:30- 9:30	7:30- 9:00	7:30- 9:00	7:30- 9:00
WHAZ	Troy, N.Y.	379.5	Silent	Silent	8:00-11:00	Silent	Silent	Silent	Silent
WHB	Kansas City, Mo.	365.6	Silent	8:00- 1:00	7:00- 8:00	7:00-10:00	7:00- 8:00	7:00-10:00	7:00- 8:00
WHN	New York, N.Y.	361.2	Silent	1:00-10:30	4:30-10:30	4:00-11:00	4:00-11:00	4:00-11:00	4:00-11:00
WHO	Des Moines, Ia.	526	Silent	5:00-12:00	7:30-12:00	7:30-12:00	6:00-12:00	7:30-12:00	7:30-12:00
WHT	Chicago, Ill.	399.8	6:00-12:00	11:00- 9:30	Silent	6:00-12:00	6:00-12:00	6:00-12:00	6:00-12:00
WIBO	Chicago, Ill.	226	5:00- 7:00	5:00-11:00	Silent	5:00- 1:00	5:00-11:00	5:00- 1:00	5:00- 1:00
WIP	Philadelphia, Pa.	508.2	4:05-10:05	2:00-8:30	4:05- 6:00	4:05-10:00	4:05- 6:00	4:05-10:00	4:05- 6:00
WJAR	Providence, R. I.	305.9	Silent	5:20- 8:15	5:45- 9:00	5:30- 8:00	5:30- 9:00	5:45- 9:00	6:00-10:00
WJAS	Pittsburgh, Pa.	275.3	6:00-11:00	Silent	6:00-11:00	6:00-11:00	6:00- 1:00	6:00-11:00	6:00-11:00
WJAX	Jacksonville, Fla.	336.9	7:00- 9:00	6:30- 7:30	7:00- 9:00	7:00-11:00	7:00- 9:00	7:00-11:00	7:00- 9:00
WJAZ	Chicago, Ill.	322.4	Silent	Silent	Silent	Silent	Silent	10:00-12:00	Silent
WJJD	Mooseheart, Ill.	370.2	4:30-12:00	2:00- 3:00	Silent	4:30-12:00	4:30-12:00	4:30-12:00	4:30-12:00
WJR	Pontiac, Mich	516.9	6:00-11:30	Silent	6:00-11:30	6:00- 9:00	6:00-11:00	6:00-10:00	6:00- 9:30
WJZ	New York, N.Y.	454.3	5:00- 8:25	12:30- 9:00	5:00- 9:15	5:30- 9:45	5:00- 9:15	5:00-10:00	5:00-10:00
WKAQ	San Juan, P. R.	340.7	Silent	Silent	Silent	Silent	6:00- 8:00	6:00- 8:00	6:00- 8:00
WKAR	Lansing, Mich.	285.5	Silent	Silent	6:15- 8:00	6:00- 7:00	6:00- 8:00	6:00- 7:00	6:15- 8:00
WKRC	Cincinnati, Ohio	422.3	9:00-10:15	4:15-10:15	4:00-11:00	8:00-10:45	4:00-11:00	8:00-10:15	Silent
WLIB	Chicago, Ill.	302.8	6:00-11:30	4:00- 5:15	Silent	6:00-11:30	6:00-11:30	6:00-11:30	6:00-11:30
WLIT	Philadelphia, Pa.	394.5	5:30- 6:30	4:30-6:00	6:15- 8:45	5:50- 6:50	6:00- 9:00	5:30- 6:30	7:30-11:00
WLS	Chicago, Ill.	344.6	6:30-11:00	5:00- 6:55	Silent	5:40- 6:55	5:40-12:00	5:40- 6:55	5:40-10:00
WLW	Cincinnati, Ohio	422.3	6:00- 9:00	3:00- 8:30	6:00-10:00	5:00- 9:00	6:00-11:00	6:00-12:15	Silent
WLWL	New York, N.Y.	288.3	Silent	5:00- 6:00	6:00- 8:00	Silent	Silent	6:00- 8:00	Silent
WMAK	Lockport, N.Y.	265.5	4:15- 9:00	5:30- 6:30	5:30- 9:00	4:15- 5:15	5:30- 8:00	5:15- 6:00	Silent
WMAQ	Chicago, Ill.	447.5	5:00- 9:00	Silent	Silent	5:00- 8:55	5:00- 8:55	5:00- 8:00	5:00- 8:55
WMAZ	Macon, Ga.	260.7	Silent	Silent	9:00-10:00	7:00- 8:00	10:00-11:00	9:00-10:00	7:00-10:00
WMBB	Chicago, Ill.	250	6:00-10:00	2:00-10:00	Silent	6:00-10:00	6:00-10:00	6:00-10:00	6:00-10:00
WMBF	Miami Beach, Fla	384.4	6:00-12:00	6:00-12:00	6:00-12:00	6:00-12:00	6:00-12:00	6:00-12:00	6:00-12:00
WMC	Memphis, Tenn.	499.7	7:15- 9:30	Silent	7:15- 9:00	7:15-12:00	Silent	7:15- 9:45	7:15-12:00
WMCA	New York, N.Y.	340.7	7:00-11:00	5:00- 8:00	7:00-10:00	6:00-10:00	7:00-10:00	7:00-10:00	6:00- 9:45
WNAC	Boston, Mass.	280.2	4:00- 9:00	1:15- 6:45	4:30- 8:45	4:00- 7:00	4:00- 8:00	4:00- 7:00	4:00- 9:00
WNYC	New York, N.Y.	526	5:00- 8:30	7:00- 9:00	5:35- 8:30	5:10- 9:30	5:30- 8:30	5:30- 8:30	5:30- 8:30
WOAI	San Antonio, Tex.	394.5	Silent	7:30-10:30	Silent	8:30-10:30	8:30- 9:30	Silent	8:30- 9:30
WOAN	Lawrenceb'g, Tenn	282.8	Silent	9:00-10:00	9:00- 1:30	9:00-10:00	9:00-10:00	9:00-10:00	9:00-10:00
WOAW	Omaha, Nebr.	526	6:00-12:00	6:00- 9:00	6:00-11:00	6:00- 1:00	Silent	6:00- 1:00	6:00-11:15
WOAX	Trenton, N. J.	240	Silent	7:30- 9:30	Silent	Silent	Silent	Silent	Silent
WOC	Davenport, Iowa	483.6	9:00-10:00	6:30-11:30	Silent	6:00-10:00	6:00-10:30	6:00-12:00	7:30-11:00
WOI	Ames, Ia.	270.1	Silent	Silent	Silent	Silent	Silent	7:05- 8:30	Silent
WOK	Homewood, Ill.	217.3	9:00-12:00	6:00-12:00	Silent	9:00-12:30	9:00-12:30	9:00-12:30	9:00-12:30
WOO	Philadelphia, Pa.	508.2	5:30- 6:30	4:00- 5:00	5:30-10:00	5:30- 6:30	5:30- 9:30	5:30- 6:30	5:30- 9:30
WOOD	Grand Rpds, Mich.	242	9:00-12:00	Silent	9:00- 1:00	9:00-12:00	9:00-12:00	Silent	9:00-12:00
WOQ	Kansas City, Mo.	278	8:00-11:00	7:00- 7:45	Silent	8:00- 9:00	Silent	7:00- 9:00	Silent
WOR	Newark, N. J.	405.2	4:15-10:00	Silent	4:15-10:00	4:15- 6:00	4:15- 9:30	4:15- 6:20	4:15- 6:00
WORD	Batavia, Ill.	275	6:00- 9:25	1:30- 9:00	Silent	6:00-11:45	6:00-11:00	7:00- 9:00	6:00-11:45
WOS	JeffersonCity, Mo.	440.9	Silent	5:00- 8:30	8:00-10:00	Silent	8:00-10:00	Silent	8:00-10:00
WPG	Atlantic City, N.J.	299.8	4:45-10:00	1:15- 9:00	4:45-10:00	4:45-10:00	Silent	4:45-10:00	4:45-10:00
WQJ	Chicago, Ill.	447.5	6:00- 2:00	2:00- 9:00	Silent	6:00- 1:00	6:00- 1:00	6:00- 1:00	6:00- 1:00
WRC	Washington, D.C.	468.5	6:00-11:00	Silent	Silent	6:00-10:30	Silent	6:00-11:30	Silent
WREO	Lansing, Mich.	285.5	5:00-11:00	6:00- 7:00	5:00- 6:00	5:00- 8:15	5:00- 6:00	5:30-11:30	Silent
WRVA	Richmond, Va.	256	Silent	Silent	7:00-10:00	10:00-12:00	7:00-10:00	7:00-10:00	6:00-10:00
WRW	Tarrytown, N.Y.	273	6:00- 9:30	6:00- 9:30	7:00- 9:30	7:00- 9:30	7:00- 9:30	7:00- 9:30	7:00- 9:30
WSAI	Cincinnati, Ohio	325.9	6:00-11:00	6:45- 8:15	9:00-11:00	5:00- 9:00	5:45-10:15	6:00- 9:00	Silent
WSB	Atlanta, Ga.	428.3	8:00-12:00	7:30- 9:15	8:00-12:00	8:00-12:00	10:45-12:00	8:00-12:00	8:00-12:00
WSBC	Chicago, Ill.	209.7	5:30- 3:00	5:30-12:00	5:30- 6:00	5:30-12:00	5:30-12:00	5:30-12:00	5:30-12:00
WSM	Nashville, Tenn.	282.2	7:00-12:00	7:30- 9:00	6:30-11:00	10:00-12:00	6:30-12:00	Silent	6:30-11:00
WSMB	New Orleans, La.	319	9:30-11:30	Silent	9:30-11:30	Silent	9:30-11:30	9:30-11:30	Silent
WSUI	Iowa City, Iowa	483.6	Silent	9:15- 9:45	7:30- 8:30	Silent	7:45- 8:45	Silent	Silent
WSWS	Chicago, Ill.	275.1	5:00-10:00	5:00-10:00	Silent	5:00-10:00	5:00-10:00	5:00-11:00	5:00-11:00
WTAG	Worcester, Mass.	268	Silent	2:00- 8:15	5:00- 9:00	5:45- 9:00	5:40- 9:00	6:00- 9:00	6:15- 8:30
WTAM	Cleveland, Ohio	389.4	5:00-11:00	Silent	5:00-12:00	5:00- 6:00	5:00-12:00	5:00- 6:00	5:00- 6:00
WTIC	Hartford, Conn.	475.9	5:30-11:00	4:00- 9:30	5:50-11:00	Silent	5:30- 9:30	5:30- 6:30	5:30-11:00
WWJ	Detroit, Mich.	352.7	Silent	1:00- 8:15	5:00- 9:00	5:00- 7:00	5:00- 9:00	5:00-11:30	5:00- 9:00

STATIONS IN ORDER OF WAVE LENGTHS

Meters	Call	Meters	Call	Meters	Call	Meters	Call	Meters	Call	Meters	Call
209.7	WSBC	263	KFNF	285.5	WEMC	336.9	WJAX	394.5	WLIT	468.5	WCAP
217.3	WOK	263	WBPI	285.5	WKAR	340.7	KFAB	394.5	WOAI	468.5	WRC
222	WCOA	265.6	WMAK	285.5	WREO	340.7	WKAQ	399.8	WHAS	475.9	WBAP
226	KFWI	266	WBCN	288.3	KFKX	340.7	WMCA	399.8	WHT	475.9	WTIC
226	WBBM	266	WGHB	288.3	WLWL	344.6	WCBD	400	PWX	475.9	WFAA
226	WIBO	268	KFH	293.9	KTBI	344.6	WLS	405.2	KHJ	480	CYL
229	KMMS	268	WTAG	293.9	WAIU	348.6	KOB	405.2	WOR	483.6	WOC
232.4	KFON	270.1	WEAN	293.9	WEAO	348.6	KWSC	406	WBAR	483.6	WSUI
236.1	WGBF	270.1	WGHP	296.9	KPRC	348.6	WEEI	410.7	CKAC	491.5	KGW
240	KFVE	270.1	WOI	299.8	KUOA	350	CZE	416.4	WCCO	491.5	WEAF
240	KTAB	272.3	KWKH	299.8	KSL	352.7	WWJ	421	KIAF	499.7	KFRU
240	WDBO	272.6	WBBR	299.8	WPG	356.9	CFCA	422.3	WLW	499.7	WMC
240	WOAX	272.6	WEBJ	302.8	WGN	356.9	CKCL	422.3	WKRC	502.8	KFQB
242	KSO	272.6	WFBH	302.8	WLIB	356.9	CKNC	428.3	WSB	508.2	KLX
242	WOOD	273	WRW	305.9	KTCL	361.2	KGO	428.3	KPO	508.2	WIP
244	WAMD	275.1	WHAD	305.9	WJAR	361.2	WHN	434.5	CNRO	508.2	WOO
246	WBAL	275.1	WHAR	309.1	KDKA	365.6	WDAF	434.5	CFCN	516.9	CJCA
250	KFXF	275.1	WORD	315.6	KFDM	365.6	WHB	434.5	NAA	516.9	WCX
250	WGES	275.1	WSWS	315.6	KPSN	370.2	WEBH	435	AT9	516.9	WJR
250	WMBB	275.3	WJAS	315.6	WAHG	370.2	WJJD	440.9	KLDS	526	WHO
252	KFWB	278	KOIL	315.6	WGBS	374.8	KTHS	440.9	WDWF	526	WNYC
252	KMA	278	KWWG	319	WGR	379.5	WGY	440.9	WOS	526	WOAW
252	WGCP	278	WCAU	319	WSMB	379.5	WHAZ	447.5	WMAQ	535.4	KYW
256	WRVA	278	WGBU	322.4	WJAZ	384.4	CKY	447.5	WQJ	535.4	WHA
258	WADC	278	WOQ	329.5	KOA	384.4	KJR	454.3	KFOA	545.1	KFUO
260.7	KFWA	280.2	KMOX	325.9	WSAI	384.4	WMBF	454.3	WJZ	545.1	KSD
260.7	KFJF	280.2	WNAC	333.1	WBZ	389.4	WEAR	455	KTW		
260.7	KWKH	282.8	WOAN	336.9	KNX	389.4	WTAM	461.3	WCAE		
260.7	WMAZ	282.8	WSM	336.9	KFMX	394.5	WFI	467	KFI		

"A STEP ON THE STAIRS"

(Continued from preceding page)

would have difficulties if I went to the village constable at Pelican Bay and told him my story. I thought I'd make sure.

"Before Peleg Turner started on his long cruise I always had the run of this house. Very few people knew about it because as Uncle Peleg had explained, he did not have many intimates. I used to play around here with John Carton when we both were little children. I kept coming over to see Uncle Peleg after John went away to college.

"On the night of the murder I ran over in my car from Portsmouth to ask Uncle Peleg when Johnny was coming home. The door was open so I walked in."

"You did not know then that Peleg Turner had brought his brother here and left on a long cruise?" asked Everett.

"I had heard that he was going on a cruise. He told me so in Portsmouth when he came up to say goodbye. But he had said something about going back to the house for a day or two. There was a chance that he was still at home. . ."

"Did you see Jeremiah Turner?"

"No sir . . . I never saw Jeremiah Turner. . . I walked into the house as I said and I was just about to call out when I heard strange voices in the huntroom.

"Two men were talking. I gathered that they had some sort of a job to do.

" 'John Carton will be home from school tomorrow or next day,' one of them said. 'And if he sees Jeremiah Turner it will be too late then to make any substitution.'

I GOT down on my hands and knees and crawled to the hall door. It was dark in the hunt-room except for a little moonlight coming through that window over there. I saw some sort of a bundle on the floor.

"The second man spoke then. . . I thought his voice was familiar, but he spoke in whispers and I couldn't be sure.

" 'You're sure this Carton kid never saw his uncle Jerry,' he asked. And the first man said, 'Not a chance. Jeremiah was brought back here from India. He's been over there fifteen years.'

" 'Then,' the second man said, 'I guess you'd better solve your problem now.'

" 'What about you?' the first one asked and the second laughed. 'It's your funeral,' he said. 'This is your gang and you can run it to suit yourself. But you didn't hire me to solve any puzzles. Me, I'm getting out of here right now.'

"Then there was a long silence. It puzzled me then. It kept puzzling me until tonight. I know now that the second man went out through the front door. I also know now that he was Milford Jones whose skull was fractured by Hari Singh."

"Where was Jeremiah Turner?"

"I'm getting to that . . . As I said, it was dark and I couldn't make out much of what was going on in the room. It never occurred to me that the bundle on the floor might be Uncle Jeremiah. I had only a vague sensation that something terrible was going to happen and when it did happen it was all so sudden that I couldn't move hand or foot. I just stayed in a daze.

"The first I knew of what was going on was when I heard quick footsteps on the floor and then a dull hammering and snapping sound. It wasn't until the bundle on the floor started to whimper that I realized. . . The man I had heard speaking about his problem was . . . hitting . . . Jeremiah Turner . . . on . . . the head . . . with a poker. . ."

The girl paused as horror brought the scene back to her.

"And that was all of it," she said. "I guess I fainted. The next thing I knew I heard a door slam. I screamed, but it was too late then . . . I was alone in the house except for Uncle Jeremiah and he was dead on the floor there."

"But what gave you your clew to the murderer?"

"A little cough. . . I shall never forget it. The murderer wheezed like a consumptive, while he was at his work. The sound was hardly audible, but it came to me above everything else. . . I knew that some day I should hear that sound again. Tonight I heard it . . . tonight when I was locked in this room with eleven persons I could not trust. I felt that I would go insane . . . I probably was hysterical and not responsible for what I did . . . But just after I had overturned the light and started to steal John Carton's letter I heard that sound in my ear and I caught hold of a hand. . . The first time I got the wrong hand. . . The second time I was more sure of myself and I put the mark where it belonged. . ."

Then without warning the girl went white and pitched forward to the floor beside the murderer.

"She's fainted," said Everett.

"I guess she's got a right to faint if she wants to," observed Tolliver.

"She certainly has," promptly declared Aunt Helen. "She certainly has . . . The dear sweet girl . . . To think of her goin' through all that, an' her just a little slip of a thing like that. . ."

THE guests were gone. John Carton and Mary Williams sat side by side on a divan of Spanish leather while Hari Singh stirred a new fire on the hearth. The pair sat quietly until the soft footed Hindu had departed.

"And so that ends it," said Mary wear-

(Continued on page 28)

Let's Bury the Demon Static

MANY Fans, We Venture to Say, Do Not Know that It Is Perfectly Feasible and Practical to Bury an Antenna, According to the Rules Given Here, and Be Happy All Summer Long

By MILO GURNEY

WITHIN the last few months, several experimenters have taken an unusual interest in the subject of antennas. Such experiments followed the publication by Radio Digest of articles upon underground antennas, by such men as Dr. J. Harris Rogers, George Guyer and Edward T. Jones. The immediate result of these articles was the development of an army of experimenters who installed the types suggested by these men. If the scheme worked it was good, if it didn't, then it was a failure; but out of the maze came the evidence that thousands were interested.

Realizing the problem was one which should be approached with an added thoroughness and that success could only be attained through having a great many experimenters scattered throughout the United States the following plan was devised:

Radio Digest will attempt to supply through its columns at regular intervals all of the information now available upon underground receptors together with other types worthy of trying. In addition, it will suggest constructional ideas for experimentation, together with excerpts from experimenters' reports as received.

Success Depends on Reports

It is obvious that the success to be obtained is entirely dependent upon the number of readers who will assist in making the experiments. This therefore, is an invitation to all who will help, to forward their names and addresses to the Technical Editor. We desire to secure co-workers from every state in the Union, as the study will cover soil, climatic and all conditions which may have a bearing upon the subject.

While these experiments will, in a large measure cover the subject of underground antennas, the primary object will be to limit, so far as possible, the influence of static. Therefore, suggested experiments covering antennas with other locations than underground will be studied.

An intensive effort has been made to collect data upon many types of underground aerials. There are a great many experimenters who have done research along this line and correspondence covering the application of their ideas, together with the results obtained, is likewise solicited in order that it may be passed on to others.

Localities Differ

In order to acquaint those who were unfortunate in not having followed the able articles of the gentlemen mentioned above, a resume of their work will be offered, together with the results obtained in their localities. It must be borne in mind that the results in each instance apply only to the locality of the installation and are likely to vary in other locations according to the moisture content of the earth.

Mr. Guyer's most satisfactory reception was had from an installation following that pictured in figure 1. This consisted of two lengths of No. 14, 7-strand insulated copper wire, each 50 feet long and coiled about 4 feet apart and approximately 4 feet underground. Laying the wire in solenoid or circular form and spacing each turn one above the other with half inch separations, the finished inductance, in Mr. Guyer's locality, left little to be desired. The spacing of the turns was accomplished by filling in with soil as each layer was placed. After completion, the ground was thoroughly soaked in order that a good moisture content might be secured.

We repeat Mr. Guyer's original description of the results he secured from this novel installation, in the belief that many will desire to use it for their first experiment:

Joy to Operate

"Many tests have given me the expected volume and the elimination of the water pipe disturbance and also proved that this last coil works equally well interchangeably with the first on either the antenna, or ground post of the set. I now have a real underground antenna system which is a joy to operate. If you desire similar results be careful to follow instructions in installing your underground system.

"General results are satisfactory beyond my expectations. The volume is splendid. I obtained clear, distinct, resonant and fluidic reception, entirely free from the gaseous, atmospheric conditions led into the set through the usual aerial antenna or loop, but not entirely free, at particular times which you will discover, from those other hindrances and disturbing factors heretofore pointed out.

A Remarkable Reception Record

"All my tryouts in the experiments have been made with my super-heterodyne. It occurred to me that my fine reception might be due, at least in part, to the radio frequency feature of the set, and that a set without such feature might not give such satisfactory results. I borrowed a three tube set—detector and two stages of audio frequency amplification which I had built for another party, with which to give this antenna equipment a tryout. The set used 201A tubes throughout with 90 volts on the plate. I first tested out static conditions through the aerial antenna. Static was overwhelming, rendering reception intolerable. I hooked the set to the underground antenna and turned the tuning dial.

Volume and Clarity

"To my utter astonishment and joyful surprise fluidic music coming from the studio of WSAI at Cincinnati, filled the loud speaker, which was plugged into the last stage, with enough volume to be heard in the third room from the one in which the set was operating. Without moving a dial I plugged the loud speaker into the first stage of amplification. Volume was still great enough to fill the second room from the set. I now plugged the loud speaker into the detector jack. The music came quite pianissimo, but clear and sparkling as a winter solstice night, and could be plainly heard throughout the room in which the set was operating. As I was experimenting I now took off the loud speaker and plugged in the head phones just to see how many distant stations I could tune in, with the detector alone.

"At this sitting I tuned in WLS, WLW, WCBD, WMAQ, KDKA, WREO, WWJ, WCCO, KFI, KHJ, KNX, WGN and KYW. This convinced me that the underground antenna system herein described will work well with any receiving set—provided it is a real receiving set. The distance from the point of operation to the various stations above named will range from 900 to 1,900 miles."

Editor's Note.—Mr. Gurney's second article of this interesting series will reveal an additional experiment in conjunction with Mr. Guyer's underground aerial.

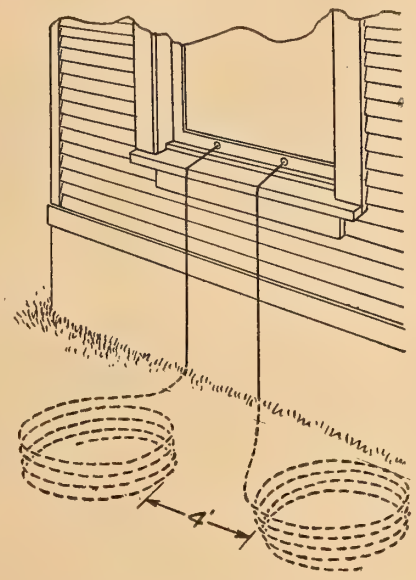


Figure 1. One of the most simple and effective methods of installing an underground antenna is described by Mr. George Geyer and pictured above. One need not dig up the whole yard for this first experiment.

How About You?

HAVE you had experience with an underground aerial? If it was successful what did you learn about it? We wish to gather together all the information possible concerning experiments on the underground aerial for broadcast reception.

We know that the underground antenna system is a great static reducer. However, there are hundreds of variations one may make in the installation of such an antenna. Some of these have proven themselves superior to others—for given localities, climates and types of soil.

If you have experimented with this type of reception, drop Mr. Gurney a note telling all about it.

There are other methods of improving summer Radio. If you, by study or good fortune, have learned of some system or trick to deliver the music better in the warm months, consider yourself also invited to correspond with Mr. Gurney.

—THE EDITOR.

"HIGH-BROW" AND PROUD OF IT

(Continued from page 7)

Naturally early experimenters with voice transmission were quick to see the possibilities of the improved pickup device that the new carbon presented and in 1910, under the direction of Mr. Turner, the operas "Cavalleria Rusticana" and "Pagliacci" were broadcast from the stage of the Metropolitan Opera House. Possibly an audience of 200 experimenters and scientists picked up this broadcast, which clearly demonstrated the improved efficiency of the new microphone over all preceding devices. Today, should the same broadcast privilege be granted a total of 20,000,000 people could hear these famous operas. And while the Metropolitan Opera today refuses to allow its operas to go out on the air, it set a precedent way back in 1910.

Builds Hollywood Station

For the next fifteen years following the broadcasting of these operas, K. M. Turner did not again experiment with Radio transmission, being too deeply engrossed in the manufacture and sale of the acousticon and dictograph. In the spring of 1925, however, then living in Hollywood, California, he decided that Radio had finally emerged from the chrysalis stage and that the time had come when someone should step in and show the way for the Radio station of the future. Several wealthy Los Angeles men were interested in this station that would be different and proceeding slowly, a homemade 50-watt station was put on the air to test the theories of its founders.

It developed immediately there was a large audience ready and anxious to listen to the kind of entertainment KMTR was furnishing, so a 500-watt Western Electric transmitter was installed in the little building on North Wilton Place, Hollywood, and KMTR set out to find its place in the air. After the station was on the air eight months and running smoothly, K. M. Turner stepped out. Nearing 70 years of age, he felt younger men should control this young industry, Radio.

Selects Philharmonic Stars

Briefly, that is the story of KMTR. Those living within reach can tune to 238 meters any evening except Sunday, between the hours of 8 and 10 p. m. Pacific time, with a certainty of hearing first-class concert music played by the KMTR concert orchestra, an organization of first chair men of the Los Angeles Philharmonic orchestra led by Loren Powell, first violin of that famous orchestra. The KMTR concert orchestra plays concert music only, and to enable listeners to know exactly what selections will be played on any one night, detailed programs for one month in advance are mailed to a large audience. The station is non-commercial, that is, does not put on programs for toll and the expense is borne by several well-known Los Angeles business men who do not wish their names mentioned.

Carlton King, or "Dad" King as he is known, is the announcer and studio manager of the station. He fits the part. An actor of considerable experience he was in charge of the Navy club in New York, during the World War and later directed and produced motion pictures for his own company. His popularity with the Radio audience is shown by the success of his Morning Family Circle which goes on the air daily at 9 a. m.

Possibly the biggest feature of KMTR, and undoubtedly the biggest with the children, is the home hour broadcast from 5 to 6 p. m. daily except Saturday and Sunday. The home hour is presided over by Georgia Simmons, or Mammy Simmons as she is known to everyone. A real Southerner from the South, an experienced story teller to the children, her hour at KMTR was a big success from (*Continued on page 28*)

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Nice Weather We're Having

WE HAVE been doing an unusual amount of listening of late, chiefly, we believe, because the Radio weather has been so consistently good. So opens many a conversation in which the participants become embroiled in a competition of telling the biggest ones. However, we shall not start such a Radio story contest.

Of course, a spell of good reception is due us, for January, February, and even March, certainly fell very far short of expectations. Perhaps the order has been so far reversed that we may have good listening even through June. Sun spots, the weather, atmospherics and Radio range are peculiar things.

Wonder how you listen in. When we decide to stay home and enjoy a Radio evening, we follow a set procedure. Early in the evening we tune in KDKA first, then WOC. If these two come through loud and clear, with a low static-to-signal ratio, then we are assured we can cruise the country and hear what we desire. Time enough then it is to study the programs.

We find the columns of this publication unusually helpful here. We read the "headliners today" and check those in which we are interested. If not particularly interested in the headliners, we go further and read through the detailed programs to find where and when our best-liked entertainers are broadcasting, or where our favorite type of music, talk or other entertainment is to be found. Then we plan our evening by the clock.

Our receiver has been carefully logged. If, when we set the dials, the station does not come through with volume and good quality, we can only blame nature for some trick to shut the station out. We don't blame the receiver once WOC and KDKA have come through clearly.

We wonder how it was possible for us to get along without a set not so many years ago. We feel a personal interest in artists we have never seen, in cities we have never visited, in topics discussed over the air which would not interest us in print.

Here we are—talking about something foreign to the good Radio weather we began to talk about. But most conversations start with the weather, and we hope the present brand of it continues.

Plant Your Garden Antenna Early

ABOUT this time of the year the wife hands you a spade and tells you to go out and dig up the ground for a garden, pardon us, THE garden—wherein many beautiful examples of the gardener's art are supposed to grow and attempt to live up to the pictures of themselves on the seed packets.

Some of us get a kick out of digging in the garden. Others of us, however, are more inclined to tinker with the Radio set, booh at a baseball game, crawl under and overhaul the flivver, or yell, "Fore," as we swing away at a small white sphere resting on a cone of sand. To the second class mentioned, which includes many in the other classes named, we submit this excellent suggestion to be used for what it is worth, providing of course, your wife insists that you dig that garden.

First read the article in this issue on the subject of underground antennas. Take it from us that they are good. They reduce summer static outbursts to their proper place in the order of things. Radio Digest first discovered that Dr. J. Harris Rogers had produced working underground antenna which would reduce the static ratio and increase the chances of you hearing programs without your ear drums being burst. And Radio Digest is again recommending it to you.

Next take the spade your wife gives you and dig the garden and the hole for the underground antenna. Of course, the third and most logical step is to plant the garden and the antenna. However, we would mark this point of difference:

The garden may not come up to your expectations, but the underground antenna will make up for this deficit by supplying you with good Radio programs all summer long.

RADIO INDI-GEST

Your Presence

Last night my heart was sore oppressed with gloom
And in the quiet of the room
I sat in loneliness and wept.
And as the stealthy silence 'round me crept,
I turned to the Radio to bring me cheer
And to hear the voice I love so dear.
My aching heart was breaking with despair
When lo, I sensed your presence in the air.
I listened for the words you often say,
But you came not to talk, nor long to stay;
I wept no more, and reaching for your hand
Again I felt your magic—the power to understand.
You softly pressed your cheek against my face,
Then quickly left me, drifting into space.
But waking suddenly, my heart was stirred
By a dream more eloquent than any work.

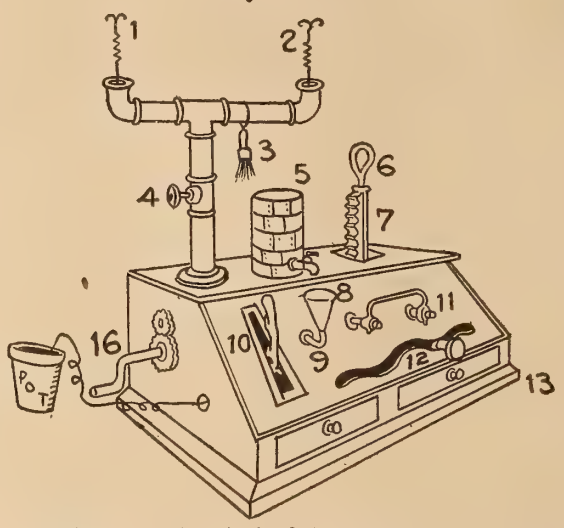
"THAT RED HEAD GAL"

Choose Your Weapons, Gentlemen

Dear Indi: Why this eternal controversy? Can't you settle it? Suggest you get the Third Trombone Player and Dielectric in Webster Arena, Pabst Park, and let them have at it with seven syllable words and pewter steins. And let the best man brag about it.

PETE PETITE

Cilly Circuits



Dear Indi: This hook-up is the Orphanola UV-29 and was designed after listening to several experts discuss, argue and lecture on the subject of Radio during office hours in an engineering department. It is Dalen's circuit. The parts follow: 1, Antenna and impedance checker; 2, low loss feature; 3, tickler; 4, valve to regulate frequency currents; 5, standpipe for static head; 6, push pull unit; 7, rack to produce straight line reception; 8, grid leak; 9, feed back; 10, station puller; 11, shafts connected so one-armed man can operate; 12, wave length producer; 13, concrete base for testing tubes; 14 and 15 shown in figure 2; 16, gears for changing diameter of coils; pot at left contains ground. JOHN J. SCHNEIDER

Silent Night

'Tis Silent Night with me tonight,
I sit and read and smoke
And listen to the family talk
And hear them laugh and joke.
I do not turn and twist the dials
And DX try to get—
I do not cuss my neighbor
With his blooping super-het.
I do not fuss and fume and roar—
Just let the bloopers blop.
For silent is the night for me—
My battery's in the shop!

OLD KING TUTT

Tuned Himself Out

Dear Indi: With the aid of Sir Oliver Lodge and Sir Conan Doyle, I have just pulled off an interview with the spirit of the first Englishman ever to commit suicide with the aid of his Radio.

He never tuned in to jazz, only to music. When the latter came along it happened to be Mendelssohn's "Funeral March." Struck by the majestic beauty of the piece and feeling that it was being played in vain, he heroically gave his life as a sound reason for the broadcast. LONDON BOBBY

Radio Rhymes

There, little crystal set,
Don't you cry—
You'll be a het'rodyne
Bye-an-bye!

SANTA FE BALDY

Might Freeze You Out

Fairice alaska.

Edator Indi: I got a lettr from the Patnt dept. of U. S today and he said they was getting the final papers out on my ice mashine. I have been offrd some Florida property for it but I aint as dumm as I look. One man has offrd me ½ interst in Ellis Island, just off New York harbour. I am going to think it over. He sais he gets lots of money out of it, renting rooms to forenurs. I think it would be a good trade, don't you?

Always as ever
KITTLE DRUMMER

FRANQUE FILOSOFEE

He Who Lies Last, Lies Best.

INDI

Police Protection

Condensed

BY DIELECTRIC

Sport fans are at last furnished from headquarters with the first-hand news of events in the ring, etc., which call forth the enthusiasm of excited crowds at the ringside. We may not "see" all the big fights as they are staged in the arena at Madison Square Garden, New York, but surely enough "good" fights will be pulled to make us grateful for the broadcasting by Tex Rickard from Station WMSG. The initial program featured some speakers of national fame and music equal to most that is heard nowadays. Announcement was made that this new station will aim to foster and develop interest in sporting events of all sorts. Ringling circus miked pretty well.

Station WNAC, Boston, presented a concert orchestra program the other evening which was a delight to anyone interested in this class of music. Selections were chosen that gave free play for individual voices in the orchestra to be heard in a kind of obbligato effect. After listening a long time to numbers allowing no such variation, it is refreshing to hear a flute, oboe, clarinet, French horn or tuba carry the theme above the accompanying instruments. It isn't necessary to choose "heavy" numbers for such presentation.

Another community concert proved satisfactory when Station WCCO, Minneapolis-St. Paul, staged one recently. It compared very favorably with those better known to the Radio public because of more frequent presentation and included instrumental selections well rendered. Somehow there is a feeling of informal fellowship when tuned to a community affair. It proved a good innovation.

Now the lovers of Hawaiian melodies must have their fill since Station WBAP, Fort Worth, had the good luck to present the Panther Hawaiian trio to their Radio audience. That doesn't mean that they wouldn't want to come back for more of the same entertainment, for they undoubtedly would, but merely to say how enjoyable it was.

An acceptable studio recital program was presented from Station WJR, Detroit, at least, it may have been liked by most listeners throughout. At any rate, one of the features had a lot to commend itself, and that was the quartet which sang with the sole intent to make friends of those tuned in. If there is lacking an unrestrained volley of encomiums, lay the fault at the door of an interfering station because of which the reception was nearly ruined.

Speaking of operations, the Evanston hospital will find itself flooded with applicants for admission following that concert by their nurses glee club a short time ago. Paradoxical as it may be, the really fine work of this glee club made many invite sickness just to be where those voices could be tuned in by pushing a buzzer. How else may the character of their ensemble singing be eulogized so emphatically. Our thanks to Station WEBH, Chicago.

Station WHT, Chicago, puts on a popular music feature which may appeal to many listeners. The best way to describe it to you is to suggest looking up their schedule and trying it out for yourself. I hope you'll like it, as the leader of one of our popular orchestras playing Bach fugues exclusively expresses his desire for approval.

SABBATH SHOULD BE MOTHER'S REST DAY

SIMPLE DINNERS ALLOW MORE LEISURE TIME

Careful Planning and Some Preparation Beforehand Will Make Sunday More Enjoyable for Housewife

Have you heard, and do you regularly listen for Betty Crocker's Radio talks? Miss Crocker is nationally known as a home food specialist who is broadcasting from a dozen of the country's largest stations. By special arrangement Radio Digest has secured a series of exclusive articles by Miss Crocker dealing with her current Radio talks. These broadcasts are made through WEEI, WEAF, WCAE, WGR, WEAR, WWJ, WDAF, WJAR, WHT, WFI, KSD, KFI, and WCCO, the Gold Medal station at Minneapolis-St. Paul. All of Miss Crocker's recipes and discussions are based upon actual investigations and work of herself and her assistants in model kitchens.—Editor's Note.

WE IN America take great pleasure in promoting movements. We organize campaigns to improve child health and to conserve our natural resources. We have safety week, clean-up-week, and swat-the-fly week; we seem to be organized to do almost everything, but there is one movement I should like to organize and that is a campaign to make Sunday a day of rest for Mother.

We have traveled a long way from the strict observance of the Sabbath, which necessitated the preparation of all the food the day before. In most homes, Sunday is now more or less of a feast day. There are a number of reasons why we like to have the Sunday dinner unusually nice. It may be the only opportunity for all of Cousin John's family to have dinner with all of our family, and even though we do not have company, it is an enjoyable meal because we have time to eat and enjoy the food and each other.

By careful planning and some preparation beforehand, it is entirely possible to have a nice dinner even for guests and yet to prepare it with a minimum of time and effort. It may necessitate fewer courses and simpler food in place of the elaborate dishes requiring much preparation, but if the dinner is daintily served, the table arranged attractively, and Mother herself rested and happy, the dinner will be as festive as any one could wish.

Whatever your cooking equipment, meat that is broiled or cooked in the frying pan requires less time for cooking, but demands more attention at a time when you are preparing many other things. You must decide which is easier for you—a roast or a baked meat requiring long cooking or a steak or chops requiring shorter cooking but more attention.

Prepare Vegetables Day Before

It is an advantage to have the meat and vegetables combined in a casserole. If the vegetables are prepared the day before it takes only a short time to prepare the casserole right after breakfast. It will require no further attention until dinner time. I have a very good recipe for braised beef which requires about four hours baking. The vegetables may be cooked with the beef so that the main part of your dinner is ready when the meat is done. This is the way we prepare brazed beef in the Gold Medal Flour kitchen:

Three pounds beef from the rump or lower round, Gold Medal flour, salt and pepper, 2 thin slices of salt pork, ¼ cup diced carrots, ¼ cup diced onions, ¼ cup diced celery, 3 cups boiling water.

Method: Wipe the meat with a damp cloth. Dredge with flour. Sprinkle with salt and pepper. Fry out the pork and sear the entire surface of the meat in the hot pork fat. Place meat on a rack in a roaster or baking dish. Surround with diced vegetables. Add boiling water. Cover tightly and bake in a slow oven, 300°F, about 4 hours. When done, remove meat to a hot platter. Strain out the vegetables and make a thickened gravy of the remaining liquid. The amount of vegetables here given is sufficient only to add flavor to the meat. If you wish to have enough vegetables to serve with the meat, add a larger quantity of any kind you prefer and if necessary use more water to thoroughly cook the vegetables.

Baked Ham Good Oven Dinner

Another good suggestion for an oven dinner is to bake a slice of ham with raw sliced potatoes over the top. Pour milk over the ham and potatoes and bake in a slow oven as you would escalloped potatoes. Spinach goes well with the baked ham and potatoes for an extra vegetable.

A roast is as convenient as any other meat for Sunday and if the potatoes are browned in the roaster you have only the gravy to make the last few minutes before serving. For another vegetable, with the roast and browned potatoes, string beans may be heated with butter in the oven during the last few minutes of your dinner preparation or you may serve carrots which have been cooked the day before and require only a few minutes for reheating.

Meat loaf is always good. It may be prepared the day before or put on to bake early, or it may be baked on Saturday and reheated for Sunday dinner. With meat loaf, baked potatoes are convenient and perhaps another baked vegetable such as baked squash or corn. Or you might serve buttered or sour beets with this dinner. The beets may be reheated in the double boiler the last few minutes before serving.

A leg of lamb with mint sauce is another good suggestion. With this serve creamed potatoes or peas or a green salad.

Meat Balls Convenient

One of the most convenient quick meats is meat balls cooked in tomato sauce. Buy round steak and have it ground, or if you like, buy the regular hamburg which is already ground. Shape the balls and sear them in hot fat. After they are well browned and partly cooked, pour over a can of tomato soup and let simmer slowly until done. Since the tomato soup does not require thickening and is already seasoned, it saves the time necessary to make a sauce or gravy. With the meat balls you could serve rice or macaroni and perhaps a hot slaw or a simple cabbage salad.

For dessert, fresh fruit with cake or cookies attractively served is quite as acceptable as any elaborate dessert. Plain sliced oranges or grapefruit or any fresh or canned fruit may be used, dressed up with a bit of red jelly or a cherry. Whipping cream for dessert means another last minute task. Many fruits and puddings are equally delicious served with thin unwhipped cream or a custard sauce.

ANOTHER WOMAN IS PROGRAM DIRECTOR

Mme. J. S. Pamplin

SAINT PETERSBURG, Fla.—Radio has opened new occupations to women, and Station WIBC here is demonstrating that they can be successful in these new positions, for Mme. Jessie S. Pamplin is program director of the "Sunshine City" broadcaster. When WIBC went on the air, they looked about and found in their own city this remarkable woman. She was conducting a vocal studio, but volunteered to take on the new work. As artist, teacher and cach, Madam Pamplin is one of Florida's leading musicians. Her accomplishments as a linquist are also notable. She speaks five languages and sings six others.

Radio Club Notes

A superpower line, carrying 60,000 volts through northern New York, was found to be the source of interference experienced by Radio listeners in that section. In addition to the power line trouble, federal Radio inspectors found that poor rail bonding, also shade trees touching and grounding the primary of the distribution system of the electric light lines was responsible for added interference. Following an exhaustive test by representatives of the local Radio club and officials of the companies interested, suggestions for the elimination of the trouble were adopted.

* *

Here is good news for those living "out where the tall corn grows". The engineering department of the Iowa State Agricultural college, Ames, Iowa, have outlined a plan to pass judgement upon all types of Radio receivers sent them. The service will be furnished at cost.

Phone Wires Link KHQ to KJR

SEATTLE, Wash.—For the first time in the northwest several broadcasting stations, KJR at Seattle and KHQ at Spokane, were tied in simultaneous line for an experiment to send out the weekly program of the Keep Joy Radiating Order from their Belfry at KJR. Firms sponsoring the programs were delighted with the increased publicity resulting as noted by the hundreds of telegram and telephone calls received. Other northwest stations plan to join hands.

WOMEN'S PROGRAMS INDEX

Saturday

Atlantic	Eastern	Central	Mountain	Pacific
10:30 a.m.	9:30	8:30	7:30	6:30

WWJ (352.7m-850kc) Tonight's dinner.

12 n.	11 a. m.	10	9	8

WEAO (293.9m-1020kc) Housekeepers' half hour.
WEAR (389.4m-770kc) Home service talk.
WHT (399.8m-750kc) Women's club, Jean Sargent.
WGN (302.8m-990kc), Household hints.
WQJ (447.5m-670kc), Home Economics program; May 1, "Fish Salads."

12:30 p.m.	11:30	10:30	9:30	8:30

WGN (302.8m-990kc), Home Management period.

12:35	11:35	10:35	9:35	8:35

KYW (535.4m-560kc), Table talk.

2	1	12 n.	11	10

KGW (491.5m-610kc), Household helps, shopping guide.
KMA (252m-1190kc), Domestic science topics.

2:20	1:20	12:20	11:20	10:20

WGBF (236.1m-1270kc), Garden talk.

6	5	4	3	2

KMOX (280.2m-1190kc), Housewives' hour.

Monday

Atlantic	Eastern	Central	Mountain	Pacific
10:30 a.m.	9:30	8:30	7:30	6:30

WWJ (352.7m-850kc), Tonight's dinner.

10:45	9:45	8:45	7:45	6:45

WTAG (268m-1120kc), Marjorie Woodman, nurse.

11:50	10:50	9:50	8:50	7:50

WMC (499.7m-600kc), Home economics discussion, Miss Kitty.

12 n.	11	10	9	8

WEAO (293.9m-1020kc), Housekeepers' half hour.
WEAR (389.4m-770kc), Home service talk.
WHT (399.8m-750kc) Women's club, Jean Sargent.
WQJ (447.5m-670kc), Home economics program, May 3, "Bananas." "More About the Psychology of Children."
WSWS (275.8m-1090kc), Style shop.

12:30 p.m.	11:30	10:30	9:30	8:30

WEBH (370.2m-810kc), Fashion and household talks.
WGN (302.8m-990kc), Home Management period.
WTIC (475.9m-630kc), Housewife's forum.

12:35	11:35	10:35	9:35	8:35

KYW (535.4m-560kc), Table talk.

12:45	11:45	10:45	9:45	8:45

WCCO (416.4m-720kc), May 3, "Nature's Spring Tonic," Betty Crocker. WDAF (365.6m-880kc), WHT (399.8m-750kc), WJAR (305.9m-980kc), Home service talk, Betty Crocker.

2	1	12	11	10

WSOE (245.8m-1220kc), Ladies' hour.

2:20	1:20	12:20	11:20	10:20

WGBF (236.1m-1270kc), Garden talk.

2:30	1:30	12:30	11:30	10:30

WGY (379.5m-790kc), Cooking lesson, Jessie Lane. "The Health of the Child."

3:30	2:30	1:30	12:30	11:30

KFNF (263m-1140kc), Mothers' hour.

4	3	2	1	12

WCCO (416.4m-720kc), Women's hour.
WSOE (246m-1220kc), Cooking chats.
WIP (508.2m-590kc), Market hints for housewives.
WJZ (454.3m-660kc), "Your Daily Menu."
WQJ (447.5m-670kc), May 3, "The Care of the Hair and Skin."

4:25	3:25	2:25	1:25	12:25

WJZ (454.3m-660kc), Shopping service.

5	4	3	2	1

WOC (483.6m-620kc), Home management schedule, Aunt Jane.

5:15	4:15	3:15	2:15	1:15

KYW (535.4m-560kc), Meat talk, John Cutting.

6	5	4	3	2

KMOX (280.2m-1070kc), Housewives' hour.
WRC (468.5m-640kc), Housekeepers' half hour.

Atlantic	Eastern	Central	Mountain	Pacific
10 p. m.	9	8	7	6

WHA (535.4m-560kc), "Six Years Old—What Preparation for the First Year of School," Edith Hoyt.

10:05	9:05	8:05	7:05	6:05

KFAB (340.7m-880kc), May 17, "Can You Can?" Jessie Greene.

1:15 a.m.	12:15	11:15	10:15	9:15

KGO (361.2m-830kc), "Character Training in the Home," E. Anderson.

Tuesday

Atlantic	Eastern	Central	Mountain	Pacific
10 a. m.	9	8	7	6

WIP (508.2m-590kc), Menu, Anna Scott.

10:30	9:30	8:30	7:30	6:30

WWJ (352.7m-850kc), Tonight's dinner.

11	10	9	8	7

KDKA (309.1m-970kc), Domestic Science. Arts for the Housewife.

12 n.	11	10	9	8

WEAO (293.9m-1020kc), Housekeepers' half hour.
WEAR (389.4m-770kc), Home service talk.
WHT (399.8m-750kc), Women's club, Jean Sargent.
WMCA (340.7m-880kc), Home Makers' hour.
WQJ (447.5m-670kc), Home economics. May 4, "The Large Hat." "May Flowering Tulips." Pep exercises.

12:30 p.m.	11:30	10:30	9:30	8:30

WEBH (370.2m-810kc), Fashion and household talks.
WGN (302.8m-990kc), Home Management period. May 4, "A Trip Through a Department Store Kitchen."

2:20	1:20	12:20	11:20	10:20

WGBF (236.1m-1270kc), Garden talk.

3	2	1	12	11

WGY (379.5m-790kc), Women's club.

4	3	2	1	12

WIP (508.2m-590kc), Menu talk.
WJZ (454.3m-660kc), "Your Daily Menu," Mrs. J. Heath.
WQJ (447.5m-670kc), May 4, "Yellowstone National Park." "Children's Clothes."

4:15	3:15	2:15	1:15	12:15

WHO (526m-570kc), Recipes, household hints.

4:30	3:30	2:30	1:30	12:30

WLIT (394.5m-760kc), Household helps and hints.

5	4	3	2	1

WOC (483.6m-620kc), Home management schedule.

6	5	4	3	2

KMOX (280.2m-1070kc), Housewives' hour.

6:30	5:30	4:30	3:30	2:30

KOA (322.4m-930kc), Housewives' matinee.

7:15	6:15	5:15	4:15	3:15

KOA (322.4m-930kc), Culinary hints, Clara Hoover.

7:45	6:45	5:45	4:45	3:45

WPG (299.8m-1000kc), Fashion Flashes.

9:30	8:30	7:30	6:30	5:30

KGO (361.2m-830kc), As a Woman Thinketh.

Wednesday

Atlantic	Eastern	Central	Mountain	Pacific
10:30 a. m.	9:30	8:30	7:30	6:30

WWJ (352.7m-850kc), Tonight's dinner.

10:45	9:45	8:45	7:45	6:45

WEAF (491.5m-610kc), WFI (394.5m-760kc), Gold Medal service talk, Betty Crocker.
WTAG (268m-1120kc), Talk to Housewives, Mrs. Lydia Flanders.

12 n.	11	10	9	8

WEAO (293.9m-1020kc), Housekeepers' half hour.
WHT (399.8m-750kc), Women's club, Jean Sargent.
WQJ (447.5m-670kc), Home Economics program. May 5 ,"Child Welfare Talk." "Springtime Is Cleaning Time."

12:30 p.m.	11:30	10:30	9:30	8:30

WEBH (370.2m-810kc), Fashion and Household talks.

Atlantic	Eastern	Central	Mountain	Pacific
12:30 p.m.	11:30	10:30	9:30	8:30

WGN (302.8m-990kc), Household management period.

12:35	11:35	10:35	9:35	8:35

KYW (535.4m-560kc) Table talk.

12:45	11:45	10:45	9:45	8:45

WCCO (416.4m-720kc), "Come Out of the Kitchen," Betty Crocker.
WDAF (365.6m-820kc), WHT (399.8m-750kc), WJAR (305.9m-980kc) Home service talk, Betty Crocker.

1:30	12:30	11:30	10:30	9:30

WSUI (483.6m-620kc), May 12, "Dietaries."

2:20	1:20	12:20	11:20	10:20

WGBF (236.1m-1270kc), Garden talk.

4	3	2	1	12

WCCO (416.4m-720kc), Woman's hour.
WJZ (454.3m-660kc), "Your Daily Menu," Mrs. J. Heath. Fashion talk.
WLW (422.3m-710kc), Cooking school.
WQJ (447.5m-670kc), "Sandwiches."

5	4	3	2	1

WMAQ (447.5m-670kc), Recipes.
WOC (483.6m-620kc), Home management schedule, Aunt Jane.

6	5	4	3	2

KMOX (270.2m-1070kc), Housewives' hour.
KOAC (280.2m-1070kc), Housekeepers' half hour.
WRC (468.5m-640kc), Housekeepers' half hour.

7	6	5	4	3

KGO (361.2m-830kc), "Hints for Housekeeper."

8	7	6	5	4

KLX (508.2m-590kc), Woman's hour.
KMA (252m-1190kc), Domestic science talk.

9:15	8:15	7:15	6:15	5:15

KDKA (309.1m-970kc), May 5, "Selection of Roofing Materials."

11:30	10:30	9:30	8:30	7:30

KOAC (280.2m-1070kc), May 5, "Every Child—How Parental Affection Moulds the Child's Personality." May 12, "Bacteriology of Food Production."

Thursday

Atlantic	Eastern	Central	Mountain	Pacific
10:30 a.m.	9:30	8:30	7:30	6:30

WWJ (352.7m-850kc), Tonight's dinner.

10:45	9:45	8:45	7:45	6:45

WTAG (268m-1120kc), Marjorie Woodman, nurse.

11	10	9	8	7

WEAF (491.5m-610kc), Talks, cookery lecture.

11:50	10:50	9:50	8:50	7:50

WMC (499.7m-600kc), Home economics discussion, Miss Kitty.

12 n.	11	10	9	8

WEAO (293.9m-1020kc), Housekeepers' half hour.
WEAR (389.4m-770kc), Home service talk.
WHT (399.4m-750kc), Women's club, Jean Sargent.
WQJ (447.5m-670kc), Home Economics. May 6, "Feet and Their Problems."

12:30 p.m.	11:30	10:30	9:30	8:30

WEBH (370.2m-810kc) Houschould and fashion talks.
WGN (302.8m-990kc), Home Management period. May 6, "A Trip Through a Kitchen on a Lake Steamer."
WOI (270m-1110kc), Talks.

12:35	11:35	10:35	9:35	8:35

KYW (535.1m-560kc) Table talks.

2	1	12	11	10

WGY (379.5m-790kc), "The Money We Need Before Marrying."

2:20	1:20	12:20	11:20	10:20

WGBF (236.1m-1270kc) Garden talk.

4	3	2	1	12

WJZ (454.3m-660kc) Your Daily Menu, Mrs. J. Heath.

Atlantic	Eastern	Central	Mountain	Pacific
4:15 p. m.	3:15	2:15	1:15	12:15

WJZ (454.3m-660kc) "Wall Paper, Room by Room," A. Fillebroun.
WQJ (447.5m-670kc), Home Economics, Helen Downing.

5	4	3	2	1

WOC (483.6m-620kc) Home management schedule, Aunt Jane.

6	5	4	3	2

KMOX (280.2m-1070kc) Housewives' hour.
KOAC (280.2m-1070kc) Housekeepers' half hour.

6:30	5:30	4:30	3:30	2:30

KOA (322.4m-930kc) Housewives' matinee.
WCCO (416.4m-720kc) Women's club program.

7:15	6:15	5:15	4:15	3:15

KOA (322.4m-930kc) Culinary hints, Clara Hoover.

10	9	8	8	7

KUOA (299.8m-1000kc), May 6, "Science for Young Children." May 13, "Plumbing in the Small House." "The Nursing Mother."

Friday

Atlantic	Eastern	Central	Mountain	Pacific
10:30 a.m.	9:30	8:30	7:30	6:30

WWJ (352.7m-850kc) Tonight's dinner.

11	10	9	8	7

KDKA (309.1m-970kc) Domestic science and Arts for the Housewife.

12 n.	11	10	9	8

WEAO (293.9m-1020kc) Housekeepers' half hour.
WHT (399.8m-750kc) Women's hour, Jean Sargent.
WQJ (447.5m-670kc), Sunday dinner menu.

12:15 p.m.	11:15	10:15	9:15	8:15

KYW (535.4m-560kc) Meat talk.

12:30	11:30	10:30	9:30	8:30

WEAR (389.4m-770kc), WJAR (305.9m-980kc), Betty Crocker's Home service talk.
WEBH (370.2m-810kc) Household and fashion talks.
WGN (302.8m-990kc), Home Management period.

12:35	11:35	10:35	9:35	8:35

KYW (535.4m-560kc) Table talk.

12:45	11:45	10:45	9:45	8:45

WCCO (416.4m-720kc), WHT, (399.8m-750kc), WDAF (365.6m-820kc), May 7, "For the Cookie Jar." Betty Crocker.

2:20	1:20	12:20	11:20	10:20

WGBF (236.1m-1270kc) Garden talk.

2:45	1:45	12:45	11:45	10:45

WOAW (526m-570kc) Sunshine Sunday dinner menu.

4	3	2	1	12

WJZ (454.3m-660kc) "Your Daily Menu," Mrs. J. Heath.
WQJ (447.5m-670kc), Home Economics.

4:15	3:15	2:15	1:15	12:15

WHO (526m-570kc) Recipes, household hints.

4:25	3:25	2:25	1:25	12:25

WJZ (454.3m-660kc) "Solving Candy Problems,"

5	4	3	2	1

KYW (535.1m-560kc) Woman's hour.
WOC (483.6m-620kc) Home Management, Aunt Jane.

5:15	4:15	3:15	2:15	1:15

WMAQ (447.5m-670kc)

5:30	4:30	3:30	2:30	1:30

WFAA (475.9m 630kc) Homemakers program.
WMAQ (447.5m-670kc), Foibles of the Moment.

6:30	5:30	4:30	3:30	2:30

KOA (322.4m-930kc) Housewives matinee.

7	6	5	4	3

KOA (322.4m-930kc) Fashion review.

11:30	10:30	9:30	8:30	7:30

KWSC (348.6m-860kc), May 7, "Why Is Your Beefsteak Tough?" "Social Aspects of Mental Hygiene."
KMOX (280.2m-1070kc) Housewives' hour.

GARLANDS OF AIRY TUNES WILL

High Lights of the Air

GARLANDS of airy tunes will welcome in the first of May this year instead of the bright nosegays formerly dropped on the doorsteps. These gay melodies bringing whiffs of forest music will be the May Day gift of the Radio stations. No Radio fan will escape the charm of this Pied Piper, spring.

The Swanee Syncopators, the dance attraction on the Saturday night programs of Station WRC, have been named the second best Radio dance orchestra in the United States by Stuart Rogers, New York Radio critic. They were topped only by Vincent Lopez' Orchestra of New York. The Syncopators play regularly under the direction of Al Kamons.

National Music week will be observed by WTIC with features arranged by music lovers of New Haven. The New Haven Symphony orchestra, Horatio Park choir, the University Glee club, May Bradley Kelsey, soprano, and Harry B. Jepson, organist, will be featured during the Sunday afternoon concert May 2. On May 5 at 7:15 p. m. Eastern Standard time a grand opera concert will be presented from Dorscht hall. On May 6, at the same time, a sacred concert will be given under the direction of Leroy Baumgartner. Prof. Harry B. Jepson, organist, and the New Haven high school orchestra are the features of the Friday program.

Already the spring of the year brings promise of merry sunshine during summer vacations, and "the call of the wild" will be distinctly felt during the concert Tuesday, May 4, between 9 and 10 p. m. Pacific time, given in honor of Yosemite. Anthony Linden, solo flutist of the San Francisco orchestra, Glen Hood, banjoist, and Camp Curry's popular entertainer will be heard. Don Tresidder gives a talk on "The Outdoors."

Oratorios famous throughout the ages will be played by the KDKA Little Symphony orchestra Tuesday evening, May 11. This program will give in an attractive manner the history of this musical form.

Grieg's lovely Peer Gynt suite has been heard from many stations during the short life of Radio, but for the first time the poetic form of Ibsen's play will be broadcast Tuesday, May 11, by WGN, Chicago. The WGN ensemble will play the musical background.

Friday evening, May 7, the newly organized WBAL mixed quartet will broadcast its first concert from 10 to 10:30 p. m. Eastern Standard time. The members of this feature include: Louise Cline, soprano; Maud Albert, contralto; John Wilbourn, tenor; Walter N. Linthicum, basso. This quartet of well-known Baltimore artists is to be a regular Friday event.

Saturday, May 1

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
8:10 p. m.	7:10	6:10	5:10	4:10

WEEI (348.6m-860kc) Boston symphony orchestra.

9:30	8:30	7:30	6:30	5:30

WGN (302.8m-990kc) Light Opera concert.

9:40	8:40	7:40	6:40	5:40

KOIL (277.6m-1080kc), "May Time Festival."

10	9	8	7	6

WLW (422.3m-710kc), Happy Hollow entertainers.

10:30	9:30	8:30	7:30	6:30

WIP (508.2m-590kc), Little Jack Little.
WMC (499.7m-600kc), Alumnae association, Mississippi state college.

11	10	9	8	7

KTHS (374.8m-800kc), Uncle Billy and his Fiddle band.

11:15	10:15	9:15	8:15	7:15

KHJ (405.2m-740kc), Boy Scouts' band.

11:30	10:30	9:30	8:30	7:30

WBAP (475.9m-630kc), Wendell Hall, Red-Headed music maker.

2 a. m.	1	12	11	10

KMTR (238m-1260kc), Hal Roach comedy stars.

Saturday, silent night for: CNRA, CNRC, CNRE, CNRM, CNRR, CNRT, CNRV, CNRW, KFKU, KFKX, KFRU, KFUO, KFXF, KMA, KOAC, KOB, KSAC, KSO, KATB, KWSC, WABQ, WAIU, WBAL, WCAL, WCX, WDOD, WEAO, WEBJ, WEBW, WEMC, WGBF, WGCP, WGHP, WGST, WHA, WHAD, WHAZ, WHN, WHO, WIP, WJAD, WJAR, WKAR, WLIT, WLWL, WMAZ, WNAD, WOS, WRVA, WTAG, WTIC, WWJ.

Atlantic or Eastern Daylight Saving Time Stations

WBBR, New York, N. Y. (272.6m-1100kc), 8 p. m., Dr. Hans Haag, violinist; 8:40, Fred Twaroschk, tenor.
WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., William Penn hotel; 8:30, studio program; 11, news.
WEAF, New York, N. Y. (491.5m-610kc), 4-12 midnight, Vincent Lopez and his orchestra; Boy Scout program; Ross Gorman and his orchestra; orchestra.
WEEI, Boston, Mass. (348.6m-860kc), 8:10 p. m., Boston symphony orchestra; 10, Lucerne-in-Maine quintet.
WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra; 8, WEAF.
WHAR, Atlantic City, N. J. (275m-1090kc), 8 p. m., Seaside hotel trio.
WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 8:15, University of Pennsylvania instrumental trio; 9, Mother Moore, Charlain Dickens and the Boys of the Navy Yard; 10:05, Benjamin Franklin El Patio dance orchestra; 10:30, Little Jack Little; 11:05, organ recital, Germantown theater.
WJZ, New York, N. Y. (454.3m-660kc), 7 p. m., Hotel Commodore concert orchestra; 8:30, Hotel Madison concert orchestra; 10:30, Hotel Vanderbilt orchestra.
WLIT, Philadelphia, Pa. (394.5m-760kc), 7:30 p. m., Benjamin Franklin concert orchestra.
WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Adelphia French Room orchestra.
WPG, Atlantic City, N. J. (299.8m-1000kc), 6:45 p. m., Arthur Scott Brook, organist; 7, Hotel Morton dinner music; 7:30, Elks home dance orchestra; 8, Hotel Ambassador dinner music; 9, Manufacturers association; 10, Katz and his kittens; 10:30 Garden Pier dance orchestra; 11:15, Elks home dance orchestra.

Eastern Standard or Central Daylight Saving Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 6:30 p. m., concert; 8:30, concert.
WBBM, Chicago, Ill. (225.4m-1330kc), 8-10 p. m., Alemite orchestra; Ziegler Stars; Tip trio; Smith and Ford; 10-11, Alemite orchestra; Vanity Fair orchestra; 11-2 a. m., Matched Unit quartet; Ziegler Stars, Fair and Warner; Smith and Ford.
WBZ, Springfield, Mass. (333.1m-900kc), 6:45 p. m., Repertory theater concert orchestra; 7:15, Dr. D. M. Staley, reader; 8:30, Mrs. Marie Belanger Levere, soprano; 8:45, James Nesworthy, harmonica soloist.
WEBH, Chicago, Ill. (370.2m-810kc), 8 p. m., songs, Frank Greif; 9:15-10, Edgewater Beach hotel Oriole orchestra; 11-12 midnight, Oriole orchestra; Kay Ronaine; 1 a. m., Oriole orchestra; 1-3, frolic.
WGN, Chicago, Ill. (302.8m-990kc), 6:45-6:55 p. m., musical program; 6:55-7:15, Drake concert ensemble, Blackstone string quintet, request program; 8-8:10, Auld Sandy; 8:10-8:30, musical program; 8:30-9:30, light opera concert; 9:30-10, old-time prize fight; 10-10:10, Sam 'n' Henry; 10:10-10:20, musical program; 10:20-10:40, play shop; 10:40-11, ensemble.
WGY, Schenectady, N. Y. (379.5m-790kc), 5:30 p. m., Onondaga hotel dinner program, WFBL, WHAM; 7:15, musical program, Boston Store; 9:30, dance program, Syracuse hotel.
WHT, Chicago, Ill. (399.8m-750kc), 7 p. m., Al Carney, organist; 8:45-10:30, (238m-1260kc), Cinderella orchestra; 10:30, (399.8m-750kc), Kitchen Klenzer entertainers; 10:50, Jack Turner, popular singer; Irene Smith; 12, your hour league.
WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., Marie Elita Fay, soprano; WIBO string trio.
WJAZ, Chicago, Ill. (322.4m-930kc), 9-2 a. m., "Spike" Hamilton's orchestra, Johnny Mulaney's Bluejackets.
WJJD, Mooseheart, Ill. (370.2m-810kc), 8-9 p. m., Palmer House Victorians; Isabel Defaut, Edson Farrar; 10-11, Palmer House Victorians; Cook Sisters; 12-1 a. m., setting up hour.
WLIB, Chicago, Ill. (302.8m-990kc), 7:20-7:30 p. m., old-fashioned almanack; 7:15-7:20, The Million Sing; 7:30-8, Blackstone string quintet; 11-11:30, songs, Correll and Gosden; 11:20-12:30 a. m., ensemble; Charley Straight's Rendevous cafe orchestra; Drake dance orchestra.
WLS, Chicago, Ill. (344.6m-870kc), 7 p. m., Ford and Glenn; 7:30, Ralph Emerson, organist; 8-12 midnight, barn dance, WLS Twin Wheeze, Maurice Sherman's College Inn orchestra.
WLW, Cincinnati, Ohio (422.3m-710kc), 8 p. m., Johanna Grosse, organist; 8:30, final installment of "A Step On the Stairs," mystery serial; 9, Happy Hollow entertainers, Stone Brothers; 10, dance music.
WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Sheetz' Hotel LaSalle orchestra; 8, Daw and Pratt; 8:30, Radio photologue; 9, Chicago theater revue.
WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon ensemble; Hilda Hinrichs, cellist; Margaret Conrad, violinist; Preston Graves, pianist; Franklin Kidd, tenor; 9-11, Trianon orchestra, Woodlawn theater orchestra; ensemble; comedy specialties; Ole Larson, Charles Agne, comedy songsters; Clinton Keithley, Jack Goodwin, popular program.
WOK, Chicago, Ill. (217.3m-1380kc), 4:30-7 p. m., Capitol theater organ; ensemble; studio program; 10-1 a. m., Tearney's Town club orchestra; Midway Garden orchestra; Pershing Palace orchestra; Capitol theater program; 1-2, orchestras.
WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9-10 p. m., Elizabeth Barker Van Campen hour of music; Arthur Cliff, tenor; Lylamae Hardesty, contralto; Ardie Elkins, baritone; Robert Jamison, cellist; Fanny Vandenberge, pianist; Edna Darling, reader; 10-11, Boys week program; 11-12, Roy Clark, Pervis Jeffery, Bill Dallavo and his orchestra.
WORD, Batavia, Ill. (275m-1090kc), 7 p. m., Webster hotel concert and orchestra program; 9, studio program.
WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Ralph Williams and his Rainbo Garden concert orchestra; 10-3 a. m., Ralph Williams and his Rainbo Skylarks; Rose Vanderbosch; Hal Lansing and his uke; Clarence Theders, tenor; Oxford girls; Rita McFawn and Mary Bieber, harmony duo; West Brothers; Gail Bandell; Melodians; Bert Davis; artists.
WRC, Washington, D. C. (468.5m-640kc), 9 p. m., musicale; 10:30, Meyer Davis' Swanee syncopators; 11:30-12, Otto F. Beck, organist.
WSAI, Cincinnati, Ohio (325.9m-920kc), 7 p. m., chimes, Robert Badgley; 7:15, musicale; 9:55, Bicycle playing card sextet; Freda Sanker's orchestra.
WSWS, Chicago, Ill. (275.8m-1090kc), 8 p. m., Terrace Garden orchestra; 10, Zola Haynes, pianist; popular artists.
WTAM, Cleveland, Ohio (389.4m-770kc), 6-7 p. m., dinner hour, Guy Lombardo and his Royal Canadians; 8-9, Hollenden hour, Carl Rupp and his orchestra; 9-12, novelty program, Ev Jones and his gang.
WTIC, Hartford, Conn. (475.9m-630kc), 6:50 p. m., Bond trio; 9:30, Ideal male quartet; 10:05, Evelyn Petzner Nagle, soprano; 10:30, Carroll's Palais Royal dance orchestra.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., dinner concert; 8:30-10:30, Sigma Alpha Iota; 12-2, orchestra.
KFH, Wichita, Kan. (267.7m-1120kc), 7-8 p. m., J. O. Adams Music company; 11-12, Hotel Lassen dance music.
KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., Rockport high school glee club.
KLDS, Independence, Mo. (440.9m-680kc), 8 p. m., St. Andrews society; James Price; Peter Bernard, bagpipe soloist; Margaret Armstrong, soprano; Mrs. John Frazer, accompanist.
KMA, Shenandoah, Iowa (252m-1190kc), 9-11 p. m., pipe organ recital, William Howie.
KMOX, St. Louis, Mo. (280.2m-1070kc), 6 p. m., organ recital, Arthur L. Utt, Mrs. Jacque Landree; 7, Little Red Schoolhouse; 8, orchestra; 8:30, H. Muskens, Dutch tenor; 9, Colonel 6121; 10, orchestra.
KOIL, Council Bluffs, Iowa (277.6m-1080kc), 6 p. m., Mona Motor Oil entertainers; 7:40, May time festival, Orin W. Miller, clarinetist; Maxine Harriet Miller, pianist; Louise Armstrong, pianist; "The Bohemian Girl," glee clubs; Abraham Lincoln high school; 11, Hoisy Toisy hour; 12, Pow-wow.
KPRC, Houston, Tex. (296.9m-1010kc), 7:30 p. m., Frank Tilton, blind wonder boy pianist; 10:30, Harold Oxley's Warwick hotel orchestra.
KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., Grand Central theater.
KSO, Clarinda, Iowa (241.8m-1240kc), 7 p. m., Music.
KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9 to 10:30 p. m., Uncle Billy and his fiddle band; 10:30-11:15, New Arlington hotel orchestra.
KYW, Chicago, Ill. (535.4m-560kc), 5-5:30 p. m., dinner music, KDKA; 6:30-8, home-lovers' hour; 8-9, an hour of music; 9-10, Congress classic; 10:05-11, Congress carnival.
WBAP, Fort Worth, Tex. (475.9m-630kc), 9:30-11 p. m., Wendell Hall, The Red-Headed Music Maker.
WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6:15 p. m., Wesley Barlow's Nicollet hotel orchestra; 8:15, musicale; 10:05, Wallie Erickson's Coliseum orchestra.
WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., organ music; Trianon ensemble; 11:45-1 a. m., Nighthawk frolic.
WFAA, Dallas, Tex. (475.9m-630kc), 6:30-7:30 p. m., Jimmie Joy's orchestra; 8:30-9:30, Mrs. Albert Smith, soprano; Mrs. H. Parks, contralto; 11-12, Jack Gardner's orchestra.
WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., mixed vocal and instrumental concert, Arthur Findling, baritone.
WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Alumnae association, Mississippi State College for Women.
WOAW, Omaha, Nebr. (526m-570kc), 6:50 p. m., orchestra; 9, program; 10, Frank Hodek and his Nightingale orchestra.
WOC, Davenport, Iowa (483.6m-620kc), 9-10 p. m., Mrs. Harper-Coons, soprano; E. W. Schoenig, baritone; May Marshall, soprano.
WRR, Dallas, Tex. (245.8m-1220kc), 6-7 p. m., dinner hour concert, Jack Gardner's orchestra; 8-9, varied musical program; 12-1 a. m., organ recital, George Perfect.
WSB, Atlanta, Ga. (428.3m-700kc), 8:45-9:45 p. m., Atlanta Atwater Kent hour; 10:45, Ernest Rogers Red Head club.
WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., Beasley Smith's orchestra; 8, barn dance.
WSMB, New Orleans, La. (319m-940kc), 9:30-11:30 p. m., Mary Maloney and artists, concert program.

Mountain Standard Time Stations

KFWA, Ogden, Utah (260.7m-1150kc), 9-10 p. m., Olie Reeves and his orchestra; 10-11 Paramount theater; 11-12 midnight, Olie Reeves and his orchestra.
KFXF, Colorado Springs, Colo. (250m-1200kc), 9 p. m., dance orchestra.
KOA, Denver, Colo. (322.4m-930kc), 9 p. m., Harmony Peerless orchestra; 10:30, Scheuerman's Colorado orchestra.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Louise Klos string trio; 8-9, Robert Hurd, tenor; Virginia Flohri, soprano; 9-10, Ysabel Bowen, soprano; Hugh Wellington, baritone; 10-11, Packard Radio club in popular song hits; 11-2 a. m., KFI midnight frolic.
KFON, Long Beach, Calif. (232.4m-1280kc), 7-7:30 p. m., studio program; 7:30-9, Municipal band; 9-10, KFON frolic; 10-11, program, Idyllwild Golf club; 11-12, State theater organ.
KFWB, Hollywood, Calif. (252m-1190kc), 6:30-7:30 p. m., Pontiac 6 dinner hour; 8-9, Warner Brothers syncopators; 9-11, Warner Brothers movie frolic.
KGO, Oakland, Calif. (361.2m-830kc), 8:10 p. m., two violins and piano program; vocal, flute selections; Hawaiian songs; Strollers quartet; 9:45, "A Step On the Stairs," mystery serial; 10, Madson's Midshipmen, dance orchestra.
KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., concert; 10-12, Herman Kenin's dance orchestra.
KHJ, Los Angeles, Calif. (405.2m-740kc), 7:15-7:45 p. m., Boy Scouts band; 8-10, Karl Brandenburg, tenor.
KJR, Seattle, Wash. (384.4m-780kc), 8:30-10 p. m., Pacific Northwest artists.
KMTR, Hollywood, Calif. (238m-1260kc), 6-7 p. m., Starr Piano company studio; 7-8, DeLano ensemble; 8-10, KMTR concert orchestra; Neil Russell, baritone; 10-11, motion picture jollification, Hal Roach comedy stars.
KNX, Hollywood, Calif. (336.9m-890kc), 6:30-7 p. m., Atwater Kent orchestra; 7:15, church announcements; 7:30-8, studio program; 8-9, program, John A. Vaughn corporation; 9-10, feature program; 10-11 Ambassador hotel dance orchestra; 11-2 a. m., Hollywood Nite.
KPO, San Francisco, Calif. (428.3m-700kc), 8-12 midnight, Fairmont hotel dance orchestra.
KPSN, Pasadena, Calif. (315.6m-950kc), 8-9 p. m., Star-News concert hour; 9-10, dance orchestra.

Los Angeles being port of entry from Hawaiia, Among the most popular of KHJ, are the Burk To the left is the Tuesday evening feature of W called the Melody Lady of this station. To the Malone, soprano, who

Sunday, May 2

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
3:30 p. m.	2:30	1:30	12:30	11:30

WTIC (475.9m-630kc), National music week concert.

7	6	5	4	3

WBAP (475.9m-630kc), Sacred concert.

9	8	7	6	5

WBZ (333.1m-900kc), Florette ensemble.

9:15	8:15	7:15	6:15	5:15

WEAF (491.5m-610kc), WEEI, WCAP, WFI, WJAR, WGR, WCAE, WSAI, WWJ, WOC, WCCO, WGN, WEAR, KSD, WTAG, Atwater Kent program.

10	9	8	7	6

WJZ (454.3m-660kc), WGY (379.5m-790kc), Godfrey Ludlow, violinist.

11:30	10:30	9:30	8:30	7:30

KPRC (296.9m-1010kc), Silverstring players.

12 m.	11	10	9	8

KHJ (405.2m-740kc), Mothers' Day program.

12:10 a. m.	11:10	10:10	9:10	8:10

KTHS (374.8m-800kc), Radio special train.

Sunday, silent night for: CFAC, CHIC, CKAC, CKNC, CNRA, CNRC, CNRE, CNRM, CNRO, CNRR, CNRT, CNRV, CNRW, KFAB, KFAU, KFKX, KFOA, KFWA, KFXF, KLX, KMA, KMTR, KOAC, KOB, KOWW, KSAC, KSO, KUOA, KWSC, WABQ, WAHG, WAIU, WCAU, WDAF, WEAO, WEBJ, WEBW, WFI, WGBF, WGHB, WGHP, WHA, WHAS, WHAZ, WIP, WJAD, WJAZ, WJJD, WJR, WKAF, WKAR, WMAQ, WMAZ, WMC, WNYC, WOI, WOOD, WRC, WRVA, WSB, WSM, WTAM, WTIC.

Atlantic or Eastern Daylight Saving Time Stations

WBBR, New York, N. Y. (272.6m-1100kc), 10 a. m., Watchtower trio, choral singers; 2, orchestra; 3:15, Bible instruction; 3:30, Watchtower orchestra; 9, string quartet.
WCAE, Pittsburgh, Pa. (461.3m-650kc), 10:45 a. m., Rodef Shalom temple; 4 p. m., WEAF; 6:30, dinner concert; 7:20, WEAF; 9:15, WEAF.
WCAU, Philadelphia, Pa. (277.6m-1080kc), 5 p. m., recital; 5:15, Undenominational church services; 5:25, sermon, Rev. John W. Stockwell; 5:35, recital; 5:45, talk; 6:45, Clarence Seaman and his orchestra; 7:45, Cathay Tea Garden orchestra; 8:30, Barry O'Moore and the Bonwit Teller ensemble; 9, the Lester-North hour of music; 10, The Ten Californians.
WEAF, New York, N. Y. (491.5m-610kc), 2-4 p. m., Sunday Radio service; 5:30-6, "Eve of St. Agnes," Radio theater; 6-7:20, musicale; 7:20-9:15, Capitol theater; 9:15-10:15, Atwater Kent Radio hour.
WEEI, Boston, Mass. (348.6m-860kc), 2 p. m., Sager's hour of hospitality; 4, WEAF; 6, Jordan Marsh company's Sparkling diamonds; 7:20, WEAF; 9:15, WEAF.
WFI, Philadelphia, Pa. (394.5m-760kc), 4:30 p. m., studio chapel services; 7:30, services, Arch Street Presbyterian church.
WGR, Buffalo, N. Y. (319m-940kc), 10:45 a. m., Westminister Presbyterian church; 6 p. m., WEAF; 7:45, Central Presbyterian church; 9:15, WEAF.
WHAR, Atlantic City, N. J. (275.1m-1090kc), 10:45 a. m., Baptist church; 2:15 p. m., Seaside hotel trio; 7:50, Chelsea Baptist church; 9, "An Hour with the Classics," Seaside hotel ensemble.

...BE MAY DAY GIFTS OF STATIONS

...re than its share of Mid-Pacific musicians. ...thers. They are shown above broadcasting. ...ary Louise Wosezcek, pianist. She is often ... a popular Nashville artist, Mary Cornelia ...equently at WSM.

WJAZ, Chicago, Ill. (329.5m-910kc), 7-9 p. m., Girvin Symphony orchestra; Treble Clef trio of Aurora.

WJJD, Mooseheart, Ill. (370.2m-810kc), 7:45 a. m., Roman Catholic services; 9:40, Protestant services; 2:30, Sunday concert; 3:30, Bible class; 4, Palmer House Sunday symphony orchestra; 4, Sunday orchestra.

WLIB, Chicago, Ill. (302.8m-990kc), 5-6:15 p. m., concert, Oriental jazz ensemble.

WLS, Chicago, Ill. (344.6m-870kc), 6-7:55 p. m., WLS Little Brown church.

WLW, Cincinnati, Ohio (422.3m-710kc), 10:45 a. m., Seventh Presbyterian church; Dan Beddoe, soloist; Adolph Stadermann, organist; 4 p. m., sacred instrumental concert; 5, organ recital, Leo Thuis; 7:30, First Presbyterian church; 8:30, concert orchestra.

WMBB, Chicago, Ill. (249.9m-1220kc), 3-5 p. m., Trianon orchestra; Woodlawn theater orchestra; Bob Smith, Bob Duffy, popular concert; 7:40-9, Fifth Church of Christ, Scientist; 9-11, Trianon orchestra; Woodlawn theater orchestra; Scotty Welch and Madison Sisters, harmony duo; Bob Bennett, pianist.

WOK, Chicago, Ill. (217.3m-1380kc), 6 p. m.,-1 a. m., Tearney's Town club orchestra; Midway Garden orchestra; Pershing Palace orchestra; Capitol theater musical program; ensemble; studio program.

WORD, Batavia, Ill. (275m-1090kc), 10 a. m., I. B. S. A. service; 2 p. m., Bible lecture; 2:30, Chicago Rapid Transit company; 6, evening service; 9:30, I. B. S. A. lecture; 10:45, Bible lecture.

WQJ, Chicago, Ill. (447.5m-670kc), 10-12 noon, services, Peoples' church; choir; Clarence Eddy, organist; 3-4 p. m., Edith Phillips Heller and artists; Jerry Fullum, soprano; William Matter, tenor; E. Whiting, baritone; Edith Heller, pianist; 8-10, Ralph Williams and his Rainbo Garden orchestra.

WSAI, Cincinnati, Ohio (325.9m-920kc), 11 a. m., Avondale Methodist Episcopal church; 7:45 p. m., chimes; 8, Radio sermonette; 8:15, WEAF.

WSWS, Chicago, Ill. (275.8m-1090kc), 11 a. m., Moody church; 3-5 p. m., popular service; 7-8:30, evening song service.

WTAM, Cleveland, Ohio (389.4m-770kc), 11 a. m., Trinity cathedral.

WTIC, Hartford, Conn. (475.9m-630kc), 2:30 p. m., national music week.

WWJ, Detroit, Mich. (352.7m-850kc), 10 a. m., First Presbyterian church; 2 p. m., Detroit News orchestra; 6:20, WEAF; 8:15, WEAF.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 4-5 p. m., vesper service; 9-11, Dewitt high school orchestra.

KFH, Wichita, Kan. (267.7m-1120kc), 9:45 a. m., Bible class; 7:15, First Methodist church; 10-11, Coleman string quartet.

KFNF, Shenandoah, Iowa (263m-1140kc), 10:45 a. m., First M. E. church; 2:30 p. m., Golden Rule song service; 3, services; 6:30, Golden Rule circle; 7:30, Christian church services.

KFUO, St. Louis, Mo. (545.1m-550kc), 4 p. m., Shut-in hour; sermon "Blessed are they which do hunger and thirst after righteousness, for they shall be filled," Rev. E. Duever; musical program; 9:15, "The First Commandment with Promise," Rev. H. Claus; musical program.

KLDS, Independence, Mo. (440.9m-680kc), 3 p. m., sacred program, First Christian church; 6:30, Lilly Belle Allen, soprano; Mrs. Arthur Daniels, contralto; Elbert Dempsey, tenor; Dr. Frank Criley, bass; Wesley Brocaw, saxophonist; 9:15, Stone church choir.

KMA, Shenandoah, Iowa (252m-1190kc), 8:30-9:30 a. m., services; 12:15-1:30 p. m., sacred song service; 4-5, choir music; 5-6, Religious discussion.

KMOX, St. Louis, Mo. (280.2m-1070kc), 9 p. m., Sunday night club.

KOIL, Council Bluffs, Iowa (277.6m-1080kc), 11 a. m., First Congregational church; 4 p. m., Methodist church orchestra; 7:35, First Congregational church choir; 11, Original Collegians.

KPRC, Houston, Tex. (296.9m-1010kc), 10:55 a. m., South End Christian church; 7:50, First Church of Christ, Scientist; 9:30, Silverstring players; 11, Paul A. Hill, organist.

KSD, St. Louis, Mo. (545.1m-550kc), 5:15 p. m., WEAF; 7:15, WEAF.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 11 a. m., First Baptist church; 9:05 p. m., sacred concert, choir, Arkansas State Teachers college; 9:30-10, New Arlington Hotel-Meyer Davis orchestra; 10-10:10, Phantom voice; 10:10-11:30, Arkansas Traveler Limited Radio special.

KYW, Chicago, Ill. (535.4m-560kc), 11 a. m., Central church service; 4:30, studio concert; 7, Chicago Sunday evening club; "Some Old Letters," Clifford W. Barnes; 8, "The Religion of the New Democracy," Dr. Charles W. Stelzle.

WBAP, Fort Worth, Tex. (475.9m-630kc), 5-6 p. m., sacred concert, School of Music, Southwestern Baptist seminary; 9:30-11, Texas hotel orchestra.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 10:50 a. m., Hennepin's Avenue M. E. church; 3 p. m., Lutheran Bible institute; 4:10, House of Hope Presbyterian church; 5:50, Second Church of Christ, Scientist; 7:15, WEAF; 9:30, Hugo Philler Goodwin, organist.

WDAF, Kansas City, Mo. (365.6m-820kc), 3-4 p. m., program, Lees Summit, Dolly Breitenbaugh, director; 4-4:15, vespers.

WEMC, Berrien Springs, Mich. (285.5m-1050kc), 11 a. m., Martha Hutchison, organist; choir; Rena Ely, flutist; 12 noon, Georgia Nethercutt, soprano; 8:15, Vivian Copeland, pianist; choir; Dulciano string trio; 9:15, Ruth Lee, soprano.

WFAA, Dallas, Tex. (475.9m-630kc), 6-7 p. m., Bible class, First Presbyterian church, gospel songs; 7:15-7:45, Cyrus Barcus, cornetist; 8-9, First Baptist church; 11-12, Ligon Smith and his orchestra.

WHAS, Louisville, Ky. (399.8m-750kc), 10 a. m., Fourth Avenue Presbyterian church; 4:30-5:30 p. m., choral evensong service, Christ Church Cathedral; Ernest Simon.

WHB, Kansas City, Mo. (365.6m-820kc), 9:40 a. m., Linwood Boulevard Christian church; 11:10-12:30, Christian church; 8, service; 11:15, Morrill Moore, organist; Don Anchors, poet.

WHO, Des Moines, Iowa (526m-570kc), 11 a. m., University church; 5-6 p. m., Bankers' Life trio; Myrtle Williams, soprano; Stewart Watson, baritone; 7:30-8:30, Fourteenth Cavalry band; 11-12, Bankers' Life Little symphonic orchestra.

WOAI, San Antonio, Tex. (394.5m-760kc), 11 a. m., First Presbyterian church; 7:30 p. m., Central Christian church; 9:30, Super-Heterodyne hour of music.

WOAW, Omaha, Nebr. (526m-570kc), 9 a. m., Omaha Gospel tabernacle; 1:30 p. m., classical program; 9, services.

WOC, Davenport, Iowa (483.6m-620kc), 1-2:30 p. m., old folks' musicale, Palmer Little symphony; Paul J. Vipperman, tenor; 6:30-7, St. Matthews Lutheran church; 7:15-8:15, WEAF; 10-11:30, Palmer Little symphony.

WOI, Ames, Iowa (270m-1110kc), 11 a. m., chapel services.

WRR, Dallas, Tex. (245.8m-1220kc), 10:30 a. m., First Baptist church; 7:30, Church of Christ; 9:30-10:30, varied program; W. B. Muse, singer; Billy Hallback's Footwarmers orchestra.

WSB, Atlanta, Ga. (428.3m-700kc), 5 p. m., Decatur Young People's league; 7:30, Wesley Memorial Methodist church service.

WSM, Nashville, Tenn. (282.8m-1060kc), 10:30 a. m., First Presbyterian church.

WSUI, Iowa City, Iowa (483.6m-620kc), 7:30 p. m., Celeste Fuhrmann, soprano; Zita Fuhrmann, pianist.

Mountain Standard Time Stations

KFXF, Colorado Springs, Colo. (250m-1200kc), 11 a. m., First Presbyterian church; 7:30, First Methodist church.

KOA, Denver, Colo. (322.4m-930kc), 10:50 a. m., First Church of Christ, Scientist; 5 p. m., Corinne M. Bourk, pianist; Henry Trustman Ginsburg, violinist; Ethel Wilkins, violinist; Wayne C. Hedges, violist; Lee N. Parker, violoncellist; 7:50, First Church of Christ, Scientist.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-7:30 p. m., Grebe synchrophase string ensemble; 7:30-8, Jim, Jack and Jean trio; Gogo Belanger, blues singer; 8-9, Aeolian organ, Dan L. McFarland, organist; 9-10, Movieland syncopators; 10-11, Packard Six dance orchestra.

KFON, Long Beach, Calif. (232.4m-1280kc), 6:30-7:30 p. m., program, Prest and Dean; 7:45-9, service, First Church of Christ, Scientist; 9-10, Burt Pedersen's orchestra.

KFWB, Hollywood, Calif. (252m-1190kc), 9-11 p. m., Warner Brothers Sunday night movie frolic.

KGO, Oakland, Calif. (361.2m-830kc), 11 a. m., First Baptist church; 3:30 p. m., vesper services, Grace Cathedral; 7:45, First Baptist church service; George Lipschultz, violinist; Esta Pomeroy, organist.

KGW, Portland, Ore. (491.5m-610kc), 10:45-12 noon, Church of Our Father, Unitarian; 7:30-9 p. m., First Presbyterian church; 9-10, Chevrolet symphony orchestra.

KHJ, Los Angeles, Calif. (405.2m-740kc), 7-8 p. m., First Methodist Episcopal church; 8-10, Artland Club Mothers' day program.

KNX, Hollywood, Calif. (336.9m-890kc), 6:30-7 p. m., Unitarian church service; 8-9, First Presbyterian church of Hollywood; 9-10:30, program, Beverly Hills Nurseries, Russian string trio.

KPO, San Francisco, Calif. (428.3m-700kc), 9:45 a. m., Swedish Baptist church; 2:30 p. m., sacred concert, music week; 5-6, Marshall W. Giselman; 6-6:30, States Restaurant orchestra; 6:35-8:35, Palace hotel concert orchestra; 8:35-10, Rudy Seiger's Fairmont hotel orchestra.

KPSN, Pasadena, Calif. (315.6m-950kc), 8:45-9:45 p. m., Maryland Artists' ensemble.

KTAB, Oakland, Calif. (239.9m-1250kc), 9:45 a. m., Bible lecture, Prof. E. G. Linsley; 11, service; 7:45, service; 9:30, after-service concert.

WIP, Philadelphia, Pa. (508.2m-590kc), 10:45 a. m., services, Holy Trinity church.

WJAR, Providence, R. I. (305.9m-950kc), 7:20 p. m., Capitol family; 9:15, Atwater Kent Radio hour.

WJZ, New York, N. Y. (454.3m-660kc), 11 a. m., West End Presbyterian church; 2:30, Sunday Radio forum; 3:55, St. George's Vesper service; 7, Hotel Pennsylvania concert orchestra; 8, Bakelite hour; 9, Hotel Commodore concert orchestra, WGY; 10, Godfrey Ludlow, violinist, WGY.

WLIT, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Benjamin Franklin hotel organ recital; 7, Benjamin Franklin hotel concert orchestra.

WMAK, Buffalo, N. Y. (265.3m-1130kc), 10:45 a. m., First Presbyterian church; 7:30, Churchill Tabernacle.

WOO, Philadelphia, Pa. (508.2m-590kc), 2 p. m., musical exercises, Bethany Sunday school; 6, organ recital; 7:30, services, Bethany Presbyterian church.

WPG, Atlantic City, N. J. (299.8m-1000kc), 3:15 p. m., Arthur Scott Brook, organist; 4:15, St. James Episcopal church musicale; 9:15, Hotel Ambassador concert orchestra; 10, Arthur Scott Brook, organist; WPG ladies trio.

WTAG, Worcester, Mass. (267.7m-1120kc), 4-5:30 p. m., program; 7:20-9:15, WEAF.

Eastern Standard or Central Daylight Saving Time Stations

CFCA, Toronto, Can. (356.9m-840kc), 9:45 p. m., Huntsville band.

KDKA, Pittsburgh, Pa. (309.1m-970kc), 11 a. m., East End Christian church; 4 p. m., Dr. Charles Heinroth, organist; 4:45, Shadyside Presbyterian church; 6:30, KDKA Little symphony orchestra; 7:20, chimes; 7:30, Calvary Episcopal church.

WADC, Akron, Ohio (258.5m-1160kc), 6:30 p. m., dinner concert, Carnes Richards' Hotel Portage quintet.

WBAL, Baltimore, Md. (245.8m-1220kc), 7:30-8:30 p. m., WBAL concert orchestra.

WBBM, Chicago, Ill. (225.4m-1330kc), 12:30-2 p. m., Metropolitan mixed quartet; Goldie Gordon, violinist; Bessie Sax, pianist; Cecile Winnic, bass-baritone; Paul Crunwell, baritone; Vinzie Lindhe, pianist; 4-6, Jack Crawford's Alemite orchestra; Maurice Silverman, tenor; Pauline Atlass, violinist; Lois Hammett, pianist; F. J. Porter, baritone; 11:59-3 a. m., Nutty club.

WBZ, Springfield, Mass. (333.1m-900kc), 9:45 a. m., Church of the Unity; 6 p. m., Copley Plaza orchestra; 7, Unity quartet; 8, Florette ensemble.

WCAP, Washington, D. C. (468.5m-640kc), 11 a. m., Foundry Methodist Church of Washington; 4 p. m., Washington cathedral; 6:20-9:15, WEAF.

WCBD, Zion, Ill. (344.6m-870kc), 8 p. m., mixed quartet, brass quartet; Messrs. Stewart and Dunn, cornet and euphonium soloists; P. B. and Carl Newcomer, cornet and saxophonists; Mr. and Mrs. G. R. Sparrow, vocal duettists; Ida Peterson, soprano; Richard Hire, violinist; Hazel Dunn, pianist.

WEBH, Chicago, Ill. (370.2m-810kc), 10:40 a. m., Seventh Church of Christ, Scientist; 7-9, artists' program.

WGN, Chicago, Ill. (302.8m-990kc), 6:45-7 p. m., musical program; 7-7:20, The Million Sing; 7:20-7:30, Old Fashioned Almanack; 7:30-7:45, Correll and Gosden; 7:45-8:15, Drake concert ensemble, Blackstone string quintet; 8:15-9:15, WEAF; 9:15-10, "Our Music Room"; 10-10:10, Sam 'n' Henry; 10:10-11, musical program.

WGY, Schenectady, N. Y. (379.5m-790kc), 9:45 a. m., First Church of Christ, Scientist; 3 p. m., program, Syracuse; 3:30, Elmer Tidmarsh, organist; 7, New York State Rotary convention; 9, Godfrey Ludlow, violinist, WJZ.

WHT, Chicago, Ill. (399.8m-750kc), 12n-10:30 p. m., Paul Rader.

WIBO, Chicago, Ill. (225.4m-1330kc), 2-4 p. m., Sunday afternoon concert; 6-8, program, Walter Preston, director; 10-12 midnight, popular program.

"a Step On the Stairs"

Broadcast as a Play

EPISODE TEN—THE SETTING

THE scene continues in the high-beamed hunt-room. Mary Williams admits she intentionally locked Mitchell in the cupboard in fear and for safe keeping. She is accused of preventing an officer from performing his duties and several suggestions are made that she might be in cahoots with crooks. Mary Williams asks Hazel Stanton where she fits in the picture. In reply Hazel Stanton discloses the fact that she is of the federal department of justice and orders Mary Williams' arrest for the murder of Jeremiah Turner. The "corpse" of Peleg comes to. He explains that he had gathered the guests together in an effort to have the killer confess. He had tapped the land wire of the station and expected to get the message through during a switch of controls. In the woods he met Teufel who, he imagines, was coming to the manse to warn his fellow crooks that the department was on the trail. He was chased by Teufel who pursued him through the station and shot the engineer. The letter was from John Carton but of no importance. Thinking something up at the house he returned there but had to go suddenly and left him shoes. Peleg clears Mary Williams of the crime by saying he killed the man himself. The tenth episode opens.

THE CAST

Mr. Everett.....Chief of Portsmouth Narcotic Squad
Mary Williams.....A youthful guest
Aunt Helen Holmes.....Relative of Peleg Turner
Hazel Stanton.....A young lady
Maurice Tolliver.....A youth and relative
Peleg Turner.....A dead man resurrected
Frederick Ardwyn.....Peleg Turners' lawyer
Cousin William Caryl.....Relative of Peleg Turner
John Carton.....Nephew of Peleg Turner
Hari Singh.....Hindu servant of Peleg Turner

WHERE AND WHEN TO DIAL

KGO, Oakland, Calif. (361.2m-830kc). Tenth episode at 9:45 p. m. Pacific time, Saturday, May 8.

KOA, Denver, Colo. (322.4m-930kc). Tenth episode at 9:40 p. m. Mountain time, Monday, May 3.

WBAP, Fort Worth, Tex. (475.9m-630kc). Tenth episode at 11 p. m. Central time, Thursday May 13.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc). Tenth episode at 10:05 p. m. Central time, Thursday, May 6.

WGY, Schenectady, N. Y. (379.5m-790kc). Tenth episode at 7:15 p. m. Eastern time, Friday, May 7.

WHO, Des Moines, Iowa (526m-570kc). Tenth episode at 2:30 p. m. Central time, Monday, May 10.

WLW, Cincinnati, Ohio (422.3m-710kc). Tenth episode at 8:30 p. m. Central time, Saturday.

WMAQ, Chicago, Ill. (477.5m-670kc). Tenth episode at 8:55 p. m. Central time, Wednesday, May 12.

WNAC, Boston, Mass. (280.2m-1070kc). Tenth episode at 8:30 p. m. Eastern time, Wednesday, May 5.

WEAN, Providence, R. I. (270.1m-1110kc). Play broadcast by direct wire from WNAC, Boston, on same schedule as WNAC therefore.

WOAW, Omaha, Nebr. (526m-570kc). Tenth episode at 8 p. m. Central time, Saturday, May 8.

WOC, Davenport, Iowa (483.6m-620kc). Tenth episode at 10:30 p. m. Central time, Friday, May 7.

WOR, Newark, N. J. (405.2m-740kc). Tenth episode at 10:30 p. m. Eastern time, Saturday.

WRC, Washington, D. C. (468.5m-640kc). Tenth episode at 8:15 p. m. Eastern time, Friday, May 7.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc). Schedule to be announced over air.

Monday, May 3

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
8:30 p. m.	7:30	6:30	5:30	4:30

WPG (299.8m-1000kc), Festival choir.

9	8	7	6	5

WBZ (333.1m-900kc), Little screen players.
WGY (379.5m-790kc), Severino Mandolin quintet.

9:30	8:30	7:30	6:30	5:30

WBAP (475.9m-630kc), Boys' Week program.
WGR (319m-940kc), Ruppel Sisters.
WHAZ (379.5m-790kc), Concert.

10	9	8	7	6

KPRC (296.9m-1010kc), D. O. K. K. band.
WDAF (365.6m-820kc), Ivanhoe band, glee club.
WLW (422.3m-710kc), May Day program.
WEAF (491.5m-610kc), and chain, grand opera, "Faust."
WOOD (241.8m-1240kc), "What Price Trout," play.
WOI (270.1m-1110kc), Veishea entertainment.

11	10	9	8	7

WCCO (416.4m-720kc), Royal-Star ensemble.
WTIC (475.9m-630kc), Symphonic ensemble.

11:05	10:05	9:05	8:05	7:05

KTHS (374.8m-800kc), Solo hour.

2 a. m.	1	12	11	10

KGW (491.5m-610kc), Spanish ballroom.

Monday, silent night for: CKAC, CNRA, CNRC, CNRE, CNRM, CNRO, CNRR, CNRT, CNRV, CNRW, KFAU, KFMX, KFWA, KHJ, KPSN, KSAC, KYW, WBBM, WCBD, WEAO, WEBH, WEBJ, WEBW, WENR, WGBF, WGBS, WGES, WGN, WHAS, WHT, WIBO, WIP, WJAZ, WJJD, WLIB, WLS, WMAQ, WMBB, WOAI, WOC, WOK, WORD, WQJ, WRC.

Atlantic or Eastern Daylight Saving Time Stations

CFCA, Toronto, Can. (356.9m-840kc), 6:45-7:45 p. m., Conger Coal orchestra.

CHIC, Toronto, Can. (356.9m-840kc), 8 p. m., First Church of Christ, Scientist.

WBBR, New York, N. Y. (272.6m-1100kc), 8 p. m., jubilee entertainers; 8:20, program; 8:50, entertainers.

WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert; 8, musicale; 9, concert; 10, grand opera; 11:05, dance.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30 p. m., recital, N. Snellenburg and company; 8, Carolyn

GA

GARLANDS of welcome in this year ins nosegays formerly doorsteps. These g ing whiffs of forest May Day gift of t No Radio fan will of this Pied Piper,

The Swanee Sync attraction on the S grams of Station named the second orchestra in the Stuart Rogers, New They were topped Lopez' Orchestra o Syncopators play r direction of Al Kam

National Music served by WTIC ranged by music lov The New Haven tra, Horatio Park sity Glee club, Ma soprano, and Harr ganist, will be fea Sunday afternoon May 5 at 7:15 p. m. time a grand oper presented from Dor 6, at the same time will be given unde Leroy Baumgartne Jepson, organist, a high school orche tures of the Friday

Saturday,

Headliners

Atlantic	Eastern	Central	
8:10 p. m.	7:10	6:10	
WEEI	(348.6m-860kc)		Boston
9:30	8:30	7:30	
WGN	(302.8m-990kc)		Light
9:40	8:40	7:40	
KOIL	(277.6m-1080kc),		"Ma
10	9	8	
WLW	(422.3m-710kc),		Happ
10:30	9:30	8:30	
WIP	(508.2m-590kc),		Little
WMC	(499.7m-600kc),		Alum

sippi state college.

11	10	9	
KTHS	(374.8m-800kc),		Uncl

band.

11:15	10:15	9:15	
KHJ	(405.2m-740kc),		Boy S
11:30	10:30	9:30	
WBAP	(475.9m-630kc),		Wen

music maker.

2 a. m.	1	12	
KMTR	(238m-1260kc),		Hal

Saturday, silent night for: C
CNRM, CNRR, CNRT, CNRV, CNRW
KFRU, KFUO, KFXF, KMA, KOAC,
KSO, KATB, KWSC, WABQ, WAIU, WE
WCX, WDOD, WEAO, WEBJ, WEBW, WE
WGCP, WGHP, WGST, WHA, WHAD, W
WHO, WIP, WJAD, WJAR, WKAR, WL
WMAZ, WNAD, WOS, WRVA, WTAG, W

Atlantic or Eastern Daylight Time Stations

WBBR, New York, N. Y. (272.6m-1100kc), Hans Haag, violinist; 8:40, Fred Twaros
WCAE, Pittsburgh, Pa. (461.3m-650kc), William Penn hotel; 8:30, studio prograi
WEAF, New York, N. Y. (491.5m-610kc) night, Vincent Lopez and his orchestra program; Ross Gorman and his orchestr
WEEI, Boston, Mass. (348.6m-860kc), 8:10 ton symphony orchestra; 10, Lucerne-in-M
WFI, Philadelphia, Pa. (394.5m-760kc), Bellevue Stratford concert orchestra; 7, Bo ford dance orchestra; 8, WEAF.
WHAR, Atlantic City, N. J. (275m-1090k Sea-side hotel trio.
WIP, Philadelphia, Pa. (508.2m-590kc), Benjamin Franklin concert orchestra; 8:1 of Pennsylvania instrumental trio; 9, M Chaplain Dickens and the Boys of the 10:05, Benjamin Franklin El Patio dan 10:30, Little Jack Little; 11:05, organ mantown theater.
WJZ, New York, N. Y. (454.3m-660kc), 7 Commodore concert orchestra; 8:30, Ho concert orchestra; 10:30, Hotel Vanderb
WLIT, Philadelphia, Pa. (394.5m-760kc), Benjamin Franklin concert orchestra.
WOO, Philadelphia, Pa. (508.2m-590kc), Adelphia French Room orchestra.
WPG, Atlantic City, N. J. (299.8m-1000kc) Arthur Scott Brook, organist; 7, Hotel A music; 7:30, Elks home dance orchestr Ambassador dinner music; 9, Manufactu tion; 10, Katz and his kittens; 10:30 dance orchestra; 11:15, Elks home dance

Eastern Standard or Central Saving Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), concert; 8:30, concert.
WBBM, Chicago, Ill. (225.4m-1330kc), 8-10 p. Alemite orchestra; Ziegler Stars; Tip trio; Smith an Ford; 10-11, Alemite orchestra; Vanity Fair orchestra; 11-2 a. m., Matched Unit quartet; Ziegler Stars, Fair and Warmer; Smith and Ford.
WBZ, Springfield, Mass. (333.1m-900kc), 6:45 p. m., Repertory theater concert orchestra; 7:15, Dr. D. M. Staley, reader; 8:30, Mrs. Marie Belanger Levere, soprano; 8:45, James Nesworthy, harmonica sololist.
WEBH, Chicago, Ill. (370.2m-810kc), 8 p. m., songs, Frank Greif; 9:15-10, Edgewater Beach hotel Oriole orchestra; 11-12 midnight, Oriole orchestra; Kay Ronaine; 1 a. m., Oriole orchestra; 1-3, frolic.
WGN, Chicago, Ill. (302.8m-990kc), 6:45-6:55 p. m., musical program; 6:55-7:15, Drake concert ensemble, Blackstone string quintet, request program; 8-8:10, Auld Sandy; 8:10-8:30, musical program; 8:30-9:30, light opera concert; 9:30-10, old-time prize fight; 10-10:10, Sam 'n' Henry; 10:10-10:20, musical program; 10:20-10:40, play shop; 10:40-11, ensemble.
WGY, Schenectady, N. Y. (379.5m-790kc), 5:30 p. m., Onondaga hotel dinner program, WFBL, WHAM; 7:15, musical program, Boston Store; 9:30, dance program, Syracuse hotel.
WHT, Chicago, Ill. (399.8m-750kc), 7 p. m., Al Carney, organist; 8:45-10:30, (238m-1260kc), Cinderella or-
KMA, Shenandoah, Iowa (252m-1190kc), 9-11 p. m., pipe organ recital, William Howie.
KMOX, St. Louis, Mo. (280.2m-1070kc), 6 p. m., organ recital, Arthur L. Utt, Mrs. Jacque Landree; 7, Little Red Schoolhouse; 8, orchestra; 8:30, H. Muskens, Dutch tenor; 9, Colonel 6121; 10, orchestra.
KOIL, Council Bluffs, Iowa (277.6m-1080kc), 6 p. m., Mona Motor Oil entertainers; 7:40, May time festival, Orin W. Miller, clarinetist; Maxine Harriet Miller, pianist; Louise Armstrong, pianist; "The Bohemian Girl," glee clubs; Abraham Lincoln high school; 11, Hotsy Totsy hour; 12, Pow-wow.
KPRC, Houston, Tex. (296.9m-1010kc), 7:30 p. m., Frank Tilton, blind wonder boy pianist; 10:30, Harold Oxley's Warwick hotel orchestra.
KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., Grand Central theater.
KSO, Clarinda, Iowa (241.8m-1240kc), 7 p. m., Music.
KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9-10:30 p. m., Uncle Billy and his fiddle band; 10:30-11:15, New Arlington hotel orchestra.
KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., concert; 10-12, Herman Kenin's dance orchestra.
KHJ, Los Angeles, Calif. (405.2m-740kc), 7:15-7:45 p. m., Boy Scouts band; 8-10, Karl Brandenburg, tenor.
KJR, Seattle, Wash. (384.4m-780kc), 8:30-10 p. m., Pacific Northwest artists.
KMTR, Hollywood, Calif. (238m-1260kc), 6-7 p. m., Starr Piano company studio; 7-8, DeLano ensemble; 8-10, KMTR concert orchestra; Neil Russell, baritone; 10-11, motion picture jollification, Hal Roach comedy stars.
KNX, Hollywood, Calif. (336.9m-890kc), 6:30-7 p. m., Atwater Kent orchestra; 7:15, church announcements; 7:30-8, studio program; 8-9, program, John A. Vaughn corporation; 9-10, feature program; 10-11 Ambassador hotel dance orchestra; 11-2 a. m., Hollywood Nite.
KPO, San Francisco, Calif. (428.3m-700kc), 8-12 midnight, Fairmont hotel dance orchestra.
KPSN, Pasadena, Calif. (315.6m-950kc), 8-9 p. m., Star-News concert hour; 9-10, dance orchestra.
sermon, Rev. John W. Stockwell; 5:35, recital; 5:45, talk; 6:45, Clarence Seaman and his orchestra; 7:45, Cathay Tea Garden orchestra; 8:30, Barry O'Moore and the Bonwit Teller ensemble; 9, the Lester-North hour of music; 10, The Ten Californians.
WEAF, New York, N. Y. (491.5m-610kc), 2-4 p. m., Sunday Radio service; 5:30-6, "Eve of St. Agnes," Radio theater; 6-7:20, musicale; 7:20-9:15, Capitol theater; 9:15-10:15, Atwater Kent Radio hour.
WEEI, Boston, Mass. (348.6m-860kc), 2 p. m., Sager's hour of hospitality; 4, WEAF; 6, Jordan Marsh company's Sparkling diamonds; 7:20, WEAF; 9:15, WEAF.
WFI, Philadelphia, Pa. (394.5m-760kc), 4:30 p. m., studio chapel services; 7:30, services, Arch Street Presbyterian church.
WGR, Buffalo, N. Y. (319m-940kc), 10:45 a. m., Westminister Presbyterian church; 6 p. m., WEAF; 7:45, Central Presbyterian church; 9:15, WEAF.
WHAR, Atlantic City, N. J. (275.1m-1090kc), 10:45 a. m., Baptist church; 2:15 p. m., Seaside hotel trio; 7:50, Chelsea Baptist church; 9, "An Hour with the Classics," Seaside hotel ensemble.

GARLANDS OF AIRY TUNES WILL BE MAY DAY GIFTS OF STATIONS

High Lights of the Air

GARLANDS of airy tunes will welcome in the first of May this year instead of the bright nosegays formerly dropped on the doorsteps. These gay melodies bringing whiffs of forest music will be the May Day gift of the Radio stations. No Radio fan will escape the charm of this Pied Piper, spring.

The Swanee Syncopators, the dance attraction on the Saturday night programs of Station WRC, have been named the second best Radio dance orchestra in the United States by Stuart Rogers, New York Radio critic. They were topped only by Vincent Lopez' Orchestra of New York. The Syncopators play regularly under the direction of Al Kamons.

National Music week will be observed by WTIC with features arranged by music lovers of New Haven. The New Haven Symphony orchestra, Horatio Park choir, the University Glee club, May Bradley Kelsey, soprano, and Harry B. Jepson, organist, will be featured during the Sunday afternoon concert May 2. On May 5 at 7.15 p. m. Eastern Standard time a grand opera concert will be presented from Dorscht hall. On May 6, at the same time, a sacred concert will be given under the direction of Leroy Baumgartner. Prof. Harry B. Jepson, organist, and the New Haven high school orchestra are the features of the Friday program.

Already the spring of the year brings promise of merry sunshine during summer vacations, and "the call of the wild" will be distinctly felt during the concert Tuesday, May 4, between 9 and 10 p. m. Pacific time, given in honor of Yosemite. Anthony Linden, solo flutist of the San Francisco orchestra, Glen Hood, banjoist, and Camp Curry's popular entertainer will be heard. Don Tresidder gives a talk on "The Outdoors."

Oratorios famous throughout the ages will be played by the KDKA Little Symphony orchestra Tuesday evening, May 11. This program will give in an attractive manner the history of this musical form.

Grieg's lovely Peer Gynt suite has been heard from many stations during the short life of Radio, but for the first time the poetic form of Ibsen's play will be broadcast Tuesday, May 11, by WGN, Chicago. The WGN ensemble will play the musical background.

Friday evening, May 7, the newly organized WBAL mixed quartet will broadcast its first concert from 10 to 10:30 p. m. Eastern Standard time. The members of this feature include: Louise Cline, soprano; Maud Albert, contralto; John Wilbourn, tenor; Walter N. Linthicum, basso. This quartet of well-known Baltimore artists is to be a regular Friday event.

Saturday, May 1

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
8:10 p. m.	7:10	6:10	5:10	4:10
WEEI (348.6m-860kc) Boston symphony orchestra.				
9:30	8:30	7:30	6:30	5:30
WGN (302.8m-990kc) Light Opera concert.				
9:40	8:40	7:40	6:40	5:40
KOIL (277.6m-1080kc), "May Time Festival."				
10	9	8	7	6
WLW (422.3m-710kc), Happy Hollow entertainers.				
10:30	9:30	8:30	7:30	6:30
WIP (508.2m-590kc), Little Jack Little.				
WMC (499.7m-600kc), Alumnae association, Mississippi state college.				
11	10	9	8	7
KTHS (374.8m-800kc), Uncle Billy and his Fiddle band.				
11:15	10:15	9:15	8:15	7:15
KHJ (405.2m-740kc), Boy Scouts' band				
11:30	10:30	9:30	8:30	7:30
WBAP (475.9m-630kc), Wendell Hall, Red Headed music maker.				
2 a. m.	1	12	11	10
KMTR (238m-1260kc), Hal Roach comedy stars.				

Saturday, silent night for: CNRA, CNRC, CNRE, CNRM, CNRR, CNRT, CNRV, CNRW, KFKU, KFKX, KFRU, KFUO, KFXF, KMA, KOAC, KOB, KSAC, KSO, KATB, KWSC, WABQ, WAIU, WBAL, WCAL, WCX, WDOD, WEAO, WEBJ, WEBW, WEMC, WQBF, WGCP, WGHP, WGST, WHA, WHAD, WHAZ, WHN, WHO, WIP, WJAD, WJAR, WKAR, WLIT, WLWL, WMAZ, WNAD, WOS, WRVA, WTAG, WTIC, WWJ.

Atlantic or Eastern Daylight Saving Time Stations

WBBR, New York, N. Y. (272.6m-1100kc), 8 p. m., Dr. Hans Hong, violinist; 8.40, Fred Twatoschk, tenor

WCAE, Pittsburgh, Pa. (461.3m-650kc), 6.30 p. m., William Penn hotel; 8.30, studio program; 11, news

WEAF, New York, N. Y. (491.5m-610kc), 1-12 midnight, Vincent Lopez and his orchestra, Boy Scout program; Ross Gorman and his orchestra; orchestra

WEEI, Boston, Mass. (348.6m-860kc), 8-10 p. m., Boston symphony orchestra; 10, Lucerne in Maine quintet

WFI, Philadelphia, Pa. (394.5m-760kc), 6.30 p. m., Bellevue Stratford concert orchestra, 7, Bellevue Stratford dance orchestra; 8, WEAF

WHAR, Atlantic City, N. J. (275m-1090kc), 8 p. m., Seaside hotel trio

WIP, Philadelphia, Pa. (508.2m-590kc), 6.05 p. m., Benjamin Franklin concert orchestra, 8.15, University of Pennsylvania instrumental trio, 9, Mother Moore, Chaplain Dickens and the Boys of the Navy Yard, 10:05, Benjamin Franklin El Patio dance orchestra; 10:30, Little Jack Little; 11.05, organ recital, Germantown theater.

WJZ, New York, N. Y. (454.3m-660kc), 7 p. m., Hotel Commodore concert orchestra, 8.30, Hotel Madison concert orchestra; 10.30, Hotel Vanderbilt orchestra

WLIT, Philadelphia, Pa. (394.5m-760kc), 7.30 p. m., Benjamin Franklin concert orchestra

WOO, Philadelphia, Pa. (508.2m-590kc), 7.30 p. m., Adelphia French Room orchestra

WPG, Atlantic City, N. J. (299.8m-1000kc), 6.15 p. m., Arthur Scott Brook, organist, 7, Hotel Morton dinner music; 7.30, Elks home dance orchestra, 8, Hotel Ambassador dinner music; 9, Manufacturers association; 10, Katz and his kittens; 10.30, Garden Pier dance orchestra; 11.15, Elks home dance orchestra

Eastern Standard or Central Daylight Saving Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 6.30 p. m., concert; 8.30, concert.

WBBM, Chicago, Ill. (225.4m-1330kc), 8-10 p. m., Alemite orchestra, Ziegler Stars, Tip trio, Smith and Ford; 10-11, Alemite orchestra, Vanity Fair orchestra, 11-2 a. m., Matched Unit quartet, Ziegler Stars, Fair and Warmer; Smith and Ford

WBZ, Springfield, Mass. (333.1m-900kc), 6.45 p. m., Repertory theater concert orchestra, 7.15, Dr. D. M. Staley, reader, 8.30, Mrs. Marie Belanger Levere, soprano; 8.45, James Nesworthy, harmonica soloist

WEBH, Chicago, Ill. (370.2m-810kc), 8 p. m., songs, Frank Greif; 9.15-10, Edgewater Beach hotel Oriole orchestra; 11-12 midnight, Oriole orchestra; Kay Romayne; 1 a. m., Oriole orchestra; 1-3, frolic

WGN, Chicago, Ill. (302.8m-990kc), 6.15-6.55 p. m., musical program; 6.55-7.15, Drake concert ensemble, Blackstone string quintet, request program; 8-8.10, Auld Sandy; 8.10-8.30, musical program; 8.30-9.30, light opera concert; 9.30-10, old time prize fight; 10-10.10, Sam 'n' Henry; 10.10-10.20, musical program; 10.20-10.40, play shop; 10-10.11, ensemble

WGY, Schenectady, N. Y. (379.5m-790kc), 5.30 p. m., Onondaga hotel dinner program, WFBL, WHAM; 7.15, musical program, Boston Store; 9.30, dance program, Syracuse hotel

WHT, Chicago, Ill. (399.8m-750kc), 7 p. m., Al Carney, organist; 8.45-10:30, (238m-1260kc), Cinderella orchestra; 10.30, (399.8m-750kc), Kitchen Klenzer entertainers; 10:50, Jack Turner, popular singer; Irene Smith; 12, your hour league

WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., Marie Elita Fay, soprano; WIBO string trio.

WJAZ, Chicago, Ill. (322.4m-930kc), 9-2 a. m., "Spike" Hamilton's orchestra, Johnny Mulaney's Bluejackets.

WJJD, Mooseheart, Ill. (370.2m-810kc), 8-9 p. m., Palmer House Victorians; Isabel Defauit, Edson Farrar; 10-11, Palmer House Victorians; Cook Sisters; 12-1 a. m., setting up hour

WLIB, Chicago, Ill. (302.8m-990kc), 7:20-7.30 p. m., old-fashioned almanack; 7.15-7.20, The Million Sing; 7.30-8, Blackstone string quintet; 11-11.30, songs, Correll and Gosden; 11.20-12.30 a. m., ensemble, Charley Straight's Rendevous cafe orchestra; Drake dance orchestra.

WLS, Chicago, Ill. (344.6m-870kc), 7 p. m., Ford and Glenn; 7.30, Ralph Emerson, organist; 8-12 midnight, barn dance, WLS Twin Wheeze, Maurice Sherman's College Inn orchestra.

WLW, Cincinnati, Ohio (422.3m-710kc), 8 p. m., Johanna Grosse, organist; 8.30, final installment of "A Step On the Stairs," mystery serial, 9, Happy Hollow entertainers, Stone Brothers; 10, dance music.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6.30, Sheetz' Hotel LaSalle orchestra; 8, Daw and Pratt; 8.30, Radio photologue, 9, Chicago theater revue.

WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon ensemble; Hilda Hinrichs, cellist, Margaret Conrad, violinist; Preston Graves, pianist, Franklin Kidd, tenor; 9-11, Trianon orchestra, Woodlawn theater orchestra; ensemble; comedy specialties, Ole Latson, Charles Agne, comedy songsters; Clinton Keithley, Jack Goodwin, popular program.

WOK, Chicago, Ill. (217.3m-1380kc), 1:30-7 p. m., Capitol theater organ; ensemble; studio program; 10-1 a. m., Tearney's Town club orchestra; Midway Garden orchestra; Pershing Palace orchestra, Capitol theater program, 1-2, orchestras.

WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9-10 p. m., Elizabeth Barker Van Campen hour of music, Arthur Cliff, tenor; Lylamae Hardesty, contralto; Ardie Elkins, baritone; Robert Jamison, cellist; Fanny Vandenberge, pianist; Edna Darling, reader; 10-11, Boys week program, 11-12, Roy Clark, Pervis Jeffery, Bill Dallavo and his orchestra.

WORD, Batavia, Ill. (275m-1090kc), 7 p. m., Webster hotel concert and orchestra program; 9, studio program.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Ralph Williams and his Rainbo Garden concert orchestra; 10-3 a. m., Ralph Williams and his Rainbo Skylarks, Rose Vanderbosch, Hal Lansing and his uke, Clarence Theders, tenor, Oxford girls; Rita McFawn and Mary Bieber, harmony duo; West Brothers, Gail Bandell, Melodians, Bert Davis; artists.

WRC, Washington, D. C. (468.5m-640kc), 9 p. m., musicale, 10.30, Meyer Davis' Swanee syncopators, 11.30-12, Otto F. Beck, organist

WSAI, Cincinnati, Ohio (325.9m-920kc), 7 p. m., chimes, Robert Badgley; 7.15, musicale, 9.55, Bicycle playing card sextet, Freda Sanker's orchestra

WSWS, Chicago, Ill. (275.8m-1090kc), 8 p. m., Terrace Garden orchestra, 10, Zola Haynes, pianist, popular artists

WTAM, Cleveland, Ohio (389.4m-770kc), 6-7 p. m., dinner hour, Guy Lombardo and his Royal Canadians; 8-9, Hollenden hour, Carl Rupp and his orchestra; 9-12, novelty program, Ev Jones and his gang.

WTIC, Hartford, Conn. (475.9m-630kc), 6.30 p. m., Bond trio, 9.30, Ideal male quartet, 10.15, Evelyn Pettner Nagle, soprano; 10.30, Carroll's Palais Royal dance orchestra.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 5.30-6.30 p. m., dinner concert, 8.30-10.30, Sigma Alpha Iota; 12-2, orchestra.

KFH, Wichita, Kan. (267.7m-1120kc), 7-8 p. m., J. O. Adams Music company, 11-12, Hotel Lassen dance music

KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., Rockport high school glee club

KLDS, Independence, Mo. (440.9m-680kc), 8 p. m., St. Andrews society, James Price, Peter Bernard, bagpipe soloist, Margaret Armstrong, soprano, Mrs. John Fraser, accompanist

KMA, Shenandoah, Iowa (252m-1190kc), 9-11 p. m., pipe organ recital, William Rowle.

KMOX, St. Louis, Mo. (280.2m-1070kc), 8 p. m., organ recital, Arthur L. Utt; Mrs. Jacque Lautree, 7, Little Red Schoolhouse; 8, orchestra, 8.30, H. Muskens, Dutch tenor, 9, Colonel 6121, 10, orchestra

KOIL, Council Bluffs, Iowa (277.6m-1080kc), 6 p. m., Mona Motor Oil entertainers; 7-10, May time festival, Orin W. Miller, clarinetist, Maxine Harlet Miller, pianist, Louise Armstrong, pianist; "The Bohemian Girl," glee clubs, Abraham Lincoln high school, 11, Hotsy Totsy hour, 12, Pow wow

KPRC, Houston, Tex. (296.9m-1010kc), 7.30 p. m., Frank Tilton blind wonder boy pianist, 10.30, Harold Oxley's Warwick hotel orchestra

KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., Grand Central theater.

KSO, Clarinda, Iowa (241.8m-1240kc), 7 p. m., Music

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9-10.30 p. m., Uncle Billy and his fiddle band, 10.30-11.15, New Arlington hotel orchestra.

KYW, Chicago, Ill. (535.4m-560kc), 5-5:30 p. m., dinner music, KDKA; 6.30-8, home-lovers' hour; 8-9, an hour of music; 9-10, Congress classic; 10:05-11, Congress carnival.

WBAP, Fort Worth, Tex. (475.9m-630kc), 9.30-11 p. m., Wendell Hall, The Red-Headed Music Maker.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6.15 p. m., Wesley Barlow's Nicollet hotel orchestra, 8.15, musicale; 10:05, Wallie Erickson's Coliseum orchestra.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., organ music; Trianon ensemble; 11.45-1 a. m., Nighthawk frolic.

WFAA, Dallas, Tex. (475.9m-630kc), 6.30-7.30 p. m., Jimmie Joy's orchestra; 8.30-9.30, Mrs. Albert Smith, soprano; Mrs. H. Parks, contralto; 11-12, Jack Gardner's orchestra.

WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., mixed vocal and instrumental concert, Arthur Findling, baritone.

WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Alumnae association, Mississippi State College for Women.

WOAW, Omaha, Nebr. (526m-570kc), 6:30 p. m., orchestra; 9, program; 10, Frank Hodek and his Nightingale orchestra.

WOC, Davenport, Iowa (483.6m-620kc), 9-10 p. m., Mrs. Harper-Coons, soprano; E. W. Schoenig, baritone; May Marshall, soprano.

WRR, Dallas, Tex. (245.8m-1220kc), 6-7 p. m., dinner hour concert, Jack Gardner's orchestra; 8-9, varied musical program, 12-1 a. m., organ recital, George Perfect.

WSB, Atlanta, Ga. (428.3m-700kc), 8.15-9.15 p. m., Atlanta Atwater Kent hour, 10.45, Ernest Rogers Red Head club.

WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., Beasley Smith's orchestra, 8, barn dance.

WSMB, New Orleans, La. (319m-940kc), 9.30-11:30 p. m., Mary Maloney and artists, concert program

Mountain Standard Time Stations

KFWA, Ogden, Utah (260.7m-1150kc), 9-10 p. m., Ollie Reeves and his orchestra, 10-11, Paramount theater; 11-12 midnight, Ollie Reeves and his orchestra.

KFXF, Colorado Springs, Colo. (250m-1200kc), 9 p. m., dance orchestra

KOA, Denver, Colo. (322.4m-930kc), 9 p. m., Harmony Peerless orchestra, 10.30, Schueneman's Colorado orchestra.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Louise Klos string trio, 8-9, Robert Hurd, tenor; Virginia Flohri, soprano; 9-10, Mabel Bowen, soprano, Hugh Wellington, baritone; 10-11, Packard Radio club in popular song hits; 11-2 a. m., KFI midnight frolic

KFON, Long Beach, Calif. (232.4m-1280kc), 7-7:30 p. m., studio program, 7.30-9, Municipal band, 9-10, KFON frolic, 10-11, program, Lakewood Golf club, 11-12, State theater organ.

KFWB, Hollywood, Calif. (252m-1190kc), 6.30-7.30 p. m., dinner hour, 8-9, Warner Brothers [illegible], 9-11, Warner Brothers movie frolic

KGO, Oakland, Calif. (361.2m-830kc), 8-10 p. m., two violin and piano program, vocal duets, selections, Hawaiian songs, Strollers' quartet, 9.15, "A Step On the Stairs," mystery serial, 10, Madsen's Midshipmen dance orchestra

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., concert, 10-12, Herman Kenin's dance orchestra

KHJ, Los Angeles, Calif. (405.2m-740kc), 7.15-7.45 p. m., Boy Scouts band; 8-10, Karl Brandenburg, tenor.

KJR, Seattle, Wash. (384.4m-780kc), 8.30-10 p. m., Pacific Northwest artists

KMTR, Hollywood, Calif. (238m-1260kc), 6-7 p. m., Starr Piano company studio; 7-8, DeLuxe ensemble; 8-10, KMTR concert orchestra; Neil Russell, baritone, 10-11, motion picture [illegible], Hal Roach comedy stars

KNX, Hollywood, Calif. (336.9m-890kc), 6.30-7 p. m., [illegible] announcements; 7.30-8, studio program; 8-9, program, [illegible]; 10-11, Ambassador hotel dance orchestra; 11-2 a. m., Hollywood Nite [illegible]

KPO, San Francisco, Calif. (428.3m-700kc), 8-12, [illegible]

KPSN, Pasadena, Calif. (315.6m-950kc), 8-9 p. m., Star News concert hour, 9-10, dance orchestra.

Los Angeles being port of entry from Hawaii, has more than its share of Mid-Pacific musicians. Among the most popular of KHJ, are the Burkman Brothers. They are shown above broadcasting. To the left is the Tuesday evening feature of WLW, Mary Louise Wosezcek, pianist. She is often called the Melody Lady of this station. To the right is a popular Nashville artist, Mary Cornelia Malone, soprano, who sings frequently at WSM.

Sunday, May 2

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
3:30 p. m.	2:30	1:30	12:30	11:30
WTIC (475.9m-630kc), National music week concert.				
7	6	5	4	3
WBAP (475.9m-630kc), Sacred concert.				
9	8	7	6	5
WBZ (333.1m-900kc), Florette ensemble.				
9:15	8:15	7:15	6:15	5:15
WEAF (491.5m-610kc), WEEI, WCAP, WFI, WJAR, WGR, WCAE, WSAI, WWJ, WOC, WCCO, WGN, WEAR, KSD, WTAG, Atwater Kent program.				
10	9	8	7	6
WJZ (454.3m-660kc), WGY (379.5m-790kc), Godfrey Ludlow, violinist.				
11:30	10:30	9:30	8:30	7:30
KPRC (296.9m-1010kc), Silverstring players.				
12 m.	11	10	9	8
KHJ (405.2m-740kc), Mothers' Day program.				
12:10 a. m.	11:10	10:10	9:10	8:10
KTHS (374.8m-800kc), Radio special train.				

Sunday, silent night for: CFAC, CHIC, CKAC, CKNC, CNRA, CNRC, CNRE, CNRM, CNRO, CNRR, CNRT, CNRV, CNRW, KFAB, KFAU, KFKX, KFOA, KFWA, KFXF, KLX, KMA, KMTR, KOAC, KOB, KOWW, KSAC, KSO, KUOA, KWSC, WABQ, WAHG, WAIU, WCAU, WDAF, WEAO, WEBJ, WEBW, WFI, WGBF, WGHB, WGHP, WHA, WHAS, WHAZ, WIP, WJAD, WJAZ, WJJD, WJR, WKAF, WKAR, WMAQ, WMAZ, WMC, WNYC, WOI, WOOD, WRC, WRVA, WSB, WSM, WTAM, WTIC.

Atlantic or Eastern Daylight Saving Time Stations

WBBR, New York, N. Y. (272.6m-1100kc), 10 a. m., Watchtower trio choral singers; 2, orchestra; 3:15, Bible instruction; 3.30, Watchtower orchestra; 9, string quartet.

WCAE, Pittsburgh, Pa. (461.3m-650kc), 10:45 a. m., Rodef Shalom temple; 4 p. m., WEAF; 6:30, dinner concert, 7.20, WEAF, 9.15, WEAF

WCAU, Philadelphia, Pa. (277.6m-1080kc), 3 p. m., recital, 3.45, Undenominational church services; 5:25, sermon, Rev. John W. Stockwell; 5.35, recital; 5.45, talk, 6.15, Clarence Seaman and his orchestra; 7.45, Cathay Tea Garden orchestra, 8.30, Barry O'Moore and the Bonwit Teller ensemble, 9, the Lester-North hour of music, 10, The Ten Californians

WEAF, New York, N. Y. (491.5m-610kc), 2-4 p. m., Sunday Radio service; 5.30-6, "Eve of St. Agnes," Radio theater; 6-7.20, musicale; 7.20-9:15, Capitol theater, 9.15-10.15, Atwater Kent Radio hour.

WEEI, Boston, Mass. (348.6m-860kc), 2 p. m., Sager's hour of hospitality, 4, WEAF, 6, Jordan Marsh company's sparkling diamonds; 7.20, WEAF; 9.15, WEAF

WFI, Philadelphia, Pa. (394.5m-760kc), 4.30 p. m., studio chapel services; 7.30, services, Arch Street Presbyterian church

WGR, Buffalo, N. Y. (319m-940kc), 10.15 a. m., Westminster Presbyterian church, 6 p. m., WEAF; 7.45, Central Presbyterian church, 9.15, WEAF.

WHAR, Atlantic City, N. J. (275.1m-1090kc), 10.45 a. m., Baptist church; 2.15 p. m., Seaside hotel trio; 7.30, Chelsea Baptist church, 9, "An Hour with the Classics," Seaside hotel ensemble.

DANCING

Central Time

Saturday

9, Webb, Wjaz, Wmbb, Wnyc, Wreo; 9:10, Kths, Wip; 9:30, Wbbs, Wgbs, Wor, Wrc; 10, Kfve, Kfwa, Koa, Kpo, Weaf, Wgn, Wjaz, Wjr, Wkrc, Wmca, Wnyc, Wor, Wqj, Wreo, Wtam; 11:05, Wcco; 10:30, Wamd; 10:45, Wls; 11, Kfoa, Kfwb, Kpo, Webh, Whas, Wgbu, Who, Wjaz, Woc; 11:30, Kfoa; 11:45, Wdaf; 12, Kfwa, Kgo, Kgw, Knx, Wgbu, Wjaz, Wjjd.

Monday

8, Wgcp; 9, Wgbu, Wjar, Wor; 9:15, Wahg; 10, Kths, Wgbu, Wgcp, Wgr, Wnyc, Wpg; 9:45, Wor; 10:30, Kfoa, Wgcp, Whn; 11, Kgw, Khj, Wgbu, Wgcp, Wgr, Wgn, Who; Wjaz; 11:45, Wdaf; 12, Knx, Kpo.

Tuesday

10, Kfve, Wbbm, Weaf, Webb, Wgbu, Wgn, Whn, Wmca, Wnyc, Wpg; 10:15, Kths; 10:30, Kths, Whn; 10:45, Wgbu; 11, Kgw, Koil, Wgbu, Whn, Wjaz; 11:30, Kfoa; 11:45, Wdaf; 12, Kgw, Khj, Knx, Kpo, Wdaf, Wjaz; 1, Wqj.

Wednesday

9, Wcx, Webh, Wgbu, Wgcp, Wip, Wjaz, Wmbb; 9:15, Wahg; 9:30, Wbap, Who; Wor; 10, Kfve, Wgbu, Wbap, Weaf, Wgcp, Wjaz; 10:05, Wcco; 10:30, Whn; 11, Koil, Kpo, Webh, Wgbu, Wgcp, Wgr, Who, Wjar; 11:45, Wdaf; 12, Kfwa, Knx, Kpo, Wjjd.

Thursday

8, Wjr; 9, Webb, Weel, Wgbu, Whn, Wjr, Wmbb, Wnac; 9:05, Wbz, Wip; Wgbs, Wnyc; 10, Kths, Wmca, Weaf, Wgbu, Wpg, Whn, Wor, Wgcp, Webh; 11:45, Wdaf; 12, Kgo, Khj, Knx, Kpo, Wjjd.

Friday

8, Weel, Webb, Wgcp, Wmbb, Wnyc, Kfve, Wcco, Kpo, Whn, Wor, [illegible]

WIP, Philadelphia, Pa. (508.2m-590kc), 10:45 a. m., services, Holy Trinity church

WJAR, Providence, R. I. (305.9m-950kc), 7:20 p. m., Capitol family; 9.15, Atwater Kent Radio hour.

WJZ, New York, N. Y. (454.3m-660kc), 11 a. m., West End Presbyterian church; 2:30, Sunday Radio forum; 3.55, St. George's Vesper service; 7, Hotel Pennsylvania concert orchestra; 8, Bakelite hour; 9, Hotel Commodore concert orchestra, WGY; 10, Godfrey Ludlow, violinist, WGY.

WLIT, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Benjamin Franklin hotel organ recital; 7, Benjamin Franklin hotel concert orchestra.

WMAK, Buffalo, N. Y. (265.3m-1130kc), 10:45 a. m., First Presbyterian church; 7:30, Churchill Tabernacle.

WOO, Philadelphia, Pa. (508.2m-590kc), 2 p. m., musical exercises, Bethany Sunday school; 6, organ recital; 7:30, services, Bethany Presbyterian church.

WPG, Atlantic City, N. J. (299.8m-1000kc), 3:15 p. m., Arthur Scott Brook, organist; 4:15, St. James Episcopal church musicale; 9:15, Hotel Ambassador concert orchestra; 10, Arthur Scott Brook, organist; WPG ladies trio.

WTAG, Worcester, Mass. (267.7m-1120kc), 1-5:30 p. m., program; 7.20-9:15, WEAF.

Eastern Standard or Central Daylight Saving Time Stations

CFCA, Toronto, Can. (356.9m-840kc), 9.15 p. m., Huntsville band

KDKA, Pittsburgh, Pa. (309.1m-970kc), 11 a. m., East End Christian church; 4 p. m., Dr. Charles Heinroth, organist; 4.15, Shadyside Presbyterian church; 6.30, KDKA Little symphony orchestra; 7:20, chimes; 7.30, Calvary Episcopal church.

WADC, Akron, Ohio (258.5m-1160kc), 6.30 p. m., dinner concert, Carnes Richards' Hotel Portage quintet.

WBAL, Baltimore, Md. (245.8m-1220kc), 7.30-8:30 p. m., WBAL concert orchestra.

WBBM, Chicago, Ill. (225.4m-1330kc), 12.30-2 p. m., Metropolitan mixed quartet; Goldie Gordon, violinist; Bessie Sax, pianist; Cecile Winnie, bass-baritone, Paul Crunwell, baritone; Vinzie Lindhe, pianist; 4-6, Jack Crawford's Alemite orchestra; Maurice Silverman, tenor; Pauline Athass, violinist; Lois Hammett, pianist; F. J. Porter, baritone; 11.59-3 a. m., Nutty club.

WBZ, Springfield, Mass. (333.1m-900kc), 9:15 a. m., Church of the Unity; 6 p. m., Copley Plaza orchestra; 7, Unity quartet; 8, Florette ensemble

WCAP, Washington, D. C. (468.5m-640kc), 11 a. m., Foundry Methodist Church of Washington; 4 p. m., Washington cathedral; 6.20-9.15, WEAF

WCBD, Zion, Ill. (344.6m-870kc), 8 p. m., mixed quartet, brass quartet; Messrs. Stewart and Dunn, cornet and euphonium soloists; P. B. and Carl Newcomer, cornet and saxophonists; Mr. and Mrs. G. R. Sparrow, vocal duettists; Ida Peterson, soprano; Richard Hire, violinist; Hazel Dunn, pianist

WEBH, Chicago, Ill. (370.2m-810kc), 10.30 a. m., Seventh Church of Christ, Scientist; 7-9, artists' program.

WGN, Chicago, Ill. (302.8m-990kc), 6:45-7 p. m., musical program; 7-7.20, The Million Sing; 7.20-7.30, Old Fashioned Almanack, 7.30-7.45, Correll and Gosden; 7.45-8.15, Drake concert ensemble, Blackstone string quintet; 8.15-9.15, WEAF; 9.15-10, "Our Music Room"; 10-10.10, Sam 'n' Henry; 10:10-11, musical program

WGY, Schenectady, N. Y. (379.5m-790kc), 9.45 a. m., First Church of Christ, Scientist; 3 p. m., program, Syracuse; 3.30, Elmer Tidmarsh, organist; 7, New York State Rotary convention; 9, Godfrey Ludlow, violinist, WJZ.

WHT, Chicago, Ill. (399.8m-750kc), 12n-10:30 p. m., Paul Rader

WIBO, Chicago, Ill. (225.4m-1330kc), 2-4 p. m., Sunday afternoon concert; 6-8, program, Walter Preston, director; 10-12 midnight, popular program.

WJAZ, Chicago, Ill. (329.5m-910kc), 7-9 p. m., Girvin Symphony orchestra; Treble Clef trio of Aurora.

WJJD, Mooseheart, Ill. (370.2m-810kc), 7:45 a. m., Roman Catholic services; 9:40, Protestant services; 2:30, Sunday concert; 3:30, Bible class; 4, Palmer House Sunday symphony orchestra; 4, Sunday orchestra.

WLIB, Chicago, Ill. (302.8m-990kc), 5-6:15 p. m., concert, Oriental jazz ensemble.

WLS, Chicago, Ill. (344.6m-870kc), 6-7:55 p. m., WLS Little Brown church

WLW, Cincinnati, Ohio (422.3m-710kc), 10:45 a. m., Seventh Presbyterian church; Dan Beddoe, soloist; Adolph Stadermann, organist; 4 p. m., sacred instrumental concert; 5, organ recital, Leo Thuis; 7:30, First Presbyterian church; 8.30, concert orchestra.

WMBB, Chicago, Ill. (249.9m-1220kc), 3-5 p. m., Trianon orchestra; Woodlawn theater orchestra; Bob Smith, Bob Duffy, popular concert; 7:10-9, Fifth Church of Christ, Scientist; 9-11, Trianon orchestra; Woodlawn theater orchestra; Scotty Welch and Madison Sisters, harmony duo; Bob Bennett, pianist.

WOK, Chicago, Ill. (217.3m-1380kc), 6 p. m.-1 a. m., Tearney's Town club orchestra; Midway Garden orchestra; Pershing Palace orchestra; Capitol theater musical program; ensemble; studio program.

WORD, Batavia, Ill. (275m-1090kc), 10 a. m., I. B. S. A. service; 2 p. m., Bible lecture; 2:30, Chicago Rapid Transit company; 6, evening service; 9:30, I. B. S. A. lecture; 10:45, Bible lecture

WQJ, Chicago, Ill. (447.5m-670kc), 10-12 noon, services, Peoples' church; choir; Clarence Eddy, organist; 3-4 p. m., Edith Phillips Heller and artists; Jerry Fullum, soprano; William Mutter, tenor; E. Whiting, baritone; Edith Heller, pianist, 8-10, Ralph Williams and his Rainbo Garden orchestra.

WSAI, Cincinnati, Ohio (325.9m-920kc), 11 a. m., Avondale Methodist Episcopal church; 7:45 p. m., chimes; 8, Radio sermonette; 8.15, WEAF.

WSWS, Chicago, Ill. (275.8m-1090kc), 11 a. m., Moody church; 3-5 p. m., popular service; 7-8:30, evening song service.

WTAM, Cleveland, Ohio (389.4m-770kc), 11 a. m., Trinity cathedral.

WTIC, Hartford, Conn. (475.9m-630kc), 2:30 p. m., national music week.

WWJ, Detroit, Mich. (352.7m-850kc), 10 a. m., First Presbyterian church; 2 p. m., Detroit News orchestra; 6.20, WEAF; 8:15, WEAF.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 1-5 p. m., vesper service; 9-11, Dewitt high school orchestra.

KFH, Wichita, Kan. (267.7m-1120kc), 9.45 a. m., Bible class; 7.15, First Methodist church; 10-11, Coleman string quartet.

KFNF, Shenandoah, Iowa (263m-1140kc), 10:45 a. m., First M. E. church; 2.30 p. m., Golden Rule song service; 3, services; 6.30, Golden Rule circle; 7.30, Christian church services.

KFUO, St. Louis, Mo. (545.1m-550kc), 1 p. m., Shut-In hour; sermon "Blessed are they which do hunger and thirst after righteousness, for they shall be filled," Rev. E. Duever; musical program; 9.15, "The First Commandment with Promise," Rev. H. Claus; musical program

KLDS, Independence, Mo. (440.9m-680kc), 3 p. m., sacred program, First Christian church; 6.30, Lilly Belle Allen, soprano, Mrs. Arthur Daniels, contralto, Elbert Dempsey, tenor, Dr. Frank Criley, bass; Wesley Brocaw, saxophonist; 9.15, Stone church choir

KMA, Shenandoah, Iowa (252m-1190kc), 8.30-9.30 a. m., services; 12.15-1.30 p. m., sacred song service; 4-5, choir music; 5-6, Religious discussion.

KMOX, St. Louis, Mo. (280.2m-1070kc), 9 p. m., Sunday night club.

KOIL, Council Bluffs, Iowa (277.6m-1080kc), 11 a. m., First Congregational church; 4 p. m., Methodist church orchestra; 7.35, First Congregational church choir; 11, Original Collegians

KPRC, Houston, Tex. (296.9m-1010kc), 10.55 a. m., South End Christian church, 7.50, First Church of Christ, Scientist; 9.30, Silverstring players; 11, Paul A. Hill, organist.

KSD, St. Louis, Mo. (545.1m-550kc), 5:15 p. m., WEAF, 7.15, WEAF

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 11 a. m., First Baptist church; 9.05 p. m., sacred concert, choir Arkansas State Teachers college; 9.10-10, New Arlington Hotel-Meyer Davis orchestra; 10-10.10, Phantom Voice, 10.10-11.30, Arkansas Traveler Limited Radio special

KYW, Chicago, Ill. (535.4m-560kc), 11 a. m., Central church service, 4.30, studio concert; 7, Chicago Sunday evening club; "Some Old Letters," Clifford W. Barnes; 8, "The Religion of the New Democracy," Dr. Charles W. Stolzle.

WBAP, Fort Worth, Tex. (475.9m-630kc), 5-6 p. m., sacred concert, School of Music, Southwestern Baptist seminary; 9:30-11, Texas hotel orchestra.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 10:50 a. m., Hennepin's Avenue M. E. church; 3 p. m., Lutheran Bible Institute; 4:10, House of Hope Presbyterian church; 5:50, Second Church of Christ, Scientist; 7:15, WEAF; 9:30, Hugo Philler Goodwin, organist.

WDAF, Kansas City, Mo. (365.6m-820kc), 3-4 p. m., program, Lees Summit, Dolly Breitenbaugh, director; 4-4:15, vespers.

WEMC, Berrien Springs, Mich. (285.5m-1050kc), 11 a. m., Martha Hutchison, organist; choir; Rena Ely, flutist; 12 noon, Georgia Nethercutt, soprano; 8:15, Vivian Copeland, pianist; choir; Dulcinano string trio; 9:15, Ruth Lee, soprano.

WFAA, Dallas, Tex. (475.9m-630kc), 6-7 p. m., Bible class, First Presbyterian church, gospel songs; 7:15-7:15, Cyrus Barcus, cornetist; 8-9, First Baptist church; 11-12, Ligon Smith and his orchestra.

WHAS, Louisville, Ky. (399.8m-750kc), 10 a. m., Fourth Avenue Presbyterian church; 4:30-5:30 p. m., choral evensong service, Christ Church Cathedral; Ernest Simon.

WHB, Kansas City, Mo. (365.6m-820kc), 9:40 a. m., Linwood Boulevard Christian church; 11:10-12:30, Christian church; 8, service; 11.15, Morrill Moore, organist; Don Anchors, poet

WHO, Des Moines, Iowa (526m-570kc), 11 a. m., University church; 5-6 p. m., Bankers' Life trio; Myrtle Williams, soprano; Stewart Watson, baritone; 7.30-8:30, Fourteenth Cavalry band, 11-12, Bankers' Life Little symphonic orchestra.

WOAI, San Antonio, Tex. (394.5m-760kc), 11 a. m., First Presbyterian church; 7.30 p. m., Central Christian church; 9.30, Super-Heterodyne hour of music.

WOAW, Omaha, Nebr. (526m-570kc), 9 a. m., Omaha Gospel tabernacle; 1.30 p. m., classical program; 9, services.

WOC, Davenport, Iowa (483.6m-620kc), 1-2.30 p. m., old folks' musicale, Palmer Little symphony; Paul J. Vipperman, tenor; 6.30-7, St. Matthews Lutheran church; 7.15-8.15, WEAF, 10-11:30, Palmer Little symphony.

WOI, Ames, Iowa (270m-1110kc), 11 a. m., chapel services.

WRR, Dallas, Tex. (245.8m-1220kc), 10:30 a. m., First Baptist church; 7.30, Church of Christ; 9:30-10:30, varied program; W. B. Muse, singer; Billy Hallback's Footwarmers orchestra

WSB, Atlanta, Ga. (428.3m-700kc), 5 p. m., Decatur Young People's league; 7.30, Wesley Memorial Methodist church service.

WSM, Nashville, Tenn. (282.8m-1060kc), 10.30 a. m., First Presbyterian church.

WSUI, Iowa City, Iowa (483.6m-620kc), 7.30 p. m., Celeste Fuhrmann, soprano, Zita Fuhrmann, pianist.

Mountain Standard Time Stations

KFXF, Colorado Springs, Colo. (250m-1200kc), 11 a. m., First Presbyterian church; 7.30, First Methodist church.

KOA, Denver, Colo. (322.4m-930kc), 10.50 a. m., First Church of Christ, Scientist; 5 p. m., Corinne M. Bourk, pianist; Henry Trustman Ginsburg, violinist; Ethel Wilkins, violinist; Wayne C. Hedges, violist; Lee N. Parker, violoncellist; 7:50, First Church of Christ, Scientist.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-7:30 p. m., Grebe synchrophase string ensemble, 7.30-8, Jim, Jack and Jean trio; Gogo Belanger, blues singer; 8-9, Aeolian organ, Dan L. McFarland, organist; 9-10, Morleland syncopators; 10-11, Packard Six dance orchestra

KFON, Long Beach, Calif. (232.4m-1280kc), 6.30-7.30 p. m., program Prest and Dean; 7:45-9, service, First Church of Christ, Scientist; 9-10, Burt Pedersen's orchestra

KFWB, Hollywood, Calif. (252m-1190kc), 9-11 p. m., Warner Brothers Sunday night movie frolic.

KGO, Oakland, Calif. (361.2m-830kc), 11 a. m., First Baptist church; 3:30 p. m., vesper services, Grace Cathedral; 7:35, First Baptist church service; George Lipschultz, violinist; Esta Pomeroy, organist.

KGW, Portland, Ore. (491.5m-610kc), 10:45-12 noon, Church of Our Father, Unitarian; 7:30-9 p. m., First Presbyterian church; 9-10, Chevrolet symphony orchestra.

KHJ, Los Angeles, Calif. (405.2m-740kc), 7-8 p. m., First Methodist Episcopal church; 8-10, Artland Club Mothers' day program.

KNX, Hollywood, Calif. (336.9m-890kc), 6:30-7 p. m., Unitarian church service; 8-9, First Presbyterian church of Hollywood; 9-10.30, program, Beverly Hills Nurseries, Russian string trio.

KPO, San Francisco, Calif. (428.3m-700kc), 9:45 a. m., Swedish Baptist church; 2:30 p. m., sacred concert, music week; 5-6, Marshall W. Giselman; 6-6:30, States Restaurant orchestra; 6:35-8:35, Palace hotel concert orchestra; 8:35-10, Rudy Seiger's Fairmont hotel orchestra.

KPSN, Pasadena, Calif. (315.6m-950kc), 8:45-9:45 p. m., Maryland Artists' ensemble.

KTAB, Oakland, Calif. (239.9m-1250kc), 9:45 a. m., Bible lecture, Prof. E. G. Linsley; 11, service; 7:45, service; 9:30, after-service concert.

"a Step On the Stairs"

Broadcast as a Play

EPISODE TEN—THE SETTING

THE scene continues in the high-beamed hunt-room. Mary Williams admits she intentionally locked Mitchell in the cupboard in fear and for safe keeping. She is accused of preventing an officer from performing his duties and several suggestions are made that she might be in cahoots with crooks. Mary Williams asks Hazel Stanton where she fits in the picture. In reply Hazel Stanton discloses the fact that she is of the federal department of justice and orders Mary Williams' arrest for the murder of Jeremiah Turner. The "corpse" of Peleg comes to. He explains that he had gathered the guests together in an effort to have the killer confess. He had tapped the land wire of the station and expected to get the message through during a switch of controls. In the woods he met Teufel who, he imagines, was coming to the manse to warn his fellow crooks that the department was on the trail. He was chased by Teufel who pursued him through the station and shot the engineer. The letter was from John Carton but of no importance. Thinking something up at the house he returned there but had to go suddenly and left him shoes. Peleg clears Mary Williams of the crime by saying he killed the man himself. The tenth episode opens.

THE CAST

Mr. Everett........Chief of Portsmouth Narcotic Squad
Mary Williams........A youthful guest
Aunt Helen Holmes........Relative of Peleg Turner
Hazel Stanton........A young lady
Maurice Tolliver........A youth and relative
Peleg Turner........A dead man resurrected
Frederick Ardwyn........Peleg Turners' lawyer
Cousin William Caryl........Relative of Peleg Turner
John Carton........Nephew of Peleg Turner
Hari Singh........Hindu servant of Peleg Turner

WHERE AND WHEN TO DIAL

KGO, Oakland, Calif. (361.2m-830kc). Tenth episode at 9:15 p. m. Pacific time, Saturday, May 8.

KOA, Denver, Colo. (322.4m-930kc). Tenth episode at 9:40 p. m. Mountain time, Monday, May 3.

WBAP, Fort Worth, Tex. (475.9m-630kc). Tenth episode at 11 p. m. Central time, Thursday May 13.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc). Tenth episode at 10:05 p. m. Central time, Thursday, May 6.

WGY, Schenectady, N. Y. (379.5m-790kc). Tenth episode at 7:15 p. m. Eastern time, Friday, May 7.

WHO, Des Moines, Iowa (526m-570kc). Tenth episode at 2:30 p. m. Central time, Monday, May 10.

WLW, Cincinnati, Ohio (422.3m-710kc). Tenth episode at 8:30 p. m. Central time, Saturday.

WMAQ, Chicago, Ill. (447.5m-670kc). Tenth episode at 8:35 p. m. Central time, Wednesday, May 12.

WNAC, Boston, Mass. (280.2m-1070kc). Tenth episode at 8:30 p. m. Eastern time, Wednesday, May 5.

WEAN, Providence, R. I. (270.1m-1110kc). Play broadcast by direct wire from WNAC, Boston, on same schedule as WNAC therefore.

WOAW, Omaha, Nebr. (526m-570kc). Tenth episode at 8 p. m. Central time, Saturday, May 8.

WOC, Davenport, Iowa (483.6m-620kc). Tenth episode at 10:30 p. m. Central time, Friday, May 7.

WOR, Newark, N. J. (405.2m-740kc). Tenth episode at 10.30 p. m. Eastern time, Saturday.

WRC, Washington, D. C. (468.5m-640kc). Tenth episode at 8:15 p. m. Eastern time, Friday, May 7.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc). Schedule to be announced over air.

Monday, May 3

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
8:30 p. m.	7:30	6:30	5:30	4:30
WPG (299.8m-1000kc), Festival choir.				
9	8	7	6	5
WBZ (333.1m-900kc), Little screen players.				
WGY (379.5m-790kc), Severino Mandolin quintet.				
9:30	8:30	7:30	6:30	5:30
WBAP (475.9m-630kc), Boys' Week program.				
WOR (405m-740kc), Ruppel Sisters.				
WHAZ (379.5m-790kc), Concert.				
10	9	8	7	6
KPRC (296.9m-1010kc), D. O. K. K. band.				
WDAF (365.6m-820kc), Ivanhoe band, glee club.				
WLW (422.3m-710kc), May Day program.				
WEAF (491.5m-610kc), and chain, grand opera, "Faust."				
WOOD (241.8m-1240kc), "What Price Trout," play.				
WOI (270.1m-1110kc), Velshea entertainment.				
11	10	9	8	7
WCCO (416.4m-720kc), Royal-Star ensemble.				
WTIC (475.9m-630kc), Symphonic ensemble.				
11:05	10:05	9:05	8:05	7:05
KTHS (374.8m-800kc), Solo hour.				
2 a. m.	1	12	11	10
KGW (491.5m-610kc), Spanish ballroom.				

Monday, silent night for: CKAC, CNRA, CNRC, CNRE, CNRM, CNRO, CNRR, CNRT, CNRV, CNRW, KFAU, KFMX, KFWA, KHJ, KPSN, KSAC, KYW, WBBM, WCBD, WEAO, WEBH, WEBJ, WEBW, WENR, WGBF, WGBS, WGES, WGN, WHAS, WHT, WIBO, WIP, WJAZ, WJJD, WLIB, WLS, WMAQ, WMBB, WOAI, WOC, WOK, WORD, WQJ, WRC.

Atlantic or Eastern Daylight Saving Time Stations

CFCA, Toronto, Can. (356.9m-840kc), 6:45-7:45 p. m., Granger Coal orchestra.

CHIC, Toronto, Can. (356.9m-840kc), 8 p. m., First Church of Christ, Scientist

WBBR, New York, N. Y. (272.6m-1100kc), 8 p. m., Jubilee entertainers; 8:20, program; 8.50, entertainers.

WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert, 8, musicale; 9, concert; 10, grand opera; 11.05, dance

WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30 p. m., recital, N. Snellenburg and company; 8, Carolyn

SPRING BRINGS "CALL OF THE WILD"

One of the KOA players who appears in the mystery play "A Step On the Stairs" is Betty Lowell. She plays the part of Hazel Stanton.

Monday, May 3

Thomas, soprano; 8:30, The Hood Boys; 8:45, Enright's Gems; 9, The Merry Minstrels; 9:40, Jackson and Ellis, Radio sweethearts; 10, Madrgial Mixed quartet.

WEAF, New York, N. Y. (491.5m-610kc), 4-12 midnight, Muriel Anderson, contralto; Lawrence Gardner, xylophonist; Clover club trio; Vincent Lopez and his orchestra; Adolph Opfinger, pianist; Francine Vyde, soprano; A. and P. Gypsies; grand opera, "Faust"; Ben Bernie and his orchestra.

WEEI, Boston, Mass. (348.6m-860kc), 7:30 p. m., North Avenue Baptist church quartet; 8, poetic walker; 8:15, Varsity Tire entertainers; 9, WEAF; 10, Hunters Cabin orchestra; 10:30, Harvard Alumnae orchestra.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra.

WGHB, Clearwater, Fla. (265.3m-1130kc), 8:30-10 p. m., Music week program.

WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., Al Voelkles' orchestra; 8, classical recital, Bertha Drescher; 8:30, Kane and Johnson, harmony team; 9, violin and harp, Margaret Blakeslee, Mildred Laube; 9:30, Ruppel sisters; 10, Hubert mixed quartet; 11, Vincent Lopez Hotel Statler dance orchestra.

WHAR, Atlantic City, N. J. (275.1m-1090kc), 8 p. m., Seaside hotel trio; 11, Follies Bergere dance orchestra.

WHAZ, Troy, N. Y. (379.5m-790kc), 8:30 p. m., vocal and instrumental concert; reader; 9:45, Royal club orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin hotel concert orchestra; 7, Uncle Wip's bedtime stories; dancing lessons, Miller Conservatory of Dancing.

WJAR, Providence, R. I. (305.9m-950kc), 7:45 p. m., musicale; 9-11, WEAF.

WJZ, New York, N. Y. (454.3m-660kc), 7 p. m., Hotel Commodore dinner concert; 7:55, John B. Kennedy; 8, Astor Coffee orchestra; 9, Reading Railroad Revelers; 10, Moorland hour; 10:45, Waldorf Astoria orchestra.

WLIT, Philadelphia, Pa. (394.5m-760kc), 7:30 p. m., Dream Daddy's bedtime stories; 8, Short Agro Waves; 9, Stanley Hour of Music; 10, Arcadia cafe concert orchestra; 10:30, vaudeville features, Fay's Knickerbocker theater; 10:45, El Patio dance orchestra.

WMAK, Buffalo, N. Y. (265.3m-1130kc), 7:30-8 p. m., musical; 8-9, Silver Leaf quartet; 9-10, musical program; 10-11, Beaver Products company program.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Ritz Carlton dance orchestra; 8, pop concert; 9, WEAF; 11, Adelphia dance orchestra.

WPG, Atlantic City, N. J. (299.8m-1000kc), 6:45 p. m., Arthur Scott Brook, organist; 7:15, Hotel Morton dinner music; 8:30, Haydn's "Creation"; 10, Atlantic City Hotel Men's exhibit; 11, Silver Slipper Supper club.

WTAG, Worcester, Mass. (267.7m-1120kc), 8:30-9 p. m., WTAG entertainers; 9-10, Robin Hood hour of music; 10-11, WEAF.

Eastern Standard or Central Daylight Saving Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 9 p. m., Rudd Light Opera hour.

WABQ, Haverford, Pa. (261m-1150kc), 11 p. m., Ardmore theater program.

WADC, Akron, Ohio (258.5m-1160kc), 6:30 p. m., dinner concert, Carnes Richards' Hotel Portage quintet.

WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:50 p. m., WBAL dinner orchestra; 8-9, Viola Hewitt, soprano; Eugenia Earp Arnold, contralto; Yedidyah Adaron, baritone; Eva Hipp, pianist; Abram Moses, violinist; 9:10-10, musicale; 10-11, WBAL ensemble.

WBZ, Springfield, Mass. (333.1m-900kc), 6 p. m., Hotel Lenox ensemble; 7, Capitol theater orchestra; 7:30, Rene Dagenais, organist; 8, Little Screen players; 8:30, Empire singing orchestra; 9:30, Leo Reisman's Hotel Brunswick orchestra.

WCAP, Washington, D. C. (468.5m-640kc), 7-8 p. m., studio program; 8-9, WEAF; 9-10, WEAF.

WGY, Schenectady, N. Y. (379.5m-790kc), 6:35 p. m., Severine mandolin quintet; 8, quintet.

WLS, Chicago, Ill. (344.6m-870kc), 6:40 p. m., College Inn orchestra.

WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., dinner concert, Hotel Gibson orchestra; 7:30, theatrical feature; 7:40, Hotel Gibson concert; 8, music; 9, Crosley Little symphony orchestra, "May Day program"; 10, dance music, Castle Farm; 10:30, Midnight serenaders.

WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9-10 p. m., "What Price Trout," WOOD ensemble; 10-11, Second Street Methodist church choir; 11-12 midnight 16th woodpile.

WRVA, Richmond, Va. (256.3m-1170kc), 9 p. m., Virginia folk lore; 9:10, Mrs. Mable Maxon Stradling, organist; 10, orchestra; 11-11:30, mixed quartet.

WSAI, Cincinnati, Ohio (325.9m-920kc), 10-12 midnight, musicale.

WTAM, Cleveland, Ohio (389.4m-770kc), 6-7 p. m., dinner hour, Carl Rupp and his Hotel Hollenden orchestra; 8-11, Cleveland's city band, artists; 11-12, Austin Wylie's Recording orchestra; 12-1 a. m., Guy Lombardo and his Royal Canadians dance orchestra.

WTIC, Hartford, Conn. (475.9m-630kc), 7:30 p. m., Capitol theater orchestra; 8, Eldna Scanlon, tenor; 8:15, Charles Scanlon, tenor; 8:30, Hotel Bond dance orchestra; 9, grand opera hour; 10, Travelers symphonic ensemble.

WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7, studio program; 8, Detroit News orchestra; 9, A. and P. Gypsies.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., golf talks, R. S. Johnson; 8:30-10:30, Queen Incubator, Cowbell boys; Little symphony orchestra; Harmony Boys.

KFH, Wichita, Kan. (267.7m-1120kc), 7-8 p. m., ladies quartet.

KFKX, Hastings, Nebr. (288.3m-1040kc), 9-11 p. m., talent, St. Paul, Nebr.

KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., Lester Smith Harmony orchestra.

KFUO, St. Louis, Mo. (545.1m-550kc), 8 p. m., "The Value of Christian Conviction and Courage," Rev. O. Lindemeyer; Western Four quartet.

KMA, Shenandoah, Iowa (252m-1190kc), 9-11 p. m., Farnham trio, How Do You Do Boys, Grady and Doc.

KMOX, St. Louis, Mo. (280.2m-1070kc), 6 p. m., Arthur L. Utt and Mrs. Jacque Landree; 7, Buster's saxophone quintet; 8, Bell Hops; 9, orchestra; 9:30, Tom Pickard, Scotch songs; 10, orchestra; A. W. Snyder, accordionist.

KOIL, Council Bluffs, Iowa (277.6m-1080kc), 6 p. m., Hugh W. McGann, Irishman; 6:30, Original Collegians; 8, Frost concert band; 9:15, Barny and Twins; 10, Kathryn Cheyne Lemen, contralto; Dorothy Shove Kelloway, soprano; Margaret Lemen Green, pianist; 11, Charlestonians.

KPRC, Houston, Tex. (296.9m-1010kc), 6:30 p. m., Harold Oxley's Warwick hotel orchestra; 7:30, dance orchestra; 8:30, Max E. Shippee, tenor; 9, E. Tex Temple D. O. K. K. band.

KSD, St. Louis, Mo. (545.1m-550kc), 8 p. m., WEAF.

KSO, Clarinda, Iowa (241.8m-1240kc), 7 p. m., Earl McDonald entertainers.

KTHS, Hot Springs National Park, Ark. (374.8m800kc), 9:05 p. m., Lon Chassy, violinist; Salvatore Julian, trombonist; Charles Garden, saxophonist; 10-10:20, Arthur Platz, tenor; Elizabeth Bowe, pianist; 10:20-11:30, Lawson Reid, organist.

KUOA, Fayetteville, Ark. (299.8m-1000kc), 8 p. m., Glenn Sherman, pianist.

WBAP, Fort Worth, Tex. (475.9m-630kc), 7:30-8:30 p. m., Fort Worth Rotary club; 9:30-11, Trail Blazers; 11-12:30 a. m., Duncan-Marin orchestra; artists, Majestic theater.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6:15 p. m., St. Paul hotel concert orchestra; 8, U. of Minnesota program; 9, Royal-Star ensemble; 9:30, classical concert.

WCOA, Pensacola, Fla. (222m-1350kc), 7 p. m., San Carlos trio, instrumental; S. L. LaHatche, vocal and Hawaiian novelties; Elizabeth Moreno, pianist; Francis Villar, vocal solos; West Floridian dance orchestra.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., Trianon ensemble; 8-9, Ivanhoe band; 9-10, Star's Radio orchestra; 11:45-1 a. m., Ted Weems' Victor Recording orchestra; Ted Meyn, organist.

WEMC, Berrien Springs, Mich. (285.5m-1050kc), 8:15 p. m., Lighthouse Music Makers; Dulciano string trio; Homer Fellow, baritone; Ellen Acton, soprano.

WFAA, Dallas, Tex. (475.9m-630kc), 6:30-7:30 p. m., Honey Boys' orchestra; 8:30-9:30, Sears-Roebuck Agricultural Foundation program.

WHB, Kansas City, Mo. (365.6m-820kc), 2-3 p. m., Kansas City artists trio; 7-8, Sweeney Radio orchestra; Peggy Nash, Henry Klotz.

WHO, Des Moines, Iowa (526m-570kc), 7:30-9 p. m., concert, Drake University Conservatory of Music; 11-12, organ recital, L. Carlos Meier.

WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Kiwanis club.

WOAW, Omaha, Nebr. (526m-570kc), 6:20 p. m., popular song period, Frank Peterson, tenor; Helen Higgins, pianist; 6:50, Randall's Royal Fontenelle orchestra; 9, classical.

WOI, Ames, Iowa (270m-1110kc), 8 p. m., Veishea entertainment, songs and musical numbers.

WRR, Dallas, Tex. (245.8m-1220kc), 6-7 p. m., dinner concert, Jack Gardner's orchestra; 8-9, concert, Magnolia Petroleum company band; 11-12, organ recital, George Perfect.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., Chamber of Commerce; 10:45, program, Lucile Moore, director.

WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., Beasley Smith's orchestra; 8, Kiwanis club program; 10, Cumberland Four.

WSMB, New Orleans, La. (319m-940kc), 9:30 p. m., 12:30 a. m., dance program, Dixola orchestra, Strand orchestra.

Mountain Standard Time Stations

KFWA, Ogden, Utah (260.7m-1150kc), 9-10 p. m., KFWA Junior orchestra; 10-11, Paramount theater musicale.

KFXF, Colorado Springs, Colo. (250m-1200kc), 9 p. m., studio program.

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra; 8, Boulder Chamber of Commerce; KOA orchestra; Richard Durrett, tenor; Mrs. Adam Weber, contralto; Hazel Bennett, pianist; instrumental trio; Ethel Frances Weber, soprano; Brooks Custer, accordionist; Mrs. Ben Bernzen, reader; KOA orchestra; 9:40, "A Step On the Stairs."

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Owen Fallon's Californians; Garnet Kibler, blues singer; 8-9, Gusman string trio; Jean Hayden, soprano; 9-10, program, Walter M. Murphy Motors company, Pryor Moore concert orchestra, Emma Kimmel, soprano; 10-11, popular program arranged by Meiklejohn Brothers.

KFON, Long Beach, Calif. (232.4m-1280kc), 7-8 p. m., program, Markwell Salt Water Taffy shop; 8-9, Press-Telegram studio; 9-10, studio program; 10-11, The Club orchestra; 11-12, State theater organ.

KFWB, Hollywood, Calif. (252m-1190kc), 6:30-7:30 p. m., Pontiac 6 dinner hour; 7:30-8, program, Dr. Ralph Mitchell and Associated Dentists; 8-9, program, Corduroy Tire Stores, inc; 9-10, program, Star Motor Car company; 10-11, Warner Brothers frolic.

KGO, Oakland, Calif. (361.2m-830kc) 8 p. m., National Music week program; Arion trio.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-9, vocal and instrumental concert; 9-10, vocal and instrumental; 10-12 midnight, Cole McElroy's dance orchestra.

KMTR, Hollywood, Calif. (238m-1260kc), 6-7 p. m., Radio Press Agent; 7:30-8, Y. M. C. A. musical program; 8-10, KMTR concert orchestra; 10-11, Starr Piano company studio.

KNX, Hollywood, Calif. (336.9m-890kc), 6:30-7 p. m., Atwater Kent orchestra; 7-7:30, Mutual Motors mirth contest; 7:30-8, program, Overells; 8-9, program, L. W. Stockwell company; 9-10, program, S. G. Stephens Motor company; 10-11, Silvertown Cord dance orchestra; 11-12 Ambassador hotel dance orchestra.

KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7 p. m., States Restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel orchestra; 8-9, Palace hotel dance orchestra; 9-10, Walter M. Murphy Motors company; 10-11, Cabiria cafe dance orchestra.

KTAB, Oakland, Calif. (239.9m-1250kc), 4-5 p. m., club notes; 8-10, program.

KWSC, Pullman, Wash. (348.6m-860kc), 7:15 p. m., William Tweedie, violinist; Estella Williams, vocalist; Jean Fulmer, pianist; Helen Ingersoll, reader; Y. W. C. A. program.

Tuesday, May 4

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
9:30 p. m.	8:30	7:30	6:30	5:30

WHAS (399.8m-750kc), Carl Zoeller's Melodists.

10	9	8	7	6

WBAL (245.8m-1220kc), Naval academy band.
WBZ (333.1m-900kc), Polish harp music.
WGN (302.8m-990kc), "Bohemian Girl."
WHO (526m-570kc), Special music week program.

10:30	9:30	8:30	7:30	6:30

WBBM (225.4m-1330kc), Moss Covered Melodies.
WSAI (325.9m-920kc), Hawaiian musical program.

12 m.	11	10	9	8

KGO (361.2m-830kc), Eveready hour.

12:25 a. m.	11:25	10:25	9:25	8:25

KTHS (374.8m-800kc), Comedy songs.

12:45	11:45	10:45	9:45	8:45

WSB (428.3m-700kc), Evolution of Dixie.
KPO (428.3m-700kc), Gypsy and Marta.

1	12	11	10	9

KNX (336.9m-890kc), Russian string trio.

Tuesday, silent night for: CFCA, CHIC, CKNC, CNRC, CNRE, CNRM, CNRO, CNRT, CNRW, KFKX, KUOA, KFUO, KFWA, KOA, KOAC, KOB, KOWW, KUOM, KSAC, KTAB, KWSC, WABQ, WAHG, WAIU, WAMD, WBBR, WCAL, WCAP, WEMC, WGCP, WHA, WHAZ, WJAZ, WKAF, WLWL, WMAK, WMAZ, WOI, WOS, WSMB, WSUI, WTAM, WTIC.

Atlantic or Eastern Daylight Saving Time Stations

WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert; 8-11, WEAF; 10, WEAF; 11:05, Kenyon theater.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30 p. m., Snellenburg instrumental trio; 8:10, The Three Brothers; 8:15, Charles Higgins, Joe Burke, popular song writers; 9, Robert Frazer, blind gospel singer; 9:30, Radio playlet, Esther Lawrence and her players; 10, Eddie Malle and Danny Dougherty, songs; 10:30, Billy Hayes and his Cathay Tea Garden dance orchestra.

WEAF, New York, N. Y. (491.5m-610kc), 4-12 midnight, Louise Lawrence trio; Vincent Lopez and his orchestra; Nancy McCord, soprano; Marshall Bartholomew; Grand Prize Eurekas; Gold Dust Twins, Eveready hour; Vincent Lopez and his orchestra; Ross Gorman and his orchestra.

WEEI, Boston, Mass. (348.6m-860kc), 7:30 p. m., Minute Men; 8-11:30, WEAF.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra; 8-10:30, WEAF; 10:30, Vincent Lopez and his orchestra.

WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., Vincent Lopez Hotel Statler dance orchestra; 8, WEAF.

WHAR, Atlantic City, N. J. (275.1m-1090kc), 8 p. m., Seaside hotel trio.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:15 p. m., Nat Martin and his orchestra; 7, Uncle Wip's bedtime stories; Dorothy Kilbes, pianist; 8:15, Annual Commencement exercises, Combs Conservatory of Music; 9, Boy Week concert; 10:05, Emo's weekly movie talk; 10:30, El Patio dance orchestra.

WJAR, Providence, R. I. (305.9m-950kc), 7:30 p. m., musicale; 8-10, WEAF.

WJZ, New York, N. Y. (454.3m-660kc), 7 p. m., Irish Wolfhound; 8:30, Deltah Pearl hour, WRC, WGY; 9, U. S. Marine band, WRC; 10, Grand tour, "Scotland", WGY, WRC; 10:45, George Olsen's Hotel Pennsylvania Grill orchestra.

WMAK, Buffalo, N. Y. (265.3m-1130kc), 6:15-7:15 p. m., dinner music; 10:30-11:30, musical program, Beaver Products company.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Adelphia dance orchestra.

WPG, Atlantic City, N. J. (299.8m-1000kc), 6:45 p. m., Arthur Scott Brook, organist; 7, Hotel Traymore dinner music; 7:45, fashion flashes; 8, Cecile Steiner, violinist; Margaret Irwin, pianist; 9, Chalfonte-Haddon hall dual trio; 10, Katz and his kittens; 10:30, Karl Bonawitz; 11, Silver Slipper supper club dance orchestra.

WTAG, Worcester, Mass. (267.7m-1120kc), 8-8:30 p. m., WEAF; 9-10, WEAF; 10:30-11, WEAF.

Eastern Standard or Central Daylight Saving Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 8:30 p. m., sacred song half hour; 9, KDKA Little Symphony orchestra; Etta Cunningham, soprano; Chauncey Parsons, tenor; 11:35, Grand theater.

WADC, Akron, Ohio (258.5m-1160kc), 6:30 p. m., dinner concert, Carnes Richards' Hotel Portage quintet; 8, studio program; 10, Times Press hour.

WBAL, Baltimore, Md. (245.8m-1220kc), 10:30-11 p. m., recital, Peabody Conservatory of Music; Frederick D. Weaver, organist.

WBBM, Chicago, Ill. (225.4m-1330kc), 8-9:30 p. m., Alemite orchestra; Metropolitan mixed quartet; 9:30-10, Moss Covered melodies; 10-11, Harmonious hash, Howard Osborne's vanity fair orchestra; Matched-Unit quartet; 11-12 midnight, dance period.

WBZ, Springfield, Mass. (333.1m-900kc), 6:15 p. m., Hotel Kimball trio; 6:30, best papers, "Literary Values in Recent Books," Prof. Robert Emmons Rogers; 7, Greenfield Knights of Columbus glee club; 7:45, Mrs. Walter Widlansky, soprano; 8, movie club; 9, Polish harp music, Tony Rutkowski; 9:15, Elin S. Ostberg, tenor; 9:30, Alessandro Niccoli, violinist.

WCBD, Zion, Ill. (344.6m-870kc), 8 p. m., ladies' quartet; seven-piece instrumental ensemble; J. D. Thomas, soprano; duets, Mrs. Mayfield and Mrs. LaRose; Mildred Donovan, contralto; Daniel Mason, trombonist; Messrs. DePew and Rendall, flutists; Carl Newcomer, saxophonist; Josephine Taylor and Bella McCormack, pianists.

WEBH, Chicago, Ill. (370.2m-810kc), 7-8 p. m., Edgewater Beach Hotel Oriole orchestra; Kathryn Forbes; Lydia Lochner; 9:10-10, Uptown theater; 11-12:30, Gail Bandell; Syncopating Serenaders.

WGN, Chicago, Ill. (302.8m-990kc), 6:45-7:15 p. m., Blackstone string quintet, Drake concert ensemble; 8-9, WEAF; 9-10, "The Bohemian Girl"; 10-10:10, Sam 'n' Henry; 10:10-10:20, musical program; 10:20-10:40, play shop; 10:40-11, musical program, ensemble.

WGY, Schenectady, N. Y. (379.5m-790kc), 6:45 p. m., WGY orchestra; Meryl Hoke, mezzo-soprano; 7:30, WJZ; 8, WRC; 8:30, WGY orchestra; 9:30, Beaver hour, WMAK, WFBL, WHAM.

WHT, Chicago, Ill. (399.8m-750kc), 7 p. m., Al Carney, organist; 7:40, Grayling's ensemble; 7:50, Loftis Diamond quartet; 8:45-10:15, (238m-1260kc), Cinderella cafe orchestra; 10:30, (399.8m-750kc), Kitchen Klenzer entertainers; 10:50, Pat Barnes and Al Carney; 11:10, U. S. L. half hour of dance music; 12, your hour league.

WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., Chester Newman, baritone; WIBO string trio; midnight jamboree.

WJAZ, Chicago, Ill. (329.5m-910kc), 9-1 a. m., dance program, Club Chez Pierre; Earl Hoffman orchestra; Pierre revue.

WJJD, Mooseheart, Ill. (370.2m-810kc), 8-9 p. m., children; 10-11, Palmer House Victorians; Rushmore ensemble singers; 12:30, settin' up hour.

WLIB, Chicago, Ill. (302.8m-990kc), 7:15-7:20 p. m., the Million Sing; 7:20-7:30, Old Fashioned Almanack, 7:30-8, WEAF; 11-11:20, songs, Correll and Gosden, 11:20-12:30 a. m., ensemble, Charley Straight's Rendezvous cafe orchestra; Drake dance orchestra.

WLS, Chicago, Ill. (344.6m-870kc), 6:40 p. m., College Inn orchestra; 7:15, Maurie Sherman's College Inn orchestra; 7:30, Ralph Emerson, organist.

WLW, Cincinnati, Ohio (422.3-710kc), 6 p. m., Norrine Gibbons and her girl friend; 6:30, Esther Strittmetter, soprano; 7:30, piano memories, Mary Woscezek; 9, concert program; Spanish program; 10, Mary Alice Cheney, contralto; 10:30, music and moving picture description of "Tramp, Tramp, Tramp."

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Sheetz' Hotel LaSalle orchestra; 8, to be announced; 9:20, program.

WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon ensemble; Preston Graves, pianist; Margaret Conrad, violinist; Hilda Hinrichs, cellist; Genevieve Burnham, special program, operatic selections; 9-11, Trianon orchestra, Woodlawn theater orchestra; Hilda Hinrichs, cellist; Oxford Girls, harmony duo; Joe Warner, character songster; Andy Anderson.

WOK, Chicago, Ill. (217.3m-1380kc), 4:30-7 p. m., Capitol theater organ; tenor; string ensemble; 10-1:30 a. m., Tearney's Town club orchestra; Pershing Palace orchestra; Midway Garden orchestra; Capitol theater program, studio program.

WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9-10 p. m., ye olde tyme songe feste; 10-11, Van Wyck instrumental quartet.

An attractive program to be put on the air at KUOA during Music Week will be directed by Prof. Harry E. Shultz. He will present the Men's glee club quartet.

KDKA TO GIVE FAMOUS ORATORIOS

Tuesday, May 4

WORD, Batavia, Ill. (275m-1090kc), 7 p. m., Public Service company; 7:45, Bible questions; 9, LaGrange Baptist church; 11, Public Service company of Northern Illinois; Bruce Bell; 11:45, good reading.
WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., dinner concert, Ralph Williams and his Rainbo Gardens orchestra; Ambrose Wyrick, silver-toned tenor; Mabel Greist, concert violinist; Albert Heilman, concert pianist; 10-1 a. m., Ralph Williams and his Rainbo Skylarks; Jerry Sullivan, Rose Vanderbosch; Hal Lansing and his uke; popular songs; 1-2, Ginger hour, Ralph Williams and his Skylarks.
WRC, Washington, D. C. (468.5m-640kc), 7 p. m., WJZ; 7:30, U. S. Marine band, WJZ, WGY; 9, WJZ; 9:30, musicale; 10:30, Hotel Mayflower orchestra.
WRVA, Richmond, Va. (256.3m-1170kc), 11-1 a. m., Old South Negro quartet; Hotel Richmond Winter Garden orchestra.
WSAI, Cincinnati, Ohio (325.9m-920kc), 6 p. m., twilight musicale; 7, WEAF; 7:30, musicale; 8, WEAF; 9, entertainment; 9:30, Community Chest, Hawaiian musical program.
WSWS, Chicago, Ill. (275.8m-1090kc), 8 p. m., Terrace Garden orchestra; popular artists; 10, Skylark quartet; Terrace Garden five.
WTAM, Cleveland, Ohio (389.4m-770kc), 6-7 p. m., dinner music, Guy Lombardo and his Royal Canadians.
WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7, WEAF.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., dinner concert; 8:05-10:30, University of Nebraska.
KFDM, Beaumont, Tex. (315.6m-950kc), 8-10 p. m., orchestra; Southern Ramblers orchestra.
KFH, Wichita, Kan. (267.7m-1120kc), 7-8 p. m., Gage Brewers Hawaiians.
KFNF, Shenandoah, Ia. (263m-1140kc), 7 p. m., concert.
KFUO, St. Louis, Mo. (545.1m-550kc), 6:30 p. m., Bible story, "Jesus Blesses Little Children".
KLDS, Independence, Mo. (440.9m-680kc), 8 p. m., classical program; 11:59, weekly midnight program.
KMA, Shenandoah, Iowa (252m-1190kc), 9-11 p. m., May's Mandolin Musicians.
KMOX, St. Louis, Mo. (280.2m-1070kc), 6 p. m., Arthur L. Utt, Mrs. Jacque Landree; 7, Little Red Schoolhouse; 8, orchestra; 9:30, Marguerite Schmidt, pianist; 10, Colonel 6121.
KOIL, Council Bluffs, Iowa (277.6m-1080kc), 6 p. m., Wilson Doty, pianist; 6:35, Royal Fontenelle orchestra; 7:05, Bernard Holliday, pianist; Orin Miller, clarinetist; 7:35, studio program; 8, Store for Women; 11, Hotsy Totsy hour.
KPRC, Houston, Tex. (296.9m-1010kc), 7:30 p. m., dance orchestra; 8:30, novelty concert; 9, Edna Adams; Mrs. E. E. Sawyer.
KSD, St. Louis, Mo. (545.1m-550kc), 6-9:30 p. m., WEAF.
KSO, Clarinda, Ia. (241.8m-1240kc), 7 p. m., J. H. Todd orchestra.
KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:05-10 p. m., New Arlington hotel orchestra; 10, Elizabeth Bowe, pianist; 10:25-10:50, negro dialect, Al Reynolds, Mrs. Sam Stone.
KUOA, Fayetteville, Ark. (299.8m-1000kc), 8 p. m., Sigma Alpha Iota sorority.
KYW, Chicago, Ill. (535.4m-560kc), 5:30-6 p. m., Joska DeBabary's orchestra; 6-7, musicale; 7:30-8, Congress hotel studio; 9-9:30, Edison company studio; 9:30-10:30, Congress carnival.
WBAP, Fort Worth, Tex. (475.9m-630kc), 7:30-8:30 p. m., Euterpean club; 9:30-11, Parent-Teachers Council.
WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6-8 p. m., WEAF; 8, Home Brand sextet.
WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., Trianon ensemble; 11:45-1, Ted Weem's Victor Recording orchestra; Billy Adair's orchestra; Johnnie Campbell's orchestra.
WFAA, Dallas, Tex. (475.9m-630kc), 6:30-7:30 p. m., Jimmie Joy's orchestra; 8:30-9:30, Southern Methodist University faculty musical recital; bridge game; 11-12, Dallas Athletic club orchestra.
WGBF, Evansville, Ind. (236.1m-1270kc), 8 p. m., Typographical Union; 9, musicale.
WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., concert, Carl Zoeller's Melodists.
WHB, Kansas City, Mo. (365.6m-820kc), 8-9 p. m., Symphonic quintet; 9-10, musical program.
WHO, Des Moines, Ia. (526m-570kc), 7:30-8 p. m., Raleigh quintet; 8-9, special "Music Week" program; 11-12, Bankers Life Corn Sugar orchestra.
WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., concert, J. K. Morrison; 11, Britling orchestra.
WOAI, San Antonio, Texas (394.5m-760kc), 8:30 p. m., Gebhardt Mexican players.
WOAW, Omaha, Nebr. (526m-570kc), 6 p. m., Hugo Heyn, xylophonist; 6:50, Herb Feierman and his orchestra; 9, program; 10:30, Frank Hodek and his Nightingale orchestra.
WOC, Davenport, Iowa (483.6m-620kc), 6-8 p. m., WEAF.
WRR, Dallas, Texas (245.8m-1220kc), 6-7 p. m., dinner concert, Jack Gardner's orchestra; 8-9, program, Joe Montgomery.
WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., New High entertainers; 10:45, Evolution of Dixie.
WSM, Nashville, Tenn. (282.8m-1060kc), 10 p. m., dance frolic.

Mountain Standard Time Stations

KFXF, Colorado Springs, Colo. (250m-1200kc), 8:30 p. m., Mrs. Maude Sanders Faust, pianist; Mrs. E. S. Zell, soprano; Fred H. Shantz, baritone; Mrs. Daniel Thatcher, violinist.
KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Chinese Gardens dance orchestra; 8-9, Screen artists string quartet; 9-10, program, chamber of commerce in the California Redwood Tree Realm; 10-11, Packard Radio club in popular song numbers.
KFON, Long Beach, Calif. (232.4m-1280kc), 8-9 p. m., Press-Telegram studio; 9-10, Aero club frolic; 10-11, studio program; 11-12 midnight, State theater organ.
KFWB, Hollywood, Calif. (252m-1190kc), 6:30-7:30 p. m., Pontiac Six dinner hour; 8-9, program, Richard Heilman, Inc.; 9, The Little Ant Man; 9:50-10, Warner Brothers Syncopators; 10-11, Warner Brothers frolic, Bill Hatch and his Oakmont Country club orchestra.
KGO, Oakland, Calif. (361.2m-830kc), 6-6:55 p. m., twilight concert; 8-9, National Music week, Eveready program; concert orchestra; Marimba band; Flori Gough, cellist; Beatrice Benaderet, soprano; 9:10-10, instrumental trio; 10-12, dance music.
KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 10-12, dance music, Curt Kramer, soloist.
KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., Weekly visit of Queen Titania and the Radio Fairies; 8-10, Times de luxe program.
KMTR, Hollywood, Calif. (238m-1260kc), 6-7 p. m., Starr Piano company studio; 7:45-8:30, Hollywood community sing; 8:30-10:30, KMTR concert orchestra, Loren Powell, director.
KNX, Hollywood, Calif. (336.9m-890kc), 6:30-7 p. m., Atwater Kent orchestra; 7-7:45, program, Geo. E. Read, Inc.; 8-9, program, Builders' Finance association; 9-10, program, Western Auto Supply company; 10-12, Ambassador hotel dance orchestra.
KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7 p. m., States Restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel orchestra; 8-9, "Out of the West," Allen Wilson, tenor; Lucille Dreskell, soprano; 9-10, Gypsy and Marta; 10-11, Palace hotel dance orchestra.
KPSN, Pasadena, Calif. (315.6m-950kc), 8-9 p. m., Star-News concert hour, Adolf Tandler instrumental group.
KTAB, Oakland, Calif. (239.9m-1250kc), 8-9 p. m., Mills college.

This charming young lady is the staff pianist at WKAF, Milwaukee. Her name is Kathleen Clark.

Wednesday, May 5

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
8:15 p. m.	7:15	6:15	5:15	4:15

WTIC (475.9m-630kc), National Music Week program.

9	8	7	6	5

KMOX (280.2m-1070kc), Overture, Missouri theater.

10	9	8	7	6

WSB (428.3m-700kc), Shrine Chanters.

10:15	9:15	8:15	7:15	6:15

WHAS (399.8m-750kc), Kentucky choral society.
WHO (526m-570kc), Four Musketeers.

10:30	9:30	8:30	7:30	6:30

WBZ (333.1m-900kc), The Heiser "Three."

11:05	10:05	9:05	8:05	7:05

KTHS (374.8m-800kc), Spanish selections.

11:30	10:30	9:30	8:30	7:30

KFXF (249.9m-1200kc), Music club.

12 m.	11	10	9	8

WSM (282.8m-1060kc), Bohemian Music club.

Wednesday, silent night for: CHIC, CKAC, CKNC, CNRA, CNRC, CNRE, CNRM, CNRR, CNRT, CNRV, KFAU, KFXF, KGO, KLDS, KMMJ, KOB, KOIL, KPSN, KSAC, KTAB, KUOA, WABQ, WAIU, WBAL, WBAP, WBBR, WCAL, WCBD, WEBW, WFAA, WGBF, WGBS, WGCP, WHAR, WHAZ, WIP, WJAD, WJAZ, WLWL, WMC, WOAI, WOAW, WOI, WPG, WRC, WRR.

Atlantic or Eastern Daylight Saving Time Stations

CFCA, Toronto, Can. (356.9m-840kc), 9 p. m., Salvation army; 11, Gilbert Watson and his orchestra.
WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert; 8-9, WEAF; 9, Kramers' orchestra; 10, WEAF.
WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30 p. m., recital, N. Snellenburg; 8:10, Joe Murphy, pianist; 8:30, Clarence Seaman and his orchestra; 9, recital; 9:25, Ruppert and McCullough, banjoists; 9:45, songs; 10:30, Carl Zoehras, Lou Herscher, popular songs; 10:45, Frank Cook, old-time songs; 11, Artie Bittong's Cheer-Up club.
WEAF, New York, N. Y. (491.5m-610kc), 4-12 midnight, Parnassus string trio; Harmon and Zeitz, Vincent Lopez and his orchestra; Shinola Merrymakers, Gentleman of 2 in 1, Davis Saxophone octet.
WEEI, Boston, Mass. (348.6m-860kc), 7:30 p. m., Peerless tours, Joe Toye; 8-11, WEAF.
WFI, Philadelphia, Pa. (394.5m-760kc), 7 p. m., Bellevue Stratford dance orchestra.
WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., Lake City orchestra of Dunkirk; 8, WEAF; 10, Arthur Volt, featuring a vocal and violin program; 11, supper-dance music.
WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 7, Uncle Wip's bedtime stories; Rose DeNario, soprano.
WJAR, Providence, R. I. (305.9m-950kc), 7:30 p. m., WEAF; 9, musicale; 10, Tabloid play.
WJZ, New York, N. Y. (454.3m-660kc), 8 p. m., Imperial Imps; 8:30, Lewissohn Free Chamber music; 10:45, George Olsen's Pennsylvania Grill orchestra.
WLIT, Philadelphia, Pa. (394.5m-760kc), 8 p. m., Arcadia cafe concert orchestra; 8:20, recital; 9, P.R.T. concert; 10, Arcadia cafe dance orchestra.
WMAK, Buffalo, N. Y. (265.3m-1130kc), 7:30-10 p. m., musical program.
WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Sylvania dinner dance music; 8, WEAF; 9, recital; 9:35, address, Rev. Forest Dager; 10, Fox theater studio program; 10:30, Sylvania dance orchestra.
WTAG, Worcester, Mass. (267.7m-1120kc), 8-8:30 p. m., WEAF; 8:30-10, program; 10-10:30, WEAF.

Eastern Standard or Central Daylight Saving Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 8:30 p. m., Allegro mandolin sextet.
WADC, Akron, O. (285.5m-1160kc), 6:30 p. m., dinner concert, Carnes Richards' Hotel Portage quintet.
WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., WBAL dinner orchestra; 8-9, Marion McFall Kaye, soprano; George Bolek, pianist; Celia Brace, violinist; 9-10, U. S. Naval Academy band; 10-10:30, WBAL male quartet.
WBBM, Chicago, Ill. (225.4m-1330kc), 8-10 p. m., Rudy Winters, baritone; Alemite orchestra; 12-2 a. m., Alemite orchestra.
WBZ, Springfield, Mass. (333.1m-900kc), 6 p. m., Hotel Kimball trio; 6:15, Hotel Lenox ensemble; 6:30, Musical Mirth makers; 7:30, WBZ concert group; 8:30, Gibbs Piano company; 9:30, Heiser Three.
WCAP, Washington, D. C. (468.5m-640kc), 7-7:30 p. m., WEAF; 8-10, WEAF.
WEBH, Chicago, Ill. (370.2m-810kc), 7-8 p. m., Osborn's orchestra; Florence Behrend; Frank Greif, Frank Bordner; 9:15-10, Osborn's orchestra; Frank Bordner; Lawrence Salerno; 11-12:30, Oriole orchestra; Kay Ronayne, Florence Behrens.
WGHB, Clearwater, Fla. (265.3m-1130kc), 8:30-10 p. m., diversified program; Rex Dantzler, tenor; Marion Hoffman, pianist; Mrs. Carl Stevens, Ticket Holmes, novelty duettists.
WGN, Chicago, Ill. (302.8m-990kc), 6:45-7:15 p. m., Blackstone string quintet; 8-9, musical program; 9-10, May concert; 10-10:10, Sam 'n' Henry; 10:10-10:20, studio music; 10:20-11, musical program.
WGY, Schenectady, N. Y. (379.5m-790kc), 6:35 p. m., Hotel Onondaga orchestra, WFBL; 7:30, Eastman theater orchestra, WHAM; 8:05, musical program, Rochester, WHAM.
WHT, Chicago, Ill. (399.8m-750kc), 7 p. m., Bernice Taylor, soprano; Edwin Kemp, tenor; 7:20, Borden organ recital; 8, Ray-O-Vac concert; 8:45-11:40, (238m-1260kc), Cinderella cafe orchestra; 12, (399.8m-750kc), your hour league.

Ross Alexander, baritone, appears during the Repertory theater programs at WBZ, Springfield. These programs are popular with fans. Photo, Boris.

WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., Dorothy Rae, soprano; Charles Champlin, baritone; 10-12 midnight, popular program.
WJAZ, Chicago, Ill. (329.5m-910kc), 9-1 a. m., opera club.
WJJD, Mooseheart, Ill. (370.2m-810kc), 8-9 p. m., Mooseheart children; 10-11, Palmer House Victorians; Isabel Defaut; Simeon Oliver; 12:30, settin' up hour.
WLIB, Chicago, Ill. (302.8m-990kc), 7:20-7:30 p. m., Old Fashioned Almanack; 11-11:20, songs, Correll and Gosden; 11:20-12:30 a. m., ensemble, Charley Straight's Rendezvous cafe orchestra; Drake hotel dance orchestra.
WLS, Chicago, Ill. (344.6m-870kc), 6:40 p. m., Maurie Sherman's College Inn orchestra; 7:30, Ralph Emerson, organist; 8, popular music; 9, WLS trio; 10, popular music; 11-1, WLS circus.
WLW, Cincinnati, O. (422.3m-710kc), 7 p. m., Hotel Gibson concert orchestra; 7:40, Gibson orchestra; 8, songs, Bertha Paszty; 8:15, College of Music orchestra, soloists; 9:45, poems, Louis John Johnen; 10, Thoroughbred entertainment; 11, Cincinnati Post program.
WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater program; 6:30, Sheetz' Hotel LaSalle orchestra; 8:55, WMAQ players.
WOK, Chicago, Ill. (217.3m-1380kc), 4:30-7 p. m., Capitol theater organ; studio program; Tip-Top Inn string ensemble; 10-1:30 a. m., Tearney's Town club orchestra; Pershing Palace orchestra; Midway Garden orchestra; Capitol theater program.
WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9-11 p. m., 16-Fingered Paul; Moke Marrin, Helen Neuman, Sid Goldman, Jim Forshey, Ruth Glaser, Pearl Knudson.
WORD, Batavia, Ill. (275m-1090kc), 7 p. m., North Shore line; 9, Webster hotel trio orchestra; 9:20, lecture.
WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Ralph Williams and his Rainbo Gardens concert orchestra; Ambrose Wyrick, tenor; Mabel Griest, violinist; Albert Heilman, pianist; 10-1 a. m., Ralph Williams and his Rainbo Skylarks; Melodians; Joe Warner, Oxford Girls, Gail Bandeil; artists; 1-2, Ginger hour.
WRVA, Richmond, Va. (256.3m-1170kc), 9:15 p. m., F. Flaxington Harker, organist; 10:15-12:15, two hour program.
WSAI, Cincinnati, Ohio (325.9m-920kc), 6:45 p. m., chimes; 7, WEAF; 7:30-8, WEAF; 10:15, Congress Playing card string quartet.
WSWS, Chicago, Ill. (275.8m-1090kc), 8 p. m., Ray Dean; Terrace Garden orchestra; Tennessee Ginger Snaps; 10, Ruby Rossiena; Dave Darcie; Terrace Garden Five.
WTAM, Cleveland, Ohio (389.4m-770kc), 6-7 p. m., dinner music, Carl Rupp and his Hotel Hollenden orchestra; 8-11, Public Auditorium program; 11-1 a. m., dance music, Guy Lombardo and his Royal Canadians.
WTIC, Hartford, Conn. (475.9m-630kc), 7:15 p. m., national music week; 9:15, Laura C. Gaudet, pianist, 9:30, Esther A. Nelson, organist.
WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7, WEAF; 7:30, orchestra; 8, WEAF; 9, WEAF.

Central Standard Time Stations

CNRW, Winnipeg, Can. (384.4m-780kc), 9 p. m., marimbaphone duet, Mulhearn Brothers; Marion Brown, vocalist; Evelino Wildgoose, pianist; Hazel Mills, soprano; 10, Fort Garry hotel orchestra.
KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., dinner concert; 8:30-10:30, Harriet Cruise, Oriole of the Air; Mike Kopac, King of the Ivorics; Gloomy Gus; Harmony Boys.
KFH, Wichita, Kan. (267.7m-1120kc), 7-8 p. m., classical concert.
KFKX, Hastings, Nebr. (288.3m-1040kc), 9-11 p. m., Lincoln program.
KFNF, Shenandoah, Ia. (263m-1140kc), 7 p. m., Henry Field Seed company.
KFUO, St. Louis, Mo. (545.1m-550kc), 9:15 p. m., question box; "What Chance Has the 'Moral Man' for Heaven?" Prof. P. Kretzmann; band concert.
KMA, Shenandoah, Iowa (252m-1190kc), 9-11 p. m., popular musical program, singing and clogging, Bob and Babe Riddle; songs, Willy Cunningham.
KMOX, St. Louis, Mo. (280.2m-1070kc), 6 p. m., Arthur L. Utt, Mrs. Jacque Landree; 7, Missouri theater; Albert Tucker, violinist; 8, orchestra; Marguerite Schmidt, pianist; Mildred Doland, soprano; 9, orchestra; Elizabeth Cueny, narrator; 10, orchestra.
KOIL, Council Bluffs, Iowa (277.6m-1080kc), 6 p. m., Mona Motor Oil entertainers; 6:35, Art Marr's Imperial dance orchestra; 7:30, program, Schmoller and Mueller Piano company; 11, Hotsy Totsy hour.
KPRC, Houston, Tex. (296.9m-1010kc), 6:30 p. m., Harold Oxley's Warwick Hotel orchestra; 7:30, Jack Willrich's orchestra; Virginia Willrich, piano accordionist, 8:30, Frank Tilton, blind boy pianist; 10:30, Vaughan's Virginians.
KSD, St. Louis, Mo. (545.1m-550kc), 6 p. m., WEAF; 6:30, Hotel Statler orchestra; 7, WEAF.
KSO, Clarinda, Iowa (241.8m-1240kc), 7 p. m., Duncan Sisters; 7:30, Merry Seven orchestra.
KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:05-9:45 p. m., Spanish selections; 9:45-10, Lawson Reid, organist; 10-10:45, Southerners orchestra.
KYW, Chicago, Ill. (535.4m-560kc), 5:30-6 p. m., Joska DeBabary and his orchestra; 6-7, musicale; 8-9:30, Edison company studio; 9:30-10:30, Congress carnival.
WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6-8 p. m., WEAF; 8, church service; 9, Nash-Finch concert orchestra; 10:05, Wallie Erickson's Coliseum orchestra; 11:30, Eddie Dunstedter, organist.
WCOA, Pensacola, Fla. (222m-1350kc), 7 p. m., string quartet; C. M. Kelly, vocalist; Michael DiLustro, tenor; Olga Barnes, reader; Willie Ida Thomason, violinist; Howland trio, harmonica, violin, banjo and uke selections.
WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., Trianon ensemble; 8-9, classical music; 9-10, WEAF, 11:15-1, Plantation Grill studio.
WEMC, Berrien Springs, Mich. (285.5m-1050kc), 8:15 p. m., H. Edwards, bass; Agnes Sorenson, pianist; Dowagiac High School orchestra.
WHAS, Louisville, Ky. (399.8m-750kc), 7:30-8:15 p. m., Reynolds-Kent Hotel Kentucky orchestra; 8:15-10:45, Kentucky choral society, 250 voices, orchestra.
WHB, Kansas City, Mo. (365.6m-820kc), 7-8 p. m., popular songs, Bert Beuder; Zelma Maddock, pianist; 10:30-11:30, midweek musicale.
WHO, Des Moines, Ia. (526m-570kc), 6-7 p. m., Bankers' Life Little symphonic orchestra; 7:15-8:15, Irene Doran and her Little symphony orchestra; 8:15-9, special "Music Week" program; Dr. and Mrs. Hurd, Hawaiian guitar artists; Four Musketeers; 9-12, dance programs.
WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon duo; Eleanor Kaplan, violinist; Arvid Anderson, baritone; Preston Graves, pianist; Monte Blum, tenor, request program; 9-11, Trianon orchestra; Woodlawn theater orchestra; request numbers, favorite stars.
WOAI, San Antonio, Tex. (394.5m-760kc), 8:30 p. m., Army night, Ft. Sam Houston.
WOC, Davenport, Iowa (483.6m-620kc), 6-6:30 p. m., WEAF; 9-10, Erwin Swindell, organist.
WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., Shrine Chanters; 10:15, Brenau college artists.
WSM, Nashville, Tenn. (282.9m-1060kc), 7 p. m., Beasley Smith's concert orchestra; 8, Vito Pellettieri's orchestra; 10, Frances Bohannon music club.
WSMB, New Orleans, La. (319m-940kc), 9:30-11:30 p. m., Mrs. Myer Prince and artists.
WSUI, Iowa City, Iowa (483.6m-620kc), 8:30 p. m., readings.

Mountain Standard Time Stations

KFWA, Ogden, Utah (260.7m-1150kc), 9-10 p. m., Olie Reeves and his orchestra; 10-11, Paramount theater program; 11-12 midnight, Olie Reeves and his orchestra.
KFXF, Colorado Springs, Colo. (250m-1200kc), 8:30 p. m., Colorado Springs Music club; American Music society.
KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra; 8, Scheuerman's Colorado orchestra; 8:15, Albert Sechrist Mfg. company; KOA

Wednesday, May 5

orchestra; instrumental trio; Agnes Clark Glaister, soprano; Edward Wolters, baritone; Della Hoover Francis, violinist; 10-12, Broadmoor Rhythm Rustlers.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-7:30 p. m., Grebe Synchrophase string ensemble; 7:30-8, Nick Harris' detective story; 8-9, program, Ventura Refining company; 9-10, program, A. V. Shotwell Corp.; 10-11, program of dance and popular songs.

KFON, Long Beach, Calif. (232.4m-1280kc), 7-8 p. m., Studio program; 8-9, Press-Telegram studio; 9-10, Prizma hour; 10-11, Oriole dance orchestra.

KFWB, Hollywood, Calif. (252m-1190kc), 6:30-7:30 p. m., Pontiac six dinner hour; Dr. H. S. Marshutz; 8-9, Sphinx Motor Oil company; 9-10, program, Pacific Development company; 10-10:30, Mutual Motors Mirth contest; 10:30-11:30, Warner Brothers frolic.

KGO, Oakland, Calif. (361.2m-830kc), 6-6:55 p .m., Brokaw and orchestra.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-9, concert; 9-10, vocal and instrumental music; 10-11, concert, Sherman, Clay and company.

KHJ, Los Angeles, Calif. (405.2m-740kc), 7-7:30 p. m., Boys' Week program; 8-10, Artland club program, Zoellner string quartet.

KMTR, Hollywood, Calif. (238m-1260kc), 6-7 p. m., Radio Press Agent; 7-8, L. A. Railway orchestra; 8-10, KMTR concert orchestra; Dan Gridley, tenor; 10-11, Starr Piano company studio.

KNX, Hollywood, Calif. (336.9m-890kc), 6:30-7 p. m., Atwater Kent orchestra; 7-8, program, Hoyt Water Heater company; 8-9, program, Security Trust & Savings bank; 9-10, Motor Transit stages program; 10-11, studio program; 11-12, Ambassador hotel dance orchestra.

KOAC, Corvallis, Ore. (280.2m-1070kc), 7:20 p. m., piano solos.

KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7 p. m., States Restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel orchestra; 8-9, Atwater Kent artists; 9-10, Goodrich Silvertown Cord orchestra; 10-11, States Restaurant orchestra.

KTAB, Oakland, Calif. (239.9m-1250kc), 8-10 p. m., program.

KWSC, Pullman, Wash. (348.6m-860kc), 7:15 p. m., Kiwanis club.

Thursday, May 6

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
9 p. m.	8	7	6	5
KFNF (263m-1140kc), Old-time music.				
9:30	8:30	7:30	6:30	5:30
WHAS (399.8m-750kc), Elks' band.				
10	9	8	7	6
KDKA (309.1m-970kc), Old Fashioned quartet.				
10:30	9:30	8:30	7:30	6:30
KPRC (296.9m-1010kc), Wendell Hall.				
10:45	9:45	8:45	7:45	6:45
WLW (422.3m-710kc), Excerpts from "Rigoletto," and "The Two Orphans."				
11:05	10:05	9:05	8:05	7:05
KTHS (374.8m-800kc), French harp.				
12 m.	11	10	9	8
KGO (361.2m-830kc), "Where the Rainbow Ends," play. "Lobster a la Newberg," play.				
KGW (491.5m-610kc), Vaudeville, Boys of "66."				
1 a. m.	12	11	10	9
WBAP (475.9m-630kc), "A Step On the Stairs," mystery serial.				
KNX (336.9m-890kc), Wisecracker's club.				
1:30	12:30	11:30	10:30	9:30
WBAP (475.9m-630kc), Spiritual singers.				

Thursday, silent night for: CHIC, CKNC, CNRA, CNRE, CNRO, CNRR, CNRT, CNRV, CNRW, KFAB, KFAU, KFMX, KFOA, KFUO, KFWA, KLX, KMOX, KOA, KOAC, KOB, KSAC, KWSC, PWX, WABQ, WAFD, WAHG, WAIU, WCAP, WCEE, WDOD, WEAO, WEBJ, WEBW, WEMC, WGFB, WHA, WHAD, WHAZ, WJJD, WMAK, WMAZ, WNAD, WOOD, WOR, WOS, WSM, WSUI, WTAM.

Atlantic or Eastern Daylight Saving Time Stations

CFCA, Toronto, Can. (356.9m-840kc), 8:30 p. m., Clement Hambourg, pianist; William Hardiman, violinist.

WBBR, New York, N. Y. (272.6m-1100kc), 8 p. m., Carl Park, violinist; Fred Twaroschk, tenor.

WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert; 8, concert; 8:30, WEAF; 9, WEAF; 10, WEAF.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:30 p. m., Billy Hayes and his Cathay Tea Garden dance orchestra; 8, The Eight Bright Boys; 8:30, Virginia Klein, pianist; 8:45, The Kandy Kids; 9, Barry O'-Moore, Irish tenor; 9:30, The Musical Chefs; 9:45, comedy lesson; 10, Sesquicentennial hour; 11, dance orchestra; 11:30, revue.

WEAF, New York, N. Y. (491.5m-610kc), 4-12 midnight, Lillian Peddrick Schell, violinist; Edna Fields, contralto; Vincent Lopez and his orchestra; Vlado Kolisch, violinist; Hires Harvesters, Cliquot Club Eskimos; Silvertown Cord orchestra; Vincent Lopez and his orchestra.

WEEI, Boston, Mass. (348.6m-860kc), 7:30 p. m., musicale; 8-11, WEAF.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra; 8-11, WEAF.

WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., Vincent Lopez Hotel Statler dance orchestra; 8, WEAF.

WHAR, Atlantic City, N. J. (275.1m-1090kc), 8 p. m., Seaside hotel trio; 9, concert; 9, studio concert; 11, Follies Bergere dance orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; scores; 7, Dolores Arnade, piaist; 8:15, Golden Slipper Square club banquet; 10:05, Nat Martin's orchestra.

WJAR, Providence, R. I. (305.9m-950kc), 8 p. m., Hudson-Essex orchestra; 9-11, WEAF.

WJZ, New York, N. Y. (454.3m-660kc), 7 p. m., Hotel Vanderbilt orchestra; 7:30, Judge, Jr.; 8:30, Voice of the silent drama, "Sweet Daddies", WRC; 9, Royal Typewriter salon orchestra, WRC, WGY, WCAD; 10, Record Boys, WRC; 10:30, Freddie Rich's Hotel Astor Orangerie orchestra.

WMAK, Buffalo, N. Y. (265.3m-1130kc), 6:15-7:15 p. m., dinner music; 7:30, Humphrey Sisters.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Adelphia dance orchestra.

WPG, Atlantic City, N. J. (299.8m-1000kc), 6:45 p. m., Arthur Scott Brook, organist; 7, Hotel Morton dinner music; 8, Wildwood Baptist choral society; 9, Hotel Traymore concert orchestra; 10, Blackman's dance orchestra; 10:30, Katz and his Kittens; 11, Eddie McKnight's dance orchestra.

WTAG, Worcester, Mass. (267.7m-1120kc), 8-8:30 p. m., program; 9-10, WEAF; 10-11, WEAF.

Eastern Standard or Central Daylight Saving Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 8:30 p. m., Carl Maria Von Weber, KDKA Little symphony; 9, Old Fashioned quartet; 11, concert.

WADC, Akron, Ohio (258.5m-1160kc), 6:30 p. m., dinner concert, Carnes Richards' Hotel Portage quintet, 8, Grolbert Sheet Metal and Heating company; 10, WEAF.

WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., WBAL dinner orchestra; 8-10, Henriette Ries Kern, soprano; Morris Cromer, baritone; Frederick H. Gottlieb, flutist; Minnie Faber, pianist; Ruth Truitt, violinist; 10-11, Michael Weiner's ensemble.

WBBM, Chicago, Ill. (225.4m-1330kc), 8-10 p. m., Dress parade of popular music, Alemite orchestra; Ruby Rosina, Vic Fredericks, air comedian; 10-10:30, Moss Covered Melody period; 10:30-11, Howard Osborne's Vanity Fair orchestra; Alemite orchestra; Ruby Rosina, Maurice Silverman, tenor; Metropolitan mixed quartet; 11-12 midnight, dance period.

WBZ, Springfield, Mass. (333.1m-900kc), 6 p. m., Hotel Kimball trio; 6:30, Hotel Lenox ensemble; 6:45, M. A. C. Radio forum; 7, William Russell, banjoist; Esther G. Gettinger, soprano; Francis G. Loury, pianist; 8, Madame Blanche Archambault, soprano; 8:30, Arthur Clifton, organist; 9:30, Cook's Butterfly ballroom.

WCBD, Zion, Ill. (344.6m-870kc), 8 p. m., Zion band, male quartet; Esther Wiedman, soprano; M. P. Barton, tenor; J. D. Thomas, baritone.

WEBH, Chicago, Ill. (370.2m-810kc), 7 p. m., special recital; 9:15, Oriole orchestra; Ruth Buhl Flick, reader; Dorothy Herman Blum; 11-12:30, Oriole orchestra; Pat Ward; Rita McFawn, Mary Bieber.

WGN, Chicago, Ill. (302.8m-990kc), 6:45-7 p. m., Drake concert ensemble; 8-9, WEAF; 9-10, WEAF; 10-10:10, Sam 'n' Henry; 10:10-10:20, musical program; 10:20-10:40, play shop; 10:40-11, ensemble.

WGY, Schenectady, N. Y. (379.5m-790kc), 6:45 p. m., Syracuse university program; 8, WJZ; 9, WGY orchestra; Gladys Lewis, soprano; 10:30, Stephen E. Boisclair, organist.

WHT, Chicago, Ill. (399.8m-750kc), 7 p. m., Al Carney, organist; 7:30, Grayling's ensemble; May Gartin, contralto; 8:45-10:15 (238m-1260kc), Cinderella cafe orchestra; 10:30 (399.8m-750kc), Kitchen Klenzer klassics; 11:10, U. S. L. entertainers; 12 midnight, your league.

WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., dinner concert; 12 midnight, jamboree.

WJAZ, Chicago, Ill. (329.5m-910kc), 9-12 mid., Spanish Garden Studio; Franz Wagner, cellist; Bernice Yanacek, pianist, and Dorris Irene Berry, contralto; Harriet Hertz Seyl, soprano; Ralph Mitten, chimes; Lynn Sackett, tenor, and Rose Kutta, soprano.

WLIB, Chicago, Ill. (302.8m-990kc), 7-7:05 p. m., The Million Sing; 7:05-7:15, The Old Fashioned Almanack; 7:15-8, WEAF; 11-11:20, Correll and Gosden; 11:20-12:30 a. m., ensemble; Charley Straight's Rendezvous cafe orchestra; Drake hotel dance orchestra.

WLS, Chicago, Ill. (344.6m-870kc), 7:15 p. m., College Inn orchestra; 7:30, Ralph Emerson, organist.

WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., dinner concert, Hotel Gibson orchestra; 8, program. Sigma Alpha Iota sorority; 9, accordion duets, Adolph and Eleanor Hedlund; 9:30, Margaret Finn, pianist; 9:45, scenes from "The Two Orphans" and "Rigoletto"; 10:03, popular concert, Doherty Melody boys; 10:40, Irene Downing and "Sentimental" Tommy Reynolds; 11, popular organ recital, Johanna Grosse; 11:30, Castle Farm dance music; 12:15 a. m., Night Howls, Crosley Sky Terriers.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Hotel La Salle orchestra; 9:20, to be announced.

WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon ensemble; Hilda Hinrichs, cellist; Margaret Conrad, violinist; Preston Graves, pianist; Swedish music program; 9-11, Trianon orchestra; Woodlawn theater orchestra; ensemble; Bob Duffy, Clinton Keithley, Bob Smith, violin and celeste novelties, popular program.

WOK, Chicago, Ill. (217.3m-1380kc), 4:30-7 p. m., Capitol theater organ; Tip-Top Inn string ensemble; 10-1:30 a. m., Tearney's Town club orchestra; Carl Lorraine's Pershing Palace orchestra; Midway Garden orchestra; Capitol theater program.

WORD, Batavia, Ill. (275m-1090kc), 8 p. m., Webster hotel concert trio; 8:35, Cosmopolitan school of music.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Ralph Williams and his Rainbo Garden concert orchestra; Ambrose Wyrick, tenor; Mabel Griest, concert violinist; Albert Heilman, pianist; 10-1 a. m., Ralph Williams and his Rainbo Skylarks; Rose Vanderbosch, pianist and soprano; Hal Lansing, Bert Davis, artists; 12, Ginger hour.

WRC, Washington, D. C. (468.5m-640kc), 7 p. m., New Willard hotel orchestra; 7:30, WJZ; 8, WJZ; 9:20, WJZ; 10:30, Meyer Davis' Le Paradis band.

WRVA, Richmond, Va. (256.3m-1170kc), 9 p. m., negro chorus; 10:30-11:30, orchestra and soloists.

WSAI, Cincinnati, Ohio (325.9m-920kc), 7 p. m., WEAF; 7:15-10, WEAF.

WSWS, Chicago, Ill. (275.8m-1090kc), 7 p. m., orchestra; 10-12 midnight, Rocky Mt. male quartet; Terrace Garden Five; Alfred Holmes, ballads.

WTAM, Cleveland, Ohio (389.4m-770kc), 6-7 p. m., Austin Wylie's orchestra.

WTIC, Hartford, Conn. (475.9m-630kc), 7:15 p. m., national music week.

WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7, WEAF.

Central Standard Time Stations

KFH, Wichita, Kans. (267.7m-1120kc), 7-8 p. m., American Legion quartet.

KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., old-time music.

KLDS, Independence, Mo. (440.9m-680kc), 8 p. m., E. N. Brinkman, baritone; Mrs. E. N. Brinkman, contralto; George Howerton, organist; Caroline Schmidt, violinist.

KMA, Shenandoah, Iowa (252m-1190kc), 9-11 p. m., Delmonico Dreamers' orchestra.

KPRC, Houston, Texas (296.9m-1010kc), 7:30 p. m., Harry Kobusch and his orchestra; 8:30, Wendell Hall; 9, Southern Pacific Lines glee club.

KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., WEAF; 8, WEAF.

KSO, Clarinda, Iowa (241.8m-1240kc), 7 p. m., Baker and Anderson Harmony team; 8, Municipal band.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:05 p. m., William M. Hinton, harpist; 9:25, New Arlington hotel orchestra; 10:30-10:45, Joe Kuntz, accordionist.

KUOA, Fayetteville, Ark. (299.8m-1000kc), 8:30 p. m., Mrs. O. O. Yarrington, soprano.

KYW, Chicago, Ill. (535.4m-560kc), 5:30 p. m., Congress hotel; 6, musicale; 7-8, Congress hotel; 8-9:30, Edison company studio; 9:30-10:30, Congress carnival.

WBAP, Fort Worth, Texas (475.9m-630kc), 7:30-8:30 p. m., Davis Baking Powder saxophone octet; 9:30-11, Harmony club; 11, "A Step On the Stairs"; 11:30, Spiritual singers.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 7 p. m., WEAF; 9, Worch's Justrite Boys.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., Trianon ensemble; 11:45-1 a. m., Ted Weems' Victor Recording orchestra; Billy Adair's orchestra; Johnnie Campbell's orchestra.

WFAA, Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m., Jimmie Joy's orchestra; 8:30-9:30, Little symphony orchestra.

WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., Elks' band.

WHB, Kansas City, Mo. (365.6m-820kc), 8-9 p. m., Jerry Hall, Ralph Foster; 9-10, male quartet.

WHO, Des Moines, Iowa (526m-570kc), 7:30-8 p. m., Raleigh quintet; 8-9, Bankers Life trio; 11-12 midnight, Bankers Life Corn Sugar orchestra.

WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Hotel Gayoso orchestra.

WOAI, San Antonio, Texas (394.5m-760kc), 8:30 p. m., Mistletoe Melody Maids.

WOAW, Omaha, Nebr. (526m-570kc), 6 p. m., organ recital; 6:50, Randall's Royal Fontenelle orchestra; 9, Sunshine program; 10:30, Frank Hodek and his Nightingale orchestra.

WOC, Davenport, Iowa (483.6m-620kc), 6-9 p. m., WEAF; 9-9:30, Moline Plowboys.

WOI, Ames, Iowa (270m-1110kc), 7:50 p. m., group of children's songs, Prof. Tolbert MacRae.

WRR, Dallas, Texas (245.8m-1220kc), 6-7 p. m., Jack Gardner's orchestra; 8-9, Elena Munster, soprano, Kathryn Kennedy, contralto; artists; 11-12 midnight, program, Dyo corporation; Dr. Fred Freeland, pianist.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., entertainment; 10:45, Dr. Charles A. Sheldon, organist.

WSMB, New Orleans, La. (319m-940kc), 9:30-12 midnight, Schilling's orchestra; Radio Revelers, Liberty theater orchestra, dance program.

Mountain Standard Time Stations

CNRC, Calgary, Can. (435.8m-688kc), 9 p. m., orchestra; Wedgewood Robinson, tenor; Gladys Webb Foster, violinist; Christine Beerling, pianist.

KFXF, Colorado Springs, Colo. (250m-1200kc), 9 p. m., College of Music.

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., program, students of U. of Southern California; 8-9, comic opera program; 9-10, program of classical nature; 10-11, Patrick-Marsh dance orchestra, Betty Patrick, soloist.

KFON, Long Beach, Calif. (232.4m-1280kc), 7 p. m., Spanish lesson; 7:30-9, Municipal band; 9-10, studio program; 10-11, Lake club orchestra; 11-12 midnight, State theater organ.

KFWB, Hollywood, Calif. (252m-1190kc), 6:30-7:30 p. m., Pontiac Six dinner hour; 7:30-8, program, Dell's Ice Cream; 8-9, program, Phillips and Hambaugh with Frazier Mountain Park orchestra; 9-10, program, Dell's Ice Cream; 10-11, Warner Brothers frolic.

KGO, Oakland, Calif. (361.2m-830kc), 8 p. m., "Where the Rainbow Ends," 3-act play, KGO players, Arion trio; "Lobster a La Newberg," 1-act play, Arion trio; 10-1 a. m., dance music, Brokaw and orchestra.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-10, vaudeville program; Ebony and Ivory, piano duettists; Luke's Flower girls; 10-12 midnight, dance music, Cole McElroy's orchestra.

KHJ, Los Angeles, Calif. (405.2m-740kc), 8-10 p. m., Times tower studio, feature program.

KMTR, Hollywood, Calif. (238m-1260kc), 6-7 p. m., Starr Piano company studio; 8-10, KMTR concert orchestra.

KNX, Hollywood, Calif. (336.9m-890kc), 6:30-7 p. m., Atwater Kent orchestra; 7-8, program, H. L. Crockett Motor company; 8-9, program for Willys-Overland dealers; 9-10, The Wisecrackers club, Duke and the Count, Radio's Noblemen; 10-11, studio program; 11-12 midnight, Ambassador hotel dance orchestra.

KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7 p. m., States Restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel orchestra; 8-9, KPO string quartet; 9-10, Pacific musical society; 10-11, Cabiria cafe dance orchestra.

KPSN, Pasadena, Calif. (315.6m-950kc), 8-9 p. m., Pasadena Chamber of Commerce.

KTAB, Oakland, Calif. (239.9m-1250kc), 8-10 p. m., music.

GENERAL TALKS AND SPEECHES

Saturday, May 1

Atlantic	Eastern	Central	Mountain	Pacific
8:45 p. m.	7:45	6:45	5:45	4:45
WRC (468.5m-640kc), "The Work of Congress."				
10	9	8	7	6
WCCO (416.4m-720kc), "Fireside Philosophies," Rev. Roy L. Smith.				

Monday, May 3

Atlantic	Eastern	Central	Mountain	Pacific
8 p. m.	7	6	5	4
WDAF (365.6m-820kc), Address, Edgar A. Linton.				
12:25	11:25	10:25	9:25	8:25
KGO (361.2m-830kc), "Chats About New Books," Joseph Henry Jackson.				

Tuesday, May 4

Atlantic	Eastern	Central	Mountain	Pacific
9 p. m.	8	7	6	5
WLW (422.3m-710kc), "Aeronautics, U. S. Air Service."				
7:30	6:30	5:30	4:30	3:30
WHAR (275.1m-1090kc), "Glimpses Through the Stage Door," Mort Eiseman.				
7:35	6:35	5:35	4:35	3:35
WGY (379.5m-790kc), "Greek Government," Prof. Harrison O. Coffin.				
11	10	9	8	7
WMAQ (447.5m-670kc), Book talk, Harry Hanson.				
11:30	10:30	9:30	8:30	7:30
WCCO (416.4m-720kc), "Outdoors in Minnesota."				
1 a. m.	12	11	10	9
KGO (361.2m-830kc), "Wonders of the Sky," Henry M. Hyde.				

Wednesday, May 5

Atlantic	Eastern	Central	Mountain	Pacific
8 p. m.	7	6	5	4
WTIC (475.9m-630kc), "French Minds Seen Thru French Literature," Prof. Bussom.				
9:30	8:30	7:30	6:30	5:30
WLW (422.3m-710kc), "Why We Need a Federal Blue Sky Law," Reed W. Windgardner.				
11:15	10:15	9:15	8:15	7:15
KWSC (348.6m-860kc), Book review, Alice Lindsay Webb.				
12	11	10	9	8
KOAC (280.2m-1070kc), "Oregon—A Wonderland."				

Thursday, May 6

Atlantic	Eastern	Central	Mountain	Pacific
7:30 p. m.	6:30	5:30	4:30	3:30
WHAR (275.1m-1090kc), "Historical Facts," Harry M. Haeberly, Jr.				
7:35	6:35	5:35	4:35	3:35
WTIC (475.9m-630kc), Astronomy.				
10	9	8	7	6
WRC (468.5m-640kc), "Political Situation in Washington Tonight," Frederic W. Wile.				
1 a. m.	12	11	10	9
KGO (361.2m-830kc), "Wonders of the Sky," Henry M. Hyde.				

Friday, May 7

Atlantic	Eastern	Central	Mountain	Pacific
8 p. m.	7	6	5	4
WOAW (526m-570kc), Music review, Hester Bronson Copper.				
8:45	7:45	6:45	5:45	4:45
WGR (319m-940kc), Joint Charities address.				
9:30	8:30	7:30	6:30	5:30
WCAL (336.9m-890kc), Book talk, Dr. George Weida Spohn.				
11:30	10:30	9:30	8:30	7:30
KHJ (405.2m-740kc), "Romance of Santa Fe Trail," Gladys De Witt.				
11:15	10:15	9:15	8:15	7:15
KHJ (405.2m-740kc), "Los Angeles to Paris, 1940," W. D. Waterman.				

Saturday, May 8

Atlantic	Eastern	Central	Mountain	Pacific
8 p. m.	7	6	5	4
WDAF (365.6m-820kc), Educational series.				
8:45	7:45	6:45	5:45	4:45
WRC (468.5m-640kc), "The Work of Congress."				
8:30	7:30	6:30	5:30	4:30
WGY (379.5m-790kc), "Opening Yosemite National Park to Year 'Round Auto Travel," Col. Charles A. Simmons.				

Monday, May 10

Atlantic	Eastern	Central	Mountain	Pacific
8 p. m.	7	6	5	4
WDAF (365.6m-820kc), Address, Edgar A. Linton.				
12:25	11:25	10:25	9:25	8:25
KGO (361.2m-830kc), "Chats About New Books," Joseph Henry Jackson.				

Tuesday, May 11

Atlantic	Eastern	Central	Mountain	Pacific
9 p. m.	8	7	6	5
WLW (422.3m-710kc), "Aeronautics, U. S. Air Service."				
11	10	9	8	7
WMAQ (447.5m-670kc), Book talk, Harry Hanson.				
WOC (483.6m-620kc), Travel talk.				
11:30	10:30	9:30	8:30	7:30
WCCO (416.4m-720kc), "Outdoors in Minnesota."				

Wednesday, May 12

Atlantic	Eastern	Central	Mountain	Pacific
11:30p.m.	10:30	9:30	8:30	7:30
KWSC (348.6m-860kc), Book review, Alice Lindsay Webb.				

Thursday, May 13

Atlantic	Eastern	Central	Mountain	Pacific
1 a. m.	12	11	10	9
KGO (361.2m-830kc), "Wonders of the Sky," Henry M. Hyde.				

Friday, May 14

Atlantic	Eastern	Central	Mountain	Pacific
8 p. m.	7	6	5	4
WOAW (526m-570kc), Music review, Hester Bronson Copper.				
11:30	10:30	9:30	8:30	7:30
KHJ (405.2m-740kc), "Romance of Santa Fe Trail," Gladys De Witt.				

Friday, May 7

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
2:30 p. m.	1:30	12:30	11:30	10:30
KPRC (296.9m-1010kc), Wendell Hall.				
8:30	7:30	6:30	5:30	4:30
WLIT (394.5m-760kc), Mentopine Minstrels.				
9	8	7	6	5
WCAE (461.3m-650kc), Mozart choir.				
WJZ (454.3m-660kc), WGY (379.5m-790kc), Baldwin hour.				
9:30	8:30	7:30	6:30	5:30
KSD (545.1m-550kc), Commerce hour.				
10	9	8	7	6
WLS (344.6m-870kc), Young American artists' series.				
WTIC (475.9m-630kc), Coast Guard band concert.				
10:30	9:30	8:30	7:30	6:30
KFAB (340.7m-880kc), Harmony Six.				
WBZ (333.1m-900kc), Orange night.				
WGR (319m-940kc), Piano-accordion program.				
WGY (379.5m-790kc), Anniversary program.				
11:05	10:05	9:05	8:05	7:05
KTHS (374.8m-800kc), Italian folk songs.				
11:15	10:15	9:15	8:15	7:15
KOA (322.4m-930kc), Miles High trio.				
12:30 a. m.	11:30	10:30	9:30	8:30
WOC (483.6m-620kc), "A Step On the Stairs," mystery serial.				

Friday, silent night for: CFAC, CHIC, CKAC, CKNC, CKY, CNRC, CNRM, CNRO, CNRR, CNRW, KFAU, KFWA, KFXF, KLDS, KPRC, KPSN, KSAC, KUOA, KUOM, PWX, WBBR, WCAD, WCBD, WEAO, WEBW, WGBS, WGST, WHAZ, WIP, WJAZ, WKRC, WLW, WLWL, WMAK, WNAD, WRC, WREO, WRVA, WSAI, WSMB, WSUI, WTAM.

Atlantic or Eastern Daylight Saving Time Stations

WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert; 8, Mozart choir; 9:30, WEAF; 10:30, WEAF.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:45 p. m., Clarence Seaman and his orchestra; 7:30, Snellenburg instrumental trio; 8, Aresoni, operatic tenor; 8:15, chiropractic talk; 8:30, the singing groundhog; 8:45, The Bryan Girl; 9, Regina Crooners; 9:15, Dwight Strickland, poetician; 9:30, melody orchestra; 10, Archie Lloyd, songs; 10:30, Jack Myer's Musical Architects.

WEAF, New York, N. Y. (491.5m-610kc), 4-12 midnight, Michael Barile, reader; Louise M. Baxter, soprano; Hotel Waldorf-Astoria; Notch Inn orchestra; Dickens corner; Happiness Candy Boys; Eagle Neutrodyne trio; Cities Service quartet; Whittall Anglo-Persians; Ben Bernie and his orchestra.

WEEI, Boston, Mass. (348.6m-860kc), 6:13 p. m., Hunter's Cabin orchestra; 7:30, Whiting's Four Merry Milkmen; 8:30, Sandy MacFarlane; 9, WEAF.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra.

WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., Clef trio; 7:30, WEAF; 8, Audubon Terrace Meadow Larks; 8:45, Joint Charities address; 9, Winger's Crescent Park entertainers; 9:30, Gladys Lindsay, soprano; 10, WEAF; 10:30, piano-accordion program, Frederick Kioczynski; 11, Vincent Lopez Hotel Statler orchestra.

WHAR, Atlantic City, N. J. (275.1m-1090kc), 8 p. m., Seaside hotel trio.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra.

WJAR, Providence, R. I. (305.9m-950kc), 8 p. m., musicale; 10, WEAF; 11, dance music.

WJZ, New York, N. Y. (454.3m-660kc), 7 p. m., Hotel Commodore concert orchestra; 8, Sundial Shoe serenaders; 8:30, Bonnie Laddies; 9, Baldwin hour, WGY; 10:30, Hotel Lorraine orchestra.

WLIT, Philadelphia, Pa. (394.5m-760kc), 8:10 p. m., Arcadia cafe concert orchestra; 8:30, Mentopine Minstrels; 9, Schickerling hour; 10, Morning Glory club; Arcadia cafe dance orchestra; 10:30, Rufus and Rastus; 11, Freshman hour; 12 midnight, Morning Glory club concert.

WMAK, Buffalo, N. Y. (265.3m-1130kc), 7:30-9 p. m., musicale; 10-11, musical, Sunrise Point Development company.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., "Sir Hobgoblin," Blanche Elizabeth Wade; 9, WEAF; 10, WEAF; 10:30, Ritz Carlton dance orchestra.

WPG, Atlantic City, N. J. (299.8m-1000kc), 6:45 p. m., Arthur Scott Brook, organist; 7, Hotel Traymore dinner music; 7:30, Elks home dinner music; 8:15, Sol Kendis and Chick Leonard entertainers; 8:30, Katz and his Kittens; 9, Hotel Ambassador concert orchestra; 10, Blackman's orchestra; 10:30, Garden Pier dance orchestra; 11, Jean Wiener, organist.

WTAG, Worcester, Mass, (267.7m-1120kc), 8:15-10 p. m., concert; 10-10:30, WEAF.

Eastern Standard or Central Daylight Saving Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 9 p. m., oratorical contest.

WABQ, Haverford, Pa. (261m-1150kc), 11 p. m., Horace Hustler, organist; William Stewart, pianist.

WADC, Akron, Ohio (258.5m-1160kc), 6:30 p. m., dinner concert, Carnes Richards' Hotel Portage quintet; 8, studio program; 10, studio program.

WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., WBAL dinner orchestra; 8-9, Morgan college; 9-10, WBAL trio; John Wilbourn, tenor 10-10:30, WBAL, mixed quartet; 10:30-11, Frederick D. Weaver, organist.

WBBM, Chicago, Ill. (225.4m-1330kc), 8-10 p. m., Goldie Gordon, violinist; Alemite orchestra; Badger quartet; Gail Bandell.

WBZ, Springfield, Mass. (333.1m-900kc), 6 p. m., Hotel Kimball trio; 7, John E. Shea, Earl Dicky; 7:30, Burbank Chocolateers; 8, Baldwin hour of music; 9:30, Orange night.

WCAP, Washington, D. C. (468.5m-640kc), 6-6:30 p. m., Mozart string quintet; 6:45-9, playlet, features; 9-9:30, WEAF; 9:30-10, studio program; 10-12, music, Wardman Park hotel.

WEBH, Chicago, Ill. (370.2m-810kc), 7 p. m., Osborn's orchestra; Bernard Weber, Pauline Sachs; 9:15, Osborn's orchestra; Bernard Weber; 11-12:30, Oriole orchestra; Irene Beasley; Day and Knight.

WGHB, Clearwater, Fla. (265.3m-1130kc), 8:30-10 p. m., diversified program; Blanche Cloyd, concert soprano, Caroline Lee, "The Virginia Girl" with her Spanish guitar.

WGN, Chicago, Ill. (302.8m-990kc), 6:45-6:55 p. m., musical program; 6:55-7:15, Drake concert ensemble, Blackstone string quintet, request program; 8:30-9, musical program; 9-9:30, WEAF; 9:30-10, Phantom violin; 10-10:10, Sam 'n' Henry; 10:10-10:20, musical program; 10:20-10:40, the play shop; 10:40-11, musical program, ensemble.

WGY, Schenectady, N. Y. (379.5m-790kc), 6 p. m., Hotel Van Curler orchestra; 7:15, "A Step On the Stairs"; 7:30, WGY orchestra; 8, WJZ; 9, Negro spirituals; 9:30, Hotel Van Curler.

WHT, Chicago, Ill. (399.8m-750kc), 7 p. m., Al Carney; Grayling's ensemble; Helen Rauh, pianist; Charles Hussey, bass; 7:50, Ray-o-Vac concert; 8:45-10:15 (238m-1260kc), Cinderella cafe orchestra; 10:30, (399.8m-750kc), Sunbeam Girls; 11:05, Loftis half-hour presentation; 12 midnight, your league.

WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., Elsie Orr, soprano; Ray McKay; WIBO string trio; 10-2 a. m., popular program.

WJAZ, Chicago, Ill. (329.5m-910kc), 9-1 a. m., Club Chez Pierre; Earl Hoffman orchestra; Pierre revue.

WJJD, Mooseheart, Ill. (370.2m-810kc), 8-9 p. m., music by children; 10-11, Senator Harold C. Kessinger; Palmer House Victorians; 12:30, settin' up hour.

WLIB, Chicago, Ill. (302.8m-990kc), 7:15-7:20 p. m., The Million Sing; 7:20-7:30, Old Fashioned Almanack, 7:30-8, Drake concert ensemble; 11-11:20, songs, Correll and Gosden; 11:20-12:30 a. m., ensemble; Charley Straight's Rendezvous cafe orchestra; Drake hotel concert orchestra.

WLS, Chicago, Ill. (344.6m-870kc), 6:40 p. m., College Inn orchestra; 7:30, Ralph Emerson, organist; 8, Mount Morris College male quartet; 9, Young American artists series; 10-11, popular music.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., organ; 8:30, to be announced; 9:55, chimes.

WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon duo, Vella Cook, contralto; Hart and McCready, harmony duo; Arvid Anderson, baritone; home-songs

Friday, May 7

program; 9-11, Trianon orchestra; Woodlawn theater orchestra; Joe Warner, character songs; Adelaide Hart; male trio; Bob Bennett, popular program.
WOK, Chicago, Ill. (217.3m-1380kc), 4:30-7 p. m., Capitol theater organ; studio program; Tip-Top Inn string ensemble concert; 10-1:30 a. m., Tearney's Town club orchestra; Midway Garden orchestra; Capitol theater program.
WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9:15-11 p. m., classical concert.
WORD, Batavia, Ill. (275m-1090kc), 7 p. m., North Shore line; 9, studio program.
WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., dinner concert, Ralph Williams and his Rainbo Garden concert orchestra; Ambrose Wyrick, tenor; Mabel Griest, violinist; Albert Heilman, concert pianist; 10-1 a. m., Ralph Williams and his Rainbo Garden orchestra; vocal, Clark's Hawaiian trio; artists; 1-2, Ginger hour.
WRVA, Richmond, Va. (256.3m-1170kc), 7 p. m., Hotel Richmond orchestra; 8:15, school festival of music; 10:30-11:30, Hotel Richmond Winter Garden orchestra.
WSWS, Chicago, Ill. (275.8m-1090kc), 8 p. m., Terrace Garden orchestra; 10, Terrace Garden Five; Skylark male quartet.
WTAM, Cleveland, Ohio (389.4m-770kc), 6-7 p. m., Carl Rupp and his Hotel Hollenden orchestra.
WTIC, Hartford, Conn. (475.9m-630kc), 7:15 p. m., national music week program; 8:45, WTIC mail bag; 9, U. S. Coast Guard academy band; 10, Hotel Bond dance orchestra.
WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 8, Detroit News orchestra; 9, WEAF; 9:30, dance program.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., dinner concert; 8:05-10:30, Harmony Six orchestra.
KFDM, Beaumont, Texas (315.6m-950kc), 8-10 p. m., Magnolia Petroleum company's refinery band.
KFH, Wichita, Kans. (267.7m-1120kc), 7-8 p. m., Gold Medal Krackers.
KFKX, Hastings, Nebr. (288.3m-1040kc), 9-11 p. m., Hastings Business college.
KFNF, Shenandoah, Iowa (263m-1140kc), 7:30 p. m., pipe organ concert.
KFUO, St. Louis, Mo. (545.1m-550kc), 9:30 p. m., "The Great Lucan Parables"; vocal solos, Rev. A. Behnke.
KMA, Shenandoah, Iowa (252m-1190kc), 9-11 p. m., popular musical program.
KMOX, St. Louis, Mo. (280.2m-1070kc), 7 p. m., Buster's saxophone quintet; Brown Bilt Boys; 8, orchestra; 8:30, John Sauter, flutist; Alex Halbman, clarinetist; Marguerite Schmidt, pianist; David Bittner, violinist; 9, music lovers' hour; 10, orchestra.
KOB, State College, N. M. (348.6m-860kc), 7:30-8:30 p. m., musicale, Adelaide Dampiere, director.
KOIL, Council Bluffs, Iowa (277.6m-1080kc), 6 p. m., Jack and Jill; 6:30, Royal Fontenelle orchestra; 8:30, Dresher Brothers; 11, Merry Makers.
KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., WEAF; 7:30, Arne Arnesen, violinist; 8, WEAF.
KSO, Clarinda, Iowa (241.8m-1240kc), 7 p. m., music; 7:30, Runnells Twins.
KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:05 p. m., Italian folk songs; 9:45, Lawson Reid, organist; 10-11, College Ramblers.
KYW, Chicago, Ill. (535.4m-560kc), 5:30-6 p. m., Joska DeBabary and his orchestra; 6-7, Evening American studio; 7-8, studio, Congress hotel; 8-9:30, Edison company studio; 9:30-10:30, Congress carnival.
WBAP, Fort Worth, Texas (475.9m-630kc), 7:30-8:30 p. m., Clifton college; 9:30-11, Texas Christian university; 11, Panther Hawaiain trio.
WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6:15 p. m., Emmet Long's Golden Pheasant orchestra; 8, WEAF; 8:30, Watkins Family Party; 10:05, Emmet Long's Golden Pheasant orchestra.
WCOA, Pensacola, Fla. (222m-1350kc), 7 p. m., Mrs. W. Grooch, pianist; C. Heinberg, violinist; Harry Davis, vocalist; Excelsior string quartet; Mrs. Pauline Whitwell, pianologist; Billie Burke, ukulele ace; Pensacola jazz band, Wildcats from Jazzland.
WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., Trianon ensemble; 8-9:30, varied music; 11:45-1 a. m., Ted Weems' Victor Recording orchestra; Billy Adair's orchestra; Ted Meyn, organist.
WEMC, Berrien Springs, Mich. (285.5m-1050kc), 9 p. m., Ellis Maas, bass; Trinity choir; H. Pearson, reader; Prescott Fairchild, violinist; choir; Anita Hermn, soloist.
WFAA, Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m., Shaw-Smith college club orchestra; 8:30-9:30, Schubert choral club.
WGBF, Evansville, Ind. (236.1m-1270kc), 7 p. m., A. L. Maxwell company; 8, sacred music.
WHAS, Louisville, Ky. (399.8m-750kc), 7:30-8:30 p. m., Eddie Slemer's orchestra; 8:30-9, special boys' week exercises.
WHB, Kansas City, Mo. (365.6m-820kc), 7-8 p. m., Sweeney Radio orchestra.
WHO, Des Moines, Iowa (526m-570kc), 7:30-9 p. m., special "Music Week" program; 11-12 midnight, Lawrence Philbreck and his Younker Tea room orchestra.
WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Hawaiian melodies; 11, Bob Miller's orchestra.
WOAI, San Antonio, Tex. (394.5m-760kc), 8:30 p. m., News and Express and College of Music programs.
WOAW, Omaha, Nebr. (526m-570kc), 6:50 p. m., Gilbert Jaffy, violinist; Harry Braviroff, pianist; 9, Puritan program; 10:30, Frank Hodek and his Nightingale orchestra.
WOC, Davenport, Iowa (483.6m-620kc), 8-8:30 p. m., WEAF; 9:30-10:30, Helen Hughes and her Blackhawk hotel orchestra; 10:30, "A Step On the Stairs."
WRR, Dallas, Tex. (245.8m-1220kc), 6-7 p. m., Jack Gardner's orchestra; 8-9, Magnolia Petroleum company band; 11-12 midnight, program.
WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., Griffith School of Music; 10:45, program, Mrs. Susue Reese Kennedy, director.
WSM, Nashville, Tenn. (282.9m-1060kc), 7 p. m., Beasley Smith's concert orchestra; 8, William Woods and associate artists; 10, program, Mrs. R. G. Settle.

Mountain Standard Time Stations

KFWA, Ogden, Utah (260.7m-1150kc), 9-10 p. m., chorus; 10-11, Paramount theater music.
KFXF, Colorado Springs, Colo. (250m-1200kc), 7:30-8 p. m., Star ranch, Pines Sanatorium program; 9-11, Irish Melody boys.
KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra; 8, Scheuerman's Colorado orchestra; 8:15, KOA orchestra; vocal trios; Mile high trio; Fiore Serpico, trombonist; Lillian Donnery, contralto; Charles South, violinist; Mrs. Richard Osenbaugh, soprano; Clarence C. Moore, bass; Margaret Henderson, pianist.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-7:30 p. m., Carlyle Stevenson's El Patio orchestra; 7:30-8, Felipe Delgado's Media Hora Espanola; 8-9, Aeolian organ; 9-10, popular songs and Mutual Motors mirth contest; 10-11, Packard ballad hour.
KFON, Long Beach, Calif. (232.4m-1280kc), 7-8 p. m., program, Dalton & Hoagland company; 8-9, Press-Telegram studio; 9-10, Prizma hour; 10-12 midnight, Long Beach Elks lodge No. 888 frolic.
KFWB, Hollywood, Calif. (252m-1190kc), 6:30-7:30 p. m., Pontiac Six dinner hour; 8-9, John Wright, the Right Tailor; 9-10, Sealy Mattress company; 10-11, Warner Brothers frolic.
KGO, Oakland, Calif. (361.2m-830kc), 6-6:55 p. m., Prokaw and his orchestra.
KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-9, concert, vocal and instrumental; 9-10:30, concert; 10:30-12 midnight, frolic, Keep Growing Wiser Order of Hoot Owls, Pantages stars, features.
KHJ, Los Angeles, Calif. (405.2m-740kc), 8-10 p. m., Times de luxe presentation.
KMTR, Hollywood, Calif. (238m-1260kc), 6-7 p. m., Radio Press Agent; 8-10, KMTR concert orchestra; 10-11, Starr Piano company studio.
KNX, Hollywood, Calif. (336.9m-890kc), 6:30-7 p. m., Atwater Kent orchestra; 7-8, studio program; 8-9, program, Jell-X-Cell with Charles Melson's Playboys; 9-10, Optimistic Donuts frolic; 10-11, main event from the Hollywood Legion Stadium fights; 11-12 midnight, Ambassador hotel dance orchestra.
KOAC, Corvallis, Ore. (280.2m-1070kc), 7:20 p. m., Arthur Kirkham, tenor; 8:15-9:15, musical program.
KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7 p. m., States Restaurant orchestra; 8-10:30, R. O. T. C. band contest; 10:30-11, States Restaurant orchestra.
KWSC, Pullman, Wash. (348.6m-860kc), 7:15 p. m., Bernice Metz, pianist; Mrs. Stanley Benner, vocalist; Jerry Satola, violinist.
KTAB, Oakland, Calif. (239.9m-1250kc), 8-10 p. m., program, Breunner's.

Saturday, May 8

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
8 p. m.	7	6	5	4
WSM (282.8m-1060kc), Barn dance.				
9	8	7	6	5
WBBM (265.3m-1130kc), Harmonious Hash.				
9:15	8:15	7:15	6:15	5:15
WLW (422.3m-710kc), Old-time fiddlers.				
9:25	8:25	7:25	6:25	5:25
WRC (468.5m-640kc), "A Step On the Stairs," final episode, mystery serial.				
11:05	10:05	9:05	8:05	7:05
KTHS (374.8m-800kc), Old-time fiddlers.				
12 m.	11	10	9	8
KPO (428.3m-700kc), University of California orchestra.				
KPRC (296.9m-1010kc), Wendell Hall.				
12:10 a. m.	11:10	10:10	9:10	8:10
KGO (361.2m-830kc), "The Mikado," comic opera.				
1	12	11	10	9
KFNF (263m-1140kc), Old-time music.				

For stations silent tonight refer to first Saturday's list.

Atlantic or Eastern Daylight Saving Time Stations

WBBR, New York, N. Y. (272.6m-1110kc), 8 p. m., Charles Robner, violinist; Forrest Kleinhans, baritone.
WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., William Penn hotel; 8:15, WEAF.
WEAF, New York, N. Y. (491.5m-610kc), 4-12 mid., Vincent Lopez and his orchestra; Padraic Colum, reader; Ross Gorman and his orchestra; Vincent Lopez and his orchestra.
WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra; 8, Boy Week program.
WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; Francis Spector and Doris Weiss, pianists; 10:05, Benjamin Franklin concert orchestra; 11:05, organ recital.
WJZ, New York, N. Y. (454.3m-660kc), 7 p. m., Hotel Commodore concert orchestra; 10:30, Hotel Vanderbilt orchestra.
WLIT, Philadelphia, Pa. (394.5m-760kc), 7:30 p. m., Benjamin Franklin hotel concert orchestra.
WMAK, Buffalo, N. Y. (265.3m-1130kc), 6:15-7:15 p. m., dinner music; 7:30-8:30, musical; 8:30-9, musical program; 9-10:30, entertainment; 10:30-11, Maltop, Inc.
WOO, Philadelphia, Pa. (508.2m-590kc), 12:02 p. m., Golden's Crystal Tea Room orchestra; 4:45, organ recital; 7:30, Adelphia dinner dance orchestra.
WPG, Atlantic City, N. J. (299.8m-1000kc), 6:45 p. m., Arthur Scott Brook, organist; 7, Hotel Morton dinner music; 7:30, Elks home dinner music; 8, Hotel Ambassador dinner music; 8:30, Blackman's orchestra; 9:10, Hotel Traymore concert orchestra; 10, Katz and his Kittens; 10:30, Garden Pier dance orchestra; 11:15, Elks home dance orchestra.

Eastern Standard or Central Daylight Saving Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 8:30 p. m., Westinghouse band.
WBBM, Chicago, Ill. (225.4m-1330kc), 8-10 p. m., Alemite orchestra; Ziegler Stars; Tip trio; 10-11, dance period; 12-2 a. m., Matched Unit quartet; Ziegler Stars.
WBZ, Springfield, Mass. (333.1m-900kc), 6:15 p. m., Capitol theater orchestra; 6:45, Repertory theater concert orchestra; 7:15, Dr. D. M. Staley, readers; 7:30, Tufts Medical college; 8:30, Geraldyne Isabelle Havens, soprano; Mrs. Inez Main Momm, pianist.
WEBH, Chicago, Ill. (370.2m-810kc), 8 p. m., songs, Frank Greif; 9:15-10, Edgewater Beach Hotel Oriole orchestra; 11-12 midnight, Oriole orchestra; Kay Ronayne; 1 a. m., Oriole orchestra; 1-3, frolic.
WGN, Chicago, Ill. (302.8m-990kc), 6:45-6:55 p. m., musical program; 6:55-7:15, Drake concert ensemble, Blackstone string quintet, request program; 8-8:10, Auld Sandy; 8:10-8:30, musical program; 8:30-9:30, light opera concert; 9:30-10, old-time prize fight; 10-10:10, Sam 'n' Henry; 10:10-10:20, musical program; 10:20-10:40, play shop; 10:40-11, ensemble.
WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., Hotel Onondaga orchestra; 9:30, Hotel Sagamore orchestra.
WHT, Chicago, Ill. (399.8m-750kc), 7 p. m., Al Carney organist; 8:45-10:15 (238m1260kc), Cinderella orchestra; 10:30 (399.8m-750kc), Kitchen Klenzer entertainers; 10:50, Jack Turner; Irene Smith; 12, your hour.
WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., Marie Elita Fay, soprano; WIBO string trio.
WJAZ, Chicago, Ill. (329.5m-910kc), 9-2 a. m., Opera club.
WJJD, Mooseheart, Ill. (370.2m-810kc), 8-9 p. m., Palmer House Victorians; Isabel Defaut, Edson Farrar; 10-11, Palmer House Victorians; Cook Sisters; 12-1 a. m., settin' up hour.
WLIB, Chicago, Ill. (302.8m-990kc), 7:20-7:30 p. m., Old Fashioned Almanack; 7:15-7:20, The Million Sing; 7:30-8, Blackstone string quintet; 11-11:20, songs, Correll and Gosden; 11:20-12:30 a. m., ensemble; Charley Straight's Rendezvous cafe orchestra; Drake concert orchestra.
WLS, Chicago, Ill. (344.6m-870kc), 7:15-12 midnight, national barn dance.
WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., Johanna Grosse, organist; 8:15, Shoestring orchestra; old-time fiddlers; 8:45, Lawson and McClain, Hawaiian string quartet; 9:30, dance music, Castle Farm.
WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., organ; 6:30, Boys' week quartet; 8, Daw and Pratt; 8:30, photologue; 9, Chicago theater.
WOK, Chicago, Ill. (217.3m-1380kc), 4:30-7 p. m., Capitol theater organ; Tip-Top Inn ensemble concert; 10-1 a. m., Tearney's Town club orchestra; Carl Lorraine's Pershing Palace orchestra; Midway Garden orchestra; Capitol theater program; 1-2, Tearney's Town club orchestra; Midway Garden orchestra.
WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9-10 p. m., Elizabeth Barker Van Campen hour of music, Ruth Bell, pianist; Charles Bell, violinist; Henry Rose, tenor; Ethel Hoekstra, Lyle Rogers, soprano; Mendelssohn Ladies quartet; 10-11, America's Radio tenor; Roy Clark, H. Harold DeWindt, Bob and Hazel McOsker.
WORD, Batavia, Ill. (275m-1090kc), 7 p. m., Webster hotel concert and orchestra program; 9, studio program.
WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Gardens orchestra; Mabel Griest, violinist; Albert Heilman, pianist; 10-3 a. m., Rainbo Skylarks; Hal Lansing; Joe Warner; Rita McFawn; West Brothers; Gail Bandell, Melodians.
WRC, Washington, D. C. (468.5m-640kc), 8:25 p. m., "A Step On the Stairs"; 9, music; 10:30, Meyer Davis' Swanee Syncopators; 11:30-12 midnight, Otto F. Beck, organist.
WSAI, Cincinnati, Ohio (325.9m-920kc), 7 p. m., chimes, Robert Badgley; 7:15, musicale; 7:30, Bicycle Playing Card sextet; 8:30, orchestra.
WSWS, Chicago, Ill. (275.8m-1090kc), 8 p. m., Terrace Garden orchestra; 10, Zola Haynes, pianist; popular artists.
WTAM, Cleveland, Ohio (389.4m-770kc), 6-7 p. m., dinner hour, Guy Lombardo and his Royal Canadians; 8-9, Hollenden hour, Carl Rupp and his orchestra; 9-12 midnight, novelty program, Ev Jones and his gang.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., concert; 8:30-10:30, Buick Dealer's program; 12 midnight-2 a. m., orchestra.
KFH, Wichita, Kans. (267.7m-1120kc), 7-8 p. m., J. O. Adams Music company; 11-12 midnight, Hotel Lassen dance music.
KFNF, Shenandoah, Ia. (263m-1140kc), 7 p. m., music.
KMA, Shenandoah, Iowa (252m-1190kc), 9-11 p. m., pipe organ recital, William Howie.
KMOX, St. Louis, Mo. (280.2m-1070kc), 6 p. m., Arthur L. Utt, Mrs. Jacque Landree; 7, Little Red Schoolhouse; 8, Marguerite Schmidt, pianist; 9, orchestra; 9:30, John Sauter, flutist; Alex Halbman, clarinetist; 10, Colonel 6121.

Leonard Bruvald Latvian, baritone, has sung in all the capitols of Europe. Americans may hear him by tuning in for WFI, May 3.

KOIL, Council Bluffs, Iowa (277.6m-1080kc), 6 p. m., "Y" Pioneer Radio club; 6:35, Mona Motor Oil entertainers; 7:35, Italian program, Angelo Lupo; 11, tattle tales; 12 midnight, Pow-Wow.
KPRC, Houston, Tex. (296.9m-1010kc), 7:30 p. m., Bible class; 8:30, Frank Tilton, blind wonder boy pianist; 10, Wendell Hall; 10:30, Harold Oxley's Warwick hotel orchestra.
KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., Grand Central theater.
KSO, Clarinda, Ia. (241.8m-1240kc), 7 p. m., quartet, concert, W. A. Price.
KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:05 p. m., old-time fiddlers; 10:30-11:15, New Arlington hotel orchestra.
KYW, Chicago, Ill. (535.4m-560kc), 6-7 p. m., American studio program; 7, Congress hotel; 8-9:30, classical concert; 9:30-10:30, Congress carnival.
WBAP, Fort Worth, Tex. (475.9m-630kc), 7:30-8:30 p. m., Sunday school lesson; 9:30-11, Hired Hand's Little symphony.
WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6:15 p. m., Dick Long's Nankin cafe orchestra; 8:15, musicale; 10:05, Dick Long's Nankin cafe orchestra.
WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., Trianon ensemble; 8-10, oratorical contest; 11:45-1, frolic.
WFAA, Dallas, Tex. (475.9m-630kc), 6:30-7:30 p. m., Jimmie Joy's orchestra; 8:30-9:30, Frank Frederick Loew, pianist; 11-12 midnight, Jack Gardner's orchestra.
WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., concert, Cynthiana High school orchestra.
WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., studio concert.
WOAW, Omaha, Nebr. (526m-570kc), 6:50 p. m., orchestra; 9, program; 10, Frank Hodek and his Nightingale orchestra.
WOC, Davenport, Iowa (483.6m-620kc), 9-10 p. m., Howard A. Carroll, tenor; John McGreevy, baritone; Emil Haas, reader.
WRR, Dallas, Tex. (245.8m-1220kc), 6-7 p. m., dinner concert, Jack Gardner's orchestra; 8-9, varied program, P. B. Mahoney.
WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., Atlanta Atwater Kent hour; 10:45, Hired Help Skylark.
WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., Beasley Smith's concert orchestra; 8, barn dance program, features.
WSMB, New Orleans, La. (319m.940kc), 9:30-11:30 p. m., Paul Jacobs and Gates, classical program.
WSUI, Iowa City, Iowa (483.6m-620kc), 7:30 p. m., musicale.

Mountain Standard Time Stations

KFWA, Ogden, Utah (260.7m-1150kc), 9-10 p. m., Olie Reeves and his orchestra; 10-11, Paramount theater music; 11-12 midnight, Olie Reeves and his orchestra.
KOA, Denver, Colo. (322.4m-930kc), 9 p. m., Harmony Peerless orchestra; 10:30, Scheuerman's Colorado orchestra.

Pacific Standard Time Stations

KGO, Oakland, Calif. (361.2m-830kc), 8:10 p. m., National Music week; "The Mikado," comic opera; 10-12 midnight, Madson's Midshipmen, dance orchestra.
KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., concert; 10-12 midnight, Herman Kenin's dance orchestra.
KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7:30 p. m., States Restaurant orchestra; 8-10, University of California orchestra; 10-12 midnight, Fairmont hotel dance orchestra; Maurice Gunsky, tenor; Merton Bories, pianist.
KPSN, Pasadena, Calif. (315.6m-950kc), 8-9 p. m., Star-News concert hour; 9-10, dance orchestra.

Sunday, May 9

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
9:15 p. m.	8:15	7:15	6:15	5:15
WEAF (491.5m-610kc), WEEI, WCAP, WFI, WJAR, WGR, WCAE, WSAI, WWJ, WOC, WCCO, WGN, WEAR, KSD, WTAG, Atwater Kent program.				
9:30	8:30	7:30	6:30	5:30
KOIL (277.6m-1080kc), May Time Festival.				
WLW (422.3m-710kc), Mothers' Day concert.				
9:45	8:45	7:45	6:45	5:45
WGN (302.8m-990kc), "Our Music Room—Verdi."				
1 a. m.	12	11	10	9
WFAA (475.9m-630kc), The Foxtrotters.				

For stations silent tonight refer to first Sunday's list.

Atlantic or Eastern Daylight Saving Time Stations

WCAE, Pittsburgh, Pa. (461.3m-650kc), 10:45 a. m., Rodef Shalom temple; 4 p. m., WEAF; 6:30, dinner concert; 7:20, WEAF; 9:15, WEAF.
WCAU, Philadelphia, Pa. (277.6m-1080kc), 11 a. m., First Unitarian church services; 5 p. m., recital; 5:15, church services; 5:35, recital; 5:45, sermon, Rev. John W. Stockwell; 6:45, Clarence Seaman and his Pennsylvania hotel concert orchestra; 7:45, Billy Hayes and his Cathay Tea Garden concert orchestra; 8:30, Barry O'Moore and the Bonwit Teller ensemble; 10, orchestra.
WEAF, New York, N. Y. (491.5m-610kc), 10 a. m., Holy Name society; 3-5 p. m., Sunday Radio service; 6-7:20, musicale; 7:20-9:15, Capitol theater; 9:15-9:45, Atwater Kent.
WEEI, Boston, Mass. (348.6m-860kc), 6 p. m., Jordan Marsh Company's Sparkling Diamonds; 7:20, WEAF; 9:15, WEAF.
WFI, Philadelphia, Pa. (394.5m-760kc), 10:30 a. m., services, Arch Street Presbyterian church.
WGR, Buffalo, N. Y. (319m-940kc), 10:45 a. m., Westminster Presbyterian church; 6 p. m., WEAF; 7:45, Central Presbyterian church; 9:15, WEAF.
WIP, Philadelphia, Pa. (508.2m-590kc), 7:15 p. m., services, Holy Trinity church; 10, musical program; Germantown theater.
WJAR, Providence, R. I. (305.9m-950kc), 7:20 p. m., WEAF.
WJZ, New York, N. Y. (454.3m-660kc), 11 a. m., West End Presbyterian church; 3:55, St. Georges vesper service; 7, Hotel Pennsylvania concert orchestra; 8, Bakelite hour; 9, Hotel Commodore concert orchestra, WGY; 10, Godfrey Ludlow, violinist, WGY.
WLIT, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Benjamin Franklin hotel organ recital; 7, Benjamin Franklin concert orchestra.
WOO, Philadelphia, Pa. (508.2m-590kc), 10:30 a. m., services, Bethany Presbyterian church; 2, musical exercises, Bethany Sunday school; 6, organ recital.

Eastern Standard or Central Daylight Saving Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 11 a. m., service; 4 p. m., Dr. Charles Heinroth, organist; 4:45, Shadyside Presbyterian church; 7:15, Calvary Episcopal church; 7:45, First United Presbyterian church.
WADC, Akron, Ohio (258.5m-1160kc), 6:30 p. m., dinner concert, Carnes Richards' hotel Portage quintet.
WBBM, Chicago, Ill. (225.4m-1330kc), 12:30-2 p. m., noon hour of music; 4-6, matinee; 11:59-3, Nutty club.
WCAP, Washington, D. C. (468.5m-640kc), 11 a. m., Foundry Methodist church of Washington; 4 p. m., Washington cathedral; 6:20-9:15, Capitol theater program; 8:15-8:45, Atwater Kent hour.
WCBD, Zion, Ill. (344.6m-870kc), 8 p. m., Zion choir; Celestial bells; Carey Sisters; Rendall Brothers; Marjorie Shaw.
WEBH, Chicago, Ill. (370.2m-810kc), 10:40 a. m., Seventh Church of Christ, Scientist; 7-9, artists' program.
WGN, Chicago, Ill. (302.8m-990kc), 6:45-7 p. m., musical program; 7-7:20, The Million Sing; 7:20-7:30, Old Fashioned Almanack; 7:30-7:45, Correll and Gosden; 7:45-8:15, Drake concert ensemble, Blackstone string quintet; 8:15-8:45, WEAF; 8:45-10, "Our Music Room—Verdi"; 10-10:10, Sam 'n 'Henry; 10:10-11, musical program.
WHT, Chicago, Ill. (399.8m-750kc), 12 n.-11:30 p. m., Paul Rader.
WIBO, Chicago, Ill. (225.4m-1330kc), 2-4 p. m., Sunday afternoon concert; 6-8, program, Walter Preston, director; 10-12 midnight, popular program.
WJAZ, Chicago, Ill. (329.5m-910kc), 7-9 p. m., Spanish garden studio.
WJJD, Mooseheart, Ill. (370.2m-810kc), 7:45 a. m., Roman Catholic services; 9:40, Protestant services; 2:30, Sunday concert; 3:30, Bible class; 4, Palmer House Sunday symphony orchestra.
WLIB, Chicago, Ill. (302.8m-990kc), 5-6:15 p. m., concert, Oriental jazz ensemble.
WLS, Chicago, Ill. (344.6m-870kc), 6:30-7:55 p. m., WLS Little Brown church.
WLW, Cincinnati, Ohio (422.3m-710kc), 10:45 a. m., Seventh Presbyterian church; 4 p. m., Polyphonic music, Mt. St. Mary's Seminary; 5, organ recital, Johanna Grosse; 7:30, Emmaus Evangelical Lutheran church; 8:30, Mother's Day concert, H. & S. Pogue.
WOK, Chicago, Ill. (217.3m-1380kc), 6 p. m.,-1 a. m., Tearney's Town club orchestra; Carl Lorraine's Pershing Palace orchestra; Midway Garden orchestra; Capitol theater musical program; Tip-Top string ensemble; studio program.
WQJ, Chicago, Ill. (447.5m-670kc), 10 a. m., Peoples church choir; 3-4 p. m., Ressurrection choir; Mother's Day; 8-10, Mother's Day program; Rainbo Garden orchestra; Mabel Griest, violinist; Albert Heilman, pianist.
WSAI, Cincinnati, Ohio (325.9m-920kc), 11 a. m., Avondale Methodist Episcopal church; 7:45 p. m., chimes; 8, Radio sermonette; 8:15, WEAF.
WSWS, Chicago, Ill. (275.8m-1090kc), 11 a. m., Moody church; 3-5 p. m., popular service; 7-8:30, evening song service.
WTAM, Cleveland, Ohio (389.4m-770kc), 11 a. m., Trinity cathedral.
WTIC, Hartford, Conn. (475.9m-630kc), 7 p. m., Sunday school period; 7:30, national music week program; 9:30, Carroll's Palais Royal dance orchestra.
WWJ, Detroit, Mich. (352.7m-850kc), 10 a. m., First Presbyterian church; 2 p. m., Detroit News orchestra; 6:20, WEAF; 8:15, WEAF.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 4-5 p. m., vesper service, Rev. McMillin; 9-11, musicale.
KFDM, Beaumont, Texas (315.9m-950kc), 11-12 noon, First Baptist church; 8-9, program.
KFH, Wichita, Kan. (267.7m-1120kc), 9:45 a. m., Bible class; 7:15, First Methodist church; 10-11, Coleman string quartet.
KFNF, Shenandoah, Iowa (263m-1140kc), 10:45 a. m., First M. E. church; 2:30 p. m., Golden Rule song service; 3, services; 6:30, Golden Rule circle; 7:30, Christian church services.
KFUO, St. Louis, Mo. (545.1m-550kc), 4 p. m., Shut-in hour; "Blessed are the Merciful for they shall obtain mercy," Rev. Schaefer; musical program; 9:15, "The Committing of Murder," Rev. R. Meyer; mixed choir.
KMA, Shenandoah, Iowa (252m-1190kc), 8:30-9:30 a. m., services; 12:15-1:30 p. m., sacred song service; 4-5, choir music; 5-6, Religious discussion.
KOIL, Council Bluffs, Iowa (277.6m-1080kc), 11 a. m., First Congregational church; 4 p. m., Presbyterian choir; 7:30, Mother's Day program, Everett S. Dodd, Scotland; Hugh W. McGann, Ireland; Marion Fisher, French, German; Elks quartet, Amedican; Eric Thornton, popular American; 1 a. m., Hotsy Totsy hour.
KPRC, Houston, Texas (296.9m-1010kc), 10:30 a. m., chimes; 10:55, St. Paul Methodist church; 7:30, First Methodist church; 9:30, Mothers' day; 11, J. Benson Carlisle, organist.
KSO, Clarinda, Iowa (241.8m-1240kc), 11 a. m., First M. E. church.
KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 11-12:15 p. m., St. Luke's Episcopal church; 9:05-10, classic hour, Meyer Davis ensemble; 10-11:30, Arkansas Traveler Radio Special train, Benny Ford's orchestra.
KYW, Chicago, Ill. (535.4m-560kc), 11 a. m., Central church service; 4:30, studio concert; 7, Chicago Sunday evening club; 9:30-11, classical program.
WBAP, Fort Worth, Texas (475.9m-630kc), 5-6 p. m., Travis Avenue Baptist church; 9:30-11, Texas hotel orchestra.
WEMC, Berrien Springs, Mich. (285.5m-1050kc), 11 a. m., Vivian Copeland, pianist; Trinity studio choir; Cardinal quintet; 12 noon, Kenneth Hagen, violinist; 8:15 p. m., Trinity studio choir; Martha Hutchison, soprano; 8:50, choir.
WFAA, Dallas, Texas (475.9m-630kc), 6-7 p. m., Bible class, First Presbyterian church; 7-8, Leland Johnson, pianist-singer; 8-9, City Temple (Presbyterian); 9-9:30, Cyrus Barcus, cornetist; 11-12 midnight, Foxtrotters, the Cedar Chest club orchestra.
WHAS, Louisville, Ky. (399.8m-750kc), 10 a. m., Broadway Baptist church; 4:30-5:30 p. m., choral evensong service, Christ church cathedral.
WHB, Kansas City, Mo. (365.6m-820kc), 9:40-10:45 a. m., Christian church; 11:10-12:30, Christian church; 8-9:15, Methodist church; 11:15-1 a. m., Don Anchors, poet; Morrill Moore, organist.
WHO, Des Moines, Iowa (526m-570kc), 11 a. m., St. Ambrose cathedral; 4-5 p. m., male quartet; 5-6, Bankers Life trio; Myrtle Williams, soprano; 7:30-8:30, Fourteenth Calvary band; 11-12 midnight, Bankers Life Little Symphonic orchestra.
WOAI, San Antonio, Texas (394.5m-760kc), 11 a. m., First Presbyterian church; 7:30 p. m., Central Christian church; 9:30, Super-Heterodyne hour of music.
WOAW, Omaha, Nebr. (526m-570kc), 9 a. m., Omaha Gospel tabernacle; 1:30 p. m., classical program; 9, services.
WSB, Atlanta, Ga. (428.3m-700kc), 5 p. m., Inman Park Presbyterian church choir; 7:30, Baptist Tabernacle services.
WSM, Nashville, Tenn. (282.8m-1060kc), 7:30 p. m., First Presbyterian church.
WSUI, Iowa City, Iowa (348.6m-620kc), 9:30 p. m., familiar hymns, Mrs. Lottie L. Volkmer.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 10 a. m., services; 4 p. m., Beverly Hills Community church choir; 7, Grebe and company program, string ensemble; 7:30, Jim, Jack and Jean trio; Gogo Belanger, soloist; 8, Aeolian organ recital; 9, Ray Gill and his Movieland

Sunday, May 9

Syncopators: Lola Gill and Mert Denman and his uke; 10, Packard Six orchestra.

KGO, Oakland, Calif. (361.2m-830kc), 11 a. m., Trinity Episcopal church; 3:30 p. m., vesper; 7:45, Trinity Episcopal church.

KGW, Portland, Ore. (491.5m-610kc), 10:15-12 noon, Church of Our Father, Unitarian; 7:30-9, First Presbyterian church; 9-10, Chevrolet symphony orchestra.

KPSN, Pasadena, Calif. (315.6m-950kc), 8:45-9:45 p. m., Maryland Artists' ensemble.

KTAB, Oakland, Calif. (239.9m-1250kc), 9:45 a. m., Bible lecture; 11, service; 7:45 p. m., service; 9:30-11, concert.

Monday, May 10

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
9:30 p. m.	8:30	7:30	6:30	5:30

WHAZ (379.5m-790kc), Troy Conservatory of Music.

10	9	8	7	6

WGR (319m-940kc), Amherst choral club.
WRVA (256.3m-1170kc), Tri-City program.

10:15	9:15	8:15	7:15	6:15

WEMC (285.5m-1050kc), Radio Lighthouse Music Makers.

For stations silent tonight refer to first Monday's list.

Atlantic or Eastern Daylight Saving Time Stations

WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert; 8, musicale; 9, concert; 10, grand opera; 11:05, dance.

WCAP, Washington, D. C. (468.5m-640kc), 7-8 p. m., studio prorgam; 8-9, WEAF; 9-10, WEAF.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30 p. m., recital, N. Snellenburg and company; 8, Carolyn Thomas, soprano; 8:30, The Hood Boys; 9, Merry Minstrels; 9:40, Jackson and Ellis, Radio sweethearts; 10, recital.

WEAF, New York, N. Y. (491.5m-610kc), 4-12 midnight, Harmony Martins, tenor, soprano; Mary Loveridge Robbins, soprano; Mabel E. Deegan, violinist; Hotel Waldorf-Astoria; A. and P. Gypsies; Pearl Fishers; WEAF Grand Opera company; Ben Bernie and his orchestra.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra.

WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., Woodcliff orchestra; 8, Jack Stack and friends; 9, popular program, Wheat's division, General Ice Cream company; 10, Amherst choral club; 11, Vincent Lopez Hotel Statler dance orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra.

WJAR, Providence, R. I. (305.9m-950kc), 7:45 p. m., musicale; 9-11, WEAF.

WJZ, New York, N. Y. (454.3m-660kc), 7 p. m., Hotel Commodore dinner concert; 8, Astor Coffee orchestra; 9, Revelers; 10, Moorland hour; 10:45, Waldorf Astoria orchestra.

WLIT, Philadelphia, Pa. (394.5m-760kc), 8 p. m., Short Agro Waves; 9, Stanley Hour of Music; 10, Arcadia cafe dance orchestra; 10:30, vaudeville features, Fay's Knickerbocker theater; 10:45, El Patio dance orchestra.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Sylvania dinner dance orchestra; 8, WEAF; 11, Ritz Carlton dance orchestra.

WRVA, Richmond, Va. (256.3m-1170kc), 9 p. m., Tri-City, New Bern, Moorehead, Moorehead Bluff; 11-12 midnight, Harold Lawrence orchestra.

WTIC, Hartford, Conn. (475.9m-630kc), 8 p. m., Fely Clement, grand opera prima donna; 8:30, Emil Heimberger's Hotel Bond dance orchestra; 9, WEAF; 10, Travelers symphonic ensemble.

Eastern Standard or Central Daylight Saving Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 9 p. m., Ruud Light Opera hour.

WABQ, Haverford, Pa. (261m-1150kc), 11 p. m., Ardmore theater program.

WGHB, Clearwater, Fla. (265.3m-1130kc), 8:30-10 p. m., diversified program, Mrs. Frank Delemater; L. Joy, pianist.

WHAZ, Troy, N. Y. (379.5m-790kc), 8:30 p. m., concert, Troy conservatory of music; 9:30, dance orchestra.

WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., concert, Hotel Gibson orchestra; 8, Crosley Little symphony orchestra; male quartet; 10, Henry Theis' orchestra.

WOOD, Grond Rapids, Mich. (241.8m-1240kc), 9-10 p. m., classical concert; 10-11, "The Key to the Door"; 11-12 midnight, "17th Woodpile."

WSAI, Cincinnati, Ohio (325.9m-920kc), 10-12 midnight, musicale.

WTAM, Cleveland, Ohio (389.4m-770kc), 6-7 p. m., dinner hour, Carl Rupp and his Hotel Hollenden orchestra; 8-11, Cleveland's city band, artists; 11-12 midnight, Austin Wylie's Recording orchestra; 12-1 a. m., Guy Lombardo and his Royal Canadians dance orchestra.

WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7, studio program; 8, WEAF; 9, Detroit News orchestra.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., dinner concert; 8:30-10:30, Ed Ellingston, songbird; Harriet Cruise, Oriole of the Air; Master Six orchestra; Harmony Boys.

KFH, Wichita, Kans. (267.7m-1120kc), 7-8 p. m., ladies' quartet.

KFKX, Hastings, Nebr. (288.3m-1040kc), 9-11 p. m., W. M. Dutton and Sons.

KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., Seed company.

KFUO, St. Louis, Mo. (545.1m-550kc), 8 p. m., "The Value of Faithfulness," Rev. A. Kuehnert; musical program, bass clef quartet.

KMA, Shenandoah, Iowa (252m-1190kc), 9-11 p. m., Farnham trio, How Do You Do Boys, Grady and Doc.

KOIL, Council Bluffs, Iowa (277.6m-1080kc), 6 p. m., Hugh W. McGann, Irishman; 6:30, Original Collegians; 7:30, Candy Men; 9, Ray Winn and his Paramount orchestra; Marie Salisbury, violinist; Olivetta Salisbury, pianist; Kathryn Skinner, cellist; 11, Hotsy Totsy hour.

KPRC, Houston, Texas (296.9m-1010kc), 6:30 p. m., Harold Oxley's Warwick hotel orchestra; 7:30, band concert; 8:30, Dr. Eagle J. Shay, tenor.

KSO, Clarinda, Iowa (241.8m-1240kc), 7 p. m., Earl McDonald entertainers.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:05-10 p. m., musical comedy hits, New Arlington hotel orchestra; 10-10:20, W. Brown, baritone; 10:20-11:30, organ concert, Lawson Reid.

KUOA, Fayetteville, Ark. (299.8m-1000kc), 8 p. m., Lucy Leight Brown, violinist.

WBAP, Fort Worth, Texas (475.9m-630kc), 7:30-8:30 p. m., Knights of Pythias; 9:30-11, Trail Blazers; 11, Duncan-Marin orchestra; Majestic theater.

WCOA, Pensacola, Fla. (222m-1350kc), 7 p. m., Silva's 13th Coast Artillery jazz orchestra; Sergeant Silva and his jazzin' cornet; band concert.

WEMC, Berrien Springs, Mich. (285.5m-1050kc), 8:15 p. m., Radio Lighthouse Music Makers; Ruth Lee, soprano; Thurber Madison, violinist.

WFAA, Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m., Honey Boys' orchestra; 8:30-9:30, program.

WHB, Kansas City, Mo. (365.6m-820kc), 7-8 p. m., Sweeney Radio orchestra; Harry Kessel, soloist; Lola Cook, pianist.

WHO, Des Moines, Iowa (526m-570kc), 7:30-9 p. m., Prof. Paul Stoye, pianist; Prof. Joseph Gifford, reader; Stewart Watson, baritone; 11-12 midnight, L. Carlos Meier, organist.

EDUCATIONAL FEATURES

Monday

Atlantic	Eastern	Central	Mountain	Pacific
5:30 p. m.	4:30	3:30	2:30	1:30

WNYC (526m-570kc), German lessons, V. H. Berlitz.

6	5	4	3	2

WEAF (491.5m-610kc), Columbia university lecture.

8:30	7:30	6:30	5:30	4:30

WSUI (483.6m-620kc), College of the Air.

10	9	8	7	6

CKY (384.4m-780kc), U. of Manitoba.

11	10	9	8	7

KUOM (243.8m-1230kc), U. of Montana.
WHAZ (379.5m-790kc), Educational talks.

10:05	9:05	8:05	7:05	6:05

KFAB (340.7m-880kc), Vocational possibilities.

11:15	10:15	9:15	8:15	7:15

KWSC (348.6m-860kc), History courses.

1:15a.m.	12:15	11:15	10:15	9:15

KGO (361.2m-830kc), "Character Training."

Tuesday

Atlantic	Eastern	Central	Mountain	Pacific
8 p. m.	7	6	5	4

WKAR (285.5m-1050kc), Nature study.

8:30	7:30	6:30	5:30	4:30

WBZ (333.1m-900kc), Journalism, Edward E. Whiting.

9:15	8:15	7:15	6:15	5:15

KDKA (309.1m-970kc), U. of Pittsburgh.

9:20	8:20	7:20	6:20	5:20

WLW (422.3m-710kc), Science series.

9:30	8:30	7:30	6:30	5:30

WRC (468.5m-640kc), Radio school of international relations.
WTAG (367.7m-1120kc), Topics from U. S. History, H. Allan Dickie.

9:45	8:45	7:45	6:45	5:45

KLDS (440.9m-680kc), Astronomy.

10	9	8	7	6

WMAQ (447.5m-670kc), Lecture, University of Chicago.

11:30	10:30	9:30	8:30	7:30

KFMX (336.9m-890kc), Carleton College Fine Arts.

Wednesday

Atlantic	Eastern	Central	Mountain	Pacific
6:30 p. m.	5:30	4:30	3:30	2:30

WNYC (526m-570kc), Spanish lesson, V. H. Berlitz.

Atlantic	Eastern	Central	Mountain	Pacific
7 p. m.	6	5	4	3

WJZ (454.3m-660kc), New York university.

10	9	8	7	6

WMAQ (447.5m-670kc), Lecture, Northwestern university.

9:15	8:15	7:15	6:15	5:15

KDKA (309.1m-970kc), U. of Pittsburgh.

9:30	8:30	7:30	6:30	5:30

WSUI (483.6m-620kc), College of the Air.

10:15	9:15	8:15	7:15	6:15

WEMC (265.3m-1130kc), Bird chats.

11	10	9	8	7

WSAI (325.9m-920kc), U. of Cincinnati.

Thursday

Atlantic	Eastern	Central	Mountain	Pacific
8 p. m.	7	6	5	4

WKAR (285.5m-1050kc), Nature study series.
WSUI (483.6m-620kc), Correspondence courses.

10	9	8	7	6

CKY (384.4m-780kc), Nature study talk, Prof. V. W. Jackson.
KUOA (299.8m-1000kc), U. of Arkansas.

11	10	9	8	7

KUOM (243.8m-1230kc), U. of Montana.
WMAQ (447.5m-670kc), U. of Chicago.

Friday

Atlantic	Eastern	Central	Mountain	Pacific
6:30 p. m.	5:30	4:30	3:30	2:30

WNYC (526m-570kc), French lesson.

7	6	5	4	3

WJZ (454.3m-660kc), New York university course.

7:40	6:40	5:40	4:40	3:30

WGY (379.5m-790kc), French lesson.

7:45	6:45	5:45	4:45	3:45

WTIC (475.9m-630kc), Cartoon lessons, Bud Kingston.

9:15	8:15	7:15	6:15	5:15

KDKA (309.1m-970kc), U. of Pittsburgh.

11:15	10:15	9:15	8:15	7:15

KWSC (348.6m-860kc), State College of Washington.

11:45	10:45	9:45	8:45	7:45

KOAC (280.2m-1070kc), "Geology," D. C. Livingston.

WEAF, New York, N. Y. (491.5m-610kc), 4-12 midnight, Harmony Martins, tenor, soprano; Mary Loveridge Robbins, soprano; Mabel E. Deegan, violinist; Hotel Waldorf-Astoria; A. and P. Gypsies; Pearl Fishers; WEAF Grand Opera company; Ben Bernie and his orchestra.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra.

WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., Woodcliff orchestra; 8, Jack Stack and friends; 9, popular program, Wheat's division, General Ice Cream company; 10, Amherst choral club; 11, Vincent Lopez Hotel Statler dance orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra.

WJAR, Providence, R. I. (305.9m-950kc), 7:45 p. m., musicale; 9-11, WEAF.

WJZ, New York, N. Y. (454.3m-660kc), 7 p. m., Hotel Commodore dinner concert; 8, Astor Coffee orchestra; 9, Revelers; 10, Moorland hour; 10:45, Waldorf Astoria orchestra.

WLIT, Philadelphia, Pa. (394.5m-760kc), 8 p. m., Short Agro Waves; 9, Stanley Hour of Music; 10, Arcadia cafe dance orchestra; 10:30, vaudeville features, Fay's Knickerbocker theater; 10:45, El Patio dance orchestra.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Sylvania dinner dance orchestra; 8, WEAF; 11, Ritz Carlton dance orchestra.

WRVA, Richmond, Va. (256.3m-1170kc), 9 p. m., Tri-City, New Bern, Moorehead, Moorehead Bluff; 11-12 midnight, Harold Lawrence orchestra.

WTIC, Hartford, Conn. (475.9m-630kc), 8 p. m., Fely Clement, grand opera prima donna; 8:30, Emil Heimberger's Hotel Bond dance orchestra; 9, WEAF; 10, Travelers symphonic ensemble.

Eastern Standard or Central Daylight Saving Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 9 p. m., Ruud Light Opera hour.

WABQ, Haverford, Pa. (261m-1150kc), 11 p. m., Ardmore theater program.

WGHB, Clearwater, Fla. (265.3m-1130kc), 8:30-10 p. m., diversified program, Mrs. Frank Delemater; L. Joy, pianist.

WHAZ, Troy, N. Y. (379.5m-790kc), 8:30 p. m., concert, Troy conservatory of music; 9:30, dance orchestra.

WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., concert, Hotel Gibson orchestra; 8, Crosley Little symphony orchestra; male quartet; 10, Henry Theis' orchestra.

WOOD, Grond Rapids, Mich. (241.8m-1240kc), 9-10 p. m., classical concert; 10-11, "The Key to the Door"; 11-12 midnight, "17th Woodpile."

WSAI, Cincinnati, Ohio (325.9m-920kc), 10-12 midnight, musicale.

WTAM, Cleveland, Ohio (389.4m-770kc), 6-7 p. m., dinner hour, Carl Rupp and his Hotel Hollenden orchestra; 8-11, Cleveland's city band, artists; 11-12 midnight, Austin Wylie's Recording orchestra; 12-1 a. m., Guy Lombardo and his Royal Canadians dance orchestra.

WOAW, Omaha, Nebr. (526m-570kc), 6:20 p. m., popular song period, Frank Peterson, tenor; Helen Higgins, pianist; 6:50, Randall's Royal Fontenelle orchestra; 9, classical.

WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., Beasley Smith's orchestra; 8, Mrs. Clarence Sutherland; 10, Vito Pellettieri and his orchestra.

WSMB, New Orleans, La. (319m-940kc), 9:30-12:30 a. m., Dixola orchestra, Strand orchestra.

WSUI, Iowa City, Iowa (483.6m-620kc), 8 p. m., faculty program.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 5:30 p. m., matinee program; 6:30, Vest Pocket program; 7, Owen Fallon and his Californians, Garnet Kibler, blues singer; 8, Guzman trio; Jean Hayden, soprano; 9, Virginia Flohri, soprano; Thomas Mancini, violinist; Heinrich Tandler string quartet; Ivan Edwards, Nicholas Ochi Albi; 10, program, Meiklejohn Brothers.

KGO, Oakland, Calif. (361.2m-830kc), 8 p. m., selections from "The Bartered Bride."

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-9, vocal and instrumental concert; 9-10, vocal and instrumental; 10-12, Cole McElroy's dance orchestra.

KTAB, Oakland, Calif. (239.9m-1250kc), 8-10 p. m., concert.

KWSC, Pullman, Wash. (348.6m-860kc), 7:15 p. m., women's league, State college.

Tuesday, May 11

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
9 p. m.	8	7	6	5

KFNF (263m-1140kc), Hawaiian music.

9:30	8:30	7:30	6:30	5:30

KDKA (309.1m-970kc), Oratorio evening.

10	9	8	7	6

KOIL (277.6m-1080kc), Bohemian program.
WGN (302.8m-990kc), "Peer Gynt."
WHB (365.6m-820kc), Ukulele songsters.

12 m.	11	10	9	8

WSM (282.8m-1060kc), Dance frolic.

For stations silent tonight refer to first Tuesday's list.

Atlantic or Eastern Daylight Saving Time Stations

WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert; 8-11, WEAF; 10, WEAF; 11:05, Kenyon theater.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30 p. m., Snellenburg instrumental trio; 8, theater digest, Abe. Lipschutz; 8:10, The Three Brothers; 8:45, popular songs; 9, Robert Frazer, blind gospel singer; 9:30,

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BY SPECIAL arrangement, Radio Digest is able to offer its readers a great opportunity to secure fine photogravures of their favorite Radio stars at practically no cost.

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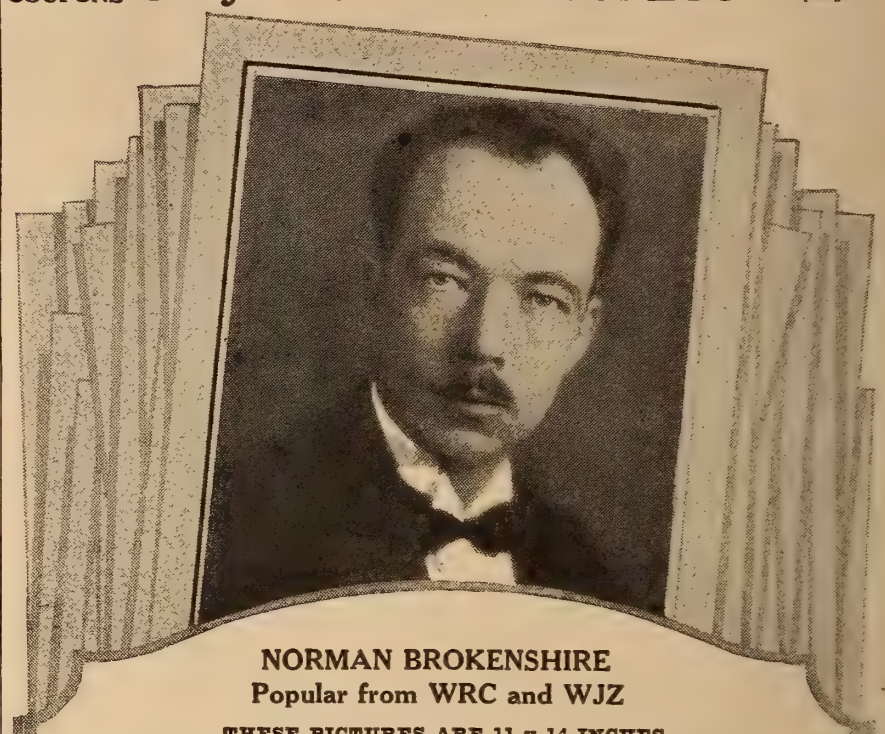

NORMAN BROKENSHIRE
Popular from WRC and WJZ

THESE PICTURES ARE 11 x 14 INCHES

Select Your Favorites from the Gallery of Radio Stars

1 Wendell Hall, king of ukulele ditties
2 Graham McNamee, 1925 Gold Cup announcer
3 Jack Little, popular wandering balladist
4 Billy B. Van, the Sunshine Man
5 Coon-Sanders' "Nighthawks" at KYW
6 George Hay, 1924 Gold Cup announcer
7 Harmony Girls, Edith Carpenter, Grace Ingram
8 Ford and Glenn, Lullaby Boys of WLS
9 "Roxy" Rothafel of WEAF chain fame
10 The Hired Hand, famous "Substitute Announcer" of WBAP
12 Bob Emery, Big Brother of WEEI
13 "Bill" W. G. Hay, ex-KFKX, now of WLIB
14 Happiness Boys, jovial singers of WEAF
15 Lambdin Kay, "Little Colonel" of WSB
16 Leo Fitzpatrick, "Merry Old Chief," WJR
17 Henry Field, 1925 Gold Cup runner-up
18 Al Carney, organ favorite at WHT
20 Vincent Lopez, No. 1 Pennsylvania orchestra
21 E. L. Tyson, pleasing voice at WWJ
23 Art Gillham, "The Whispering Pianist"
25 Harry Ehrhart, "Dream Daddy" of WLIT
26 Correll and Gosden of "Kinky Kids Parade" fame, at WEBH and other stations.
27 Norman Brokenshire, popular at WRC, WJZ
29 Jane Novak, Blues Singer of Twin Cities, WCCO
30 Jean Sargent, the original, now at WHT
31 Ralph Emerson, popular organist at WLS
32 Edna Adams, of KPRC
33 Pat Barnes, vaudeville announcer at WHT
38 Walter Wilson, "Uncle Bob" of KYW
40 Ray-O-Vac Twins, known country-wide
41 Art Linick, KYW's Mrs. Schlagenhauer
42 Fred Hamm of WTAS, now WLIB, fame
43 Meyer Davis' Le Paradis orchestra of WRC
46 D. R. P. Coats, 1925 Silver Cup announcer
47 Gene Rouse, WOAW's popular announcer
49 Iris Ruth Pavey, KOA's invisible stage beauty
51 Ipana Troubadours, on the WEAF Chain.

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Order by Number.....

RADIO DIGEST PUBLISHING CO.
510 N. Dearborn St. Chicago, Ill.

Tuesday, May 11

Esther Lawrence and her Players; 10, Eddie Malle and Danny Dougherty, popular songs; 10:30, Billy Hayes and his Cathay Tea Garden dance orchestra.

WEAF, New York, N. Y. (491.5m-610kc), 4-12 midnight, Vincent Lopez and his orchestra; Henri Beaugard, tenor; Edward E. Steele, blind pianist; Grand Prize Eurekas; Gold Dust Twins; Eveready hour; Ross Gorman and his orchestra.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra; 8-10:30, WEAF; 10:30, WEAF.

WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., Vincent Lopez Hotel Statler dance orchestra; 8, WEAF.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Monte Cross, "old-timer"; 6:15, Nat Martin and his orchestra; 8:15, Shapp instrumental trio; 9, recital, Perley Dunn Alrich studio; 10:05, Emo's weekly movie talk; 10:30, El Patio dance orchestra.

WJAR, Providence, R. I. (305.9m-950kc), 7:30 p. m., musicale; 8-10, WEAF.

WJZ, New York, N. Y. (454.3m-660kc), 7 p. m., Irish Wolfhound; 8:30, Deltah Pearl hour, WRC, WGY; 9, U. S. Marine band; 10, Grand tour, "Scotland," WRC; 10:45, George Olsen's Hotel Pennsylvanai grill orchestra.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Adelphia dance orchestra.

Eastern Standard or Central Daylight Saving Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 5:30 p. m., KDKA Little Symphony orchestra; 8:30, oratorio evening, KDKA Little symphony orchestra; 11:35, concert, Grand theater.

WBBM, Chicago, Ill. (225.4m-1330kc), 8-9:30 p. m., Alemite orchestra; 9:30-10, Moss Covered melodies; 10-11, Harmonious hash; 11-12 midnight, dance period.

WCBD, Zion, Ill. (344.6m-870kc), 8 p. m., Hire trio; Wiedman Sisters; Daniel Mason, Eric Carey.

WEBH, Chicago, Ill. (370.2m-810kc), 7-8 p. m., Edgewater Beach Hotel Oriole orchestra; Kathryn Forbes; Lydia Lochner; 9:10-10, Uptown theater; 11-12:30 a. m., Gail Bandell; Syncopating Serenaders.

WGN, Chicago, Ill. (302.8m-990kc), 6:45-7:15 p. m., Blackstone string quintet, Drake concert ensemble; 8-9, WEAF; 9-10, "Peer Gynt"; 10-10:10, Sam 'n' Henry; 10:10-10:20, musical program; 10:20-10:40, play shop; 10:40-11, musical program, ensemble.

WHT, Chicago, Ill. (399.8m-750kc), 7 p. m., organ recital, Al Carney; 7:40, Grayling's ensemble; 7:50, Loftis Diamond quartet; 8:45-10:15 (238m-1260kc), Cinderella cafe orchestra; 10:30 (399.8m-750kc), Kitchen Klenzer entertainers; 10:50, Pat Barnes and Al Carney; 11:10, U. S. L. half hour of dance music.

WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., Chester Newman, baritone; WIBO string trio; midnight jamboree.

WJAZ, Chicago, Ill. (329.5m-910kc), 9-1 a. m., Club Chez Pierre; Earl Hoffman orchestra; Pierre revue.

WJJD, Mooseheart, Ill. (370.2m-810kc), 8-9 p. m., children; 10-11, Palmer House Victorians; Rushmore ensemble singers; 12:30, settin' up hour.

WLIB, Chicago, Ill. (302.8m-990kc), 7:15-7:20 p. m., The Million Sing; 7:20-7:30, Old Fashioned Almanack; 7:30-8, WEAF; 11-11:20, songs, Correll and Gosden; 11:20-12:30 a. m., ensemble, Charley Straight's Rendezvous cafe orchestra; Drake dance orchestra.

WLS, Chicago, Ill. (344.6m-870kc), 6:40 p. m., College Inn orchestra; 7:15, Maurie Sherman's College Inn orchestra; 7:30, Ralph Emerson, organist.

WLW, Cincinnati, Ohio (422.3m-710kc), 6 p. m., Norrine Gibbons and her girl friend; 6:30, Mary Barbara; 7:30, piano memories, Mary Woseczek; 8, Tenth Infantry band concert; 9, Formica concert.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., organ; 6:30, Sheetz Hotel LaSalle orchestra; 9:20, program; 9:55, chimes.

WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9-11 p. m., Henry Ford Old Time dance.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., dinner concert; 10-1 a. m., Rainbo Skylarks; Rose Vanderbosch; Everett George Opie, reader; Ila Shannabrook, soprano; Will Rossiter; Tell Taylor; Johnny Poat; 1-2, Ginger hour.

WRC, Washington, D. C. (468.5m-640kc), 7:30 p. m., U. S. Marine band orchestra; 7, WJZ; 7:30, to be announced; 10:30, Hotel Mayflower orchestra.

WRVA, Richmond, Va. (256.3m-1170kc), 11 p. m., Old South Negro quartet; 11:30, J. Harold Lawrence, blind pianist; 12-1, Hotel Richmond Winter Garden orchestra.

WSAI, Cincinnati, Ohio (325.9m-920kc), 6 p. m., twilight musicale; 7, WEAF; 7:30, musicale; 8, WEAF; 9, entertainment; 9:30, Hawaiian musical program.

WSWS, Chicago, Ill. (275.8m-1090kc), 8 p. m., Terrace Garden orchestra; popular artists; 9, Skylark quartet; Terrace Garden five.

WTAM, Cleveland, Ohio (389.4m-770kc), 6-7 p. m., dinner music, Guy Lombardo and his Royal Canadians.

WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7, WEAF.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., dinner concert; 8:05-10:30, University of Nebraska.

KFDM, Beaumont, Texas (315.6m-950kc), 8-9 p. m., Magnolia Petroleum company's Refinery orchestra; 9-10, Southern Ramblers' orchestra.

KFH, Wichita, Kans. (267.7m-1120kc), 7-8 p. m., Gage Brewers' Hawaiians.

KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., Hawaiian music concert.

KFUO, St. Louis, Mo. (545.1m-550kc), 6:30 p. m., Bible story, "Jesus Goes Up into Heaven"; zither duet, Mr. and Mrs. Zalaudek.

KMA, Shenandoah, Iowa (252m-1190kc), 9-11 p. m., May's Mandolin Musicians.

KOIL, Council Bluffs, Iowa (277.6m-1080kc), 6 p. m., Wilson Doty, pianist; 6:35, Royal Fontenelle orchestra; 7:35, Robert Reid, violinist; Bertha Reid, pianist; Virgil Reid, banjoist; 8, Bohemian program; 11, Hotsy Totsy hour.

KPRC, Houston, Texas (296.9m-1010kc), 7:30 p. m., dance orchestra; 8:30, courtesy program; 9, Skyline studio concert.

KSO, Clarinda, Iowa (241.8m-1240kc), 7 p. m., J. H. Todd orchestra.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:30-10:30 p. m., dance concert, New Arlington hotel orchestra; 10:30-10:45, Violet Belding, contralto; Elizabeth Bowe, accompanist.

KUOA, Fayetteville, Ark. (299.8m-1000kc), 8 p. m., Harry E. Shultz, baritone; University glee club quartet.

KYW, Chicago, Ill. (535.4m-560kc), 5:30-6 p. m., dinner concert; 6-7, American studio, 7:30-8, Congress hotel; 9-9:30, classical concert; 9:30-10:30, Congress carnival.

WBAP, Fort Worth, Texas (475.9m-630kc), 7:30-8:30 p. m., School of Music, Southwestern Baptist seminary; 9:30-11, classical program.

WFAA, Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m., Jimmie Joy's orchestra; 8:30-9:30, Southern Methodist University faculty musicians; 11-12 midnight, Jack Gardner's orchestra.

WGBF, Evansville, Ind. (236.1m-1270kc), 8 p. m., old fiddlers; 9, musicale.

WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., concert, Eddie Rosson and his concert orchestra.

WHB, Kansas City, Mo. (365.6m-820kc), 7-7:45 p. m., Morrill Moore, organist; 8-9, Harry Taylor, Sam Martin; 9-10, variety program.

WHO, Des Moines, Iowa (526m-570kc), 7:30-8 p. m., Raleigh quintet; 8-9, varied musical program; 11-12 midnight, Bankers Life Corn Sugar orchestra.

WOAI, San Antonio, Texas (394.5m-760kc), 8:30 p. m., Gebhardt Mexican players.

WOAW, Omaha, Nebr. (526m-570kc), 6 p. m., Hugo Heyn, xylophonist; 6:50, Ed Myers and his Peony Park orchestra; 9, program; 10:30, Frank Hodek and his Nightingale orchestra.

WSM, Nashville, Tenn. (282.8m-1060kc), 10 p. m., frolic.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 5:30 p. m., program, Charles Beauchamp; 6:30, Werden Neal Reinert, baritone; 7, Jack Rinehart's Chinese Garden orchestra; 7:30, Evelyn Ford; 8, Screen artists' quartet; 9, Spanish music; Olga Steffani, Angelus trio; 10, Packard Radio club.

KGO, Oakland, Calif. (361.2m-830kc), 8-9 p. m., Eveready program; "Royalty on the Radio," vaudeville, Frank M. Turner; 9:10-10, program, Tupper and Reed; 10-12 midnight, dance music.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 10-12 midnight, dance music, Curt Kramer, soloist.

KPSN, Pasadena, Calif. (315.6m-950kc), 8-9 p. m., Adolf Tandler instrumental group.

KTAB, Oakland, Calif. (239.9m-1250kc), 8-9 p. m., educational program, Mills college.

Wednesday, May 12

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
9 p. m.	8	7	6	5

WLW (422.3m-710kc), Excerpts from "Martha."

10	9	8	7	6

WGR (319m-940kc), Two-piano program.
WSM (282.8m-1060kc), Scarritt college program.

10:15	9:15	8:15	7:15	6:15

WRVA (256.3m-1170kc), Special features.

10:30	9:30	8:30	7:30	6:30

WSMB (319m-940kc), Negro spirituals.

12:30 a. m.	11:30	10:30	9:30	8:30

WHB (365.6m-820kc), Midweek musical program.

For stations silent tonight refer to first Wednesday's list.

Atlantic or Eastern Daylight Saving Time Stations

WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert; 8-9, WEAF; 9, Kramer's orchestra; 10, WEAF.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30 p. m., recital, N. Snellenburg and company; 8:10, Joe Murphy, pianist; 8:30, Clarence Seaman and his Pennsylvania concert orchestra; 9, recital; 9:25, Ruppert and McCullough, banjoists; 10:30, Carl Zoehrns and Lou Herscher, popular songs; 10:45, Frank Cook, old-time songs; 11, Arthie Bittong's Cheer-Up club.

WEAF, New York, N. Y. (491.5m-610kc), 4-12 midnight Catherine Merrill, violinist; Marjorie, Mott Dreher, soprano; Isabelle Shiebler, pianist; Vincent Lopez and his orchestra; Ritz Carlton hotel; Shinola Marrymakers and the Gentleman of 2 in 1; Davis saxophone octet; Ipana Troubadours; Heath Inn orchestra.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra.

WGR, Buffalo, N. Y. (319m-940kc), 6:10 p. m., Rainbow dance orchestra; 8, WEAF; 10, two-piano program, Ruth Spaeth, Helen A. Maxwell; 10:30, classical program, featuring Henrietta Hacker; 11, Olympic dance orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra.

WJAR, Providence, R. I. (305.9m-950kc), 7:30 p. m., WEAF; 9, musicale; 10, tabloid play.

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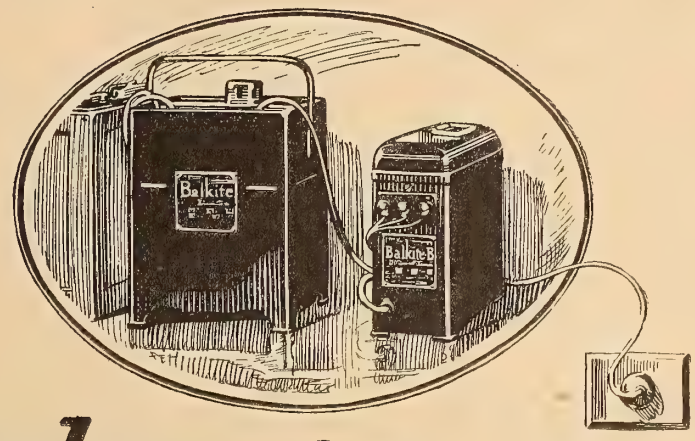

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Wednesday, May 12

WJZ, New York, N. Y. (454.3m-660kc), 8 p. m., Imperial Imps; 8:30, Lewissohn free chamber music; 10:45, George Olsen's Pennsylvania grill orchestra.
WLIT, Philadelphia, Pa. (394.5m-760kc), 8 p. m., Arcadia cafe concert orchestra; 9, recital; 10, Arcadia cafe dance orchestra; 10:45, El Patio dance orchestra.
WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Sylvania dance orchestra; 8, WEAF; 9:20, recital; 10, Fox theater studio program; 10:30, Sylvania dance orchestra.

Eastern Standard or Central Daylight Saving Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 8:30 p. m., concert.
WBBM, Chicago, Ill. (225.4m-1330kc), 8-10 p. m., popular period; 12-2 a. m., Alemite orchestra.
WCAP, Washington, D. C. (468.5m-640kc), 7-7:30 p. m., WEAF; 8-10, WEAF.
WEBH, Chicago, Ill. (370.2m-810kc), 7-8 p. m., Osborn's orchestra; Florence Behrend; Frank Greif; Frank Bordner; 9:15-10, Osborn's orchestra; Frank Bordner; Lawrence Salerno; 11-12:30 a. m., Oriole orchestra; Kay Ronayne, Florence Behrens.
WGHB, Clearwater, Fla. (265.3m-1130kc), 8:30-10 p. m., diversified program; Rex Dantzler, tenor; Marion Hoffman, pianist.
WGN, Chicago, Ill. (302.8m-990kc), 6:45-7:15 p. m., Blackstone string quintet; 8-9, musical program; 9-10, May concert; 10-10:10, Sam 'n' Henry; 10:10-10:20, studio music; 10:20-11, musical program.
WHT, Chicago, Ill. (399.8m-750kc), 7 p. m., Bernice Taylor, soprano; Edwin Kemp, tenor; 7:20, Borden organ recital; 8, Ray-O-Vac concert; 8:45-11:40 (238m-1260kc), Cinderella cafe orchestra; 12 mid., (399.8m-750kc), your hour league.
WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., Dorothy Rae, soprano; Charles Champlin, baritone; 10-12 midnight, popular program.
WJAZ, Chicago, Ill. (329.5m-910kc), 9-1 a. m., opera club.
WJJD, Mooseheart, Ill. (370.2m-810kc), 8-9 p. m., Mooseheart children; 10-11, Palmer House Victorians; Isabel Defaut; Simeon Oliver; 12:30 a. m., settin' up hour.
WLIB, Chicago, Ill. (302.8m-990kc), 7:20-7:30 p. m., Old Fashioned Almanack; 11-11:20, songs, Correll and Gosden; 11:20-12:30 a. m., ensemble, Charley Straight's Rendezvous cafe orchestra; Drake hotel dance orchestra.
WLS, Chicago, Ill. (344.6m-870kc), 6:40 p. m., Maurie Sherman's College Inn orchestra; 7:30, Ralph Emerson, organist; 8, popular music; 9, WLS trio; 10, music; 11-1 a. m., circus.
WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., Hotel Gibson concert; 7:40, concert; 8, performance, second act of "Martha," opera; 9, National Hospital day program; 10, Thorobred artists; 11, Post's popular program.
WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., organ; 6:30, Hotel LaSalle orchestra; 8:25, to be announced; 8:55, WMAQ players.
WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9-11 p. m., "16-Fingered Paul"; Moke Martin; Helen Neuman; Sid Goldman; Jim Forshey; Ruth Glaser.
WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Gardens orchestra; 10-1 a. m., Rainbo Skylarks; Melodians; Joe Warner; Oxford Girls; 1-2, Ginger hour.
WRVA, Richmond, Va. (256.3m-1170kc), 7:30 p. m., Robert Hyde, organist; 8:45, Smithers Hawaiian orchestra; 9:15, Petersburg talent.
WSAI, Cincinnati, Ohio (325.9m-920kc), 6:45 p. m., chimes; 7, WEAF; 7:30-8, WEAF; 10:15, Congress Playing Card string quartet.
WSWS, Chicago, Ill. (275.8m-1090kc), 8 p. m., Ray Dean; Terrace Garden orchestra; Tennessee Ginger Snaps; 10, Ruby Rossiena; Dave Darcie; Terrace Garden Five.
WTAM, Cleveland, Ohio (389.4m-770kc), 6-7 p. m., dinner music, Carl Rupp and his Hotel Hollenden orchestra; 8-11, Public Auditorium program; 11-1 a. m., dance music, Guy Lombardo and his Royal Canadians.
WTIC, Hartford, Conn. (475.9m-630kc), 7 p. m., Hartford Saengerbund, Eric Tesche, tenor; 8:15, Laura Gaudet, pianist; 8:30, Esther Nelson, organist; 9, light opera program.
WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7, WEAF; 7:30, orchestra; 8, WEAF; 9, WEAF.

Central Standard Time Stations

CNRW, Winnipeg, Canada (384.4m-780kc), 9 p. m., choral society; 10, Supper-Dance club.
KFH, Wichita, Kans. (267.7m-1120kc), 7-8 p. m., classical concert.
KFKX, Hastings, Nebr. (288.3m-1040kc), 9-11 p. m., Lincoln program.
KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., Henry Field Seed company.
KFUO, St. Louis, Mo. (545.1m-550kc), 9:15 p. m., question box; "Shall We Keep the Old Testament Sabbath?" Prof. J. Mueller; musical program, Concordia instrumental quartet.
KMA, Shenandoah, Iowa (252m-1190kc), 9-11 p. m., popular musical program.
KPRC, Houston, Texas (296.9m-1010kc), 6:30 p. m., Harold Oxley's Warwick hotel orchestra; 7:30, Jack Willrich's orchestra; 8:30, Frank Tilton, blind wonder boy pianist; 10:30, End O'Main dance pavilion.
KSO, Clarinda, Iowa (241.8m-1240kc), 7 p. m., Duncan sisters; 7:30 Merry Seven orchestra.
KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:05-9:45 p. m., Lon Chassy, violinist; Edward Richter, cellist; John Heyn, pianist; 9:45-10, Lawson Reid, organist; 10-10:45, Southerners dance orchestra.
KYW, Chicago, Ill. (535.4m-560kc), 5:30-6 p. m., Congress hotel dinner concert; 6-7, musicale; 8-9:30, classical concert; 9:30-10:30, carnival.
WCOA, Pensacola, Fla. (222m-1350kc), 7 p. m., J. Sandusky, vocalist; Mt. Olive Jubilee singers, spiritual melodies; Ray Dinsmore, cellist; Imogene Jones, pianist; Dan Saccaro, harmonica selections; Mrs. C. Kelly and John Frenkel, operatic duet; symphony orchestra.
WEMC, Berrien Springs, Mich. (285.5m-1050kc), 8:15 p. m., Gladys McCullis, pianist; DeWitt Smith, pianist; Hoosier male quartet; Mrs. A. Hendelman, reader.
WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., concert, Jake Seligman and his Kentucky Night Owls.
WHB, Kansas City, Mo. (365.6m-820kc), 7-8 p. m., Alma Nash, banjo orchestra; 10:30-11:30, midweek musicale program.
WHO, Des Moines, Iowa (526m-570kc), 6-7 p. m., Bankers Life Little Symphonic orchestra; 7:15-8:15, Irene Doran and her little symphony orchestra; 8:15-9, Kate Miller, whistler; Maude Hughes, accompanist; Harry Lewis, popular song soloist; Norman Broholm, pianist; 9-12 midnight, dance.
WOAI, San Antonio, Texas (394.5m-760kc), 8:30 p. m., Army night, Ft. Sam Houston.
WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., Beasley Smith's orchestra; 8, Scarritt college; 10, Mrs. Robert M. Fairchild and artists.
WSMB, New Orleans, La. (319m-940kc), 9:30-11:30 p. m., Straight college spirituals; Cotton Pickin's twins; old tunes made new.
WSUI, Iowa City, Iowa (483.6m-620kc), 8:30 p. m., musicale.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 5:30 p. m., Carl Allen's Hollywood orchestra; 6:30, Betty Polo, Bob Gilbert; 7, Grebe and company program, string ensemble; 7:30, Nick Harris detective stories; 8, Virginia Flohri, soprano; Robert Hurd, tenor; Ventura string quartet; 9, Heine Ouellette, tenor; 10, popular program.
KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-9, concert; 9-10, vocal and instrumental music; 10-11, concert, Sherman, Clay and company.
KOAC, Corvallis, Ore. (280.2m-1070kc), 7:20 p. m., piano solos.
KTAB, Oakland, Calif. (239.9m-1250kc), 8-10 p. m., program.
KWSC, Pullman, Wash. (348.6m-860kc), 7:15 p. m., sax duets, Vincent Hiden, Ed Chittenden; Inky Henneberg, banjoist; Swede Danielson; Norman Benson, vocalist; Erna Greene, reader.

Thursday, May 13

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
9 p. m.	8	7	6	5

WIP (508.2m-590kc), Scandinavian chorus.
KTHS (374.8m-800kc), Traditional Jewish chants.

Atlantic	Eastern	Central	Mountain	Pacific
10	9	8	7	6

KDKA (309.1m-970kc), Old Fashioned quartet.
WHB (365.6m-820kc), King Joy Lo Syncopators.

Atlantic	Eastern	Central	Mountain	Pacific
10:45	9:45	8:45	7:45	6:45

WRVA (256.3m-1170kc), Old Square dance orchestra.

Atlantic	Eastern	Central	Mountain	Pacific
12 m.	11	10	9	8

KFI (467m-642kc), Composers' hour.

Atlantic	Eastern	Central	Mountain	Pacific
1 a. m.	12	11	10	9

WBAP (475.9m-630kc), "A Step On the Stairs," mystery serial.

For stations silent tonight refer to first Thursday's list.

Atlantic or Eastern Daylight Saving Time Stations

WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert; 8, concert; 8:30, WEAF; 9, WEAF; 10, WEAF.
WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:30 p. m., Billy Hayes and his Cathay Tea Garden dance orchestra; 8, The Eight Bright Boys; 8:30, recital; 8:45, The Kandy Kids; 9, Barry O'Moore, Irish tenor; 9:30, the Musical Chefs; 10, Sesquicentennial hour; 11, dance orchestra.
WEAF, New York, N. Y. (491.5m-610kc), 4-12 midnight, Isabel Parkman, soprano; L'Etoile trio; Paul Winnell, baritone; Vincent Lopez and his orchestra; Hires Harvesters; Clicquot club Eskimos; Silvertown Cord dance orchestra.
WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra; 8-11, WEAF.
WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., Vincent Lopez Hotel Statler dance orchestra; 8, WEAF.
WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 8:15, Etude hour; 9, Scandanavian chorus; 10:05, Nat Martin's orchestra.
WJAR, Providence, R. I. (305.9m-950kc), 8 p. m., Hudson-Essex orchestra; 9-11, WEAF.
WJZ, New York, N. Y. (454.3m-660kc), 7 p. m., Hotel Vanderbilt orchestra; 9, Royal Typewriter Salon orchestra; 10, Record Boys; 10:30, Hotel Astor Orangerie orchestra.
WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Adelphia dance orchestra.

Eastern Standard or Central Daylight Saving Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 8:30 p. m., half hours with famous composers; 9, Old Fashioned quartet; 11, concert.
WBBM, Chicago, Ill. (225.4m-1330kc), 8-10 p. m., popular music; 10-10:30, Moss Covered melody period; 10:30-11, Alemite orchestra, artists; 11-12 midnight, dance period.
WCBD, Zion, Ill. (344.6m-870kc), 8 p. m., Treble Cleff chorus; L. J. Hire, violist; Miriam Hollingshead, flutist; Dorothy Bull, soprano; Mark Whiteside, baritone; Florence Farrar, contralto; Marion Lee, reader.
WEBH, Chicago, Ill. (370.2m-810kc), 7 p. m., special recital; 9:15, Oriole orchestra; Ruth Buhl Flick, reader; Dorothy Herman Blum; 11-12:30 a. m., Oriole orchestra; Pat Ward; Rita McFawn, Mary Bieber.
WGN, Chicago, Ill. (302.8m-990kc), 6:45-7 p. m., Blackstone quintet; 8-9, WEAF; 9-10, WEAF; 10-10:10, Sam 'n' Henry; 10:10-10:20, musical program; 10:20-10:40, play shop; 10:40-11, ensemble.
WHT, Chicago, Ill. (399.8m-750kc), 7 p. m., Al Carney, organist; 7:30, Grayling's ensemble; May Martin, contralto; 8:45-10:15 (238m-1260kc), Cinderella cafe orchestra; 10:30, (399.8m-750kc), Kitchen Klenzer Klassics; 11:10, U. S. L. entertainers.
WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., dinner concert; 12 midnight, jamboree.
WJAZ, Chicago, Ill. (329.5m-910kc), 9-12 midnight, classical program, Spanish Garden studio.
WLIB, Chicago, Ill. (302.8m-990kc), 7-7:05 p. m., The Million Sing; 7:05-7:15, The Old Fashioned Almanack; 7:15-8, WEAF; 11-11:20, Correll and Gosden; 11:20-12:30 a. m., ensemble; Charley Straight's Rendezvous cafe orchestra; Drake hotel dance orchestra.
WLS, Chicago, Ill. (344.6m-870kc), 7:15 p. m., College Inn orchestra; 7:30, Ralph Emerson, organist.
WLW, Cincinnati, Ohio (422.3m-710kc), 6:15 p. m., musical handshakes, Crosley Hello Boys; 7, Hotel Gibson dinner concert; 7:40, concert; 8:30, concert; 10:03, Doherty Melody Boys; 10:40, popular songs, Ray Sullivan; 11, Castle Farm dance music; 12:15 a. m., Night Howls, Crosley Sky Terriers.
WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., organ; 6:30, Hotel LaSalle orchestra; 8, to be announced; 9:20, musicale.
WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Gardens orchestra; 10-1 a. m., Rainbo Skylarks; Jerry Sullivan; Rose Vanderbosch; Hal Lansing; Bert Davis; 1-2, Ginger hour.
WRC, Washington, D. C. (468.5m-640kc), 7 p. m., New Willard hotel orchestra; 7:30, WJZ; 8, WJZ; 9:20, WJZ; 10:30, Meyer Davis' LeParadis band.
WRVA, Richmond, Va. (256.3m-1170kc), 7 p. m., East End Business Men's club orchestra; 9:30, novelty stunts; 9:45-11:30, old square dance orchestra.
WSAI, Cincinnati, Ohio (325.9m-920kc), 7 p. m., WEAF; 7:15-10, WEAF.
WSWS, Chicago, Ill. (275.8m-1090kc), 7 p. m., orchestra; 10-12 midnight, Rocky Mt. male quartet; Terrace Garden Five; Alfred Holmes, ballads.
WTAM, Cleveland, Ohio (389.4m-770kc), 6-7 p. m., Austin Wylie's orchestra.
WTIC, Hartford, Conn. (475.9m-630kc), 5:50 p. m., Bond trio.
WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7, WEAF.

Central Standard Time Stations

KFH, Wichita, Kan. (267.7m-1120kc), 7-8 p. m., American Legion quartet.
KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., old-time music.
KMA, Shenandoah, Iowa (252m-1190kc), 9-11 p. m., Delmonico Dreamers' orchestra.
KOIL, Council Bluffs, Iowa (277.6m-1080kc), 6 p. m., Mona Motor Oil entertainers; 6:35, Art Marr's Imperial dance orchestra; 7:35, Wilson Doty, pianist; 8, Harm Jazz orchestra; 11, Charlestonians.
KPRC, Houston, Tex. (296.9m-1010kc), 7:30 p. m., Harry Kobusch and his orchestra; 9, E. W. Rodgers, tenor; Mrs. Corrine Hart, blues pianist.
KSO, Clarinda, Iowa (241.8m-1240kc), 7 p. m., music; 7:30, Runnells Twins.
KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:05-9:45 p. m., Traditional Jewish chants and music; 9:45-10:30, New Arlington hotel dance orchestra.
KUOA, Fayetteville, Ark. (299.8m-1000kc), 8:30 p. m., Lorraine Allen, pianist.
KYW, Chicago, Ill. (535.4m-560kc), 5:30-6 p. m., Congress hotel dinner concert; 7-8, Congress hotel; 8-9:30, classical; 9:30-10:30, carnival.
WBAP, Fort Worth, Tex. (475.9m-630kc), 7:30-8:30 p. m., Davis Baking Powder saxophone octet; 9:30-11, classical program; 11, "A Step On the Stairs"; 11:30, WBAP's spiritual singers.
WCOA, Pensacola, Fla. (222m-1350kc), 7 p. m., Mrs. J. Lamar, violinist; Mrs. C. Webb and Mrs. Mildred Saunders, vocal duettists; John Thomas, pianist; Anita Villar, vocalist; Eddie Collins, saxophonist; Sybil Mitchell, plantation songs and syncopated pianologues; Eddie Collins Rainbow orchestra, Flyin' high in Melody and jazz.
WFAA, Dallas, Tex. (475.9m-630kc), 6:30-7:30 p. m., Jimmy Joy's orchestra; 8:30-9:30, Mrs. J. Spangler, singer; Clara Dargan, pianist.
WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., mixed vocal and instrumental concert.
WHB, Kansas, City, Mo. (365.6m-820kc), 7-8 p. m., dinner hour concert; 8-9, Edith Gregg and her King Joy Lo syncopators.
WHO, Des Moines, Iowa (526m-570kc), 7:30-8 p. m., Raleigh quintet; 8-9, Bankers Life trio; 11-12 midnight, Bankers Life Corn Sugar orchestra.
WOAI, San Antonio, Tex. (394.5m-760kc), 8:30 p. m., Mistletoe Melody Maids.
WOAW, Omaha, Nebr. (526m-570kc), 6 p. m., organ recital; 6:50, Randall's Royal Fontenelle orchestra; 9, classical program; 10:30, Frank Hodek and his Nightingale orchestra.
WSMB, New Orleans, La. (319m-940kc), 9:30-12 midnight, Radio Revelers, Schilling's Serenaders Liberty theater orchestra.

Mountain Standard Time Stations

CNRC, Calgary, Canada (435.8m-688kc), 9 p. m., orchestra; Gladys Webb Foster, violinist; Mrs. A. N. Ledger, soloist.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467.m-642kc), 5:30 p. m., matinee program; 6:30, Julietta Burnette, soprano; Bernice Brown, contralto; 7, program, University of Southern California; 8, Composers' hour; 9, Southern California Music company; 10, varied program.
KGO, Oakland, Calif. (361.2m-830kc), 8 p. m., "The Arrival of Kitty," KGO players; 10-12:30 a. m., Brokaw and orchestra.
KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-10, vaudeville program; Ebony and Ivory, piano duettists; Luke's Flower Girls; 10-12 midnight, dance music, Cole McElroy's orchestra.
KPSN, Pasadena, Calif. (315.6m-950kc), 8-9 p. m., Pasadena Chamber of Commerce.
KTAB, Oakland, Calif. (239.9m-1250kc), 8-10 p. m., program.

Friday, May 14

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
9:30 p. m.	8:30	7:30	6:30	5:30

WHO (526m-570kc), Sigma Alpha Iota sorority program.

Atlantic	Eastern	Central	Mountain	Pacific
10:30	9:30	8:30	7:30	6:30

WGR (319m-940kc), Etude trio.

Atlantic	Eastern	Central	Mountain	Pacific
11:30	10:30	9:30	8:30	7:30

WBAP (475.9m-630kc), Post Office band.

Atlantic	Eastern	Central	Mountain	Pacific
12 m.	11	10	9	8

WSM (282.8m-1060kc), College quartet.

For stations silent tonight refer to first Friday's list.

Atlantic or Eastern Daylight Saving Time Stations

WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert; 8, Mozart choir; 9:30, WEAF; 10:30, WEAF.

FARMERS' PROGRAMS INDEX

Farmer Dinner Concerts

Daily Except Sunday

CENTRAL TIME
KFNF, 12:15-1:35 p. m.
KMA, 11:30-12:30
KSO, 12:30-1:30 p. m.

Saturday, May 1

Atlantic / Eastern / Central / Mountain / Pacific
2 p. m. / 1 / 12 / 11 / 10
KPRC (296.9m-1010kc), Farmers' educational and musical program.
2:45 / 1:45 / 12:45 / 11:45 / 10:45
WOI (270m-1110kc), Soils, questions and answers.
9 / 8 / 7 / 6 / 5
KDKA (309.1m-970kc), Farm program.
10:30 / 9:30 / 8:30 / 7:30 / 6:30
KFAU (280.2m-1070kc), Agricultural talk, question box.

Sunday, May 2

Atlantic / Eastern / Central / Mountain / Pacific
4:30 p. m. / 3:30 / 2:30 / 1:30 / 12:30
WFAA (475.9m-630kc), Sunday hour for farmers.

Monday, May 3

Atlantic / Eastern / Central / Mountain / Pacific
1 a. m. / 12 / 11 / 10 / 9
WRC (468.5m-640kc), Fifty Farm flashes.
2:15 / 1:15 / 12:15 / 11:15 / 10:15
WOC (483.6m-620kc), "Why Is a Runt?"
WEAO (293.9m-1020kc), Timely Economic Information for the farmer, C. J. West.
2:45 / 1:45 / 12:45 / 11:45 / 10:45
WOI (270m-1110kc), "Suggestions on Sanitation."
WMAQ (447.5m-670kc), Radio farm school.
7 / 6 / 5 / 4 / 3
WPG (299.8m-1000kc), "Starting the Sweet Potato Crop."
8 / 7 / 6 / 5 / 4
WTAG (267.7m-1120kc), "Home Gardening."
8:15 / 7:15 / 6:15 / 5:15 / 4:15
WGY (379.5m-790kc), Agricultural program.
9 / 8 / 7 / 6 / 5
WOS (440.9m-680kc), Livestock questions and answers.
9:30 / 8:30 / 7:30 / 6:30 / 5:30
KUOA (299.8m-1000kc), Farm Filosofy, Cy Adams.
WMC (499.7m-600kc), Farm talk.
WOI (270m-1110kc), Eighth Horticultural Short Course lecture.
9:45 / 8:45 / 7:45 / 6:45 / 5:45
WCCO (416.4m-720kc), Farm lecture.
10:05 / 9:05 / 8:05 / 7:05 / 6:05
KFAB (340.7m-880kc), "Opportunities for the Young Man in Agricultural Engineering. "Selecting Your Gilt for a Pig club."
10:30 / 9:30 / 8:30 / 7:30 / 6:30
KOB (348.6m-860kc), "Cotton Improvement Work," "Irrigation."
11:30 / 10:30 / 9:30 / 8:30 / 7:30
KOAC (280.2m-1070kc), Market news.
KWSC (348.6m-860kc), "May Farm Situation."
11:45 / 10:45 / 9:45 / 8:45 / 7:45
KOAC (280.2m-1070kc), "Control of Canada Thistle and Morning Glory."
12:05 / 11:05 / 10:05 / 9:05 / 8:05
KGO (361.2m-830kc), Agricultural Outlook.
12:15 / 11:15 / 10:15 / 9:15 / 8:15
KOAC (280.2m-1070kc), "Reducing Cost of Production in Western Oregon."

Tuesday, May 4

Atlantic / Eastern / Central / Mountain / Pacific
1 p. m. / 12 / 11 / 10 / 9
WRC (468.5m-640kc), Fifty Farm flashes.
2:15 / 1:15 / 12:15 / 11:15 / 10:15
WOC (483.6m-620kc), "Caponizing Poultry."
2:45 / 1:45 / 12:45 / 11:45 / 10:45
WMAQ (447.5m-670kc), Radio farm school.
WOI (270m-1110kc), "Animal Husbandry."
9:33 / 8:33 / 7:33 / 6:33 / 5:33
KYW (535.4m-560kc), American Farm Bureau Federation.
10:30 / 9:30 / 8:30 / 7:30 / 6:30
KOA (322.4m-930kc), Farm question box.

Wednesday, May 5

Atlantic / Eastern / Central / Mountain / Pacific
1 p. m. / 12 / 11 / 10 / 9
WRC (468.5m-640kc), Fifty Farm Flashes.
2:15 / 1:15 / 12:15 / 11:15 / 10:15
WOC (483.6m-620kc), "Summer Management of the Young Herd."
2:30 / 1:30 / 12:30 / 11:30 / 10:30
WFAA (475.9m-630kc), Sears-Roebuck Agricultural program.
2:45 / 1:45 / 12:45 / 11:45 / 10:45
WMAQ (447.5m-670kc), Radio farm school.
WOI (270m-1110kc), Poultry husbandry.
9 / 8 / 7 / 6 / 5
WOS (440.9m-680kc), Evening market hour, poultry questions and answers.
10:05 / 9:05 / 8:05 / 7:05 / 6:05
KFAB (340.7m-880kc), "Opportunities for the Young Man in Poultry Husbandry," "Control of Some Insect Pests of the Season."

Thursday, May 6

Atlantic / Eastern / Central / Mountain / Pacific
1 p. m. / 12 / 11 / 10 / 9
WRC (468.5m-640kc), Fifty farm flashes.
2:15 / 1:15 / 12:15 / 11:15 / 10:15
WOC (483.6m-620kc), "Alfalfa—Harvesting the First Year."
2:45 / 1:45 / 12:45 / 11:45 / 10:45
WMAQ (447.5m-670kc), Radio farm school.
WOI (270m-1110kc), Farm crops.
9:33 / 8:33 / 7:33 / 6:33 / 5:33
KYW (535.4m-560kc), American Farm bureau.
10:30 / 9:30 / 8:30 / 7:30 / 6:30
KOA (322.4m-930kc), Farm question box.

Friday, May 7

Atlantic / Eastern / Central / Mountain / Pacific
1 p. m. / 12 / 11 / 10 / 9
WRC (468.5m-640kc), Fifty farm flashes.
2:15 / 1:15 / 12:15 / 11:15 / 10:15
WOC (483.6m-860kc), Special Farm Service Day.
KTHS (374.8m-800kc), Farmers' Radio Chautauqua.
2:45 / 1:45 / 12:45 / 11:45 / 10:45
WOI (270m-1110kc), Agricultural Economics.
9 / 8 / 7 / 6 / 5
KFKX (288.3m-1040kc), Special Farm Service Day.
WOS (440.9m-680kc), Evening Market hour, Dairy questions and answers.
9:15 p. m. / 8:15 / 7:15 / 6:15 / 5:15
KSO (242m-1240kc), Farm talk.
9:30 / 8:30 / 7:30 / 6:30 / 5:30
WOC (483.6m-620kc), Question box.
9:45 / 8:45 / 7:45 / 6:45 / 5:45
WCCO (416.4m-720kc), Farm lecture.
11:15 / 10:15 / 9:15 / 8:15 / 7:15
KWSC (348.6m-800kc), "Harnessing the Streams."

Saturday, May 8

Atlantic / Eastern / Central / Mountain / Pacific
2 p. m. / 1 / 12 / 11 / 10
KPRC (296.9m-1010kc), Farmers' educational and musical program.
2:45 / 1:45 / 12:45 / 11:45 / 10:45
WOI (270m-1110kc), Soils, questions and answers.
9 / 8 / 7 / 6 / 5
KDKA (309.1m-970kc), Farm program.
10:30 / 9:30 / 8:30 / 7:30 / 6:30
KFAU (280.2m-1070kc), Agricultural talk, question box.

Sunday, May 9

Atlantic / Eastern / Central / Mountain / Pacific
4:30 p. m. / 3:30 / 2:30 / 1:30 / 12:30
WFAA (475.9m-630kc), Sunday hour for farmers.

Monday, May 10

Atlantic / Eastern / Central / Mountain / Pacific
1 p. m. / 12 / 11 / 10 / 9
WRC (468.5m-640kc), Fifty farm flashes.
2:15 / 1:15 / 12:15 / 11:15 / 10:15
WEAO (293.9m-1020kc), Timely Economic Information for the farmer, C. J. West.
2:45 / 1:45 / 12:45 / 11:45 / 10:45
WOI (270m-1110kc), Talks.
WMAQ (447.5m-670kc), Radio farm school.
8 / 7 / 6 / 5 / 4
WGY (379.5m-790kc), Agricultural program.
9 / 8 / 7 / 6 / 5
WOS (440.9m-680kc), Livestock questions and answers.
9:30 / 8:30 / 7:30 / 6:30 / 5:30
KUOA (299.8m-1000kc), Farm Filosofy, Cy Adams. "What Constitutes Good Cultivation?" "Kill the Bitter Weeds in Pastures." "Marketing of Blackberries in Arkansas."
WMC (499.7m-600kc), Farm talk.
9:45 / 8:45 / 7:45 / 6:45 / 5:45
WOI (270.1m-1110kc), Talk.
10:05 / 9:05 / 8:05 / 7:05 / 6:05
KFAB (340.7m-880kc), "4-H Club Folks Visit Ag College."
11:30 / 10:30 / 9:30 / 8:30 / 7:30
KOAC (280.2m-1070kc), Market news.
11:45 / 10:45 / 9:45 / 8:45 / 7:45
KOAC (280.2m-1070kc), "Care and Operation of Farm Separators."
12:15 / 11:15 / 10:15 / 9:15 / 8:15
KOAC (280.2m-1070kc), "Logged Off Pasture Seeding and Management," G. Hyslop. "Growing More and Better Vegetables Through Irrigation."

Tuesday, May 11

Atlantic / Eastern / Central / Mountain / Pacific
1 p. m. / 12 / 11 / 10 / 9
WRC (468.5m-640kc), Fifty farm flashes.
2:45 / 1:45 / 12:45 / 11:45 / 10:45
WMAQ (447.5m-670kc), Radio farm school.
WOI (270m-1110kc), "Animal Husbandry."
9:33 / 8:33 / 7:33 / 6:33 / 5:33
KYW (535.4m-560kc), American Farm Bureau Federation.
10:30 / 9:30 / 8:30 / 7:30 / 6:30
KOA (322.4m-930kc), Farm question box.

Wednesday, May 12

Atlantic / Eastern / Central / Mountain / Pacific
1 p. m. / 12 / 11 / 10 / 9
WRC (468.5m-640kc), Fifty farm flashes.
2:30 / 1:30 / 12:30 / 11:30 / 10:30
WFAA (475.9m-630kc), Sears-Roebuck Agricultural program.
2:45 / 1:45 / 12:45 / 11:45 / 10:45
WMAQ (447.5m-670kc), Radio farm school.
WOI (270m-1110kc) Poultry husbandry.
9 / 8 / 7 / 6 / 5
WOS (440.9m-680kc), Evening market hour, poultry questions and answers.
10:05 / 9:05 / 8:05 / 7:05 / 6:05
KFAB (340.7m-880kc), "Dairy Opportunities." "Swine Sanitation."
11:15 / 10:15 / 9:15 / 8:15 / 7:15
KWSC (348.6m-860kc), "Transfer Bees to Movable Frame Hives During Fruit Bloom." "Certified Seed and How to Grow It."

Thursday, May 13

Atlantic / Eastern / Central / Mountain / Pacific
1 p. m. / 12 / 11 / 10 / 9
WRC (468.5m-640kc), Fifty farm flashes.
2:45 / 1:45 / 12:45 / 11:45 / 10:45
WOC (483.6m-620kc), Talks.
2:15 / 1:45 / 12:15 / 11:15 / 10:15
WMAQ (447.5m-670kc), Radio farm school.
WOI (270m-1110kc), Farm crops.
9 / 8 / 7 / 6 / 5
KFKX (288.3m-1040kc), Talk.
9:30 / 8:30 / 7:30 / 6:30 / 5:30
WOI (270m-1110kc), Talk.
9:33 / 8:33 / 7:33 / 6:33 / 5:33
KYW (535.4m-560kc), American Farm bureau.
10:30 / 9:30 / 8:30 / 7:30 / 6:30
KOA (322.4m-930kc), Farm question box.

Friday, May 14

Atlantic / Eastern / Central / Mountain / Pacific
1 p. m. / 12 / 11 / 10 / 9
WRC (468.5m-640kc), Fifty farm flashes.
2:15 / 1:15 / 12:15 / 11:15 / 10:15
WOC (483.6m-860kc), Special Farm Service Day.
KTHS (374.8m-800kc), Farmers' Radio Chautauqua.
2:45 / 1:45 / 12:45 / 11:45 / 10:45
WOI (270m-1110kc), Agricultural Economics.
9 / 8 / 7 / 6 / 5
KFKX (288.3m-1040kc), Special Farm Service Day.
WOS (440.9m-680kc), Evening Market hour. Dairy questions and answers.
9:15 / 8:15 / 7:15 / 6:15 / 5:15
KSO (242m-1240kc), Farm talk.
9:30 / 8:30 / 7:30 / 6:30 / 5:30
WOC (483.6m-620kc), Question box.

CLASSICAL CONCERTS INDEX

Saturday

Atlantic	Eastern	Central	Mountain	Pacific
7 p. m.	6	5	4	3
WCX, WEAF, WMCA, WREO.				
8	7	6	5	4
KGO, KYW, WEAR, WENR, WMAQ, WNYC, WOAW, WOK, WRC.				
9	8	7	6	5
KDKA, KFNF, KOIL, KSD, KYW, WBBR, WGN, WMBB, WNYC, WOAW, WQJ.				
10	9	8	7	6
KFOA, KPRC, KHJ, KYW, WHAS, WIP, WLW, WORD, WSAI, WSOE.				
11	10	9	8	7
KNX, KYW, WEAF, WMAQ, WMC, WOAW, WOC, WORD.				
12 m.	11	10	9	8
KGO.				
1 a. m.	12 m.	11	10	9
WOAW.				

Sunday

Atlantic	Eastern	Central	Mountain	Pacific
7:20 p. m.	6:20	5:20	4:20	3:20
WCAE, WCAU, WEAF, WEEI, WJAR, WJAZ, WTAG, WWJ.				
9	8	7	6	5
WAMD, WBZ, WEAR, WCAU, WHAR, WJAZ, WHT, WNYC, WQJ.				
10	9	8	7	6
KFDM, KPRC, KSD, WBZ, WCBD, WCCO, WEAR, WGY.				
9:15	8:15	7:15	6:15	5:15
WEAF chain.				
11	10	9	8	7
KHJ, KNX, KTHS, KYW, WCCO, WFAA, WOC, WSOE.				
12 m.	11	10	9	8
KFVE, KHJ, KNX, KPO, KTHS, WKRC, WOC.				
1 a. m.	12 m.	11	10	9
KHJ, KNX, WOC.				
2	1	12 m	11	10
KNX.				

Monday

Atlantic	Eastern	Central	Mountain	Pacific
7 p. m.	6	5	4	3
KGO WCX, WEAF, WOK, WREO, WWJ.				
8	7	6	5	4
KMA, WBBR, WCCO, WEAF, WEAR, WHAR, WHAD, WHT, WJR, WMBB, WOAW, WTAG.				
9	8	7	6	5
KFNF, KSD, WBZ, WCX, WLW, WTIC.				
10	9	8	7	6
KFOA, KGO, KHJ, KPRC, WCCO, WBZ, WHAD, WHO, WLW, WORD, WOS.				
11	10	9	8	7
KMA, KPO, KPRC, KSD, KTHS, WAMD, WCCO, WHAD, WOAW, WSUI.				
12 m.	11	10	9	8
KGW, KHJ, KMA, KSD, KTHS, KWSC, WSAI.				
1 a. m.	12 m.	11	10	9
KGW, WBAP, WSAI.				
2	1	12 m	11	10
KHJ.				

Tuesday

Atlantic	Eastern	Central	Mountain	Pacific
7 p. m.	6	5	4	3
WBZ, WCX, WREO, WWJ.				
8	7	6	5	4
KGO, KMA, WEAR, WHAD, WJR, WMAQ, WOAW, WOK, WTIC, WWJ.				
9	8	7	6	5
KFNF, KSD, KYW, WBZ, WCAE, WCX, WEAR, WHT, WLS, WMBB, WQJ, WRC, WTIC.				
10	9	8	7	6
KFDM, KFOA, KGO, KHJ, KLDS, KYW, WCAE, WCBD, WCCO, WEAF, WEEI, WGR, WHAS, WJAR, WLW, WMAQ, WOC, WORD, WTAG.				
11	10	9	8	7
KFAB, KFDM, KOA, WCCO, WHAD, WMAQ.				
12 m.	11	10	9	8
KFMX, KHJ, KNX, KPO.				
1 a. m.	12 m.	11	10	9
KPO.				

Wednesday

Atlantic	Eastern	Central	Mountain	Pacific
7 p. m.	6	5	4	3
WCX, WREO, WWJ.				
8	7	6	5	4
KGO, WEAR, WHAD, WJR, WMAQ, WOK, WTIC.				
9	8	7	6	5
KFNF, KPRC, KSD, KYW, WAMD, WBZ, WCX, WEAF, WEEI, WHT, WLW, WMBB, WMCA, WQJ, WTAG, WWJ.				
10	9	8	7	6
KFOA, KGO, KPRC, KSD, KYW, WBZ, WCCO, WDAF, WEEI, WGR, WHAD, WHAS, WJAR, WMAQ, WOR, WOS, WORD.				
11	10	9	8	7
KFMX, KMA, KNX, KTHS, WAMD, WCCO, WEAF, WEEI, WGR, WHAD, WJAR, WLS, WMAQ, WNYC, WOC, WSOE.				
12 m.	11	10	9	8
KGO, KGW, KMA, KPO, KTHS, WCAE, WLS, WLW, WOC, WSAI.				
1 a. m.	12 m.	11	10	9
KGW, KPO, WHAD, WLW.				
2	1	12 m	11	10
WLW.				

Thursday

Atlantic	Eastern	Central	Mountain	Pacific
7 p. m.	6	5	4	3
WBZ, WCX, WIP, WREO, WWJ.				
8	7	6	5	4
KGO, KSD, WEAF, WEAR, WGBS, WHAD, WJR, WMAQ, WOAW, WOK, WWJ.				
9	8	7	6	5
KYW, WBBR, WBZ, WCAU, WCCO, WCX, WEAR, WEEI, WGR, WGY, WHAR, WHT, WLS, WLW, WMBB, WOAW, WQJ, WTAG, WTIC.				
10	9	8	7	6
KHJ, KLDS, WBAP, WCAE, WCAU, WCBD, WCCO, WEAF, WEEI, WGR, WHAR, WHAS, WJAR, WJAZ, WNYC, WOC, WORD, WRC, WSAI, WSB, WTAG.				
11	10	9	8	7
KNX, KPRC, KTHS, KYW, WAMD, WGR, WGY, WHAD, WJAZ, WMC, WOAW, WOC, WSAI.				
12 m.	11	10	9	8
KGO, KPO, KTHS, WBAP, WJAZ, WKRC.				
1 a. m.	12 m.	11	10	9
KGW, KPO, WHO, WKRC.				

Friday

Atlantic	Eastern	Central	Mountain	Pacific
7 p. m.	6	5	4	3
KGO, WCX, WMCA, WREO, WWJ.				
8	7	6	5	4
KGO, WEBJ, WGY, WHAD, WJR, WMAQ, WOAW, WOK, WOR, WTIC.				
9	8	7	6	5
KYW, WAHG, WAMD, WBZ, WCAU, WCX, WEBJ, WEEI, WHT, WLS, WQJ, WWJ.				
10	9	8	7	6
KFDM, KFNF, KFOA, KGO, KHJ, KSD, KYW, WBAP, WBZ, WCAU, WDAF, WEEI, WHAD, WJAR, WMAQ, WMCA, WSAI.				
11	10	9	8	7
KFAB, KFDM, KOA, WCCO, WHAD, WMAQ.				
12 m.	11	10	9	8
KFMX, KHJ, KNX, KPO.				
1 a. m.	12 m.	11	10	9
KPO.				

Friday, May 14

WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:45 p. m., Clarence Seaman and his Pennsylvania hotel orchestra; 7:30, Snellenburg instrumental trio; 8, recital; 8:15, chiropractic talk; 8:30, The Singing Groundhog; 8:45, The Bryan Girl; 9, The Regina Crooners; 9:15, Dwight Strickland, poetician; 9:30, dance music; 10, Archie Lloyd, songs; 10:30, Jack Myers' Musical Architects.

WEAF, New York, N. Y. (491.5m-610kc), 4-12 midnight, Vincent Lopez and his orchestra; Ye Crinoline Three; Nell O'Brien; Vincent Lopez and his orchestra; Michael Markel's dance orchestra; Happiness Candy Boys; Whittall Anglo-Persians; Alexander Chigrinsky, pianist; Ben Bernie and his orchestra.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra.

WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., Murray Whiteman and his serenaders; 7:30, WEAF; 8, Audubon Terrace Meadow Larks; 8:30, Gertrude Hutchinson program; 8:45, Walter F. Watson, tenor; 9, Winger's Crescent Park entertainers; 9:30, musical department, Y. W. C. A.; 10, WEAF; 10:30, Etude trio, piano, violin and cornet; 11, Vincent Lopez Hotel Statler dance orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 7, Uncle Wip's bedtime stories.

WJAR, Providence, R. I. (305.9m-950kc), 8 p. m., musicale; 8:30, WEAF; 9, musicale; 10, WEAF; 11, Providence-Biltmore dance orchestra.

WJZ, New York, N. Y. (454.3m-660kc), 7 p. m., Hotel Commodore concert orchestra; 8, Sundial Shoe serenaders; 8:30, Bonnie Laddies; 9, Baldwin hour, WGY; 10:30, Hotel Lorraine Grill orchestra.

WLIT, Philadelphia, Pa. (394.5m-760kc), 8:10 p. m., Arcadia cafe concert orchestra; 9, Schickerling hour; 10, Morning Glory club concert; Arcadia cafe dance orchestra; 10:30, Rufus and Rastus; 11, Freshman Masterpiece hour; 12 midnight, Morning Glory concert.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Ritz Carlton dance orchestra; 8, recital; 9:30, Fox theater program; 10, WEAF; 10:30, Sylvania dance orchestra.

Eastern Standard or Central Daylight Saving Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 5:30 p. m., dinner concert; 9, concert.

WABQ, Haverford, Pa. (261m-1150kc), 11 p. m., Horace Hustler, organist; William Stewart, pianist.

WBBM, Chicago, Ill. (225.4m-1330kc), 8-10 p. m., Goldie Gordon, violinist; Badger quartet.

WCAP, Washington, D. C. (468.5m-640kc), 6-6:30 p. m., Mozart string quintet; 6:45-9, playlet, features; 9-9:30, WEAF; 9:30-10, studio program; 10-12 midnight, music, Wardman Park hotel.

WEBH, Chicago, Ill. (370.2m-810kc), 7 p. m., Osborn's orchestra; Bernard Weber, Pauline Sachs; 9:15, Osborn's orchestra; Bernard Weber; 11-12:30 a. m., Oriole orchestra; Irene Beasley; Day and Knight.

WGHB, Clearwater, Fla. (265.3m-1130kc), 8:30-10 p. m., diversified program; old-time duet, Mr. and Mrs. Charles Waller.

WGN, Chicago, Ill. (302.8m-990kc), 6:45-6:55 p. m., musical program; 6:55-7:15, Drake concert ensemble, Blackstone string quintet, request program; 8:30-9, musical program; 9-9:30, WEAF; 9:30-10, Phantom violin; 10-10:10, Sam 'n' Henry; 10:10-10:20, musical program; 10:20-10:40, the play shop; 10:40-11, musical program, ensemble.

WHT, Chicago, Ill. (399.8m-750kc), 7 p. m., Al Carney, organist; Helen Rauh, pianist; 7:50, Ray-O-Vac concert; 8:45-10:15 (238m-1260kc), Cinderella cafe orchestra; 10:30 (399.8m-750kc), Sunbeam Girls; 11:05, Loftis half-hour presentation; 12 midnight, your hour league.

WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., Elsie Orr, soprano; Ray McKay; WIBO string trio; 10-2 a. m., popular program.

WJAZ, Chicago, Ill. (329.m-910kc), 9-1 a. m., dance program, Club Chez Pierre; Earl Hoffman orchestra; Pierre revue.

WJJD, Mooseheart, Ill. (370.2m-810kc), 8-9 p. m., music by children; 10-11, Senator Harold C. Kessinger; Palmer House Victorians; 12:30, settin' up hour.

WLIB, Chicago, Ill. (302.8m-990kc), 7:15-7:20 p. m., The Million Sing; 7:20-7:30, Old Fashioned Almanack; 7:30-8, Drake concert ensemble; 11-11:20, songs, Correll and Gosden; 11:20-12:30 a. m., ensemble; Charley Straight's Rendezvous cafe orchestra, Drake hotel concert orchestra.

WLS, Chicago, Ill. (344.6m-870kc), 7:15-12 midnight, national barn dance.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., organ; 8:30, to be announced.

WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9:15-10 p. m., classical program; 10-11, Hope college.

WRVA, Richmond, Va. (256.3m-1170kc), 7 p. m., Hotel Richmond orchestra; 8:30, Neapolitan night; 10:30-11:30, Hotel Richmond Winter Garden orchestra.

WSWS, Chicago, Ill. (275.8m-1090kc), 8 p. m., Terrace Garden orchestra; 10, Terrace Garden Five; Skylark male quartet.

WTAM, Cleveland, Ohio (389.4m-770kc), 6-7 p. m., Carl Rupp and his Hotel Hollenden orchestra.

WTIC, Hartford, Conn. (475.9m-630kc), 7:15 p. m., program, American Legion; 9:45, WTIC Mail bag; 10, Emil Heimberger's Hotel Bond dance orchestra.

WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 8, Detroit News orchestra; 9, WEAF; 9:30, dance program.

Central Standard Time Stations

KFDM, Beaumont, Tex. (315.6m-950kc), 8-10 p. m., Magnolia Petroleum company's band.

KFH, Wichita, Kan. (267.7m-1120kc), 7-8 p. m., Gold Medal Krackers.

KFKX, Hastings, Nebr. (288.3m-1040kc), 9-11 p. m., Immaculate Conception academy.

KFNF, Shenandoah, Iowa (263m-1140kc), 7:30 p. m., pipe organ concert.

KFUO, St. Louis, Mo. (545.1m-550kc), 9:30 p. m., "The Last Journey to, and Entrance into, Jerusalem;" R. Caemmerer, pianist.

KMA, Shenandoah, Iowa (252m-1190kc), 9-11 p. m., popular musical program.

KOIL, Council Bluffs, Iowa (277.6m-1080kc), 6 p. m., Jack and Jill; 6:35, Royal Fontenelle orchestra; 7:35, Grace Pool Steinberg, soprano; 8:30, Dresher Brothers entertainers; 11, Hotsy Totsy hour.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:05-10 p. m., New Arlington hotel Meyer Davis string quartet; 10-11, Pooley hour, Rainbow Garden.

KYW, Chicago, Ill. (535.4m-560kc), 6-7 p. m., musical program; 7-8, Congress hotel; 8-9:30, classical concert; 9:30-10:30, carnival.

WBAP, Fort Worth, Tex. (475.9m-630kc), 7:30-8:30 p. m., Texas Woman's college; 9:30-11, Post Office band; 11, Panther Hawaiian trio.

WEMC, Berrien Springs, Mich. (285.5m-1050kc), 9 p. m., Lighthouse choir; Rhea Yeager, cellist; Maitland Allred, tenor; 9:45, Percy Augustine, tenor.

WFAA, Dallas, Tex. (475.9m-630kc), 6:30-7:30 p. m., Foxtrotters orchestra; 8:30-9:30, Priest family recital.

WGBF, Evansville, Ind. (236.1m-1270kc), 7 p. m., A. L. Maxwell company; 8, Evansville college musical program.

WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., concert, Louisville Music and Radio company.

WHB, Kansas City, Mo. (365.6m-820kc), 7-8 p. m., Sweeney Radio orchestra; Bert Beuder, soloist; Zelma Maddock, pianist.

WHO, Des Moines, Iowa (526m-570kc), 7:30-9 p. m., Sigma Alpha Iota national musical sorority; 11-12 midnight, Philbreck and his Younker tea room orchestra.

WOAI, San Antonio, Tex. (394.5m-760kc), 8:30 p. m., News and Express and college of music program.

WOAW, Omaha, Nebr. (526m-570kc), 6:50 p. m., Gilbert Jaffy, violinist; Harry Braviroff, pianist; 9, program; 10:30, Frank Hodek and his Nightingale orchestra.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., dinner concert; 10-1 a. m., Rainbo Skylarks; Dr. H. Lucille Long; Harold Olson; Clark's Hawaiian trio; Johnny Poat; Tell Taylor; 1-2, Ginger hour.

WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., Beasley Smith's orchestra; 8, program, Mrs. L. L. Gamble; 10, David Libscomb college quartet.

Mountain Standard Time Stations

KOB, State College, N. M. (348.6m-860kc), 7:30-8:30 p. m., musical program, Mrs. Whalen, director.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 5:30 p. m., program, Eugene Biscailuz; 6:30, Carlyle Stevenson's orchestra; 7:30, Felipe Delgado and Edna Clark Muir; 8, Aeolian organ recital; 9, William MacDougall, Scotch singer; 9:30, musical program, joke contest; Jimmie Mack; 10, Packard ballad hour; Emma Kimmel, Pat O'Neal, Kray Tremaine, Ashley Sisters.

KGO, Oakland, Calif. (361.2m-830kc), 8 p. m., Mills college annual dinner.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-9, concert, vocal and instrumental; 9-10:30, concert; 10:30-12 midnight, frolic. Keep Growing Wiser Order of Hoot Owls, Pantages stars, features.

KOAC, Corvallis, Ore. (280.2m-1070kc), 7:20 p. m., Arthur Kirkham, tenor; 8-9, musical program.

KTAB, Oakland, Calif. (239.9m-1250kc), 8-10 p. m., Breuner's.

KWSC, Pullman, Wash. (348.6m-860kc), 7:15 p. m., program, Wauna club of Asotin.

Theater Installs Ear Phones For Slightly Deaf Patrons

LONDON, Eng.—In order that theatergoers who are slightly deaf may not miss any of the fun in "The Farmer's Wife," London's most popular play, now in its third year at the Court theater, a novel Radio scheme has been introduced by the management.

"Lorgnette" head phones, or more correctly ear phones, have been installed in certain parts of the dress circle and stalls, so that members of the audience who are a little hard of hearing will not have their enjoyment lessened through missing some of the best points.

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5-1-26

SOUTH AFRICA SHOW GETS U. S. PROGRAM

MESSAGE IS ALSO HEARD BY AUSTRALIAN FAN

2XAF, Schenectady, and Johannesburg Experimenter Successfully Arrange Broadcast Relay

SCHENECTADY.—2XAF and Grant Dalton, an enterprising South African experimenter, have demonstrated that it is possible to schedule an 8,050-mile Radio broadcast relay and make good on the program. It came about this way.

The annual agricultural show of the South African Union was held recently in Johannesburg. The show management believed that it would be a fitting climax to the week to give the visitors an opportunity to hear a Radio program from the United States. Cables were exchanged with the General Electric company and a definite time was fixed for the broadcasting, 4 to 6 p. m. Eastern time on the Saturday night the show was to close.

William M. Jardine, United States secretary of agriculture, prepared a greeting and other American agricultural leaders sent messages. There were also musical numbers and all were sent out on the 32.79-meter wave of 2XAF, from the studio of WGY here.

Even Australia Tunes In

South Africa reported by cable that the relay was a great success and then a few hours later, sifting through amateur channels, came a message from E. H. Cox, of Elsternwick, Victoria, Australia, to the effect that he had heard the whole program of 2XAF as late as 7 o'clock in the morning. Johannesburg got the program at about midnight.

South Africans cabled: "Much obliged your cooperation. Special program relayed Sunday a great success. Express our thanks to participants. South African agriculturists reciprocate wishes. Transmitting your Sunday morning dinner music."

Australian 14,000 Miles Away

The Australian, Mr. Cox (3BD), reported as follows: "Your concert to South Africa heard very loud here three hours after sunrise. Signal would travel eastward from you so distance would be 14,000 miles. Congratulations. Do you ever use 32-meter phone about 4 a. m. Eastern Standard time? Heard phone as late as 7 a. m. and carrier came through as late as 8 a. m."

2XAF is a little brother of the 50-kilowatt transmitter of WGY. It is one of six Radio transmitters on the 54-acre Radio laboratory of the General Electric company. The aerial is only 50 feet long and about the diameter of a lead pencil. 2XAF uses 10,000 watts of power.

Copyrights Busy Overseas

LONDON.—The initiative has been taken by the authors and dramatists of the Intellectual Cooperative society, which has just held a meeting in Paris under the presidency of M. Luchaire, director of the International Institute of Intellectual Cooperation, with the object of safeguarding the interests of artistic and literary property throughout the world.

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Reader's Views

Wanna Learn Something?

In April 3 issue of Radio Digest I see that H. W. H. of Vandalia, Mo., thinks that listening in on a program of Station WOWL with a 3-tube set is such a wonderful feat. I, for one, do not think so. I have a 1-tube single circuit regenerative set.

On Friday, March 26, 1926, I listened in on Station KFIU, Juneau, Alaska, wave length 226 meters, power 10 watts. The distance is about 950 miles, air line. We had two head phones on the set, which were in use by my father and I. I will put anybody wise to the trick of receiving low power stations that will drop me a line, especially J. M. H. of Lake Charles, La.—John E. Heuer, Box 179, Trochu, Alberta, Canada.

Everybody Satisfied

I am of the same opinion as most B. C. L. At each intermission I think the number just played and the one to be played should be announced. For instance, this morning on KMA's early program, the announcer told that a certain selection would be played on the piano and when it was finished, he announced again what it was, then who played it and what the next number would be.

The way he announced gave those late tuning in a chance to know what they had just heard and by whom. If all would do this, I think the majority of B. C. L.'s would be better satisfied. —C.C.T., Howe, Nebr.

Pleases Individual Only

Don't you think it about time the broadcasting of listeners' congratulations to Radio performers was stopped? It seems to me perfectly all right for listeners to write, telegraph or telephone their approval of the programs to the broadcasting stations, but who wants to have half the evening taken up with announcing that Bill Jones' Superodox is working fine, and Cy Prime's one-tube Vox Populi is getting it clear as a bell? Of course everyone knows that such people simply want to hear their names broadcast. It is getting to be a regular nuisance, I imagine, to everyone except the individual who is waiting to hear his name heralded through the air.—J.A.B., Colorado Springs, Colo.

Just What It Means

I would like to voice my opinion on some of the letters in your Reader's View column.

If T.H., Okemah, Okla., had used a good standard dictionary he would have found out that "just" means "very lately, a moment ago," which surely justifies the way in which the announcers use it.

Also, what about someone with a new set who possibly hasn't heard a piece of music 150 times?

As to announcer giving a brief description of some of the classic music, I think it makes a piece much more interesting. In short, I think there is great improvement to be made in broadcasting, but not much will come from some of these cheap critics. I believe a decent letter to the station telling them what you like and don't like would bring better results. J.H.L., Lansing, Ia.

Plea for Fairness

During the past year, Radio has gone from bad to worse; at least, that is my opinion, due to the fact that the average listener is constantly criticising the broadcasters.

There are many cases to cite, but I know of one particular case where a certain party listened from 7 until 11:30 p. m., and was well satisfied. But at 11:35 the station announced an SOS at sea and shut down. The next day, a letter was speeding to them with all sorts of complaints against them, although the sender knew that SOS was the reason.

When people can get as mean as that I think they are the lowest type of humanity—sitting around a cozy fire and having no cause for alarm, while perhaps a hundred people af sea are relying on those few letters, SOS, for life itself, perhaps half frozen in the waters, men, women and children alike. I believe every good American citizen should be willing to shut off his or her set for a few minutes and even offer a prayer for the sake of the unfortunates.

I hope some of you other fans will take up the cause and make plain just what an SOS at sea means. A.F., Cedar Rapids, Nebr.

Poor Business

Concerning this business about announcer's not doing their work right:

Being an ardent worshipper of the great god, DX, I have had, of course, occasion many times to tune in stations where an announcer would not so much as offer the slightest clue as to the identity of the station. I think that such a habit or custom, or whatever it may be called, is not boosting a station, but is bringing upon it the ire of many Radio fans. It seems that every station would like to be on the right side of its listeners, but certainly the manager of a station that so closely hides its identity is not going about this affair in the right manner.

It's discouraging to listen to a station which might be far off without hearing where the station is. O.W.T., Baldwinville, Mass.

Permanent Test Period

Why wouldn't it be a good plan to have a permanent test period in the United States, devoting a short time on a certain day each week for this purpose, the time, if not the day, to be different in each time zone? Only call letters and location should be broadcast during this period, a la CZE, or if music, only a few bars at a time. A few stations could start the ball rolling, if necessary requesting other stations who follow suit to observe the same hour.—A.F.D., Baltimore, Md.

He's Laughing at You

Everytime I buy a new Radio Digest I get an awful laugh out of these wonderful tuners who pull in the 10-watt stations.

Let C.E.J. of Boston and H.W.H. of Vandalia, Mo., read this and weep.

On December 12, 1923, I pulled in KFJR at Stevensville, Mont., a distance of 1,500 miles, who was using five watts of power.

If any proof is needed, I will gladly send a photostatic copy of the affidavit Mr. A. C. Dixon sent me, or they can write to Mr. Dixon, KFJR, now located at Portland, Oregon.—R.A.V., Lafayette, Ind.

Bill Asks That Copyrighted Music Tell Reserved Rights

WASHINGTON, D. C.—Representative MacGregor of New York has introduced a bill in the house which has been referred to the committee on patents dealing with the Radio copyright situation.

The bill provides that the sale of copyrighted music composition shall carry with it the implied price to the purchaser or other lawful holder, to publicly perform it for profit or otherwise unless there shall be printed on the title page or othewise conspicuously displayed on it, a notice that the rights of such public performance are reserved to the author or owner. The bill affects composers and publishers and is along the line of certain suggestions made during the course of the recent Radio copyright hearings.

Iowa's attorney general, Benjamin Gibson, has joined forces with the Iowa Radio Listeners league to eliminate interference throughout the state. Mr. Gibson's first move will be the drafting of a statue aimed at manufacturers of Radio receivers which cause interference.

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5-1-26

Radio Comes to Rescue of Postmaster Who Had Chicks Stranded in Office

HOT SPRINGS, Ark.—That Radio serves in many curious ways was illustrated in Hot Springs, Arkansas, once more when the offices of Station KTHS, the New Arlington hotel, brought back the smiles to the lips of Postmaster Carey Johnson, after two days when all the joy had been abstracted from his busy life by the arrival of 100 chicks in his office.

He freely admitted that was too many chicks for his peace of mind, regardless of the fact that they were all beautiful specimens—of the feathered variety.

Can't Find Missing Keys

Life was going its merry round when a train brought in an even hundred pure bred chicks consigned to one A. B. Keys. Then the clouds began to darken the sunny skies of Postmaster Carey's morning when the carriers could not locate Keys. A search of directories failed to shed any light on the situation, and meantime the chicks got hungry and yet more hungry and their lamentations lifted skyward in outraged cluckings.

One day passed; then another of anxiety for men, postmaster and chicks. Finally a brilliant idea percolated to the postmasterial cranium. "Let's try Radio." Announcer G. C. Arnoux, of KTHS, was consulted. An hour later the call for Mr. Keys went out over the air, advising him to come get his chicks before the postal clerks took to the woods or made dumplings of same.

Ride of Hero of Tiger Creek

Far out in the neighborhood of Tiger Creek, beyond reach of mail routes or phone, lived a gent Yclept Swartz, and being a progressive farmer, he owned a Radio. Of course he possessed a mule. His Radio was pointed for KTHS and hearing the pitiful appeal of the post office, he saddled up Betsy and went speeding cross country a good two miles to the bank of the creek where resided the missing Keys.

Three hours later the much sought for owner of the chicks arrived, backed his wagon up to the post office and relieved the harassed postmaster of his unwelcome guests.

Is Postmaster Carey a Radio fan? We should hope to cheep.

STATIONS BOAST OF QUICK CHANGE OVER

TWO STATIONS in different vicinities, WJZ at New York and WKRC at Cincinnati, announce that they can now change over from one remote control pick-up point to another, while one announcer is in the middle of a sentence, and have the sentence completed at the second pick-up point by another announcer without listeners being able to detect a second's pause. Evidently both stations have been working along the same line of perfection.

Give Shell Race Data Fast By Short Wave Rebroadcast

SEATTLE, Wash.—When the University of Washington's star oarsmen drubbed the crew of the University of California recently on Lake Washington, Station KFOA "trailed" the races from beginning to end and gave the listeners probably a better picture than the spectators along the shore or in small craft along the cruise could get.

The Seattle Times press boat trailed close behind the racing crews and Palmer K. Leberman, short wave expert, broadcast the descriptions of the races "stroke-by-stroke" through a special 38-meter phone set with which the boat had been equipped. The 38-meter wave was received at the Times office and put on telephone wires which went through two exchanges before reaching KFOA's studio. Here the decriptions were listened to and repeated on 455 meters by the KFOA announcer.

A force of nineteen men was required to do this.

Stylish Flaring Model

$1.00 down!

Flat Silk Crepe

Don't miss this offer; only $1.00 down and then 6 months to pay for this ultra-stylish model of excellent quality flat silk crepe. Fashionably tailored in the new side effect now so popular. Skirt is flaring in front and trimmed at bottom with a band of contrasting color silk. See the stylish rounded collar—the attractive silk rose at the side. Back is plain except for a sash belt of self-material. Try and match this model anywhere else and see how much more you would have to pay. Comes in black, rosewood or palmetto green. Sizes 34 to 44. Total lengths up to 45 inches. No longer.

Order by No. S-6. Terms: $1.00 with coupon, then only $2.35 a month. Total Bargain Price, only $14.90.

No C.O.D. to Pay

6 Months to Pay

Do you realize how easy our monthly payment plan makes it for you to have this fashionable silk crepe dress? You pay only a little each month. Thousands of well dressed women buy our quality clothes out of the nickels and dimes they would otherwise throw away. You can too. Just try it. Send only $1.00 now. (No C. O. D.) Get this dress on approval. Try it on—judge it for yourself—see what an unusual bargain it is. Then decide. If perfectly satisfied send only $2.35 a month for 6 months. But act quick as our supply is limited. Send coupon and only $1.00 now.

No Risk to You. Money Back if Not Satisfied!

Elmer Richards Co.

Dept. 4415 West 35th Street, Chicago, Ill.

I enclose **$1** deposit. Send me the Flat Silk Crepe Dress **No. S-6.** If I am not delighted with the dress, I can return it and get my $1 back. Otherwise, I will pay **$2.35** a month until I have paid **$14.90** in all.

(Check Color Wanted) *Black* ☐ *Green* ☐ *Rosewood* ☐

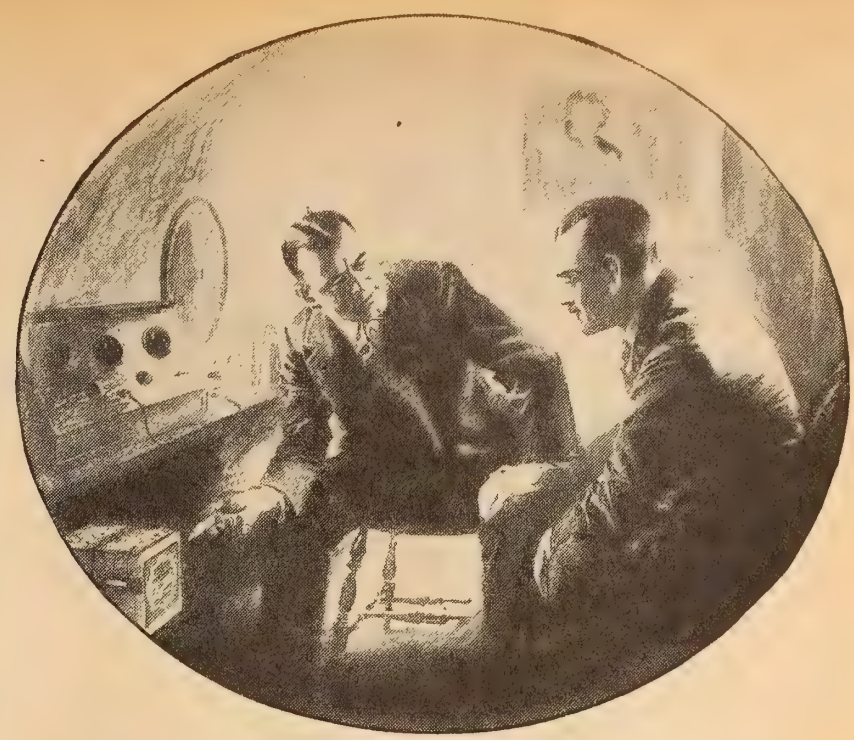
Bust..... *Belt*..... *Hip*..... *Length*.....
(Be sure to fill out the above lines)

Name.....

Address.....

P.O...... *State*.....

Send for FREE Style Book



"The little wrinkle that makes my 'B' batteries last longer is using the right size Eveready with a 'C' battery"

"I USED to think that because the Eveready 'B' Battery No. 772 cost less than either of the larger Heavy Duty Eveready that I was saving money. As a matter of fact, on four or five tube sets, that was false economy.

"The right size Eveready 'B' Batteries to use depends on the number of tubes in your set. The life of the batteries depends on how much you listen in and on whether a 'C' battery is employed."

To get the maximum of "B" battery life and satisfaction, follow these simple rules:

On 1 to 3 tubes—Use Eveready No. 772.

On 4 or more tubes—Use the Heavy Duty "B" Batteries, either No. 770, or the even longer-lived Eveready Layerbilt No. 486.

On all but single tube sets—Use a "C" battery.*

Follow these rules, and No. 772, on 1 to 3 tube sets, will last a year or more; Heavy Duties, on sets of 4 or more tubes, eight months or longer.

The average year-round use of a set is two hours a day. If you listen longer, your "B" batteries will have a somewhat shorter life. If you listen less, they will last longer.

Our new booklet, "Choosing and Using the Right Radio Batteries," is free for the asking. It also tells about the proper battery equipment for the new power tubes.

*NOTE: A "C" battery greatly increases the life of your "B" batteries and gives a quality of reception unobtainable without it. Radio sets may easily be changed to permit the use of a "C" battery by any competent radio service man.

Manufactured and guaranteed by
NATIONAL CARBON CO., INC.
New York San Francisco
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Toronto, Ontario

Tuesday night means Eveready Hour—9 P.M., Eastern Standard Time, through the following stations:

WEAF—*New York* WGR—*Buffalo* WGN—*Chicago*
WJAR—*Providence* WCAE—*Pittsburgh* WOC—*Davenport*
WEEI—*Boston* WSAI—*Cincinnati* WCCO—*Minneapolis, St. Paul*
WTAG—*Worcester* WEAR—*Cleveland* KSD—*St. Louis*
WFI—*Philadelphia* WWJ—*Detroit*

LEFT—*No. 486, for 4, 5 or more tubes.* $5.50.

RIGHT—*Eveready Dry Cell Radio "A" Battery 1½ volts*

EVEREADY Radio Batteries
—they last longer

A STEP ON THE STAIRS

(Continued from page 12)

ily as the muffled roar of an automobile engine diminishing rapidly as the car of the state troopers swept out toward the Bay road, evidenced that the long arm of the law was gathering in its own. "There is a streak of light in the East. . . The dawn is coming."

"It has been a hard night for you, dear," remarked John, in a half whisper. "And you were wonderful through it all."

"I am afraid I am not a very good detective, John . . . Not nearly so good as Hazel Stanton. . . She has such admirable qualities as a policewoman."

"Forget Hazel Stanton. She was never anything but a minor character in the piece. And as a detective—bah! She was always picking the wrong one."

"She picked you, John. . . I could see it in her eyes. She was a woman first and a detective second, and I hated her. I believe if I hadn't hated her I shouldn't have mixed up in this business at all."

"Then there is that much to her credit anyway. She brought us together. I might still be flitting about in the dark if it hadn't been for your bravery."

"Bravery!" The girl laughed. "I brave? Why I was frightened to death. Every minute of this night I wanted you, Johnny. . . I was so alone . . . So helpless."

"Helpless? Helpless? If you've solved a murder mystery and captured a murderer while helpless, it ought to be a positive pleasure to see you work when you felt sure of yourself."

"Don't laugh at me, John, I mean it. Never in my life again will I be able to forget that horrible front door—firm and strong and tightly barred—but letting terrible creatures walk through it at will, in and out, in the dark."

"You needn't worry about the door any more. Uncle Peleg has had it nailed up. He says he is going away on his long cruise and try to do his permanent dying somewhere else so that his corpse won't have to be carried out through the Turners' last exit. He is giving us this house if you think you can stand to live in its shadows. . . And when we're married, we can cut a new door through the front wall with a glass panel in it looking out through the cedars toward the bay. . ."

He broke off suddenly and half rose from the davenport. The girl pulled him back with a start of terror.

"Listen, Johnny! What's that?"

"It's nothing, dearest. . . It can't be anything now."

"Don't leave me, Johnny. . . It's the step . . . the step on the stairs. . . The hall door is opening."

"It's Hari Singh."

The Hindu grinned.

"We have a visitor, Sahib," he said. "A clergyman, who says that Peleg Turner telephoned to him to come at once to marry someone."

"Call Uncle Peleg and show the gentleman in," directed John Carton.

"What are you delaying for, Hari Singh?" inquired Mary Williams.

CONCLUSION

KMTR IS "HIGH-BROW"

(Continued from page 13)

the start. Mammy Simmons, as all in Atlanta, Georgia will remember, was the Uncle Remus story teller at that city for a long, long time, and the memories of Joel Chandler Harris are now being kept alive out on the Pacific coast as well as in the South.

Outside of the concert hour in the evening and Mammy Simmon's home hour for the children, nothing is presented over KMTR but educational talks and lectures of the highest caliber given by men and women who are authorities in their respective lines. But one remote control studio is used although the station owns and operates the short wave broadcaster 6XBA, designed and built by its chief technician, Freeman Lang, as well as a fleet of public address systems mounted on automobile chassis, which enable the station to reach out and bring in almost any feature that might happen around Los Angeles.

To those who still think of Hollywood as a movie city, with nothing but Rolls-Royces on the streets and life one succession of gay parties, it would probably be a revelation to listen in on KMTR on a Tuesday evening between 7:45 and 8:30 to hear the broadcast of the Hollywood community sing where the people of Hollywood get together, just as they do in Podunk, Indiana, or any other town in America, and join in community singing.

So KMTR is a high-brow station and proud of it. As the directors say, nearly every Radio station in the country seems to be catering to the low-brow so why not have a few that are avowedly for the high-brow listener.

"BIG RABBIT"

(Continued from page 9)

I BREATHED with relief. Miss Tonneson at least was under the protection of Major Gaskill. The prospect of again striking the trail filled me with new life. I hastened to the water front and began making my way along the slips, inquiring about a boat, fearing the party had taken one of the large passenger steamers either for the upper St. Johns or for the East Coast.

At a slip at the front of Laura street I found the trail. A strange gasoline launch, unnamed, had been in the slip for several days and had left early that morning. It had taken aboard six barrels of gasoline consigned to William Duke and remained in the slip until shortly before eight o'clock when a tall white man, two negro men, and two women, both closely veiled, had boarded the launch, arriving in a taxi cab.

The launch had cast off immediately and proceeded up river. Several persons remembered the launch well. One had seen the party board her, and had observed that one of the women appeared to be sick, as she was supported by the white man and the other woman. The launch, according to the men who saw her, either was a stranger, or had been repainted since any former appearance in the port.

The crew consisted of three negroes, none of whom were known. The dock tender had thought the launch was the property of some of the wealthy winter resorters and had not paid much attention to her.

There was no doubt but that we were on the right trail, and that the party had gone up the St. Johns river. But where?

I still was seeking information when the steamer May Garner came down from the points up the river, and as she waddled into her slip, I approached to make inquiries whether she had passed a launch answering the description I had secured. Captain Grove said he had sighted perhaps a half dozen launches during the trip down from Green Cove Springs, several of which he knew.

He had observed one, a large, white cabin launch, which seemed to fit the description. He had noticed it particularly, because it seemed to be hugging the West side of the river, and was far out of the marked channel.

THE May Garner was at that time in the deep cove at Plummer's landing, and the launch, being more than three miles away and on the opposite side of the river, was indistinct. Captain Grove's attention had been attracted to it by its strange course, indicating either that it was in a great hurry and was making chances of grounding by cutting the corners or that it was striving to escape notice.

Satisfied that the launch was the one we were striving to trace and that its passage would be noted at points further up the river I hastened back to the Seminole where, in a short time, Borton rejoined me.

"We were right," he said shortly, seeming to have forgotten our little clash. "The porter is with them. None of the railroad people knows much. The launch was rented in the name of King, by a colored man, and paid for in advance. The party left the car a few minutes after the train reached Jacksonville, Major Gaskill, Miss Tonneson, Trimble and the maid in a taxi. Miss Tonneson either was drugged or sick. They half carried her. The car was switched out into the yards."

"Trimble returned after helping the women to the taxi and joined the negro porter. Evidently they carried us out of the car and dumped us alongside the railroad in the yards. They were afraid to have us found unconscious in the car for fear the cleaners would call the police. The whole party then went in taxis to a launch at the foot of Laura street. The cab starter heard directions given."

"I discovered that part of it," I assured him, and, as quickly as possible outlined to him the result of my investigations.

"GOOD—the trail leads up the river," Borton said. "No use starting this late today. They can't hide that trail. We must find out about the regular river boats, and lease the fastest motor boat we can get. This afternoon we must make the rounds of the lumber dealers and find where Gaskill's mills are located. Possibly they are going to one of his lumber camps. Then we'll get some sleep. We are both half dead and can't push much further without rest."

Anxious as I was to be on the trail I realized his plan was best. The excitement had buoyed us up during the day, but the deadening effect of the drug, the weariness of the ride, the shock of the abuse we had endured, all were telling upon us. I had scarcely realized how sore and weary I was until Borton spoke and then felt ready to collapse. A glance at Borton's face, drawn and gray from fatigue and suffering, proved that pursuit, for the time being, was out of the question.

For two hours more we dragged our pain wracked bodies around the city. In the first lumber office I learned that Gaskill was the ostensible owner of three saw mill plants; one near Federal Point, one near Sanford and a third on Cross Creek. The greater part of the land controlled by Gaskill had been cut over until the output of the mills was small and they were operated spasmodically.

Gaskill had attempted to sell tracts of land for colonization but the deal had fallen through. Borton returned soon after I completed my task. He had engaged a fast motor boat, the Jason, and had learned the time of departure of all up river steamers. We hardly could keep awake during the dinner and, before nine o'clock, we plunged luxuriously into soothing hot water, and afterward fell asleep in a few minutes, I to dream that I was rescuing Roberta Lee Tonneson from the clutches of a huge rabbit which grinned like Borton.

Dreaming of Roberta in the clutches of a grinning rabbit of giant proportions may have been prophetic for Wen. At any rate the two hounds are set for a devious water trail and the next episode will carry us into a strange and weird setting with the haunting shadows of the Big Rabbit, the girl and her guardians tantalizingly near and yet so far.

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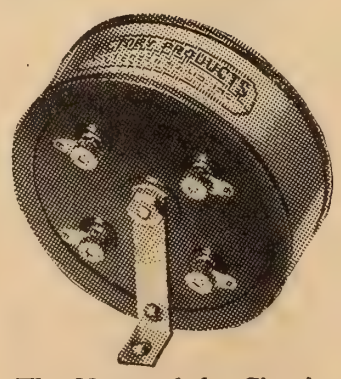
The organization of Radio clubs in Oregon continues at a pleasing rate, the latest addition being the McMinnville Radio club which with its initial bow authorized the purchase of apparatus sufficient to "clean the air" in their locality.

Bring in Europe on a Victoreen "Super"



The Heart of the Circuit

	Each
4, No. 170 R.F. Transformers @	7.00
1, No. 150 Coupling Unit @	5.50

You can secure these and all other parts necessary from your dealer.

Victoreen Air Core Transformers are more than matched—they are actually tuned to guaranteed precision of 1/3 of 1%.

Ask your dealer for a free folder and hook-up of Victoreen "Super" or write directly to us. This folder answers all questions about the Victoreen.

The George W. Walker Co.

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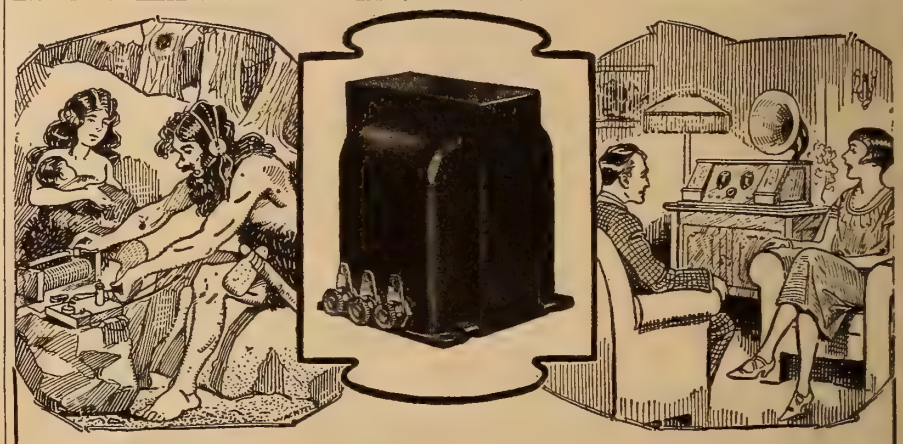

Modernize Your Radio Set!

THORDARSON Autoformer

Trade-Mark Registered

All Frequency Amplifier

From the majestic roll of the grand organ to the high flute like tones of the coloratura, every note—every harmonic—is faithfully reproduced in the Autoformer equipped receiver. No note is too low—and none too high to receive full amplification.

It encompasses the advantages of transformer, resistance, and impedance coupled amplification with the disadvantages of none.

Write for descriptive bulletins.

THORDARSON ELECTRIC MANUFACTURING CO.

Transformer specialists since 1895

WORLD'S OLDEST AND LARGEST EXCLUSIVE TRANSFORMER MAKERS

Chicago, U.S.A.

Super-Torodyne: An Improved 8-Tube Super

Part IV—Completed Wiring and Operation

By J. E. Owen, Univ. of Okla.

CONTINUING last week's article we shall complete the wiring of the Super-Torodyne as it would be used with an aerial, and will then consider circuit modifications which permit the use of a loop such as the one shown in figure 10.

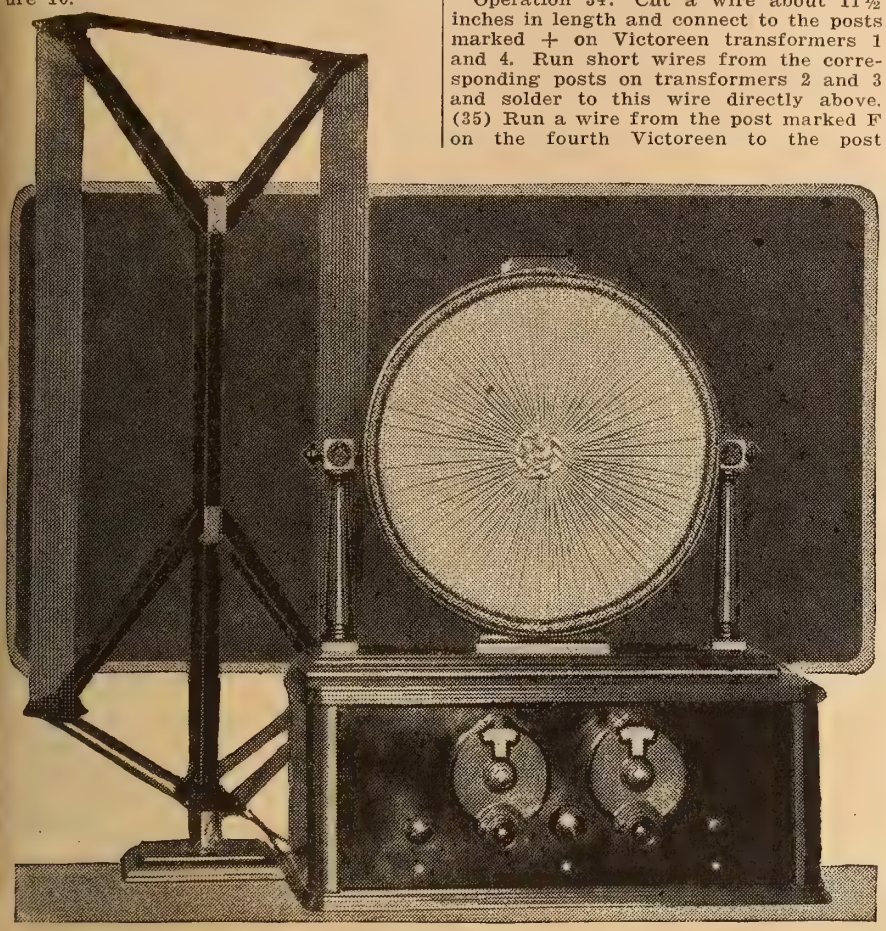

Figure 10

The Victoreen transformers may now be placed upon the sub panel and mounted at an angle of approximately 45 degrees, each to the other, as was explained in the second article.

Operation 27: Run a wire from P on socket No. 1 to P on the first Victoreen transformer. (28) Run a wire from G of socket No. 2 to G on the first Victoreen. (29) Run a wire from P on socket No. 2 to P on the second Victoreen. (30) Run a wire from G on socket No. 3 to G on the second Victoreen. (31) Run a wire from P on socket No. 3 to P on the third Victoreen. (32) Connect a wire from G on socket No. 5 to G on the third Victoreen. (33) Run a wire from P on socket No. 5 to P on the fourth Victoreen. Now run a wire from G on the fourth Victoreen under this transformer and toward the back, where it is connected to one side of the grid condenser of the second detector. A wire from the other side of this condenser goes to the post marked G on socket No. 6. These wires form the only support for the second grid condenser as may be seen in figures 4 and 7.

Operation 34: Cut a wire about 11½ inches in length and connect to the posts marked + on Victoreen transformers 1 and 4. Run short wires from the corresponding posts on transformers 2 and 3 and solder to this wire directly above. (35) Run a wire from the post marked F on the fourth Victoreen to the post marked — on socket No. 4, which is really the positive filament post. Take a wire about 8 inches long and connect the posts marked F on transformers 1 and 3. From the post marked F on transformer No. 2 run a lead to the wire directly above it and solder.

Operation 36: Drill a hole back of the hole behind Amperite No. 4. (37) Run a wire under the sub panel from the left terminal screw of the right Tobe fixed condenser up through and solder it to the wire that connects the binding post marked F on the Victoreens Nos. 1, 2, and 3. (38) Drill through the sub panel, back of the potentiometer and slightly to the right. Run a wire from the moving arm connection of this potentiometer through this hole and to the left terminal of the right Tobe condenser. (39) Drill two holes between Victoreens Nos. 1 and 2. Solder a wire to the lead which connects the posts marked + on the four Victoreens and run it through one of the holes just drilled and over to the right terminal screw on the left Tobe condenser. This wire should be insulated, particularly under the sub panel. A wire should be soldered to it and to the terminal of the Bremer-Tully choke that has no connection.

The binding post strip with its brackets should now be put on the sub panel, and over the Victoreen transformers. Connect a wire from the left binding post marked ANT to the post marked P on the left toroid coil. The second binding post which is also marked ANT is connected to the binding post T on the left toroid coil. Use spaghetti insulation on these leads. Connect the next binding post marked GND to the next one to it marked A BAT. There is a hole between Victoreens Nos. 1 and 2 through which there is no wire. (40) Connect a wire to the binding post marked A BAT—, run it down through this hole, and solder to the negative bus underneath the sub panel.

Operation 41: The next binding post is marked A BAT+. Run a wire from it to the next post which is marked C BAT+. Drill a hole between Victoreens Nos. 2 and 3. (42) Run a wire down through this hole, connecting at the top with the wire common to the binding posts marked B BAT—, C BAT+, and A BAT+. After it passes through the sub panel, bend it straight toward the front until it reaches the front panel, then bend it to the right until it comes directly below the Benjamin battery switch. Use spaghetti on this wire. It is now brought up and soldered to one terminal on the switch. A short wire connects the other terminal of this switch with the positive bus under the sub panel. (43) From the post marked F on the top Jefferson transformer an insulated wire is run to the binding post marked C BAT—. The next binding post after the B BAT— is the +B detector. An insulated wire is run from this binding post to the binding post on the lower Jefferson transformer marked B. The next binding post on the binding post strip is marked B AMP+. Drill a hole between Victoreens Nos. 3 and 4. (44) Drill another hole between socket No. 7 and the Jefferson transformers. Run a wire from the binding post marked B on the upper Jefferson transformer through this hole, across to the left, then bend to the back and up through the hole between Victoreens Nos. 3 and 4, and connect to the post marked B AMP+. A wire also con-

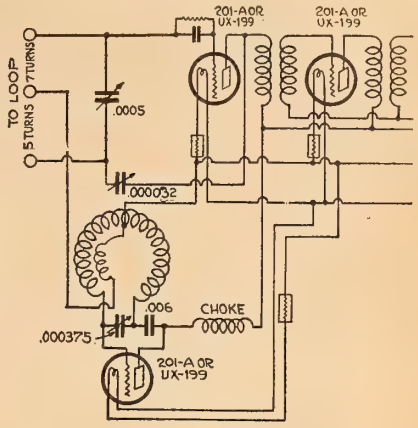

Figure 11

(Continued on next page)

Gets Everything But Noise!

Read this convincing letter from a man who has "listened and marveled":

"Utica, N. Y.
Kane Antennae Co., Jan. 16, 1926.
Gentlemen:
We have found your Kane Antennae the greatest thing we have come across in the way of eliminating interference. It is a real life saver to us, as since we have installed it we get wonderful reception, where before we got only noise.
Very truly yours,
Utica Radio Supply Co.,
By M. Swire."

Improves Reception 60%

Entirely eliminates all power noises such as leaky transformers, generators, motor hums, Delco Plants, etc. Cuts static and regeneration howls and squeals in two. Proves statements of leading Radio Engineers that fully 75% of so-called "summer static" is nothing more than electric power interferences. Dr. Gehrig of Oakland, Cal., says it improves his reception fully 60 percent. Do away forever with disagreeable noises.

$1.00 *Brings BLUE PRINT Complete Working Drawings* and full instructions for erecting this wonderful Antennae. Just send $1.00 (a check will do. Stamps not accepted). A limited number available. Send TODAY.

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Dept. 823G., 3034 W. Van Buren St., Chicago.
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Positively given **free** with each purchase of a WORLD "A" Storage Battery. You must send this ad with your order. WORLD Batteries are famous for their guaranteed quality and service. Backed by years of successful manufacture and thousands of satisfied users. Equipped with *Solid Rubber Case*, an insurance against acid and leakage. You save 60 per cent and get a

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WORLD Battery owners "tell their friends." That's our best proof of performance. Send your order in today.

Solid Rubber Case Radio Batteries
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6-Volt, 140-Amperes 14.00

Solid Rubber Case Auto Batteries
6-Volt, 11-Plate $11.25
6-Volt, 13-Plate 13.25
12-Volt, 7-Plate 16.00

Send No Money Just state battery wanted and we will ship day order is received, by Express C. O. D., subject to your examination on arrival. FREE "B" Battery included. Extra Offer: 5 per cent discount for cash in full with order. Buy now and get a guaranteed battery at 50 per cent saving to you.

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WORLD BATTERY COMPANY
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510 North Dearborn Street
CHICAGO

NEW SUPER-TORODYNE

(Continued from preceding page)

nects this post to the one next to it marked SPEAKER. The other speaker post connects to the post on socket No. 8 marked P.

Test the Wiring

The Super-Torodyne is now wired. Be sure that the Amperite cartridges and the grid leaks are secure in their mountings, Amperites 7 and 8 being the No. 120 type. Insert tubes in their sockets. Connect the A battery to its terminals and notice whether the tubes all turn on and off as the Benjamin battery switch is operated. If everything is satisfactory, disconnect the A BAT+ lead and touch it to the post marked C BAT+. The tubes should now light. Next, connect the A BAT+ lead to the post marked C BAT—. The tubes should not light with the switch either in or out. Now connect the lead to the B BAT— post. The tubes should light with the switch on but should not light when the switch is off. Now connect it to the B+ and the SPEAKER posts in turn. The tubes should not light when connection is made to any of these posts. If the tubes light when they should not, carefully check the wiring until the mistake is found.

Operation of the Set

If the set performs as it should, connect the plus A lead to its post, also the C and B batteries as indicated by the binding posts and the wiring diagram. Connect the ground and the antenna leads, also the speaker to their respective posts. The receiver should now be ready for operation. Set the midget condenser at about half the capacity with the potentiometer near the negative side. Rotate the two main condenser dials until a station is found. Adjust the strength and selectivity of the set with the potentiometer and the midget condenser. A little practice will enable one to tune the set very rapidly and without oscillation in the first detector circuit.

The length of aerial used will depend on local conditions and the degree of selectivity desired. For average reception conditions, one of 60 feet will be sufficient, while a well insulated wire a few feet in length placed under the rug or around the picture moulding will be very good during the static periods of the year.

The use of a single wire aerial makes ease of installation, although it is often desirable to use a loop, particularly in localities congested with Radio traffic. With a medium length aerial, the Super-Torodyn will tune out local stations very effectively, even within a very short distance of such stations. This is due, in part, to the use of the toroid coils in the antenna and oscillator circuits.

The directional characteristics of a loop, however, give a higher degree of selectivity. In figure 10, the Super-Torodyne is shown with an Ajax loop, which is well fitted to the circuit. In figure 11 are shown the few modifications which are necessary in order to use this loop. The "center tap" on the loop is one turn off center, while the connections to be made are shown. No antenna coupler is used. With the Ajax loop, a .000032 mfd. midget condenser should be used for regeneration control.

As a large midget condenser has relatively small body capacity effects on the regeneration control, the tap was taken on the antenna coupler for use with a straight wire aerial in such a way that the mfd. midget condenser could be used.

In the same way that certain parts were specified for use with this receiver, the accessories required need some attention. For the reproducing element, a good speaker is recommended to take full advantage of the low base range of the Jefferson transformers and the enormous volumes that these stages can deliver. For the tubes, use only standard makes. By properly choosing the Amperite, storage battery instead of dry cell tubes may be used. Have your tubes tested and place the two best in sockets Nos. 1 and 5.

There are no major adjustments to be made in the Super-Torodyne when properly wired. Some minor adjustments have been described from time to time in these articles and when these are made and the set assembled according to the directions, you will find the Super-Torodyne a peer among receivers.

CLASSIFIED ADVERTISEMENTS

Classified advertisements in Radio Digest produce results. Have you a receiving set to sell? Do you want to buy a Radio? A classified advertisement in this column will sell your set.

Rates are twenty cents a word for each insertions, ten per cent for six insertions, fifteen per cent for twelve insertions, twenty per cent for twenty-four insertions. Name and address to be included at above rate. Cash should accompany order. Minimum of ten words.

Objectionable and misleading advertisements not accepted. Forms close three weeks prior to date of publication, which is first and fifteenth of each month.

BLUE PRINTS

Just Out—Actual size template for Radio Digest's latest set—Super-Torodyne, 25c. Instructions appearing in April 10-17-24 and May 1 issues.

Super-Het, Ryan's Simplest Possible 7-Tube Set. Complete instructions, actual size template. How to make a loop. All for 50 cents. Book Dept., Radio Digest, 510 North Dearborn Street, Chicago.

MISCELLANEOUS

Photos of Your Favorite Radio Stars. Ten cents and coupon appearing on another page of this issue will entitle you to one of the photos from Radio Digest gallery of stars. Radio Digest, 510 North Dearborn Street, Chicago.

Radio Fans—A year's subscription to Radio Digest is only three dollars. Send your order now. Fill out coupon on page 26.

PATENT ATTORNEYS

PATENT ATTORNEYS

PATENTS. Booklet free. Highest references. Best results. WATSON E. COLEMAN, Patent Lawyer, 644 G Street, Washington, D. C.

POSTAGE STAMPS

One Hundred Stamps, Free; 2c Postage. Toledo Stamp Company, Toledo, Ohio.

RADIO

Five tube Radio only $22.50. Seminole Radio, 427 East 16th St., New York.

600 MILE RADIO—$2.95. No tubes nor battery needed. Always ready. Fully guaranteed. 200,000 sold. No grinding. A real Radio. Sent postpaid. Order from this advertisement. Crystal Radio Co., Wichita, Kans.

Five tube radio set. $45.00 New. Order from adv. P. V. Graseberger, Bumpass, Va.

New Federal Orthosonic Type A with or without accessories. Corner Pharmacy, Volga, Iowa.

REAL ESTATE

Sell your property quickly for cash, no matter where located, particulars free. Real Estate Salesman, 509 Brownell, Lincoln, Nebraska.

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A PAYING POSITION OPEN to representative of character. Take orders shoes-hosiery direct to wearer. Good income. Permanent. Write now. Tanners Shoe Mfg. Co., 3-717 C St., Boston, Mass.

$1.00 down!
Balance in easy monthly payments buys a 21 Jewel
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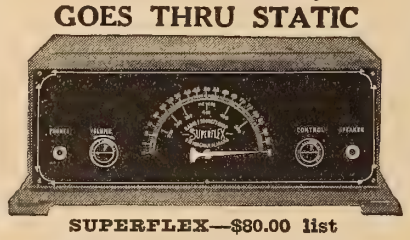

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45 volts, $5.25; 90 volts, $10.00; 112½ volts, $12.50; 135 volts, $14.75; 157½ volts, $16.80. Truly the biggest buy today. Easily charged on any current including 32-volt systems. Any special detector plate voltage had. Tested and approved by leading authorities such as Popular Radio laboratories. Over 3 years sold on a non-red tape 30-day trial offer with complete refund if not thoroughly satisfied. Further guaranteed 2 years. Knock-down kits at great savings. Complete "Hawley" "B" battery charger, $2.75. Sample cell, 35c. Order direct—send no money—simply pay the expressman cost on delivery. Or write for my free literature, testimonials and guarantee. Same Day shipments. B. Hawley Smith, 817 Washington Ave., Danbury, Conn.

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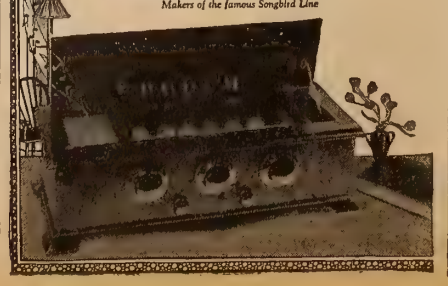

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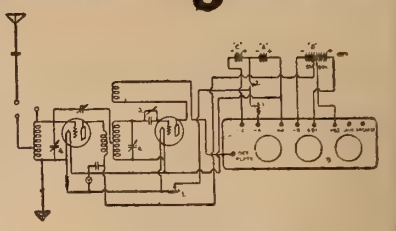

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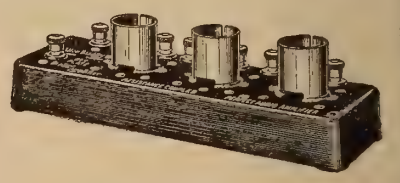

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The quality of the Browning-Drake receiver, like any other selective radio set, can be improved by substituting the Bradley-Amplifier for audio-frequency transformers. Try the Bradley-Amplifier with the Browning-Drake receiver and be assured of amplification without distortion.

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United States

AT9, Fort Bragg, N. C. 434.5m-690kc. 750 watts. U. S. Government. Announcer, Lieut. James Y. LeGette. Slogan, "The Pioneer Broadcasting Station of the Army." Tues, Thurs, Sat, 8-9:55 pm, dance music, talks, bands, fights. Sun, 8-9:55 pm, service. Eastern.

KDKA, E. Pittsburgh, Pa. 309.1m-970kc. 1,000 watts. Westinghouse Elec. & Mfg. Co. Announcer George S. Ryan. Slogan, "The Pioneer Broadcasting Station of the World." Daily ex Sun, 9:45-10 am, 11:55, time, 12, market reports, weather; 2:30-5:30, music; 7, 9:55, time, daily except Sun, Sat; 12:15 pm; 7:45 pm, talks. Daily ex Sat, Sun, 8:30 pm; 8:45, concert; 9:55, time. Sat, 8:45 pm, concert; 9:55, time. Tues, Thurs, 10:30 pm. Sun, 9:45 am, 3 pm, 3:45, 6:45. Eastern.

KDLR, Devils Lake, N. Dak. 230.6m-1300kc. 5 watts. Radio Elec. Co.-Wilson Ins. Agency. Daily ex Sun, 12:10 pm, weather; 6:15, markets. Mon. 9:30-11:30 pm. Sun, 11 am, church. 4:30-6. Central.

KDYL, Salt Lake City, Utah. 245.8m-1220kc. 50 watts. Newhouse Hotel. Announcer, Gene Pack. Slogan, "Out on the Great Divide." Daily ex Sun, 3-4 pm, 6:30-8, news, music, entertainment. Sun, 11-1 am. Mountain.

KFAB, Lincoln, Nebr. 340.7m-880kc. 1,000 watts. Nebraska Buick Auto Co. Announcer, Gayle Grubb. Daily ex Sun, 9:30-9:55 am, weather reports; 3-4 pm, Mon, Tues, Wed, Fri, 10:30-11 am, home economics, 1:15-1:30 pm, talks; 3:30-4 pm, 5:30-6:30, 8:05-8:30, college of agriculture; 8:30-10:30. Tues, Sat, 3-4 pm Sat, 9:30-9:55 am; 5:30-6:30 pm, 8:30-10, 12-2 am. Sun. 4-5 pm; 9-11. Central.

KFAD, Phoenix, Ariz. 272.6m-1100kc. 100 watts. Electrical Equip. Co.-McArthur Brothers Mercantile Co. Announcer, Arthur C. Anderson. Slogan, "The Voice of Phoenix." Daily ex Sun, Mon, 6-7 pm, 8-9. Daily ex Sun, Wed, 6-7 pm; 9-11, concert, news, stocks. Mountain.

KFAF, San Jose, Calif. 217.3m-1380kc. 50 watts. Alfred Fowler.

KFAU, Boise, Idaho. 280.2m-1070kc. 750 watts. Boise H. S. Announcer, Hoyt Cooper. Slogan, "Idaho Station." Daily ex Sat, Sun, 12:30-1 pm, markets, weather, news. Mon, 7:30-9 pm, concert. Thurs, 8-10 pm, concert. Sat, 7:30-8:30 pm. Sun, 7:30-8:30 pm, church service. Mountain.

KFBB, Havre, Mont. 275.1m-1090kc. 50 watts. F. A. Buttrey Co. Announcer, C. O. Boettger. Daily ex Sun, 12:45 pm, music, markets, weather, reports. Mountain.

KFBC, San Diego, Calif. 215.7m-1390kc. 50 watts. W. K. Azbill. Sun, 9-10 am, Bible lesson, sermon. Pacific.

KFBK, Sacramento, Calif. 247.8m-1210kc. 100 watts. Sacramento Bee. Mon, Thurs, Sat, 7:30-10 pm. Mon, 6 pm. Pacific.

KFBL, Everett, Wash. 223.7m-1340kc. 100 watts. Lesse Bros. Daily, 7:30-8:30 pm. Pacific.

KFBS, Trinidad, Colo. 238m-1260kc. 15 watts. School District No. One.

KFBU, Laramie, Wyo. 270.1m-1110kc. 500 watts. Bishop N. S. Thomas.

KFCB, Phoenix, Ariz. 238m-1260kc. 125 watts. Nielsen Radio Supply Co. Announcer, E. A. Nielsen. Slogan, "When It's Wintertime in Michigan, It's Summer Time Down Here." Daily ex Sun, 8-8:15 am. Mon, Wed, 8-9 pm. Sat, 7-8 pm; 12-2 am. Mountain.

KFDD, Boise, Idaho. 278.6m-1080kc. 50 watts. St. Michael's Episcopal Cathedral. Announcer, Rupert Kent. Sun, 11:15-12:30 pm, 7:30-9:15. Mountain.

KFDM, Beaumont, Tex. 315.6m-950kc. 500 watts. Magnolia Petroleum Co. Announcer, Magnolene Mike. Slogan, "Kall for Dependable Magnolene." Tues, Fri, 12:30-12:55 pm, band concert; 7-7:30, children's hour; 8-10, concerts. Sun, 11-12 m, 8-9 pm. Central.

KFDX, Shreveport, La. 249.9m-1200kc. 100 watts. First Baptist church. Announcer, Hugh Claycomb. Sun, 10:50 am; 7:45 pm. Wed, 9-10 pm. Central.

KFDY, Brookings, S. D. 272.6m-1100kc. State College of Agriculture and Mechanical Arts.

KFDZ, Minneapolis, Minn. 230.6m-1300kc. 10 watts. Harry O. Iverson.

KFEC, Portland, Ore. 247.8m-1210kc. 50 watts. Meier & Frank Co., Inc. Daily ex Sun, 12 m, weather, reports; 4-5 pm, music; 6:30 pm, weather, crop, markets, reports. Sat, 11 am-12 m, children's hour. Pacific.

KFEL, Denver, Colo. 254.1m-1180kc. 50 watts. W. L. Winner, Inc. Announcer, Eugene P. O. Fallon. Daily ex Sun, 11 am, 2 pm, 4, 5. Tues, 9-10 pm; Thurs, 8-12 midnight. Mountain.

KFEQ, Oak, Nebr. 267.7m-1120kc. 500 watts. J. L. Scroggin. Announcer, G. G. Scroggin. Daily ex Sun, 2-3 pm, orchestra; 8:30-10. Sun, 4:30-6 pm. Central.

KFEY, Kellogg, Idaho. 232.4m-1290kc. 10 watts. Bunker Hill & Sullivan Mining & Con. Co. Announcer, Walter C. Clark. Slogan, "Voice of the Coeur D'Alenes." Mon, Wed, 6-7 pm. Sat, 9-11 pm. Sun, 6-7 pm. Pacific.

KFFP, Moberly, Mo. 241.8m-1240kc. 50 watts. First Baptist Church. Announcer, Granville Ray Boots. Slogan, "The Gospel Messenger of the Air."

KFGQ, Boone, Ia. 225.4m-1330kc. 10 watts. Crary Hardware Co. Announcer, Harold E. Wilcox. Slogan, "Daniel Boone Station." Tues, 10-11 pm. Fri, 8:30-9:30 pm. Central.

KFH, Wichita, Kan. 267.7m-1120kc. 500 watts. Hotel Lassen. Daily ex Sun, 9-11 am; 1-2 pm; 7-8. Sun, 9:45 am, church; 7:15 pm; 9:15. 10-11 pm. Central.

KFHA, Gunnison, Colo. 252m-1190kc. 50 watts. Western State College of Colorado. Announcer, E. Russel Wightman. "Where the Sun Shines Every Day." Tues, Fri, 6:30 pm, bedtime story; 8 pm, musicale; 10:30, orchestra. Mountain.

KFHL, Oskaloosa, Iowa. 239.9m-1250kc. 10 watts. Penn College.

KFI, Los Angeles, Calif. 467m-642kc. 4000 watts. Earle C. Anthony, Inc. Announcer, Robert Hurd. Slogan, "A National Institution." Daily ex Sat, Sun, 5:30-11 pm. Mon, 10:45-11:20 am. Wed, Fri, 10:45 am. Sun 10-11 am, 4-5 pm, 6:30-11, 11-12:30 pm, first and third Sunday of month. Pacific.

KFIF, Portland, Ore. 247.8m-1210kc. 100 watts. Benson Tech. School.

KFIO, Spokane, Wash. 265.3m-1130kc. 100 watts. North Central High School.

KFIQ, Yakima, Wash. 256.3m-1170kc. 100 watts. First Methodist Church. Announcer, Dr. I. M. Miller. Wed, 7:30 pm, organ. Sat, 7 pm. Sun, 11 am, 7:30 pm. Pacific.

KFIU, Juneau, Alaska. 225.4m-1330kc. 10 watts. Alaska Elec. Light & Power Co. Announcer, O. E. Shoembell. Closed for the summer.

KFIZ, Fond du Lac, Wis. 272.6m-1100kc. 100 watts. Daily Commonwealth. Announcer, Albert Mayer. Daily ex Sun, 5 pm, music, news, markets, weather. Sun, 6-7 pm. Central.

KFJB, Marshalltown, Iowa. 247.8m-1210kc. 10 watts. Marshall Elec. Co. Announcer, E. N. Peak. Slogan, "Marshalltown, the Heart of Iowa." Daily ex Sun, 10 am, markets. Tues, Fri, 8:30 pm. Central.

KFJC, Junction City, Kan. 218.8m-1370kc. 10 watts. R. B. Fegan.

KFJF, Oklahoma City, Okla. 260.7m-1150kc. 500 watts. National Radio Mfg. Co. Announcer, Tired Hand. Slogan, "Radio Headquarters." Daily ex Sun, 9:40 am, 12:15 pm, markets; 2:15, markets; 3, 4, 6, baseball; 6:30, weather news, 6:30-7:30. Mon, Thurs, Fri, Sat, 8:15-10:45 pm. Wed, 11-12 midnight. Sat, 11-11:30, American Legion. Sun, 2:30-4 pm; 10-11:45. Central.

KFJI, Astoria, Ore. 245.8m-1220kc. 10 watts. E. E. Marsh and Liberty theater. Announcer, E. E. Marsh. Wed, 9-10 pm, organ. Sun, 12:30-1:30 pm. Sun, 10:30-11 pm. Pacific.

KFJM, Grand Forks, N. D. 277.6m-1080kc. 100 watts. University of North Dakota. Slogan, "Grand Forks, the Educational Center of the State." Daily ex Thurs, 6-7 pm. Thurs, 8:45-10 pm. Sun, 2 pm. Central.

KFJR, Portland, Ore. 263m-1140kc. 50 watts. Ashley C. Dixon & Son. Mon, 7:30-8:45 pm. Tues, 7:15-8:15 pm; 9:15-10:45. Wed, 7:30-8:30 pm. Thurs, 7:30-8:30 pm; 9-10:30. Sat, 1:30-3 pm. Pacific.

KFJY, Fort Dodge, Iowa. 245.8m-1220kc. 50 watts. Tunwall Radio Co. Announcer, Carl Tunwall. Daily, 5:30 pm, markets, news, weather, bulletins. Sun, 11 am, church; 8:15 pm, orchestra. Central.

KFJZ, Fort Worth, Texas. 254.1m-1180kc. 50 watts. Southwestern Baptist Theological Seminary.

KFKA, Greeley, Colo. 272.6m-1100kc. 50 watts. Colorado State Teachers' College. Announcer, John Henry Shaw. Mountain.

KFKU, Lawrence, Kan. 275.1m-1040kc. 500 watts. University of Kansas. Announcer, John F. Patt. Slogan, "Up at Lawrence on the Kaw." Mon, Thurs, 6:55-8 pm. Central.

KFKX, Hastings, Nebr. 288.3m-1040kc. 5,000 watts. Westinghouse Elec. & Mfg. Co. Slogans, "The Empress of the Air," "The Pioneer Re-Broadcasting Station of the World." Daily ex Sun, 5:15-6:15 pm, KDKA programs. Daily ex Sat, Sun, 9:30 am, 10:30, 12:30 pm, markets. Mon, Wed, Fri, 9-11 pm, music. Sat, 9:30 am, 10:30, 12:30 am. Central.

KFKZ, Kirksville, Mo. 225.4m-1330kc. 10 watts. F. M. Henry. Mon, 8-9 pm, dance music. 1st and 3rd Mon, Radio plays. Sun, 3:30-4:30 pm, classical music. Central.

KFLR, Albuquerque, N. M. 254.1m-1180kc. 100 watts. U. & N. M. Announcer, Phillip S. Donnell. Slogan, "The Sunshine Center of America."

KFLU, San Benito, Texas. 236.1m-1270kc. 10 watts. Benito Radio club. Announcer, R. W. Thacker. Slogan, "Heart of the Magic Valley." Mon, Thurs, Sat, 8:30-10 pm, concert. Sat, 8:30 pm, Sunday school lesson. Central.

KFLV, Rockford, Ill. 228.9m-1310kc. 200 watts. Swedish Evangelical Mission Church. Announcer, A. T. Frykman. Fri, 8:30 pm. Sun, 12:30 pm, service for shut-ins (Swedish); 9:30, service (English). Central.

KFLX, Galveston, Texas. 239.9m-1250kc. 10 watts. George R. Clough.

KFLZ, Anita, Iowa. 272.6m-1100kc. 100 watts. Atlantic Automobile Co. Operated by Walnut Grove Hog Remedy Co. Announcer, H. A. Marshall. Daily ex Sun, 11:50-12:30 pm, question box, markets. Wed, 8:30-10 pm. Central.

KFMR, Sioux City, Iowa. 260.7m-1150kc. 100 watts. Morningside College. Announcer, Jesse C. Ducommun. Wed, 9:15 pm. Central.

KFMW, Houghton, Mich. 263m-1140kc. 50 watts. M. G. Sateren (announcer). Sun, 3-4:30 pm.

KFMX, Northfield, Minn. 336.9m-890kc. 500 watts. Carleton College. Announcer, Merrill O. Bolen. Daily 10:25-10:30 am, time. Tues, 9:30-10 pm, lecture. Wed, 9-10 pm, concert. Fri, 10-11 pm, organ. Sun, 7-8 pm. Central.

KFNF, Shenandoah, Iowa. 263m-1140kc. 1000 watts. Henry Field Seed Co. Announcer, Henry Field. Slogan, "Friendly Station in a Friendly Town." Daily ex Sun, 12:15-2 pm; 2:45-4, rocking chair time; 7-9 pm. Sun, 10:45 am, 2:30 pm, 3-4, services; 6:30-7:30, Golden Rule; 7:30-8:30, church service. Central.

KFOA, Seattle, Wash. 454.3m-660kc. 1,000 watts. Rhodes Dept. Store. Slogan, "The Gateway to the Orient." Daily ex Sat, Sun, 12:30-1:30 pm. Daily ex Sun, 10-10:30 am, homemakers hour, 3-4 pm, women's clubs; 5:15, Times Bulletins, concert. Daily ex Sun Thurs, 8:30-10 pm. Times program. Mon, Wed, Fri, 6:45-8:15 pm, studio music. Tues, Fri, Sat, 10-11:30 pm, orchestra. Central.

KFOB, Burlingame, Calif. 225.4m-1330kc. 50 watts. Burlingame KFOB Inc. Tues, 8-11 pm. Thurs, 8-12. Sat, 8-12. Pacific.

KFON, Long Beach, Calif. 232.4m-1290kc. 500 watts. Nichols & Warriner, Inc. Slogan, "Where Your Ship Comes In." Daily ex Sun, Mon, 2:30-5 pm; 6-11. Mon, 6-11. Sun, 2:30-4 pm; 8-10. Pacific.

KFOO, Salt Lake City, Utah. 236.1m-1270kc. 250 watts. Latter Day Saints University. Announcer, Don C. McRae.

KFOR, David City, Nebr. 225.4m-1330kc. 100 watts. David City Tire & Elec. Co. Announcer, Frank W. Trotter. Slogan, "The Voice of David City." Mon, 7-9 pm. Thurs, 7-9 pm. Sun, 3:30-4:30 pm. Central.

KFOT, Wichita, Kan. 230.6m-1300kc. 50 watts. College Hill Radio Club. Announcer, Arnold R. McClintock. Slogan, "Radiocasting Church." Fri, Sat, 12-1:30 am. Sun, 11-12:30 pm; 7:30-9, church services. Central.

KFOX, Omaha, Nebr. 247.8m-1210kc. 100 watts. Board of Education. Technical High.

KFOY, St. Paul, Minn. 252m-1190kc. 50 watts. Beacon Radio Service. Daily ex Sun, 10:05 pm. Central.

KFPL, Dublin, Texas. 252m-1190kc. 15 watts. C. C. Baxter, announcer.

KFPM, Greenville, Texas 241.8m-1240kc. 10 watts. The New Furniture Co. Announcer, Dave Ablowich, Jr. Slogan, "The New Furniture Co., the Home of Good Furniture," Located at Greenville, Texas, Where You Find "The Blackest Land, the Whitest People." Daily ex Sun, 1 pm, music. Tues, Wed, Fri, 8 pm. Sun, 11 am, services; 7:30 pm, irregularly. Central.

KFPR, Los Angeles, Calif. 230.6m-1300kc. 500 watts. Los Angeles Co. Forestry Dept. Irregular schedule.

KFPW, Carterville, Mo. 258.5m-1160kc. 20 watts. St. John M. S. church, S. Slogan, "Keeping Pace with Christ Means Progress." Tues, Fri, 8-10 pm, popular program. Sun, 1-3 pm, chapel service. Central.

KFPY, Spokane, Wash. 265.3m-1130kc. 100 watts. Symons Investment Co. Announcer, E. B. Craney. Daily ex Sun, Tues, 7-7:45 pm. Mon, 9:30-10:30 pm. Wed, 9-12. Thurs, 10-11 pm. Sat, 11-12 midnight. Sun, 9:45-10:30 am; 9-10 pm. Pacific.

KFQA, St. Louis, Mo. 280.2m-1070kc. 1,500 watts. The Principia. Thurs, 8 pm. Sun, 8 pm, church service. Central.

KFQB, Fort Worth, Tex. 508.2m-590kc. 1,000 watts. The Searchlight Pub. Co. Announcer, John R. Denning. Daily ex Sun, Wed, 8:30-9:30 pm. Sun, 8:30 am, 10, 3 pm, 4, 6, 7, 7:30. Central.

KFQD, Anchorage, Alaska. 227.1m-1320kc. 100 watts. Chovin Supply Co.

KFQP, Iowa City, Iowa. 223.7m-1340kc. 10 watts. George S. Carson, Jr. Wed, 8-9 pm. Central.

KFQU, Alma, Calif. 217.3m-1380kc. 100 watts. W. Riker. Announcer, Arthur J. Landstrom. Daily ex Mon, 9-10 pm. Sun, 11-12 m., 9-10 pm. Pacific.

KFQW, North Bend, Wash. 215.7m-1390kc. 50 watts. The Photo Radio and Elec. Shop. Announcer, Carl F. Knierim. Slogan, "At the Western Entrance of Snoqualmie Pass." Thurs, 8-9 pm. Sun, 8:45-10 pm. Pacific.

KFQZ, Hollywood, Calif. 225.4m-1330kc. 50 watts. Taft Radio Company. Announcer, Clyde Hager. Daily, 8-11 pm. Pacific.

KFRB, Beeville, Texas. 247.8m-1210kc. 250 watts. Hall Brothers. Temporarily off the air.

KFRC, San Francisco, Calif. 267.7m-1120kc. 50 watts. City of Paris Dry Goods Co. Mon, 10-11 am; 5-10 pm. Tues, 12-12:20 pm; 5:30 11. Wed, 10-11 am; 5:30-12. Thurs, 4-10 pm. Fri, 12-12:30 pm; 4-11. Sun, 6:30-12 midnight. Pacific.

KFRU, Columbia, Mo. 499.7m-600kc. 500 watts. Stephens college. Daily ex Sun, 4:30 pm. Mon, Tues, Thurs, Fri, 6:15 pm. Fri, 12-2 am. Wed, 6:30 pm, news; 9-11. Sun, 7:30 pm; 9:20. Central.

KFRW, Olympia, Wash. 218.8m-1370kc. 50 watts. "The Loy Memorial." United Churches of Olympia. Slogan, "Make the World a Brotherhood." Thurs, 9-10 pm. Sun, 11-12:15 pm. 7:30-9. Pacific.

KFSG, Los Angeles, Calif. 275.1m-1090kc. 500 watts. Angeles Temple. Tues, Thurs, Fri, Sat, 3:30-4:30 pm. Tues, 6:30-7:30 pm. Wed, 2:30-4:30 pm; 6:30-7:30. Thurs, Fri, Sat, 7:30-11 pm. Sun, 10:30-12:30 pm, 2:30-4:30, 7-9:30. Mon, silent. Pacific.

KFUL, Galveston, Texas. 258.5m-1160kc. 50 watts. Thomas Groggan & Bros.

KFUM, Colorado Springs, Colo. 239.9m-1250kc. 100 watts. W. D. Corley.

KFUO, St. Louis, Mo. 545.1m-550kc. 500 watts. Concordia Theological Seminary (Lutheran). Announcer, Herm. H. Hohenstein. Daily ex Sun, Sat, 3 pm. Mon, 8 pm. Tues, 6:30 pm. Wed, 9:15 pm. Fri, 9:30 pm. Sat, 7:45 pm. Sun, 4 pm, 9:15. Central.

KFUP, Denver, Colo. 234.2m-1280kc. 50 watts. Fitzsimons General Hospital, Educational and Recreational Dept.

KFUR, Ogden, Utah. 223.7m-1340kc. 100 watts. Peery Building Co. Tues, Thurs, Sat, 9:50-11:50 pm, dance music. Mountain.

KFUS, Oakland, Calif. 256.3m-1170kc. 50 watts. The Gospel Radio. Slogan, "The City of Opportunity."

KFUT, Salt Lake City, Utah. 260.7m-1150kc. 100 watts. University of Utah. Tues, Thurs, 12-1 pm. Mountain.

KFUU, Oakland, Calif. 220.4m-1360kc. 50 watts. Mathewson Motor Co. Announcer, H. C. Colburn. Slogan, "The Voice of Automobile Row." Daily ex Sun, 10:45-11:45 am; 6:30-7:15 pm. Tues, Thurs, 8-10 pm. Sat, 6:30-2 am. Sun, 8-9:30 pm. Pacific.

KFVD, San Pedro, Calif. 205.4m-1460kc. 50 watts. McWhinnie Elec. Co.

KFVE, University City, Mo. 239.9m-1250kc. 500 watts. Film Corp. of America. Daily ex Thurs, Sun, 9:15 pm. Central.

KFVG, Independence, Kan. 236.1m-1270kc. 15 watts. First Methodist Episcopal church. Sun, services.

KFVI, Houston, Texas. 239.9m-1250kc. 10 watts. Headquarters Troop 56th Cavalry Brigade.

KFVN, Fairmont, Minn. 227m-1320kc. 50 watts. Carl E. Bagley. Slogan, "The Voice of Martin County." Mon, Wed, Fri, 9 pm. Sun, 3 pm. Central.

KFVS, Cape Girardeau, Mo. 223.7m-1340kc. 50 watts. Hirsch Battery & Radio Co. Announcer, W. W. Watkins. Slogan, "The City of Opportunity." Thurs, 7 pm. Sun, 11 am, church. Central.

KFSD, San Diego, Calif. 245.8m-1220kc. 500 watts. Airian Radio Corp.

KFVY, Albuquerque, N. M. 249.9m-1200kc. 10 watts. Radio Supply Co. Announcer, J. F. Walsh. Slogan, "Center of the Sunshine State." Daily ex Sun, 5:30-6:30 pm, dinner concert; baseball. Tues, Fri. 8-9:30 pm, dance music. Mountain.

KFWA, Ogden, Utah. 260.7m-1150kc. 500 watts. Browning Brothers Co. Announcer, James P. Taylor. Slogan, "Keeping Freinds with All." Daily ex Sun, 4-5 pm; 5-6. Mon, Fri, 9-10 pm; 10-11. Wed, Sat, 9-11 pm. Mountain.

KFWB, Hollywood, Calif. 252m-1190kc. 500 watts. Warner Brothers.

KFWC, San Bernardino, Calif. 211.1m-1420kc. 50 watts. L. E. Wall.

KFWF, St. Louis, Mo. 214.2m-1400kc. 250 watts. St. Louis Truth Center. Slogan, "The Voice of Truth." Announcer, Rev. Charles H. Hartmann. Tues, 7 pm. Thurs, 10:15 am; 12n; 7:45 pm. Sun, 10:45 am; 7:45 pm. Central.

KFWH, Chico, Calif. 254.1m-1180kc. 100 watts. F. Wellington Morse, Jr. Slogan, "Kind Friends We're Here." Daily ex Sun, 10:30-11:30 am, 6:15-6:30 pm, news, music. Mon, Wed, Fri, 8-10 pm, 12-1:30 am; Sun, 9:30 am. Pacific.

KFWI, South San Francisco, Calif. 225.4m-1330kc. 500 watts. Radio Entertainments, Inc. Mon, Wed, Thurs, Fri, 1-2 pm. Mon, Wed, Fri, 8-9 pm. Mon, 9-12 pm. Wed, Fri, 9-1 am. Thurs, 10-12 midnight. Sat, 1:30-3 am. Sun, 10 am, 1-2 pm, 8-12 midnight. Pacific.

KFWM, Oakland, Calif. 206.8m-1450kc. 500 watts. Oakland Educational Society.

KFWO, Avalon, Calif. 211.1m-1420kc. 250 watts. Major Lawrence Mott-Signal Corp. Slogan, "Katalina for Wonderful Outings." Daily, 12:30-1:30pm, 7:30-9. Tues, Fri, Sun, 5-6 pm. Pacific.

KFWU, Pineville, La. 238m-1260kc. 100 watts. Louisiana, La.

KFWV, Portland, Ore. 212.6m-1410kc. 50 watts. Wilbur Jerman. Daily ex Sun, 10-11 am; 3-4 pm; 4-12. Sun, 11-2 pm; 4-5; 6-7. Pacific.

KFXB, Big Bear Lake, Calif. 202.6m-1480kc. 500 watts. Bertram O. Heller. Slogan, "Rim of World Station." Daily ex Sun, 5 pm. 8, news, weather, road reports. Pacific.

KSMR, Santa Maria, Calif. 209.7m-1430kc. 100 watts. Santa Maria Valley Railroad Company. Mon, Wed, Fri, 6:30 am. Tues, Thurs, Sat, 6:30 am, 8, 8:30, 8:45. Tues, Thurs, 7 pm, 7:30. Pacific.

KFXD, Logan, Utah. 205.4m-1460kc. 10 watts. Service Radio Co.

KFXF, Colorado Springs, Colo. 249.9m-1200kc. 500 watts. Pikes Peak Broadcasting Company. Announcer, W. D. Pyle. Slogan, "The Pikes Peak Station." Daily ex Sun, Wed, 4:30 pm. Mon, Tues, 8:30-10:30 pm. Thurs, Fri, Sat, 9-11 pm. Mountain.

KFXH, El Paso, Texas. 241.8m-1240kc. 50 watts. Bledsoe Radio Company. Announcer, Chuck Swann. Slogan, "The Voice of the Rio Grande." Mon, Wed, Fri, 8-10 pm. Mountain.

KFXJ, Colorado. 215.7m-1390kc. 10 watts. Mountain States Radio Distributors, Inc. (Portable.)

KFXR, Oklahoma City, Okla. 214.2m-1400kc. 15 watts. Classen Film Finishing Company.

KFXY, Flagstaff, Ariz. 205.4m-1460kc. 50 watts. Mary M. Costigan.

KFYF, Oxnard, Calif. 205.4m-1460kc. 10 watts. Carl's Radio Den. Announcer, Carl Newcomb. Slogan, "The Radio Voice from the Radio Den." Daily ex Sun, 5-6 pm, weather, crops, news, music. Pacific.

KFYJ, Houston, Texas. 238m-1260kc. 10 watts. Houston Chronicle Pub. Co.

KFYO, Texarkana, Tex. 209.7m-1440kc. Buchanan-Vaughan Co. Central.

KFYR, Bismarck, N. D. 247.8m-1210kc. 10 watts. Hoskins-Meyer, Inc.

KGO, Oakland, Calif. 361.2m-830kc. 1,000 watts. Gen. Elec. Co. Announcer, Howard I. Milholland. Daily ex Sun, 7:15-7:45, 8:15 am, exercises; 8:30, daily strength; 11:30 am, luncheon concert. Daily ex Sat, Sun, 1:30 pm; Sat, 12:30 pm, markets, weather. Mon, Wed, Fri, 3 pm, music. Daily ex Sun, Mon, 4-5:30 pm, concert orchestra. Mon, Tues, Wed, Fri, 6-7 pm, music. Mon, Tues, Thurs, Sat, 8-10 pm, lectures, music. Tues, Thurs, Sat, 8-12. Mon, 5:30-6 pm, Childen's half hour. Mon, Tues, Wed, Thurs, Fri, 6:55 pm, stocks, markets, weather, news. Thurs, 5:30-6:30 pm, boys' hour. Fri, 5-5:30 pm, girl's half hour. Sun, 11-12 m, 8 pm, church services; 3:30-5 pm, Little Symphony orchestra. Pacific.

KGTT, San Francisco, Calif. 206.8m-1450kc. 50 watts. Glad Tidings Temple. Wed, Thurs, 2:30-3:30 pm. Tues, Wed, Fri, 8-10 pm. Sun, 2:30-3 pm; 3-5, 8-10. Pacific.

KGU, Honolulu, Hawaii. 270.1m-1110kc. 500 watts. Marion A. Mulrony, The Honolulu Advertiser. Announcer, Raymond A. Tilford. Daily, 7:30-9 pm. Tues, Thurs, Sat, special program. Sun, 11 am; 7:30 pm. 150 meridian. 2½ hours earlier than Pacific.

KGW, Portland, Ore. 491.5m-610kc. 1000 watts. Portland Morning Oregonian. Announcer, Dick Haller. Slogan, "KGW, Keep Growing Wiser." Mon, Wed, Fri, 9:45-11:30 am. Tues, Thurs, Sat, 10-11:30 am. Mon, Wed, Fri, 7:15-7:30 am, exercises. Daily ex Sun, 12:30-1:30 pm. Daily ex Sat, Sun, 7:30-7:45 pm; 8-12. Fri, 10:30-12, Hoot Owls. Sat, 10-12 mid. Sun, 10:30-12 noon, 7:30-10 pm. Pacific.

KGY, Lacey, Wash. 245.8m-1220kc. 50 watts. St. Martins College. Announcer, Sebastian Ruth. Slogan, "Out Where the Cedars Meet the Sea." Sun, Tues, Thurs, 8:30-9:30 pm. Pacific.

KHJ, Los Angeles, Calif. 405.2m-740kc. 500 watts. Los Angeles Times. Announcer, John S. Daggett. Slogan, "Kindness, Happiness, Joy." Daily ex Sun, Mon, 7 am, 7:30, 12 m, 1:30 pm, 2:30, 3:30, 5:30, 11. Mon, 7-7:30 am, 12-1:30 pm. Sun, 10-12:30 pm, 6-7:30, 8-11. Pacific.

KHQ, Spokane, Wash. 394.5m-760kc. 1000 watts. Louis Wasmer, Inc. Announcer, C. P. Underwood. Slogan, "In the Friendly City." Daily ex Sun, 12:30 pm, weather, stocks. Mon, Tues, 2-3 pm, 7-9. Tues, 9-10. Thurs, Fri, 2-3 pm; 8-10. Sat, 2-3 pm; 9-10. Sun, 11 am; 7-8:30 pm. Every other Mon, 11-12 mid. Pacific.

KIAF, Sihtepoc, Minn. 422.3m-710kc. 500 watts. Steele Co. Slogan, "Far from the Maddening Crowd." Mon, Wed, Fri, 7-8 pm. Sun, 2-3 pm. Central.

KJBS, San Francisco, Calif. 220.4m-1360kc. 5 watts. Julius Brunton & Sons Co. Announcer, Edward Ludes. Daily ex Sun, 9-10:40 am; 2-2:30 pm. Mon, Wed, 8-10 pm. Fri, 8-11:30 pm. "Royal Order of Smoked Herring." Pacific.

KJR, Seattle, Wash. 384.4m-780kc. 1,000 watts. Northwest Radio Service Co. Announcer, H. C. Gordon. Slogan, "Radio Headquarters." Daily ex Sun, 11:30-12 n, 12 n, time; 5:40-6, 6, time; 6-6:30; 6:50-7; 8:30-10, 10. Daily ex Sun, Sat, 7-8:30. Sun, 11-12:30 pm; 7:15-7:30; 7:30-9; 9-10:30. Pacific.

KLDS, Independence, Mo. 440.9m-680kc. 1,000 watts. Reorganized Church of Jesus Christ of Latter Day Saints. Announcer, Arthur B. Church. Daily ex Sat, Sun, 12:15 pm; 2:30. Tues, Fri, 6:30 am. Tues, 6:30 am, 8 pm, 11:59. Thurs, 8 pm. Fri, 6:30 am. Sat, 8 pm. Sun, 11 am, 3 pm, 6:30, 9:15. Central.

KLS, Oakland, Calif. 249.9m-1200kc. 250 watts. Warner Bros. Radio Supplies. Announcer, S. Warner. Slogan, "The City of Golden Opportunity." Sun, 10-11 am. Pacific.

KLX, Oakland, Calif. 508.2m-590kc. 500 watts. Oakland Tribune. Announcer, Charles H. Gabriel, Jr. Slogan, "Where Rail and Water Meet." Mon, 6:30-7:30 pm; 8-10:30. Tues, Thurs, Sat, 3-5 pm; 7-7:30. Wed, Fri, 3-5 pm; 6:30-7:30; 8-10:30. Pacific.

KLZ, Denver, Colo. 265.3m-1130kc. 250 watts. Reynolds Radio Co. Announcer, Mrs. William D. Reynolds. Slogan, "Its a Privilege to Live in Colorado." Wed, Sat, Sun, 9 pm. Mountain.

KMA, Shenandoah, Iowa. 252m-1190kc. 500 watts. May Seed & Nursery Co. Daily ex Sun, 11:30-12:30 pm, 6-7, 9-11. Sun, 4-6 pm. Central.

KMJ, Fresno, Calif. 234.2m-1280kc. 50 watts. Fresno Bee. Mon, Wed, Fri, 7:15-9:15 pm. Pacific.

KMMJ, Clay Center, Nebr. 228.9m-1310kc. 1,000 watts. M. M. Johnson Co. Daily ex Sun, Wed, 1:30 pm; 7:30. Central.

KMO, Tacoma, Wash. 249.9m-1200kc. 100 watts. Association Station. (Love Electric Co.) Mon, Wed, Fri, 6-7 pm, popular program; 9-10, artist's program. Pacific.

KMOX, St. Louis, Mo. 280.2m-1070kc. The Voice of St. Louis. Announcer, George Junkin. Daily ex Sun. Thurs, 9:40 am, markets; 12:30 pm, organ; 3, 4, 6-11:30, music. Thurs, 9:40 am, 12:30 pm, 3, 4. Sun, 9 pm. Central.

(Note The second part of the station data list will appear next issue.)

CHALLENGE!

ONE DOLLAR will be paid to the Radio fan submitting the most errors in any one station's listing in this directory. Letters must reach Radio Digest office not later than one week from date of issue corrected. Readers are not limited to correcting one station, but such corrections must be certified by the stations themselves, and NOT by comparison to other so-called accurate broadcasting directors and lists. Readers also must live in same state or province as stations corrected are located. Station verifications must accompany corrections.

That's just how sure Radio Digest is that this broadcasting station directory is correct! To make the challenge fair for everyone, broadcasting stations and their employes are barred from this offer. Why? Because the broadcasters are the source of all the data given herein. They are (or should be) interested enough to answer the inquiry sent them every time data on their station appears. This inquiry contains a proof of their last listing and must either be corrected or O K'd as correct and returned to the Digest. Nevertheless, sometimes the stations are careless and mistakes are made. But Radio Digest is so sure of the exactness of this directory that this challenge is made unconditionally.

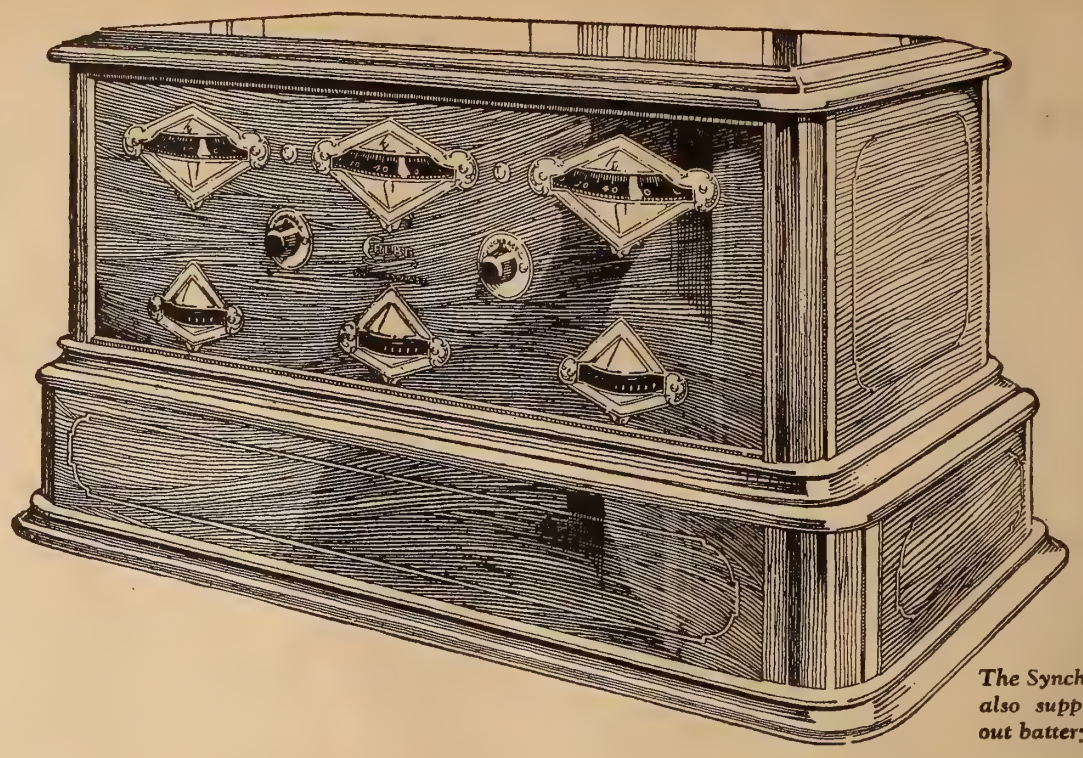
With reference to the directory: It appears in six parts, serially continuously; the first four parts are station data listings, arranged alphabetically; the fifth part is a state, city index of stations; the sixth part is a wave length index. The information contained in each station data listing is given in the following order: Call letters, city, state, wave length used, watts antenna input, owner's name, announcer's name, slogan used if any, name of listener in "club," schedule of operating hours, and kind of time used, as "Central," "Mountain," etc.

Six successive issues of Radio Digest will give one the most complete and accurate list of broadcasting stations obtainable. This service is original with this publication, and has been maintained from the start. Right of reproduction without permission of any or all of the data contained herein is denied.

"Where there is much merit there is great reward."

The merit of the Synchrophase has long been proven.

Doctor Why



The Synchrophase is also supplied without battery base.

The Practical Value of Superior Construction

OUT of the thousands of Grebe Synchrophase receivers sold during the past fall and winter, exactly seventy-three were returned to us for replacement or adjustment.

Isn't that about as near to 100 per cent perfection as human frailty can come?

The Synchrophase is built to give full satisfaction to its owner; its record shows that it does.

Ask your dealer to demonstrate the many exclusive Grebe features that, added to its sound construction, bring complete radio satisfaction

A. H. Grebe & Company, Inc., 109 West 57th Street, New York

Factory: Richmond Hill, New York

Western Branch: 443 So. San Pedro Street, Los Angeles, Cal.

The GREBE SYNCHROPHASE

TRADE MARK REG. U.S. PAT. OFF.

This Company owns and operates stations WAHG and WBOQ; also low-wave rebroadcasting stations, Mobile WGMU and Marine WRMU.

GREBE RADIO

TRADE MARK
REG. U.S. PAT. OFF.

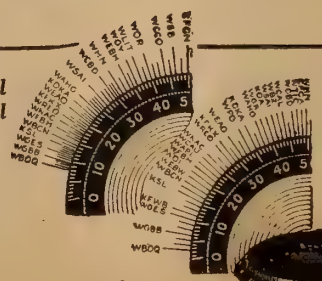
All Grebe apparatus is covered by patents granted and pending

Grebe "Colortone"

Grebe Binocular Coils Reg. U. S. Pat. Off. *and Low-wave Extension Circuits*

Flexible Unit Control

Usual Dial



Grebe Dial

Grebe S-L-F Condensers

Buried Antenna Improves Reception

Radio Digest

TWICE A MONTH

PROGRAMS Illustrated

FIFTEEN CENTS

SECOND MAY NUMBER, 1926 ... U. S. & Canada ... Vol XVII No. 5

Hugh Fullerton's Romance, "Big Rabbit"; KFJF, American Legion's First Radio Post; Mrs. Polyblank's Heroism; Stories of WMCA and WAFD; Spring Cleaning Your Outfit

No. 7 OFFICIAL BALLOT

Announcers' Contest

RADIO DIGEST THIRD ANNUAL GOLD CUP AWARD

GOLD CUP AWARD Editor, Radio Digest,
510 North Dearborn Street, Chicago, Ill.

Please credit this ballot to:

.....of Station.....
(Announcer's Name) (Call Letters)

Signed.....

Address.....

City..... State.....

5-15-26

FIVE NEW FACES IN TOP 16 OF CUP RACE

BARNES, JOHNEN, BROKENSHIRE AND MAY IN LEAD

New Candidates Bring Total to 179—Standing with Votes to Appear Next Issue

Life for the average citizen is a series of ups and downs, and Radio announcers are no exception. Looking over the top sixteen candidates in the 1926 Gold Cup Award race, the Gold Cup editor notices that there are five who have had their ups and the same number who have experienced downs, since last issue.

Arranged in four groups of four, so that the actual vote won't prejudice your opinion before you are convinced which man is your favorite, the sixteen leaders this issue are:

First group: Pat Barnes, WHT; Norman Brokenshire, WJZ; Louis John Johnen, WLW; Earl E. May, KMA.

Second group: Henry Field, KFNF; Gayle Grubb or Gloomy Gus, KFAB; The Hired Hand, WBAP; Harold Isbell, KNX.

Third group: Robert W. Griffin, WHO; William (Bill) G. Hay, WGN; Peter MacArthur, WOC; Clyde A. Randall, WSMB.

Fourth group: G. C. Arnoux, KTHS; Phillips Carlin, WEAF; Sen Kaney, KYW; Jerry Sullivan, WQJ.

But It Doesn't Mean Anything

There they are, but it doesn't mean anything, for it is a long time before the contest closes and the winners are proclaimed. New faces in the top sixteen this issue are Gayle Grubb, Harold Isbell, Bill Hay, Peter MacArthur and Sen Kaney. Old faces disappeared below the top sixteen level since last issue are Milton Cross, Lambdin Kay, E. L. Tyson, Edward B. Husing and Leslie Joy. Are any of the latter men your favorites? Better save your votes for them because they need them.

Of course the preliminary standings do not indicate the real truth because dyed-in-the-wool listeners are saving their ballots from every issue until they get a COMPLETE set to cast for their favorites. The bonus vote of fifty is obtained by saving the ballots this way, and it means a lot of help to whatever candidate is the recipient.

Only 179 Want Prizes

The record has been broken so far as the number of candidates entered is concerned. Added to the 140 names already announced, there have been thirty-nine nominations made since last issue. The new entrees are:

Anderson, Henry, KSO.
Baker, Norman, KTNT
Cartier, Jacques, CKAC
Cisler, Stephen A., WDGY
Clarke, Ralph K., KOA
Coe, R. L., KSD
Craig, Bob, KFAB
Criley, Frank H., KLDS
Faassen, Joe, KSO
Fay, William, WGY
Finke, Harold, WGBT
Fricker, H. A., CKCL
Hardy, C., WGR
Hayes, C. H., KSL
Hernandez, Remberto O., PWX
Hurd, Robert, KFI
J. C. R., KOA
Legrow, Archie, WCSH
M Fee, John, WFBM
Marshall, M. A., KFLZ
Phillips, H. H., KWWG
Pierson, Wm. T., WCAP
Richards, Dudley D., WLS.
Richardson, Harry, KFJF
Rigg, M. A., Jr., WGR
Rose, William, CKCO
Sadler, Harry D., WLS
Simmons, Pate, KFNF
Spink, George, WLSI
Sweet, Wm. M., WRC
Swift, Gale, KYW
Talbot, Freeman, H., KOA
Thomas, Lloyd, KFKX
Tracy, F. N., WHN
Uncle Bob, WHEC
Uncle Wip, WIP
Waugh, Harry, WIAS
Wick, Bert, KDLR
Wynkoop, John, WCAU

And now for a surprise! Be sure you read the next issue of Radio Digest, out June 1, for it will contain the first standing of the leaders with actual numbers of votes received. The standing of the Canadian announcers, who are eligible for a special silver loving cup, will also be given.

Don't miss a single ballot, for when these are turned in to Radio Digest in a group of consecutive numbers, extra bonus votes are allowed the candidate voted for.

The ballots, top of this page, numbered consecutively, will appear in each issue of the Radio Digest until the close of the contest.

Each of these ballots will count for one vote when sent in separately. You can hold these ballots until you have four that are consecutively numbered and when they are sent in, a bonus of eight votes will be granted.

The larger the number of consecutive ballots submitted, the greater is the bonus allowed. Eight consecutive ballots receive a bonus of twenty votes. Twelve consecutive ballots receive a bonus of thirty votes, or a total of forty-two votes. And for a complete series of ballots, including one from each issue from March 27 to September 1, a bonus of fifty votes will be allowed.

COLLEEN MOORE IS PRETTY COVER GIRL

AND did you ever go tuning in the California stations when all of a sudden you came to KFI and the roguish voice of that bit of a lass we see so often in the pictures, Colleen Moore?

Then, 'twill be pleased you are to be looking at the Radio Digest cover this issue for there is the smiling face of her just as she stands babbling with her friend Mike in the KFI studio, the picture being taken especially by the movie photographer for the Radio Digest readers.

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Radio Digest, Illustrated, Volume XVII, Number 5, published Chicago, Illinois, May 15, 1926. Published semi-monthly on the first and fifteenth of each month by Radio Digest Publishing Co. (Incorporated), 510 N. Dearborn Street, Chicago, Illinois. Subscription rates yearly, Three Dollars; Foreign Postage One Dollar additional; single copies Fifteen Cents. Entered as second class matter at the post office at Chicago, Illinois, under the Act of March 3, 1879. Title Reg. U. S. Patent Office and Dominion of Canada. Copyright 1926 by Radio Digest Publishing Co. All rights reserved.

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Looking Ahead

Beauty and Romance in a City That Still Lives Its Traditions and presents the charm and quaintness of half a century ago is the story of Montreal. It is called "The Little France of America," for eighty per cent of its population is French. Jacques Cartier, director and announcer for CKAC, is the nucleus of an interesting story in our next Radio Digest.

Californians Report Quite Regularly Hearing Voices from the Land of the Mikado, wafting over the vast ether expanse that domes the Pacific, and there have been numerous inquiries as to Radio broadcasting in Japan. There will be a feature with pictures on this subject in our next issue.

After reading developments in Following the Trail of Hugh Fullerton's Big Rabbit in this issue you will naturally expect a clash in our next installment. The chances are you will not be disappointed, but we can't give away the secrets here. This is Fullerton at his best.

Without Assuming the Feverish Rush of a Real Estate Boom, Oregon has, however, enjoyed an exceedingly rapid and wholesome growth during the past few years due to its temperate, equable climate, industry and agricultural attractions. The State Agricultural college at Corvallis has been a leading factor and its voice is Radio Station KOAC. See Radio Digest of June 1.

Lightning Arresters as Used with Radio Receivers Are Not Ornaments. Neither will any old A or B battery give you value received. Next issue's "Spring Cleaning" article tells the whole story.

Going Camping?—Then Build the "S.O.S." portable. Complete details covering the construction of a flyweight portable "super" will begin in the June 1 issue. Reserve your copy.

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SHORT WAVES

By Marcella

Here's a cute note I received from the Silver Masked Tenor:

"Dear Marcella: A few weeks ago my good wife called my attention to your little article saying that our little daughter Rosemary was a boy. Rosemary, who by the way is eleven months old, felt rather hurt that you should call her a boy, and wants you to know that she is a GIRL. So I told her I would write you all about it. Sincere good wishes to you from, 'Mr. and Mrs. Silver Masked Tenor' and Rosemary."

* *

I've a confession to make. I know, and have known for a long time where Gene Rouse was announcing. Yes, he is announcing, but he won't let me tell you where. At least a score of you have guessed correctly. The rest of you will have to guess for yourselves, that is, unless Gene lets me tell. No Harriet, I am not Gene Rouse, nor his wife. And another secret I know is who Sam 'n' Henry really are. You'll have to guess that, too.

* *

Who thought Ralph Shugart, of WJJD, was married? That's out, as the umpire says. Jack Nelson, WJJD's genial and married director, however, may have an announcement to make ere long. And he intimates it won't be about Radio. No, he is not divorced and his wife hasn't made plans to get rid of him, to my knowledge. Yes, Patsy Joyce, both boys are very good looking.

* *

Jack Little is usually where you don't expect to find him. He's hard to locate, but when we do know, you'll find his name in the list of "headliners today" in the advance programs. That also holds for the Ray-O-Vac twins and Lew Ferris. The Ray-O-Vac twins were at WBZ, New England, the week of April 24, but that's 'way back.

* *

Boys, here's a tip. Tune in Miss Lorraine Allen at KUOA, University of Arkansas, some night. Then go back to page 3 of the April 17 issue of Radio Digest and look at her. She is a darling and the first coed to be president of the senior class at the university. Better hurry up for she will be graduted soon and some one else may get her. When to listen? Any Thursday night at 8:45 o'clock Central time. The title, "Queen of the Ivories," fits her to a tee.

* *

Now about Harry Bloom, who sings over WTAM from the Golden Pheasant, and Phil Julius, who does the same thing over the same station with the Royal Canadians. Harry is unmarried—yet—and very eligible. Stands 5 feet 10 inches, weighs 165 pounds, is 29 years old, has black hair and beautiful brown eyes. His hobbies, he tells me, are "books and women." Which do you prefer, Mr. Bloom? Answer: "Women, because they're harder to read through than books." Amen. Harry is Beau Brummel of Cleveland music publishers' representatives. Works for Remick. Heard also from Music Box restaurant.

Phil Julius is an inch shorter than Harry, a year younger, and three pounds lighter. Rest of physical description the same. His hair is curley, he is unmarried, and his hobbies are (1) baseball, (2) prize fighting, (3) cabareting, (4) fast ponies. Is an exclusive artist at the Music Box restaurant and sings for Mr. Mackay-Berlin.

* *

"Oh, Marcella. Is it really necessary for you to tell about me?" Yes, Louis John Johnen, of WLW, it is. So many girls have written to me and I simply MUST tell them you are single—in fact, the only eligible announcer in Cincinnati. Yes, girls, Louis is also a very good singer and has a number of operatic roles in his repertoire. He sang with the famous Cincinnati Zoo Opera company a few years ago and is going to participate in the operas this year, in addition to his duties as program director of the Crosley superpower station. Louis is of the intelligencia class. In fact, he likes nothing better than to discuss the classics and reads excerpts for his audience when not occupied as interlocutor in the famous Burnt Corker minstrels, which he started as a novelty for the air audience. He is a Phi Beta Kappa man; graduate of the University of Cincinnati and Conservatory of Music; can drive an automobile safely with one hand, etc. He registers 170 pounds on the scales of the Y. M. C. A. where he takes his daily exercises. His occulist says he has brown eyes while his tailor claims he is 5 feet 9 inches tall. His barber insists he has light brown hair. Louis is really a chemist but specializes in the analysis of the feminine heart.

* *

No, Mrs. S. J. F., Eddie Cavannaugh and his wife, Fanny, the "Gaelic Twins," are not at WFAA. They may be heard

(Continued on page 14)

THOUSANDS END MYSTERY STORY

STAGE HANDS' UNION EYES BROADCASTERS

WOULD HAVE STUDIOS HIRE SILENT SCENE SHIFTER

Omaha Union Manager Thinks Maybe Skilled Labor Needed to Move "Mike" or Chairs

By W. O. Wiseman

OMAHA, Nebr.—A move to put a silent scenery shifter in every broadcasting studio in the country has been launched by the Omaha local, International Association of Theater employes, led by H. H. Bushey, business manager of local stage hands.

Radio is making big inroads on theater employment, Mr. Bushey claims. It is only fair, he reasons, that the work done in connection with staging of Radio entertainments in studios should therefore be allotted to the stage hands' union.

"They put on plays and all such things at Radio studios," said Mr. Bushey. "I don't know what scenery is used in connection with these, but included in our union are many different kinds of stage mechanics and undoubtedly some of the work in connection with these stagings could be done by skilled stage hands."

Bushey Will Fight for Principle

The local union has passed a resolution directing Mr. Bushey to present the matter at the international convention of the I. A. T. E. in Cleveland in June. Mr. Bushey says he will go to Cleveland prepared to fight for the principle advocated by the Omaha local that Radio studios are places of amusement and must employ union stage hands.

"If the national association adopts this rule, we will ask talent to refuse to broadcast unless union stage hands are employed in conection with the studios," Bushey explained.

Orson Stiles, director of WOAW, the Woodmen of the World station here, said he thought the move a "huge joke." "We can move our own chairs in the studio," he added.

Frank Taylor in charge of WAAW, when told of the move said, "We have an announcer and an operator in our studios. A third employe would be in the way."

THREE PLANTS TO PUT DERBY ON AIR

Famous Kentucky Horse Race Classic Goes over WGN, WHAS and WEBH

CHICAGO.—Two leading Chicago stations WEBH and WGN, and the broadcaster of the Louisville Courier-Journal at Louisville, WHAS, will give followers of the turf detailed word pictures of all that takes place at Churchill Downs on Derby Day, May 15.

This is the second year WHAS and WGN have essayed the presentment of the famous classic of the "Sport of Kings." Last year both stations succeeded admirably in handling the Derby.

The broadcasting from all stations will begin on or shortly before 2 p. m. Central Standard time. All racing events, descriptions of the milling crowds, the music from two bands and a complete running story of the Derby will go on the air.

WGN, the Chicago Tribune station, also announces that it will broadcast the 500-mile automobile sweepstakes Monday, May 31, at Indianapolis Motor Speedway. This is the third year WGN has handled the Indianapolis auto races.

But There's Still 529 of 'Em to Select from

Commerce Department Warns Stations to Renew Licenses Early

WASHINGTON, D. C.—The total number of broadcasting stations on April 1 was 529, according to a recent report of the department of commerce. This is a decrease of 62 over the high water mark of May, 1923, when there were 591.

Stations which permit their licenses to expire without attempting to renew them immediately are having a hard time of it with the department of commerce. Through carelessness a number of stations fail to renew their licenses and they are automatically cancelled. In attempting to set aside the cancellation, the stations are to show that they are rendering a definite public service.

Telephone-Radio Mystery That Was Baffling Experts Found to Be Hoax

COATESVILLE, Pa.—Radio concerts picked up from distant stations over an ordinary telephone line at Brandamore, near here, which for two years had mystified telephone and Radio experts, have ended and the mystery has been cleared up by the admission of Earl Davidson, a Reading railroad telegraph operator, that the strange reception was a hoax.

Although he declined to go into details as to his methods, Davidson intimated that he had connected a concealed Radio receiving set with the telephone lines by means of a device of his own invention. He lost his job as a result of the hoax.

It was not uncommon for other employes to lift the telephone receiver to report a train and pick up a Radio program being broadcast from Atlanta, San Francisco and other distant American stations. On some occasions foreign stations, including Germany, were presumably heard.

The mystery drew Radio experts to Brandamore from many parts of the country, all of whom were baffled.

Then railroad officials became suspicious of Davidson. His movements were watched closely, but nothing was revealed. Finally it was decided to suspend him and this brought the mystery to a climax.

ONLY 20 YEARS OLD AND FAMOUS

THE story of Miss Lillian Knowles, opera star, sounds like the dream of a novelist. Things were in a terrible mess over in Europe when Miss Knowles' parents decided to leave England for America. She was just a child of eight and she remembers there was a great deal of excitement aboard ship when news came over the air that war had been declared.

It simply spoiled everything for Lillian. She had been having a lovely time, the pet of the whole ship and simply idolized because of her singing concerts. A famous maestro had taken her hand and told her mother that the child was destined to fame as a great singer. Furthermore he would be glad to take her to Italy and train her remarkable talents. Then the terrible war news! Confusion—everyone running back and forth and nobody knowing whether he was coming or going. At the gang plank the maestro disappeared.

Lillian's parents journeyed on to Chicago. Determined and ambitious for her brilliant daughter the mother devoted untiring effort in seeing that she was afforded all the training that was possible. At 12 the little girl was featured as a soloist by Dr. Francish Hemmington, famous music teacher. Then came more calamity. Affairs made it necessary for her parents to move to Kalamazoo and away from her teacher. But there were kind friends in the Michigan city. Appreciating her talent and necessities the Kalamazoo Music society sent her back to Chicago for development as an artist.

Mrs. Archibald Freer, wealthy and kindly woman, then entered Lillian's life and became her sponsor. Now a young lady, she was beginning to show results for all of her struggle upward and forward. She was introduced to opera and important concerts and was acclaimed a success. During the season now at hand she will be heard regularly on the WHT programs at Chicago.

AND MOST SOLUTIONS PICK WILLIAM CARYL

MRS. H. L. LENTZ, SALINA, KANSAS, AWARDED $250

Wisconsin Boy Takes Second Prize—Public Demand Causes Several Stations to Repeat Drama

FIRST PRIZE $250

Mrs. H. L. Lentz, 212 West Jewell St., Salina, Kans.

SECOND PRIZE $100

Clinton B. DeSoto, Owen, Wisconsin

THIRD TO SEVENTEENTH PRIZES $10 EACH

Mrs. Mary M. Burns, 426 Denver St., Albany, Ore.
Mrs. Roy Moton, 1416 East 16th St., Oklahoma City, Okla.
Marie Byrne, 929 26th Ave., Seattle, Wash.
Victor Dyer, Box 1201, San Francisco, Calif.
John M. Whitehead, 846 N. Kellogg St., Galesburg, Ill.
F. A. Monroe, Milbank, S. D.
Mrs. Lela Buckley, 1142 Orville, Kansas City, Kan.
E. C. Jenkins, Minden, La.
Marvin Jackson, Macon, Mo.
Kathryne Calta, 928 Newport Ave., Chicago, Ill.
Doris Merriman, Vida, Mont.
D. M. Morrison, Hammons, Neb.
Walter F. Sellon, 1000 Crain St., Evanston, Ill.
Mrs. Louise George, 421 Harrison Ave., New Orleans, La.
Don H. Shutt, 4207 Iroquois Ave., Erie, Pa.

"And so, dear friends of the Radio audience," as the silver-voiced announcer would say in conclusion, "our great mystery play, 'A Step On the Stairs,' comes to a close."

Above is the list of the prize winners and that is the main thing many thousands of Radio Digest readers and Radio audiences all over the United States have been waiting to see.

Radio Digest has a large file section full of letters and cards from listeners and readers all over the United States who have voiced their appreciation of the story and its correlated Radio drama. It can be estimated conservatively that not less than 5,000,000 persons in this country and beyond its immediate boundaries followed the ghostly quest of Uncle Peleg and the strange assembly of guests at that midnight seance in the old Turner manse on Pelican Bay.

Applause Letters Land Project

Robert J. Casey, the author who created the story at the special solicitation of Radio Digest, and Fred Smith who converted it to dramatic form are both to be congratulated and have been by these same letter writers.

The broadcasting stations and Radio Digest are pleased to have worked out this experiment so successfully together. The plan looked promising but it was a new idea. It had a long period to run. Suppose it didn't take? Then came the first installment in print, followed by the first episode on the air. No letters ever came to Radio Digest or into the stations that created a deeper interest than those first letters. Editors and artists gathered around, each individual reading and rereading every scrap of the mail.

"Here's a wow!" would come a shout as some particularly good letter was opened. It would be read aloud. Applause in a theater is easy, but a letter means effort and sincere interest and that is why every letter always is appreciated.

Stations Repeat Drama in Entirety

The second week found the applause letters even greater and more enthusiastic. The stations would send their letters to Radio Digest to read and Radio Digest would send its letters to the stations. Each week found the interest in the story and the innovation of turned-down lights and mystic effects more pronounced, and within the last two weeks there have been requests to broadcast the whole series in one evening's performance.

Several stations are considering this plan, especially as the only complaint received has been that the episodes were too short on the air. The first stations to present the complete play in one evening were WNAC of Boston and WEAN of Providence, both of the Shepard Stores, which presented all ten episodes the night of May 12. Then the General Electric Company station, KGO, at Oakland, California, will present all ten episodes on the evening of May 20 and the General Elec-

(Continued on page 29)

Splash! Over Went the Baby!

Sir Henry W. Thornton, (above), President Canadian National Railways, makes presentation speech in Ottawa by Radio while another pins medal on Mrs. Polyblank at O'Brien.

AND Plop! Over Went Mrs. Polyblank Right After Her! True Bedtime Story of Canadian Mother's Struggle in Icy Water to Save Child. Sir Henry Presents Medal by Radio.

By HAROLD P. BROWN

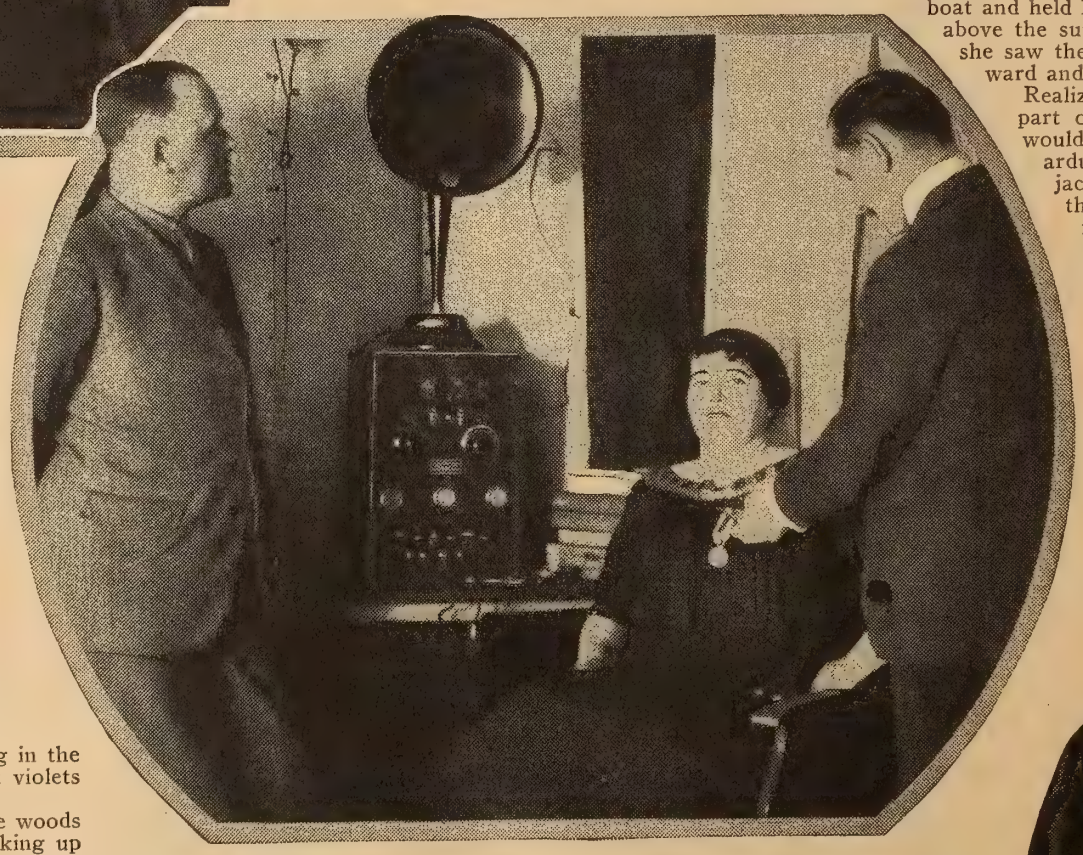
WHILE mother is turning down the covers (if you DO sleep with covers these days as they do in Quebec) and before you start stripping for bed you shall hear the true story of the little girl who tumbled into the lake and how Mrs. Polyblank got her medal.

Even in the summer time it never gets very warm in O'Brien, which is up toward the north pole in the western part of Quebec. And while the most of us are enjoying these beautiful May days I suspect the children of O'Brien are still looking for the first robin or maybe they are so far along as to be hunting in the woods over the hill for the first violets of the season.

By the way, bears live in those woods and just about now they are waking up from their long winter sleep and probably they, too, are hunting—hunting for their first square meal of the season. Let us hope that they do not meet the little girl who tumbled into the lake nor the two little children who belong to Mrs. Polyblank.

Soon Kitty Ryan—I believe that is her name, although Mr. Hanratty did not say in his letter telling me about it—will be three years old. There will be a birthday party and it will be the biggest "coming out" party O'Brien has ever known. By "coming out party" I mean something quite different than the ordinary kind, first, because the "coming out" part of it happened weeks and weeks ago, and second, because Kitty is so tiny.

SO I will tell you now about the "coming out." Kitty and her mother and Kathleen and Margaret and their mother and George and Daisy and Mrs. Polyblank were all out in a motor boat on Long Lac (another name for Long Lake), before the ice covered it all over. Mrs. Polyblank was attending to the motor, which sputtered and made a lot of noise. The two mothers were talking about the new mines that were being opened up in the neighborhood.



Above is actual scene of presentation of Mrs. Polyblank's medal. Left to right the participants are: Mr. Polyblank, civil engineer for the C. N. Ry. and husband of heroine; Sir Henry (his Radio proxy); Mrs. Polyblank in her ceremonial gown and the R. C. H. A. representative. Below are Mrs. Polyblank, the little Polyblanks and the Polyblank dog, out for exercise.

Margaret and George were pulling at each other with a piece of tie rope and Daisy and Kathleen were investigating the remnants of a lunch basket. Nobody was paying any particular attention to Baby Kitty who had clambered her way toward the front end of the boat.

Finally Mrs. Polyblank got the engine running smoothly and turned to talk to her friends. Her eye took in the four children in the pit and then she glanced forward over the engine. Her eyes popped out of her head. Motioning the others to keep still she stepped forward quickly, for Kitty had clambered up on the prow of the launch and was looking over the edge at the spray.

But just then one of the women's nerves gave way and there was a scream. Kitty looked up in surprise, lost her balance and—splash! Mrs. Polyblank caught a glimpse of a scared little face sinking under the clear icy water as they swished by.

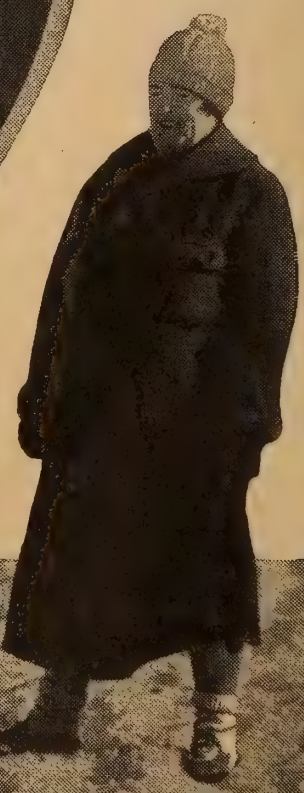
"Stop the boat!" she called, jumping over the side without the slightest hesitation.

But the other two women were utterly paralyzed with horror. They just stood in their tracks and moaned. The boat raced on with no hand on the rudder. Mrs. Polyblank swam under water with her heavy clothing pulling and dragging her down as it became soaked and water logged. But she caught the little girl who had tumbled from the boat and held her up. As she raised her head above the surface for a fresh breath of air she saw the motor boat still plunging forward and making for the shore.

Realizing that she must get rid of part of her heavy clothing or both would drown she managed slowly and arduously to remove coat, sweater jacket and heavy overskirt—at the same time keeping Kitty's frantic little form above water. A man saw her from the shore and started out with a boat. It seemed to Mrs. Polyblank he never would reach her, that she would have to give up. But she fought on and on and kept Kitty's nose up with supreme desperation.

Mrs. Polyblank would never pass for a sand crane. She is a big-hearted woman and God has fashioned her in proportion so it was no

(*Continued on page 28*)



KFJF Boasts First Radio Post

AMERICAN LEGION Establishes First Radio Post in Oklahoma City and Conducts Regular Meetings Over Air for Members Scattered Hundreds of Miles Over State. "Every-buddy" Invited to Listen to Programs.

THERE'S nothing Bolshevik about Oklahoma. When Uncle Sam found he had a big war on his hands and needed an army of hard hitting, fast shooting fighting men, he knew what to expect from Oklahoma and got it.

Oklahoma doesn't boast the largest population in the Union, but her men are one hundred per cent for the Stars and Stripes and have well developed trigger fingers not so far removed from the precision of pioneer days.

It is therefore not surprising that Oklahoma is splendidly represented in the American Legion and that she has established the first American Legion Radio Post in the United States. This post, No. 300, is located in Oklahoma City, and broadcasts every Saturday night and Sunday afternoon over Station KFJF. Its slogan is "Voice of the American Legion."

"Why don't you give us a special American Legion program?" was the plaint of numerous queries received by Dudley Shaw, general manager and director of Radio Station KFJF, nearly a year ago. He called on legionnaires for advice. A special entertainment by the local organization was arranged. It was a triumph.

"Give us another Legion program," came hundreds of letters, in response.

"WISH we could join that wide-awake bunch of soldiers at Oklahoma City," wrote men from isolated sections, the oil well camps and farm settlements. And then it was discovered that a Radio post of the Legion would be a great boon to ex-service men who found it inconvenient to attend stations established elsewhere. A charter was applied for and granted.

D. G. Rixey was elected post commander with the hearty endorsement of General Roy Hoffman, commander of Oklahoma City Post No. 35, and brigadier general in command of the 93rd division in the World War. The other officers of the Radio post are: Frank F. Tracy, first vice-commander in charge of music division; Jim Hatcher, second vice-commander in charge of speakers' division; Forest Parrott, third vice-commander in charge of communications division; Paul Haskett, M. D., fourth vice-commander in charge of service division; Wayne Vargason, fifth vice-commander, entertainment division; Tom Lowry, sixth vice-commander, athletic division; George Baker, seventh vice-commander, Americanization division; Mike Peshek, Jr., post adjutant; J. N. Brown, finance officer; C. R. Mooney, sergeant-at-arms; Isaac E. Kelso, post chaplain; Dick Lowry, M. D., post historian; Robert C. Graham, "Sergeant Bob," post program announcer, and George H. Gabus, Radiotrician.

"Any man or woman eligible to join the American Legion," said Vice-Commander F. F. Tracy, "who lives in a community where there is no Legion post can join our outfit. We also have associate memberships in our Radio post for members already belonging to the American Legion."

EVERY Saturday night at the hour of 12, American Legion Radio Post 300, is called to order by the presiding officer, generally represented by "Sergt. Bob" Graham, official announcer.

The usual formalities are complied with. Scattered out over the area hundreds of miles apart the members in the oil camps, the farming communities, the hospitals, small towns and wherever ex-service men may be found the members are tuned in, take part in the meeting and the entertainment. There is nothing secret about it and its meeting is open for all outsiders who choose to listen.

"And if the gentleman at Pawhuska will desist from heckling the comrade at Checotah, we will now have a report from the commander of the entertainment division. I asked the comrade at Pawhuska—and, while I'm on my feet, I'd be pleased if Comrade Hornbeck at Shawnee will remove his feet from the table and stop snoring before I send the sergeant-at- (*Continued on page 28*)

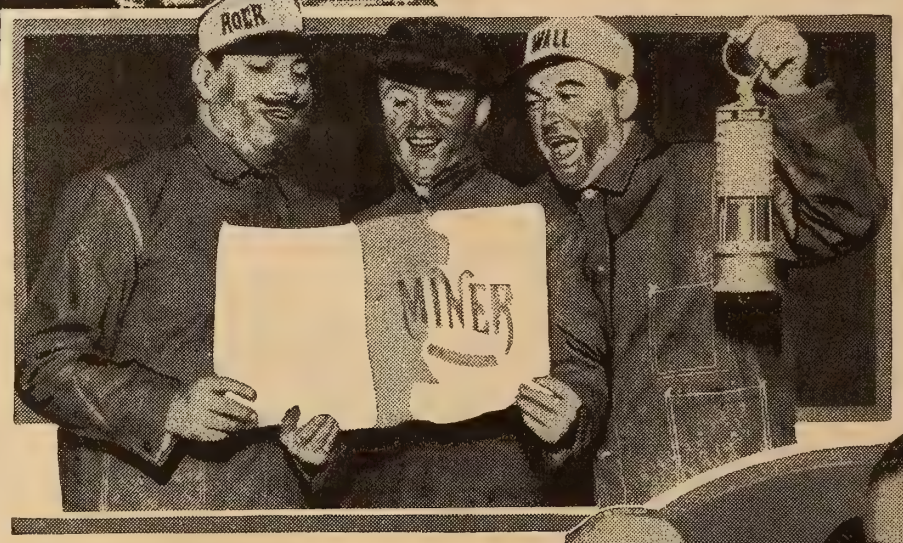
"Less argument between Comrade O'Hara at Pawhuska and Private Grady at Checotah," says "Sergt. Bob" Graham (right) at microphone addressing members of Legion Radio post scattered hundreds of miles apart.

Sometimes "Sergt. Bob" is busy as legislator at state capitol and his place at mike is taken by Announcer Harry Richardson (above). Below is Dudley Shaw, manager at KFJF and at left are Mr. and Mrs. S. E. Ramseyer.

"Pep! A little more pep in that last line, boys," calls Mr. R. M. Shaw (above) director. Art Fowler (below) and his uke have singing acquaintance with all listeners of KFJF.

"Clothes Make WMCA Mike"

TED NELSON Finds Heart and Soul Beneath Tin Ear and Dolls Radio Interlocutor in Proper Raiment. May Solve Important Problem for Theatrical Broadcasters.



Just a wee bit o' Scotch between the Radio Franks and their friend, Mike, at WMCA, (above). At right is original trio of Radio Franks—Bessenger, White and Wright—where Mike played a minor role.

By MARSHAL TAYLOR

TIN EARED MIKE has been the dismay of the profession ever since broadcasting became an art—and let no man dare say it is not an art. He has been accused of a metalic coldness totally incompatible with the inspiration demanded by stage celebrities who have sought his acquaintance. He stands unbending, undraped, disinterested in the velvet-swathed inner-inner sanctum of the studios. He is the hol(e)y of holies before whom the great and meek bow and offer living sacrifices and yet, like a graven image, his aureole of cavernous ears emits no expression, no sign of approval or disapproval.

Sweating and trembling, a certain Broadway celebrity stepped out of the WMCA studio into the reception room at the Hotel McAlpin the other day. He seemed utterly distraught. He stammered and appeared at a loss to gather his wits together to relate what was on his mind.

"I'm ruined, ruined!" he finally wailed. "I got all tangled up and the more I tried to get untangled the more of a mess I made of it. That perforated alarm clock on a crutch simply got my goat. Probably one million four hundred eight and a half people in the United States think I'm a blathering idiot after listening to my gibberish attempt at broadcasting."

"Don't worry," smiled Ted Nelson in a soothing way. "They probably think you were putting it on—if you really feel so upset about it. Al Herman will do a little of his blackface stuff and everything you said that didn't register will be forgotten."

But that night Ted lay awake thinking about the matter. The "perforated alarm clock" with a crutch hobbled up and down over his prostrate frame. The thing at least should have been decent enough to wear a pair of pajamas. Pajamas!

Ah-ha! The big idea!

"Pajamas? Certainly, why not?"

So it turned out that the only trouble with Tin Eared Mike at WMAC had been that folks failed to appreciate his personality. They had only regarded him as a piece of tin, whereas he had a living soul and, not merely one heart, but thousands of them, all responsive and susceptible to every human emotion.

"THE best way to get along with Mike," said Ted next day as he returned to the studio with an armful of parcels, "is to treat him like a pal. Forget about the Big Tin Ear. Be chummy and have some regard for his feelings. Get the idea that he has eyes and mouth and body, wears his own clothes and has sentiment just like anyone else. Harry, will you be kind enough to close the door and give us—Mike and me—a little privacy for a few minutes? And please watch out that none of the ladies enter until I give the word."

It was about fifteen minutes before the door opened again and Ted invited the others in.

"Ladies and gentlemen," he said, bowing gracefully and gesturing toward a smiling figure in Scotch kilties and all that goes with them, "may I have the pleasure of presenting to you none other than our old friend, Mike, who will entertain us this evening in a little skit entitled Hither and Thither in the Heather with the celebrated Radio Franks."

"Wonderful!"

"Marvelous!"

"Hoot mon!" exclaimed one of the Radio Franks, coming into the room at that moment. "Dinna ye say the bairn's name was 'Mike'?"

"Beg pardon, Frank," smiled Ted, "perhaps it was 'Mac.'"

"Young mon," said the other Frank, turning to the newly haberdashered Mike, "Ah ha' a min' to hug ye wi' ye bonny smile an' noo we'll ken what we're aboot."

And that was as it was and as it is.

If you have listened to the Radio Franks since Mike, or "Mac," has joined them properly garbed as a playmate rather than as a graven, unsmiling image you must have noticed the difference. You felt that you were "Mac" and just another one of the Franks having the time of your life.

But Mike, with the big idea, is as versatile as any other actor. If it's Herman and his bones Mike becomes "Rastus" or "Topsy." And he does not stand like a naughty pickaninny with his face in the corner. He has roller skates and romps around playing tag with Herman in the McAlpin grill. It's amazingly direct and insinuating if you happen to be at the other end of the ether lane when they are on the air together.

Perhaps Ted Nelson has solved the problem. Who knows but life-like automatons with microphones in the shape of human heads or the heads of animals that can blink and smile and wiggle their ears may mark another period of evolution and, perhaps, in a million years or so there may be another famous trial at which the wise men of the earth will assemble and discuss the question of whether the Mike of that day has descended from Tin Eared Mike of today.

* * *

FRANK BESSENGER, who is at the left in the upper picture, was born in Owasso, Michigan, grew up there, then graduated from the Detroit Conservatory of Music and soon earned more than local fame for his captivating tenor voice.

Frank White, the other member of the duo, is a "singing Gopher." His career began in Minneapolis. Later in New York he was a member of the original Shanley trio and a leading "booster" for the Irving Berlin songs.

The two Franks met at the Berlin studios and casually tried out a song together. It was found their voices were exceptionally well matched and they teamed together.

Below is Al Herman, famous blackface comedian, getting confidential with Mike Alpin disguised as a pickaninny an' Laws Sakes! Yo' should see dat baby Charleston!

Rough Ridin' Airboys At WAFD

PORT HURON Listeners "Het Up"

When Smitty's Ether Busters Ride Untamed Electrons Without Saddles or Bridles and Mount a Bucking Bass Horn for a Race Around the Air Corral. Ironing Club Wins Mother's Heart.

BACK in school days we discovered in our geographies that the lower peninsula of Michigan is a mighty mitten with a big thumb that sticks up into the ribs of old Lake Huron. A thumb on a mitten anywhere is a particularly important digit and right where the Michigan thumb knuckle comes you find the city of Port Huron.

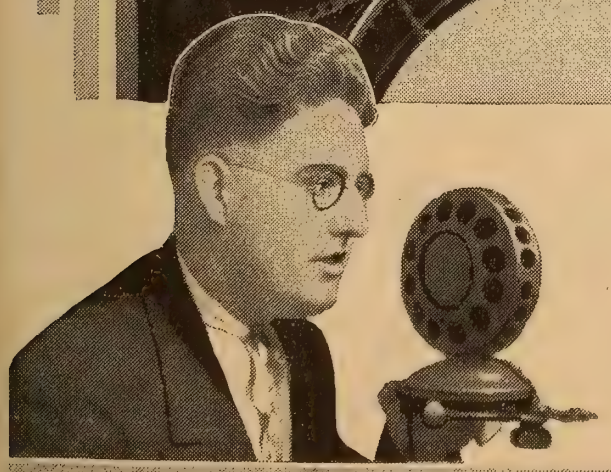
That's where the punch is and if you don't believe it tune in WAFD one of these evenings before Old Man Static get too onerous. Port Huron is a wonderful place to live when summer breezes blow, but when Jack Frost rides the wind she has to take a lot of punishment. It isn't so bad these days with WAFD throwing out a cheerful fireside glow for hundreds of miles, even across Huron into the more sparcely settled districts of Canada.

is known for his "cayenne" pep, which helps to add warmth to his share of the program.

Another chill dispensing musical unit of the WAFD station is the "Foot Warmer's" orchestra. You know how it works. You wade in through the snow and stomp it off your feet as you climb the steps. Then you stand on the door mat and kick off the rest, as much as you can. But your feet are still cold as you enter the house. Then you tune in the WAFD "Foot Warmers." Good-bye cold feet. That hot jazz-ban-jo-sax-pi-an-o-drum-bum-bum will start an agitation of the pedal extremities sure to dissolve the last atom of congealed kinks. Take the "Foot Warmer" treatment and you'll never have chilblaines, say the listeners of WAFD.

On April 3, Radio Digest published on its cover the very

A wild, unbridled cornet calms down and becomes a thing of joy when it touches the lips of the fair Selina Harbaugh (above). These are the "Foot Warmer" musicians. Their instruments start the blood circulating and toes tingling to jazz.



Mickey Russell's (above) songs and stories smooth the wrinkles from mother's brow during Ironing Club hour. Sybil Sharrard (right), with Ether Busters, rides the artist grand side-saddle or standing.

"Yes, sir, WAFD certainly does warm up the atmosphere. Take those fire blazin' Ether Busters that put on an air-rompin' rodeo every Saturday at midnight, Smitty leadin' the bunch of tootlin' cayuses burnin' up the electrons like streaks of blue lightnin'," said Zeke Jones, who lives about forty miles in from the Bay on a 160-acre farm.

"YOU don't mind the weather so much when you come in from beddin' down the stock, your nose and finger tips tinglin' from the cold," continued Zeke. "You drop a coupla big chunks o' hard maple in the old Detroit heater, tune in WAFD, sit in the rocker with your feet on the stove rail and listen. 'Whoo-oo-pee!' That's Smitty lettin' the bars down for the Ether Busters. 'Oom-pah! Oom-pah! Oopy-oopy-oom-pah!' That's the old bass horn r'arin' on his hind legs, snortin' and tryin' to throw his rider without success. You can jest see his big, brass throat bellowin' and blowin' like he was 'fraid the kittle drum was shootin' peas at his ears. All the time his front feet is pawin' the air and keepin' time with the cornet, trombone and woodwind ponies."

The Ether Busters were organized by Stanley G. Smith, known to most of the listeners as "Smitty," who announces for the Albert B. Parfet company. "Smitty" also

charming picture of Miss Eva Sharrard. The Sharrard sisters, Eva and Sybil, help to make receiving sets popular within the Port Huron area. They are regular artists on the WAFD staff and if television ever becomes a practical reality with moving picture screen over the mouths of loud speakers, Eva and Sybil stand a fair chance of receiving the lion's share of applause cards. Both are pianists with Eva taking a turn at the pipe organ when occasion demands. Sybil is one of the members of the Ether Buster outfit and takes the artist grand side-saddle, standing up and hanging from the pedals without missing a note.

These are just some of the things that seem to make the Port Huron broadcasters stand out as unique and which may account for their especially large audience of listeners.

Ever hear of the "Ironing Club?"

Very exclusive—very! It's limited almost exclusively to mothers. Yes, there are a few young men and a few young women but they belong to the general subsidiary organizations better known as "Press Clubs."

There are branches of the "Ironing Club" in every state in the Union. It's a hard club to get into but if you have plenty of pull on the Ironing Board you can get in and on and over. Kenneth McManus, better known to the WAFD listeners as "Mickey Russell," is the male conductor of the "Ironing Club" in that sector and convenes daily sessions at 10 o'clock in the morning.

While the club women who belong to the "Ironers" are guiding the hissing-hot smoothers over dad's shirt or sister's bungalow apron "Mickey" irons his way into her heart with a jolly song or a funny story. Somehow there is something in Mickey's voice that smooths the furrows out of mother's brow, the creaks of the ironing board are dimmed into silence and it all helps to buoy up the heavy iron when her arm and back are aching.

These are just some of the things that seem to make the Port Huron broadcasters stand out as unique and which may account for their especially large audience of listeners.

BIG RABBIT

by HUGH FULLERTON

"GO FIND Major Gaskill and do not come back until you do."

This was the final order of the stern little banker in one of the leading Atlanta institutions when I answered his summons and he had outlined to me such of the facts as he knew concerning the major's disappearance. The major had not only speculated with his own funds but involved resources of the bank and the inheritance of my beloved Roberta Tonneson, who lived as a ward in his pretentious home in Atlanta.

I received an advance of $1,000 expense money and hastened to the room where Dick Borton, my newspaper reporter chum, and I had taken up our temporary residence. It was understood he was to assist me in this assignment that meant more to me than any mere financial reward.

"To take up the trail where it leaves off we should start where the major was last seen in public and that was his home," counseled Dick. I agreed with him and found Roberta in a state of semi-siege. A giant negro named Trimble seemed to be in charge of the household and Roberta surreptitiously let me know that she was afraid of him. She did not know where the major had gone but promised to send me a note in case any further danger developed or she received any news.

I had hardly gotton back home and left again with Dick when Roberta's servant followed with a note. Trimble had discovered our arrangement and was to take Roberta away that very day. Dick and I located them aboard a train about to leave. They were in a private car. We tried to conceal ourselves aboard but were discovered, beaten by Trimble and later, while unconscious, dumped from the train at the outskirts of Jacksonville, Florida.

There was some satisfaction in the discovery that Major Gaskill was one of the party and Roberta was not entirely unprotected in the hands of the giant Trimble. Although physically distraught we managed again to find the trail and arranged to follow them after a night's rest up the St. Johns river.

CHAPTER VI

Borton Disappears

IT WAS after eight o'clock the following morning before either of us awoke from the sleep of utter exhaustion into which we fell almost as soon as we rolled into our beds. Then Borton crawled with stiff and aching limbs from his bed and shook me into unwelcome consciousness, grinning at his own pains and at my grimaces of agony.

"Never mind, old scout," he said consolingly, "you'll probably be sorer than that before the day is ended if you don't get busy and work the aches out. I've sent down for a pint of witch-hazel and have filled the tub with sizzling water. Take a hot bath, then I'll rub you down with the witch-hazel and, afterwards, if you feel able, you may do the same for me."

Half an hour later, the hot water and the massage having worked a miracle in reviving us from the effects of the treatment we had endured, we went to breakfast.

"I have been planning for today," said Borton, following his usual custom of assuming command and giving orders. "We will have to work fast and we'll cover more ground if we separate. You've handled motor boats and know something of machinery so you'll get the worst end of the job to start with. I'm going up the river on the Crescent which leaves in an hour. You take the Jason; that's the name of our boat. Hire a darky to help you with the boat as far as Plummer's, which is a station a short way up the river. Drop him there and hire another one to help you as far as Mandarin. Then pick up another one and cross over with him to Orange Park. Pick up a new darkey at every landing. Here is a map of the river. Stop at Switzerland, Green Cove and Federal Point and meet me at Palatka before dark. You'll have plenty of time to loaf along and listen to people."

"What's the object of changing helpers at each landing?" I asked, puzzled by the odd program he had mapped out for me.

"I'LL TELL you, but if you laugh I'll throw this toast at you and it is half an inch thick in marmalade," Borton replied seriously, lowering his voice so that the negro waiter could not overhear. "I want you to talk rabbit with every negro you hire. If you can get any of them to talk, and I doubt it, try to find out whether or not the Big Rabbit is returning or is already returned. Try to find out where he is to be found and all you can about him."

"What sort of a joke is this?" I demanded, thinking the time ill chosen for joking, although there was something in Borton's tone and manner that did not reflect a jest. "Is this a good time for me to waste a day making a fool of myself and asking idiotic questions?"

"Is the Big Rabbit here, or coming?" Borton asked without looking up. With a crash one of the finger bowls fell to the tile floor. The grin faded from the face of the negro and was replaced by a scowl of sudden suspicion. He stood shivering as if in fright . . . . and made a sign with his finger in the water spilled upon the floor.

Borton always goes by contraries. My peevishness appeared to please instead of to nettle him and he grinned exasperatingly as he threatened me with his marmalade smeared toast.

"Keep cool, Wendell Phillips," he advised. "Watch and listen and you'll see whether it is any joke. Oh George."

The call was addressed to our waiter, a good natured appearing darky who was approaching with his perpetual deferential bow.

"Many rabbits around here, George?" Borton inquired with assumed carelessness as the finger bowls were placed before us.

"Yes, sah; yes sah; a great extravagance ob dem, sah. Yes, sah, I specks dere's a powerful lot ob dem, Sah."

"Is the Big Rabbit here, or coming?" Borton asked without glancing up.

With a crash one of the copper finger bowls fell to the tiled floor. The grin faded from the face of the negro and was replaced with a scowl of sullen suspicion. He stood shivering as if in fright for an instant then, stopping suddenly, he made some sort of a sign with his finger in the water spilled upon the floor. I gazed at him in surprise and amazement.

"ARE you expecting the Big Rabbit soon?" Borton inquired, cooly ignoring the dropping of the finger bowl.

"Ah doan know nothin' 'bout no Big Rabbit," he muttered sullenly as he eyed Borton with evident distrust not unmixed with fear. He was still scowling and watching us covertly when we tipped him and left the room and, glancing back, I noticed him making signs over the coins on the table before picking them up.

"You saw?" Borton asked quietly as we descended the stairs. "Perhaps you will be convinced it isn't a joke."

"What the dickens is all this monkey business?" I demanded, stopping and confronting him in irritation. "Isn't there enough mystery about this affair without dragging in a lot of conjuring tricks and devil business to complicate it and to mystify me?"

Dick did not reply for an instant, but stood frowning thoughtfully. "Wen," he said, slipping his arm into mine and speaking so earnestly I realized he was not striving to revenge himself upon me for my skepticism. "I have a theory. It is so preposterous I would not tell it to anyone and expect anything but a laugh. But you must remember I was born and reared in the South, over in the black belt of Alabama, where the negroes, yes, and many of the whites, hear tales and believe in things you Northerners would laugh at as ignorant superstitions. I am not at all sure I am on the right trail, but if my theory works out I predict you will make a cross mark in the dust every time a rabbit runs across the road in front of you for the next hundred years. It may sound like a childish thing—but remember we are dealing with child minds in powerful men's bodies."

He spoke with such convincing earnestness I knew he meant it and that far from being in a mood to jest, he was in solemn earnest.

I pressed him to tell me his theory.

"NOT enough time," he said, "I'll give it to you tonight at Palatka. I must hustle. It is almost time for the Crescent to start. Don't forget the stops, and—watch for Rabbit tracks."

He grinned mischievously as he hastened away down across Bay street to board the steamer which already was sounding its first warning whistle.

Had it not been for the seriousness of the errand and the air of mystery which had clouded every move we had made I would have enjoyed that day on the St. Johns river more than I had enjoyed anything in years. It was still winter up 'home' in the Northland, but spring had come to the Land of Flowers. The fresh green of the trees and grass, the flash of white and gold from dogwood and jasmine, the scent of orange blossoms and jasmine on the soft breeze, mingling with the incense of the pine woods made the day ideal.

The engine of the Jason worked like a watch and we went skimming easily up the river, running almost twenty miles an hour. I was too busy and too mystified and worried to spend much time admiring the broad reaches of the river, or the beautiful wooded banks, where the huge, live oaks, covered with a mourning veil of moss, were broken and highlighted by the magnolias, just starting to flower.

The first negro I employed was loitering on the dock at Jacksonville, watching me as I tested the engine. He was in a loquacious good humor and eager to earn a dollar and his fare back, to aid me. He gave me the names of the owners of the fine houses as we flashed past Riverside, and asked childish questions about my business and my errand on the river. I nursed his good humor, and finally, thinking the time was ripe to wheedle some information out of him, I inquired:

"Did the Big Rabbit get back yet?"

His eyes grew large. His good humor changed to scowling suspicion. He declared he knew nothing about any "Big Rabbit" and, after a few minutes of confusion, attempted to mislead me by asking what I meant about a rabbit. He appeared relieved and glad to leave me when we reached Plummer's where I waited until he had started to find a way to return to the city, then employed a fisherman to assist me over the next stage.

THE dollar I offered him and permission to tow his row boat behind the Jason set him in a high humor, and as soon as we put out I inquired of him concerning the Big Rabbit. His loquacity ceased. Under a volley of questions he admitted, "Ah done heerd sompin' 'bout it —I dunno."

I paid him at Mandarin and shipped a weazened old negro who boasted that he "use ter run on de ribber." All I could extract from him was a sullen assertion; "Ah doan know nothin' 'bout no Big Rabbit."

Him I discharged at the end of the long dock at Orange Park, tied up the boat and loitered for a time. A group of colored men and boys was gathered along the pier fishing for bream and cat fish and to them the old negro, I felt certain, made some sign, or whispered something for, when I strove to hire one to go with me to Switzerland, all refused with sullen silence and resentful looks.

I was compelled to proceed alone on the beautiful but discouraging voyage southward along the river. Everywhere my experience was similar. Not one word of enlightenment could I extract from any one of the ten negroes employed during the day. Yet the manner in which my questions were received, the sullen suspicion with which they regarded me afterward, the undoubted symptoms of alarm, convinced me that each one of them knew much more than he pretended. What it was I could not even guess.

I fouled the screw of the motor boat in some floating water hyacinth above Fairview, and was delayed almost an hour before I could work clear of the plants which almost choked the river below the bridge at Palatka, so it was almost six o'clock when I reached the dock, tied up the boat and hastened to the Putnam House where I had arranged to meet Borton.

The Crescent had arrived and departed hours before, yet no Borton was in sight. As soon as I wrote my name on the register the clerk of the hotel glanced at the book and handed me a note which I read with some consternation. It was hastily scrawled on hotel paper and said:

"On hot trail. Pressing it. Wait for me here. May telephone or telegraph if delayed. Dick."

I WAS crestfallen and a little jealous at the idea I might fail to get in at the finish and that Dick, as usual, would get the major portion of the glory. Still, my hopes of success revived, and the discouragement over my failure to extract any information from the negroes faded. I realized that, in dealing with colored people, Dick had me at a great disadvantage. I was tired and sore and sulkily resentful of the idea that Dick might rescue Miss Tonneson while I idled

in the town waiting for him in helpless futility.

I was compelled to confess to myself that, half consciously, I had been calculating upon being the hero of that rescue myself and had been staging rescue scenes, with the heroine safe in my arms and the curtain descending. I reflected, disgustedly, that I might have known handsome Dick Borton would be the hero, and decided to turn in, leaving word that I was to be called the moment Borton arrived or any word came from him, then sensibly concluded a good night's sleep was the best way to assist.

For a day and a half I was left cooling my heels around the hotel, fretting and fuming over the enforced idleness, yet fearing to leave even for an hour lest some message should come from Borton and find me absent. The second afternoon, when no word had come, I tuned up the Jason and decided to run down to the Gaskill sawmill near Federal Point to see whether I could not pick up some trail independently, or at least learn something about the Major's activities in that part of Florida. I remembered that the little banker in Atlanta had seen it from the river on the journey up from Jacksonville. The mill manager, a huge black man with but one eye, informed me politely enough that Major Gaskill had visited the mill about a week before but had left, presumably returning to Atlanta. The mill, he said, had not been sawing much timber, the pine on the tract owned by Gaskill having been cut off until the output did not even justify the keeping of a tow boat.

MAJOR GASKILL, however, had informed him he was planning to secure a large run of logs soon and had ordered arrangements made to increase the working force to a double shift when he sent orders. I inquired of the man whether he knew anything of the Big Rabbit and he said he didn't know anything about that 'nigger foolishness.' He was from the North, a skilled machinist and sawyer and not in sympathy with the people of his own race in that section.

I sent that boat nearly full speed back to Palatka, hoping Borton had reappeared, but was disappointed. My anxiety and restlessness were increasing with every hour and I raged internally at Dick for running into danger alone when the wait of a few hours would have permitted us to proceed together.

The evening was a beautiful one. The full moon rose early and, after dinner I went out into the wide piazza to watch the effect of the moonlight upon the river and to smoke. I was deep in thought, striving to figure out what Borton's weird theory might be and evolve some theory of my own when I heard my name spoken. An instant later I was on my feet shaking hands with John Danforth and saying:

"Well, Dan, what brings you into this corner of the world?"

"I was thinking of asking you the same thing when I saw you sitting there dreaming," he laughed. "Come up to my room. I have the ingredients there even if this is a dry country and me a goverment man. I'd rather talk in private."

"Lucky thing for me, meeting you this way, Dan," I said as we ascended the stairs, "I'm badly worried and need advice."

It was a lucky turn of affairs. Two years before I had made the acquaintance of Danforth, a quiet, soft spoken little man who was engaged in the immigration secret service. He had helped me in running down several newspaper stories and occasionally, I had been able to give him information. Thus we had became good friends. In a few minutes we were locked in his room and he was concocting a toddy with the hand of a master. It was not until he poured my drink that he renewed his query as to my business in Florida. Determined to trust him in everything and to seek his assistance I related briefly, our adventures of the last few days.

"You needn't fear me much as your rival in the detective business," I concluded, crestfallen, "I confess I'm utterly up stump until Borton returns."

THE little detective had listened almost in silence, occasionally frowning slightly or nooding his head in understanding. Two or three times he had remarked, "I don't like that." He appeared more and more serious and his brow clouded as I described what I knew of Borton's last move and showed him the note.

"Does your friend Borton know these turpentine and timber darkies?" he asked soberly.

"He knows more about them than any man in America," I said. "He seems to take them more seriously than I ever did and he will not be liable to be caught napping. He seems to think they are dangerous."

"He may get through all right if he understands what he is up against," said Danforth, puffing his cigar thoughtfully, "but I'd rather tackle the wildest cannibal tribe in Africa, than to get mixed up with a crowd of these Florida timber and turpentine negroes, especially when they can get alcohol or bootleg hootch."

He studied over the situation for some time, frowning heavily and smoking as if worried.

"I'm hired by a timber owners' association to run down a gang of log thieves. Stealing logs is so common it scarcely is noticed in this district, but one gang appears to have made organized raids and stolen millions of feet of choice timber, the best pine, without leaving a trace. The big operators are getting tired of it."

"Any clue as to the thieves?" I asked carelessly, for to tell the truth I was not thinking of Danforth's problem, but of my own.

"Not a trace. I have tried everything. The only information I have found came from a drunk. In fact I got him drunk, suspecting he knew something. He told me the Big Rabbit was gnawing the trees down."

I jumped as if he had struck me with a pin.

"The Big Rabbit?" I demanded sharply. "Has everyone down here gone crazy?"

I laughed, but the laugh did not ring true.

"What do you know about the Big Rabbit?" Danforth asked quickly.

"Nothing—only that is what Borton went after, a 'Big Rabbit.'"

Danforth suddenly started forward in his chair.

"Borton after the Big Rabbit?" he demanded, excited for the first time.

"Why the deuce didn't you tell me that? I'm afraid your friend is in worse trouble than we dreamed of. We'll be lucky if we ever see him alive."

"What is it? What is all this mystery?" I demanded, alarmed by his tone and manner as well as his words.

"No one knows excepting the negroes," he replied. "And they won't tell. It looks as if you and I will work together from now on. If we don't get some word from Borton by morning we will start in search of him—or of his body."

CHAPTER VII

Ready for the Rabbit Hunt

RESTLESS and excited, stirred to alarm because of Danforth's positive fear over what I had chosen to regard skeptically as a vague superstition, I tossed for a long time, sleepless, before finally falling into a troubled slumber.

Danforth had convinced me that there was real peril and more than ever I blamed Borton for starting the chase without waiting for me to arrive in Palatka. It must have been shortly before two o'clock in the morning when a cautious knocking on the door of my room aroused me.

Springing from bed, fully awake in an instant. I flashed on the electric light and unlocked the door.

Borton, disheveled, plastered with mud, his clothing in ruins and soaked with mud and water, reeled into the room and fell, rather than sat down in a chair.

"Help me undress, I'm all in," he mumbled, almost incoherent from utter weakness.

"Where have you been? Why did you leave me? What has happened?"

I bombarded him with questions for an instant, then seeing his pitiable condition, fell to work to tear off his soaked shoes and his matted remnants of clothing.

"You've had a terrible trip," I exclaimed, finding his body scratched and covered with blotches from the bites of insects. "What in Heaven's name, have you been up to?"

"WADING through swamps, up to my chin. Swimming, fighting snakes, climbing trees." In spite of his weariness he strove to grin, but with poor success.

Seeing he was spent almost to the last ounce of his strength I desisted from questioning, dragged off the remnant of his clothing and, rolling him in a blanket, helped him onto a bed while I soaked towels in hot water, bathed him and rubbed him down with some of the whiskey Danforth had insisted upon leaving in the room in case I wanted a nightcap. A drink of the potent "moonshine" administered after the rub down revived Borton a little.

"Haven't slept since I saw you," he half whispered, "I'm all right—not hurt, only dog tired and need sleep. Got to have sleep. Leave a call so I can catch the train into Jacksonville in the morning, and don't fail to get me up. Its got to be done; and its a case of life or death. Don't ask questions. I'm too tired to talk. Tell you more in the morning."

"One question, Dick," I insisted. "Did you find them?"

"No. But I know where they are. They're safe—yet. Call me at five thirty sure. No, you can't go. I must do it myself."

He had anticipated my demand to make the trip to the city in his stead, and as I started to protest his eyes closed, his voice trailed off into a half sob and half sigh. He was sound asleep and snoring before I had finished wrapping the bed clothing around him.

I was in a fever of excitement. The idea of waking Danforth and asking his advice appealed to me but was cast aside. I waked the night clerk and impressed upon him the necessity of waking me at five o'clock and bribed one of the colored boys to stay awake until certain he had me out of bed. Then I decided the best thing to do was to get the most sleep possible and rolled into bed, and, in spite of excitement and anxiety, fell asleep.

I WAS determined to go into Jacksonville with Borton on the morning train if he would not permit me to go in his stead. My brain kept whirling around and around over the same orbit of thought through that maze of mystery all through my troubled sleep. It seemed but a few minutes before the bell boy was hammering on my door and insisting upon earning his tip by seeing me awake and out of bed before he would desist.

Dressing hastily, I aroused Borton and, in the half light, watched his sufferings as he dragged his aching body from the bed. The short, heavy sleep had revived him somewhat although his face was drawn and haggard and he moved as if every turn of muscle was agony.

"I don't think you're able to go," I protested as I acted as his valet and assisted him in dressing.

"I've got to do it—or I would have sent you," he said, wincing with pain.

"I'd like about a week in bed but I'll get some sleep in on the train and coming out."

"Do you think I'm going to let you go alone again?" I demanded hotly.

"You'll have enough to do," he retorted, "I wish we had half a dozen more with us to help. There's plenty to do. You stay here and have the launch all tuned up and ready to make all the speed there is in her. Load her with provisions for three or four days and take plenty of extra gasoline. Get two magazine guns somewhere, and a sawed off shotgun with plenty of buckshot shells if you can. If necessary appeal to the sheriff or whoever is in charge here—but get them. Then get the oldest suit of clothes you can and some burnt cork because I want to black up and play negro for a few days. Now don't start asking fool questions. It would take hours to explain and then you wouldn't understand. But do as I tell you. I've thought it all out. I wish we had another man we could trust."

"I've got him," I responded quickly, forgetting some of the many questions that arose to my lips.

"WHO is he? Can he be trusted?" snapped Borton, hastily arraying himself in clothing from our scant supply and a shirt and collar procured by the bell boy who was hanging around, eager to help, and puzzled by our behavior.

"Danforth, the little detective from the immigration bureau," I told him.

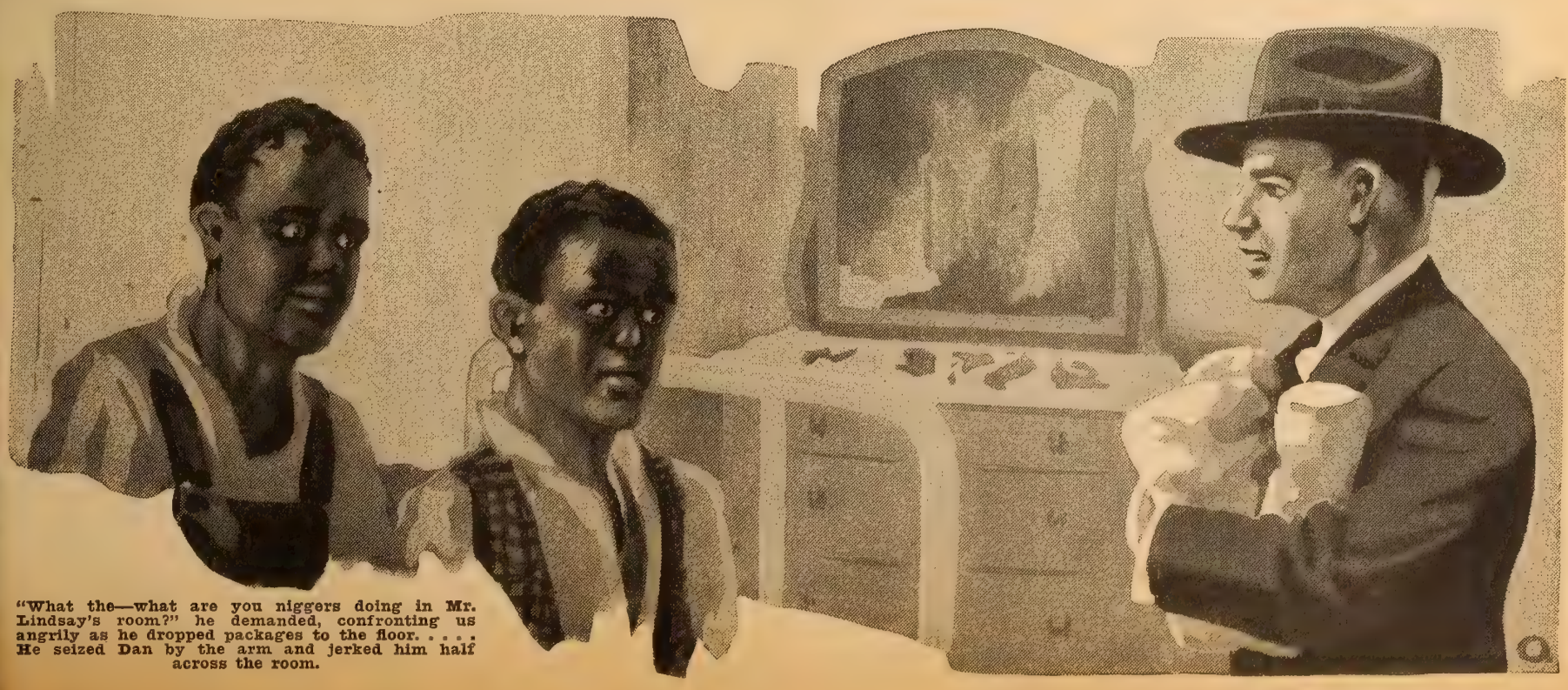
"You probably remember hearing me speak of him. He is down here on business but said last night he was willing to help and that he thought you in serious danger."

"I was," said Borton. "We'll need him. Is he game?"

"As a pebble," I vouched for Danforth. "You remember he is the fellow who took those three Hungarians out of the boat in the Lower Bay a couple of years ago when they were trying to break quarantine and brought them in in a row boat after a fight?"

"I remember him. He'll do—if he wants to join us. Tell him it may be a case of a fight against odds, but I hope

(Continued on page 28)



"What the—what are you niggers doing in Mr. Lindsay's room?" he demanded, confronting us angrily as he dropped packages to the floor. . . . . He seized Dan by the arm and jerked him half across the room.

Old Man Static's Funeral

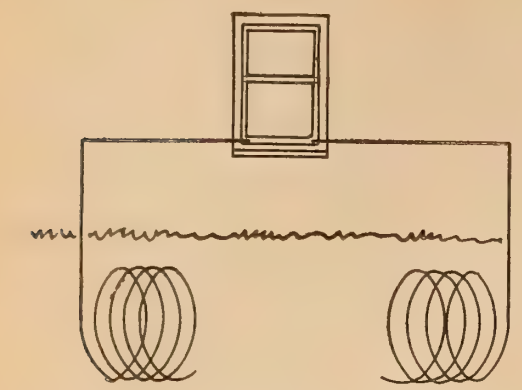


Figure 2. A variation whereby the two buried coils are inductively coupled together.

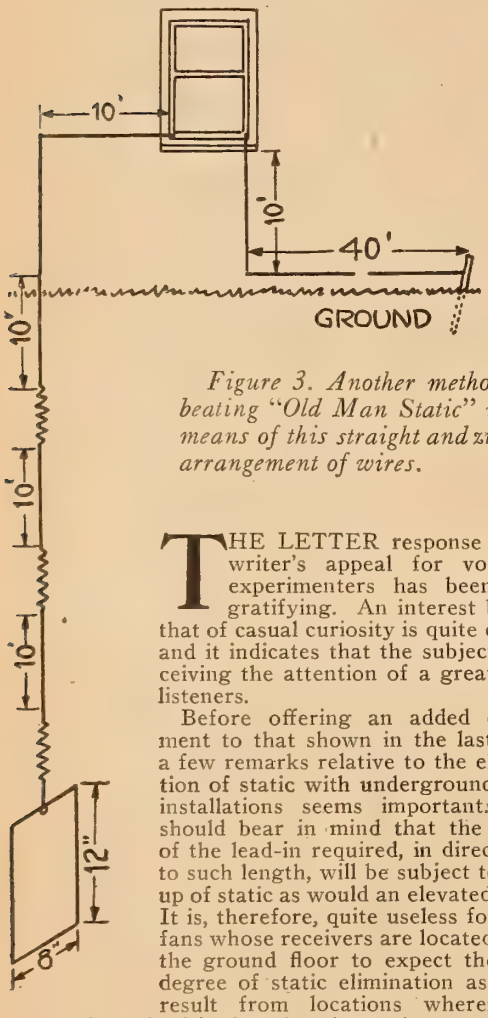


Figure 3. Another method of beating "Old Man Static" is by means of this straight and zigzag arrangement of wires.

IT IS REAL Work to Bury An Aerial Seventy-Five Feet Long, But If That Work Would Remove the Static Blotches from Your Summer Reception, Would You Do It? Many People Have. Part II.

By MILO GURNEY

THE LETTER response to the writer's appeal for volunteer experimenters has been most gratifying. An interest beyond that of casual curiosity is quite evident and it indicates that the subject is receiving the attention of a great many listeners.

Before offering an added experiment to that shown in the last issue, a few remarks relative to the elimination of static with underground aerial installations seems important. One should bear in mind that the length of the lead-in required, in direct ratio to such length, will be subject to pick-up of static as would an elevated aerial. It is, therefore, quite useless for those fans whose receivers are located above the ground floor to expect the same degree of static elimination as would result from locations wherein extremely short lead-in lengths above the ground are required. Another point to bear in mind is that irrespective of location, the outer earth terminal location of the antenna should be kept fairly moist, as should the ground earth connection. This in effect means that one must expect to devote some attention and care periodically to the installation.

As promised in the last article, figure 2 indicates a modification of Mr. Guyer's method of reception. No drastic change has been made other than that the axis of the coils has been changed with reference to the earth. They are now upon the same plane and inductively coupled. In working a system of this kind one avoids a purely directional effect, and the resulting coupling appears in some localities to add materially to the signal strength. In arranging such an installation various separating distances between coils and in several conditions of earth dampness were tried, with the conclusion that no fixed distance of separation can be established as best. A general review of the experiments indicates 3 to 4 feet as most desirable.

It was noted that a static reduction was to be had when the lead-in was made of lead covered cable. This cable was then grounded, a practice which brings the exposed lead-in exactly to earth potential.

The third experiment, one which offered much of interest, is shown in figure 3. Here the ground lead consisted of 50 feet of number 14 insulated copper wire. From the receiver this wire was brought directly to the earth a distance of about 10 feet. It was then run in a direction at right angles to the outlet and one foot underground for the remaining distance of approximately 40 feet and grounded to a 6-foot pipe driven into the earth.

The antenna consisted of 75 feet of the same wire placed as follows. Passing through the window from the receiver it turned and ran in the opposite direction to that of the ground lead for about 10 feet, then down to the earth and at right angles to the ground. Thus the antenna and ground leads were located at 90 degrees or a right angle to one another. Ten feet from the point where the antenna entered the ground eighteen inches deep, it was laid zigzag as shown in figure 3. The length of the folds or "zigs" was approximately 12 inches and the length of each zigzag portion was such as to use about ten feet of the wire. From this point the wire was again run for a distance of 10 feet straight when the process of zigzagging as shown in figure 3 was again repeated. Again it was continued as a straight wire for 10 feet, etc., according to figure 3, and again zigzagged. This last zigzagging consumed the remainder of the wire.

The full length of wire from the point where this antenna entered the ground, was buried approximately 18 inches deep. The final operation was that of connecting a 12 inch by 8 inch piece of 10-gauge copper sheet to the outermost end of the wire. This was securely soldered to the antenna, but before burying, was given three coats of thick shellac in order that it would be well insulated.

Figure 4 depicts the method employed for the burying of this plate, the process being that of making a strong sal ammoniac solution and into this mixing ordinary blotting paper. A sufficient quantity of the paper

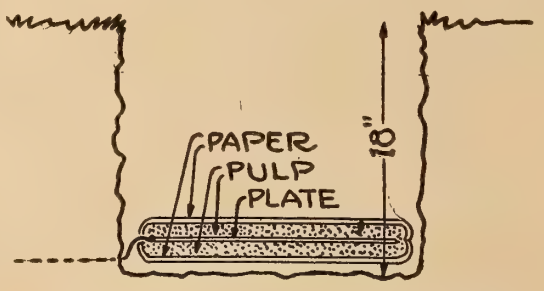


Figure 4. Here's how to bury the plate on the end of the straight-zigzag antenna.

was used so that all of the solution was absorbed and formed a pulpy mass. At the bottom of the opening for the reception of this plate was laid a small section of building paper while over it was placed a thick layer of half the putty-like sal ammoniac pulp. Next in order was laid the copper plate, while over this was placed the remainder of the pulp mixture. The whole was now covered with another sheet of building paper. Then the earth opening was filled with dirt and tamped well.

Something New!

MORE tricks from the bag of the experimenter, Mr. Gurney! In the next article of his series he will have a conversation with you about "horizontal" aerials. Now horizontal aerials are not merely aerials that stretch parallel with the ground for a distance, then drop down to your receiver with another wire going from the set to the ground. They are something new—entirely new—and worth "playing" with.

You'll be surprised to learn that some Radio waves prefer to travel along on a horizontal plane only. Queer, but it's true.

This article will not appear next issue, but soon. In the meantime get busy with the spade and report your buried antenna reception results to Mr. Gurney. Don't forget to tell him exactly how you have your antenna buried. Draw a rough picture to convey the idea correctly.

Someone, we don't know who, is going to discover the perfect static-free antenna, and it may be you. Let's go!

—THE EDITOR.

It will be apparent to those following this description that an effort was being made to secure at this final end a capacity to ground which would be as lasting as possible, and furthermore it is obvious that any other method for the securing of a near permanent condition may be employed.

This particular installation presented an unusually interesting group of experiments. With the first operation of the receiver even a novice could at once detect that the signal strength had been very materially increased while so far as could be ascertained the static level remained approximately constant with that of Mr Guyer's first experiment. By this is meant that the total elimination of static was impossible, not only in this instance, but in all of the other attempts to get rid of it.

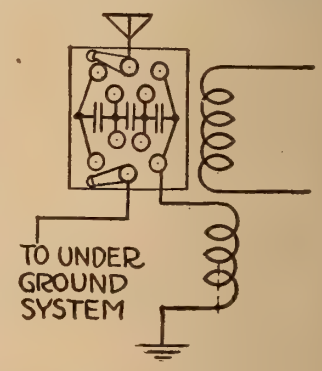


Figure 5. A selectivity switch worth making.

However, it should also be clearly understood that this and other experiments were considered as quite successful and perhaps pointing the way to a final solution. Yet, the author desires to emphasize that at no time was reception entirely free from this disturbance. There were many evenings when we were elated with the results obtained and led to believe that the research work need not continue further. On such occasions the interference was so slight that, except as a background with very weak signals, it could not be heard. Then would come an evening when the "Big Boy" who bosses the static producers would crack the whip and make them go to work with a vengeance. Upon such evenings there was no denying that the underground scheme did not make our receiver entirely immune. This effect was not that of the usual static "showers," which sound so much as rushing crackling water, but did appear as breakdowns similar to condenser overload discharges. However, at no time, with one exception, were they annoying.

A careful log was kept for a period of three weeks upon this particular installation, from which excerpts will be offered as of possible interest to the reader experimenter. As most of you will be interested in the comparative signal strength received upon the underground as against a 100-foot single copper wire aerial placed 30 feet above earth, the following will be of interest. The elevated aerial showed an average of 20 per cent more signal strength in each instance. From this it

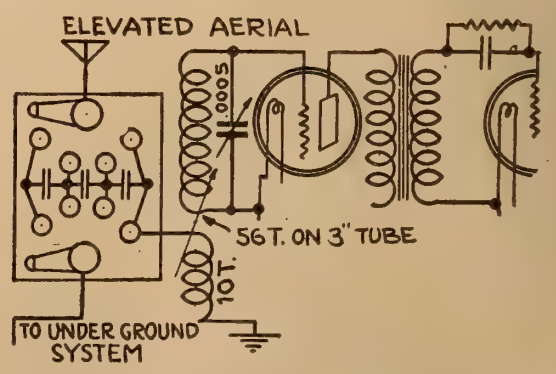


Figure 6. Here is suggested a method of coupling the input of buried antenna to your set.

is to be deduced that for extremely loud signals or distance the underground aerial suffers by comparison with the elevated, while to the contrary and in favor of the underground system, the static level was materially reduced when using the underground system. Stations which were received on the elevated aerial with a static level which practically blanked even fair reception, could be brought in on the underground system with fair volume and very little static.

(*Continued on page 14*)

It's Time for Spring Cleaning

WINTER PLAYS a "Dirty" Trick on Your Radio. Get on the Job with the Robin's First Note. Here Are a Few Hints on Operation and Set Maintainance for You. Part I.

By the TECHNICAL EDITOR

BEGINNING as a most healthy infant, Radio has progressed until it ranks as sixth among the great industries. Out of this wonderful development comes the need for a series of articles which will not only offer suggestions for the installation, operation and maintainance of receivers, but also the inclusion of a handy reference chart covering the usual ills which befall a set, together with methods for correcting them.

Radio receivers have now reached a stage of refinement where aerials not to exceed 100 feet in length, including the lead-in, are enough for the reception of most of the high-powered stations. Number 14 single strand enameled or otherwise insulated copper wire is to be preferred, for both the antenna and its lead-in. Insulated wire is recommended not only because its use offers less fire hazard and possibility of accidental ground contacts, but because such covering protects against early oxidization and soot accumulations, each of which evils add resistance to the circuit. Greater

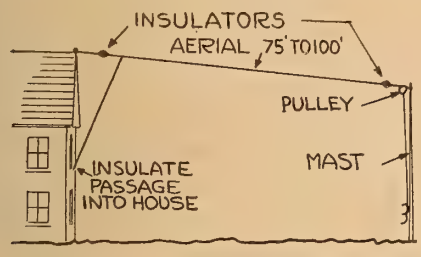


Figure 1. Typical aerial installation where mast supports one end.

aerial lengths may be used in localities known as "dead spots" in order to secure a greater signal pickup. However, the use of longer aerials not only increases the capacity, but also requires much greater care for stable installation.

Single or multiple wire aerials are in a measure directional, that is, aerials will favor the reception from stations in line with the horizontal direction in which it points. It is advisable, therefore, to consider this feature when making the installation by pointing the aerial in the direction in which the major stations you desire to receive are located.

Figure 1 pictures a satisfactory method for the in-

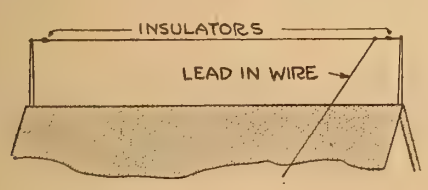


Figure 2. If there is space on the roof, such an installation is possible.

stallation of a single wire aerial in localities where the erection of a ground pole or mast is possible, while figure 2 is typical of the method which should be followed in the erection of a roof antenna where ample space is available. While it is generally known that all aerials should be well insulated from their supporting wire or masts, there remains a considerable misunderstanding relative to the type of insulator which should be used. As safety is of first importance, it is obvious that any old type of insulator will not serve.

Figure 3 shows the style which offers the greatest security. The reader's attention is called to the peculiar method used for assuring safety. Two interlocked horizontal U's form the scheme of its construction. Upon careful inspection it will be apparent that even though the insulator should break, it still remains impossible for the antenna to fall as the two wires will be looped together. While glass insulators are to be preferred, high grade porcelain is also acceptable. The size selected should be liberal. The baby type of insulator is not worthy of consideration as entirely too early after its installation its efficiency is impaired by the high resistance accumulations which provide a pathway to mischief.

While the use of insulated wire has been advised for antennas, this does not mean that bare copper wire of an equal gauge cannot be used. Except in localities where there is smoke in the asmosphere, a bare wire will serve very well. Lead-in wires must, however, be insulated and their junction with the aerials well soldered. Failure to make a secure soldered joint spoils in direct ratio ones ability to secure successful reception over an extended period.

As this series of articles is intended not only to assist the owner of a receiver in securing maximum results from his investment, but to point the way for the proper installation of the required accessories, it is then most important to give a somewhat detailed description covering the proper method of bringing the lead-in into the interior of the house. Wherever possible, this junction should be made at an end of the aerial. From this point it should pass down to its point of entrance and be kept well away, say three or four feet, from the roof and walls of the building.

Two insulators must now be placed close to the opening where the wires are to go into the building, one about ten inches below this opening and the other about three inches below. (See figure 4). The lead-in should now be anchored to the lower insulator and then re-anchored to the topmost one, where it should end. A portion of the insulation adjacent to the lower anchor should be removed from the wire and a soldered tap taken off which should be connected to the lightning arrester. The ground connection to this arrester should also be of number fourteen copper wire and placed so as to go in as direct a line as possible to the earth or a water pipe to which it is to be soldered. It is well also to attach this ground wire to insulators as it passes from the arrester to the ground, in order to insure that lightning will have no leakage to the building. It is important to run this particular ground wire in a direct line to its ground connection. The reason is that electricity, irrespective of character, dislikes exceedingly to follow any other path than a straight line. Any interference offered by angles in the wiring can but act as chokes to retard lightning's passage and should therefore be avoided.

A further removal of the insulation from the lead-in at the topmost insulator should be made and the wire which is to pass into the house be connected and soldered at this point. In summary, we have then a lead-in installation which not only offers thorough lightning protection, but also a desirable moisture drain.

A porcelain tube inserted through the partition for the admission of the wire going to the receiver is preferred, although the market affords several devices in the form of insulated flat strip lead-ins which are safe and acceptable. It remains as most important, irrespective of type used, that the wire leading from the receiver to the antenna lead-in connection must be soldered.

Do You Know?

LIGHTNING never strikes twice in the same place—there isn't usually anything left to strike.

Which reminds me that altogether too many users of Radio receivers use lightning arresters—after the house has burned down. Some advocate their use immediately after the receiver has had a shock and a scorching. I said some. But—

The Board of Insurance Fire Underwriters demands their use as a safeguard with each Radio receiver. The board ought to know. Of course, yours is a different house, yours is. Lighting will never strike your house except when it has lost the address of that mean man whose house it was going to strike. And—

Then you'll be sorry. So will I and also the lightning, because we all made a mistake. You will build a new house, and insist upon the installation of a lightning arrester with your Radio. Then I'll thank you and tell you something about their value and how to install them in the next issue, out June 1.

—THE TECHNICAL EDITOR.

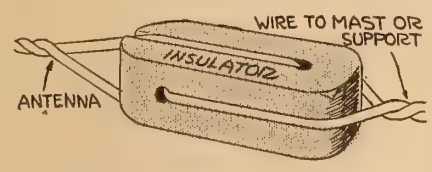


Figure 3. A "safety" type of aerial insulator which will not drop the wire.

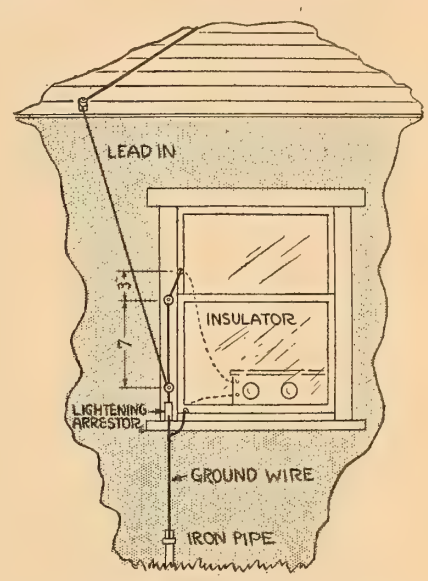


Figure 4. Showing the proper method of bringing lead-in and ground wires to lightning arrester and into house to receiving set.

The subject of "grounds," concerning the wire which runs from the receiver to an earth or ground connection, can but repeat the axiom that "No Radio receiver is any better than its ground." This is a real, wide-awake Radio truth. Grounding on hot water pipes will not do. Grounding on cold water pipes is also to be avoided if one can take advantage of securing a

Figure 5. A good ground connection is a most important essential.

moist earth ground. Moist terra firma has many competitors, yet to date stands in a class by itself without fear of being surpassed.

Earth grounds which are satisfactory may be made by driving a six foot galvanized iron rod into the earth. The exposed end, about six inches long, should be thoroughly cleaned and the ground wire of the receiver connected to it by wrapping several turns tightly around the pipe and soldering.

Should it be impossible to secure an earth ground, the second choice is a cold water pipe. Select the one closest to the street and ahead of the water meter, and attach the ground wire after cleaning the pipe in the same manner as was suggested for attachment to the earth ground. Often, with water circulating in such a pipe it is quite impossible to solder the wire. In such cases, shut off the water supply and drain the pipe, or if this cannot be done, the scraped portion should be thoroughly wrapped with tin foil and the strap form of ground clamp attached. The ground wire is then fastened tightly to the clamp. If no ground clamp is available, the wire should be wrapped securely around the tin foil (see figure 5) and over this another layer of tin foil should be placed. This completed, the connection should be covered liberally by wrapping the whole with several layers of electrician's tape. The purpose of the tape is to act as a barrier against air reaching the electrical connection and corroding it.

(In the next article, lightning arresters and the importance of their use will be discussed, together with suggestions for the selection of the proper A and B batteries and their care. This article contains a wealth of information.—Editor's Note.)

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Where Is the Chaos?

SEVERAL weeks ago Federal Judge Wilkerson in Chicago said the government was wrong and that the Zenith Radio corporation was not criminally liable for choosing its wave length and hours of operation. Interpretation of that decision indicates that Secretary of Commerce Herbert Hoover and his aides did not know the 1912 Radio law thoroughly or else neglected its proper application.

The old adage that ignorance of the law is no excuse seems to our minds as particularly fitting.

Whether or not 500 other broadcasting stations like the decision or not, and some of them do not, the fact remains that WJAZ was within its rights. Furthermore, the decision of Judge Wilkerson brings out dust-covered and concealed bits of the old Radio act which might have been and still may be applied to govern broadcasting partially and to refuse to license stations not engaged in the commercial communication or Radio manufacturing and experimentation businesses.

Mr. Hoover is credited by the press with statements that the federal judge's decision would mean chaos in broadcasting. We have not heard that chaos up to the time of going to press. We will go further and say that we do not expect any such Radio chaos ever to result. Frankly, we cannot understand why Mr. Hoover is attempting to scare the Radio industry in such fashion. He asks that the White bill be rushed through.

He is in favor of the White bill. At the fourth Radio conference he declared against being given too much power. Careful readers of the White bill say that this instrument continues to give him very great powers. True, a commission is provided, but its powers are not so stong.

Let us not be rushed into unfavorable legislation by this cry of "wolf." Let us carefully weigh the Dill and Borah Radio bills before we are hoodwinked into unconsciousness.

There is and will be no chaos. Only the Radio communication or manufacturing and experimenting companies now holding licenses can legally switch their waves, and only then between certain limits. But none will. They are afraid of losing the public good will—that intangible but valuable asset they set out to acquire when they started and continued to broadcast.

Read and Shake Your Head

WE HAVE just finished a book, "Pegasus," by Col. J. F. C. Fuller, an Englishman, and published by E. P. Dutton and company, New York. It deals with the problem of transportation, and of empire building and making work for the unemployed by successfully developing means of transportation.

Colonel Fuller's work is a brief but well organized and very readable text. It sets you to thinking. We recommend it most highly to those of you who are satisfied that there is such a thing as progress and that there are most effective methods of attacking a problem than is whip-sawed daily, monthly and year in and year out by the politicians in Parliament or Congress.

What relation has it to Radio and why are we discussing it? Because:

Transportation and communication grow hand in hand. The former is better with the latter than without. The author visions a possible future when the medium of one will be the medium of the other; when transportation will be by means of Radio waves in the ether; when we and our baggage, as do now our voice and music, will speed along at the rate of 186,000 miles an hour through the ether.

The vision described in the last paragraph is but a part of his book, however. The colonel delivers a far more practical message, practical in that it can be employed today, immediately, in solving the transportation problem.

We wonder how many skeptics will shake their heads in doubt after reading this editorial. If you do, don't go to a specialist. You're normal. We expect just that reaction from the mass. But genius is abnormal and will not sneer.

RADIO INDI-GEST

A Bum Steer

The Night Herd sat on the old corral fence,
Waitin' for steers to go to fifteen cents
When the weeds flew up and tickled his heel
And he fell off the fence on a banana peel.
So he said to himself, "the market I'll get,"
And went in to tune his old super-het,
But his wife was usin' the set that day
Listenin' to music from old KHJ.
And when the set he tried to take,
She combed his hair with the garden rake
And busted his back with a fryin' pan
And heaved a flat iron as out he ran.
So back he went and sat on the fence,
While the price of steers went to seven cents.

OLD KING TUTT

SHORT SHAVES
By Barbara

Yes, yes, ohhhhh my, my, yes, Alloashus, Mr. Persimmon of Station OBOY is a man. Tst... Tst... Tst. Shame on you for even suggesting such a thing. Why anybody, even Mr. Persimmon, knows that one is supposed to eat cherry pie with one's knife, doesn't one? Do you? I do too. I think I'll take it up for a pastime. It seems to be so popular nowadays. Chewing tobacco, I mean.

* * *

Now kiddies, I'll tell you some real dirt. Uh, huh. Jack Pott, favorite at BLAH, is supposed to be a fine married man, but I understand he is going to leave his wife. Yes indeedy, hot stuff, what? The doctor says he cannot live. Isn't that nice? But sh-h-h, don't tell anybody, 'cause I've already tipped off my favorite undertaker.

* * *

No Garlica, Vernon Velvatone is not homely, oh mercy no. He is about seven feet tall, wears number twelve shoes, has one glass eye and a wooden leg, and thin—say he's so thin he could take a bath in a bud vazz, I mean vase. His kinky, snarled hair is only mangy in spots, and his lovely, stringy mustache just reeks with halitosis. Yes, and he ties the ends of it together so prettily beneath his undershot chin. Don't you think so? Oh yes, goodness yes, I think so too. Can he roller skate? You should see Vernon massage the concrete every morning on his way home from work to visit with his darling little 226-pound wife. She's so frail, but she's not afraid to stay home alone at night because she listens to him read the ads every night and his sweet, whiskey voice, resembling a porcupine gargling ground glass and burrs, soothes her just like balloon tires.

* * *

What terrible crime would you like unearthed about your most hated soprano? Don't need to drop me a note, kiddies, because I'll unearth it anyway. BARBARA

A Wise Fan

There was a man from our town
And he was wondrous wise;
A Radio he built himself,
'Twas of a goodly size.
His Scotch friends came from everywhere
To listen in each day;
But when he charged them fifty cents,
He frightened them away.

JEAN McMICHAEL

STATUE TO "DIELECTRIC" TO BE ERECTED IN MILLER FALLS; GREAT RADIO CRICKET RECOGNIZED AT LAST; A MONUMENTAL ACHIEVEMENT

City to Honor Writer of Snappy Critickcisms—Will Shoot Fiendish Third Trombone Player at Dedication—Dictionary Thrown for Loss

MILLER FALLS, N. J.—What is said to be a prime achievement is seen in the erection here of a statue to "Dielectric," arch enemy of jazz music and stirring author of "Condensed" criticisms appearing in the adjacent column.

The statue, which is of solid concrete with the exception of the head which is pure ivory, is to be placed in Schlitz Square. It shows the full length figure of "Condensed" gazing with regal contempt in the direction of the local Schlitz beer saloon, where a regenerative set nightly grinds out jazzotic strains.

One foot rests on a dictionary with the inscription, "Dictionarium este de bunkum," which means interpreted, "I carry my own spelling." Facing the figure on bended knees is a replica of David Scaremoff, big-hearted manufacturer of Radio tubes, price $9.50 to $2.00, depending on competition. He is offering Dielectric a Whistlinghouse R. C. set. Several groups surround the figures. One is a band of Congo head hunters cutting down Whitman's Jazz band. Another shows Irving Berlin dragged before the Inquisition to be burned at the stake. A third group shows classical authors singing loud athemas. Fourth, and last, shows The Third Trombone Player eating humble pie on the way to the gallows.

The objection to this worthy project has been raised by a few jealous so-called humorous writers that it would not be fitting to erect a monument to a man who is not yet dead. As this is merely a question of time, it can not be held against the acceptance of such a fitting tribute.

THE THIRD TROMBONE PLAYER

FRANQUE FILOSOFEE

It's a long program that has no announcement.

INDI

News of the Week

Condensed
BY DIELECTRIC

Very much pleasure was experienced in the all too brief time allotted a string quartet in the studio of Station WSAI, Cincinnati, and it is not the easiest thing to derive pleasure when static is almost constantly interrupting. Yet their playing of some very brilliant passages in selections of a bouyant character mark that feature distinctively. The soprano soloist had no difficulty in compassing the range of that more or less famous aria from the grand opera Herodiade. However much you may tire of the soprano singer in general, at times we hear one whose voice overcomes our prejudice, or, whose conscientious effort sweeps aside the determination to tune them out.

A recent feature with none (or few) detracting elements was the singing by the Atlanta music club chorus; well-trained singers with acceptable vocal equipment. One of the numbers they offered that must have met with the approval of the majority of listeners in the Radio audience was the Beethoven minuet, sprightly and graceful throughout.

It is never a hardship to mention the work of the Formica orchestra, for they play uniformly well whatever is contained on their programs. On an evening recently, this orchestra shared attention with the Formica string quartet, the latter playing one of Schubert's beautiful melodies in a wholly entrancing manner. Other numbers were presented with the sole intent to reach approving decisions from their auditors—sometimes the end of the selection is the only goal. Station WLW, Cincinnati, broadcasts these concerts.

Station KDKA, Pittsburgh, arranged a program of selections chosen from light operas with a record of public approval. These were presented by a capable cast, whose most distinctive numbers came from the wealth of melodious material left us by Victor Herbert. So long as music of this class is enjoyed, so long will the public respond with enthusiasm to Herbert compositions.

The Mooseheart station, WJJD, is in such Radiowise hands as to practically guarantee programs coming over with everything in their favor. This is fortunate for those who delight in the Palmer House Victoreans and symphonic players. They make music carry a message of cheer to the thousands regularly tuned to this station.

Additions to any broadcasting station entertainers are received with scepticism until they prove themselves worthy. This happy state came to the Humming Birds immediately upon their appearance before the mike in Station WGN, Chicago, studio and each time they grace the ether with their singing, many are added to the long list of admirers.

Baseball is back with us once again with all of the excitement attending the pitching contests, pill sluggers' exhibitions and expert Radio observers, cataloguing of succeeding incidents through the games. Possibly no other event, certainly no other sport, can command the number of Radio listeners that make it a point to be at their sets during such afternoons as the big leaguers are on the air.

Station WOK, Chicago, recently arranged a program with variety to spare when its features included orchestra numbers, an organ recital and vocal and instrumental selections—all popular in interest, though not entirely "popular" in content. These diversified programs hold first place in the estimation of many Radio audiences.

CHARGES A.T. AND T. HIDES BEHIND N.A.B.

MUSIC COPYRIGHT BILL IS CAUSE OF WORD BATTLE

Composers' Society Declares Dill-Vestal Bill Unconstitutional and Favoring Broadcasters

By L. M. Lamm

WASHINGTON, D. C.—Charging that the American Telephone & Telegraph company is hiding behind the skirts of the National Association of Broadcasters and that it is in fact the power behind the throne, spokesmen of the American Society of Composers, Author and Publishers recently concluded their opposition to the Dill-Vestal Radio copyright bill before the joint congressional committee on patents.

Among those appearing in opposition to the bill were Gene Buck, president; John Philip Sousa, vice president; E. C. Mills, member of the executive committee, and Nathan Burkan, counsel of the American Society.

Mr. Burkan, cousel for the society, who made the concluding statement for the authors told the committee that the Dill bill is unconstitutional, and he contended that through this bill the broadcasters of the country are trying to use congress as a threat against the composers.

Burkan Hurls Bombs

The Dill bill, Mr. Burkan said, would deprive the authors of their broadcasting rights and he challenged congress to pass any legislation favoring the broadcasters. He told the committee that the American Telephone & Telegraph company has the Radio industry of the United States in its grip, and he charged that the Dill bill was not introduced in good faith. He also referred to the National Association of Broadcasters as a "fake organization."

During the course of the testimony, Senator Butler of Massachusetts, chirman of the committee, read into the record a communication from Secretary of Commerce Hoover in which the secretary denied ever having advocated any kind of a tax license on the listener, which Representative Sol Bloom of New York, a member of the committee, said the secretary had suggested several times.

Mills Makes Claims

Mr. Mills, who was referred to at former hearings as a member of the triumvirate of the American Society, told the committee of the work and organization of the society, and said that it had no secrets from either the public or its members.

He claimed that when Radio became popular the sales of sheet music declined materially. He said further that in his opinion Radio will drive the phonograph companies out of business eventually. Without the music, Mr. Mills said, broadcasting stations would be inarticulate. He admitted, during the course of his testimony, that the American Society, had first charged WEAF, New York, a license fee of $500, that it had been raised to $2,500, and that it is now being asked to pay $25,000.

New Chain to Pick-up Atlantic City's Best

WPG, WIP, WCAE, WMAF and WGBS Form Link for Summer

ATLANTIC CITY, N. J.—One of the most important moves in eastern broadcasting will take place early in June, when five large stations, WPG of Atlantic City, WIP of Philadelphia, WCAE of Pittsburgh, WMAF of South Dartmouth, Mass., and WGBS of New York, will form a chain to broadcast features from Atlantic City.

The first program will be put on June 12.

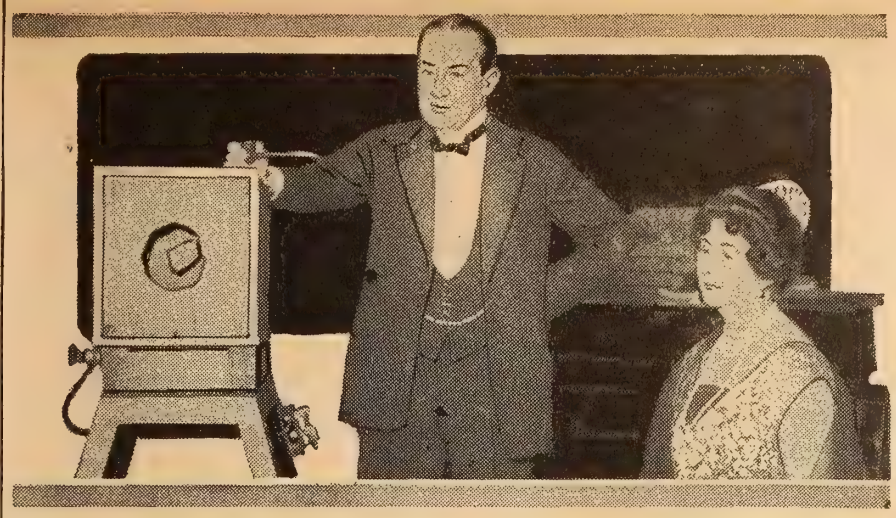
For three years WIP has broadcast from Steel Pier in Atlantic City. Now, with WPG, the municipal stations of the seashore resort, in the field, and controling a large number of features, WIP has linked up with this station, and both are building a magnificent joint studio on Steel Pier.

Edward A. Davies, director of WIP, announced that five internationally known bands will be broadcast through the chain. They include the Goldman band, Sousa's, Conway's, Creatore's and a musical organization from Chicago.

Powerful Spanish Station

LONDON.—The new Barcelona broadcasting station, EAJ1, on top of Tibidabo, 1,745 feet high, and the loftiest hill in the vicinity of the Catalonian capital, has just been completed. It has a wave length of 325 meters. The station is the most powerful in Spain, and one of the most powerful in Europe.

PREMIER BALDWIN TAKES COMMAND



When the British general labor strike took effect several weeks ago in England, Premier Baldwin stepped to the fore and took command of everything including broadcasting. Under his direction broadcasting was continued but strike propaganda was not allowed to go over the air. The above picture shows the premier and his wife in the studio of 2LO, London, just after he had assumed control.

Radio Club Notes

A man who has done much to relieve the interference from Cottrell ore precipitators in the vicinity of Butte, Montana, was the guest of Radio Digest recently. Fond mothers now and then have a mania for tacking on names to regular fellows which don't quite fit. Why Mrs. Wileson picked on the name Abner for her son, now with the Montana Electric Co., when Jack or Buck or some regular "he" name would fit him better is beyond us.

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Evansville, Ind., Radio dealers are digging down in their pockets to help establish a sinking fund for the Evansville Radio listeners' club. Money seems to be an essential and helping with their dollars to clear the air is good work.

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Experiments being made with a device designed by A. D. Eberly, interference expert of the Spokane, Wash., Radio Listeners' association, may point the way to the elimination of interference from the operation of street cars. Announcement of the decision of the Spokane United Railways to extend the tests made during the past several weeks was made recently by R. A. Willson, superintendent.

"One car has been equipped with Mr. Eberly's device and while the experiments have not been sufficient to arrive at a definite decision the results look promising," Mr. Willson said after studying the report on the tests. "We are now equipping three more cars with the device and as soon as enough devices are delivered, will equip all the cars on one line, to continue the tests. However, we cannot tell how satisfactorily the devices are until tests on more cars have been made."

Dr. C. Hale Kimble, president of the listeners' association, declared that if Mr. Eberly's device is successful and is adopted, it will result in solution of a large part of the general interference problem.

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Owen A. Davis, secretary of the Zanesville, Ohio, Radio club, advises that the activities of the club will not only follow the usual efforts toward the elimination of interference but also include the employment of a "Trouble Shooter."

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While on the above subject, may the editor suggest that each member of a Radio club should first look into his own "glass house" and learn to tune his receiver so as not to cause annoying interference for others who are equally anxious to "get that program."

WOMEN TAKE HONORS IN ONE TUBE SET TEST

Win Three Prizes Offered by Crosley Radio Corporation

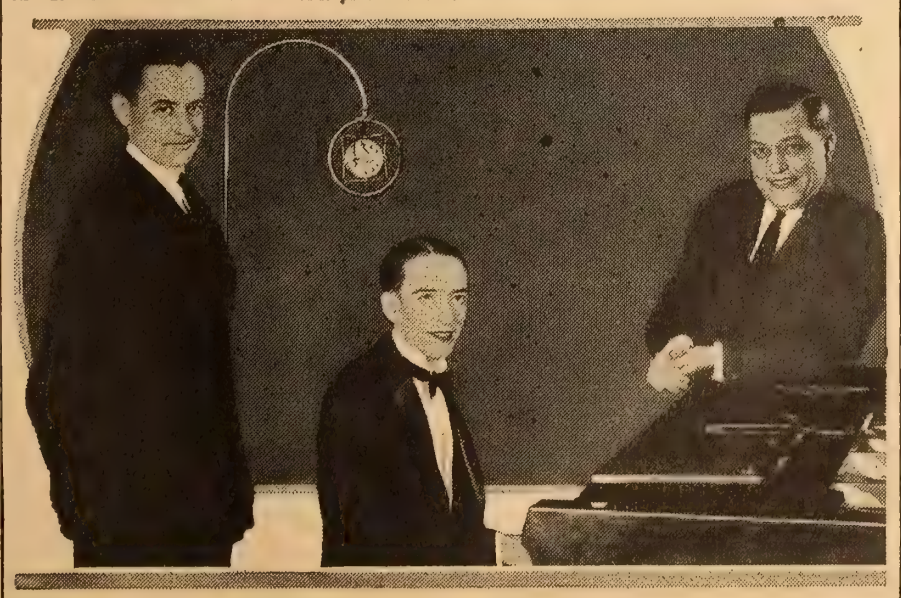
CINCINNATI.—First, second and third prizes in the January section of the one-tube Radio contest conducted by the Crosley Radio corporation, were recently awarded to feminine fans, whose letters on reception were adjudged to be the best of the hundreds received.

Winner of the special money grand prize in the reception contest will be announced soon. Powel Crosley, Jr., donated several valuable prizes, the first one being $1,000 for the best report of reception with any one tube receiver, either home or factory built. The other prizes were six valuable pedigreed police dog puppies and several receiving sets.

Florence E. Beam, Box 208, Willock, Pa., won first prize for the month of January, one of "Deeka's" puppies. This puppy's father, "Deeka," is a famous police dog which has traced many criminals.

Radio receivers were won by Clara Bell McCaslin of Franklin, Ind., and Mrs. L. V. Tangeman, 7029 South Chicago ave., Chicago.

SNODGRASS AND WITTEN AT MIKE



Although not heard on the air as often as several years ago when this famous pair were heard almost nightly from WOS, Jefferson City, Mo., Harry Snodgrass, "King of the Ivories," and J. M. Witten, his announcer, now and then make their way to a microphone in some city where their travels may take them. The team is still engaged in vaudeville. Photo, taken in WREO studios, at Lansing, Mich., shows, left to right, Witten, Snodgrass and Earl Holbeck, a soloist.

LENGTHEN, IMPROVE A.K. CONCERT SERIES

ATWATER KENT REWARDS APPLAUSE WITH ENCORE

Summer Not to Interrupt—WEAF Chain Features Also to Continue as During Winter

NEW YORK.—The public's appreciation of the Atwater Kent hour of good music has made its continuance throughout the summer and further extension in the fall Mr. Kent's announced policy. During the summer months the weekly Sunday concerts will be of a lighter type and occupy but one-half hour. Originally it had not been planned to run the series of concerts through the summer, but the feature has met with such widespread approval that discontinuance was not even considered.

The summer concerts begin at 9:15 Eastern daylight savings time, 8:15 Central daylight saving or Eastern Standard, and 7:15 Central Standard time. They are broadcast by WEAF, WEEI, WSAI, WCAP, WCCO, WGN, WGR, and WWJ.

Greater Stars Will Appear

The closing winter series concert broadcast May 2 marked the appearance before the microphone of the most distinguished group of opera and concert artists ever assembled in a studio for a single evening. This was made possible by the recent signing of a new and more liberal agreement with the Metropolitan Opera company. The new agreement, Mr. Kent states, will allow him next season to present an even greater number of the famous artists of the world through his Sunday evening Radio concerts. While he has presented some of the most noted musical artists, Mr. Kent has been prevented hitherto from broadcasting other famous stars because of rigid contracts the Metropolitan Opera company had with them for their exclusive services.

WEAF to Give Goldman Concerts

Coincident with the statement of the new Atwater Kent policy comes word that the majority of WEAF's chain features will continue without interruption throughout the summer. In addition, arrangements have just been completed to broadcast again the popular Goldman band concert series direct from New York university through WEAF, beginning on June 14.

All regular chain programs, with the exception of the A. & P. Gypsies, Davis Saxophone octet, Happiness Boys and the Whittall Anglo-Persians, have definitely announced their plans to broadcast all summer long. The remaining four features, no doubt, will make plans to continue also.

KOA TO PRESERVE 'OUT WEST' MUSIC

Mile-High Station Prepares for Denver Music Week Festival in May

DENVER.—Primitive and modern music which preserves the spirit of "Out West," will be one of the unique Radio attractions, it is announced, when Denver's gigantic music week festival is broadcast by KOA, the mile-high station of the General Electric chain beginning Sunday, May 16.

"This ethereal menu embraces a host of unpublished songs which were taken down from oral recitations," declares Ralph Freese, of the Denver announcing staff, who is organizing this program.

"Introductory features will be music of the earliest Indian tribes in both the Northwest and Southwest," he continued. "This includes rampage songs of the ber of Indian hymns which were sung to painted and plumed warriors, and a numthe gods of rain and sunshine."

Music week broadcasts over KOA's channels include more than 100 events, it is said, lasting over a period of eight days. Taking part will be musical organizations of more than thirty-five western cities.

Beg Your Pardon

In the first May issue of Radio Digest among the group of "Step On the Stairs" player pictures, the photograph of Miss Betty Sowell of the WOAW Players, Omaha, was said to be the picture of Miss Betty Lowell of KOA, Denver. Radio Digest wishes to beg the pardon of Miss Sowell, of WOAW, for this error.

KFWI, San Francisco, has recently verified its reception in Paris, France, on the night of April 11, 1926.

AN EVENING AT HOME WITH THE LISTENER IN
IN EASTERN (OR CENTRAL DAYLIGHT) TIME

Call	Location	Met.	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday
AT9	Fort Bragg, N. C.	435	Silent	6:00- 7:00	Silent	Silent	Silent	8:00- 9:55	Silent
CFCA	Toronto, Ont.	356.9	Silent	7:00- 9:00	6:45- 7:45	Silent	7:00-12:00	Silent	Silent
CFCN	Calgary, Alta.	434.5	12:00- 2:00	Silent	Silent	Silent	Silent	10:00-11:00	Silent
CJCA	Edmonton, Alta.	516.9	11:00- 1:00	9:30-10:30	9:30-11:30	9:30-10:00	8:00-10:00	11:00- 1:00	10:00- 1:00
CKAC	Montreal, Que.	410.7	6:15-10:30	1:45- 2:45	Silent	6:15-10:30	Silent	7:30- 8:30	Silent
CKCL	Toronto, Ont.	356.9	6:00- 7:00	2:00- 3:55	Silent	6:00-10:50	Silent	6:00- 7:00	Silent
CKNC	Toronto, Ont.	356.9	7:00- 9:00	Silent	7:00-10:00	Silent	Silent	Silent	Silent
CKY	Winnipeg, Man.	384.4	9:00-12:00	8:00-11:00	9:00- 1:00	Silent	8:30-12:00	9:30-12:00	Silent
CNRO	Ottawa, Ont.	434.5	7:30-12:30	Silent	Silent	Silent	7:30-12:30	Silent	Silent
CYL	Mexico City, Mex	480	Silent	10:24-11:54	Silent	10:24-11:54	Silent	Silent	10:24-11:54
CZE	Mexico City, Mex.	350	9:24-10:24	Silent	9:24-10:24	9:24-10:24	9:24-10:24	9:24-10:24	9:24-10:24
KDKA	Pittsburgh, Pa.	309.1	6:30- 9:55	4:00- 8:45	6:30- 9:55	6:30-12:35	6:30- 9:55	6:30-12:00	6:30-11:05
KFAB	Lincoln, Nebr.	340.7	6:30- 3:00	5:00-12:00	6:30-11:30	6:30-11:30	6:30-11:30	Silent	6:30-11:30
KFDM	Beaumont, Texas	315.6	Silent	9:00-10:00	Silent	9:00-11:00	Silent	Silent	9:00-11:00
KFH	Wichita, Kan.	268	8:00- 9:00	8:15- 9:15	8:00- 9:00	8:00- 9:00	8:00- 9:00	8:00- 9:00	8:00- 9:00
KFI	Los Angeles, Calif.	467	9:00- 6:00	7:00- 2:00	9:00- 2:00	9:00- 2:00	9:00- 2:00	9:00- 2:00	9:00- 2:00
KFJF	Okla. City, Okla.	260.7	7:00- 2:30	3:30-12:45	7:00-11:45	7:00-11:45	7:00-11:45	7:00-11:45	7:00-11:45
KFKX	Hastings, Nebr.	288.3	6:30- 7:30	Silent	6:30-12:00	6:30- 9:00	6:30-12:00	6:30- 9:00	6:30-12:00
KFMX	Northfield, Minn.	336.9	Silent	8:00- 9:00	Silent	10:30-11:00	10:00-11:00	Silent	11:00-12:00
KFNF	Shenandoah, Ia.	263	8:00- 1:00	3:30- 9:30	8:00-10:00	8:00-10:00	8:00-10:00	8:00-10:00	8:00-10:00
KFOA	Seattle, Wash.	454.3	12:30- 2:00	Silent	10:00- 1:00	9:00- 2:00	10:00- 1:00	Silent	9:00- 2:00
KFON	Long Beach, Calif.	232.4	9:30- 3:00	9:30- 1:00	9:30- 3:00	9:30- 2:00	9:30- 2:00	9:30- 3:00	9:30- 3:00
KFQB	Fort Worth, Tex.	508.2	9:30-10:30	4:00- 9:30	9:30-10:30	9:30-10:30	Silent	9:30-10:30	9:30-10:30
KFRU	Columbia, Mo.	499.7	Silent	8:30- 9:30	7:15- 8:15	7:15- 8:15	10:00-12:00	7:15- 8:15	7:00- 3:00
KFUO	St. Louis, Mo.	545.1	8:45- 9:45	10:15-11:15	9:00-10:00	7:30- 8:30	10:15-11:15	Silent	10:30-11:30
KFVE	Univ'ty City, Mo.	240	10:15-11:15	Silent	10:15-11:15	10:15-11:15	10:15-11:15	Silent	10:15-11:15
KFWA	Ogden, Utah	260.7	11:00- 1:00	Silent	11:00- 1:00	Silent	11:00- 1:00	Silent	11:00- 1:00
KFWB	Hollywood, Calif.	252	9:30- 2:00	12:00- 2:00	9:30- 2:00	9:30- 2:00	9:30- 2:00	9:30- 2:00	9:30- 2:00
KFWI	San Francis., Calif.	226	Silent	11:00- 3:00	11:00- 3:00	Silent	11:00- 4:00	1:00- 3:00	11:00- 4:00
KFXF	Colorado Springs	250	11:00- 1:00	Silent	10:30-12:30	10:30-12:30	Silent	11:00- 1:00	11:00- 1:00
KGO	Oakland, Calif.	361.2	11:10- 3:00	6:30-11:30	9:00- 1:00	9:00- 3:00	9:00- 9:55	11:00- 3:30	9:00- 9:55
KGW	Portland, Ore.	491.5	9:00- 3:00	10:30- 1:00	9:00- 3:00	9:00- 3:00	9:00- 2:00	9:00- 3:00	9:00- 3:00
KHJ	Los Angeles, Cal.	405.2	10:30- 1:00	7:00- 1:00	Silent	10:45- 1:00	11:00- 1:30	10:45- 1:00	10:30- 1:00
KIAF	Sihtipok, Minn.	421	Silent	3:00- 4:00	8:00- 9:00	Silent	8:00- 9:00	Silent	8:00- 9:00
KJR	Seattle, Wash.	384.4	11:30- 1:00	8:00- 1:30	10:00- 1:00	10:00- 1:00	10:00- 1:00	10:00- 3:00	10:00- 1:00
KLDS	Independence, Mo.	440.9	9:00-10:00	7:30-11:00	Silent	9:00-12:59	Silent	9:00-10:00	Silent
KLX	Oakland, Calif.	508.2	10:00-10:30	Silent	9:30- 1:30	10:00-10:30	9:30- 1:30	10:00-10:30	9:30- 1:30
KMA	Shenandoah, Iowa	252	7:00-12:00	5:00- 7:00	7:00-12:00	7:00-12:00	7:00-12:00	7:00-12:00	7:00-12:00
KMMJ	Clay Center, Neb.	229	9:00-10:00	9:45-10:45	9:00-10:00	9:00-10:00	Silent	9:00-10:00	9:00-10:00
KMOX	St. Louis, Mo.	280.2	7:00-12:00	10:00-11:00	7:00-12:00	7:00-12:00	7:00-12:00	Silent	7:00-12:00
KNX	Hollywood, Calif.	336.9	9:00- 5:00	9:30- 1:30	9:30- 3:00	9:30- 3:00	9:30- 3:00	9:30- 3:00	9:30- 3:00
KOA	Denver, Colo.	322.4	11:00- 1:00	7:00-10:10	8:30-12:15	8:30-10:30	8:30- 2:00	8:30- 9:30	8:30-11:00
KOB	StateCollege, N.M	348.6	Silent	Silent	9:30-10:30	Silent	Silent	Silent	9:30-10:30
KOIL	Council Bluffs, Ia.	278	8:00- 4:00	8:00- 1:00	7:00- 1:00	7:00- 1:00	7:00- 8:15	7:00- 1:00	7:00- 1:00
KPO	San Francisco, Cal.	428.3	9:30- 3:00	9:00- 1:00	9:00- 2:00	9:30- 2:00	9:30- 2:00	9:30- 2:00	9:30- 3:00
KPRC	Houston, Texas	296.9	8:30-12:00	8:00- 1:00	7:30-11:30	8:30-11:00	7:30- 1:00	8:00-11:00	Silent
KPSN	Pasadena, Cal.	315.6	11:00- 1:00	11:45-12:45	Silent	11:00-12:00	Silent	11:00-12:00	Silent
KSD	St. Louis, Mo.	545.1	8:00-11:00	6:15- 9:15	9:00-12:00	7:00-10:30	7:00- 9:00	8:00-10:00	8:00-10:00
KSL	Salt Lake City, U.	299.8	10:00- 1:00	9:30-12:00	9:00- 1:00	9:00-12:30	9:30- 1:00	9:30- 1:00	9:30-12:00
KSO	Clarinda, Ia.	241.8	Silent	Silent	8:00- 9:00	8:00-10:00	8:00- 9:30	8:00-10:00	8:00- 9:30
KTAB	Oakland, Calif.	240	Silent	10:45-12:15	11:00- 1:00	11:00- 1:00	11:00- 1:00	12:00- 3:00	11:00- 1:00
KTBI	Los Angeles, Cal.	293.9	Silent	10:15-12:30	Silent	11:00-12:00	Silent	11:00-12:00	Silent
KTCL	Seattle, Wash	305.9	Silent	12:10- 9:10	10:00-11:00	11:00-12:00	Silent	Silent	10:00- 3:00
KTHS	Hot Springs, Ark.	374.8	10:00-12:15	10:00-12:30	10:00- 1:15	10:00-11:30	10:00-11:45	10:00-11:30	10:00-12:00
KTW	Seattle, Wash.	455	9:30-10:30	Silent	Silent	9:30-10:30	Silent	9:30-10:30	Silent
KUOA	Fayetteville, Ark.	299.8	Silent	Silent	8:30-10:00	9:00-10:00	Silent	9:00-10:30	Silent
KWKH	Shreveport, La.	329.5	10:00- 1:00	8:00-12:00	10:00-12:30	10:00- 1:00	Silent	9:00-10:30	Silent
KWSC	Pullman, Wash.	348.6	Silent	Silent	10:30-12:00	Silent	10:30-12:00	Silent	10:30-12:00
KWWG	Brownsville, Tex.	278	7:00- 8:00	Silent	9:30-10:30	7:00- 8:00	7:00- 8:00	7:00- 8:00	7:00- 8:00
KYW	Chicago, Ill.	535.4	6:00-12:00	4:30-11:00	Silent	6:00-12:00	6:00-10:00	6:00-12:00	6:00-10:00
NAA	Radio, Va.	434.5	Silent	Silent	7:45- 8:00	7:45- 8:00	7:25- 8:40	7:45- 8:00	7:45- 8:00
PWX	Havana, Cuba	400	8:30-11:00	8:00-10:15	8:30-11:00	8:30-11:30	8:00-10:15	Silent	Silent
WADC	Akron, Ohio	258	6:30- 7:30	6:30- 7:30	6:30- 2:00	6:30-11:30	6:30- 7:30	6:30-10:00	6:30-11:00
WAHG	Richmond, N. Y.	315.6	11:00- 1:00	Silent	6:30- 1:00	Silent	6:30-11:00	Silent	7:00-10:00
WAIU	Columbus, Ohio	293.9	9:15-11:00	3:00- 4:00	6:00-11:30	6:00-12:00	6:00- 7:00	6:00- 7:00	6:00-12:00
WAMD	Minneapolis, Minn.	244	7:15-11:30	8:00-11:00	8:00- 1:00	Silent	8:00- 1:00	7:15- 1:00	7:15- 1:00
WBAL	Baltimore, Md.	246	Silent	6:30- 8:30	6:30-10:00	6:30-10:00	Silent	6:00-10:00	6:30-11:00
WBAP	Fort Worth, Tex.	475.9	8:30-12:00	6:00-12:00	8:30- 1:30	8:30-12:00	Silent	8:30-12:00	8:30-12:00
WBAR	Sisiht, Wis.	406	Silent	11:00-12:00	10:00-11:00	Silent	9:00-10:00	8:30- 9:30	Silent
WBBM	Chicago, Ill.	226	8:00- 2:00	4:00- 2:00	6:00- 7:00	8:00-12:00	8:00- 2:00	8:00-12:00	8:00-11:00
WBBR	Staten Island, N.Y	272.6	7:00- 9:00	8:00- 9:15	7:00- 8:00	Silent	Silent	7:00- 8:00	Silent
WBCN	Chicago, Ill.	266	9:00- 1:00	5:00-12:00	Silent	9:00- 1:00	8:00-12:00	9:00- 2:00	9:00- 1:00
WBPI	New York, N. Y.	263	5:00-10:45	Silent	5:00-10:00	5:00-10:00	5:00-10:00	5:00- 6:00	5:00-10:00
WBZ	Springfield, Mass.	333.1	6:15- 9:00	5:00- 8:00	6:00-10:00	6:15-10:00	6:00-10:00	6:00-10:00	6:00-10:00
WCAE	Pittsburgh, Pa.	461.3	5:30- 8:30	4:00- 9:15	7:00-11:05	7:00-10:05	7:00-10:00	7:00-11:00	7:00-11:00
WCAP	Washington, D. C.	468.5	Silent	6:00-10:15	7:00-11:00	Silent	7:00-11:00	Silent	6:00-12:30
WCAU	Philadelphia Pa.	278	Silent	4:00-10:00	6:30-10:00	5:30-10:30	6:30-11:00	5:30-11:30	5:45-10:30
WCBD	Zion, Ill.	344.6	Silent	8:00-10:30	Silent	8:00-10:30	Silent	8:00-10:30	Silent
WCCO	Minn-St. P., Minn	416.4	7:15-12:05	5:10-11:35	7:15-11:00	7:00-11:30	7:00- 1:30	7:15-12:05	7:15-12:05
WCOA	Pensacola, Fla.	222	12:00- 1:00	Silent	7:30- 8:30	Silent	7:30- 8:30	Silent	7:30- 8:30
WCX	Detroit, Mich.	516.9	6:00- 7:00	7:15- 8:15	6:00- 9:00	6:00-11:00	6:00- 9:00	6:00- 9:00	6:00-10:00
WDAF	Kansas City, Mo.	365.6	7:00- 2:00	5:00- 5:45	7:00- 2:00	7:00- 2:00	7:00- 2:00	7:00- 2:00	7:00- 2:00
WDBO	Winter Park, Fla.	240	9:00-10:30	5:00- 6:00	9:00-10:30	9:30-11:00	9:00-10:30	9:00-10:30	9:00-10:30
WDWF	Providence, R. I.	440.9	Silent	Silent	Silent	6:45- 7:00	6:45- 7:00	6:45- 7:00	6:45- 7:00
WEAF	New York, N. Y.	491.5	5:00-11:00	2:00- 9:15	5:00-11:00	5:00-11:00	5:00-11:00	5:00-11:00	5:00-11:00
WEAN	Providence, R. I.	270.1	5:30- 9:30	6:30- 7:45	5:30- 9:30	5:30- 9:30	5:30- 9:30	5:30- 9:30	Silent
WEAO	Columbus, Ohio	293.9	Silent	Silent	Silent	7:00- 9:00	8:00- 9:00	8:00-11:00	Silent
WEBH	Chicago, Ill.	370.2	7:00- 2:00	5:00- 9:00	Silent	7:00-12:30	7:00-12:30	7:00-12:30	7:00-12:30
WEBJ	New York, N. Y.	272.6	Silent	Silent	Silent	7:00- 9:00	7:00- 9:00	Silent	7:00- 9:00
WEEI	Boston, Mass.	348.6	6:10-10:00	5:00- 9:15	5:45-10:30	6:30-10:30	5:13-10:00	6:30-10:00	6:30-10:00
WEMC	BerrienSpgs., Mich.	285.5	Silent	8:15-10:10	8:15- 9:15	Silent	8:15- 9:15	Silent	Silent
WENR	Chicago, Ill.	266	6:00- 2:00	2:00-12:00	Silent	6:00-10:00	7:00- 2:00	6:00-10:00	6:00- 2:00
WFAA	Dallas, Tex.	475.9	7:30- 1:00	7:00- 1:00	7:30-10:30	7:30- 1:00	Silent	7:30-10:30	7:30-10:30
WFBH	New York, N. Y.	272.6	10:30- 1:00	4:00-10:00	10:30- 1:00	10:30- 1:00	10:30- 1:00	10:30- 1:00	10:30- 1:00
WFI	Philadelphia, Pa.	394.5	5:30-11:00	3:30- 4:30	6:00- 7:00	5:30-10:30	6:00- 7:00	5:30-10:00	6:00- 7:00
WGBF	Evansville, Ind.	236.1	Silent	Silent	Silent	8:15-11:00	Silent	Silent	8:00- 9:00
WGBS	New York, N. Y.	315.6	5:00-10:30	7:00- 8:00	6:00- 6:15	5:00-10:30	5:00- 7:30	5:00- 7:45	Silent
WGBU	Fulford, Fla.	278	6:30- 1:00	9:30-12:00	6:30- 1:00	6:30- 1:00	6:30- 1:00	6:30- 1:00	6:30- 1:00
WGCP	New York, N. Y.	252	7:30-11:00	2:00- 5:00	8:00-10:30	Silent	6:00- 8:15	9:30-12:00	6:00- 8:10
WGES	Chicago, Ill.	250	5:00- 1:00	5:00- 2:00	5:00- 7:00	5:00- 1:00	5:00- 1:00	5:00- 1:00	5:00- 1:00
WGHB	Clearwater, Fla.	266	6:30- 1:00	Silent	6:30- 1:00	6:30- 1:00	6:30- 1:00	6:30- 1:00	6:30- 1:00
WGHP	Detroit, Mich.	270	Silent	Silent	6:00- 1:00	6:00- 1:00	6:00- 1:00	6:00- 1:00	6:00- 1:00
WGN	Chicago, Ill.	302.8	6:55-11:00	6:45-11:00	Silent	6:55-11:00	6:55-11:00	6:00-11:00	6:00-11:00
WGR	Buffalo, N. Y.	319	Silent	5:00- 9:15	5:30-11:00	5:30- 8:00	5:30-11:00	5:30- 9:00	5:30-11:00
WGY	Schenectady, N. Y.	379.5	5:30-10:30	3:00-11:00	6:30- 9:00	6:45-10:00	6:35- 9:05	6:45-11:30	6:00-11:00
WHA	Madison, Wis.	535.4	Silent	Silent	9:00-10:00	Silent	9:00-10:00	Silent	9:00-10:00
WHAD	Milwaukee, Wis.	275.1	Silent	4:15- 5:15	7:15-11:00	7:15- 8:00	7:15- 1:30	7:15- 8:00	7:15-11:00
WHAR	Atlantic City, N.J.	275.1	6:30- 8:00	6:50- 9:00	6:30-11:00	6:30- 8:00	Silent	6:30-11:00	6:30- 8:00
WHAS	Louisville, Ky.	399.8	8:30-10:00	5:30- 6:30	Silent	8:30-10:30	8:30-10:00	8:30-10:00	8:30-10:00
WHAZ	Troy, N. Y.	379.5	Silent	Silent	9:00-12:00	Silent	Silent	Silent	Silent
WHB	Kansas City, Mo.	365.6	Silent	9:00- 2:00	8:00- 9:00	8:00-11:00	8:00- 9:00	8:00-11:00	8:00- 9:00
WHN	New York, N. Y.	361.2	Silent	2:00-11:30	5:30-11:30	5:00-12:00	5:00-12:00	5:00-12:00	5:00-12:00
WHO	Des Moines, Ia.	526	Silent	6:00- 1:00	8:30- 1:00	8:30- 1:00	7:00- 1:00	8:30- 1:00	8:30- 1:00
WHT	Chicago, Ill.	399.8	7:00- 1:00	7:00- 1:00	Silent	7:00- 1:00	7:00- 1:00	7:00- 1:00	7:00- 1:00
WIBO	Chicago, Ill.	226	6:00- 8:00	6:00-12:00	Silent	6:00- 2:00	6:00-12:00	6:00- 2:00	6:00- 2:00
WIP	Philadelphia, Pa.	508.2	5:05-11:05	3:00- 9:30	5:05- 7:00	5:05-11:00	5:05- 7:00	5:05-11:00	5:05- 7:00
WJAR	Providence, R. I.	305.9	Silent	6:20- 9:15	6:45-10:00	6:30- 9:00	6:30-10:00	6:45-10:00	7:00-11:00
WJAS	Pittsburgh, Pa.	275.3	7:00-12:00	Silent	7:00-12:00	7:00-12:00	7:00-12:00	8:00-12:00	7:00-12:00
WJAX	Jacksonville, Fla.	336.9	8:00-10:00	7:30- 8:30	8:00-10:00	8:00-12:00	8:00-10:00	8:00-12:00	8:00-10:00
WJAZ	Chicago, Ill.	329.5	Silent	Silent	Silent	Silent	Silent	11:00- 1:00	Silent
WJJD	Mooseheart, Ill.	370.2	5:30- 1:00	3:00- 4:00	Silent	5:30- 1:00	5:30- 1:00	5:30- 1:00	5:30- 1:00
WJR	Pontiac, Mich.	516.9	7:00-12:30	Silent	7:00-12:30	7:00-10:00	7:00-12:30	7:00-11:00	7:00-10:00
WJZ	New York, N. Y.	454.3	6:00- 9:25	1:30-10:30	6:00-10:45	6:30-10:45	6:00-10:45	6:00-11:00	6:00-11:00
WKAQ	San Juan, P. R.	340.7	Silent	Silent	Silent	Silent	7:00- 9:00	7:00- 9:00	7:00- 9:00
WKAR	Lansing, Mich.	285.5	Silent	Silent	7:15- 9:00	7:00- 8:00	7:00- 9:00	7:00- 8:00	7:15- 9:00
WKRC	Cincinnati, O.	422.3	10:00-11:15	5:45-11:15	5:00-12:00	9:00-11:45	5:00-12:00	9:00-11:15	Silent
WLIB	Chicago, Ill.	302.8	7:00-12:30	5:00- 6:15	Silent	7:00-12:30	7:00-12:30	7:00-12:30	7:00-12:00
WLIT	Philadelphia, Pa.	394.5	6:30- 7:30	5:30- 7:00	7:15- 9:45	6:50- 7:50	7:00-10:00	6:30- 7:30	8:30-12:00
WLS	Chicago, Ill.	344.6	7:30-12:00	6:00- 7:55	Silent	6:40- 7:55	6:40- 1:00	6:40- 7:55	6:40-11:00
WLW	Cincinnati, O.	422.3	7:00-10:00	1:00- 9:30	7:00-11:00	6:00-10:00	7:00-12:00	7:00- 1:15	Silent
WLWL	New York, N. Y.	288.3	Silent	6:00- 7:00	7:00- 9:00	Silent	Silent	7:00- 9:00	Silent
WMAK	Buffalo, N. Y.	265.5	5:15-10:00	6:30- 7:30	6:30-10:00	5:15- 6:15	6:30- 9:00	6:15- 7:00	Silent
WMAQ	Chicago, Ill.	447.5	6:00-10:00	Silent	Silent	6:00- 9:55	6:00- 9:55	6:00- 9:00	6:00- 9:55
WMAZ	Macon, Ga.	260.7	Silent	Silent	10:00-11:00	8:00- 9:00	11:00-12:00	10:00-11:00	8:00-11:00
WMBB	Chicago, Ill.	250	7:00-11:00	3:00-11:00	Silent	7:00-11:00	7:00-11:00	7:00-11:00	7:00-11:00
WMBF	Miami Beach, Fla.	384.4	7:00- 1:00	7:00- 1:00	7:00- 1:00	7:00- 1:00	7:00- 1:00	7:00- 1:00	7:00- 1:00
WMC	Memphis, Tenn.	499.7	8:15-10:30	Silent	8:15-10:00	8:15- 1:00	Silent	8:15-10:45	8:15- 1:00
WMCA	New York, N. Y.	340.7	8:00-12:00	6:00- 9:00	8:00-11:00	7:00-11:00	8:00-11:00	8:00-11:00	7:00-10:45
WNAC	Boston, Mass.	280.2	5:00-10:00	2:15- 7:45	5:30- 9:45	5:00- 8:00	5:00- 9:00	5:00- 8:00	5:00-10:00
WNYC	New York, N. Y.	526	6:00- 9:30	8:00-10:00	6:35- 9:30	6:10-10:30	6:30- 9:30	6:35- 9:30	6:30- 9:30

Call	Location	Met.	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday
WOAI	San Antonio, Tex.	394.5	Silent	8:30-11:30	Silent	9:30-10:30	9:30-10:30	Silent	9:30-10:30
WOAN	Lawrenceb'g, Tenn.	282.8	Silent	10:00-11:00	10:00- 2:30	10:00-11:00	10:00-11:00	10:00-11:00	10:00-11:00
WOAW	Omaha, Nebr.	526	7:00- 1:00	7:00-10:00	7:00-11:00	7:00- 2:00	Silent	7:00- 2:00	7:00-12:15
WOAX	Trenton, N. J.	240	Silent	8:30-10:30	Silent	Silent	Silent	Silent	Silent
WOC	Davenport, Ia.	483.6	10:00-11:00	7:30-12:30	Silent	7:00-11:00	7:00-11:30	7:00- 1:00	8:30-12:00
WOI	Ames, Ia.	270.1	Silent	Silent	Silent	Silent	Silent	8:05- 9:30	Silent
WOK	Homewood, Ill.	217.3	10:00- 1:00	7:00- 1:00	Silent	10:00- 1:30	10:00- 1:30	10:00- 1:30	10:00- 1:30
WOO	Philadelphia, Pa.	508.2	6:30- 7:30	5:00- 6:00	6:30-11:00	6:30- 7:30	6:30-10:30	6:30- 7:30	6:30-10:30
WOOD	Grand Rapids, Mch.	242	10:00- 1:00	Silent	10:00- 2:00	10:00- 1:00	10:00- 1:00	Silent	10:00- 1:00
WOQ	Kansas City, Mo.	278	9:00-12:00	9:00-10:15	Silent	9:00-10:00	Silent	8:00-10:00	Silent
WOR	Newark, N. J.	405.2	5:15-11:00	Silent	5:15-11:00	5:15- 7:00	5:15-10:30	5:15- 7:20	5:15- 7:00
WORD	Batavia, Ill.	275	7:00-10:25	2:30-10:00	Silent	7:00-12:45	7:00-12:00	7:00-10:00	7:00-12:45
WOS	Jefferson City, Mo	440.9	Silent	6:00- 9:30	9:00-11:00	Silent	9:00-11:00	Silent	9:00-11:00
WPG	Atlantic City, N.J	299.8	5:45-11:00	2:15-10:00	5:45-11:00	5:45-11:00	Silent	5:45-11:00	5:45-11:00
WQJ	Chicago, Ill.	447.5	7:00- 3:00	3:00-10:00	Silent	7:00- 2:00	7:00- 2:00	7:00- 2:00	7:00- 2:00
WRC	Washington, D. C.	468.5	7:00-12:00	Silent	Silent	7:00-11:30	Silent	7:00-12:30	Silent
WREO	Lansing, Mich.	285.5	10:00-12:00	Silent	Silent	8:15-10:00	Silent	8:15-10:00	Silent
WRVA	Richmond, Va.	256	Silent	Silent	8:00-11:00	11:00- 1:00	8:00-11:00	8:00-11:00	7:00-11:00
WRW	Tarrytown, N. Y.	273	7:00-10:30	7:00-10:30	8:00-10:30	8:00-10:30	8:00-10:30	8:00-10:30	8:00-10:30
WSAI	Cincinnati, O.	325.9	7:00-12:00	7:45- 9:15	10:00-12:00	6:00-10:00	6:45-11:15	7:00-10:00	Silent
WSB	Atlanta, Ga.	428.3	9:00- 1:00	8:30-10:15	9:00- 1:00	9:00- 1:00	11:45- 1:00	9:00- 1:00	9:00- 1:00
WSBC	Chicago, Ill.	209.7	6:30- 4:00	6:30- 1:00	6:30- 7:00	6:30- 1:00	6:30- 1:00	6:30- 1:00	6:30- 1:00
WSM	Nashville, Tenn.	282.8	8:00- 1:00	8:30-10:00	7:30-12:00	11:00- 1:00	7:30- 1:00	Silent	7:00-12:00
WSMB	New Orleans, La.	319	9:30-11:30	Silent	9:30-12:30	Silent	9:30-11:30	9:30-12:00	Silent
WSUI	Iowa City, Ia.	483.6	Silent	10:15-10:45	8:30-10:00	Silent	Silent	Silent	Silent
WSWS	Chicago, Ill.	275.1	6:00-11:00	6:00-11:00	Silent	6:00-11:00	6:00-11:00	6:00-12:00	6:00-12:00
WTAG	Worcester, Mass.	268	Silent	3:00- 9:15	6:00-10:00	6:45-10:00	6:40-10:00	7:00-10:00	7:15- 9:30
WTAM	Cleveland, O.	389.4	6:00-12:00	Silent	6:00- 1:00	6:00- 7:00	6:00- 1:00	6:00- 7:00	6:00- 7:00
WTIC	Hartford, Conn.	475.9	6:30-12:00	5:00-10:30	6:50-12:00	Silent	6:30-10:30	6:30- 7:30	6:30-12:00
WWJ	Detroit, Mich.	352.7	Silent	2:00- 9:15	6:00-10:00	6:00- 8:00	6:00-10:00	6:00-12:30	6:00-10:00

STATIONS IN ORDER OF WAVE LENGTHS

Meters	Call	Meters	Call	Meters	Call	Meters	Call	Meters	Call	Meters	Call
209.7	WSBC	263	WBPI	285.5	WKAR	336.9	WJAX	394.5	WOAI	468.5	WRC
217.3	WOK	265.6	WMAK	285.5	WREO	340.7	KFAB	399.8	WHAS	475.9	WBAP
222	WCOA	266	WBCN	288.3	KFKX	340.7	WKAQ	399.8	WHT	475.9	WTIC
226	KFWI	266	WGHB	288.3	WLWL	340.7	WMCA	400	PWX	475.9	WFAA
226	WBBM	268	KFH	293.9	KTBI	344.6	WCBD	405.2	KHJ	480	CYL
226	WIBO	268	WTAG	293.9	WAIU	344.6	WLS	405.2	WOR	483.6	WOC
229	KMMJ	270.1	WEAN	293.9	WEAO	348.6	KOB	406	WBAR	483.6	WSUI
232.4	KFON	270.1	WGHP	296.9	KPRC	348.6	KWSC	410.7	CKAC	491.5	KGW
236.1	WGBF	270.1	WOI	299.8	KUOA	348.6	WEEI	416.4	WCCO	491.5	WEAF
240	KFVE	272.3	KWKH	299.8	KSL	350	CZE	421	KIAF	499.7	KFRU
240	KTAB	272.6	WBBR	299.8	WPG	352.7	WWJ	422.3	WLW	499.7	WMC
240	WDBO	272.6	WEBJ	302.8	WGN	356.9	CFCA	422.3	WKRC	502.8	KFQB
240	WOAX	272.6	WFBH	302.8	WLIB	356.9	CKCL	428.3	WSB	508.2	KLX
242	KSO	273	WRW	305.9	KTCL	356.9	CKNC	428.3	KPO	508.2	WIP
242	WOOD	275.1	WHAD	305.9	WJAR	361.2	KGO	434.5	CNRO	508.2	WOO
244	WAMD	275.1	WHAR	309.1	KDKA	361.2	WHN	434.5	CFCN	516.9	CJCA
246	WBAL	275.1	WORD	315.6	KFDM	365.6	WDAF	434.5	NAA	516.9	WCX
250	KFXF	275.1	WSWS	315.6	KPSN	365.6	WHB	435	AT9	516.9	WJR
250	WGES	275.3	WJAS	315.6	WAHG	370.2	WEBH	440.9	KLDS	526	WHO
250	WMBB	278	KOIL	315.6	WGBS	370.2	WJJD	440.9	WDWF	526	WNYC
252	KFWB	278	KWWG	319	WGR	374.8	KTHS	440.9	WOS	526	WOAW
252	KMA	278	WCAU	319	WSMB	379.5	WGY	447.5	WMAQ	535.4	KYW
252	WGCP	278	WGBU	322.4	KOA	379.5	WHAZ	447.5	WQJ	535.4	WHA
256	WRVA	278	WOQ	325.9	WSAI	384.4	CKY	454.3	KFOA	545.1	KFUO
258	WADC	280.2	KMOX	329.5	KWKH	384.4	KJR	454.3	WJZ	545.1	KSD
260.7	KFWA	280.2	WNAC	329.5	WJAZ	384.4	WMBF	455	KTW		
260.7	KFJF	282.8	WOAN	333.1	WBZ	389.4	WTAM	461.3	WCAE		
260.7	WMAZ	282.8	WSM	336.9	KNX	394.5	WFI	467	KFI		
263	KFNF	285.5	WEMC	336.9	KFMX	394.5	WLIT	468.5	WCAP		

SHORT WAVES

By Marcella

(Continued from page 2)

over KYW every Tuesday and Thursday night between 9:30 and 11 Central time. I don't know who is doing the 6 a. m. announcing at WFAA but have written to learn. Incidentally, Tommy Malie and Jimmy Steiger are also on KYW at the same time. It's a good program. Eddie and Fanny are also doing quite a bit of vaudeville work.

* *

"Big Bad Bill" Goodrich, of Missouri Valley, Ia., piano pounder and warbler at WOAW, is called what he is because he is anything but. This in answer to Elizabeth Ann, Jeanette, et al. Description; height, 5 feet 8 inches; weight, about 150 pounds; eyes, brown; hair, brown; degree of pulchritude, good looking; hobbies, motion pictures and Jack Little's trills; personality, plus; matrimonial condition, single. I'm sure he didn't mean to swear, but most men will occasionally, you know, Elizabeth.

* *

Has Graham McNamee a family? Only a charming wife, Kay-tee. Harold Isbell is married to a very good looking wife whom he adores deeply. He is good looking, has curly black hair and is a neat dresser. For the benefit of G. W., I will add that Mr. Isbell has taken leave of KYW and gone back to Los Angeles, this time to work for KNX. Herbie Mintz may be heard on WENR's afternoon programs. These he directs.

* *

PAGING: Coleman Getts, once at WTAS, Elgin; Vernon Buck, singer for Witmark at one time; Joe White, tenor, who about two years ago was singing over WEAF and WOR. Any late news about the gentlemen will be greatly appreciated by your humble servant.

* *

What deep secret would you like to know about your favorite broadcast star? Drop me a note, girls and boys, and I'll do my best to answer here. MARCELLA.

OLD STATIC'S FUNERAL

(Continued from page 10)

The composite result was such as to make your choice of aerials quite that of "Hobson." In other words, with the elevated system, both static and extrème volume was to be had; with the underground, diminished volume and a pleasing absence of annoying static or disrupting discharge effects were obtained.

One experiment used with this installation which assisted in the determination of the relative values of each antenna, was the insertion with a multiple tap switch of three .00025 mfd. fixed condensers in the aerial lead-in wire to the receiver. This was so arranged that either the elevated aerial or the underground system could be brought into this switching arrangement and made to pass through either one, two or the three of the fixed condensers in series. After a fashion this was equivalent to changing the fundamental of the aerial in use. From this arrangement it was passed on to a 10-turn primary coil (or directly to the aerial binding post) which was placed upon a rotor within the secondary input to the first tube and made variable.

The combination of the two resulted in securing not only the desired selectivity but control of the received energy. The scheme is shown in figure 5 while figure 6 gives the values which were used. This plan is not offered as new, yet the writer believes that many have not seen or used it. Hence it is offered not only as a most practical scheme but one which would materially improve the selectivity of a great many receivers irrespective of the kind of aerial with which they are used.

In order that many of you may have an opportunity to determine results with the underground system shown, the next article of this series will discuss and offer a type or several types of the so-called horizontal aerial.

There has been very little research work done with such receptors. That reported to the writer's knowledge only covers short wave reception and transmission of the 40 to 100-meter class. Suggestions covering reception upon the broadcast band will be presented both in underground, semi-underground and elevated horizontal types.

The field offers so much of interest and yet possesses so little which may be used as precedent that it is hoped the matter presented will serve as the nucleous for much added constructive experimentation.

In closing, the author wishes to state that through an error the underground aerial system shown in the first May issue was credited to Mr. Guyer. Radio Digest is pleased to apologize to Mr. Edward Jones, of New Orleans, who was the originator of and holds a patent covering this idea.

(Horizontal aerials will be described by Mr. Gurney in his next article which, however, will not appear next issue. In the interim, we suggest that readers experiment with the buried antenna and make known to the author the results of their work.—Editor's Note.)

BETTY'S SCHOOL ENDS FOR SUMMER PERIOD

HOME EXPERT WILL PROBABLY BE ON AIR IN FALL

Mail Reveals Wide and Varied Audience of Gold Medal Talks—Queer Incidents Related

Have you heard, and do you regularly listen for Betty Crocker's Radio talks? Miss Crocker is nationally known as a home food specialist who is broadcasting from a dozen of the country's largest stations. By special arrangement Radio Digest has secured a series of exclusive articles by Miss Crocker dealing with her current Radio talks. These broadcasts are made through WEEI, WEAF, WCAE, WGR, WEAR, WWJ, WDAF, WJAR, WHT, WFI, KSD, KFI, and WCCO, the Gold Medal station at Minneapolis-St. Paul. All of Miss Crocker's recipes and discussions are based upon actual investigations and work of herself and her assistants in model kitchens.—Editor's Note.

By Betty Crocker

FOR the past five months I have had the privilege of talking to you through the medium of the Radio Digest, as well as from thirteen of the larger broadcasting stations in the United States. On May 14, I broadcast my last talk of the season, and consequently this is my final article for my friends among readers of the Radio Digest. I hope, however, that I can meet with you either over the air or through this publication again next fall. My plans have not been definitely arranged as yet for next year, and for that reason I cannot commit myself.

Whether I continue with these articles and my Radio talks will depend a good deal on an investigation of mail I have received during the past year in an effort to determine whether or not my talks may have been of real assistance to you. While the lecturer, actor or concert singer may meet many of his or her audience personally, we of the Radio must get our applause via Uncle Sam's mail.

Even Young Lad Enrolls

I have been very happy over the letters you have sent me. Some of the readers of the Radio Digest who were not in territories covered by my broadcasting have even sent me samples of dishes they have prepared from my recipes, as well as suggestions which have been of great assistance to me in my work. I assure you that I appreciated them all.

I wish I had the time and the space to tell you of all the interesting letters I have received. I would like to cite a few which came recently. A little twelve-year-old boy in Pennsylvania wrote me that he had enrolled for one of the cooking schools despite the fact that one of his boy friends called him a "sissy." He said that he advised the other youngster that if he would learn to cook, he would not have to run around to the neighbors' houses to find his mother when he wanted dinner. He asserted that it was nothing to be ashamed of for a boy to know how to cook.

Invalid Makes All Dishes

A woman in Connecticut wrote me that she had made all of the recipes which I had given out, from a wheel chair, and I am happy to say that she qualified to receive a diploma in our third cooking school.

A new type of Radio party was originated by a friend of mine in Kansas City, Mo. She planned what she called a Betty Crocker dinner for her friends. The invitation consisted of calling each of the guests-to-be on the telephone and then blowing into the phone as they removed the receiver. She then asked, "Hello, did you get that? Well, it was air. It was an invitation for yourself and husband to an Air Dinner to be given on such and such a date."

I was particularly gratified with a report from a young married woman in Massachusetts. Before her marriage, she said, she was a professional woman to whom cooking and housekeeping in general seemed a very lowly duty. Marriage, she said, did not change her views. Instead of taking pleasure in her work at home, she longed to be out "doing something." Last fall, she said, she began to listen to my Radio talks and to try the recipes. She had good results, became interested, and now says that when she is out with a group of women she can talk recipes, cooking, and homework as enthusiastically as any of them.

Man Turns Cook; Surprises Wife

All of my mail, however, did not come from the gentler sex. A man in Wausau, N. Y., wrote me that while confined to his home with grippe recently he tuned in on the Radio just in time to hear me giving a recipe for Orange Cake. His wife was downtown, so he decided to copy the directions. He became so interested in it, he said, that he determined to try his hand at baking, something he had never attempted before in his life. When his wife came home, he said she was very much surprised to find a nice orange cake awaiting her, and he declares that if he ever decides to become a cook, he will take his instructions over the Radio.

My letters have come from women of all ages and classes, from invalids, from the blind, women in the cities, and women on the farms. Even the wife of one lighthouse keeper on the Atlantic coast has been one of my listeners.

In all of my talks and recipes I have tried to give you something practical, economical, and useful. Many of my most successful recipes have been developed from the suggestions sent in to me by the listeners to my Radio talks and the readers of this publication.

As I said before, I cannot state definitely what the plans for next year will be, but I surely hope that I will have the privilege of talking to you and writing for you again. If you have not written me before, I will certainly be glad to get at least a card from you.

KYW WOMEN'S HOUR INCLUDES MUSICALE

CHICAGO.—Many items of much interest to women, may be tuned in on the "Women's Hour," from 3 to 4 p. m., Central time, each Friday afternoon, from Westinghouse Station KYW.

The "Women's Hour" is a broadcast inaugurated some time ago by KYW and includes an assembly of afternoon music, intended to entertain afternoon visitors in the home, as well as other subjects of particular interest to women.

Miss Mary Casey, who is the announcer and conductor of this broadcast, has several well-known Radio personalities on her staff, including Mrs. Anna J. Peterson whose "Table Talks" have become a recognized institution, and John C. Cutting, the "Uncle John" of KYW, who has for some time been broadcasting a daily description of the proper handling of steaks and chops.

"Sunshine Lady" Leads Farmerkinites in Song

WKAR Joy Spreader Has Loyal Following of Children

Smile, smile, a sunny smile.
Smiling all together makes sunshiny weather
Smile, smile, a sunny smile—
Smiling merry sunshine band.

EAST LANSING, Mich.—This is the song of the Sunshine Lady of Station WKAR, located at Michigan State college here, who broadcasts her "Farmerkin" stories to boys and girls of Michigan and other states every Monday evening from 7 to 7:15 o'clock, Eastern Standard time.

The Sunshine song is a parody on "Hail, Hail, the Gang's All Here," and it is one of the many songs and poems that have made her popular with her child listeners.

Last fall Mrs. Stockman began telling bedtime stories over the Radio. She calls them "Farmerkin" stories. They so delighted the children that they are writing her from all over Michigan and telling her how much they enjoy her programs.

APPLY EARLY FOR "MISS RADIO" JOB

Annual Search of Radio World's Fair for Air Queen Is Now on

NEW YORK.—Who is "Miss Radio 1926"? The title and accompanying honors will go to the feminine fan who sends to the Radio World's Fair the most interesting account of her experiences in listening in, together with her opinion as to how broadcasting might best serve the interests of the women of America. A log of stations received should also be submitted.

Last year the silver cup emblematic of highest honors in the Miss Radio contest was won by Rena Jane Frew, a college girl of Beaver, Pa., who had taught Radio to youths in the high school of her city. Hundreds of letters were received testifying to the tremendous interest in Radio displayed by women.

Entries in the competition should be sent, before August 15, to G. Clayton Irwin, Jr., of the Radio World's Fair, 1475 Broadway, New York city.

The winner will be announced a week later and will be guest of honor at the opening of the fair on September 13. Cups will also be given to second and third prize winners.

WOMEN'S PROGRAMS INDEX

Saturday

Atlantic Eastern Central Mountain Pacific
10:30 a.m. 9:30 8:30 7:30 6:30
WWJ (352.7m-850kc) Tonight's dinner.
12 n. 11 10 9 8
WEAO (293.9m-1020kc) Housekeepers' half hour.
WEAR (389.4m-770kc) Home service talk.
WHT (399.8m-750kc) Women's club, Jean Sargent.
WGN (302.8m-990kc), Household hints.
WQJ (447.5m-670kc), Home Economics program; May 15, "Salads from Sunny Lands."
12:30 p.m. 11:30 10:30 9:30 8:30
WGN (302.8m-990kc), Home Management period.
12:35 11:35 10:35 9:35 8:35
KYW (535.4m-560kc), Table talk.
2 1 12 n. 11 10
KGW (491.5m-610kc), Household helps, shopping guide.
KMA (252m-1190kc), Domestic science topics.
2:20 1:20 12:20 11:20 10:20
WGBF (236.1m-1270kc), Garden talk.
6 5 4 3 2
KMOX (280.2m-1190kc), Housewives' hour.

Monday

Atlantic Eastern Central Mountain Pacific
10:30 a.m. 9:30 8:30 7:30 6:30
WWJ (352.7m-850kc), Tonight's dinner.
10:45 9:45 8:45 7:45 6:45
WTAG (268m-1120kc), Marjorie Woodman, nurse.
11:50 10:50 9:50 8:50 7:50
WMC (499.7m-600kc), Home economics discussion, Miss Kitty.
12 n. 11 10 9 8
WEAO (293.9m-1020kc), Housekeepers' half hour.
WEAR (389.4m-770kc), Home service talk.
WHT (399.8m-750kc) Women's club, Jean Sargent.
WQJ (447.5m-670kc), Home economics program, May 17, "The Mysterious Mushroom," "Use and Cultivation of the Domestic Mushroom."
WSWS (275.8m-1090kc), Style shop.
12:30 p.m. 11:30 10:30 9:30 8:30
WEBH (370.2m-810kc), Fashion and household talks.
WGBF (236.1m-1270kc), "Swans Down" cake lessons.
WGN (302.8m-990kc), Home Management period.
WTIC (475.9m-630kc), Housewife's forum.
12:35 11:35 10:35 9:35 8:35
KYW (535.4m-560kc), Table talk.
1:45 12:45 11:45 10:45 9:45
KGW (491.5m-610kc), Household helps.
2 1 12 n. 11 10
WSOE (245.8m-1220kc), Ladies' hour.
2:20 1:20 12:20 11:20 10:20
WGBF (236.1m-1270kc), Garden talk.
2:30 1:30 12:30 11:30 10:30
WGY (379.5m-790kc), Cooking lesson, Jessie Lane.
3:30 2:30 1:30 12:30 11:30
KFNF (263m-1140kc), Mothers' hour.
4 3 2 1 12 n.
WCCO (416.4m-720kc), Women's hour.
WSOE (246m-1220kc), Cooking chats.
WIP (508.2m-590kc), Market hints for housewives.
WJZ (454.3m-660kc), "Your Daily Menu."
WQJ (447.5m-670kc), May 17, "The Care of the Hair and Skin." "Why Husbands Leave Home."
4:15 3:15 2:15 1:15 12:15
WJZ (454.3m-660kc), May 17, Flower Making course.
4:25 3:25 2:25 1:25 12:25
WJZ (454.3m-660kc), Shopping service.
5 4 3 2 1
WOC (483.6m-620kc), Home management schedule, Aunt Jane.
5:15 4:15 3:15 2:15 1:15
KYW (535.4m-560kc), Meat talk, John Cutting.
6 5 4 3 2
KMOX (280.2m-1070kc), Housewives' hour.
WRC (468.5m-640kc), Housekeepers' half hour.
9:30 p. m. 8:30 7:30 6:30 5:30
KUOA (299.8m-1000kc), May 24, "What Home Demonstration Work Is Doing for Our Negro Women and Girls."
10:05 9:05 8:05 7:05 6:05
KFAB (340.7m-880kc), May 17, "Can You Can?" Jessie Greene.
11:30 10:30 9:30 8:30 7:30
KWSC (348.6m-860kc), May 17, "The Discovery and Education of the Gifted Child." "What Does Your Child Eat at Noon?" May 24, "What Shall We Do with the Dull Child?" May 31, "Should All Boys and Girls Go Through High School?"
1:15 a.m. 12:15 11:15 10:15 9:15
KGO (361.2m-830kc), "Character Training in the Home," E. Anderson.

Tuesday

Atlantic Eastern Central Mountain Pacific
10 a. m. 9 8 7 6
WIP (508.2m-590kc), Menu, Anna Scott.
10:30 9:30 8:30 7:30 6:30
WWJ (352.7m-850kc), Tonight's dinner.
11 10 9 8 7
KDKA (309.1m-970kc), Domestic Science. Arts for the Housewife.
12 n. 11 10 9 8
WEAO (293.9m-1020kc), Housekeepers' half hour.
WEAR (389.4m-770kc), Home service talk.
WHT (399.8m-750kc), Women's club, Jean Sargent.
WMCA (340.7m-880kc), Home Makers' hour.
WQJ (447.5m-670kc), Home economics. May 18, "Do You Appreciate American Styles?" "Time Savers in the Home." Pep exercises.
12:30 p.m. 11:30 10:30 9:30 8:30
WEBH (370.2m-810kc), Fashion and household talks.
WOI (270.1m-1110kc), May 18, "The Art of Hospitality." "Choosing Materials for Summer Wear."
WGN (302.8m-990kc), Home Management period.
2 1 12 n. 11 10
KGW (491.5m-610kc), Household Helps, shopping guide.
WGBF (236.1m-1270kc), Garden talk.
3 2 1 12 n. 11
WGY (379.5m-790kc), Women's club.
4 3 2 1 12 n.
WIP (508.2m-590kc), Menu talk.
WJZ (454.3m-660kc), "Your Daily Menu," Mrs. J. Heath.
WQJ (447.5m-670kc), May 18, "Home Economics." "Short Cuts in Cooking."
4:15 3:15 2:15 1:15 12:15
WHO (526m-570kc), Recipes, household hints.
WJZ (454.3m-660kc), May 18, "A Beautiful Skin."
4:25 3:25 2:25 1:25 12:25
WJZ (454.3m-660kc), "How to Grow Prize Dahlias."
4:30 3:30 2:30 1:30 12:30
WLIT (394.5m-760kc), Household helps and hints.
5 4 3 2 1
WOC (483.6m-620kc), Home management schedule.
6 5 4 3 2
KMOX (280.2m-1070kc), Housewives' hour.
6:30 5:30 4:30 3:30 2:30
KOA (322.4m-930kc), Housewives' matinee.
7:15 6:15 5:15 4:15 3:15
KOA (322.4m-930kc), Culinary hints, Clara Hoover.
7:45 6:45 5:45 4:45 3:45
WPG (299.8m-1000kc), Fashion Flashes.
9:30 8:30 7:30 6:30 5:30
KGO (361.2m-830kc), As a Woman Thinketh.

Wednesday

Atlantic Eastern Central Mountain Pacific
10:30 a. m. 9:30 8:30 7:30 6:30
WWJ (352.7m-850kc), Tonight's dinner.
10:45 p. m. 9:45 8:45 7:45 6:45
WTAG (268m-1120kc), Talk to Housewives, Mrs. Lydia Flanders.
12 n. 11 10 9 8
WEAO (293.9m-1020kc), Housekeepers' half hour.
WHT (399.8m-750kc), Women's club, Jean Sargent.
WQJ (447.5m-670kc), Home Economics program. May 19, "Child Welfare Talk." Friday Fish dinner menu.
12:30 p.m. 11:30 10:30 9:30 8:30
WEBH (370.2m-810kc), Fashion and Household talks.
WGBF (236.1m-1270kc), "Swans Down" Cake lessons.
WGN (302.8m-990kc), Household management period.
12:35 11:35 10:35 9:35 8:35
KYW (535.4m-560kc), Table talk.
1:45 12:45 11:45 10:45 9:45
KGW (491.5m-610kc) Household Helps, shopping guide.
2:20 1:20 12:20 11:20 10:20
WGBF (236.1m-1270kc), Garden talk.
4 3 2 1 12 n.
WCCO (416.4m-720kc), Woman's hour.
WJZ (454.3m-660kc, "Your Daily Menu."
WLW (422.3m-710kc), Cooking school.
WQJ (447.5m-670kc), Home Economics.
5 4 3 2 1
WMAQ (447.5m-670kc), Recipes.
WOC (483.6m-620kc), Home management schedule, Aunt Jane.
6 5 4 3 2
KMOX (270.2m-1070kc), Housewives' hour.
KOAC (280.2m-1070kc), Housekeepers' half hour.
WRC (468.5m-640kc), Housekeepers' half hour.
7 6 5 4 3
KGO (361.2m-830kc), "Hints for Housekeeper."
8 7 6 5 4
KLX (508.2m-590kc), Woman's hour.
KMA (252m-1190kc), Domestic science talk.
11:30 10:30 9:30 8:30 7:30
KOAC (280.2m-1070kc), May 19, "The Fourth R in Education." May 26, "The World Wide Movement in Home Economics."
11:45 10:45 9:45 8:45 7:45
KOAC (280.2m-1070kc), May 26, "Safety in Food Canning."

Thursday

Atlantic Eastern Central Mountain Pacific
10:30 a.m. 9:30 8:30 7:30 6:30
WWJ (352.7m-850kc), Tonight's dinner.
10:45 9:45 8:45 7:45 6:45
WTAG (268m-1120kc), Marjorie Woodman, nurse.
11 10 9 8 7
WEAF (491.5m-610kc), Talks, cookery lecture.
11:50 10:50 9:50 8:50 7:50
WMC (499.7m-600kc), Home economics discussion, Miss Kitty.
12 n. 11 10 9 8
WEAO (293.9m-1020kc), Housekeepers' half hour.
WEAR (389.4m-770kc), Home service talk.
WHT (399.4m-750kc), Women's club, Jean Sargent.
WQJ (447.5m-670kc), May 20, "Dry Sausage and Ready to Eat Meats." "The Care of the Feet." "Meals and Mushrooms."
12:30 p.m. 11:30 10:30 9:30 8:30
WEBH (370.2m-810kc) Household and fashion talks.
WGN (302.8m-990kc), Home Management period.
WOI (270m-1110kc), May 20, "Care of the Children in Summer." "What Shall the Pre-School Child Eat?"
12:35 11:35 10:35 9:35 8:35
KYW (535.4m-560kc) Table talks.
2 1 12 n. 11 10
KGW (491.5m-610kc), Household helps.
2:20 p. m. 1:20 12:20 11:20 10:20
WGBF (236.1m-1270kc) Garden talk.
4 3 2 1 12 n.
WJZ (454.3m-660kc), Your Daily Menu.
4:15 3:15 2:15 1:15 12:15
WJZ (454.3m-660kc) "Wall Paper, Room by Room," A. Fillebroun.
WQJ (447.5m-670kc), Home Economics, Helen Downing, "Salad Sandwiches."
5 4 3 2 1
WOC (483.6m-620kc) Home management schedule, Aunt Jane.
6 5 4 3 2
KMOX (280.2m-1070kc) Housewives' hour.
KOAC (280.2m-1070kc) Housekeepers' half hour.
6:30 5:30 4:30 3:30 2:30
KOA (322.4m-930kc) Housewives' matinee.
WCCO (416.4m-720kc) Women's club program.
7:15 6:15 5:15 4:15 3:15
KOA (322.4m-930kc) Culinary hints, Clara Hoover.
9 8 7 6 5
KFKU (275.1m-1090kc), May 20, "The Chemistry of Making Jelly." May 27, "Principles of Sugar Boiling.

Friday

Atlantic Eastern Central Mountain Pacific
10:30 a.m. 9:30 8:30 7:30 6:30
WWJ (352.7m-850kc) Tonight's dinner.
11 10 9 8 7
KDKA (309.1m-970kc) Domestic science and Arts for the Housewife.
12 n. 11 10 9 8
WEAO (293.9m-1020kc) Housekeepers' half hour.
WHT (399.8m-750kc) Women's hour, Jean Sargent.
WQJ (447.5m-670kc), Sunday dinner menu.
12:15 p.m. 11:15 10:15 9:15 8:15
KYW (535.4m-560kc) Meat talk.
12:30 11:30 10:30 9:30 8:30
WEBH (370.2m-810kc) Household and fashion talks.
WGBF (236.1m-1270kc), "Swans Down" Cake lessons.
WGN (302.8m-990kc), Home Management period.
12:35 11:35 10:35 9:35 8:35
KYW (535.4m-560kc) Table talk.
1:45 12:45 11:45 10:45 9:45
KGW (491.5m-610kc), Household helps.
2:20 1:20 12:20 11:20 10:20
WGBF (236.1m-1270kc) Garden talk.
2:45 1:45 12:45 11:45 10:45
WOAW (526m-570kc) Sunshine Sunday dinner menu.
4 3 2 1 12 n.
WJZ (454.3m-660kc) "Your Daily Menu," Mrs. J. Heath.
WQJ (447.5m-670kc), Home Economics. May 21, "Frozen Dainties for the Warmer Weather in Your Electric Refrigerator." "The Control of Light."
4:15 3:15 2:15 1:15 12:15
WHO (526m-570kc) Recipes, household hints.
4:25 3:25 2:25 1:25 12:25
WJZ (454.3m-660kc) "Solving Candy Problems."
5 4 3 2 1
KYW (535.4m-560kc) Woman's hour.
WOC (483.6m-620kc) Home Management, Aunt Jane.
5:15 4:15 3:15 2:15 1:15
WMAQ (447.5m-670kc)
5:30 4:30 3:30 2:30 1:30
WEAA (475.9m-630kc) Homemakers program.
WMAQ (447.5m-670kc), Foibles of the Moment.
6:30 5:30 4:30 3:30 2:30
KOA (322.4m-930kc) Housewives matinee.
7 6 5 4 3
KOA (322.4m-930kc) Fashion review.
11:30 10:30 9:30 8:30 7:30
KMOX (280.2m-1070kc) Housewives' hour.

WGN WILL BROADCAST KENTUCKY

High Lights of the Air

BEWARE Saturday afternoon, May 15, of betting according to the advice of Sam 'n' Henry because they are accompanying Quin Ryan, announcer of WGN, to Louisville and will be heard at intervals during the broadcast of the Kentucky Derby. From noon until the time the last horse in the final race gallops down the home stretch, WGN will be on the air. Every shout, every hoof-thud and all the color of the famous day will be brought to the homes of listeners. WEBH, Chicago, and WHAS, Louisville, will also broadcast the event.

Choristers with pig-tails and ribbons, blouses and short breeches will hold the microphone at WHAD, Milwaukee, Saturday afternoon, May 15. These youthful singers are between the ages of 8 and 14. Their simple rendering of "The Spider and the Fly," "The Little Sheperd Boy," "The Little Maids from School," and "The Sandman Is Calling You," will appeal to any grownup.

"The Three Fingered Villain" is the title of a talk which Professor George A. Hill of Wesleyan university will give from WTIC on Wednesday, May 19, at 8 p. m. Eastern Standard time. In order not to disappoint any who may be expecting a highly melodramatic monolog of blood and thunder, we will explain that the name of the villain is Poison Ivy, and that Professor Hill is to give an instructive talk on the venomous vine, including detailed instructions for curing all so unfortunate as to meet with it while walking in the woods. WTIC also announces a series of three recitals by Madame Fely Clement this month. Madame Clement who was well-known as a former member of the Boston Opera company, has recently returned from a successful European concert tour.

Canadians are celebrating a national holiday Wednesday, May 26, in Empire Day. Songs from England, Wales, Scotland, Ireland, Australia and Canada may be heard by tuning in CNRM, Montreal.

So many requests have been received by KOA, Denver, and KGO, Oakland, to repeat the mystery drama, "The Step On the Stairs," that the entire play will be given again at both stations. You may get all the thrills of this story by tuning in KGO on Thursday, May 20. KOA gives the production Monday, May 31.

The collegiate note will be struck at WLIT Friday evening, May 21, when members of the University of Pennsylvania give "Pinafore" over the air. This is one of the important broadcasts of the season.

An opera star who belongs to Radio is Margery Maxwell. Formerly a member of the Chicago Civic Opera company, Miss Maxwell has been adopted by Chicago Radio stations. Whenever a station opens or gives a birthday party she is invited to sing. She appears Friday, May 28, at KYW during the Federal Master Artists' concert.

This will be the third year that WGN has brought the auto race to the invisible Radio audience. Monday, May 31, the Indianapolis 500-mile auto race will be described by Quin Ryan. Many famous racing authorities will offer information during the race.

NOT a dental ad at
Choc Phillips, Billy
plegate with the M
with a bit of humor at
p. m. Central Standard t
Madame Fely Clement,
WTIC, Hartford. Th
years a soprano with the
only has she made Am
Europe also. She has ju
continental Europe. Fe
this triumph. Teaberry t
means Jim Hughes, lef
skits, the comedian and
tickle the Ra

Saturday, May 15

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
1 p. m.	12 n.	11	10	9

WGN (302.8m-990kc), WEBH (370.2m-810kc), WHAS (399.8m-750kc), Kentucky Derby.

8:45	7:45	6:45	5:45	4:45

WOR (405.2m--740kc), Copenhagen quartet.

9	8	7	6	5

CNRO (435.8m-688kc), "A Pile of Junk."
KFNF (263m-1140kc), Scotch concert.
WSWS (275.8m-1090kc), Chicago serenaders.

9:30	8:30	7:30	6:30	5:30

KDKA (309.1m-970kc), Westinghouse band.

10:30	9:30	8:30	7:30	6:30

WBZ (333.1m-900kc), Ray-O-Vac twins.

11	10	9	8	7

WFAA (475.9m-630kc), Four Hoarse Men.

11:05	10:05	9:05	8:05	7:05

KTHS (374.8m-800kc), Accordion solos, Joe Kuntz.

12:10 a. m.	11:10	10:10	9:10	8:10

KGO (361.2m-830kc), Sanford band.

Saturday, silent night for: CNRA, CNRC, CNRE, CNRM, CNRR, CNRT, CNRV, CNRW, KFKU, KFKX, KFRU, KFUO, KFXF, KMA, KOAC, KOB, KSAC, KSO, KTAB, KWSC, WABQ, WAIU, WBAL, WCAL, WCX, WDOD, WEAO, WEBJ, WEBW, WEMC, WGBF, WGCP, WGHP, WGST, WHA, WHAD, WHAZ, WHN, WHO, WIP, WJAD, WJAR, WKAR, WLIT, WLWL, WMAZ, WNAD, WOS, WRVA, WTAG, WTIC, WWJ.

Atlantic or Eastern Daylight Saving Time Stations

CFCA, Toronto, Canada (356.9m-840kc), 9 p. m., musical comedy selections, dance program.
CKAC, Montreal, Can. (410.7m-730kc), 7:15 p. m., Windsor hotel concert orchestra; 10:30, Windsor hotel dance program.
CNRO, Ottawa, Can. (434.5m-690kc), 8 p. m., Chateau Laurier concert orchestra; 9, Myrlah Kendall, pianist; Mrs. O. A. Jarvis, soprano; Mrs. E. Y. Browne, violinist; Charles Watt, baritone; "A Pile of Junk," playlet; Mrs. E. Y. Browne, violinist; dance orchestra.
WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert; 8:15, WEAF; 11, news.
WEAF, New York, N. Y. (491.5m-610kc), 4-12 midnight, Vincent Lopez and his orchestra; orchestra.
WFI, Philadelphia, Pa., (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra; 8, recital; 8:15, meeting, American Academy of Political and Social Science, Hon. Irvine L. Lenroot, U. S. senator of Ohio, Dr. Harry A. Garfield, president Williams college, Dr. James Brown Scott; 9, recital; 11, dance orchestra.
WGBS, New York, N. Y. (315.6m-950kc), 9:10 p. m., Monica Irwin, soprano; 9:30, Elizabeth Bible Truth Hall quartet.
WHAR, Atlantic City, N. J. (275.1m-1090kc), 8 p. m., Seaside hotel trio.
WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin hotel concert orchestra; 7, Ethel Clothier, pianist; 8:15, Herman Rickers, tenor; Raymond R. Lawson, baritone; George Rodenbaugh, violinist; Estelle Shuull, pianist; 9, The Symphony orchestra; 10:05, Benjamin Franklin El Patio dance orchestra; 11:05, organ recital.
WJZ, New York, N. Y. (454.3m-660kc), 7 p. m., Hotel Commodore concert orchestra; 8, WRC; 10:30, Hotel Vanderbilt orchestra.
WLIT, Philadelphia, Pa. (394.5m-760kc), 7:30 p. m., Benjamin Franklin hotel concert orchestra.
WMAK, Buffalo, N. Y. (265.3m-1130kc), 6:15-7:15 p. m., dinner music; 7:30-10:30, musical program.
WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Olcott Vail and his Hotel McAlpin ensemble; 11, Ernie Golden and his Hotel McAlpin orchestra; 12 midnight, McAlpin entertainers.
WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Adelphia dinner dance orchestra.
WOR, Newark, N. J. (405.2m-740kc), 6:30 p. m., Jacques Jacobs' Hotel Shelton ensemble; 7:30-7:45, Van's Collegians; 8:45, Copenhagen quartet; 9:15, La-Forge-Berumen studio musicale.
WPG, Atlantic City, N. J. (299.8m-1000kc), 6:45 p. m., Arthur Scott Brook, organist; 7, Hotel Morton dinner music; 7:30, Elks Home dinner music; 8, Hotel Ambassador dinner music; 8:30, studio program; 9, Hotel Traymore concert orchestra; 10, Katz and his Kittens; 10:30, Garden Pier dance orchestra; 11:30, Elks Home dance orchestra.

Eastern Standard or Central Daylight Saving Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 8:30 p. m., Westinghouse band.
WADC, Akron, O. (258.5m-1160kc), 6:30 p. m., dinner concert, Carnes Richards Hotel Portage quintet; 9, Riverview Park dance orchestra.
WBBM, Chicago, Ill. (225.4m-1330kc), 8-10 p. m., Alemite orchestra; Ziegler Stars; Tip trio; Smith and Ford; 10-11, Alemite orchestra; Vanity Fair orchestra; 11-2 a. m., Matched Unit quartet; Ziegler Stars, Fair and Warmer; Smith and Ford.
WBZ, Springfield, Mass. (333.1m-900kc), 6:45 p. m., Repertory theater concert orchestra; 7:15, Dr. D. M. Staley, reader; 7:30, Kings of Harmony; 9, Bob Patterson's orchestra; 9:30, Ray-O-Vac Twins.
WEBH, Chicago, Ill. (370.2m-810kc), 8 p. m., songs, Frank Greif; 9:15-10, Edgewater Beach hotel Oriole orchestra; 11-12 midnight, Oriole orchestra; Kay Ronayne; 1 a. m., Oriole orchestra; 1-3, frolic.
WENR, Chicago, Ill. (265.3m-1130kc), 6-7 p. m., Rauland lyric trio; 8-9, popular program, Arthur Dunas; 9-10, All-American Pioneers; 12, midnite frolic.
WGN, Chicago, Ill. (302.8m-990kc), 6:45-6:55 p. m., musical program; 6:55-7:15, Drake concert ensemble, Blackstone string quintet, request program; 8-8:10, Auld Sandy; 8:10-8:30, musical program; 8:30-9:30, light opera concert; 9:30-10, old-time prize fight; 10-10:10, Sam 'n' Henry; 10:10-10:20, musical program; 10:20-10:40, play shop; 10:40-11, ensemble.
WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., Hotel Onondaga program; 9:30, Hotel Van Curler dance orchestra.
WHT, Chicago, Ill. (399.8m-750kc), 7 p. m., Al Carney, organist; 8:45-10:30 (238m-1260kc), Cinderella orchestra; 10:30 (399.8m-750kc), Kitchen Klenzer entertainers; 10:50, Jack Turner, popular singer; Irene Smith; 12 midnight, your hour league.
WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., dinner concert; string trio; Francis Schiebe, soprano; George Hancer, baritone; Thelma Maxwell, soprano; Roger Tigne, tenor; organ recital.
WJAZ, Chicago, Ill. (329.5m-910kc), 9-2 a. m., dance program, opera club.
WJJD, Mooseheart, Ill. (370.2m-810kc), 5:40-7 p. m., dinner concert; Howard Peterson, organist; Palmer House symphony players; Palmer House Victorians; 8-9, Palmer House Victorians; Isabel Defaut; Edson Farrar; 10-11, Isabel Defaut, Victorians; Cook Sisters; 12-1 a. m., Victorians, Jack Nelson.
WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Stromfeltz-Loveley serenaders; 9, Jean Goldkette's serenaders; 10, Jean Goldkette's Victor Recording orchestra; 11:30, Merry Old Chief.
WKRC, Cincinnati, Ohio (325.9m-920kc), 10 p. m., Ace Brigode and his Fourteen Virginians; 11, Sam Jones; 11:15, Ace Brigode and his Fourteen Virginians.
WLS, Chicago, Ill. (344.6m-870kc), 7 p. m., lullaby time; 7:15, barn dance.
WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., popular organ concert, Johanna Grosse; 7:30, meeting of the Sekatary Hawkins Radio club; 8, Uncle Charlie Warner and his Coon Dog orchestra; 9, Henry Theis and his orchestra.
WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Hotel LaSalle orchestra; 8, Daw and Pratt; 8:30, photologue; 9, Chicago theater revue.
WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon ensemble; Hilda Hinrichs, cellist; Margaret Conrad, violinist; Preston Graves, pianist; Franklin Kidd, tenor; Arvid Anderson, baritone; 9-11, Trianon orchestra; Woodlawn theater orchestra; ensemble; Hilda Hinrichs, cellist; Margaret Conrad, violinist; Jimmy Eggert; Andy Anderson; Jack Goodwin, Trianon syncopators.
WOK, Chicago, Ill. (217.3m-1380kc), 4:30-7 p. m., Capitol theater organ; ensemble; studio program; 10-1 a. m., Tearney's Town club orchestra; Midway Garden orchestra; Pershing Palace orchestra; Capitol theater program; 1-2, orchestras.
WORD, Batavia, Ill. (275m-1090kc), 7 p. m., Webster hotel concert; 9, studio program.
WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Ralph Williams and his Rainbo Garden concert orchestra; 10-3 a. m., Ralph Williams and Rainbo Skylarks; Jerry Sullivan, Rose Vanderbosch, soprano and pianist; Hal Lansing and his uke; Joe Warner, character songs; Oxford girls; Harmony singers; Rita McFawn and Mary Bieber, harmony duo; Gail Bandell, West Brothers; Melodians, Harmony singers.
WRC, Washington, D. C. (468.5m-640kc), 7 p. m., Irving Boernstein's Hotel Washington orchestra; 8:25, announced; 10:30, Meyer Davis' Swance syncopators; 11:30-12 midnight, organ recital, Otto Beck.
WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., Speed-Wagon serenaders; Gold Standard ensemble; 10-12, Speed-Wagon serenaders.
WSAI, Cincinnati, Ohio (325.9m-920kc), 7 p. m., chimes, Robert Badgley; 7:30, Bicycle Playing Card sextet; 9, musicale; 12 midnight, popular program.
WSWS, Chicago, Ill. (275.8m-1090kc), 6 p. m., Terrace Garden orchestra; Hugh Aspinwall, reader; Jean Duncan, contralto; 8, Chicago serenaders; Gus Edward's orchestra; 10, Zola Haynes, pianist; Alfred Holmes; Hull Sisters; Johnny Buckingham; Gus Edwards' orchestra.
WTAM, Cleveland, Ohio (389.4m-770kc), 7 p. m., George Warmack's Singing syncopators; 8, Hollenden hotel orchestra; 9, Ev Jones and his gang.
WTIC, Hartford, Conn. (475.9m-630kc), 7:30 p. m., Mildred Sage, violinist; 8, John Booth, baritone; 8:30, Grace Nichols, contralto; 8:45, Westminster glee club and banjo club; 9:30, Palais Royal dance orchestra.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., dinner concert; 8:30-10:30, KFAB staff artists.
KFH, Wichita, Kans. (267.7m-1120kc), 7-8 p. m., artists' program; 11-12, dance music, Hotel Lassen.
KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., Scotch concert, E. S. Doods, director; 11, old-time music.
KLDS, Independence, Mo. (440.9m-680kc), 8 p. m., Elizabeth Tanner Hitchcock, organist.
KMA, Shenandoah, Iowa (252m-1190kc), 9-11 p. m., program, Massena.
KMOX, St. Louis, Mo. (280.m-1070kc), 6:30 p. m., Jacques Landree, organist; 7, Little Red Schoolhouse, Helen Brady and trio; 8, banjo trio; 9, Joe Carrione, trumpeter, Rolf Gaudard; 9:30, Jacque Landree, organist; Marguerite Schmidt; John Sauter, flutist; 11, Rendezvous club.
KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., musical and stage specialties, West End Lyric theater.
KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:05-9:30 p. m., Joe Kuntz, accordion soloist; 9:30-10:30, dance music, New Arlington hotel orchestra.
KVOO, Bristow, Okla. (374.8m-800kc), 6-9 p. m., Marshall Van Pool and his Radio orchestra.
WAMD, Minneapolis, Minn. (243.8m-1230kc), 7:05 p. m., Hartman Twins, Frank and Earnest; 7:15, Blueboys' orchestra, Harmony Twins.
WBAP, Fort Worth, Texas (475.9m-630kc), 9:30-11 p. m., Hired Hand's Little symphony.
WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6:15 p. m., dinner concert, Wesley Barlow's Nicollet hotel orchestra; 8:15, musical program; 10:05, Emmet Long's Golden Pheasant orchestra.
WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., organ music; Trianon ensemble; 11:45-1 a. m., Nighthawk frolic.
WFAA, Dallas, Tex. (475.9m-630kc), 6:30-7:30 p. m., The Jeffersonians; 8:30-9:30, Alpha Delta Pi sorority program; 9-9:30, Four Hoarse men; 11-12, Jimmie Joy's orchestra.
WHAD, Milwaukee, Wis. (275.1m-1090kc), 6:15 p. m., organ recital, Arthur Richter, Edmund Fitch.
WHAS, Louisville, Ky. (399.8m-750kc), 7:30-8:30 p. m., Cardinal orchestra; 8:30-9, St. Xavier glee club.
WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Plectrum orchestra.
WOAW, Omaha, Nebr. (526m-570kc), 6:50 p. m., orchestra; 7:15, Creighton educational period; 8, program; 9, program, Clinton Miller, director; 10, Frank Hodek and his Nightingale orchestra.
WOC, Davenport, Iowa (483.6m-620kc), 9-10 p. m., Mrs. E. W. Keller, soprano; Evald Lawson, violinist; Bernard Reagan, baritone.
WRR, Dallas, Texas (245.8m-1220kc), 6-7 p. m., dinner hour musicale; 8-9, Elena Munster, soprano; Kathryn Kennedy, contralto; Mrs. Betty Judd, pianist.
WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., Atwater Kent hour; 10:45, program, Brenau college.
WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., Beasley Smith's orchestra; 8:15, barn dance program, features.
WSMB, New Orleans, La. (319m-940kc), 8:30 p. m., Theodore Roehl and associate artists concert.

Mountain Standard Time Stations

KFAU, Boise, Idaho (280.2m-1070kc), 8:15-10 p. m., Gooding college.
KFWA, Ogden, Utah (260.7m-1150kc), 9-10 p. m., Ollie Reeves and his orchestra; 10-11, Paramount theater; 11-12 midnight, Ollie Reeves and his orchestra.
KFXF, Colorado Springs, Colo. (249.9m-1200kc), 8 p. m., Mrs. Bertram T. Wheatley, soprano; Bertram T. Wheatley, pianist.
KOA, Denver, Colo. (322.4m-930kc), 7:30 p. m., Child prodigy program; 9, Harmony Peerless dance orchestra; 10:30, Scheuerman's Colorado dance orchestra.
KSL, Salt Lake City, Utah (299.8m-1000kc), 10 p. m., Odeon Dancing academy.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 5:30 p. m., Shelley Players' orchestra, Marta Evarts, Millie Hart; 6:30, Vest Pocket program; 7, Al Wesson and his orchestra; 8, grand opera program; Ysabel Bowen, Olga Steffani, Robert Hurd, Tom McLaughlin, Angelus trio; 9, Louise Klos, soprano and harpist; 10, Packard Radio club; 11, midnight frolic.
KFWB, Hollywood, Calif. (252m-1190kc), 6:30-7:30 p. m., Pontiac Six dinner hour; 8-10, Bill Hatch's Oakmont Country club orchestra; Charlie Wellman, tenor; 10-11, Warner Brothers' frolic.
KGO, Oakland, Calif. (361.2m-830kc), 8:10 p. m., Baldwin Piano company program; Stanford band; Margery Blackwelder, soprano; flute quartet; 10-12, Madson's Midshipmen, dance orchestra; Frank Gibney, tenor; Carl Winge, pianist.
KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., concert; Olds, Wortman and King company; 10-12 midnight, Indian Grill.
KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., Uncle John and the children; 8-10, Times de luxe program.
KNX, Hollywood, Calif. (336.9m-890kc), 7:30-8 p. m., program, Motor Transit states; 8-9, program, Luna Park Amusement company; 9-10, studio program; 10-11, Ray West's Cocoanut Grove dance orchestra; 11-12 midnight, Hollywood nite, Filmland frolic.
KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7:20 p. m., States Restaurant orchestra; 8-12 midnight, Fairmont hotel dance orchestra; Maurice Gunsky, tenor; Merton Bories, pianist.

Sunday, May 16

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
6 p. m.	5	4	3	2

WLIB (302.8m-990kc), Arabian Nights' entertainment.

7:20	6:20	5:20	4:20	3:20

KDKA (309.1m-970kc), Chimes.

8:30	7:30	6:30	5:30	4:30

WKAR (285.5m-1050kc), Dedication services, Peoples' church.

9:15	8:15	7:15	6:15	5:15

WEAF (491.5m-610kc), WEEI, WCAP, WGR, WSAI, WWJ, WGN, KSD, Atwater Kent program.

10	9	8	7	6

WQJ (447.5m-670kc), St. Itas choir.

11	10	9	8	7

KFAB (340.7m-880kc), York symphonic orchestra.

11:30	10:30	9:30	8:30	7:30

KPRC (296.9m-1010kc), Houston Municipal orchestra.

12 m	11	10	9	8

KHJ (405.2m-740kc), Famous oratorios.

Sunday, silent night for: CFAC, CHIC, CKAC, CKNC, CNRA, CNRC, CNRE, CNRM, CNRO, CNRR, CNRT, CNRV, CNRW, KFAB, KFAU, KFKX, KFOA, KFWA, KFXF, KLX, KMA, KMTR, KOAC, KOB, KOWW, KSAC, KSO, KUOA, KWSC, WABQ, WAHG, WAIU, WCAU, WDAF, WEAO, WEBJ, WEBW, WFI, WGBF, WGHB, WGHP, WHA, WHAS, WHAZ, WIP, WJAD, WJAZ, WJJD, WJR, WKAF, WKAR, WMAQ, WMAZ, WMC, WNYC, WOI, WOOD, WRC, WRVA, WSB, WSM, WTAM, WTIC.

DERBY, INDIANAPOLIS AUTO RACE

the Sunny Southern Four, Eddie Chittenden, Less Ap- how of 1926, facing the mike Wednesday nights at 10:45 y are ready to ride the ether. ay be heard May 17 to 24, at known singer was for four Grand Opera company. Not cognize her as a singer but ned from a successful tour of can opera stars have achieved DKA, Pittsburgh, practically s the author of these merry er, and he knows just how to ener's funny bone.

Jack Crawford's Alemite orchestra; Maurice Silverman, tenor; Pauline Atlass, violinist; Lois Hammett, pianist; F. J. Porter, baritone; 11:59-3 a. m., Nutty club.

WBZ, Springfield, Mass. (333.1m-900kc), 9:35 a. m., South Congregational church; 6 p. m., Copley Plaza orchestra; 7, Golden Rule hour; 8, Paul Franck, French organist.

WCAP, Washington, D. C. (468.5m-640kc), 11 a. m., First Congregational church; 4 p. m., Outdoor service; 6:20, WEAF; 8:15, WEAF.

WCBD, Zion, Ill. (344.6m-870kc), 8 p. m., mixed quartet; Zion Preparatory chorus, McElroy Brothers; Chester Bagg, baritone; Mrs. Lucille Bird, soprano; Alice Peters, violinist; trio; Paul Stewart, cornetist; Bessie Schaefer, pianist.

Atlantic or Eastern Daylight Saving Time Stations

CFCA, Toronto, Canada (356.9m-840kc), 11 a. m., St. Paul's Anglican church; 7 p. m., Timothy Eaton Memmorial church.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 5 p. m., recital; 5:15, Undenominational church services; 5:35, talk, Rev. John W. Stockwell; 6:30, Pennsylvania concert orchestra; 8, Bonwit Teller concert.

WEAF, New York, N. Y. (491.5m-610kc), 3-5 p. m., Sunday Radio service; 5:30-6, Russian choir; 6-7:20, musicale; 7:20-9:15, Capitol theater; 9:15, Atwater Kent program, WEEI, WSAI, WCAP, WCCO, WGN, WGR, WWJ.

WEEI, Boston, Mass. (348.6m-860kc), 2 p. m., Sager's hour of hospitality; 5:45, Friendly voice; 6, Jordan Marsh company's Sparkling Diamonds; 7:20, Major Bowes and his Capitol Family; 9:15, Atwater Kent Radio hour.

WFI, Philadelphia, Pa. (394.5m-760kc), 4:30 p. m., services, Rev. Jos. F. Newton of Memorial Church of St. Paul.

WGBS, New York, N. Y. (315.6m-950kc), 3 p. m., Arrowhead Inn orchestra; 4, Little Church Around the Corner.

WGR, Buffalo, N. Y. (319m-940kc), 10:45 a. m., Westminster Presbyterian church; 7:45 p. m., Central Presbyterian church; 9:15, WEAF.

WHAR, Atlantic City, N. J. (275.1m-1090kc), 10:45 a. m., Chelsea Baptist church; 2:15 p. m., Seaside hotel trio; 7:50, Chelsea Baptist church; 9, Seaside hotel ensemble.

WHN, New York, N. Y. (361.2m-830kc), 11:30 a. m.-12:30 p. m., Calvary Morning services; 12:30-1, Loew's Lexington organ recital; 2-3, Christian Endeavor program; 3-4:30, Bible class; 4:30-4:40, race results, 5-5:30, Roseland dance orchestra; 7:30-9:45, Calvary services; 10:45-11:15, Janssen's Hofbrau orchestra; 12-12:30 a. m., Sophie Tucker's playground.

WIP, Philadelphia, Pa. (508.2m-590kc), 10:45 a. m., services, Holy Trinity church.

WJAR, Providence, R. I. (305.9m-980kc), 7:20 p. m., WEAF; 9:15, WEAF.

WJZ, New York, N. Y. (454.3m-660kc), 8 p. m., variety program, Bakelite hour; 10, Godfrey Ludlow, violinist.

WLIT, Philadelphia, Pa. (394.5m-760kc), 2:30 p. m., Arcadia cafe concert orchestra; 7, Benjamin Franklin hotel concert orchestra; 8, recital, Friends of Chamber Music.

WLWL, New York, N. Y. (288.3m-1040kc), 8 p. m., Paulist choristers.

WMAK, Buffalo, N. Y. (265.3m-1130kc), 10:25 a. m., First Presbyterian church; 7:30, p. m., Churchill tabernacle.

WMCA, New York, N. Y. (340.7m-880kc), 11 a. m., Christian Science services; 5:25, Halpert and Fryxell, Buck-a-neers; 7, Ernie Golden and his orchestra; 7:30, Olcott Vail and his string ensemble; 8:30, California Ramblers.

WOO, Philadelphia, Pa. (508.m-590kc), 2:30 p. m., musical exercises, Bethany Sunday school; 6 p. m., organ recital; 7:30, services, Bethany Presbyterian church.

WPG, Atlantic City, N. J. (299.8m-1000kc), 3:15 p. m., Arthur Scott Brook, organist; 4:15, community recital; 9:15, Hotel Ambassador concert orchestra; 10, Adela Lane-Kennedy, pianist; Dora Davies Williams, soprano; Arthur Scott Brooks, organist.

WTAG, Worcester, Mass. (267.7m-1120kc), 4-5:30 p. m., announced; 7:20-9:15, WTAG; 9:15-10:15, WEAF.

Eastern Standard or Central Daylight Saving Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 9:30 a. m., Calvary Episcopal church; 3:30 p. m., organ recital, Charles Heinroth; 3:45, Shadyside Presbyterian church; 5:10, children's period; 5:30, dinner concert, Little symphony orchestra; 6:20, chimes; 6:45, East End Christian church.

WADC, Akron, Ohio (258.5m-1160kc), 12:30 p. m., organ recital, Allen theater.

WBAL, Baltimore, Md. (245.8m-1220kc), 7:30-8:30 p. m., WBAL concert orchestra; John Wilbourn, tenor; Max Rosenstein, violinist.

WBBM, Chicago, Ill. (225.4m-1330kc), 12:30-2 p. m., Metropolitan mixed quartet; Goldie Gordon, violinist; Bessie Sax, pianist; Cecile Winnie, bass-baritone; Paul Crunwell, baritone; Vinnie Lindhe, pianist; 4-6, Jack Crawford's Alemite orchestra; Maurice Silverman, tenor; Pauline Atlass, violinist; Lois Hammett, pianist; F. J. Porter, baritone; 11:59-3 a. m., Nutty club.

WBZ, Springfield, Mass. (333.1m-900kc), 9:35 a. m., South Congregational church; 6 p. m., Copley Plaza orchestra; 7, Golden Rule hour; 8, Paul Franck, French organist.

WCAP, Washington, D. C. (468.5m-640kc), 11 a. m., First Congregational church; 4 p. m., Outdoor service; 6:20, WEAF; 8:15, WEAF.

WCBD, Zion, Ill. (344.6m-870kc), 8 p. m., mixed quartet; Zion Preparatory chorus, McElroy Brothers; Chester Bagg, baritone; Mrs. Lucille Bird, soprano; Alice Peters, violinist; trio; Paul Stewart, cornetist; Bessie Schaefer, pianist.

WEBH, Chicago, Ill. (370.2m-810kc), 10:40 a. m., Seventh Church of Christ, Scientist; 7-9, artists' program.

WENR, Chicago, Ill. (265.3m-1130kc), 9:15 a. m., Irving Park Lutheran church; 2-3 p. m., Skeeles-Biddle hour of better music; 3-4, Moody Bible Institute hour; 6-7, evening hour; 9:30-12, All-American Pioneers.

WGN, Chicago, Ill. (302.8m-990kc), 6:45-7 p. m., musical program; 7-7:20, The Million Sing; 7:20-7:30, Old Fashioned Almanack; 7:30-7:45, Correll and Gosden; 7:45-8:15, Drake concert ensemble; Blackstone string quintet; 8:15-9:15, WEAF; 9:15-10, "Our Music Room"; 10-10:10, Sam 'n' Henry; 10:10-11, musical program.

WGY, Schenectady, N. Y. (379.5m-790kc), 10 a. m., First Presbyterian church; 3 p. m., musical program; 3:30, organ recital, Elmer Tidmarsh; 7, First Presbyterian church; 9, violin recital, Godfrey Ludlow.

WHT, Chicago, Ill. (399.8m-750kc), 12n-10:30 p. m., Paul Rader.

WIBO, Chicago, Ill. (225.4m-1330kc), 10:15 a. m., First M. E. church of Evanston; 2-4 p. m., program, Uptown Conservatory of music; 6-8, dinner concert, string trio; Agnes Buchli, George Hancer, Helen Snyder, Eugene Wallenious, Robert York; 10-12, popular program, artists.

WJAZ, Chicago, Ill. (329.5m-910kc), 7-9 p. m., Spanish Garden studio.

WJJD, Mooseheart, Ill. (370.2m-810kc), 7:45 a. m., Roman Catholic services; 9:40, Protestant services; 2:30 p. m., concert; 3:30, Bible class; 4-5, Palmer House symphony orchestra.

WJR, Pontiac, Mich. (516.9m-580kc), 10:30 a. m., First Baptist church.

WKAR, Lansing, Mich. (285.5m-1050kc), 7:30 p. m., People's church.

WKRC, Cincinnati, Ohio (325.9m-920kc), 6:45 p. m., Walnut Hills Christian church; 10, classical program; 11:15, Ace Brigode and his Fourteen Virginians.

WLS, Chicago, Ill. (344.6m-870kc), 10:45 a. m., U. of Chicago church service; 12 noon, Ralph Emerson, organist; 7-8:55, WLS Little Brown church.

WLW, Cincinnati, Ohio (422.3m-710kc), 9:30 a. m., Sunday school, Methodist Book concern; 10:45, Seventh Presbyterian church; 3 p. m., organ recital, Johanna Grosse; 7:30, First Presbyterian church of Walnut Hills; 8:30, concert, H. & S. Pogue company, orchestra.

WMBB, Chicago, Ill. (249.9m-1200kc), 7:40-9 p. m., Fifth Church of Christ, Scientist; 9-11, Trianon orchestra, Woodlawn theater orchestra; Arvid Anderson, Preston Graves, Scotty Welch and Madison Sisters; popular program.

WOK, Chicago, Ill. (217.3m-1380kc), 6 p. m.,-1 a. m., Tearney's Town club orchestra; Midway Garden orchestra; Pershing Palace orchestra; Capitol theater musical program; ensemble; studio program.

WORD, Batavia, Ill. (275m-1090kc), 10 a. m., I.B.S.A. service; 2 p. m., Bible lecture, Donald Rice; 9:30, I.B.S.A. lecture, A. L. Seeley; 10:45, Bible lecture.

WQJ, Chicago, Ill. (447.5m-670kc), 10-12 noon, Peoples' church; choir, Clarence Eddy, organist; 3-4 p. m., program, students of St. Angela's academy; Florence Winder, pianist; Anna Dunn, soloist; Catherine Sullivan, Mercedes Campbell, pianists; Mary Carey and Florence Winder, duos; Julia Whalen, soloist; Ann Maurice, pianist; Una Kennedy, violinist; 8-10, Ralph Williams and his Rainbo Garden concert orchestra; concert hour, St. Ilas senior choir and boys' choir.

WREO, Lansing, Mich. (285.5m-1050kc), 10 a. m., Boltry Plymouth Congregational church.

WSAI, Cincinnati, Ohio (325.9m-920kc), 11 a. m., Avondale Methodist Episcopal church; 7:45 p. m., chimes, Robert Badgley; 8, Press-Radio Bible service, Ind; 8:15, WEAF.

WSWS, Chicago, Ill. (275.8m-1090kc), 11 a. m., Moody church; 3:30-5, service; 7-9:30, evening song service.

WTAM, Cleveland, Ohio (389.4m-770kc), 11 a. m., services; 3 p. m., orchestra; 7, Loew's theater orchestra; 8, Fireside program.

WWJ, Detroit, Mich. (352.7m-850kc), 10 a. m., First Presbyterian church; 2 p. m., Detroit News orchestra; 6:20, WEAF; 8:15, WEAF.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 4-5 p. m., vesper service; 9-11, York symphonic orchestra.

KFDM, Beaumont, Texas (315.6m-950kc), 11-12 n., Episcopal church; 8-9 p. m., services.

KFH, Wichita, Kans. (267.7m-1120kc), 9:45 a. m., Men's Brotherhood Bible class; 11:15, First Methodist Episcopal church; 10-11, Coleman string quartet; soloists.

KFMX, Northfield, Minn. (336.9m-890kc), 7-8 p. m., vesper service.

KFNF, Shenandoah, Iowa (263m-1140kc), 10:45 a. m., First M. E. church; 2:30 p. m., Golden Rule song service; 3, Men's Gospel team; 6:30, Golden Rule circle; 7:30, Christian church services.

KFQA, St. Louis, Mo. (280.2m-1070kc), 8 p. m., Fourth Church of Christ, Scientist.

KLDS, Independence, Mo. (440.9m-680kc), 11 a. m., Stone church service; 2 p. m., I. O. O. F. program, 9:15, Walnut Park orchestra.

KMA, Shenandoah, Iowa (252m-1190kc), 8:30-9:30 a. m., sacred service; 4-5 p. m., church choir; 5-6, Rev. Lippitt.

KMOX, St. Louis, Mo. (280.2m-1070kc), 8 p. m., KFQA; 9, Skouras Brothers' Sunday night club.

KPRC, Houston, Tex. (296.9m-1010kc), 11 a. m., South Main Baptist church; 3 p. m., Beaumont-Houston baseball game; 8, Baptist services; 9:30, Houston Municipal orchestra; 11, Texan theater pipe organ concert.

KSD, St. Louis, Mo. (545.1m-550kc), 5:15 p. m., WEAF.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 11 a. m.-12:30 p. m., First Presbyterian church; 9:10-10, classic hour; 10-11:15, Arkansas Traveler Radio special train, Benny Ford's orchestra.

KVOO, Bristow, Okla. (374.8m-800kc), 12:30-7 p. m., pipe organ; Rev. Leeper and his twenty piece string band; Laughton Family; Oklahoma Cowboy band; Cushing Military band; 7:30-9, worship hour.

KYW, Chicago, Ill. (535.4m-560kc), 10 a. m., Central church; 3:30 p. m., studio program; 6, Chicago Sunday Evening club; 8:30-10, classical concert.

WAMD, Minneapolis, Minn. (243.8m-1230kc), 10:30 a. m., First Unitarian church services; 6:30 p. m., Arthur Faust and stock company; 9:30, Gayle Wood, pianist.

WBAP, Fort Worth, Texas (475.9m-630kc), 11 a. m., First Presbyterian church; 5-6 p. m., First Methodist church; 9:30-11, Texas hotel orchestra.

WCAL, Northfield, Minn. (336.9m-890kc), 8:30 a. m., Norwegian church services; 9:15 p. m., services.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 10:50 a. m., Hennepin Avenue M. E. church; 3 p. m., Christian Endeavor program; 4:10, House of Hope Presbyterian church; 5:50, Second Church of Christ, Scientist; 7:15, WEAF; 8, Luther Seminary glee club; 9:30, St. Paul Municipal organ recital, Hugo Goodwin.

WDAF, Kansas City, Mo. (365.6m-820kc), 3-4 p. m., program, Harry J. Kaufman string ensemble; 4-4:45, vespers.

WFAA, Dallas, Tex. (475.9m-630kc), 6-7 p. m., Bible class; 7-8, Leland Johnson, pianist and singer; 8-9, First Methodist Episcopal church; 9-9:30, Pat and Johnny, ukeleleist and yodeler; 11-12 midnight, Jack Gardner's orchestra.

WHAS, Louisville, Ky. (399.8m-750kc), 10 a. m., Virginia Avenue Methodist church; choir, organ; 4:30-5:30 p. m., choral evensong service, Christ church cathedral; Ernest Simon, organist; boys' choir.

WHB, Kansas City, Mo. (365.6m-820kc), 9:45-10:45 a. m., Linwood Blvd. Christian church; 11:10-12:30 p. m., Independence Blvd. Christian church; 8-9, services; 11:15-1 a. m., Morrill Moore, organist; Don Anchors, poet.

WHO, Des Moines, Iowa (526m-570kc), 11 a. m., B'nai Yesherum congregation; 4-5 p. m., Simpson Conservatory of music; 5-6, Bankers Life trio; Myrtle Williams, soprano; 7:30-8:30, The Fourteenth Cavalry band; 11-12, Bankers Life Little symphonic orchestra.

WMC, Memphis, Tenn. (499.7m-600kc), 11 a. m., Second Presbyterian church.

WOAW, Omaha, Nebr. (526m-570kc), 9 a. m., chapel service; 1:30 p. m., classical; 9, chapel.

WOC, Davenport, Iowa (483.6m-620kc), 1-2:30 p. m., Palmer Little symphony; 6:30-7, Christian church; 10-11:30, Palmer Little Symphony.

WOI, Ames, Iowa (270.1m-1110kc), 11 a. m., chapel services, Dr. James C. Baker.

WOS, Jefferson City, Mo. (440.9m-680kc), 9:30 a. m., Christian church.

WRR, Dallas, Texas (245.8m-1220kc), 10:45 a. m., First Baptist church; 7:30 p. m., First Baptist church; 9:30-10:30, Dr. James A. Wood, tenor.

WSB, Atlanta, Ga. (428.3m-700kc), 5 p. m., Associate Reformed Presbyterian church choir; 7:30, North Avenue Presbyterian church service.

WSM, Nashville, Tenn. (282.8m-1060kc), 10:30 a. m., services, First Presbyterian church.

WSOE, Milwaukee, Wis. (245.8m-1220kc), 3:30 p. m., Bible session; 5, American Legion Girl's band; 7:30, M. E. church.

WSUI, Iowa City, Iowa (483.6m-620kc), 9:30 p. m., familiar hymns, William G. Edmondson, Jr.

Mountain Standard Time Stations

KFXF, Colorado, Springs, Colo. (249.9m-1200kc), 11 a. m., First Presbyterian church; 7:30, First Methodist church.

KOA, Denver, Colo. (322.4m-930kc), 11 a. m., Music week service, Central Presbyterian church; 5 p. m., music hour, Denver College of Music; 6:30, Little symphony orchestra; 7:45, music week service, Central Presbyterian church.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-7:30 p. m., Grebe Synchrophase string ensemble; 7:30-8, Jim, Jack and Jean trio, Gogo Belanger, soloist; 8-9, Aeolian organ; 9-10, Movieland syncopators, Lola Gill and Mert Denman, soloists; 10-11, Packard Six dance orchestra.

KFWB, Hollywood, Calif. (252m-1190kc), 9-11 p. m., Warner Brothers' movie frolic, Len Nash and his Country Boys.

KGO, Oakland, Calif. (361.2m-830kc), 11 a. m., First Methodist Episcopal church; Bessie Roland, organist; 3:30 p. m., vesper services; 7:30, Anniversary Day program, California Conference Epworth league.

KGW, Portland, Ore. (491.5m-610kc), 10:25 a. m., First Presbyterian church; 7:30-9 p. m., First Congregational church; 9-10, Chevrolet symphony orchestra.

KHJ, Los Angeles, Calif. (405.2m-740kc), 7-8 p. m., First Methodist Episcopal church; 8-10, symphonic orchestra program of famous oratorios.

KNX, Hollywood, Calif. (336.9m-890kc), 8-9 p. m., First Presbyterian Church of Hollywood; 9-10:30, Sunday night classic hour.

KPO, San Francisco, Calif. (428.3m-700kc), 9:45 a. m., "The Secret of Happiness," Dr. C. O. Lundquist; 5-6 p. m., Marshall W. Giselman, organist; 6-6:30, States Restaurant orchestra; 6:35-8:35, Palace hotel concert orchestra; 8:35-10, Rudy Seiger's Fairmont hotel orchestra.

KPSN, Pasadena, Calif. (315.6m-950kc), 8:45 p. m., First Church of Christ, Scientist.

KTAB, Oakland, Calif. (239.9m-1250kc), 9:45-10:45 a. m., Bible lecture; 11-12:30 p. m., services; 7:45-9:15, services; 9:30-11, concert.

EDUCATIONAL FEATURES

Monday

Atlantic	Eastern	Central	Mountain	Pacific	
5:30p.m.	4:30	3:30	2:30	1:30	WNYC (526m-570kc), German lessons, V. H. Berlitz.
7	6	5	4	3	WEAF (491.5m-610kc), Columbia university lecture.
8:30	7:30	6:30	5:30	4:30	WSUI (483.6m-620kc), College of the Air.
9	8	7	6	5	KFKU (275.1m-1090kc), History of Music, Prof. C. S. Skilton.
9:35	8:35	7:35	6:35	5:35	WKAR (285.5m-1050kc), Engineering.
10	9	8	7	6	CKY (384.4m-780kc), U. of Manitoba. WHA (535.4m-560kc), U. of Wisconsin.
10:30	9:30	8:30	7:30	6:30	WHAZ (379.5m-790kc), Educational talk.
11:15	10:15	9:15	8:15	7:15	KWSC (348.6m-860kc), History courses.
1:30a.m	12:30	11:30	10:30	9:30	KGO (361.2m-830kc), "Character Training."

Tuesday

Atlantic	Eastern	Central	Mountain	Pacific	
8 p. m.	7	6	5	4	WKAR (285.5m-1050kc), Nature study. WTAG (367.7m-1120kc), Topics from U. S. History H. Allen Dickie.
8:30	7:30	6:30	5:30	4:30	KSAC (340.7m-880kc), College of the Air.
9:15	8:15	7:15	6:15	5:15	KDKA (309.1m-970kc), U. of Pittsburgh.
9:30	8:30	7:30	6:30	5:30	WRC (468.5m-640kc), Radio school of international relations.
9:45	8:45	7:45	6:45	5:45	KLDS (440.9m-680kc), Astronomy.
10	9	8	7	6	WMAQ (447.5m-670kc), Lecture, University of Chicago.
11:30	10:30	9:30	8:30	7:30	KFMX (336.9m-890kc), History lecture.

Wednesday

Atlantic	Eastern	Central	Mountain	Pacific	
6:30 p. m.	5:30	4:30	3:30	2:30	WNYC (526m-570kc), Spanish lesson, V. H. Berlitz.
7	6	5	4	3	WJZ (454.3m-660kc), New York university.
8:30	7:30	6:30	5:30	4:30	KSAC (340.7m-880kc), College of the Air.
9	8	7	6	5	WMAQ (447.5m-670kc), Lecture, Northwestern university.

Thursday

Atlantic	Eastern	Central	Mountain	Pacific	
8 p. m.	7	6	5	4	WKAR (285.5m-1050kc), Nature study series.
9	8	7	6	5	WSUI (483.6m-620kc), Correspondence course.
9	8	7	6	5	WGST (270.1m-1110kc), Georgia Tech.
10	9	8	7	6	CKY (384.4m-780kc), Nature study talk, Prof. V. W. Jackson. WMAQ (447.5m-670kc), U. of C. lecture. KUOA (299.8m-1000kc), U. of Arkansas.

Friday

Atlantic	Eastern	Central	Mountain	Pacific	
6:30p.m.	5:30	4:30	3:30	2:30	WNYC (526m-570kc), French lesson.
7	6	5	4	3	WJZ (454.3m-660kc), New York University course.
7:35	6:35	5:35	4:35	3:35	WGY (379.5m-790kc), French lesson.
7:45	6:45	5:45	4:45	3:45	WTIC (475.9m-630kc), Cartoon lessons, Bud Kingston.
8:30	7:30	6:30	5:30	4:30	KSAC (340.7m-880kc), College of the Air.
9	8	7	6	5	WKAR (285.5m-1050kc), State Department program.
9:15	8:15	7:15	6:15	5:15	WOAW (526m-570kc), "Musical Appreciation," Hester Bronson Copper. KDKA (309.1m-970kc), U. of Pittsburgh.
10	9	8	7	6	WMAQ (447.5m-670kc), U. of Chicago.
11:15	10:15	9:15	8:15	7:15	KWSC (348.6m-860kc), State College of Washington.
11:45	10:45	9:45	8:45	7:45	KOAC (280.2m-1070kc), "Geology," D. C. Divingston.

Monday, May 17

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific	
9 p. m.	8	7	6	5	WTIC (475.9m-630kc), Mme. Fely Clement, operatic soprano.
10	9	8	7	6	KUOA (299.8m-1000kc), Lambdin Chi orchestra.
10:30	9:30	8:30	7:30	6:30	WBZ (333.1m-900kc), Empire singing orchestra. WMC (499.7m-600kc), Paolo Grosso, violinist.
11	10	9	8	7	WSAI (325.9m-920kc), Greenland's orchestra. WOOD (241.8m-1240kc), Poe evening.
12 m.	11	10	9	8	WMC (545.1m-550kc), Parent-Teachers association.
12:45 a. m.	11:45	10:45	9:45	8:45	WSB (428.3m-700kc), Wendell Hall.

Monday, silent night for: CKAC, CNRA, CNRC, CNRE, CNRM, CNRO, CNRR, CNRT, CNRV, CNRW, KFAU, KFMX, KFWA, KHJ, KPSN, KSAC, KYW, WBBM, WCBD, WEAO, WEBH, WEBJ, WEBW, WENR, WGBF, WGBS, WGES, WGN, WHAS, WHT, WIBO, WIP, WJAZ, WJJD, WLIB, WLS, WMAQ, WMBB, WOAI, WOC, WOK, WORD, WQJ, WRC.

Atlantic or Eastern Daylight Saving Time Stations

CFCA, Toronto, Canada (356.9m-840kc), 6:15-7:15 p. m., Conger Coal concert orchestra.

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Saturday,

Headliner

Atlantic	Eastern	Centr
1 p. m.	12 n.	11

WGN (302.8m-990kc), V
WHAS (399.8m-750kc), K

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WOR (405.2m--740kc), Cope

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CNRO (435.8m-688kc), "A
KFNF (263m-1140kc), Scote
WSWS (275.8m-1090kc), Ch

9:30	8:30	7:3

KDKA (309.1m-970kc), We

10:30	9:30	8:3

WBZ (333.1m-900kc), Ray-

11	10	9

WFAA (475.9m-630kc), Foun

11:05	10:05	9:05

KTHS (374.8m-800kc), Accordion

12:10 a. m.	11:10	10:10

KGO (361.2m-830kc), Sanford band.

**Saturday, silent night for: CNRA, C
CNRM, CNRR, CNRT, CNRV, CNRW, K
KFRU, KFUO, KFXF, KMA, KOAC,
KSO, KTAB, KWSC, WABQ, WAIU, W
WCX, WDOD, WEAO, WEBJ, WEBW, W
WGCP, WGHP, WGST, WHA, WHAD,
WHO, WIP, WJAD, WJAR, WKAR, W
WMAZ, WNAD, WOS, WRVA, WTAG,**

Atlantic or Eastern Daylight Time Stations

CFCA, Toronto, Canada (356.9m-840kc), 9 cal comedy selections, dance program.

CKAC, Montreal, Can. (410.7m-730kc), Windsor hotel concert orchestra; 10:30, dance program.

CNRO, Ottawa, Can. (434.5m-690kc), 8 p Laurier concert orchestra; 9, Myriah Ke Mrs. O. A. Jarvis, soprano; Mrs. E. violinist; Charles Watt, baritone; "A I playlet; Mrs. E. Y. Browne, violinist; d

WCAE, Pittsburgh, Pa. (461.3m-650kc), dinner concert; 8:15, WEAF; 11, news.

WEAF, New York, N. Y. (491.5m-610kc), Vincent Lopez and his orchestra; orchest

WFI, Philadelphia, Pa., (394.5m-760kc), Bellevue Stratford concert orchestra; 7, ford dance orchestra; 8, recital; 8:15, m can Academy of Political and Social Irvine L. Lenroot, U. S. senator of Oh A. Garfield, president Williams colleg Brown Scott; 9, recital; 11, dance orch

WGBS, New York, N. Y. (315.6m-950kc) Monica Irwin, soprano; 9:30, Elizabeth Hall quartet.

WHAR, Atlantic City, N. J. (275.1m-109 Seaside hotel trio.

WIP, Philadelphia, Pa. (508.2m-590kc), Benjamin Franklin hotel concert orche Clothier, pianist; 8:15, Herman Ricker mond R. Lawson, baritone; George Ro linist; Estelle Shuull, pianist; 9, The chestra; 10:05, Benjamin Franklin El Pa chestra; 11:05, organ recital.

WJZ, New York, N. Y. (454.3m-660kc), 7 p. m., Commodore concert orchestra; 8, WRC; 10:30, Ho Vanderbilt orchestra.

WLIT, Philadelphia, Pa. (394.5m-760kc), 7:30 p. m., Benjamin Franklin hotel concert orchestra.

WMAK, Buffalo, N. Y. (265.3m-1130kc), 6:15-7:15 p. m., dinner music; 7:30-10:30, musical program.

WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Olcott Vail and his Hotel McAlpin ensemble; 11, Ernie Golden and his Hotel McAlpin orchestra; 12 midnight, McAlpin entertainers.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Adelphia dinner dance orchestra.

WOR, Newark, N. J. (405.2m-740kc), 6:30 p. m., Jacques Jacobs' Hotel Shelton ensemble; 7:30-7:45, Van's Collegians; 8:15, Copenhagen quartet; 9:15, La-Vorge-Berumen studio musicale.

WPG, Atlantic City, N. J. (299.8m-1000kc), 6:45 p. m., Arthur Scott Brook, organist; 7, Hotel Morton dinner music; 7:30, Elks Home dinner music; 8, Hotel Ambassador dinner music; 8:30, studio program; 9, Hotel Traymore concert orchestra; 10, Katz and his Kittens; Capitol theater organ; ensemble; studio program; 10-1 a. m., Tearney's Town club orchestra; Midway Garden orchestra; Pershing Palace orchestra; Capitol theater program; 1-2, orchestras.

WORD, Batavia, Ill. (275m-1090kc), 7 p. m., Webster hotel concert; 9, studio program.

WQJ, Chicago, Ill. (477.5m-670kc), 7-8 p. m., Ralph Williams and his Rainbo Garden concert orchestra; 10-3 a. m., Ralph Williams and Rainbo Skylarks; Jerry Sullivan, Rose Vanderbosch, soprano and pianist; Hal Lansing and his uke; Joe Warner, character songs; Oxford girls; Harmony singers; Rita McFawn and Mary Bieber, harmony duo; Gail Bandell, West Brothers; Melodians, Harmony singers.

WRC, Washington, D. C. (468.5m-640kc), 7 p. m., Irving Boernstein's Hotel Washington orchestra; 8:25, announced; 10:30, Meyer Davis' Swanee syncopators; 11:30-12 midnight, organ recital, Otto Beck.

WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., gram; 9, program, Clinton Miller, director; 10, Frank Hodek and his Nightingale orchestra.

WOC, Davenport, Iowa (483.6m-620kc), 9-10 p. m., Mrs. E. W. Keller, soprano; Evald Lawson, violinist; Bernard Reagan, baritone.

WRR, Dallas, Texas (245.8m-1220kc), 6-7 p. m., dinner hour musicale; 8-9, Elena Munster, soprano; Kathryn Kennedy, contralto; Mrs. Betty Judd, pianist.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., Atwater Kent hour; 10:45, program, Brenau college.

WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., Beasley Smith's orchestra; 8:15, barn dance program, features.

WSMB, New Orleans, La. (319m-940kc), 8:30 p. m., Theodore Roehl and associate artists concert.

Mountain Standard Time Stations

KFAU, Boise, Idaho (280.2m-1070kc), 8:15-10 p. m., Gooding college.

KFWA, Ogden, Utah (260.7m-1150kc), 9-10 p. m., Olle

WQJ (447.5m-670kc), St. Ilas choir.

11	10	9	8	7

KFAB (340.7m-880kc), York symphonic orchestra.

11:30	10:30	9:30	8:30	7:30

KPRC (296.9m-1010kc), Houston Municipal orchestra.

12 m	11	10	9	8

KHJ (405.2m-740kc), Famous oratorios.

Sunday, silent night for: CFAC, CHIC, CKAC, CKNC, CNRA, CNRC, CNRE, CNRM, CNRO, CNRR, CNRT, CNRV, CNRW, KFAB, KFAU, KFKX, KFOA, KFWA, KFXF, KLX, KMA, KMTR, KOAC, KOB, KOWW, KSAC, KSO, KUOA, KWSC, WABQ, WAHG, WAIU, WCAU, WDAF, WEAO, WEBJ, WEBW, WFI, WGBF, WGHB, WGHP, WHA, WHAS, WHAZ, WIP, WJAD, WJAZ, WJJD, WJR, WKAF, WKAR, WMAQ, WMAZ, WMC, WNYC, WOI, WOOD, WRC, WRVA, WSB, WSM, WTAM, WTIC.

WGN WILL BROADCAST KENTUCKY DERBY, INDIANAPOLIS AUTO RACE

High Lights of the Air

BEWARE Saturday afternoon, May 15, of betting according to the advice of Sam 'n' Henry because they are accompanying Quin Ryan, announcer of WGN, to Louisville and will be heard at intervals during the broadcast of the Kentucky Derby. From noon until the time the last horse in the final race gallops down the home stretch, WGN will be on the air. Every shout, every hoof-thud and all the color of the famous day will be brought to the homes of listeners. WEBH, Chicago, and WHAS, Louisville, will also broadcast the event.

Choristers with pig-tails and ribbons, blouses and short breeches will hold the microphone at WHAD, Milwaukee, Saturday afternoon, May 15. These youthful singers are between the ages of 8 and 14. Their simple rendering of "The Spider and the Fly," "The Little Sheperd Boy," "The Little Maids from School," and "The Sandman Is Calling You," will appeal to any grownup.

"The Three Fingered Villain" is the title of a talk which Professor George A. Hill of Wesleyan university will give from WTIC on Wednesday, May 19, at 8 p. m. Eastern Standard time. In order not to disappoint any who may be expecting a highly melodramatic monolog of blood and thunder, we will explain that the name of the villain is Poison Ivy, and that Professor Hill is to give an instructive talk on the venomous vine, including detailed instructions for curing all so unfortunate as to meet with it while walking in the woods. WTIC also announces a series of three recitals by Madame Fely Clement this month. Madame Clement who was well-known as a former member of the Boston Opera company, has recently returned from a successful European concert tour.

Canadians are celebrating a national holiday Wednesday, May 26, in Empire Day. Songs from England, Wales, Scotland, Ireland, Australia and Canada may be heard by tuning in CNRM, Montreal.

So many requests have been received by KOA, Denver, and KGO, Oakland, to repeat the mystery drama, "The Step On the Stairs," that the entire play will be given again at both stations. You may get all the thrills of this story by tuning in KGO on Thursday, May 20. KOA gives the production Monday, May 31.

The collegiate note will be struck at WLIT Friday evening, May 21, when members of the University of Pennsylvania give "Pinafore" over the air. This is one of the important broadcasts of the season.

An opera star who belongs to Radio is Margery Maxwell. Formerly a member of the Chicago Civic Opera company, Miss Maxwell has been adopted by Chicago Radio stations. Whenever a station opens or gives a birthday party she is invited to sing. She appears Friday, May 28, at KYW during the Federal Master Artists' concert.

This will be the third year that WGN has brought the auto race to the invisible Radio audience. Monday, May 31, the Indianapolis 500-mile auto race will be described by Quin Ryan. Many famous racing authorities will offer information during the race.

NOT a dental ad at all, but the Sunny Southern Four, Choc Phillips, Billy Heran, Eddie Chittenden, Less Applegate with the Marcus Show of 1926, facing the mike with a bit of humor at WSMB. Wednesday nights at 10:45 p. m. Central Standard time, they are ready to ride the ether. Madame Fely Clement, right, may be heard May 17 to 24, at WTIC, Hartford. This well-known singer was for four years a soprano with the Boston Grand Opera company. Not only has she made America recognize her as a singer but Europe also. She has just returned from a successful tour of continental Europe. Few American opera stars have achieved this triumph. Teaberry time at KDKA, Pittsburgh, practically means Jim Hughes, left. He is the author of these merry skits, the comedian and announcer, and he knows just how to tickle the Radio listener's funny bone.

Saturday, May 15

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
1 p. m.	12 n.	11	10	9

WGN (302.8m-990kc), WEBH (370.2m-810kc), WHAS (399.8m-750kc), Kentucky Derby.

8:15	7:45	6:45	5:45	4:45

WOR (405.2m-740kc), Copenhagen quartet.

9	8	7	6	5

CNRO (434.5m-690kc), "A Pile of Junk." KLNP (263m-1140kc), Scotch concert. WSWS (275.8m-1090kc), Chicago serenaders.

9:30	8:30	7:30	6:30	5:30

KDKA (309.1m-970kc), Westinghouse band.

10:30	9:30	8:30	7:30	6:30

WBZ (333.1m-900kc), Ray O Vac twins.

11	10	9	8	7

WFAA (475.9m-630kc), Four Horse Men.

11:05	10:05	9:05	8:05	7:05

KTHS (374.8m-800kc), Accordion solos, Joe Kuntz.

12:10 a. m.	11:10	10:10	9:10	8:10

KGO (361.2m-830kc), Hanford band.

Saturday, silent night for: CNRA, CNRC, CNRT, CNRM, CNRR, CNRT, CNRV, CNRW, KFKU, KFKX, KFRU, KFUO, KFXF, KMA, KOAC, KOB, KNAC, KSD, KTAB, KWSC, WABQ, WAIU, WBAL, WCAL, WCX, WDOD, WEAO, WEBJ, WEBW, WEMC, WGBF, WGCP, WGHP, WGRT, WHA, WHAD, WHAZ, WHN, WHO, WIP, WJAD, WIAR, WKAR, WLIT, WLWL, WMAZ, WNAD, WOS, WRVA, WTAG, WTIC, WWJ.

Atlantic or Eastern Daylight Saving Time Stations

CFCA, Toronto, Canada (356.9m-840kc), 9 p. m., musical comedy selections, dance program.

CKAC, Montreal, Can. (410.7m-730kc), 7:15 p. m., Windsor hotel concert orchestra, 10:30, Windsor hotel dance program.

CNRO, Ottawa, Can. (434.5m-690kc), 8 p. m., Chateau Laurier concert orchestra, 9, Mariah Kendall, pianist, Mrs. O. A. Jarvis, soprano, Miss L. Y. Browne, violinist, Charles Watt, baritone, "A Pile of Junk," playlet; Miss E. A. Browne, violinist, dance orchestra.

WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert; 8:15, WEAF; 11, news.

WEAF, New York, N. Y. (491.5m-610kc), 11-12 midnight, Vincent Lopez and his orchestra; orchestra.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra; 8, recital; 8:15, meeting American Academy of Political and Social Science. Hon. Irvine L. Lenroot, U. S. senator of Ohio. Dr. Harry A. Garfield, president Williams college. Dr. James Brown Scott; 9, recital; 11, dance orchestra.

WGBS, New York, N. Y. (315.6m-950kc), 9:10 p. m., Monica Irwin, soprano; 9:40, Elizabeth Bible Truth Hall quartet.

WHAR, Atlantic City, N. J. (275.1m-1090kc), 8 p. m., Seaside hotel trio.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin hotel concert orchestra; 7, Ethel Clothier, pianist; 8:15, Herman Rickers, tenor, Raymond R. Lawson, baritone, George Rodenbaugh, violinist; Estelle Small, pianist; 9, The Symphony orchestra; 10:05, Benjamin Franklin 14 Pathe dance orchestra; 11:05, organ recital.

WJZ, New York, N. Y. (454.3m-660kc), 7 p. m., Hotel Commodore concert orchestra; 8, WRC; 10:30, Hotel Vanderbilt orchestra.

WLIT, Philadelphia, Pa. (394.5m-760kc), 7:30 p. m., Benjamin Franklin hotel concert orchestra.

WMAK, Buffalo, N. Y. (265.3m-1130kc), 6:15-7:15 p. m., dinner music; 7:30-10:30, musical program.

WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Olcott Vail and his Hotel McAlpin ensemble; 11, Ernie Golden and his Hotel McAlpin orchestra; 12 midnight, McAlpin entertainers.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Adelphia dinner dance orchestra.

WOR, Newark, N. J. (405.2m-740kc), 6:30 p. m., Jacques Jacobs' Hotel Shelton ensemble; 7:30, Van's Collegians; 8:15, Copenhagen quartet; 9:15, La Forge Berumen studio musicale.

WPG, Atlantic City, N. J. (299.8m-1000kc), 6:15 p. m., Arthur Scott Brook, organist; 7, Hotel Morton dinner music; 7:30, Elks Home dinner music; 8, Hotel Ambassador dinner music; 8:30, studio program; 9, Hotel Traymore concert orchestra; 10, Kats and his Kittens.

Speed Wagon serenaders; Gold Standard ensemble; 10-12, Speed Wagon serenaders.

WSAI, Cincinnati, Ohio (325.9m-920kc), 7 p. m., chimes, Robert Badgley; 7:30, Bicycle Playing Card sextet; 9, musicale; 12 midnight, regular program.

WSWS, Chicago, Ill. (275.8m-1090kc), 6 p. m., Terrace Garden orchestra, Hazel Aspinwall, reader; Jean Dixon, contralto; 8, Chicago serenaders; Gus Edwards orchestra; 10, Zela Hansen, pianist, Alfred Holmes, Hall Sisters, Johnny Buckingham, Gus Edwards orchestra.

WTAM, Cleveland, Ohio (389.4m-770kc), 7 p. m., George Warmack's Strolling Gondoliers; 8, Hollenden hotel orchestra; 9, [illegible].

WTIC, Hartford, Conn. (475.9m-630kc), 7:20 p. m., Mildred Hage, violinist; 8, John Booth, baritone, 8:30, 10:30, Garden Pier dance orchestra, 11:30, Elks Home dance orchestra.

Eastern Standard or Central Daylight Saving Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 8:30 p. m., Westinghouse band.

WADC, Akron, O. (258.5m-1160kc), 6:30 p. m., dinner concert, Carnes Richards Hotel Portage quintet; 9, Riverview Park dance orchestra.

WBBM, Chicago, Ill. (225.4m-1330kc), 8-10 p. m., Moulin orchestra; Ziegler Stars, Tip trio; Smith and Ford; 10-11, Moulin orchestra, Vanity Fair orchestra; 11-2 a. m., Market Call quartet, Ziegler Stars, Fain and Warner, Smith and Ford.

WBZ, Springfield, Mass. (333.1m-900kc), 6:45 p. m., Repertory theater concert orchestra, 7:15, Dr. D. M. Staley, talk; 7:40, Kings of Harmony, 9, Bob Patterson's orchestra, 9:40, Ray O Vac Twins.

WEBH, Chicago, Ill. (370.2m-810kc), 8 p. m., songs, Frank Greif, 9:15-10, Edgewater Beach hotel Oriole orchestra; 11-12 midnight, Oriole orchestra; Kay Ronayne, [illegible] frolic.

WENR, Chicago, Ill. (265.3m-1130kc), 6-7 p. m., Rowland Isel trio, 8-9, popular program, Arthur Dunas; 9-10, All American Pioneers; 12, midnight frolic.

WGN, Chicago, Ill. (302.8m-990kc), 6-7 p. m., musical program, 7:15, Drake concert ensemble, Blackstone string quintet, request program, 8-8:10, Auld Study, 8:10-8:30, musical program, 8:30-9:10, light opera concert, 9-10, old time prize fight, 10-10:10, Sam 'n' Henry, 10-10:30, musical program, 10:30-10:40, play, [illegible].

WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., Hotel Onondaga program, 9:40, Hotel Van Curler dance orchestra.

WHT, Chicago, Ill. (399.8m-750kc), 7 p. m., Al Carney, organist, 8:15-10, (238m-1260kc), Cinderella orchestra, 10-11, (399.8m-750kc), Kitchen Klenzer entertainers, 10:50, Jack Turner, popular singer, Item Smith, [illegible].

WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., dinner concert, string trio, Francis Schlebe, soprano, George Hauer, baritone, Thelma Maxwell, soprano, Roger Tikne, tenor, organ recital.

WJAZ, Chicago, Ill. (329.5m-910kc), 9-2 a. m., dance program, opera club.

WJJD, Mooseheart, Ill. (370.2m-810kc), 5:40-6 p. m., dinner concert, Howard Peterson, organist, Palmer House symphony players, Palmer House Victorians, 8-9, Palmer House Victorians, Isabel Defaut, Lynn Farran; 10-11, Isabel Defaut, Victorians, Cook Sisters, 12-1 a. m., Victorians, Jack Nelson.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Stromberg-Carlson serenaders; 9, Jean Goldkette's serenaders, 10, Jean Goldkette's Victor Recording orchestra; 11:30, Merry Old Chief.

WKRC, Cincinnati, Ohio (325.9m-920kc), 10 p. m., Ace Brigode and his Fourteen Virginians, 11, Sam Jones; 11:15, Ace Brigode and his Fourteen Virginians.

WLS, Chicago, Ill. (344.6m-870kc), [illegible], barn dance.

WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., popular organ concert, [illegible], meeting of the Schalatz Hawkins Radio club, 8, Uncle Charlie Wattel and his Coon Dog orchestra, 9, Henry Theis and his orchestra.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago Theater organ, 6:30, Hotel LaSalle orchestra, 8, Dow and Pratt; 8:30, [illegible], Chicago theater revue.

WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon [illegible], [illegible], cellist, Margaret C[illegible], violinist, [illegible], pianist, Franklin [illegible], tenor, Arvid Anderson, baritone, Trianon [illegible], Woodlawn theater orchestra ensemble, Hilda Rothe, cellist, Margaret Conrad, violinist, Jimmy [illegible], Andy Anderson, Jack Goodwin, Trianon [illegible].

WOK, Chicago, Ill. (217.3m-1380kc), 4-30-7 p. m., Capitol theater organ, ensemble, studio program; 10-1 a. m., [illegible], [illegible] Garden orchestra, Pershing Palace orchestra; Capitol theater program, [illegible] orchestras.

WORD, Batavia, Ill. (275m-1090kc), 7 p. m., [illegible] hotel [illegible].

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Ralph Williams and his Rainbo Garden concert orchestra; 10-1 a. m., Ralph Williams and Rainbo Skylarks, Jerry Sullivan, Rose Vanderbosch, soprano, [illegible], Hal Lansing and his uke, Joe Warner, [illegible], Oscar [illegible], Harmony singers, Rita McF[illegible] and Mary Richer, harmony duo, Gail Bandell, West Brothers, Melodians, Harmony singers.

WRC, Washington, D. C. (468.5m-640kc), 7 p. m., [illegible], Hotel Washington orchestra, [illegible]; 11:30-12 midnight, [illegible].

WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., Grace Nichols, contralto; 8:15, Westminster glee club and dance club, 9:30, Palais Royal dance orchestra.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), [illegible] p. m., dinner concert, 8:30-10:30, KFAB staff artists.

KFH, Wichita, Kans. (267.7m-1120kc), 7-8 p. m., artists' program; 11-12, dance music, Hotel Lassen.

KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., Scotch concert, [illegible], old time music.

KLDS, Independence, Mo. (440.9m-680kc), 8 p. m., Elizabeth Tanner Hitchcock, organist.

KMA, Shenandoah, Iowa (252m-1190kc), 9-11 p. m., program, Marietta.

KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., Jacques Landree, organist; 7, Little Red Schoolhouse, Helen Brady and trio, 8, Koenig trio; 9, Joe Carolina, trumpeter, Rolf Gandant, 9:40, Jacque Landree, organist, Marguerite Schmidt, John Sauter, cellist; 11, Rendezvous club.

KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., musical and stage spotlight, West End Lyric theater.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:05-9:30 p. m., Joe Kuntz, accordion soloist; 9:30-10:30, dance music, New Arlington hotel [illegible].

KVOO, Bristow, Okla. (374.8m-800kc), 8-9 p. m., Marshall Van Pool and [illegible] Radio orchestra.

WAMD, Minneapolis, Minn. (243.8m-1230kc), 7-8 p. m., Harmony Boys, Frank and Fairnest, [illegible], Bluebird orchestra, Harmony Twins.

WBAP, Fort Worth, Texas (475.9m-630kc), 9:30-11 p. m., Hired Hand's Little [illegible].

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), [illegible] p. m., dinner concert, Wesley Barlow's Nicollet hotel orchestra, [illegible], Long's Golden Pheasant orchestra.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., [illegible], Trianon ensemble, 11:45-1 a. m., Nighthawk frolic.

WFAA, Dallas, Tex. (475.9m-630kc), 6:30-7:30 p. m., The Jefferson [illegible], Alpha Delta Pi sorority program; [illegible], Four Horse Men, 11-12, Jimmie Joy's orchestra.

WHAD, Milwaukee, Wis. (275.1m-1090kc), 6:15 p. m., [illegible], [illegible].

WHAS, Louisville, Ky. (399.8m-750kc), 7:30 p. m., Cardinal [illegible], St. Xavier glee club.

WMC, Memphis, Tenn. (499.7m-600kc), [illegible] p. m., Pla[illegible] orchestra.

WOAW, Omaha, Nebr. (526m-570kc), 6:30 p. m., orchestra; 7:15, [illegible] program; 8, program, [illegible] director; 10, Frank Hodek and his Nightingale orchestra.

WOC, Davenport, Iowa (483.6m-620kc), 9-10 p. m., Mrs. [illegible], [illegible] Lawson, violinist, [illegible].

WRR, Dallas, Texas (245.8m-1220kc), 6-7 p. m., [illegible], soprano, [illegible] Keith [illegible], Mrs. [illegible], pianist.

WSB, Atlanta, Ga. (428.3m-700kc), [illegible], Atwater Kent [illegible], [illegible] college.

WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., Reaves [illegible], program [illegible].

WSMB, New Orleans, La. (319m-940kc), [illegible] p. m., [illegible].

Mountain Standard Time Stations

KFAU, Boise, Idaho (280.2m-1070kc), [illegible] p. m., [illegible] college.

KFWA, Ogden, Utah (260.7m-1150kc), [illegible], Otis Reeves and his orchestra; 10-11, Paramount theater, 11-12 midnight, Olie Reeves and his orchestra.

KFXF, Colorado Springs, Colo. (249.9m-1200kc), 8 p. m., Mrs. Bertram T. Wheatley, soprano, Bertram T. Wheatley, pianist.

KOA, Denver, Colo. (322.4m-930kc), 7:30 p. m., Child prodigy program, 9, Harmony Peerless dance orchestra; 10:30, Scheuerman's Colorado dance orchestra.

KSL, Salt Lake City, Utah (299.8m-1000kc), 10 p. m., Odeon Dancing academy.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 5:30 p. m., Shelley Players' orchestra, Marta Evarts, Millie Hart, 6:30, Vest Pocket program; 7, Al Wesson and his orchestra; 8, grand opera program, Ysabel Bowen, Olga Steffani, Robert Hurd, Tom McLaughlin, Angelus trio; 9, Louise Klos, soprano and harpist; 10, Packard Radio club, 11, midnight frolic.

KFWB, Hollywood, Calif. (252m-1190kc), 6:30-7:30 p. m., Pontiac Six dinner hour; 8-10, Bill Hatch's Oakmont Country club orchestra; Charlie Wellman, tenor; 10-11, Warner Brothers frolic.

KGO, Oakland, Calif. (361.2m-830kc), 8:10 p. m., Baldwin Piano company program, Stanford band; Margery Hilwedler, soprano, flute quartet; 10-12, Madson's Middiesmen dance orchestra; Frank Gibney, tenor; Carl Winge, pianist.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., concert, Olds, Wortman and King company; 10-12 midnight, Indian Grill.

KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., Uncle John and the children, 8-10, Times de luxe program.

KNX, Hollywood, Calif. (336.9m-890kc), 7:30-8 p. m., program, Motor Transit stages; 8-9, program, Luna Park Amusement company, 9-10, studio program; 10-11, Ray West's Cocoanut Grove dance orchestra, 11-12 midnight, Hollywood nite, Filmland frolic.

KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7:20 p. m., States Restaurant orchestra, 8-12 midnight, Fairmont hotel dance orchestra; Maurice Gunsky, tenor; Merton Bories, pianist.

Sunday, May 16

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
6 p. m.	5	4	3	2

WHN (361.2m-830kc), Arabian Nights' entertainment.

7:20	6:20	5:20	4:20	3:20

KDKA (309.1m-970kc), Chimes.

8:30	7:30	6:30	5:30	4:30

WKAR (285.5m-1050kc), Dedication services, Peoples church.

9:15	8:15	7:15	6:15	5:15

WEAF (491.5m-610kc), WEEI, WCAP, WGR, WSAI, WWJ, WGN, KSD, Atwater Kent program.

10	9	8	7	6

WQJ (447.5m-670kc), St. Itas choir.

11	10	9	8	7

KFAB (340.7m-880kc), York symphonic orchestra.

11:30	10:30	9:30	8:30	7:30

KPRC (296.9m-1010kc), Houston Municipal orchestra.

12 m.	11	10	9	8

KHJ (405.2m-740kc), Famous oratorios.

Sunday, silent night for: CFAC, CHIC, CKAC, CKNC, CNRA, CNRC, CNRE, CNRM, CNRO, CNRR, CNRT, CNRV, CNRW, KFAB, KFAU, KFKX, KFOA, KFWA, KFXF, KLX, KMA, KMTR, KOAC, KOB, KOWW, KSAC, KSO, KUOA, KWSC, WABQ, WAHG, WAIU, WCAU, WDAF, WEAO, WEBJ, WEBW, WFI, WGBF, WGHB, WGHP, WHA, WHAS, WHAZ, WIP, WJAD, WJAZ, WJJD, WJR, WKAF, WKAR, WMAQ, WMAZ, WMC, WNYC, WOI, WOOD, WRC, WRVA, WSB, WSM, WTAM, WTIC.

DANCING

Central Time

Saturday

9, Webh, Wjaz, Wmbb, Wnyc, Wreo; 9-10, Kths, Wip; 9:30, Kths, Wgbs, Wor, Wrc; 10, Kfwo, Kfwa, Koa, Kpo, Weaf, Wgn, Wjaz, Wjr, Wkrc, Wmca, Wqja, Wor, Wqj, Wreo, Wtam; 10:05, Wcco; 10:30, Wamd; 10:45, Wls; 11, Kfwa, Kfwb, Kpo, Webh, Wfaa, Wgbu, Who, Wjaz, Wor; 11:30, Kfoa; 11:45, Wdaf; 12, Kfwa, Kgo, Kgw, Knx, Wgbu, Wjaz, Wjjd.

Monday

8, Wgep; 9, Wgbu, Wjaz, Wor; 9:15, Wahg; 10, Kths, Wgbu, Wgep, Wgr, Wnyc, Wpg; 10:15, Wor; 10:30, Kfoa, Wgep, Whn; 11, Kgw, Kfi, Wgbu, Wgep, Wgr, Wjn, Who; Wjaz; 11:45, Wdaf; 12, Knx, Kpo.

Tuesday

10, Kfwa, Webh, Weaf, Webb, Wgbs, Wgn, Whn, Wmca, Wgbs, Wjz, 10:15, Kths; 10:30, Kths, Whn; 10:45, Wgbs; 11, Kgw, Koil, Wgbu, Whn, Wjaz, 11:30, Kfwa, 11:45, Wdaf; 12, Kgw, Khj, Knx, Kpo, Wdaf, Wjaz, 1, Wqj.

Wednesday

9, Wcx, Webb, Wgbu, Wgep, Whn, Who, Wjaz, Wmbb, Wmca, Wor, 9:15, Wahg; 9:30, Wgep, Who, Wor; 10, Kfwo, Wgep, Weaf, Wgr, Wgep, Wjaz, Wqj; 10:15, Wgep; 10:30, Whn, Whn; 11, Koil, Kpo, Webh, Wgbu, Wgep, Wgr, Whn, Wjaz, 11:45, Wdaf, 12, Kfwa, Knx, Kpo, Wjaz, Wjjd.

Thursday

8, Wgr; 9, Webh, Weaf, Wgbs, Wgbs, Wjaz, Wmbb, Wqj, Wjaz, 9:05, Wbs, Wip; 9:30, Wgbs, Wgr, Who; Wgep; 10, Kths, Wcco, Weaf, Wgbs, Whn, Wcx, Wqj, 10:30, Kths, Whn, Webb, Wgbs, Who, Wjz, 11:45, Wdaf, 12, Kgo, Khj, Kna, Kpo, Wjjd.

Friday

8, Wgr; 9, Wcx, Webb, Weaf, Wgep, Wgbs, 9:30, Wahg, Wgep, Wnyc, Kfwo, Kpo, Kths, Wgbu, Who, Wjaz, Wgep.

Atlantic or Eastern Daylight Saving Time Stations

CFCA, Toronto, Canada (356.9m-840kc), 11 a. m., St. Paul's Anglican church; 7 p. m., Timothy Eaton Memorial church.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 5 p. m., recital; 5:15, Undenominational church services; 5:35, talk, Rev. John W. Stockwell; 6:30, Pennsylvania concert orchestra; 8, Bonwit Teller concert.

WEAF, New York, N. Y. (491.5m-610kc), 3-5 p. m., Sunday Radio service; 5:30-6, Russian choir; 6-7:20, musicale; 7:20-9:15, Capitol theater; 9:15, Atwater Kent program, WEEI, WSAI, WCAP, WCCO, WGN, WGR, WWJ.

WEEI, Boston, Mass. (348.6m-860kc), 2 p. m., Sager's hour of hospitality; 5:45, Friendly voice; 6, Jordan Marsh company's Sparkling Diamonds; 7:20, Major Bowes and his Capitol Family; 9:15, Atwater Kent Radio hour.

WFI, Philadelphia, Pa. (394.5m-760kc), 4:30 p. m., services, Rev. Jos. F. Newton of Memorial Church of St. Paul.

WGBS, New York, N. Y. (315.6m-950kc), 3 p. m., Arrowhead Inn orchestra; 4, Little Church Around the Corner.

WGR, Buffalo, N. Y. (319m-940kc), 10:45 a. m., Westminster Presbyterian church, 7:45 p. m., Central Presbyterian church; 9:15, WEAF.

WHAR, Atlantic City, N. J. (275.1m-1090kc), 10:45 a. m., Chelsea Baptist church; 2:15 p. m., Seaside hotel trio; 7:50, Chelsea Baptist church; 9, Seaside hotel ensemble.

WHN, New York, N. Y. (361.2m-830kc), 11:30 a. m.-12:30 p. m., Calvary Morning services; 12:30-1, Loew's Lexington organ recital; 2-3, Christian Endeavor program; 3-4:30, Bible class; 4:30-4:40, race results; 5-5:30, Roseland dance orchestra; 7:30-9:45, Calvary services; 10:15-11:15, Janssen's Hofbrau orchestra; 12-12:30 a. m., Sophie Tucker's playground.

WIP, Philadelphia, Pa. (508.2m-590kc), 10:45 a. m., services, Holy Trinity church.

WJAR, Providence, R. I. (305.9m-980kc), 7:20 p. m., WEAF, 9:15, WEAF.

WJZ, New York, N. Y. (454.3m-660kc), 8 p. m., variety program, Bakelite hour; 10, Godfrey Ludlow, violinist.

WLIT, Philadelphia, Pa. (394.5m-760kc), 2:30 p. m., Arcadia cafe concert orchestra; 7, Benjamin Franklin hotel concert orchestra; 8, recital, Friends of Chamber Music.

WLWL, New York, N. Y. (288.3m-1040kc), 8 p. m., Paulist [illegible].

WMAK, Buffalo, N. Y. (265.3m-1130kc), 10:25 a. m., First Presbyterian church; 7:30, p. m., Churchill tabernacle.

WMCA, New York, N. Y. (340.7m-880kc), 11 a. m., Christian Science services; 7:25, Halpert and Frysell, Buck [illegible], 7, Ernie Golden and his orchestra, 7:30, Olcott Vail and his string ensemble, 8:30, California Ramblers.

WOO, Philadelphia, Pa. (508.2m-590kc), 2:30 p. m., musical exercises, Bethany Sunday school, 6 p. m., organ recital; 7:30, services, Bethany Presbyterian church.

WPG, Atlantic City, N. J. (299.8m-1000kc), 3:15 p. m., Arthur Scott Brook, organist; 4:15, community recital; 9:15, Hotel Ambassador concert orchestra; 10, Adela Lane-Kennedy, pianist; Dora Davies Williams, soprano, Arthur Scott Brook, organist.

WTAG, Worcester, Mass. (267.7m-1120kc), 4-5:30 p. m., announced; 7:20-9:15, WTAG, 9:15-10:15, WEAF.

Eastern Standard or Central Daylight Saving Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), [illegible] a. m., Calvary Episcopal church, [illegible] p. m., organ recital; Charles Heinroth, [illegible] Presbyterian church; 7:30, children's period, 7:30, dinner concert; Little Symphony orchestra, 6:20, chimes, 6:45, East End Christian church.

WADC, Akron, Ohio (258.5m-1160kc), 12 p. m., organ recital, Allen theater.

WBAL, Baltimore, Md. (245.8m-1220kc), [illegible] p. m., WBAL [illegible] orchestra, John Wilbourn, tenor, Mat Romaine, [illegible].

WBBM, Chicago, Ill. (225.4m-1330kc), [illegible] p. m., [illegible] quartet, [illegible], Paul Cromwell, baritone, Vinola Linden, pianist, [illegible].

WEBH, Chicago, Ill. (370.2m-810kc), 10:40 a. m., Seventh Church of Christ, Scientist; 7-9, artists' program.

WENR, Chicago, Ill. (265.3m-1130kc), 9:15 a. m., Irving Park Lutheran church; 2-3 p. m., Skeeles-Biddle hour of better music; 3-4, Moody Bible Institute hour; 6-7, evening hour; 9:30-12, All American Pioneers.

WGN, Chicago, Ill. (302.8m-990kc), 6:15-7 p. m., musical program, 7-7:20, The Million Sing, 7:20-7:30, Old Fashioned Almanack, 7:30-7:45, Correll and Gosden; 7:45-8:15, Drake concert ensemble; Blackstone string quintet, 8:15-9:15, WEAF; 9:15-10, "Our Music Room," 10-10:10, Sam 'n' Henry, 10:10-11, musical program.

WGY, Schenectady, N. Y. (379.5m-790kc), 10 a. m., First Presbyterian church; 3 p. m., musical program; 7:30, organ recital, Elmer Tidmarsh, 7, First Presbyterian church; 9, violin recital, Godfrey Ludlow.

WHT, Chicago, Ill. (399.8m-750kc), 12n-10:30 p. m., Paul Rader.

WIBO, Chicago, Ill. (225.4m-1330kc), 10:15 a. m., First M. E. church of Evanston; 2-4 p. m., program, Uptown Conservatory of music; 6-8, dinner concert, string trio; Agnes Borkill, George Hauer, Helen Snyder, Eugene Wallenious, Robert York, 10-12, popular program.

WJAZ, Chicago, Ill. (329.5m-910kc), 7-9 p. m., Spanish Garden studio.

WJJD, Mooseheart, Ill. (370.2m-810kc), 7:15 a. m., Roman Catholic services, 9:40, Protestant services; 2:30 p. m., concert, 3:30, Bible class, 4-5, Palmer House symphony orchestra.

WJR, Pontiac, Mich. (516.9m-580kc), 10:30 a. m., First Baptist church.

WKAR, Lansing, Mich. (285.5m-1050kc), 7:30 p. m., People's church.

WKRC, Cincinnati, Ohio (325.9m-920kc), 6:15 p. m., Walnut Hills Christian church, 10, classical program; 11:15, Ace Brigode and his Fourteen Virginians.

WLS, Chicago, Ill. (344.6m-870kc), [illegible] p. m., U. of Chicago church services, 12 noon, Ralph Emerson, organist; 7-8:55, WLS Little Brown church.

WLW, Cincinnati, Ohio (422.3m-710kc), 9:30 a. m., Sunday school, Methodist Book concern, 10:45, Seventh Presbyterian church; 3 p. m., organ recital, [illegible]; 7:30, First Presbyterian church of Walnut Hills; 8:30, concert, [illegible] company, orchestra.

WMBB, Chicago, Ill. (249.9m-1200kc), 7:45-9 p. m., First Church of Christ, Scientist, 9-11, [illegible], Woodlawn theater orchestra, Arvid Anderson, [illegible], Welch and Mallon Sisters, [illegible].

WOK, Chicago, Ill. (217.3m-1380kc), 6 p. m.-1 a. m., Tearoom Town club orchestra, Midway Garden orchestra, Pershing Palace orchestra, Capitol theater, [illegible] program.

WORD, Batavia, Ill. (275m-1090kc), 10 a. m., [illegible]; 2 p. m., [illegible]; [illegible].

WQJ, Chicago, Ill. (447.5m-670kc), 10-12 noon, Peoples church, [illegible]; [illegible] organist; 3-4 p. m., [illegible] program, [illegible], pianist; Anna [illegible], violinist, Catherine Sullivan, [illegible], Mary [illegible], and Florence Winder, [illegible], [illegible], [illegible], violinist, and Ralph [illegible].

WREO, Lansing, Mich. (285.5m-1050kc), 10 a. m., Mayflower Congregational church.

WSAI, Cincinnati, Ohio (325.9m-920kc), 11 a. m., Avondale Methodist Episcopal church, 7:45 p. m., chimes, Robert Badgley; 8, Press Radio Bible service, 9:15, WEAF.

WSWS, Chicago, Ill. (275.8m-1090kc), 11 a. m., Moody church; 3:30-5, service; 7-9:30, evening song service.

WTAM, Cleveland, Ohio (389.4m-770kc), 11 a. m., services, 3 p. m., orchestra, 7, Loew's theater orchestra, 8, Fireside program.

WWJ, Detroit, Mich. (352.7m-850kc), 10 a. m., First Presbyterian church; 2 p. m., Detroit News orchestra; 6:20, WEAF; 8:15, WEAF.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 1:5 p. m., vesper service; 9-11, York symphonic orchestra.

KFDM, Beaumont, Texas (315.6m-950kc), 11-12 n., Episcopal church, 8-9 p. m., services.

KFH, Wichita, Kans. (267.7m-1120kc), 9:45 a. m., Men's Brotherhood Bible class; 11:15, First Methodist Episcopal church; 10-11, Coleman string quartet, soloists.

KFMX, Northfield, Minn. (336.9m-890kc), 7-8 p. m., vesper service.

KFNF, Shenandoah, Iowa (263m-1140kc), 10:45 a. m., First M. E. church, 2:30 p. m., Golden Rule song service; 4, Men's Gospel team, 6:30, Golden Rule circle, 7:30, Christian church services.

KFQA, St. Louis, Mo. (280.2m-1070kc), 8 p. m., Fourth Church of Christ, Scientist.

KLDS, Independence, Mo. (440.9m-680kc), 11 a. m., Stone church service; 2 p. m., I. O. O. F. program, 9:15, Walnut Park orchestra.

KMA, Shenandoah, Iowa (252m-1190kc), 8:30-9:30 a. m., sacred service; 1:5 p. m., church choir; 5-6, Rev. Lippitt.

KMOX, St. Louis, Mo. (280.2m-1070kc), 8 p. m., KFQA, 9, Skouras Brothers Sunday night club.

KPRC, Houston, Tex. (296.9m-1010kc), 11 a. m., South Main Baptist church, [illegible] p. m., Beaumont-Houston baseball game, 8, Baptist services, 9:30, Houston Municipal orchestra; 11, Texan theater pipe organ concert.

KSD, St. Louis, Mo. (545.1m-550kc), 5:15 p. m., WEAF.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 11 a. m.-12:30 p. m., First Presbyterian church, 9-10:10, classic hour, 10-11:15, Arkansas Traveler Radio special train, Henry Ford's orchestra.

KVOO, Bristow, Okla. (374.8m-800kc), 12:30-7 p. m., pipe organ, Rev. Leeper and his twenty piece string band, Laughlin Family, Oklahoma Boston band; Cushing Military band, 7-9, worship hour.

KYW, Chicago, Ill. (535.4m-560kc), 11 a. m., Central church, 7:30 p. m., studio program, 8, Chicago Sunday Evening club, 8-10-10, classical concert.

WAMD, Minneapolis, Minn. (243.8m-1230kc), 10:10 a. m., First Unitarian church services, 6:30 p. m., Arthur Faust and stock company, 9:30, Gayle Wood, pianist.

WBAP, Fort Worth, Texas (475.9m-630kc), 11 a. m., First Presbyterian church; 5-6 p. m., First Methodist church, 9:30-11, Texas hotel orchestra.

WCAL, Northfield, Minn. (336.9m-890kc), 8:30 a. m., Norwegian church services; 4:15 p. m., services.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 10:50 a. m., Hennepin Avenue M. E. church, 3 p. m., Christian Endeavor program, 4:10, Hour of Hope Presbyterian church, 5:50, Second Church of Christ, Scientist, 7:15, WEAF, 8, Luther Seminary glee club, 9:30, St. Paul Municipal organ recital, Hugo Goodwin.

WDAF, Kansas City, Mo. (365.6m-820kc), 3-4 p. m., program, Harry J. Kaufman string ensemble, 4:45, vespers.

WFAA, Dallas, Tex. (475.9m-630kc), 6-7 p. m., Bible class 7-8, Leland Johnson, pianist and singer, 8-9, First Methodist Episcopal church; 9-9:30, Pat and Penny, ukeleleist and yodeler, 11-12 midnight, Jack Gardner's orchestra.

WHAS, Louisville, Ky. (399.8m-750kc), 10 a. m., Virginia Avenue Methodist church, choir organ; 4:30, [illegible] service, Christ church cathedral, [illegible] organist, boys choir.

WHB, Kansas City, Mo. (365.6m-820kc), 9:45-10:45 a. m., [illegible] Bible class, [illegible], 11-12:15 p. m., [illegible] Bible class, [illegible].

WHO, Des Moines, Iowa (526m-570kc), 11 a. m., B'nai [illegible], [illegible], Bankers Life [illegible], [illegible], Bankers Life band, 11, Bankers Life Little symphonic orchestra.

WMC, Memphis, Tenn. (499.7m-600kc), [illegible], Presbyterian [illegible].

WOAW, Omaha, Nebr. (526m-570kc), 9 a. m., chapel service, [illegible] p. m., classical; 9, chapel.

WOC, Davenport, Iowa (483.6m-620kc), 1:2:30 p. m., [illegible] Christian church, 10, [illegible].

WOI, Ames, Iowa (270.1m-1110kc), 11 a. m., chapel services, Dr. James C. Baker.

WOS, Jefferson City, Mo. (440.9m-680kc), 9:30 a. m., Christian church.

WRR, Dallas, Texas (245.8m-1220kc), 10:45 a. m., First Baptist church; 7:30 p. m., First Baptist church; 9:10-10:10, Dr. James A. Wood, tenor.

WSB, Atlanta, Ga. (428.3m-700kc), 5 p. m., Associate Reformed Presbyterian church choir; 7:30, North Avenue Presbyterian church service.

WSM, Nashville, Tenn. (282.8m-1060kc), 10:30 a. m., services, First Presbyterian church.

WSOE, Milwaukee, Wis. (245.8m-1220kc), 3:30 p. m., Bible session, 5, American Legion Girl's band; 7:10, M. E. church.

WSUI, Iowa City, Iowa (483.6m-620kc), 9:30 p. m., familiar hymns, William G. Edmondson, Jr.

Mountain Standard Time Stations

KFXF, Colorado, Springs, Colo. (249.9m-1200kc), 11 a. m., First Presbyterian church; 7:30, First Methodist church.

KOA, Denver, Colo. (322.4m-930kc), 11 a. m., Music week service, Central Presbyterian church, 5 p. m., music hour, Denver College of Music; 6:30, Little symphony orchestra, 7:45, music week service, Central Presbyterian church.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-7:30 p. m., Grebe Synchrophase string ensemble, 7:30-8, Jim, Jack and Jean trio, Gogo Delanger, soloist, 8-9, Aeolian organ, 9-10, Moreland syncopators, Lola Gill and Mert Denman, soloists, 10-11, Packard Six dance orchestra.

KFWB, Hollywood, Calif. (252m-1190kc), 9-11 p. m., Warner Brothers' movie frolic, Len Nash and his Country Boys.

KGO, Oakland, Calif. (361.2m-830kc), 11 a. m., First Methodist Episcopal church, Bessie Roland, organist, 3:30 p. m., vesper services, 7:30, Anniversary Day program, California Conference Epworth league.

KGW, Portland, Ore. (491.5m-610kc), 10:25 a. m., First Presbyterian church; 7:30-9 p. m., First Congregational church; 9-10, Chevrolet symphony orchestra.

KHJ, Los Angeles, Calif. (405.2m-740kc), 7-8 p. m., First Methodist Episcopal church; 8-10, symphonic orchestra program of famous oratorios.

KNX, Hollywood, Calif. (336.9m-890kc), 8-9 p. m., First Presbyterian Church of Hollywood, 9-10:30, Sunday night classic hour.

KPO, San Francisco, Calif. (428.3m-700kc), 9:45 a. m., "The Secret of Happiness," Dr. C. O. Lundquist; 5-6 p. m., Marshall W. Giselman, organist; 6-6:30, States Restaurant orchestra, 8:15-8:35, Palace hotel concert orchestra, 8:35-10, Rudy Seiger's Fairmont hotel orchestra.

KPSN, Pasadena, Calif. (315.6m-950kc), 9:45 p. m., First Church of Christ, Scientist.

KTAB, Oakland, Calif. (239.9m-1250kc), 9:45-10:45 a. m., Bible lecture, 11-12:30 p. m., services, 7:45-9:15, services, 9:30-11, concert.

EDUCATIONAL FEATURES

Monday

Atlantic	Eastern	Central	Mountain	Pacific
5:30 p. m.	4:30	3:30	2:30	1:30

WNYC (526m-570kc), German lessons, V. H. Berlitz.

7	6	5	4	3

WEAF (491.5m-610kc), Columbia university lecture.

8:30	7:30	6:30	5:30	4:30

WSUI (483.6m-620kc), College of the Air.

9	8	7	6	5

KFKU (275.1m-1090kc), History of Music, Prof. C. S. Skilton.

9:35	8:35	7:35	6:35	5:35

WKAR (285.5m-1050kc), Engineering.

10	9	8	7	6

CKY (384.4m-780kc), U. of Manitoba. WHA (535.4m-560kc), U. of Wisconsin.

10:30	9:30	8:30	7:30	6:30

WHAZ (379.5m-790kc), Educational talk.

11:15	10:15	9:15	8:15	7:15

KWSC (348.6m-860kc), History courses.

1:30 a. m.	12:30	11:30	10:30	9:30

KGO (361.2m-830kc), "Character Training."

Tuesday

Atlantic	Eastern	Central	Mountain	Pacific
8 p. m.	7	6	5	4

WKAR (285.5m-1050kc), Nature study. WTAG (267.7m-1120kc), Topics from U. S. History, H. Allen Deale.

8:30	7:30	6:30	5:30	4:30

KSAC (340.7m-880kc), College of the Air.

9:15	8:15	7:15	6:15	5:15

KDKA (309.1m-970kc), U. of Pittsburgh.

9:30	8:30	7:30	6:30	5:30

WRC (468.5m-640kc), Radio school of international relations.

9:45	8:45	7:45	6:45	5:45

KLDS (440.9m-680kc), Astronomy.

10	9	8	7	6

WMAQ (447.5m-670kc), Lecture, University of Chicago.

11:30	10:30	9:30	8:30	7:30

KFMX (336.9m-890kc), History lecture.

Wednesday

Atlantic	Eastern	Central	Mountain	Pacific
6:30 p. m.	5:30	4:30	3:30	2:30

WNYC (526m-570kc), Spanish lesson, V. H. Berlitz.

7	6	5	4	3

WJZ (454.3m-660kc), New York university.

8:30	7:30	6:30	5:30	4:30

KSAC (340.7m-880kc), College of the Air.

9	8	7	6	5

WMAQ (447.5m-670kc), Lecture, Northwestern university.

Atlantic	Eastern	Central	Mountain	Pacific
9:15 p. m.	8:15	7:15	6:15	5:15

KDKA (309.1m-970kc), U. of Pittsburgh.

9:30	8:30	7:30	6:30	5:30

WSUI (483.6m-620kc), College of the Air.

10	9	8	7	6

WEAO (293.9m-1020kc), Fine Arts.

10:30	9:30	8:30	7:30	6:30

WEAO (293.9m-1020kc), Business letters.

10:15	9:15	8:15	7:15	6:15

WEMC (265.3m-1130kc), Bird chats.

11	10	9	8	7

WSAI (325.9m-920kc), U. of Cincinnati.

Thursday

Atlantic	Eastern	Central	Mountain	Pacific
8 p. m.	7	6	5	4

WKAR (285.5m-1050kc), Nature study series. WSUI (483.6m-620kc), Correspondence course.

9	8	7	6	5

WGST (270.1m-1110kc), Georgia Tech.

10	9	8	7	6

CKY (384.4m-780kc), Nature study talk, Prof. V. W. Jackson. WMAQ (447.5m-670kc), U. of C. lecture. KUOA (299.8m-1000kc), U. of Arkansas.

Friday

Atlantic	Eastern	Central	Mountain	Pacific
6:30 p. m.	5:30	4:30	3:30	2:30

WNYC (526m-570kc), French lesson.

7	6	5	4	3

WJZ (454.3m-660kc), New York University course.

7:35	6:35	5:35	4:35	3:35

WGY (379.5m-790kc), French lesson.

7:45	6:45	5:45	4:45	3:45

WTIC (475.9m-630kc), Cartoon lessons, Bud Kingston.

8:30	7:30	6:30	5:30	4:30

KSAC (340.7m-880kc), College of the Air.

9	8	7	6	5

WKAR (285.5m-1050kc), State Department program. WOAW (526m-570kc), "Musical Appreciation," Hester Bronson Copper.

9:15	8:15	7:15	6:15	5:15

KDKA (309.1m-970kc), U. of Pittsburgh.

10	9	8	7	6

WMAQ (447.5m-670kc), U. of Chicago.

11:15	10:15	9:15	8:15	7:15

KWSC (348.6m-860kc), State College of Washington.

11:45	10:45	9:45	8:45	7:45

KOAC (280.2m-1070kc), "Geology," D. C. Livingston.

Monday, May 17

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
9 p. m.	8	7	6	5

WTIC (475.9m-630kc), Mme. Fely Clement, operatic soprano.

10	9	8	7	6

KFOA (299.8m-1000kc), Lambdin Old orchestra.

10:30	9:30	8:30	7:30	6:30

WBZ (333.1m-900kc), Empire singing orchestra. WMC (499.7m-600kc), Pablo Grosso, violinist.

11	10	9	8	7

WSAI (325.9m-920kc), Greenland's orchestra. WOOD (241.8m-1240kc), Poe evening.

12 m.	11	10	9	8

WMC (545.1m-550kc), Parent-Teachers association.

12:45 a. m.	11:45	10:45	9:45	8:45

WSB (428.3m-700kc), Wendell Hall.

Monday, silent night for: CKAC, CNRA, CNRC, CNRE, CNRM, CNRO, CNRR, CNRT, CNRV, CNRW, KFAU, KFMX, KFWA, KHJ, KPSN, KSAC, KYW, WBBM, WCBD, WEAO, WEBH, WEBJ, WEBW, WENR, WGBF, WGBS, WGES, WGN, WHAS, WHT, WIBO, WIP, WJAZ, WJJD, WLIB, WLS, WMAQ, WMBB, WOAI, WOC, WOK, WORD, WQJ, WRC.

Atlantic or Eastern Daylight Saving Time Stations

CFCA, Toronto, Canada (356.9m-840kc), 6:15-7:15 p. m., Conger Coal concert orchestra.

Jack Crawford's Alemite orchestra, Maurice Silverman, tenor, Pauline Atlas, violinist, Lois Hammett, pianist; F. J. Porter, baritone; 11:59-3 a. m., Nutty club.

WBZ, Springfield, Mass. (333.1m-900kc), 9:35 a. m., South Congregational church; 6 p. m., Copley Plaza orchestra; 7, Golden Rule hour; 8, Paul Franck, French organist.

WCAP, Washington, D. C. (468.5m-640kc), 11 a. m., First Congregational church; 4 p. m., Outdoor service, 6:20, WEAF, 8:15, WEAF.

WCBD, Zion, Ill. (344.6m-870kc), 8 p. m., mixed quartet, Zion Preparatory chorus, McElroy Brothers, Chester Bagg, baritone, Mrs. Lucille Bird, soprano, Alice Peters, violinist, trio; Paul Stewart, cornetist; Bessie Schaefer, pianist.

MADAME CLEMENT RETURNS TO WTIC

Garden expert of the U. S. Department of Agriculture is W. R. Beatti, above. To listeners interested in gardens, his articles under the name of Uncle Bert are read from stations all over the United States. He is shown here facing one of the Washington microphones. To the right is Ruth Paterson, prima donna soprano, formerly of Chicago. Her charming personality is now enjoyed through KPRC, Houston.

Monday, May 17

CKNC, Toronto, Can. (356.9m-840kc), 9 p. m., Toronto Conservatory of Music instrumental trio; Madeline Bell, soprano; Edgar Smith, bass.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30 p. m., recital, N. Snellenburg and company; 8, Carolyn Thomas, soprano; 8:30, The Hood Boys; 8:45, Virginia Klein, pianist; 8, Merry Minstrels; 10, Madrigal mixed quartet.

WEAF, New York, N. Y. (491.5m-610kc), 4-12 midnight, Isabel Franklin, soprano; Celia S. Negin, pianist; Theodore Whiteman, baritone; Vincent Lopez and his orchestra; Anne Bacon, pianist; John Allegra, baritone; A. and P. Gypsies; "La Gioconda," WEAF Grand opera company; Ben Bernie and his orchestra.

WEEI, Boston, Mass. (348.6m-860kc), 7:30 p. m., Black Iron Shiners; 8, Walker; 8:15, Varsity Tire entertainers; 9, WEAF; 10, Ed Andrews and his Nautical Gardens orchestra.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra.

WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., Maxwell dance orchestra; 8:30, Kiwanis Twins, Perry and Herman; 9, Harriett Shire, soprano; artists; 9:30, B. North Good, popular pianist; 10, Bertha Drescher and associates; 11, Vincent Lopez and Hotel Statler dance orchestra.

WHAR, Atlantic City, N. J. (275.1m-1090kc), 8 p. m., Seaside hotel trio; 11, Follies Bergere dance orchestra.

WHN, New York, N. Y. (361.2m-830kc), 6:30 p. m., movie club; 7:30, Joe Ward's Swanee entertainers; 8:05, Roseland dance orchestra; 8:30, George's Surprise; 9, Leverich Three and "Peter the Great"; 9:30, Loew's New York orchestra; 10, Palisades Amusement Park orchestra; 12, Silver Slipper orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin hotel concert orchestra; 7, Uncle Wip's bedtime stories.

WJAR, Providence, R. I. (305.9m-980kc), 7:45 p. m., musical program; 9-11, WEAF.

WJZ, New York, N. Y. (454.3m-660kc), 8 p. m., Astor Coffee orchestra; 9, Reading Railroad Revelers; 10, Moorland hour.

WLIT, Philadelphia, Pa. (394.5m-760kc), 7:30 p. m., Dream Daddy's bedtime stories; 8:20, recital; 9, Stanley Hour of Music; 10, Arcadia cafe dance orchestra; 10:20, Zoehrns and Herscher, songs; 10:30, vaudeville features, Fay's theater; 10:45, Ben Franklin El Patio dance orchestra.

WLWL, New York, N. Y. (288.3m-1040kc), 8:30 p. m., Chamber music, Society of America; 9, question box; 9:30, Schickerling concert; 10, study club.

WMAK, Buffalo, N. Y. (265.3m-1130kc), 7:30-8 p. m., musicale; 8:30-9, song recital, Oral Thomas; 9-10, musical program, Philco hour; 10-11, musical program; 11-11:30, Teddy orchestra.

WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Olcott Vail and his Hotel McAlpin string ensemble; 6:30, Ernie Golden and his Hotel McAlpin orchestra; 7:30, Kurtz Karnival kings; 8, Terminal music hour; 10:30, Woodmansten Inn orchestra; 12, McAlpin entertainers.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Ritz-Carlton dinner dance orchestra; 8, organ recital; 9, A. & P. Gypsies; 10, Grand Opera, "La Gioconda"; 11, Adelphia dance orchestra.

WOR, Newark, N. J. (405.2m-740kc), 6:30 p. m., Hotel Bretton Hall quartet.

WTAG, Worcester, Mass. (267.7m-1120kc), 8:30-9 p. m., entertainers; 9-10, Robin Hood hour of music; 10-11, WEAF.

Eastern Standard or Central Daylight Saving Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 5:30 p. m., dinner concert, Pittsburgh Athletic association orchestra; 9, Rood Light opera hour.

WADC, Akron, Ohio (258.5m-1160kc), 9 p. m., Riverview Park dance orchestra.

WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., WBAL dinner orchestra; 8-9, Louise Schroeder, soprano; Gordon Phillips, tenor; Josef Privette, pianist; Arthur Morgan, violinist; Clyde McKay, baritone; 9:10-10, musicale; 10-11, WBAL ensemble.

WBZ, Springfield, Mass. (333.1m-990kc), 7 p. m., Capitol theater orchestra; 7:30, Rene Dagenais, organist; 8, Mr. Gehrman, bass-baritone; Saddie R. Yellen, soprano; 8:30, Empire Singing orchestra; 9:30, Robert Morris, Alice Guertin.

WCAP, Washington, D. C. (468.5m-640kc), 7-8 p. m., radio program; 8-10, WEAF.

WGHB, Clearwater, Fla. (266m-1130kc), 8:30-10 p. m., Caroline Lee, "The Virginia Girl" and her Spanish guitar; Mrs. Frank Delemater, contralto; Marion Hoffman, pianist; W. K. Powell, baritone.

WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., WGY orchestra; 8-8:30, orchestra.

WHAZ, Troy, N. Y. (379.5m-790kc), 8:30 p. m., Troy high school musical organizations; 10, Royal club orchestra.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Jean Goldkette's Petite symphony orchestra; 7:15, Caspar Lingeman entertainers; 7:45, Goodwill Oakland; 9, Paige and Jewett Sixes; 11:30, Merry Old Chief.

WKRC, Cincinnati, Ohio (325.9m-920kc), 6 p. m., Alvin Roehr and his Hotel Alms orchestra; 8, Eugene Perazzo, pianist; 8:20, Cincinnati public school program; 9, program, Robert E. Bentley Post; 12, Erwin Read's Garden.

WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., dinner concert, Hotel Gibson Florentine room; 7:30, theatrical feature; 8, Crosley Little symphony orchestra; 10, dance music, Castle Farm; 10:30, Crosley midnight serenaders.

WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9-10 p. m., Helmer Petersen, violinist; Kathleen Hatch, pianist; 10-11, "The Bells," Poe evening; WOOD ensemble; 11-12 mid., "18th Woodpile"; WOOD Syncopated ensemble.

WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., Speed-Wagon serenaders; Gold Standard ensemble.

WRVA, Richmond, Va. (256.3m-1170kc), 9 p. m., talent, West Point, Va.; 10:30, Pat Binford and Bright Keck; 11, Carry Me Back to Old Virginny.

WSAI, Cincinnati, Ohio (325.9m-920kc), 7 p. m., WEAF; 10, Greenland's orchestra.

WTAM, Cleveland, Ohio (389.4m-770kc), 6 p. m., Hollenden orchestra; 8, Willard symphony; 9, studio program; 10, Willard symphony; 11, Austin Wylie's orchestra.

WTIC, Hartford, Conn. (475.9m-630kc), 7:30 p. m., Capitol theater orchestra; 8, Mme. Fely Clement, operatic soprano; 8:30, Emil Heimberger's Hotel Bond dance orchestra; 9, WEAF; 10-11, Travelers symphonic ensemble.

WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7, studio program; 8, Detroit News orchestra; 9, A. and P. Gypsies.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., Trianon ensemble; 8-9, Ivanhoe band; 9-10, Star's Radio orchestra; 11:45-1 a. m., Ted Weems' Victor Recording orchestra; Ted Meyn, organist; Earl Coleman's orchestra.

WFAA, Dallas, Tex. (475.9m-630kc), 6:30-7:30 p. m., Durward Cline and his Collegians orchestra.

WGST, Atlanta, Ga. (270.1m-1110kc), 9-10 p. m., Yellow Jacket quartet; Bill Walton, pianist; Mandolin club.

WHA, Madison, Wis. (535.4m-560kc), 8 p. m., University school of music.

WHB, Kansas City, Mo. (365.6m-820kc), 7-8 p. m., Sweeney orchestra.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., dinner concert; 8:30-10:30, Orville Andres, Buick Warbler; Cowbell Boy; Belshaw's orchestra; Ed Ellington, original songbird.

KFH, Wichita, Kans. (267.7m-1120kc), 7-8 p. m., Gage Brewers' Hawaiians.

KFKU, Lawrence, Kans. (275.1m-1090kc), 7:15 p. m., Fiske Mountain, violinist; Alice Fearing, soprano; Virginia Arnold, pianist.

KFKX, Hastings, Nebr. (288.3m-1040kc), 5:30 p. m., KDKA; 9, Pritschau-Eckel orchestra.

KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., concert, Henry Field Seed company.

KMA, Shenandoah, Iowa (252m-1190kc), 9-11 p. m., Farnham trio.

KMOX, St. Louis, Mo. (280.2m-1070kc), 7 p. m., Brown Bilt Boys; Ed Goessling, baritone; Buster's Saxophone quintet; KMOX Radio orchestra; 8, Colonel 6121; 9:30, H. Muskens, Dutch tenor; 10, KMOX Radio orchestra; 11, Rendezvous club.

KPRC, Houston, Tex. (296.9m-1010kc), 7:30 p. m., Skyline studio concert; 7:45, dance music; 8:30, Max Shippee, tenor; Mrs. H. Whittington, accompanist; 9, Skyline studio concert.

KSD, St. Louis, Mo. (545.1m-550kc), 8 p. m., WEAF; 10, program, Parent-Teachers' association.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10-10 p. m., request numbers, Meyer Davis orchestra; 10-11, Lawson Reid, organist.

KUOA, Fayetteville, Ark. (299.8m-1000kc), 8 p. m., Lambda Chi orchestra.

KVOO, Bristow, Okla. (374.8m-800kc), 6-9 p. m., Mrs. J. C. Weaver, "Oklahoma's Sweetheart of the Air."

WAMD, Minneapolis, Minn. (243.8m-1230kc), 6 p. m., WAMD boys' A. C.; 7:05, Hartman Twins, Frank and Earnest; 7:15, popular program; Maurine Heft, pianist; Ruth Hokans, contralto; 11, Skyrocket frolic, Golden Gate orchestra.

WBAP, Fort Worth, Texas (475.9m-630kc), 7:30-8:30 p. m., Northern Texas Traction company orchestra; 9:30-11, musical program; 11-12, Lloyd McFalls orchestra.

WCAL, Northfield, Minn. (336.9m-890kc), 8:30 p. m., musicale.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6:15 p. m., St. Paul hotel concert orchestra; 8, University of Minnesota program; 9, Royal-Star ensemble; 9:30, Classical concert.

WCOA, Pensacola, Fla. (222m-1350kc), 7 p. m., Mrs. Benn's Young Ladies' chorus; Mollis McCaskill, vocalist; Tony Bruno, saxophonist; A. Morley Darby, baritone; Gladys Villar, pianist; Harry T. Howland, Jr., yodeler; Florida Footwarmers dance orchestra.

WHO, Des Moines, Iowa (526m-570kc), 7:30-9 p. m., Prof. Paul Stoye, pianist and composer; Prof. Joseph Gifford, reader; Fannie Wilkins Ryan, soprano; 11-12, organ recital, L. Carlos Meier.

WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Paolo Grosso and Celine Wright.

WOAW, Omaha, Nebr. (526m-570kc), 6:20 p. m., Frank Peterson, tenor; Helen Higgins, pianist; 6:50, Randall's Royal Fontenelle orchestra; 9, classical.

WOI, Ames, Iowa (270.1m-1110kc), 7:50 p. m., glee clubs.

WOS, Jefferson City, Mo. (440.9m-680kc), 9:15 p. m., program; 9:25, Margaret Green and Camilla Singleton, vocal and piano program.

WRR, Dallas, Texas (245.8m-1220kc), 6-7 p. m., Jack Gardner's orchestra; 8-9, Magnolia Petroleum company orchestra; 11-12, Phil Pierce, organist.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., Atlanta Chamber of Commerce; 10:45, Wendell Hall and R. Carroll.

WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., Beasley Smith's orchestra; 8:15, Mildred King, pianist; 10, pupils of Daisy Hoffman, pianist.

WSOE, Milwaukee, Wis. (245.8m-1220kc), 7 p. m., Elks club; 9, Illini club.

WSUI, Iowa City, Iowa (483.6m-620kc), 8 p. m., musical program.

Mountain Standard Time Stations

KFXF, Colorado Springs, Colo. (249.9m-1200kc), 9 p. m., Mrs. Cleora Wood Schmidt, soprano; Frank Havick, violinist; Percy Marshall, pianist; Wilhelm Schmidt, pianist.

KOA, Denver, Colo. (322.4m-930kc), 6 p. m., dinner concert, Brown Palace string orchestra; 7, open-air twilight concert, Greek theater; 8, studio program portraying spirit and development of the West; Harold Loring, pianist; Anita Deus, soprano; Ignacio Barrios, guitarist; Katherine Meany, pianist; Cowboy ballads; Mrs. Irving Green, contralto; Carlton Bowman, baritone; 10, dance program, Bill Zweifel's Harmony orchestra.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Owen Fallon's Californians; 8-9, Gusman trio, Jean Hayden, soprano; 9-10, program, Walter M. Murphy Motors company, KPO; Olga Steffani, contralto; Pryor Moore concert orchestra; 10-11, program, Meiklejohn Brothers.

KFWB, Hollywood, Calif. (252m-1190kc), 6:30-7:30 p. m., Pontiac Six dinner hour; 7:30-8, program, Dr. Ralph Mitchell and Associated Dentists; 8-9, program, Corduroy Tire stores; 9-10, program, Wright, Campbell and Ginder; 10-11, Warner Brothers' frolic.

KGO, Oakland, Calif. (361.2m-830kc), 8 p. m., Medley of Scotch airs, Arion trio.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-9, instrumental music; 9-10, vaudeville entertainment; 10-12, Cole McElroy's dance orchestra.

KNX, Hollywood, Calif. (336.9m-890kc), 7-7:30 p. m., Mutual Motors mirth contest; 7:30-8, program, Overells; 8-9, program, L. W. Stockwell company; 9-10, studio program; 10-11, Silvertown Cord orchestra; 11-12 midnight, Ambassador hotel dance orchestra.

KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7 p. m., States Restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel orchestra; 8-9, Gene James' Palace hotel Rose Room dance orchestra; 9-10, Walter M. Murphy Motors company; 10-11, Cabiria cafe dance orchestra.

KTAB, Oakland, Calif. (239.9m-1250kc), 8-10 p. m., program.

KWSC, Pullman, Wash. (348.6m-860kc), 7:15 p. m., John King, vocalist; Gladys Anderson, violinist; Margaret Amundson, pianist.

Tuesday, May 18

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
7 p. m.	6	5	4	3
WEBJ (272.6m-1100kc), Scottish night.				
8:10	7:10	6:10	5:10	4:10
WIP (508.2m-590kc), Celeste trio.				
9:30	8:30	7:30	6:30	5:30
WHAS (399.8m-750kc), Zoeller's Melodists.				
WHO (526m-570kc), Raleigh quintet.				
10	9	8	7	6
KFAU (280.2m-1070kc), Columbian club.				
WCCO (416.4m-720kc), Home Brand minstrels.				
10:15	9:15	8:15	7:15	6:15
WGHP (270.1m-1110kc), Wolverine quartet.				
11	10	9	8	7
WOC (483.6m-620kc), Five Melodie Monarchs.				
12 m.	11	10	9	8
KGO (361.2m-830kc), "Adolpho," California male quartet.				

Tuesday, silent night for: CFCA, CHIC, CKNC, CNRC, CNRE, CNRM, CNRO, CNRT, CNRW, KFKX, KUOA, KFUO, KFWA, KOA, KOAC, KOB, KOWW, KUOM, KSAC, KTAB, KWSC, WABQ, WAHG, WAIU, WAMD, WBBR, WCAL, WCAP, WEMC, WGCP, WHA, WHAZ, WJAZ, WKAF, WLWL, WMAK, WMAZ, WOI, WOS, WSMB, WSUI, WTAM, WTIC.

Atlantic or Eastern Daylight Saving Time Stations

CKAC, Montreal, Can. (410.7m-730kc), 7:15 p. m., Windsor hotel dinner concert; 10:30, Leonard's Red Jackets.

CNRA, Moncton, Can. (312.4m-960kc), 9 p. m., Evelyn Crowell, pianist; Miss B. DeLong, soprano; Jean Fraser, violinist; Ella Courtney, contralto; Helen Wilson, pianist; H. V. Musgrave, baritone; 11, CNRA dance orchestra.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:30 p. m., Parodians orchestra; 7:30, Snellenburg instrumental trio; 8, theater digest; 8:10, The Three Brothers; 8:25, Peter Ricci, baritone; 8:45, Higgins and Burke, songwriters; 9, Robert Fraser, blind gospel singer; 9:30, Esther Lawrence and her players; 10, Malle and Dougherty, songs; 10:30, Cathay Tea Garden, orchestra.

WEAF, New York, N. Y. (491.5m-610kc), 4-12 midnight, Sadrian trio; Vincent Lopez and his orchestra; Max Kalfus, tenor; Grand Prize Eurekas, Gold Dust Twins; Eveready hour; Vincent Lopez and his orchestra.

WEBJ, New York, N. Y. (272.6m-1100kc), 7-7:30 p. m., Dan Barnett's orchestra; 7:30-7:45, Luna Park, Coney Island program; 8, R. Tauk, G. Geer; 8:10, Sara Turits, soprano; 8:20, Jerry Alexander's entertainers; 8:30-9, Luna Park, Coney Island program.

WEEI, Boston, Mass. (348.6m-860kc), 7:30 p. m., Minute men; 8-11:30, WEAF.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra; 8, WEAF; 10:30, Vincent Lopez and his orchestra.

WGBS, New York, N. Y. (315.6m-950kc), 8:30 p. m., Jonas Butenas, Lithuanian baritone; 9, Bach's double concerto, George Schwiller and Abraham Samilowitz.

WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., Vincent Lopez and Hotel Statler dance orchestra; 8, WEAF.

WHAR, Atlantic City, N. J. (275.1m-1090kc), 8 p. m., Seaside hotel trio; 9, studio concert.

WHN, New York, N. Y. (361.2m-830kc), 6:30 p. m., Everglades orchestra; 7, Vincent Lopez Iceland orchestra; 7:30, Will Oakland's Chateau; 8, Treasureland Neighbors; 9, orchestra; 11, Anatol Friedland; 11:30, Sophie Tucker's Playground; 12, Harry Richman and his entertainers.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Monte Cross, "Old-Timer"; 7, Edward Whitfield, violinist; 8:10, The Celeste trio; 8:50, glee club, Ursinus college; 10:05, Movie talk, Eli M. Orowitz; 10:30, El Patio dance orchestra.

WJAR, Providence, R. I. (305.9m-980kc), 7:30 p. m., musical program; 8-10, WEAF.

WJZ, New York, N. Y. (454.3m-660kc), 8:30 p. m., Deltah Pearl hour; 10, Grand tour, "Scandinavian Capitols"; 10:45, George Olsen's Hotel Pennsylvania Grill orchestra.

WLWL, New York, N. Y. (288.3m-1040kc), 9:30 p. m., Premier male quartet; 10:15, Premier male quartet.

WMAK, Buffalo, N. Y. (265.3m-1130kc), 6:15-7:15 p. m., musical; 10:30-11:30, Art Landry's Victor Recording orchestra.

WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Olcott Vail and his string ensemble; 7, Hofbrau Haus entertainers; 7:30, Sachs musical monarchs; 8, Pace Institute program; 8:30, California Ramblers; 9:30, Columbia Park entertainers; 11, McAlpin orchestra; 12, McAlpin entertainers.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Adelphia dance orchestra.

WOR, Newark, N. J. (405.2m-740kc), 6:30 p. m., Jacques Jacobs' Hotel Shelton ensemble; 7:15-7:30, Zit's Central Park Casino orchestra; 9, Gertner's string quartet; 10:45-12, Billy Rose Fifth Avenue club orchestra.

WTAG, Worcester, Mass. (267.7m-1120kc), 8-8:30 p. m., WEAF; 9-11:30, WEAF.

Eastern Standard or Central Daylight Saving Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 8:30 p. m., sacred song half hour; 9, Little symphony orchestra; 11:35, concert, Grand theater.

WADC, Akron, Ohio (258.5m-1160kc), 8 p. m., studio program; 9, dance orchestra; 10, Times Press hour.

WBAL, Baltimore, Md. (245.8m-1220kc), 8-9 p. m., Hilda Hopkins Burke, soprano; Celia Brace, violinist; George Bolek, pianist; 9-10, U. S. Naval Academy band; 10-10:30, WBAL male quartet; 10:30-11, Frederick Weaver, organist.

WBBM, Chicago, Ill. (225.4m-1330kc), 8-9:30 p. m., Alemite orchestra; Metropolitan mixed quartet; 9:30-10, Moss Covered melodies; 10-11, Harmonious hash, Howard Osborne's vanity fair orchestra; Matched-Unit quartet; 11-12, midnight, dance period.

WBZ, Springfield, Mass. (333.1m-900kc), 7 p. m., Deerfield Academy glee club; 8, WBZ Movie club; 9, Martha Lindeley Barrington, pianist; 9:30, Wayside dance orchestra.

WCBD, Zion, Ill. (344.6m-870kc), 8 p. m., Mandolin and guitar club; Kindergarten classes chorus; Alexander DePew, flutist; Mrs. Hulda Klammer, reader; Gladys Taylor, pianist.

WEBH, Chicago, Ill. (370.2m-810kc), 7-8 p. m., Edgewater Beach Hotel Oriole orchestra; Kathryn Forbes; Lydia Lochner; 9:10-10, Uptown theater; 11-12:30, Gail Bandell; Syncopating Serenaders.

WENR, Chicago, Ill. (265.3m-1130kc), 6-7 p. m., Rauland lyric trio; 8-9, Arthur Dunas; 9-10, Moody Bible Institute evening hour.

WGN, Chicago, Ill. (302.8m-990kc), 6:45-7:15 p. m., Blackstone string quintet, Drake concert ensemble; 8-9, WEAF; 9-10, "The Bohemian Girl"; 10-10:10, Sam 'n' Henry; 10:10-10:20, musical program; 10:20-10:40, play shop; 10:40-11, musical program, ensemble.

WGY Schenectady, N. Y. (379.5m-790kc), 6:45 p. m., WGY orchestra, Elizabeth Carrigan, contralto; 7:30, WJZ; 9, WJZ; 9:30-10, Beaver hour.

WHT, Chicago, Ill. (399.8m-750kc), 7 p. m., Al Carney, organist; 7:40, Grayling's ensemble; 7:50, Loftis Diamond quartet; 8:45-10:15, (238m-1260kc), Cinderella cafe orchestra; 10:30, (399.8m-750kc), Kitchen Klenzer entertainers; 10:50, Pat Barnes and Al Carney; 11:10, U. S. L. half hour of dance music; 12, your hour league.

WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., dinner concert; WIBO string trio; Chester Neumann, baritone;

EMPIRE DAY MUSIC THROUGH CNRM

Tuesday, May 18

Agnes Buchli, soprano; Charlotte Edwards, contralto; Ruth Flick, reader; organ recital; 12, jamboree; Ted Fiorito, pianist; Dan Russo, violinist; Marie Tully, songs; Wayne Myers, monologist, artists.

WJAZ, Chicago, Ill. (329.5m-910kc), 9-1 a. m., Club Chez Pierre; Earl Hoffman's Chez Pierre orchestra; "The Quips that pass in the Night"; William Hayden, tenor; Martha Barkema, soprano; Chez Pierre revue.

WJJD, Mooseheart, Ill. (370.2m-810kc), 5:30-7 p. m., dinner concert; Jack Nelson; Howard Peterson, organist; Palmer House symphony players; Victorians; 8-9, child artists; 10-11, Victorians; Russian music, Rushmore ensemble singers; 12:30 a. m., Settin' Up hour.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Glover Watson old-time dance orchestra; 8, Tom Bartel's Boys, 9, Jean Goldkette's orchestra.

WKRC, Cincinnati, Ohio (325.9m-820kc), 10 p. m., Eugene Perazzo, organist; 11, popular song features; 11:15, song features; Doc Howard's WKRC Broadcasters.

WLS, Chicago, Ill. (344.6m-670kc), 6:30 p. m., Elsie Look, organist; 6:45, College Inn orchestra; 7:15, Davis Edwards, reader; 7:30, Ralph Emerson, organist; 7:50, Voice of the Listener; 8-8:55, Etude hour, Columbia School of music.

WLW, Cincinnati, Ohio (422.3m-710kc), 7:30 p. m., piano memories, Mary Louise Woszczek; 8, solo and ensemble program, trio of artists, Cincinnati Conservatory of Music; 9, concert, Formica Insulation company orchestra.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Hotel LaSalle orchestra; 8, musical program; 9:20, musical program, chimes.

WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon ensemble; Hilda Hinrichs, cellist; Margaret Conrad, violinist; Preston Grayes, pianist; Genevieve Burnham, operatic soprano; Wellington Forbes, tenor; operatic program; 9-11, Trianon orchestra; Woodlawn theater orchestra; Oxford Girls, Harmony duo, Joe Warner; Nora Norraine and Lou Sievers, popular program.

WOK, Chicago, Ill. (217.3m-1380kc), 4:30-7 p. m., Capitol theater organ; tenor; string ensemble; 10-1:30 a. m., Tearney's Town club orchestra; Pershing Palace orchestra; Midway Garden orchestra; Capitol theater program, studio program.

WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9-10 p. m., Ye Olde Tyme Songe Feste, Roy Clark, Sally Simpkins; 10-11, Regent Little symphony; Van Wyck institute quartet.

WORD, Batavia, Ill. (275m-1090kc), 7 p. m., Public Service Company of Northern Illinois; 9, musicale; 11, Bruce Bell.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Ralph Williams and his Rainbo Gardens concert orchestra; Christian Grimm, pianist-composer; Jean St. Anne, French baritone; 10-1 a. m., Ralph Williams and Rainbo Skylarks; Rose Vanderbosch, soprano and pianist; Hal Lansing and uke; Bert Davis, Everett Opie; Harold Olson, baritone; 1-2, Ginger hour.

WRC, Washington, D. C. (468.5m-640kc), 7:30 p. m., WJZ; 8, announced; 9, WJZ; 9:30, announced; 10:30, Meyer Davis' Swanee syncopators.

WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., Speed-Wagon serenaders; Gold Standard ensemble; 8:15, Reo Motor Car company band.

WRVA, Richmond, Va. (256.3m-1170kc), 11 p. m., Old South Negro quartet; 11:30, Harold Lawrence; 12-1 a. m., Hotel Richmond Winter Garden orchestra; Art Perkins, ukulele soloist.

WSAI, Cincinnati, Ohio (325.9m-920kc), 7 p. m., WEAF; 7:30, musicale; 8, WEAF; 9, Maids of Melody.

WSWS, Chicago, Ill. (275.8m-1090kc), 6 p. m., Terrace Gardens; 8, James W. Wolfe, baritone; Jean St. Anne, French baritone; Gus Edwards orchestra; 10, Terrace Gardens.

WTAM, Cleveland, Ohio (389.4m-770kc), 6 p. m., State theater vaudeville; 7, WEAF; 7:30, WEAF; 10, studio program; 11, Singing syncopators.

WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7, WEAF.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., dinner concert; 8:05-10:30, program, University of Nebraska.

KFDM, Beaumont, Texas (315.6m-950kc), 8-10 p. m., orchestra.

KFH, Wichita, Kans. (267.7m-1120kc), 7-8 p. m., classical musical program.

KFKU, Lawrence, Kans. (275.1m-1090kc), 8 p. m., senior recital, Ruth Whitfield, pianist.

KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., old-time music, Hay Mow 5.

KLDS, Independence, Mo. (440.9m680kc), 8 p. m., studio program.

KMA, Shenandoah, Iowa (252m-1190kc), 9-11 p. m., May's Mandolin musicians.

KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., dinner concert, Mrs. Jacque Landree; 7, Little Red school house; 8, Porter Brown, banjoist; Cotton Pickers; KMOX Radio orchestra; 9, Marguerite Schmidt, pianist; David Bittner, violinist; 9:30, trio; 10, KMOX Radio orchestra; 11, Rendezvous club.

KPRC, Houston, Texas (296.9m-1010kc), 7:30 p. m., Billie Mack's dance orchestra; 8:30, Skyline studio concert.

KSD, St. Louis, Mo. (545.1m-550kc), 6-9:30 p. m., WEAF.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10-10 p. m., Lon Chassy, violinist; Edward Richter, cellist; John Heyn, pianist; 10-10:15, vocal solos, Richardine Ford; 10:15-10:30, accordion novelties, Joe Kuntz.

KUOA, Fayetteville, Ark. (299.8m-1000kc), 8 p. m., H. Tovey, pianist; solo recital.

KVOO, Bristow, Okla. (374.8m-800kc), 6-9 p. m., Jimmie Wilson and his Catfish string band.

KYW, Chicago, Ill. (535.4m-560kc), 6-7 p. m., musical program; 7-8, musical program; 8:30-9:30, classical concert; 9:30-10:30, Congress carnival.

WBAP, Fort Worth, Texas (475.9m-630kc), 7:30-8:30 p. m., Clyde Massengale, baritone; Mrs. Florence Massengale, pianist; 9:30-11, Caroline Bell McFarland.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6 p. m., WEAF; 8, Home Brand minstrels.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., Trianon ensemble; 11:45-1 a. m., Nighthawk frolic.

WFAA, Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m., Jimmie Joy's orchestra; 8:30-9:30, Southern Methodist university school of music; 11-12, Hedley Cooper, violinist.

WGBF, Evansville, Ind. (236.1m-1270kc), 8 p. m., popular music; 9, Courier classical hour.

WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., Carl Zoeller's Melodists.

WHB, Kansas City, Mo. (365.6m-820kc), 7-7:45 p. m., organ concert, Linwood theater; 8-9, varied musical program; 9-10, Bender trio, old-time square dance music.

WHO, Des Moines, Iowa (526m-570kc), 7:30-8 p. m., Raleigh quintet; 8-9, Mui Phi Epsilon National musical sorority; 11-12 midnight, Bankers' Life Corn Sugar orchestra.

WHO, Des Moines, Iowa (526m-570kc), 7:30-8 p. m., Raleigh quintet; 8-9, varied musical program; 11-12, Bankers Life Corn Sugar orchestra.

WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Mrs. O. H. Muehler; 11, Britling's cafeteria orchestra.

WOAW, Omaha, Nebr. (526m-570kc), 6:50 p. m., Herb Fiemen and his orchestra; 9, program, Hannan-Van Brunt company; 10:30, Frank Hodek and his Nightingale orchestra.

WOC, Davenport, Iowa (483.6m-620kc), 6-6:30 p. m., WEAF; 6:30-8, WEAF; 9-10, Five Melodie Monarchs.

WRR, Dallas, Texas (245.8m-1220kc), 6-7 p. m., Jack Gardner's orchestra; 8-9, Montgomery, the photographer.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., Wendell Hall; 10:15, Wendell Hall.

WSM, Nashville, Tenn. (282.8m-1060kc), 10 p. m., frolic, Harry Bailey's Southern Serenaders.

WSOE, Milwaukee, Wis. (245.8m-1220kc), 7 p. m., Elks club; 9, classical music.

Mountain Standard Time Stations

CNRR, Regina, Can. (476m-630kc), 8 p. m., studio program.

KFAU, Boise, Idaho (280.2m-1070kc), 8-10 p. m., Boise Artists' night.

KFXF, Colorado Springs, Colo. (249.9m-1200kc), 8 p. m., Laurel vocal quartet; Henrietta Templeton, pianist; 9:15, Gray's Collegiate orchestra.

KOA, Denver, Colo. (322.4m-930kc), 6 p. m., Brown Palace string concert orchestra; 7, open-air twilight concert, Greek theater; 8, special program, Veterans of the Wars of U. S.; Mary Read, organist; H. MacDonald, baritone; Estelle Philleo, pianist; Earl Linder, tenor; choral and band numbers; Alexander Grant, baritone; Marjorie Mellow, soprano; Lillian Donnery, contralto; 10, Music club, 65 voices.

Pacific Standard Time Stations

CNRV, Vancouver, Can. (291.1m-1080kc), 9 p. m., B. C. musical festival.

KFI, Los Angeles, Calif. (467m-642kc), 7-7:30 p. m., Virginia ballroom orchestra; 7:30-8, vocal program; 8-9, screen artists quartet; 9-10, program, A. V. Shotwell corp.; 10-11, Packard Radio club.

KFWB, Hollywood, Calif. (252m-1190kc), 6:30-7:30 p. m., Pontiac Six dinner hour; 8-9, program, Richard Hellman, Inc.; 9-10, Warner Brothers' syncopators; 10-11, Warner Brothers' frolic.

KGO, Oakland, Calif. (361.2m-830kc), 8-9 p. m., Eveready program; David Rosebrook, cornetist; Harmonica and the "Rattle Bones," Joseph de Fao; Neapolitan songs, quartet; accordion solos and "Wop" stories, Adolpho; 9:10-10, Salvation Army band concert; B. Rogers, cornetist; Carl Anderson, tenor; 10-12, dance music, Madson's Midshipmen.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 10-12, Herman Kenin's dance orchestra.

KHJ, Los Angeles, Calif. (405.2m-740kc), 8-9 p. m., Southern California Baptist Young Peoples' program; 9-10, Frederick MacMurray, viola soloist.

KNX, Hollywood, Calif. (336.9m-890kc), 7-7:45 p. m., program, Geo. E. Read, Inc.; 8-9, program, Builders Finance Ass'n; 9-10, program, Western Auto Supply company; 10-12 midnight, Ambassador hotel dance orchestra.

KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7 p. m., States Restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel orchestra; 8-9, Munier quartet; 9-10, Mona Motor Oil trio; 10-11, Palace Hotel Rose Room dance orchestra.

KPSN, Pasadena, Calif. (315.6m-950kc), 8-9 p. m. Adolf Tandler instrumental group.

KTAB, Oakland, Calif. (239.9m-1250kc), 8-9 p. m., Mills college.

Wednesday, May 19

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
7:30 p. m.	6:30	5:30	4:30	3:30
WMAK (265.3m-1330kc), Margaret Ritter and friends.				
9	8	7	6	5
WGY (379.5m-790kc), Euterpe glee club.				
WTAG (267.7m-1120kc), Jacques' trio.				
10	9	8	7	6
WJAR (305.9m-950kc), Tabloid musicale.				
10:05	9:05	8:05	7:05	6:05
WOS (440.9m-680kc), Sunny Sawyers.				
10:30	9:30	8:30	7:30	6:30
KPRC (296.9m-1010kc), Frank Tilton, blind wonder boy pianist.				
11	10	9	8	7
CNRW (384.4m-780kc), Choral society.				
WDAF (365.6m-820kc), McDowell chorus.				

Wednesday, silent night for: CHIC, CKAC, CKNC, CNRA, CNRC, CNRE, CNRM, CNRR, CNRT, CNRV, KFAU, KFXF, KGO, KLDS, KMMJ, KOB, KOIL, KPSN, KSAC, KTAB, KUOA, WABQ, WAIU, WBAL, WBAP, WBBR, WCAL, WCBD, WEBW, WFAA, WGBF, WGBS, WGCP, WHAR, WHAZ, WIP, WJAD, WJAZ, WLWL, WMC, WOAI, WOAW, WOI, WPG, WRC, WRR.

Atlantic or Eastern Daylight Saving Time Stations

CFCA, Toronto, Canada (356.9m-840kc), 9 p. m., special musical program, Hambourg trio.

CNRO, Ottawa, Can. (434.5m-690kc), 8 p. m., Chateau Laurier concert orchestra; 9, Madame Antonio Tremblay, mezzo-soprano; Dora Villeneuve, pianist; Chateau Laurier dance orchestra.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30 p. m., recital, N. Snellenburg and company; 8, talk; 8:15, Joe Murphy, piano fiend; 8:30, Miller piano period; 9, Gol-Mar greeters; 9:45, Senator Hassenpfesser, "Topics of the Day"; 9:45, recital; 10, concert; 11, Artie Bittong's Cheer-Up club.

WEAF, New York, N. Y. (491.5m-610kc), 4-12 midnight, Jessie Ward Haywood, reader; Marie Smith, pianist; Esther Klar, soprano; Vincent Lopez and his orchestra; Shinola Merrymakers, Gentleman of 2 and 1; Davis Saxaphone octet.

WEBJ, New York, N. Y. (272.6m-1100kc), 8 p. m., Raiberne orchestra; 8:45, Clarence Williams trio; 9-9:30, Busonis Neapolitans; 9:30-10, McLean's dance orchestra.

WEEI, Boston, Mass. (348.6m-860kc), 6:20 p. m., Joe Rines and his Hunters Cabin orchestra; 7:30, Peerless Tours; 8-11, WEAF.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra.

WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., Gospel Melodists; 8, WEAF; 8:30, Robert Hufstader, tenor; 9, WEAF; 10, program, Kellogg Products, Inc.; string trio with voice; 11, E. N. Cave, baritone.

WHN, New York, N. Y. (361.2m-830kc), 7:30 p. m., Loew's Lexington organ recital; 9:10, Charleston contest; 10, Roseland dance orchestra; 11:30, Silver Slipper orchestra; 12 midnight, Cotton club orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 7, Astor Singing club.

WJAR, Providence, R. I. (305.9m-980kc), 7:30 p. m., chamber musicale; 8-9, WEAF; 9, musical program; 10, tabloid musicale.

WJZ, New York, N. Y. (454.3m-660kc), 7:15 p. m., Hotel Commodore concert orchestra; 8, Imperial Imps; 8:30, Lewissohn Free chamber music concert.

WLIT, Philadelphia, Pa. (394.5m-760kc), 8 p. m., Imperial Council of Lu Lu temple; 10, Arcadia cafe dance orchestra.

WLWL, New York, N. Y. (288.3m-1040kc), 9:15 p. m., chamber music; 9:45, McEray's concert; 10:50, Castleton instrumental trio.

WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Olcott Vail and his Hotel McAlpin string ensemble; 6:30, Ernie Golden and his orchestra; 8, Hawaiians; 8:30, Meister Homesteaders; 9, Mamaroneck night; 9:30, Woodmanster Inn orchestra; 12 midnight, McAlpin entertainers.

WNYC, New York, N. Y. (526m-570kc), 6:20 p. m., piano selections.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Sylvania dinner dance orchestra; 8, WEAF; 10, Fox theater program; 10:30, Ritz-Carlton dance orchestra.

WOR, Newark, N. J. (405.2m-740kc), 6:45-7 p. m., Jacques Jacobs' Hotel Shelton ensemble.

WTAG, Worcester, Mass. (267.7m-1120kc), 7:40 p. m., announced; 8-8:30, WEAF; 8:30-9, program announced; 9-10, Jacques trio; 10-11, WEAF.

Eastern Standard or Central Daylight Saving Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 5:30 p. m., dinner concert, Morrowfield hotel; 8:30, Oakmont Chamber of Commerce quartet.

WBBM, Chicago, Ill. (225.4m-1330kc), 8-10 p. m., Rudy Winters, baritone; Alemite orchestra; 12-2 a. m., Alemite orchestra.

WBZ, Springfield, Mass. (333.1m-900kc), 6 p. m., Musical Mirth Makers; 7, "Hiram Jones' Bet;" 7:30, Radio nature league; 9, WBZ concert ensemble.

WCAP, Washington, D. C. (468.5m-640kc), 6:30-7 p. m., studio program; 7-10, WEAF.

WEBH, Chicago, Ill. (370.2m-810kc), 7-8 p. m., Osborn's orchestra; Florence Behrend; Frank Greif, Frank Bordner; 9:15-10, Osborn's orchestra; Frank Bordner; Lawrence Salerno; 11-12:30 a. m., Oriole orchestra; Kay Ronayne, Florence Behrens.

WENR, Chicago, Ill. (265.3m-1130kc), 6-7 p. m., Rauland lyric trio; 8-10, All-American Pioneers; 12-2, midnite frolic.

WGHB, Clearwater, Fla. (266m-1130kc), 8:30-10 p. m., Rex Dantzler, tenor; L. W. Joy, pianist and others.

WGN, Chicago, Ill. (302.8m-990kc), 6:45-7:15 p. m., Blackstone string quintet; 8-9, musical program; 9-10, May concert; 10-10:10, Sam 'n' Henry; 10:10-10:20, studio music; 10:20-11, musical program.

WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., program, Hotel Onondaga; 7:30, Eastman theater program; 8, Euterpe glee club; Robert S. Flagler, pianist; 9-10, musical program.

WHT, Chicago, Ill. (399.8m-750kc), 7 p. m., Bernice Taylor, soprano; Edwin Kemp, tenor; 7:20, Borden organ recital; 8, Ray-O-Vac concert; 8:45-11:40 (238m-1260kc), Cinderella cafe orchestra; 12 midnight, (399.8m-750kc), your hour league.

WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., dinner concert, string trio; Dorothy Ray, soprano; Charles Champlin, baritone; Frank Grif, tenor; Carl Bigelow; 10-12, popular program; vocal, instrumental.

WJAZ, Chicago, Ill. (329.5m-910kc), 9-1 a. m., Club Chez Pierre; Earl Hoffman's Chez Pierre orchestra; James Thompson, violinist; Henry Oliphant, tenor; Ida May Pierson, pianist.

WJJD, Mooseheart, Ill. (370.2m-810kc), 5:30-7 p. m., dinner concert; Jack Nelson; Howard Peterson, organist; symphony players, Victorians; 8-9, child artists, solos, bands; 10-11, Victorians, Isabel Defaut, Simeon Oliver, pianist; R. Thomas; 12:30 a. m., Settin' Up hour.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Jean Goldkette's Petite symphony orchestra; 7:15, Goodwill Oakland; 9, Jean Goldkette's orchestra; 11, Murphy Brothers organ; 12 midnight, Merry Old Chief, Jewett Radio Jesters.

WKAR, Lansing, Mich. (285.5m-1050kc), 8-9 p. m., musical program.

WKRC, Cincinnati, Ohio (325.9m-920kc), 6 p. m., Alvin Roehr and his Hotel Alms orchestra; 8:15, vocal and instrumental music; 9, Evertresh hour; 12, popular songs; 12:20, Wesley Helvey and his LaVista club house orchestra.

WLS, Chicago, Ill. (344.6m-870kc), 6:30 p. m., Elsie Look, organist; 6:45, College Inn orchestra; 7:30, Ralph Emerson, organist; 7:50, Voice of Listener; 9, WLS trio; 9:30, Temple male quartet; 11-12 midnight, Benson hour.

WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., dinner hour concert, Hotel Gibson orchestra; 7:40, Hotel Gibson concert; 8-9, Crosley Out-of-Town night, Connersville, Ind.; 9-10, program, Eaton, Ohio; 10, Thoroughbred entertainers; 11, The Cincinnati Post program.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Hotel La Salle orchestra; 8:25, Whitney trio; 8:55, WMAQ players, chimes.

WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon duo; Eleanor Kaplan, violinist; Monte Blumm, tenor; Arvid Anderson, baritone; Preston Graves, pianist; request program; 9-11, Trianon orchestra, Woodlawn theater orchestra, vocal artists.

WOK, Chicago, Ill. (217.3m-1380kc), 4:30-7 p. m., Capitol theater organ; studio program; Tip-Top Inn string ensemble; 10-1:30 a. m., Tearney's Town club orchestra; Pershing Palace orchestra; Midway Garden orchestra; Capitol theater program.

WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9-10 p. m., "16-Fingered Paul"; Moke Marrin, Helen Neuman, Jim Forshey, Ruth Glaser, Pearl Knudson, Sid Goldman; 10-11, Atwater Kent request program.

WORD, Batavia, Ill. (275m-1090kc), 7 p. m., North Shore line; 9, Webster hotel trio orchestra; I.B.S.A. choral singers.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Ralph Williams and his Rainbo Garden concert orchestra; 10-1 a. m., Rainbo Skylarks; Melodians, Joe Warner, character songs; Oxford girls; artists; 1-2, Ginger hour.

WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., dinner concert.

WRVA, Richmond, Va. (256.3m-1170kc), 8:45 p. m., R. C. Hyde, organist; 9:25, Blackstone Military Academy orchestra; 11, Carry Me Back to Old Virginny.

WSAI, Cincinnati, Ohio (325.9m-920kc), 6:45 p. m., chimes; 7, WEAF; 7:30, WEAF; 10, Congress Playing Card string quartet.

WSWS, Chicago, Ill. (275.8m-1090kc), 6 p. m., Harry Bundy, tenor; Zola Haynes, pianist; John Clark, baritone; Landwer and Coolidge; 8, Alvina Becker, soprano; Marion O. Holland, violinist; Gus Edwards' orchestra; 10, Terrace Gardens.

WTAM, Cleveland, Ohio (389.4m-770kc), 6 p. m., Hotel Cleveland orchestra; 8, program.

WTIC, Hartford, Conn. (475.9m-630kc), 7 p. m., Mrs. Charles Foster, contralto; Helen Lawrence Fowler, pianist; 7:30, Edith Aab's vocal trio; 8:15, Laura Gaudet, pianist; 8:30, organ recital, Esther Nelson.

WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7, WEAF; 7:30, orchestra; 8, WEAF; 9, WEAF.

Central Standard Time Stations

CNRW, Winnipeg, Can. (384.4m-780kc), 9 p. m., C. N. R. choral society; 10:15, Supper-Dance club, Fort Garry hotel.

KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., dinner concert; 8:30-10:30, Harmony boys; Harriet Cruise, Oriole of the Air; Gloomy Gus, entertainer; Mike Kopac, King of the Ivories.

KFH, Wichita, Kans. (267.7m-1120kc), 7-8 p. m., concert orchestra.

KFKX, Hastings, Nebr. (288.3m-1040kc), 9-11 p. m., musicale, Lincoln.

KFMX, Northfield, Minn. (336.9m-890kc), 9-10 p. m., musicale.

KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., concert, Henry Field Seed company.

KMA, Shenandoah, Iowa (252m-1190kc), 9-11 p. m., songs and clogging, Bob and Babe.

KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., dinner time recital; 7-8:30, Skouras Brothers Missouri theater; 8:30-9:30, KMOX orchestra; 9:30-11:30, Marguerite Schmidt, pianist; KMOX Radio orchestra; John Sauter, flutist; David Bittner, violinist; 11:30, Rendezvous club.

KPRC, Houston, Tex. (296.9m-1010kc), 7:30 p. m., Jack Willrich's orchestra; Virginia Willrich, piano-accordionist; 8:30, Frank Tilton, boy pianist; 10:30, End o' Main dance music.

KSD, St. Louis, Mo. (545.1m-550kc), 6-9 p. m., WEAF.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10-10 p. m., popular ballads, New Arlington Meyer Davis orchestra; 10-10:45, Southerners' dance orchestra.

KVOO, Bristow, Okla. (374.8m-800kc), 6-9 p. m., Radio trio; Mascho, Cunningham, Mascho.

KYW, Chicago, Ill. (535.4m-560kc), 5:30 p. m., dinner concert; 6, musical program; 8-9:30, classical concert; 9:30-10:30, Congress carnival.

WAMD, Minneapolis, Minn. (243.8m-1230kc), 7:05 p. m., Hartman Twins, Frank and Ernest; 7:15, classical program, ensemble trio; Emily Jones, soprano; Elsa Henke, accompanist; 10, Gould banjo club; 11, Skyrocket frolic, Golden Gate orchestra.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6 p. m., WEAF; 8, services; 9, Nash-Finch concert orchestra; 10:05, Wallie Erickson's Coliseum orchestra; 11:30, organ recital, Eddie Dunstedter.

WCOA, Pensacola, Fla. (222m-1350kc), 7 p. m., U. S. Naval Air station band.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., Trianon ensemble; 8-9, WEAF; 9-10, McDowell chorus; 11:45-1 a. m., frolic.

WHA, Madison, Wis. (535.4m-560kc), 8 p. m., School of music.

WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., Honolulu serenaders.

WHB, Kansas City, Mo. (365.6m-820kc), 7-8 p. m., Rosedale Kansas high school orchestra, glee club; 10:30-11:30, midweek musicale.

WHO, Des Moines, Iowa (526m-570kc), 6-7 p. m., Bankers Life Little symphonic orchestra; 7-7:15,

Ye Olde Tyme Village quartet composed of Thelma Baird, soprano; W. H. Norris, bass; A. C. Chapman, tenor; Mrs. A. C. Chapman, accompanist; and Betty Thompson Mackenzie, contralto, has given over sixty concerts this season through the CNR stations. To the right is Richard Czerwonky who conducts the Czerwonky string quartet which is so well liked at WJAZ, Chicago.

Wednesday, May 19

"Uncle Dutch" stories; 7:15-8:15, Irene Doran and her Little symphony orchestra; 8:15-9, Dr. and Mrs. H. Hurd, Hawaiian guitar artists; Kate Miller, whistler; Maude Hughes, accompanist; Harry Lewis and Norman Broholm, popular songsters; 9-12, dance programs.

WOC, Davenport, Iowa (483.6m-620kc), 6-6:30 p. m., WEAF; 9-10, Erwin Swindell, organist.

WOS, Jefferson City, Mo. (440.9m-680kc), 8:05 p. m., musical program, "The Sunny Sawyers"; 10, musical program, Wild Rose Ramblers.

WSB, Atlanta, Ga. (428.3m-700kc), 10:45 p. m., Flint Six orchestra, Wendell Hall.

WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., Beasley Smith's orchestra; 8:15, Chamber music, Vito Pellettieri and his orchestra; 10, Buda Maxwell, pianist; vocal selections.

WSOE, Milwaukee, Wis. (245.8m-1220kc), 7 p. m., Elks club; 7:30, Elks' May Ball; 9, educational; 9:50, weekly report, Wisconsin Humane society.

WSUI, Iowa City, Iowa (483.6m-620kc), 7:30 p. m., musicale.

Mountain Standard Time Stations

KOA, Denver, Colo. (322.4m-930kc), 6 p. m., dinner concert, Brown Palace string orchestra; 7, open-air twilight concert, Greek theater; 8, studio program, KOA orchestra, address; choir, vocal selections, quartet; development of Oratorio.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-7:30 p. m., Grebe Synchrophase string ensemble; 7:30-8, Nick Harris' detective story; 8-9, program, California Petroleum corp.; 9-10, hour with the classics; 10-11, popular program.

KFWB, Hollywood, Calif. (252m-1190kc), 6:30-7:30 p. m., Pontiac Six dinner hour; 8-9, program, Sphinx Motor Oil company; 9-10, program, Pacific Development company; 10-10:30, Mutual Motors joke contest; 10:30-11:30, Warner Brothers frolic.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-9, vocal, instrumental music; 9-10, music; 10-11, Sherman, Clay and company.

KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., children's hour, Uncle John; 8-10, program, Parent-Teachers' association, First District California.

KNX, Hollywood, Calif. (336.9m-890kc), 7-8 p. m., program, Hoyt Automatic Water Heater company; 8-9, program, Security Trust & Savings bank; 9-10, program, Motor Transit States; 10-11, studio program; 11-12, Ambassador hotel dance orchestra.

KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7 p. m., States Restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel orchestra; 8-9, Atwater Kent artists; 9-10, studio program; 10-11, States Restaurant orchestra.

KWSC, Pullman, Wash. (348.6m-860kc), 7:15 p. m., Paul Christian, vocalist; Y. W. C. A. program, Dorothy McCloud, Martha Forde, Francis Hargrave, Dorothy Wilhelme.

Thursday, May 20

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
9 p. m.	8	7	6	5
WLW (422.3m-710kc), Varsity frolic.				
10:30	9:30	8:30	7:30	6:30
WMC (499.7m-600kc), Cooper's Hawaiians.				
11:30	10:30	9:30	8:30	7:30
WBAP (475.9m-630kc), Harmony club.				
12 m.	11	10	9	8
KFXF (249.9m-1200kc), Aerial trip up Pike's Peak.				
KGO (361.2m-830kc), "A Step On the Stairs," mystery drama.				
KTAB (239.9m-1250kc), Daybreak program.				

Thursday, silent night for: CHIC, CKNC, CNRA, CNRE, CNRO, CNRR, CNRT, CNRV, CNRW, KFAB, KFAU, KFMX, KFOA, KFUO, KFWA, KLX, KMOX, KOA, KOAC, KOB, KSAC, KWSC, PWX, WABQ, WAFD, WAHG, WAIU, WCAP, WCEE, WDOD, WEAO, WEBJ, WEBW, WEMC, WGFB, WHA, WHAD, WHAZ, WJJD, WMAK, WMAZ, WNAD, WOOD, WOR, WOS, WSM, WSUI, WTAM.

Atlantic or Eastern Daylight Saving Time Stations

CKAC, Montreal, Can. (410.7m-730kc), 7:15 p. m., Windsor hotel dinner concert; 10:30, dance program.

CKNC, Toronto, Canada (356.9m-840kc), 8 p. m., Charles E. Bodley and his dance orchestra; Battery Brothers.

CNRM, Montreal, Canada (410.7m-730kc), 9 p. m., W. J. Stephenson, bass; V. Taranto, violinist; Bessie Anderson, soprano; Jean Belland, cellist.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:30 p. m., Cathay Tea Garden orchestra; 7:30, Snellenburg symphony orchestra; 8, John Bright orchestra; 8:30, Clifton's Anglers; 8:45, The Kandy Kids; 9, Barry O'-Moore, Irish tenor; 9:30, Musical Chefs; 9:45, Prof. Doolittle; 10, Sesquicentennial hour; 11, Parodians' orchestra; 11:30, Club Madrid revue.

WEAF, New York, N. Y. (491.5m-610kc), 6 p. m., Hotel Waldorf-Astoria; 7, mid-week hymn sing; 7:30, Garden restaurant; 8:15, Hires Harvesters, WEEI, WFI, WCAE, WLIB, WSAI, WWJ, WTAM; 9, Clicquot Club Eskimos, WEEI, WJAR, WTAG, WFI, WCAE, WSAI, WTAM, WGR, WWJ, WOC, WCCO, KSD, WGN; 10, Silvertown Cord orchestra, WEEI, WFI, WCAE, WWJ, WGR, WOC, WCCO, WTAG, KSD, WSAI, WJAR, WGN, WADC; 11-12 midnight, Vincent Lopez and his orchestra.

WEEI, Boston, Mass. (348.6m-860kc), 7:30 p. m., musicale; 8-11, WEAF.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra; 8:15-11, WEAF.

WGBS, New York, N. Y. (315.6m-950kc), 9 p. m., Burgess County Veterans band; 10, Emo, Harry Hershfield, Milt Gross, Jimmy Hussey and Max Fleischer, "A Yiddish Poker Game."

WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., Vincent Lopez and Hotel Statler orchestra; 8, WEAF.

WHAR, Atlantic City, N. J. (275.1m-1090kc), 8 p. m., Seaside hotel trio; 9, studio concert; 11, Follies Bergere dance orchestra.

WHN, New York, N. Y. (361.2m-830kc), 7 p. m., Vincent Lopez orchestra; 8, Will Oakland's Chateau; 9:30, orchestra; 10:30, Leroy Smith's orchestra; 11, Joe Ward's Swanee entertainers; 11:30, Everglades orchestra; 12 midnight, Sophie Tucker's Playground.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin hotel concert orchestra; 7, Uncle Wip's Sesquicentennial program; 8, talk, Dr. Henry Leffman; 8:15, James E. Bryan, pianist; 8:45, concert, direction Ben Stad; 10:20, Nat Martin's orchestra.

WJAR, Providence, R. I. (305.9m-980kc), 8 p. m., orchestra; 9-11, WEAF.

WJZ, New York, N. Y. (454.3m-660kc), 7 p. m., Hotel Vanderbilt orchestra; 7:30, Judge, Jr.; 8, "The Wise Guy," silent drama; 8:30, WRC; 9:30, Royal Salon orchestra; 10:30, Record boys; 11, Freddie Rich and his Hotel Astor orchestra.

WLWL, New York, N. Y. (288.3m-1040kc), 8:30 p. m., McEnery's entertainers; 10:30, organ recital.

WMAK, Buffalo, N. Y. (265.3m-1130kc), 6:15-7:15 p. m., dinner music.

WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Olcott Vail and his string ensemble; 7, Hofbrau Haus entertainers; 7:30, Klein's Serenaders; 8, Pace Institute program; 9, Serenaders; 9:30, Columbia Park entertainers; 10:30, California Ramblers; 11, Ernie Golden and his Hotel McAlpin orchestra; 12 midnight, Broadway night.

WNYC, New York, N. Y. (526m-570kc), 7 p. m., piano selections.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Adelphia dinner dance orchestra.

WOR, Newark, N. J. (405.2m-740kc), 6:45-7 p. m., Hotel Bretton Hall quartet.

WTAG, Worcester, Mass. (267.7m-1120kc), 8-8:30 p. m., program announced; 9-11, WEAF.

Eastern Standard or Central Daylight Saving Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 5:30 p. m., dinner concert, Little symphony orchestra; 8:15, farm program; 8:30, with famous composers, Cecile Louise Stephanie Chaminade, Little symphony; 9, Little symphony; 11, Pittsburgh Post concert.

WADC, Akron, Ohio (258.5m-1160kc), 8 p. m., studio program; 9, dance orchestra, Riverview Park; 10, studio program.

WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., WBAL dinner orchestra; 8-9, Elna Proff, soprano; Virginia Fore, pianist; Margaret Tutwiler, violinist; 9-10, Baltimore music club; 10-11, WBAL ensemble.

WBBM, Chicago, Ill. (225.4m-1330kc), 8-10 p. m., Dress parade of popular music, Alemite orchestra; Ruby Rosina, Vic Fredericks, air comedian; 10-10:30, Moss Covered Melody period; 10:30-11, Howard Osborne's Vanity Fair orchestra; Alemite orchestra; Ruby Rosina, Maurice Silverman, tenor; Metropolitan mixed quartet; 11-12 midnight, dance period.

WBZ, Springfield, Mass. (333.1m-900kc), 6:45 p. m., Bob Patterson's Hotel Kimball trio; 7, musical program; 8, Bellevue male quartet; 8:30, Arthur Clifton, organist; 9, Harmony trio; 9:30, Ethel Ranger Cuzner, soprano; Eleanor Schowrer Armstrong, violinist; Wilfred Kershaw, pianist.

WCBD, Zion, Ill. (344.6m-870kc), 8 p. m., Cornet quartet; Junior choir; George Beem, marimba soloist; Mary Sweeney, soprano.

WEBH, Chicago, Ill. (370.2m-810kc), 7 p. m., special recital; 9:15, Oriole orchestra; Ruth Buhl Flick, reader; Dorothy Herman Blum; 11-12:30, Oriole orchestra; Pat Ward; Rita McFawn, Mary Bieber.

WENR, Chicago, Ill. (265.3m-1130kc), 6-7 p. m., Raul- and lyric trio; 8-10, All-American Pioneers.

WGN, Chicago, Ill. (302.8m-990kc), 6:45-7 p. m., Drake concert ensemble; 8-9, WEAF; 9-10, WEAF; 10-10:10, Sam 'n' Henry; 10:10-10:20, musical program; 10:20-10:40, play shop; 10:40-11, ensemble.

WGY, Schenectady, N. Y. (379.5m-790kc), 6:45 p. m., program, Syracuse university; 8, WRC; 8:30, WJZ; 9:30, mixed quartet; 10:30, organ recital, Stephen Boisclair.

WHT, Chicago, Ill. (399.8m-750kc), 7 p. m., Al Carney, organist; 7:30, Grayling's ensemble; May Gartin, contralto; 8:45-10:15 (238m-1260kc), Cinderella cafe orchestra; 10:30 (399.8m-750kc), Kitchen Klenzer klassics; 11:10, U. S. L. entertainers; 12 midnight, your league.

WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., dinner concert, string trio; tenor; baritone; Chester Neuman; 12 midnight, jamboree; Ted Fiorito, pianist; Dan Russo, violinist; Marie Tully, songs, artists.

WJAZ, Chicago, Ill. (329.5m-910kc), 9-12 midnight, chimes; France Rosemary Scheib, soprano; James Vandersoll, violinist; Alice Regina Johnson, Lucille Sweetser, program of two-piano numbers; 10, John Sloan, tenor, program of classics of Scotia; Grace Hanson, violinist; Frank Mitten, chimes, "Favorites, Old and New"; 10:45, Verna McCombs, contralto; 11, Frank Greif, tenor; program of high grade ballads; Ann Slack, cellist.

WJJD, Mooseheart, Ill. (370.2m-810kc), 5:30-7 p. m., dinner concert; Howard Peterson, organist; Palmer House symphony orchestra; Victorians; 8-9, child artists, solos, bands; 10-11, Victorians, quartet; 12:30 a. m., Knights of the Burning Candle.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Jean Goldkette's Petite symphony orchestra; 7:30, Ide and Meginnity; 9, Jean Goldkette's orchestra; 10, Jean Goldkette's Victor Recording orchestra.

WKRC, Cincinnati, Ohio (325.9m-920kc), 10 p. m., Ace Brigode and his Virginians; 11, blues and ballads, Marie Turner; 11:15, Ace Brigode and his Fourteen Virginians.

WLS, Chicago, Ill. (344.6m-870kc), 6:30 p. m., Elsie Look, organist; 6:45, College Inn orchestra; 7:15, College Inn orchestra; 7:30, Ralph Emerson, organist; 7:50, Voice of Listener; 8, popular music; 8:30-8:55, Chicago Ladies' quartet.

WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., dinner concert, Hotel Gibson orchestra; 7:40, Hotel Gibson concert; 8, "Varsity Frolics," undergraduates of the University of Cincinnati; 10:03, Doherty Melody Boys; 11, Irene Downing, Sentimental Tommy Reynolds; 11:30, Henry Thies and his orchestra; 12:15 a. m., Night Howls, Crosley Sky Terriers.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Hotel LaSalle orchestra; 8:30, musical program; 9:20, musical program, chimes.

WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon ensemble; Hilda Hinrichs, cellist; Margaret Conrad, violinist; Preston Graves, pianist; Italian music; 9-11, Trianon orchestra, orchestras; ensemble; Bob Duffy, Earl Smith, Wellington Forbes, Bob Bennett, popular program.

WOK, Chicago, Ill. (217.3m-1380kc), 4:30-7 p. m., Capitol theater organ; Tip-Top Inn string ensemble; Lorraine's Pershing Palace orchestra; Midway Garden orchestra; Capitol theater program.

WORD, Batavia, Ill. (275m-1090kc), 8 p. m., Webster hotel concert trio; 8:10, Mother Jewell's Rock-a-Bye time; 8:20, Sunday school lesson; 8:35, Cosmopolitan school of music.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Ralph Williams and concert orchestra; 10-1 a. m., Ralph Williams and Skylarks; Rose Vanderbosch, soprano and pianist; Hal Lansing and uke; Bert Davis, Lew Butler, artists; 1-2, Ginger hour.

WRC, Washington, D. C. (468.5m-640kc), 7 p. m., WJZ; 7:30, Marine band concert; 9, WJZ; 9:30, WJZ; 10, announced; 10:30, Meyer Davis' Le Paradis band.

WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., dinner concert; 8:15, Reo Broadcasting orchestra.

WRVA, Richmond, Va. (256.3m-1170kc), 8:45 p. m., William and Mary college program.

WSAI, Cincinnati, Ohio (325.9m-920kc), 7-10 p. m., WEAF.

WSWS, Chicago, Ill. (275.8m-1090kc), 6 p. m., Dean Terrill, Osborne Sisters; Mollie Wiggins, soprano; Emily Volker, violinist; 7, Leola Aikman; 10, Leola Aikman, ballads; Terrace Gardens; Clark Hawaiian; Art Becker; Myron Chon; Howard Sershon, tenor; 12 midnight, Marie Wright, John Clark, reader; Zola Haynes, pianist; Gus Edwards' orchestra.

WTAM, Cleveland, Ohio (389.4m-770kc), 6 p. m., orchestra; 7:15-9, WEAF; 9, studio program; 11, Austin Wylie's orchestra.

WTIC, Hartford, Conn. (475.9m-630kc), 7:15 p. m., concert, 102nd Infantry band.

WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7, WEAF.

Central Standard Time Stations

KFH, Wichita, Kans. (267.7m-1120kc), 7-8 p. m., program, American Legion quartet.

KFKU, Lawrence, Kans. (275.1m-1090kc), 7:15 p. m., Rex McHenry, baritone; Arlo Hultz, pianist; Miriam Wood, violinist; 7:40, LaVon Rall, reader; 8, Fiske, Mountain, violinist.

KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., Consolidated school, Carson.

KFQA, St. Louis, Mo. (280.2m-1070kc), 8 p. m., special Principia program.

KLDS, Independence, Mo. (440.9m-680kc), 8 p. m., studio program.

KMA, Shenandoah, Iowa (252m-1190kc), 9-11 p. m., Farm Seed orchestra; songs, Willy Cunningham.

KPRC, Houston, Texas (296.9m-1010kc), 7:30 p. m., Harry Kobusch and his orchestra; 8:30, Edna Adams, the sweetheart of the air; Mrs. E. Sawyer, accompanist; 9, Southern Pacific lines band.

KSAC, Manhattan, Kans. (340.7m-880kc), 6:30-7:30 p. m., recreational program, music, readings, orations.

KSD, St. Louis, Mo. (545.1m-550kc), 7-9 p. m., WEAF; 9, West End lyric theater.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10-9:30 p. m., Clyde Foley, vocalist; 9:30-10, operatic hits, New Arlington hotel ensemble; 10-10:30, dance selections.

KUOA, Fayetteville, Ark. (299.8m-1000kc), 8:30 p. m., piano selections, Ruby McMath.

KVOO, Bristow, Okla. (374.8m-800kc), 6-9 p. m., surprise program.

KYW, Chicago, Ill. (535.4m-560kc), 6 p. m., musical program; 8-9:30, classical concert; 9:30-10:30, Congress carnival.

WAMD, Minneapolis, Minn. (243.8m-1230kc), 7:05 p. m., Hartman twins, Frank and Ernest; 11:30, organ recital, Leonard Leigh.

WBAP, Fort Worth, Texas (475.9m-630kc), 7:30-8:30 p. m., saxophone octet; 9:30-11, Harmony club; 11-12 midnight, musicale.

WCAL, Northfield, Minn. (336.9m-890kc), 7 p. m., Norwegian Lutheran church of America.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6 p. m., WEAF; 7, WEAF; 9, LaSebana program, Just-rite boys.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., Trianon ensemble; 11:45-1 a. m., frolic.

WFAA, Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m., Jimmie Joy's orchestra; 8:30-9:30, Little symphony orchestra.

WGST, Atlanta, Ga. (270.1m-1110kc), 7-8 p. m., Charles Carter, baritone.

WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., Western State Normal school.

WHB, Kansas City, Mo. (365.6m-820kc), 7-7:45 p. m., dinner hour organ concert; 8-9, program; 9-10, popular dance program.

WHO, Des Moines, Iowa (526m-570kc), 7:30-8 p. m., Raleigh quintet; 8-9, Bankers' Life trio; 11-12 midnight, Bankers' Life Corn Sugar orchestra.

WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Cooper's Hawaiians.

WOAW, Omaha, Nebr. (526m-570kc), 6 p. m., organ; 6:50, Randall's Royal Fontenelle orchestra; 9, Sunshine program; 10:30, Nightingale orchestra.

WOC, Davenport, Iowa (483.6m-620kc), 6-9 p. m., WEAF; 9-9:30, "Moline Plowboys."

WOI, Ames, Iowa (270.1m-1110kc), 7:50 p. m., Algona County Farm bureau.

WRR, Dallas, Texas (245.8m-1220kc), 6-7 p. m., Jack Gardner's orchestra; 8-9, Mrs. Eugene Duggan, Harold Abrams; 9:30-10:30, novelty program.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., concert; 10:45, Dr. Charles Sheldon, Jr., organist.

WSOE, Milwaukee, Wis. (245.8m-1220kc), 7 p. m., Elks club studios; 8, Wisconsin Bible conference; 9, Daddy Underwood Quadrille orchestra.

Mountain Standard Time Stations

CNRC, Calgary, Can. (435.8m-688kc), 9 p. m., program, Gladys Webb Foster, director; George Burrell, tenor.

KFXF, Colorado Springs, Colo. (249.9m-1200kc), 9 p. m., Colorado Serenaders; Ned Nicholson, Cleveland Davis, Tommy Green, Jack Tucker, Harrry Wilson, Joe Garrity, Mildred Sanderson.

KOA, Denver, Colo. (322.4m-930kc), 6 p. m., dinner concert, Brown Palace string orchestra; 7, open-air twilight concert, Greek theater.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., program, students University of Southern California; 8-9, hour of old-time ballads; 9-10, popular songs hits of the day; 10-11, Patrick-Marsh dance orchestra, Betty Patrick, soloist.

KFWB, Hollywood, Calif. (252m-1190kc), 6:30-7:30 p. m., Pontiac six dinner hour; 8-9, Warner Brothers syncapotors and Sol Hoopii's Hawaiians; 9-10, program, Dell's Ice Cream; 10-11, Warner Brothers frolic.

KGO, Oakland, Calif. (361.2m-830kc), 8 p. m., "A Step On the Stairs," mystery drama; 10-12:30 a. m., dance music, Brokaw and orchestra.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-10, vaudeville, Four Sailors; 10-12 midnight, Cole McElroy's dance orchestra.

KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., children's hour with Uncle John; 8-10, Zoellner string quartet, Gladys Blackwell Pickering, soprano; Mona Content, pianist.

KNX, Hollywood, Calif. (336.9m-890kc), 7-8 p. m., program, H. L. Crockett Motor company; 8-9, program, Willys-Overland dealers; 9-10, the Wisecracker club, the Duke and the Count; 10-11, studio program; 11-12, Ambassador hotel dance orchestra; 12-2 a. m., Don Meaney's midnight frolic.

KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7 p. m., States Restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel orchestra; 8-9, Caswell Coffee company; 9-10, Neapolitan male quartet; KPO trio; 10-11, Cabiria cafe dance orchestra.

KPSN, Pasadena, Calif. (315.6m-950kc), 8-9 p. m., Pasadena Chamber of Commerce.

KTAB, Oakland, Calif. (239.9m-1250kc), 8-10 p. m., program.

Friday, May 21

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
8:30 p. m.	7:30	6:30	5:30	4:30
WEEI (348.6m-860kc), Sandy MacFarlane.				
WLIT (394.5m-760kc), "Pinafore," U. of Pennsylvania.				
9	8	7	6	5
KYW (535.4m-560kc), Gibsonians.				
WBBM (225.4m-1330kc), "Safety First," playlet.				
WCOA (222m-1350kc), Pianologue a la jazz.				
9:30	8:30	7:30	6;30	5:30
WLS (344.6m-870kc), Chicago Ladies' quartet.				
10:30	9:30	8:30	7:30	6:30
KDKA (309.1m-970kc), Old-Fashioned quartet.				
WCCO (416.4m-720kc), Watkins Family party.				
WGR (319m-940kc), Catalano boys.				
11	10	9	8	7
WIBO (225.4m-1330kc), Melody Strummers.				
11:30	10:30	9:30	8:30	7:30
KTHS (374.8m-800kc), French Masterpieces.				
1 a. m.	12 m.	11	10	9
CNRV (291.1m-1080kc), Hawaiian guitar artists.				

Friday, silent night for: CFAC, CHIC, CKAC, CKNC, CKY, CNRC, CNRM, CNRO, CNRR, CNRW, KFAU, KFWA, KFXF, KLDS, KPRC, KPSN, KSAC, KUOA, KUOM, PWX, WBBR, WCAD, WCBD, WEAO, WEBW, WGBS, WGST, WHAZ, WIP, WJAZ, WKRC, WLW, WLWL, WMAK, WNAD, WRC, WREO, WRVA, WSAI, WSMB, WSUI, WTAM.

Atlantic or Eastern Daylight Saving Time Stations

CNRA, Moncton, Canada (312.4m-960kc), 10 p. m., Philharmonic quartet; 11, Luigi Romanelli and his King Edward hotel dance orchestra.

CNRT, Toronto, Canada (356.9m-840kc), 6:30 p. m., Luigi Romanelli and his King Edward hotel concert orchestra; 10, Philharmonic quartet.

WCAU, Philadelphia Pa. (277.6m-1080kc), 6:45 p. m., Hotel Pennsylvania orchestra; 7:15, Peter Rabbit and kiddies; 7:30, Snellenburg instrumental trio; 8:15, Enrico Aresoni, operatic tenor; 8:30, the Singing Groundhog; 8:45, recital; 9, the Reginas; 9:15, Dwight Strickland, "poetician"; 9:30, Sullivan Brothers; 10:30, Musical Architects.

WEAF, New York, N. Y. (491.5m-610kc), 4-12 midnight, Marie Minier North, soprano; Parnassus string trio; Vincent Lopez and his orchestra; Gene Ingraham's Great Notch Inn orchestra; Happiness Candy Boys; Bessie Booth Dodge, soprano; Mozell Bennett, violinist; Frances Holmes, reader; Cities Service quartet; Whittall Anglo Persians; Ben Bernie and his orchestra.

WEBJ, New York, N. Y. (272.6m-1100kc), 7-7:15 p. m., Scottish night; 7:30-8, Luna Park, Coney Island program; 8-8:30, announced; 8:30-9, Luna Park-Coney Island program.

WEEI, Boston, Mass. (348.6m-860kc), 6:20 p. m., Joe Rines and his Hunters Cabin orchestra; 7:30, Whiting's Grade A entertainers; 8:30, Neapolitan Ice Cream company; 9, WEAF; 9:30, musicale; 10, WEAF; 10:30, Ed Andrews and his Nautical Garden orchestra.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra.

WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., Clef trio; 7:30, WEAF; 8, Audubon Terrace Meadow Larks; 8:30, Edna Rhoda, Edith Spencer, vocal and instrumental program; 9, Winger's Crescent park entertainers; 9:30, Bernice Riggs, pianist; 10, WEAF; 10:30, Catalano boys, guitar and banjo; 11, Vincent Lopez Hotel Statler dance orchestra.

WHAR, Atlantic City, N. J. (275.1m-1090kc), 8 p. m., Seaside hotel trio.

WHN, New York, N. Y. (361.2m-830kc), 7 p. m., Harry Richman and his entertainers; 7:30, Treasureland Neighbors; 8, Uncle Robert's chat; 8:30, George's Surprise; 9, Washington Height entertainers; 9:30, orchestra; 10, Roseland dance orchestra; 11, Anatol Friedland; 11:30, Club Alabam orchestra; 12 midnight, Silver Slipper orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 7, Olympian orchestra.

WJAR, Providence, R. I. (305.9m-980kc), 8 p. m., musical program; 8:30, Gorman's Jolly Bakers; 9, musical program; 10, WEAF; 11, orchestra.

WJZ, New York, N. Y. (454.3m-660kc), 7 p. m., George Olsen and his Hotel Pennsylvania orchestra; 8, Sundial Shoe Serenaders; 8:30, Bonnie Laddies; 9, Snider's Catsup hour, 10:30, Hotel Lorraine Grill orchestra.

WLIT, Philadelphia, Pa. (394.5m-760kc), 7:30 p. m., Dream Daddy's bedtime stories; 8:30, "Pinafore," University of Pennsylvania; 10:30, Rufus and Rastus; 11, Morning Glory club concert.

WMAK, Buffalo, N. Y. (265.3m-1130kc), 7:30-9 p. m., musical; 9-10, musical program.

WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Olcott Vail and his Hotel McAlpin string ensemble; 6:30, Ernie Golden and his orchestra; 7:30, Sach's quality boys; 8, Woodmanster Inn orchestra; 9, Hardman hour of music.

WNYC, New York, N. Y. (526m-570kc), 6:20 p. m., piano selections.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Ritz Carlton dinner dance orchestra; 8, talk; 8:15, WOO orchestra; 9:25, Fox theater studio program; 10, WEAF; 10:30, Sylvania dance orchestra.

WOR, Newark, N. J. (405.2m-740kc), 6:45-7 p. m., Hotel Bretton Hall quartet.

WTAG, Worcester, Mass. (267.7m-1120kc), 8:15-10 p. m., concert program announced.

Eastern Standard or Central Daylight Saving Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 5:30 p. m., dinner concert; 8:30, old-fashioned quartet; Irma Carpenter, soprano; Viola Bygerson, contralto; Roy Strayer, tenor; Raymond Griffin, bass.

WADC, Akron, Ohio (258.5m-1160kc), 9 p. m., dance orchestra, Riverview Park.

WBAL, Baltimore, Md. (245.8m-1220kc), 8-9 p. m., Bessie Evans, artists; Florence Walden Otey, pianist; 9-10, WBAL trio; John Wilbourn, tenor; 10-10:30, WBAL mixed quartet; 10:30-11, Peabody Conservatory of Music.

WBBM, Chicago, Ill. (225.4m-1330kc), 8-10 p. m., Goldie Gordon, violinist; Alemite orchestra; Badger quartet; Gail Bandell.

WBZ, Springfield, Mass. (333.1m-900kc), 6:15 p. m., Hotel Lenox ensemble; 7, St. Marks colored male quartet; 8, Veteran of Foreign Wars; 9, Burbank Chocolateers; 9:30, Hotel Brunswick orchestra.

WCAP, Washington, D. C. (468.5m-640kc), 8 p. m., studio program; 9, WEAF; 9:30, studio program; 10, music, ballroom, Wardman Park hotel.

WEBH, Chicago, Ill. (370.2m-810kc), 7 p. m., Osborn's orchestra; Bernard Weber, Pauline Sachs; 9:15, Osborn's orchestra; Bernard Weber; 11-12:30, Oriole orchestra; Irene Beasley; Day and Knight.

WENR, Chicago, Ill. (265.3m-1130kc), 6-7 p. m., Rauland lyric trio; 8-9, Moody Bible Institute evening hour; 9-10, Arthur Dunas popular program; 12-2, All-American Pioneers.

WGHB, Clearwater, Fla. (266m-1130kc), 8:30-10 p. m., organ recital; Mrs. Howard Moore, organist.

WGN, Chicago, Ill. (302.8m-990kc), 6:45-6:55 p. m., musical program; 6:55-7:15, Drake concert ensemble, Blackstone string quintet, request program; 8:30-9, musical program; 9-9:30, WEAF; 9:30-10, Phantom violin; 10-10:10, Sam 'n' Henry; 10:10-10:20, musical program; 10:20-10:40, the play shop; 10:40-11, musical program, ensemble.

WGY, Schenectady, N. Y. (379.5m-790kc), 7:15 p. m., program, Remington Typewriter band; 9:30, WGY orchestra, Gertrude Smith, contralto.

WHT, Chicago, Ill. (399.8m-750kc), 7 p. m., Al Carney; Grayling's ensemble; Helen Rauh, pianist; Charles Hussey, bass; 7:50, Ray-O-Vac concert; 8:45-10:15 (238m-1260kc), Cinderella cafe orchestra; 10:30, (399.8m-750kc), Sunbeam Girls; 11:05, Loftis half-hour presentation; 12 midnight, your league.

WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., dinner program, string trio; Charlotte Edwards, contralto; Lew Viet, baritone; Bernice Taylor, soprano; 10-2 a. m., popular program; Ted Fiorito, pianist; Dan Russo, violinist; songs, monologues; Melody strummers; Tony Corcoran; Hickey and Johnson.

WJAZ, Chicago, Ill. (329.5m-910kc), 9-12 mid., Club Chez-Pierre; Earl Hoffman's Chez-Pierre orchestra; "The Quips That Pass in the Night"; Walter Levis, baritone; Fay Epperson, whistler; Marion Setaro, soprano; Chez-Pierre Hawaiian quartet.

WJJD, Mooseheart, Ill. (370.2m-810kc), 5:30-7 p. m., Jack Nelson; Howard Peterson, organist; Victorians; 8-9, child artists, solos, bands; 10-11, Senator Harold C. Kessinger; Palmer House Victorians; 12:30 a. m., Settin' Up hour.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Petite symphony orchestra; 7:30, Arctic Specials; 9, Mulkey Celebrities; 9:30, Casper Lingeman symphony.

WLS, Chicago, Ill. (344.6m-870kc), 6:30 p. m., Elsie Look, organist; 6:45, College Inn orchestra; 7:15, College Inn orchestra; 7:30, Ralph Emerson, organist; 8:30, American Conservatory glee club; 9, John McCormick, baritone; Raymond Mandez, pianist; 11-12 midnight, Ralph Emerson, organist.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:20, Family Altar league; 6:30, Wide-Awake club program; 8, musical program; 8:30, Whitney trio; 9:20, musical program, chimes.

WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon duo, male trio, Vella Cook, contralto; Frank Bordner, baritone; Norman Hart, old-home songs program; 9-11, Trianon orchestra; Joe Warner, character songs; Kreueger and Dillon, banjo barons; male trio.

WOK, Chicago, Ill. (217.3m-1380kc), 4:30-7 p. m., Capitol theater organ; studio program; Tip-Top Inn string ensemble concert; 10-1:30 a. m., Tearney's Town club orchestra; Midway Garden orchestra; Capitol theater program.

WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9-9:15 p. m., "Schubert," Blanche Fox Steenman; 9:15-11, classical concert.

WORD, Batavia, Ill. (275m-1090kc), 7 p. m., North Shore line; 9, William Benson, tenor.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Ralph Williams and concert orchestra; Jean St. Anne, baritone; Christian Grimm, composer-pianist; 10-1 a. m., Ralph Williams and Rainbo Skylarks; H. Lucille Long, harmonica player; Harold Olson, baritone; Clark's Hawaiian trio; Tell Taylor, tenor; 1-2, Ginger hour.

WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., dinner concert.

WRVA, Richmond, Va. (265.3m-1170kc), 7 p. m., Hotel Richmond orchestra; 8:15, composer and pianist; 8:25, Beneficial association program; 10, Hotel Richmond Winter Garden orchestra.

WSWS, Chicago, Ill. (275.8m-1090kc), 6 p. m., studio male quartet; 8, Gus Edwards orchestra; 10, Moran and Alt; Jack Ford; Gus Edwards orchestra; Freddie Wittmer, pianist.

WTAM, Cleveland, Ohio (389.4m-770kc), 6 p. m., orchestra; 6:45, orchestra; 8, studio program; 9, WEAF; 9:30, studio program; 11, Singing Syncopators.

WTIC, Hartford, Conn. (475.9m-630kc), 7:15 p. m., Hartford public school choir and orchestra; 9, Henry Vozzolo, violinist; 9:15, mail bag; 10, Emil Heimberger's Hotel Bond dance orchestra.

WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 8, Detroit News orchestra; 9, WEAF; 9:30, dance program.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 8:30-10:30 p. m., Seward, Nebr. municipal program.

KFDM, Beaumont, Tex. (315.6m-950kc), 8-10 p. m., Refinery band.

KFH, Wichita, Kans. (267.7m-1120kc), 7-8 p. m., Gold Medal Krackers' dance orchestra.

KFKX, Hastings, Nebr. (288.3m-1040kc), 9-11 p. m., Walter Legion of Blue Hill.

KFMX, Northfield, Minn. (336.9m-890kc), 10-11 p. m., organ recital.

KFNF, Shenandoah, Iowa (263m-1140kc), 7:30 p. m., Widney Sisters.

KMA, Shenandoah, Iowa (252m-1190kc), 9-11 p. m., popular musicale.

KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., Mrs. Jacque Landree, organist; 7, Brown Bilt Boys; 8, Colonel 6121; 9:30, Marguerite Schmidt, pianist; 10, KMOX Radio orchestra; Helen Musick, soprano; 11, Rendezvous club.

KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., WEAF; 7:30, commerce hour, Harriet Rumsey instrumental trio; 8, WEAF.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10-9:30 p. m., organ recital, Lawson Reid; 9:30-10, New Arlington hotel string quartet, French masterpieces; 10-10:15, Mrs. Byrd Rigsby, contralto.

KVOO, Bristow, Okla. (374.8m-800kc), 6-9 p. m., Josephine Storey-White.

KYW, Chicago, Ill. (535.4m-560kc), 6 p. m., musical program; 8-9:30, classical concert; 9:30-10:30, Congress carnival.

WAMD, Minneapolis, Minn. (243.8m-1230kc), 7:05 p. m., Hartman twins; Frank and Ernest; 7:15, Min-

Friday, May 21

neapolis public school hour; 11, Skyrocket frolic, Golden Gate orchestra.

WBAP, Fort Worth, Texas (475.9m-630kc), 7:30-8:30 p. m., Prof. H. D. Guelick; 9:30-11, musicale; 11-12 midnight, Panther Hawaiian trio.

WCCO, Minneapolis-St. Paul. (416.4m-720kc), 6:15 p. m., Dick Long's Nankin Cafe concert orchestra; 8, WEAF; 8:30, Watkins family party; 10:05, Dick Long's Nankin cafe dance orchestra.

WCOA, Pensacola, Fla. (222m-1350kc), 7 p. m., Episcopal church choir; West Floridian dance orchestra.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., Trianon ensemble; 8-8:30, WEAF; 8:30-9:30, varied musical program; 11:45-1 a. m., Nighthawk frolic.

WFAA, Dallas, Tex. (475.9m-630kc), 6:30-7:30 p. m., Honey Boys' orchestra; 8:30-9:30, male quartet.

WGBF, Evansville, Ind. (236.1m-1270kc), 7 p. m., musical program; 8, sacred music; 11, D-X Hunting club.

WHA, Madison, Wis. (535.4m-560kc), 8 p. m., vocal recital, Mrs. R. F. Bradley.

WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., concert.

WHB, Kansas City, Mo. (365.6m-820kc), 7-8 p. m., visiting talent, Stewartsville, Mo.

WHO, Des Moines, Iowa (526m-570kc), 7:30-9 p. m., program, Mu Phi Episilon National music sorority; 11-12, Philbrick and his Yonker Tea room orchestra.

WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Hotel Gayoso orchestra; 11, frolic.

WOAW, Omaha, Nebr. (526m-570kc), 6:50 p. m., Gilbert Jaffy, violinist; Harry Braviroff, pianist; 9, Puritan program; 10:30, Nightingale orchestra.

WOC, Davenport, Iowa (483.6m-620kc), 9:30-10:30 p. m., Mrs. Carlton Chaney, soprano; Chris Oberlander, reader; Harry Yeazelle Mercer, tenor.

WOS, Jefferson City, Mo. (440.9m-680kc), 8:20 p. m., musical program; 10, Daniel Boone Jones, old fiddling champion.

WRR, Dallas, Texas (245.8m-1220kc), 6-7 p. m., Jack Gardner's orchestra; 8-9, Magnolia Petroleum company band; 11-12 midnight, musicale.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., program, Gordon Martin Ten.

WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., Beasley Smith's orchestra; 8:15, program, piano recital; 10, Signor De Luca, vocalist.

WSOE, Milwaukee, Wis. (245.8m-1220kc), 8:45 p. m., weekly book review; 9, Candygram.

Mountain Standard Time Stations

CNRE, Edmonton, Can. (516.9m-580kc), 8:30-10:30 p. m., Alberta College North Mandolin banjo and guitar orchestras.

KFXF, Colorado Springs, Colo. (249.9m-1200kc), 8 p. m., Gilbert McClurg; Mrs. John Speed Tucker, soprano; Mrs. Eleanor C. LaCroix, pianist.

KOA, Denver, Colo. (322.4m-930kc), 6 p. m., dinner concert, Brown Palace string orchestra; 7, open-air twilight concert, Longmont boys' band; 8, instrumental program, Scheuerman's orchestra; 8:30, special studio program, development of grand opera, address; KOA orchestra, quartet, chorus, excerpts from operas; Lamont singers; Julian Riley, violinist.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-7:30 p. m., Carlyle Stevenson's orchestra; 7:30-8, Felipe Delgado's media hora espanola; 8-9, Aeolian organ; 9-10, Julietta Burnette, soprano; Mutual Motors mirth contest; 10-11, Packard ballad hour.

KFWB, Hollywood, Calif. (252m-1190kc), 6:30-7:30 p. m., Pontiac six dinner hour; 7:30-8, program, Paralta studios; 8-9, program, John Wright, The Right Tailor; 9-10, program, Sealy Mattress company; 10-11, Warner Brothers frolic.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner music; 8-9, musicale; 9-10:30, Sherman, Clay and company; 10-12 midnight, Hoot Owls.

KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., children's hour with Uncle John; 8-10, Jose Arias and his Mexican entertainers.

KNX, Hollywood, Calif. (336.9m-890kc), 7-8 p. m., Bad Egg club; 8-9, Jell-X-Cell with Charlie Melson and his Playboys; 9-10, Order of Optimistic Donuts; 10-11, Hollywood American Legion fights; 11-12, Ambassador hotel dance orchestra.

KOAC, Corvallis, Ore. (280.2m-1070kc), 8-9 p. m., music.

KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7 p. m., States Restaurant orchestra; 8-9, San Francisco Advertising club glee club; 9-10, Palace Hotel Rose Room dance orchestra; 10-11, States Restaurant orchestra.

KTAB, Oakland, Calif. (239.9m-1250kc), 8-10 p. m., program by Breuner's.

KWSC, Pullman, Wash. (348.6m-860kc), 7:15 p. m., string trio, Norma Sparlin, Catherine Robinson, Evelyn Sparlin; Marguerite Saddler, vocalist.

Saturday, May 22

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
9 p. m.	8	7	6	5

WBBM (225.4m-1330kc), Special Pacific Coast program.

Atlantic	Eastern	Central	Mountain	Pacific
9:15	8:15	7:15	6:15	5:15

WTIC (475.9m-630kc), Ukrainian choir.

Atlantic	Eastern	Central	Mountain	Pacific
10	9	8	7	6

WSAI (325.9m-920kc), Maids of Melody.
WTAM (389.4m-770kc), Ev Jones and gang.

Atlantic	Eastern	Central	Mountain	Pacific
10:30	9:30	8:30	7:30	6:30

WFAA (475.9m-630kc), Mozart choral club.

Atlantic	Eastern	Central	Mountain	Pacific
11	10	9	8	7

KOA (322.4m-930kc), Home songs of 25 years ago.
WOAW (526m-570kc), Funcasters.

Atlantic	Eastern	Central	Mountain	Pacific
11:30	10:30	9:30	8:30	7:30

WBAP (475.9m-630kc), Hired Hand's Little symphony.

Atlantic	Eastern	Central	Mountain	Pacific
12:10 a. m.	11:10	10:10	9:10	8:10

KGO (361.2m-830kc), Columbia Park boys' club band.

For stations silent tonight refer to first Saturday's list.

Atlantic or Eastern Daylight Saving Time Stations

CFCA, Toronto, Can. (356.9m-840kc), 9 p. m., musical comedy selections, dance orchestra.

CNRO, Ottawa, Can. (434.5m-690kc), 8 p. m., Chateau Laurier concert orchestra; 9, program; dance orchestra.

WEAF, New York, N. Y. (491.5m-610kc), 4-12 midnight, Vincent Lopez and his orchestra; Lou Raderman's Pelham Heath Inn orchestra; Vincent Lopez and his orchestra.

WEEI, Boston, Mass. (348.6m-860kc), 7:30 p. m., Lucerne-in-Maine quintet.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra; 9, Lu Lu Temple glee club.

WHAR, Atlantic City, N. J. (275.1m-1090kc), 8 p. m., Seaside hotel trio.

WIP, Philadelphia, Pa., (508.2m-590kc), 6:05 p. m., Benjamin Franklin hotel concert orchestra; 7, sextet from Crosson School of Burholme; 8, final concert of season, of orchestra and glee club of Eastern State Penitentiary; 10:30, El Patio dance orchestra; 11:05, organ recital.

WJZ, New York, N. Y. (454.3m-660kc), 7 p. m., Hotel Commodore concert orchestra; 8, Congressional Forum; 10:30, Hotel Vanderbilt orchestra.

WLIT, Philadelphia, Pa. (394.5m-760kc), 7:30 p. m., Benjamin Franklin hotel concert orchestra.

WMAK, Buffalo, N. Y. (265.3m-1130kc), 6:15-7:15 p. m., dinner music; 7:30-8:30, musical dance program; 8:30-10, musicale.

WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Olcott Vail and his orchestra; 7, orchestra; 10, Norman Pearce, reader; 11, Ernie Golden and his orchestra.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Adelphia dinner dance orchestra.

WOR, Newark, N. J. (405.2m-740kc), 6:30 p. m., Jacques Jacob's Hotel Shelton ensemble; 7:30-7:45, Van's Collegians; 8:45, Copenhagen quartet; 9:15, La-Forge-Berumen studio musicale.

Eastern Standard or Central Daylight Saving Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 5:30 p. m., dinner concert, Westinghouse band; 8, farm program; 8:30, Westinghouse band concert.

WBBM, Chicago, Ill. (225.4m-1330kc), 8-10 p. m., Alemite orchestra; Ziegler Stars; Tip trio; 10-11, dance period; 12-2 a. m., Matched Unit quartet; Ziegler Stars.

WBZ, Springfield, Mass. (333.1m-900kc), 6:15 p. m., Capitol theater orchestra; 6:45, Dr. D. M. Staley, reader; 7, Schuman vocal and instrumental ensemble; 8, Phil Lawrence's orchestra.

WEBH, Chicago, Ill. (370.2m-810kc), 8 p. m., songs, Frank Greif; 9:15-10, Edgewater Beach hotel Oriole orchestra; 11-12 midnight, **Oriole orchestra**; Kay Ronayne; 1 a. m., Oriole orchestra; 1-3, frolic.

WENR, Chicago, Ill. (265.3m-1130kc), 6-7 p. m., Rauland lyric trio; 8-9, Arthur Dunas popular program; 9-10, All-American Pioneers; 12-2, frolic.

WGN, Chicago, Ill. (302.8m-990kc), 6:45-6:55 p. m., musical program; 6:55-7:15, Drake concert ensemble, Blackstone string quintet, request program; 8-8:10, Auld Sandy; 8:10-8:30, musical program; 8:30-9:30, light opera concert; 9:30-10, old-time prize fight; 10-10:10, Sam 'n' Henry; 10:10-10:20, musical program; 10:20-10:30, play shop; 10:40-11, ensemble.

WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., Hotel Onondaga program; 9:30, dance music, Syracuse hotel orchestra.

WHT, Chicago, Ill. (399.8m-750kc), 7 p. m., Al Carney organist; 8:45-10:15 (238m-1260kc), Cinderella orchestra; 10:30 (399.8m-750kc), Kitchen Klenzer entertainers; 10:50, Jack Turner; Irene Smith; 12 midnight, your hour.

WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., dinner program; string trio; Frances Schiebe, soprano; George Hancer, baritone; Thelma Maxwell, contralto; Roger Tighe, tenor; organ recital.

WJAZ, Chicago, Ill. (329.5m-910kc), 9-12 a. m., Club Chez Pierre; Earl Hoffman's Chez Pierre orchestra; program, Pierre's studio, popular Zenith artists.

WJJD, Mooseheart, Ill. (370.2-810kc), 5:40-7 p. m., dinner concert; Howard Peterson; symphony players; Victorians; 8-9, Victorians; Isabel Defaut; Edson Farrar; 10-11, Isabel Defaut, Victorians, Cook Sisters; 12-1 a. m., Settin' Up hour; Victorians, Jack Nelson.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Stromfeltz-Loveley serenaders; 9, Jean Goldkette's serenaders; 10, Jean Goldkette's Victor Recording orchestra; 11:30, Merry Old Chief.

WLS, Chicago, Ill. (344.6m-870kc), 6:30 p. m., Elsie Look, organist; 7:15, barn dance.

WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., popular organ concert, Johanna Grosse; 7:30, Meeting of the Sekatary Hawkins Radio club; 8, Johanna Grosse; 8:30, readings, Bertha Fiebach Markbreit; 9, Henry Thies and his orchestra.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Hotel LaSalle orchestra; 8, Daw and Pratt; 8:30, photologue; 9, Chicago theater revue.

WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon ensemble; Hilda Hinrichs, cellist; Margaret Conrad, violinist; Preston Graves, pianist; Franklin Kidd, tenor; Arvid Anderson, program; 9-11, Trianon orchestra; ensemble; Andy Anderson, Trianon syncopa-

FARMERS' PROGRAMS INDEX

Farmer Dinner Concerts

Daily Except Sunday

CENTRAL TIME
KFNF, 12:15-1:35 p. m.
KMA, 11:30-12:30
KSO, 12:30-1:30 p. m.

Saturday, May 15

Atlantic	Eastern	Central	Mountain	Pacific
2 p. m.	1	12 n.	11	10
KPRC (296.9m-1010kc), Farmers' educational and musical program.				
2:45	1:45	12:45	11:45	10:45
WOI (270m-1110kc), Soils, questions and answers.				
9	8	7	6	5
KDKA (309.1m-970kc), Farm program.				
10:30	9:30	8:30	7:30	6:30
KFAU (280.2m-1070kc), Agricultural talk, question box.				

Sunday, May 16

Atlantic	Eastern	Central	Mountain	Pacific
4:30 p. m.	3:30	2:30	1:30	12:30
WFAA (475.9m-630kc), Sunday hour for farmers.				

Monday, May 17

Atlantic	Eastern	Central	Mountain	Pacific
1a. m.	12 n.	11	10	9
WRC (468.5m-640kc), Fifty Farm flashes.				
2:15 p. m.	1:15	12:15	11:15	10:15
WOC (483.6m-620kc), "How Much Are Oats Worth for Growing Pigs?"				
WEAO (293.9m-1020kc), Timely Economic Information for the farmer, C. J. West.				
2:45	1:45	12:45	11:45	10:45
WOI (270m-1110kc), "Eradication of Tuberculosis in Livestock."				
WMAQ (447.5m-670kc), Radio farm school.				
2:50	1:50	12:50	11:50	10:50
KFKX (288.3m-1040kc), "How Much Are Oats Worth for Growing Pigs?"				
8	7	6	5	4
WTAG (267.7m-1120kc), "Pest Control in the Garden."				
8:15	7:15	6:15	5:15	4:15
WGY (379.5m-790kc), Agricultural program.				
8:30	7:30	6:30	5:30	4:30
KSAC (340.7m-880kc), Feeders' Day.				
9	8	7	6	5
WOS (440.9m-680kc), Livestock questions and answers.				
9:30	8:30	7:30	6:30	5:30
KUOA (299.8m-1000kc), Farm Filosofy, Cy Adams. "Treatment of Stomach Worms in Sheep." "Poems About the Farm." "A Model Dairy." "Sterlizing Milk Vessels."				
WMC (499.7m-600kc), Farm talk.				
WOI (270m-1110kc), Horticultural Short Course lecture, "Cantaloupes."				
9:45	8:45	7:45	6:45	5:45
WCCO (416.4m-720kc), Farm lecture.				
10:05	9:05	8:05	7:05	6:05
KFAB (340.7m-880kc), "Opportunities in Animal Husbandry."				
11:30	10:30	9:30	8:30	7:30
KOAC (280.2m-1070kc), Market news.				
KWSC (348.6m-860kc), "Contribution of Science to the Dairy Industry," "The Detection of Adulterations in Milk."				
11:45	10:45	9:45	8:45	7:45
KOAC (280.2m-1070kc), "Why Cream Tests Vary."				
12 m.	11	10	9	8
KOAC (280.2m-1070kc), Uncle Bert, the garden expert.				
12:05a.m.	11:05	10:05	9:05	8:05
KGO (361.2m-830kc), Agricultural Outlook.				
12:15	11:15	10:15	9:15	8:15
KOAC (280.2m-1070kc), "Improving the Labor Program on the Oregon Farm."				
12:30	11:30	10:30	9:30	8:30
KOAC (280.2m-1070kc), "Oregon's Agricultural Situation."				

Tuesday, May 18

Atlantic	Eastern	Central	Mountain	Pacific
1 p. m.	12 n.	11	10	9
WRC (468.5m-640kc), Fifty Farm flashes.				
2:15	1:15	12:15	11:15	10:15
WOC (483.6m-620kc), "The Answers to Some of Your Poultry Problems."				
2:45	1:45	12:45	11:45	10:45
WMAQ (447.5m-670kc), Radio farm school.				
WOI (270m-1110kc), "Animal Husbandry."				
2:50	1:50	12:50	11:50	10:50
KFKX (288.3m-1040kc), "The Answers to Some of Your Poultry Problems."				
9:33	8:33	7:33	6:33	5:33
KYW (535.4m-560kc), American Farm Bureau Federation.				
10:30	9:30	8:30	7:30	6:30
KOA (322.4m-930kc), Farm question box.				

Wednesday, May 19

Atlantic	Eastern	Central	Mountain	Pacific
1 p. m.	12 n.	11	10	9
WRC (468.5m-640kc), Fifty Farm Flashes.				
2:15	1:15	12:15	11:15	10:15
WEAO (293.9m-1020kc), Ohio Spray service.				
WOC (483.6m-620kc), "Handling Dairy Products in Hot Weather."				
2:30	1:30	12:30	11:30	10:30
WFAA (475.9m-630kc), Sears-Roebuck Agricultural program.				
2:45	1:45	12:45	11:45	10:45
WMAQ (447.5m-670kc), Radio farm school.				
WOI (270m-1110kc), Poultry husbandry.				
2:50	1:50	12:50	11:50	10:50
KFKX (288.3m-1040kc), "Handling Dairy Products in Hot Weather."				
9	8	7	6	5
WOS (440.9m-680kc), Evening market hour, poultry questions and answers.				
10:05	9:05	8:05	7:05	6:05
KFAB (340.7m-880kc), "Opportunities in Agricultural and Industrial Journalism." "Control of Insect Pests of the Season."				
11:30	10:30	9:30	8:30	7:30
KWSC (348.6m-860kc), "Relation of Entomology to Plant Diseases in Controlling Potato Mosaic." "The Value of Paint on the Farm." "Strawberry Root Weevil."				

Thursday, May 20

Atlantic	Eastern	Central	Mountain	Pacific
1 p. m.	12 n.	11	10	9
WRC (468.5m-640kc), Fifty farm flashes.				
2:15	1:15	12:15	11:15	10:15
WOC (483.6m-620kc), "Sweet Clover for Pastures."				
2:45	1:45	12:45	11:45	10:45
WMAQ (447.5m-670kc), Radio farm school.				
WOI (270m-1110kc), Farm crops.				
2:50	1:50	12:50	11:50	10:50
KFKX (288.3m-1040kc), "Sweet Clover for Pastures."				
9:30	8:30	7:30	6:30	5:30
WOI (270m-1110kc), "Pulling Pork Out of the Mud."				
9:33	8:33	7:33	6:33	5:33
KYW (535.4m-560kc), American Farm bureau.				
10:30	9:30	8:30	7:30	6:30
KOA (322.4m-930kc), Farm question box.				

Friday, May 21

Atlantic	Eastern	Central	Mountain	Pacific
1 p. m.	12 n.	11	10	9
WRC (468.5m-640kc), Fifty farm flashes.				
2:15	1:15	12:15	11:15	10:15
WOC (483.6m-860kc), Special Farm Service Day.				
KTHS (374.8m-800kc), Farmers' Radio Chautauqua.				
KFKX (288.3m-1040kc), Special Farm Service Day.				
2:45	1:45	12:45	11:45	10:45
WOI (270m-1110kc), Agricultural Economics.				
9	8	7	6	5
KFKX (288.3m-1040kc), Special Farm Service Day.				
WOS (440.9m-680kc), Evening Market hour, Dairy questions and answers.				
9:15	8:15	7:15	6:15	5:15
KSO (242m-1240kc), Farm talk.				
9:30	8:30	7:30	6:30	5:30
WOC (483.6m-620kc), Question box.				
9:45	8:45	7:45	6:45	5:45
WCCO (416.4m-720kc), Farm lecture.				
10	9	8	7	6
WHA (535.4m-560kc), Orderly Marketing. Quality Products. Economical Production.				
11:15	10:15	9:15	8:15	7:15
KWSC (348.6m-800kc), "The Labor Problems of the Farmer." "Contributions of Science to the Dairy Industry."				

Saturday, May 22

Atlantic	Eastern	Central	Mountain	Pacific
2 p. m.	1	12 n.	11	10
KPRC (296.9m-1010kc), Farmers' educational and musical program.				
2:45	1:45	12:45	11:45	10:45
WOI (270m-1110kc), Soils, questions and answers.				
9	8	7	6	5
KDKA (309.1m-970kc), Farm program.				
10:30	9:30	8:30	7:30	6:30
KFAU (280.2m-1070kc), Agricultural talk, question box.				

Sunday, May 23

Atlantic	Eastern	Central	Mountain	Pacific
4:30 p. m.	3:30	2:30	1:30	12:30
WFAA (475.9m-630kc), Sunday hour for farmers.				

Monday, May 24

Atlantic	Eastern	Central	Mountain	Pacific
1 p. m.	12 n.	11	10	9
WRC (468.5m-640kc), Fifty farm flashes.				
2:15p.m.	1:15	12:15	11:15	10:15
WEAO (293.9m-1020kc), Timely Economic Information for the farmer, C. J. West.				
WOC (483.6m-620kc), "Is Rye Grain Poisonous to Swine?"				
2:30	1:30	12:30	11:30	10:30
WEAO (283.9m-1020kc), Spray service.				
2:45	1:45	12:45	11:45	10:45
WOI (270m-1110kc), Talks.				
WMAQ (447.5m-670kc), Radio farm school.				
2:50	1:50	12:50	11:50	10:50
KFKX (288.3m-1040kc), "Is Rye Grain Poisonous to Swine?"				
8	7	6	5	4
WGY (379.5m-790kc), Agricultural program.				
8:30	7:30	6:30	5:30	4:30
KSAC (340.7m-880kc), Agricultural Economics. Dairy Husbandry.				
9	8	7	6	5
WOS (440.9m-680kc), Livestock questions and answers.				
9:30	8:30	7:30	6:30	5:30
KUOA (299.8m-1000kc), Farm Filosofy, Cy Adams. "Peach Growing in Johnson County." "What Is Soil—and Why?"				
WMC (499.7m-600kc), Farm talk.				
9:45	8:45	7:45	6:45	5:45
WOI (270.1m-1110kc), Talk.				
10:05	9:05	8:05	7:05	6:05
KFAB (340.7m-880kc), "Plant Pathology as a Life Work."				
11:30	10:30	9:30	8:30	7:30
KOAC (280.2m-1070kc), Market news.				
KWSC (348.6m-860kc), "Laying the Foundation for Good Seed."				
11:45	10:45	9:45	8:45	7:45
KOAC (280.2m-1070kc), "Making Butter in the Home for Winter Use."				
12 m.	11	10	9	8
KOAC (280.2m-1070kc) Uncle Bert the Garden Expert.				
12:15 a. m.	11:15	10:15	9:15	8:15
KOAC (280.2m-1070kc), "Reducing the Cost of Milk Production in Oregon."				
12:30	11:30	10:30	9:30	8:30
KOAC (280.2m-1070kc), "Pure Water on the Farm and How to Obtain It."				

Tuesday, May 25

Atlantic	Eastern	Central	Mountain	Pacific
1 p. m.	12 n.	11	10	9
WRC (468.5m-640kc), Fifty farm flashes.				
WOC (483.6m-620kc), "Poultry's Place on the Farm."				
2:45	1:45	12:45	11:45	10:45
WMAQ (447.5m-670kc), Radio farm school.				
WOI (270m-1110kc), "Animal Husbandry."				
2:50	1:50	12:50	11:50	10:50
KFKX (288.3m-1040kc), "Poultry's Place on the Farm."				
8:30	7:30	6:30	5:30	4:30
KSAC (340.7m-880kc), Potato Disease Demonstrations in 1926 and Their Significance to Kansas Potato Growers."				
9:33	8:33	7:33	6:33	5:33
KYW (535.4m-560kc), American Farm Bureau Federation.				
10:30	9:30	8:30	7:30	6:30
KOA (322.4m-930kc), Farm question box.				

Wednesday, May 26

Atlantic	Eastern	Central	Mountain	Pacific
1 p. m.	12 n.	11	10	9
WRC (468.5m-640kc), Fifty farm flashes.				
2:15	1:15	12:15	11:15	10:15
WEOA (293.9m-1020kc), Ohio Spray Service.				
WOC (483.6m-620kc), "Does Sileage Pay?"				
2:30	1:30	12:30	11:30	10:30
WFAA (475.9m-630kc), Sears-Roebuck Agricultural program.				
2:45	1:45	12:45	11:45	10:45
WMAQ (447.5m-670kc), Radio farm school.				
WOI (270m-1110kc), Poultry husbandry.				
2:50	1:50	12:50	11:50	10:50
KFKX (288.3m-1040kc), "Does Sileage Pay?"				
9	8	7	6	5
WOS (440.9m-680kc), Evening market hour, poultry questions and answers.				
10:05	9:05	8:05	7:05	6:05
KFAB (340.7m-880kc), "Opportunities in Agricultural Chemistry." "Agricultural College Poultry Picnic Day."				
11:15	10:15	9:15	8:15	7:15
KWSC (348.6m-860kc), "The Horseshoe." "What the Accredited Hatchery System Has Done for Washington Poultry."				

Thursday, May 27

Atlantic	Eastern	Central	Mountain	Pacific
1 p. m.	12 n.	11	10	9
WRC (468.5m-640kc), Fifty farm flashes.				
2:45	1:45	12:45	11:45	10:45
WOC (483.6m-620kc), Talks.				
2:15p.m.	1:15	12:15	11:15	10:15
WMAQ (447.5m-670kc), Radio farm school.				
WOC (483.6m-620kc), "Hay—Possibly Other Uses."				
WOI (270m-1110kc), Farm crops.				
2:50	1:50	12:50	11:50	10:50
KFKX (288.3m-1040kc), "Sweet Clover—Hay, Possible Other Uses."				
9	8	7	6	5
KFKX (288.3m-1040kc), Talk.				
9:30	8:30	7:30	6:30	5:30
WOI (270m-1110kc), Talk.				
9:33	8:33	7:33	6:33	5:33
KYW (535.4m-560kc), American Farm bureau.				
10:30	9:30	8:30	7:30	6:30
KOA (322.4m-930kc), Farm question box.				

Friday, May 28

Atlantic	Eastern	Central	Mountain	Pacific
1 p. m.	12 n.	11	10	9
WRC (468.5m-640kc), Fifty farm flashes.				
2:15	1:15	12:15	11:15	10:15
WEOA (293.9m-1020kc), Ohio Spray Service.				
WOC (483.6m-860kc), Special Farm Service Day.				
KTHS (374.8m-800kc), Farmers' Radio Chautauqua.				
2:45	1:45	12:45	11:45	10:45
WOI (270m-1110kc), Agricultural Economics.				
2:50	1:50	12:50	11:50	10:50
KFKX (288.3m-1040kc), Special Farm Service Day.				
9	8	7	6	5
WOS (440.9m-680kc), Evening Market hour. Dairy questions and answers.				
9:15	8:15	7:15	6:15	5:15
KSO (242m-1240kc), Farm talk.				
9:30	8:30	7:30	6:30	5:30
WOC (483.6m-620kc), Question box.				
11:15	10:15	9:15	8:15	7:15
KWSC (348.6m-860kc), "Swarming Not Indicative of Good Beekeeping."				

Saturday, May 29

Atlantic	Eastern	Central	Mountain	Pacific
2 p. m.	1	12 n.	11	10
KPRC (296.9m-1010kc), Farmers' educational and musical program.				
2:45	1:45	12:45	11:45	10:45
WOI (270.m-1110kc), Soils, questions and answers.				
9	8	7	6	5
KDKA (309.1m-970kc), Farm program.				
10:30	9:30	8:30	7:30	6:30
KFAU (280.2m-1070kc), Agricultural talk, question box.				

Sunday, May 30

Atlantic	Eastern	Central	Mountain	Pacific
4:30 p.m.	3:30	2:30	1:30	12:30
WFAA (475.9m-630kc), Sunday hour for farmers.				

Monday, May 31

Atlantic	Eastern	Central	Mountain	Pacific
1 p. m.	12 n.	11	10	9
WRC (468.5m-640kc), Fifty Farm flashes.				
2:15	1:15	12:15	11:15	10:15
WOC (483.6m-620kc), Talk.				
WEAO (293.9m-1020kc), Timely Economic Information for the farmer, C. J. West.				
2:45	1:45	12:45	11:45	10:45
WOI (270m-1110kc), Talk.				
WMAQ (447.5m-670kc), Radio farm school.				
2:50	1:50	12:50	11:50	10:50
KFKX (288.3m-1040kc), "Hog Day."				
7	6	5	4	4
WPG (299.8m-1000kc), "Starting the Sweet Potato Crop."				
8	7	6	5	4 ....
WTAG (267.7m-1120kc), "Home Gardening."				
8:15	7:15	6:15	5:15	4:15
WGY (379.5m-790kc), Agricultural program.				
9	8	7	6	5
WOS (440.9m-680kc), Livestock questions and answers.				
9:30	8:30	7:30	6:30	5:30
KUOA (299.8m-1000kc), Farm Filosofy, Cy Adams.				
WMC (499.7m-600kc), Farm talk.				
WOI (270m-1110kc), Horticultural Short Course lecture.				
9:45	8:45	7:45	6:45	5:45
WCCO (416.4m-720kc), Farm lecture.				
WHA (535.4m-560kc), "Efficient Marketing of Farm Products."				
10:05	9:05	8:05	7:05	6:05
KFAB (340.7m-880kc), Talk.				
10:30	9:30	8:30	7:30	6:30
KOB (348.6m-860kc), Talk.				
11:30	10:30	9:30	8:30	7:30
KOAC (280.2m-1070kc), Market news.				
11:45	10:45	9:45	8:45	7:45
12:05 a. m.	11:05	10:05	9:05	8:05
KGO (361.2m-830kc), Agricultural Outlook.				
KOAC (280.2m-1070kc), Talk.				
12:15	11:15	10:15	9:15	8:15
KOAC (280.2m-1070kc), Talk.				

Saturday, May 22

tors; Jack Goodwin, Jimmie Eggert, Oxford girls, popular program.

WOK, Chicago, Ill. (217.3m-1380kc), 4:30-7 p. m., Capitol theater organ; Tip-Top Inn ensemble concert; 10-1 a. m., Tearney's Town club orchestra; Carl Lorraine's Pershing Palace orchestra; Midway Garden orchestra; Capitol theater program; 1-2, Tearney's Town club orchestra; Midway Garden orchestra.

WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9-10 p. m., Van Campen hour of music; 10-11, Pervis Jeffery, tenor; Roy Clark, Harold De Windt, Bob and Hazel McOsker, Freddie Gleason, Thelma Dykman.

WORD, Batavia, Ill. (275m-1090kc), 7 p. m., Webster hotel concert; 9, studio program.

WRC, Washington, D. C. (468.5m-640kc), 7:15 p. m., Irving Boernstein's Hotel Washington orchestra; 8:15, announced; 10, Hotel Mayflower orchestra; 11-12, organ recital, Otto Beck.

WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., dinner concert; 10-12, Speed-Wagon serenaders.

WSAI, Cincinnati, Ohio (325.9m-920kc), 7 p. m., chimes; 7:30, Bicycle playing card sextet; 9, Maids of Melody; 12, Lelia LeMar, Latonia Melody Boys; Norinne Gibbons, Priscilla Holbrook.

WSWS, Chicago, Ill. (275.8m-1090kc), 6 p. m., Chicago serenaders; Helen Elliott, soprano; James de Young, tenor; 8, Gus Edwards orchestra; Jean Duncan, contralto; Zola Haynes, pianist; Oxford Girls.

WTAM, Cleveland, Ohio (389.4m-770kc), 7 p. m., George Warmack's Singing Syncopators; 8, Hollenden hotel orchestra; 9, Ev Jones and his gang.

WTIC, Hartford, Conn. (475.9m-630kc), 7:30 p. m., H. Leckie, baritone; 7:45, Margaret Sheppard, pianist; 8:15, Ukrainian choir; 8:45, Cleora Miller, contralto; 9, Gladys Slater, trumpeter; 9:15, Henry Kristopher, tenor; 9:30, Carroll's Palais Rayol dance orchestra.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., University of Nebraska entertainers.

KFH, Wichita, Kans. (267.7m-1120kc), 7-8 p. m., artist program.

KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., concert, Villisca; 11, old-time music.

KLDS, Independence, Mo. (440.9m-680kc), 8 p. m., American Guild banjoists.

KMA, Shenandoah, Iowa (252m-1190kc), 9-11 p. m., William Howie, organist.

KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., Mrs. Jacque Landree, organist; 7, Little Red Schoolhouse; 8, Cotton Pickers; 9, Marguerite Schmidt, pianist; David Bittner, violinist; 9:30, organ; 10, KMOX Radio orchestra; 11, club.

KPRC, Houston, Tex. (296.9m-1010kc), 7:30 p. m., Bible class; 8, Frank Tilton, boy pianist; 10, National Advertisers' prize night; 10:30, Harold Oxley's Warwick hotel orchestra.

KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., music and stage specialties.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10-10 p. m., dance selections, New Arlington hotel orchestra; 10-10:30, Louis Davis, baritone; Miss Stannard, soprano; 10:30-11, dance concert.

KVOO, Bristow, Okla. (374.8m-800kc), 6-9 p. m., Marshall Van Pool and his Radio orchestra.

KYW, Chicago, Ill. (535.4m-560kc), 5:30 p. m., dinner concert; 6-7, musical program; 7-8, program; 8-9:30, classical concert; 9:30-10:30, Congress carnival.

WBAP, Fort Worth, Texas (475.9m-630kc), 7:30-8:30 p. m., Sunday school lesson; 9:30-11, Hired Hand's Little symphony.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6:15 p. m., dinner concert; 8:15, musical program; 10:05, Emmet Long's Golden Pheasant dance orchestra.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., organ music; Trianon ensemble; 11:45-1 a. m., Nighthawk frolic.

WFAA, Dallas, Tex. (475.9m-630kc), 6:30-7:30 p. m., Jimmie Joy's orchestra; 8:30-9:30, Mozart choral club; 11-12, Jack Gardner's orchestra.

WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., vocal and instrumental concert.

WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Forrest City, Ark., program.

WOAW, Omaha, Nebr. (526m-570kc), 6 p. m., Herb Feierman and his orchestra; 6:50, orchestra; 7:15, Creighton educational period; 9, Funcasters; 10, Nightingale orchestra.

WOC, Davenport, Iowa (483.6m-620kc), 9-10 p. m., glee club, University of Dubuque.

WRR, Dallas, Texas (245.8m-1220kc), 6-7 p. m., Jack Gardner's orchestra; 8-9, musicale.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., Atwater Kent hour; 10:45, Ernest Rogers' Red Head club.

WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., Beasley Smith's orchestra; 8:15, Barn dance program, features.

WSOE, Milwaukee, Wis. (245.8m-1220kc), 7 p. m., Elks club studios; 8:30, Sunday school lesson; 9, Lakefront studio musicale.

WSUI, Iowa City, Iowa (483.6m-620kc), 7:30 p. m., Geraldine Mars Ristine, pianist; William G. Edmondson, Jr., tenor; Charles Williams, violinist.

Mountain Standard Time Stations

KFAU, Boise, Idaho (280.2m-1070kc), 8:15-10 p. m., program, Mrs. Fred Rosene, director.

KFXF, Colorado Springs, Colo. (249.9m-1200kc), 8 p. m., Mrs. Mabel Otis Bell, soprano, Bertram T. Wheatley, pianist.

KOA, Denver, Colo. (322.4m-930kc), 7 p. m., open-air twilight concert; 8, home songs of twenty-five years ago; Hulda Edwards, soprano; June King, contralto; Ralph Freese, tenor; Ray Nygren, baritone; 9, dance program, Harmony Peerless orchestra.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Al Wesson's orchestra; 8-9, Neblett concert trio and soloists; 9-10, Virginia Flohri, soprano; Olga Steffani, contralto; Robert Hurd, tenor; 10-11, Packard Radio club; 11-2 a. m., KFI midnight frolic, Rob Wagner, master of ceremonies.

KFWB, Hollywood, Calif. (252m-1190kc), 6:30-7:30 p. m., Pontiac six dinner hour; 8-10, Warner Brothers syncopators and entertainers; 10-11, Warner Brothers frolic.

KGO, Oakland, Calif. (361.2m-830kc), 8:10 p. m., San Francisco Lions' club program; addresses, community songs; Jerome Simon, violinist; Frederick Warnke, pianist; boys' band; Elsa Trautner, soprano; 10-12:30 a. m., dance music, Brokaw and orchestra.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., Olds, Wortman and King company; 10-12 midnight, Indian Grill.

KHJ, Los Angeles, Calif. (405.2m-740kc), 8-10 p. m., Times de Luxe program, Karl Brandenburg, tenor.

KNX, Hollywood, Calif. (336.9m-890kc), 7:30-8 p. m., studio program; 8-10, KNX feature program; 10-11, Ambassador hotel dance orchestra; 11-2 a. m., Hollywood Nite, filmland frolic.

KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7:30 p. m., States Restaurant orchestra; 8-12, Fairmont hotel dance orchestra; Maurice Gunsky, tenor; Merton Bories, pianist.

KPSN, Pasadena, Calif. (315.6m-950kc), 8-9 p. m., Star-News hour.

Sunday, May 23

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific	Program
9 p. m.	8	7	6	5	KVOO (374.8m-800kc), Cowboy band.
9:15	8:15	7:15	6:15	5:15	WEAF, (491.5m-610kc), WEEI, WCAP, WJAR, WGR, WCAE, WSAI, WWJ, WGN, KSD, Atwater Kent program.
9:30	8:30	7:30	6:30	5:30	WGBS (315.6m-950kc), Ukranian chorus.
1:15 a. m.	12:15	11:15	10:15	9:15	WHB (365.6m-820kc), Poet of the Common Folks.

For stations silent tonight refer to first Sunday's list.

Atlantic or Eastern Daylight Saving Time Stations

CFCA, Toronto, Can. (356.9m-840kc), 11 a. m., Timothy Eaton Memorial church; 7 p. m., St. Paul's Anglican church.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 11 a. m., Unitarian church services; 5 p. m., recital; 5:15, undenominational church services, Rev. John W. Stockwell, pastor; 5:35, sermon, Rev. John W. Stockwell; 6:30, Pennsylvania hotel concert orchestra; 8, Bonwit Teller ensemble.

WEAF, New York, N. Y. (491.5m-610kc), 3-5 p. m., Sunday Radio service; 6-7:20, ensemble; 7:20, Capitol theater, WEEI, WCAP, WJAR, WTAG, WWJ, WCAE, KSD; 9:15, Atwater Kent half-hour, WCAP, WEEI, KSD, WGR, WWJ, WSAI, WGN.

WEEI, Boston, Mass. (348.6m-860kc), 2 p. m., Sager's hour of hospitality; 5:40, Friendly voice; 6, Jordan Marsh company's Sparkling Diamonds; 7:20, Major Bowes and his Capitol family; 9:15, WEAF; 9:45, Keith's Radio review, B. F. Keith's theater.

WFI, Philadelphia, Pa. (394.5m-760kc), 4:30 p. m., studio services.

WGBS, New York, N. Y. (315.6m-950kc), 9:30 p. m., Ukranian chorus, soloists, Washington Irving high school.

WGR, Buffalo, N. Y. (319m-940kc), 10:45 a. m., Westminster Presbyterian church; 7:45 p. m., Central Presbyterian church; 9:15, WEAF.

WHAR, Atlantic City, N. J. (275.1m-1090kc), 10:45 a. m., Chelsea Baptist church; 2:15 p. m., Seaside hotel trio; 7:50, Chelsea Baptist church; 9, Seaside hotel ensemble.

WHN, New York, N. Y. (361.2m-830kc), 11:30 a. m.-12:30 p. m., Calvary services; 12:30-1, Loew's Lexington organ recital; 2-3, Christian Endeavor program; 3-4:30, Bible class; 4:30-4:40, race results; 5-5:30, Roseland dance orchestra; 7:30-9:45, Calvary services; 10:45-11:15, Janssen's Hofbrau orchestra; 12-12:30 a. m., Sophie Tucker's playground.

WIP, Philadelphia, Pa. (508.2m-590kc), 7:15 p. m., services, Holy Trinity church.

WJAR, Providence, R. I. (305.9m-980kc), 7:20 p. m., WEAF; 9:15, WEAF.

WJZ, New York, N. Y. (454.3m-660kc), 7 p. m., Hotel Pennsylvania concert orchestra; 8, Bakelite hour, variety program; 9, Hotel Commodore concert orchestra; WGY; 10, Godfrey Ludlow, violinist; WGY.

WLIT, Philadelphia, Pa. (394.5m-760kc), 2:30 p. m., Arcadia cafe concert orchestra; 6:30, organ recital; 7:30, Benjamin Franklin hotel concert orchestra.

WLWL, New York, N. Y. (288.3m-1040kc), 8 p. m., Paulist choristers.

WMCA, New York, N. Y. (340.7m-880kc), 11 a. m., Christian Science services; 5:25, Halpert and Fryxell, Buck-a-neers; 7, Ernie Golden and his orchestra; 7:30, Olcott Vail and his string ensemble; 8:30, California Ramblers.

WOO, Philadelphia, Pa. (508.2m-590kc), 10:30 a. m., services, Bethany Presbyterian church; 2:15 p. m., musical exercises, Bethany Sunday school; 6, organ recital.

Eastern Standard or Central Daylight Saving Time Stations

WBAL, Baltimore, Md. (245.8m-1220kc), 7:30-8:30 p. m., WBAL concert orchestra.

WBBM, Chicago, Ill. (225.4m-1330kc), 12:30-2 p. m., noon hour of music; 4-6, matinee; 11:59-3, Nutty club.

WCAP, Washington, D. C. (468.5m-640kc), 11 a. m., First Congregational church; 4 p. m., Outdoor service; 6:20, WEAF; 8:15, WEAF.

WCBD, Zion, Ill. (344.6m-870kc), 8 p. m., male chorus; celestial bells; Beatrice Beem, soprano; Richard F. Hire, violinist; Edwin Sach, pianist; Lillian Detienne, reader.

WEBH, Chicago, Ill. (370.2m-810kc), 10:40 a. m., Seventh Church of Christ, Scientist; 7-9, artists' program.

WENR, Chicago, Ill. (265.3m-1130kc), 9:15 a. m., Irving Park Lutheran church services; 2-3 p. m., Skeeles-Biddle hour of better music; 3-4, Moody Bible Institute hour; 6-7, Moody Bible Institute evening hour; 9:30-12, All-American Pioneers.

WGN, Chicago, Ill. (302.8m-990kc), 6:45-7 p. m., musical program; 7-7:20, The Million Sing; 7:20-7:30, Old Fashioned Almanack; 7:30-7:45, Correll and Gosden; 7:45-8:15, Drake concert ensemble, Blackstone string quintet; 8:15-8:45, WEAF; 8:45-10, "Our Music Room—Verdi"; 10-10:10, Sam 'n' Henry; 10:10-11, musical program.

WGY, Schenectady, N. Y. (379.5m-790kc), 10 a. m., First Reformed church; 3 p. m., Syracuse program; 3:30, Tidmarsh organ recital; 6:30, Albany Street M. E. church; 8, Hotel Commodore orchestra; 10, Godfrey Ludlow, violinist.

WHT, Chicago, Ill. (399.8m-750kc), 12n.-11:30 p. m., Paul Rader.

WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., dinner concert, string trio; Agnes Buchli, soprano; Helen Snyder, Robert York; 10-12, popular program, artists.

WJAZ, Chicago, Ill. (329.5m-910kc), 7-9 p. m., Club Chez Pierre; special musical program, Spanish Garden studio.

WJR, Pontiac, Mich. (516.9m-580kc), 10:30 a. m., First Baptist church.

WKRC, Cincinnati, Ohio (325.9m-920kc), 6:45 p. m., Walnut Hills Christian church; 10, classical program; 11:15, Ace Brigode and his Fourteen Virginians.

WLS, Chicago, Ill. (344.6m-870kc), 10:30 a. m., U. of Chicago church service; 12-2 p. m., Ralph Emerson, organist; 7-8:55, WLS Little Brown church.

WLW, Cincinnati, Ohio (422.3m-710kc), 9:30 a. m., Sunday school, Editorial staff of the Methodist Book concern; 10:45, Seventh Presbyterian church, Jesse Halsey, minister; 3 p. m., Chas. J. Young, organist; 4, program, Woodward high school glee club; 7:30, services, First Presbyterian church; 8:30, concert, the H & S. Pogue company orchestra; soloist, Helen Remley.

WMBB, Chicago, Ill. (249.9m-1200kc), 3-5 p. m., Trianon orchestra, Woodlawn theater orchestra; Wellington Forbes, tenor; Andy Anderson, baritone; piano novelties, Bob Bennett; popular concert; 7 40-9, Fifth Church of Christ, Scientist; 9-11, Trianon orchestra; Andy Anderson, baritone; Preston Graves, pianist; Scotty Welch and Madison Sisters; Golden Harmony trio, popular program.

WOK, Chicago, Ill. (217.3m-1380kc), 6 p. m.,-1 a. m., Tearney's Town club orchestra; Carl Lorraine's Pershing Palace orchestra; Midway Garden orchestra; Capitol theater musical program; Tip-Top string ensemble; studio program.

WREO, Lansing, Mich. (285.5m-1050kc), 10 a. m., Belfry Plymouth Congregational church; 7:30 p. m., Central M. E. church.

WSAI, Cincinnati, Ohio (325.9m-920kc), 11 a. m., Avondale Methodist church; 7:45, chime concert, Robert Badgley; 8, sermonette; 8:15-8:45, WEAF.

WSWS, Chicago, Ill. (275.8m-1090kc), 11 a. m., Moody church; 3:30 p. m., popular service; 7-9:30, evening song service.

WTAM, Cleveland, Ohio (389.4m-770kc), 11 a. m., services; 3 p. m., orchestra; 7, Loew's theater orchestra; 8, Fireside program.

WWJ, Detroit, Mich. (352.7m-850kc), 10 a. m., First Presbyterian church; 2 p. m., Detroit News orchestra; 6:20, WEAF; 8:15, WEAF.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 4-5 p. m., vesper; 9-11, Cuba, Ks. band.

KFDM, Beaumont, Tex. (315.6m-950kc), 11 a. m., service; 8, Presbyterian church.

KFH, Wichita, Kans. (267.7m-1120kc), 9:45 a. m., Men's Brotherhood Bible class; 7:15 p. m., First Baptist church; 10-11, Coleman string quartet.

KFMX, Northfield, Minn. (336.9m-890kc), 7-8 p. m., vesper service.

KFNF, Shenandoah, Iowa (263m-1140kc), 10:45 a. m., First M. E. church; 2:30 p. m., Golden Rule song service; 3, Swedish Mission church; 6:30, Golden Rule circle; 7:30, Christian church services.

KFQA, St. Louis, Mo. (280.2m-1070kc), 8 p. m., Fourth Church of Christ, Scientist.

KLDS, Independence, Mo. (440.9m-680kc), 11 a. m., Baccalaureate service; 3 p. m., William Jewell college men's glee club; 6:30, Radio vesper service; 9:15, sacred program.

KMA, Shenandoah, Iowa (252m-1190kc), 8:30 a. m., sacred service; 4-5 p. m., church choir; 5-6, Rev. Lippitt.

KMOX, St. Louis, Mo. (280.2m-1070kc), 9 p. m., Skouras Brothers Sunday night club; 10, St. Louis Globe-Democrat.

KPRC, Houston, Tex. (296.9m-1010kc), 9:50 a. m., Trinity Lutheran church; O. Mueller, organist; 3 p. m., Wichita Falls-Houston baseball game; 8, Trinity Lutheran church; 9:30, Houston Municipal orchestra; 11, Texan theater pipe organ concert.

KSD, St. Louis, Mo. (545.1m-550kc), 5:15 p. m., WEAF.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10-10 p. m., classic hour, New Arlington Hotel Meyer Davis orchestra; 10-11:30, Benny Ford's orchestra.

KVOO, Bristow, Okla. (374.8m-800kc), 12:30-7 p. m., pipe organ; Rev. Leeper and his twenty piece string band; Laughton Family; Oklahoma Cowboy band; Cushing Military band; 7:30-9, worship hour.

KYW, Chicago, Ill. (535.4m-560kc), 10 a. m., Central church; 3:30 p. m., studio concert; 6-8:30, Chicago Sunday Evening club service; 8:30-10, classical concert.

WBAP, Fort Worth, Texas (475.9m-630kc), 11 a. m., First Presbyterian church; 5-6 p. m., sacred concert; 9:30-11, musicale.

WCAL, Northfield, Minn. (336.9m-890kc), 8:30 a. m., Norwegian church services; 9:15 p. m., services.

WDAF, Kansas City, Mo. (365.6m-820kc), 3-4 p. m., program; 4-4:45, vespers.

WFAA, Dallas, Tex. (475.9m-630kc), 6-7 p. m., Bible class; 7:15-8, Tom Collins and his mandolin club; 8-9, First Church of Christ, Scientist; 11-12, Jimmie Joy's orchestra.

WHB, Kansas City, Mo. (365.6m-820kc), 9:40-10:45 a. m., Linwood Blvd. Christian church; 11:10-12:30 p. m., Independence Blvd. Christian church; 8-9, church services; 11:15-1 a. m., Linwood feature; Morrill Moore, organist; Don Anchors, poet.

WHO, Des Moines, Iowa (526m-570kc), 11 a. m., St. Paul's Episcopal church; 5-6 p. m., Bankers' Life trio; Myrtle Williams, soprano; Stewart Watson, baritone; Bankers Life trio; 7:30-8:30, Fourteenth Cavalry band; 11-12 midnight, Bankers Life symphonic orchestra.

WMC, Memphis, Tenn. (499.7m-600kc), 11 a. m., First Methodist church.

WOAW, Omaha, Nebh. (526m-570kc), 9 a. m., chapel service; 1:30 p. m., classical; 9, chapel.

WOC, Davenport, Iowa (483.6m-620kc), 1-2:30 p. m., Old Folks' musical program; 6:30-7, Centenary Methodist church; 10-11:30, Palmer Little symphony.

WOS, Jefferson City, Mo. (440.9m-680kc), 9:30 a. m., Christian church.

WRR, Dallas, Texas (245.8m-1220kc), 10:45 a. m., St. Matthew's cathedral; 7:30 p. m., St. Matthew's cathedral; 9:30-10:30, Elk Chanters.

WSB, Atlanta, Ga. (428.3m-700kc), 5 p. m., Central Baptist church choir; 7:30, All Saints Episcopal church services.

WSM, Nashville, Tenn. (282.9m-1060kc), 7:30 p. m., First Presbyterian church.

WSUI, Iowa City, Iowa (483.6m-620kc), 9:30 p. m., familiar hymns, Mrs. Mildred B. Paddock.

Mountain Standard Time Stations

KFXF, Colorado Springs, Colo. (249.9m-1200kc), 11 a. m., First Presbyterian church; 7:30 p. m., First Methodist church.

KOA, Denver, Colo. (322.4m-930kc), 11 a. m., services, Warren Memorial Methodist church; 3:30 p. m., Consolidated band of Denver and Rio Grande Western railroad; 5, Denver College of Music; 6:30, KOA choristers; 8, Eljebel shrine band.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-7:30 p. m., Grebe Synchrophase string ensemble; 7:30-8, Jim, Jack and Jean trio; 8-9, Aeolian organ; 9-10, Movieland syncopators; 10-11, Packard Six dance orchestra.

KFWB, Hollywood, Calif. (252m-1190kc), 9-11 p. m., Warner Brothers Sunday night movie frolic.

KGW, Portland, Ore. (491.5m-610kc), 10:25 a. m., First Presbyterian church; 7:30-9 p. m., First Congregational church; 9-10, Chevrolet symphony orchestra.

KHJ, Los Angeles, Calif. (405.2m-740kc), 7-8 p. m., First Methodist Episcopal church; 8-10, KHJ's Sunday night classical concert.

KNX, Hollywood, Calif. (336.9m-890kc), 8-9 p. m., First Presbyterian church of Hollywood; 9-10:30, program, Beverly Hills Nurseries.

KPSN, Pasadena, Calif. (315.6m-950kc), 8:45-9:45 p. m., Maryland Artists' ensemble.

KTAB, Oakland, Calif. (239.9m-1250kc), 9:45 a. m., Bible lecture, Prof. E. G. Linsley; 11, service; 7:45 p. m., service; 9:30-11, concert.

Monday, May 24

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific	Program
9 p. m.	8	7	6	5	CKNC (356.9m-840kc), Verdi mixed quartet. WHB (365.6m-820kc), American Guild of Banjoists.
11	10	9	8	7	KPRC (296.9m-1010kc), Ruth Burr, artist pianist.
10	9	8	7	6	WCAU (277.6m-1080kc), Madrigal mixed quartet.
10:15	9:15	8:15	7:15	6:15	WRVA (256.3m-1170kc), "Carmen."
10:30	9:30	8:30	7:30	6:30	WLIT (394.5m-760kc), Vaudeville.
12 m.	11	10	9	8	KTAB (239.9m-1250kc), Golden West entertainment.

For stations silent tonight refer to first Monday's list.

Atlantic or Eastern Daylight Saving Time Stations

CKNC, Toronto, Can. (365.9m-840kc), 9 p. m., CKNC Chamber orchestra; Verdi mixed quartet.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30 p. m.,

GENERAL TALKS AND SPEECHES

Saturday, May 15

Atlantic	Eastern	Central	Mountain	Pacific	Program
8:30 p. m.	7:30	6:30	5:30	4:30	CKAC (410.7m-730kc), "Seeing Lachine," Mayor Dalbe Viau.
8:45	7:45	6:45	5:45	4:45	WRC (468.5m-640kc), "The Work of Congress."
10	9	8	7	6	WCCO (416.4m-720kc), "Fireside Philosophies," Rev. Roy L. Smith.
11	10	9	8	7	KFXF (249.9m-1200kc), "Vacation Land," Gilbert McClurg.

Monday, May 17

Atlantic	Eastern	Central	Mountain	Pacific	Program
7 p. m.	6	5	4	3	WGBS (315.6m-950kc), "Summer in Europe," Hallie Jameson.
8	7	6	5	4	WDAF (365.6m-820kc), Address, Edgar A. Linton.
8:45	7:45	6:45	5:45	4:45	WEEI (348.6m-860kc), "What Chance Has a Business Beginner," I. L. Lindabury.
9:15	8:15	7:15	6:15	5:15	WKRC (325.9m-920kc), Americanization talk.
10	9	8	7	6	WHA (535.4m-560kc), "Nesting Time of the Birds," R. H. Denniston.
12:25 a. m.	11:25	10:25	9:25	8:25	KGO (361.2m-830kc), "Chats About New Books," Joseph Henry Jackson.
12:50	11:50	10:50	9:50	8:50	KGO (361.2m-830kc), "New Poetry and Drama," Wilda Wilson Church.
1:15	12:15	11:15	10:15	9:15	KGO (36.2m-830kc), "Character Training in the Home," Angelo Patri.

Tuesday, May 18

Atlantic	Eastern	Central	Mountain	Pacific	Program
7:30 p. m.	6:30	5:30	4:30	3:30	WGY (379.5m-790kc), "Greek Religion," Prof. Coffin. WHAR (275.1m-1090kc), "Glimpses Through the Stage Door," Mort Eiseman.
7:35	6:35	5:35	4:35	3:35	WGY (379.5m-790kc), "Green Science," Prof. Harrison C. Coffin.
8:20	7:20	6:20	5:20	4:20	WLW (422.3m-710kc), "Aeronautics, U. S. Air Service."
9:30	8:30	7:30	6:30	5:30	CKAC (410.7m-730kc), "What Is to Be Seen in Quebec."
11	10	9	8	7	KFXF (249.9m-1200kc), "Out Where the West Begins," Gilbert McClurg. WMAQ (447.5m-670kc), Book talks.
11:30	10:30	9:30	8:30	7:30	WCCO (416.4m-720kc), "Outdoors in Minnesota."

Wednesday, May 19

Atlantic	Eastern	Central	Mountain	Pacific	Program
9 p. m.	8	7	6	5	WKRC (325.9m-920kc), Book reviews. WTIC (475.9m-630kc), "The Three Fingered Villian," Prof. George A. Hill.
11	10	9	8	7	KOA (322.4m-930kc), "Historical Comments on the Development of Oratorio," Dean Edwin J. Stringham.
11:15	10:15	9:15	8:15	7:15	KWSC (348.6m-860kc), Book review, Alice Lindsay Webb.
12 m.	11	10	9	8	KOAC (280.2m-1070kc), "Oregon—A Wonderland."

Thursday, May 20

Atlantic	Eastern	Central	Mountain	Pacific	Program
7:30 p. m.	6:30	5:30	4:30	3:30	WGY (379.5m-790kc), Book talk.
8	7	6	5	4	WEAF (491.5m-610kc), "What's a Good Book to Read," Thomas Masson.
8:15	7:15	6:15	5:15	4:15	WCCO (416.4m-720kc), Gorgas memorial, Dr. L. H. Cady.
8:30	7:30	6:30	5:30	4:30	WIP (508.2m-590kc), "Practical Disarmament," Dr. Alfred H. Haag.
10	9	8	7	6	WRC (468.5m-640kc), "Political Situation in Washington Tonight," Frederic W. Wile.
11:30	10:30	9:30	8:30	7:30	WCCO (416.4m-720kc), "Rights of the Accused," Assistant County Attorney Arthur Markve.

Friday, May 21

Atlantic	Eastern	Central	Mountain	Pacific	Program
8 p. m.	7	6	5	4	WOAW (526m-570kc), Music review, Hester Bronson Copper.
9:30	8:30	7:30	6:30	5:30	WCAL (336.9m-890kc), Book talk, Dr. George Weida Spohn. WHAS (399.8m-750kc), Civil service talk.

Atlantic	Eastern	Central	Mountain	Pacific	Program
10 p. m.	9	8	7	6	WOOD (241.8m-1240kc), "Schubert," Blanche Fox Steenman. KHJ (405.2m-740kc), "Los Angeles to Paris, 1940," W. D. Waterman.
11:30	10:30	9:30	8:30	7:30	KHJ (405.2m-740kc), "Aviation," W. D. Waterman. KOA (322.4m-930kc), "Development of Grand Opera," Dean Edwin J. Stringham.

Saturday, May 22

Atlantic	Eastern	Central	Mountain	Pacific	Program
8 p. m.	7	6	5	4	WDAF (365.6m-820kc), Educational series.
8:55	7:55	6:55	5:55	4:55	WFAA (475.9m-630kc), "Coins and Coinage," W. A. Phillpot, Jr.
12:10 a. m.	11:10	10:10	9:10	8:10	KGO (361.2m-830kc), Address, Hon. James Rolph, Jr., Mayor of San Francisco.

Monday, May 24

Atlantic	Eastern	Central	Mountain	Pacific	Program
8 p. m.	7	6	5	4	WDAF (365.6m-820kc), Address, Edgar A. Linton.
12 m.	11	10	9	8	KFXF (249,9m-1200kc), "Panoramic Colorado Springs," Gilbert McClurg.
12:25 a. m.	11:25	10:25	9:25	8:25	KGO (361.2m-830kc), "Chats About New Books," Joseph Henry Jackson.

Tuesday, May 25

Atlantic	Eastern	Central	Mountain	Pacific	Program
8:20 p. m.	7:20	6:20	5:20	4:20	WLW (422.3m-710kc), "Aeronautics, U. S. Aair Service."
11	10	9	8	7	KFXF (249.9m-1200kc), "Pageant of Peak, Pass and Plain," Gilbert McClurg. WMAQ (447.5m-670kc), Book talk. WOC (483.6m-620kc), Travel talk.
11:30	10:30	9:30	8:30	7:30	WCCO (416.4m-720kc), "Outdoors in Minnesota."

Wednesday, May 26

Atlantic	Eastern	Central	Mountain	Pacific	Program
11:30 p. m.	10:30	9:30	8:30	7:30	KWSC (348.6m-860kc), Book review, Alice Lindsay Webb.

Thursday, May 27

Atlantic	Eastern	Central	Mountain	Pacific	Program
7:30 p. m.	6:30	5:30	4:30	3:30	WGY (379.5m-790kc), Book chat.
8	7	6	5	4	WFI (394.5m-760kc), "What Good Books to Read," Thomas Masson.
10	9	8	7	6	WEAO (293.9m-1020kc), Gold talk.
1 a. m.	12 m.	11	10	9	KGO (361.2m-830kc), "Wonders of the Sky," Henry M. Hyde.

Friday, May 28

Atlantic	Eastern	Central	Mountain	Pacific	Program
8 p. m.	7	6	5	4	WOAW (526m-570kc), Music review, Hester Bronson Copper.
9:30	8:30	7:30	6:30	5:30	WCAL (336.9m-890kc), Book talk.
10	9	8	7	6	WOOD (241.8m-1240kc), "Mendelssohn," Blanche Fox Steenman.
11	10	9	8	7	KFXF (249.9m-1200kc), "The Gospel of Sunshine and Scenery," Gilbert McClurg.

Saturday, May 29

Atlantic	Eastern	Central	Mountain	Pacific	Program
8 p. m.	7	6	5	4	WDAF (365.6m-820kc), Educational series.
8:45	7:45	6:45	5:45	4:45	WRC (468.5m-640kc), "The Work of Congress."
11	10	9	8	7	KFXF (249.9m-1200kc), "Switzerland of America," Gilbert McClurg.

Monday, May 31

Atlantic	Eastern	Central	Mountain	Pacific	Program
8 p. m.	7	6	5	4	WDAF (365.6m-820kc), Address, Edgar A. Linton.
8:30	7:30	6:30	5:30	4:30	WOO (508.2m-590kc), Address, Rev. Forest Dagar.
10	9	8	7	6	WBAL (245.8m-1220kc), Meredith Janvier, writer. WRVA (256.3m-1170kc), "True Virginia Lore," Dr. Douglas S. Freeman.
12 m.	11	10	9	8	KFXF (249.9m-1200kc), "Pike's Peak or Bust," Gilbert McClurg.
12:25 a. m.	11:25	10:25	9:25	8:25	KGO (361.2m-830kc), "Chats About New Books," Joseph Henry Jackson.

Monday, May 24

E. Snellenburg and company recital; 8, Carolyn Thomas, soprano, Ella Jaquette, pianist; 8:30, the Hood Boys; 8:45, recital; 9, Merry Minstrels; 10, Madrigal mixed quartet.

WEAF, New York, N. Y. (491.5m-610kc), 4-12 midnight, John A. Parrish, tenor; I. J. Greenwood, pianist; Margaret Mack, soprano; Edgar Gruen, baritone; Jean Van Olinda, pianist; Edna Van Olinda, violinist; A and P. Gypsies; "Mignon." WEAF Grand Opera company, WOO, WCAE, WJAR, WCAP, KSD, WTAG, WTIC.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra.

WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., The Californians; 8, Dixie Six orchestra; Jack Bishop; 9, program, General Ice Cream company; 10, Charles Duff, blind pianist; 11, Vincent Lopez Hotel Statler dance orchestra.

WHAR, Atlantic City, N. J. (275.1m-1090kc), 8 p. m., Seaside hotel trio; 11, Follies Bergere dance orchestra.

WHN, New York, N. Y. (361.2m-830kc), 6:30 p. m., movie club; 7:30, Joe Ward's Swanee entertainers; 8:05, Roseland dance orchestra; 8:30, George's Surprise; 9, Leverich Three and "Peter the Great"; 9:30, Loew's New York orchestra; 10, Palisades Amusement Park orchestra; 10:30, Leory Smith's orchestra; 11, Cotton club orchestra; 11:30, Club Alabam orchestra; 12 midnight, Silver Slipper orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 7, Uncle Wip's bedtime stories.

WJAR, Providence, R. I. (305.9m-980kc), 7:45 p. m., musical program; 9-11, WEAF.

WJZ, New York, N. Y. (454.3m-660kc), 7 p. m., Hotel Madison dinner concert; 7:55, John B. Kennedy; 8, B. Fisher and company's Astor Coffee orchestra; 9, Reading Railroad Revelers; 10, Moorland hour; 10:45, Harry Leonard's Waldorf-Astoria orchestra.

WLIT, Philadelphia, Pa., (394.5m-760kc), 9 p. m., Stanley hour of music; 10, Arcadia cafe dance orchestra; 10:30, vaudevilie features, Fay's Knickerbocker theater; 10:45, Ben Franklin hotel concert orchestra.

WLWL, New York, N. Y. (288.3m-1040kc), 8:30 p. m., Chamber Music, society of America; 9:30, Schickerling concert.

WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Olcott Vail and his Hotel McAlpin string ensemble; 6:30, Ernie Golden and his Hotel McAlpin orchestra; 7:30, Kurtz Karnival Kings; 8, Terminal Music hour; 10:30, Woodmansten Inn orchestra; 12 midnight, McAlpin entertainers.

WNYC, New York, N. Y. (526m-570kc), 6:20 p. m., piano selections.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Ritz-Carlton dinner dance orchestra; 8, recital; 9, WEAF; 10, WEAF; 11, Adelphia dance orchestra.

WOR, Newark, N. J. (405.2m-740kc), 6:30 p. m., Hotel Bretton Hall quartet.

Eastern Standard or Central Daylight Saving Time Stations

WBAL, Baltimore, Md. (245.8m-1220kc), 8-9 p. m., instrumental soloists; 9:10-10, Treble clef club; 10-11, WBAL ensemble.

WCAP, Washington, D. C. (468.5m-640kc), 7-8 p. m., studio program; 8-10, WEAF.

WGHB, Clearwater, Fla. (265.3m-1130kc), 8:30-10 p. m., diversified program; Bob Houts, baritone; Marion Hoffman, pianist; Caroline Lee, "The Virginia Girl" and her Spanish guitar.

WGY, Schenectady, N. Y. (379.5m-790kc), 6:30-7:15 p. m., WGY orchestra; 8-8:30, WGY orchestra.

WHAZ, Troy, N. Y. (379.5m-790kc), 8:30 p. m., Russell Sage college glee club; 9:30, Philmont band.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Jean Goldkette's Petite symphony orchestra; 7:15, Casper Lingeman entertainers; 7:45, Goodwell Oakland; 9, Paige and Jewett Sixes; 11:30, Merry Old Chief.

WKRC, Cincinnati, Ohio (325.9m-920kc), 6 p. m., Alvin Roehr and his Hotel Alms orchestra; 8, Eugene Perazzo, pianist; 8:20, Cincinnati public school program; 9, Robert E. Bentley Post American Legion; 12, Erwin Read's Garden of Allah orchestra.

WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., concert, Hotel Gibson Florentine room, orchestra; 7:30, theatrical feature; 7:40, Hotel Gibson concert; Crosley Salon orchestra.

WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9-10 p. m., classical concert, Herman C. Johnson and his Elks band; 10-11, Mills-Wetzel presentation; 11-12, "19th Woodpile"; WOOD syncopated ensemble.

WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., Speed-Wagon serenaders; Gold Standard ensemble.

WRVA, Richmond, Va. (256.3m-1170kc), 8:45 p. m., Moment Musical trio; 9:15, "Carmen," Edgeworth opera company; 10, Acca Temple Shrine chanters; 11, sign off.

WTAM, Cleveland, Ohio (389.4m-770kc), 6 p. m., Hollenden orchestra; 8, Willard symphony; 9, studio program; 10, Willard symphony; 11, Austin Wylie's orchestra.

WTIC, Hartford, Conn. (475.9m-630kc), 7:30 p. m., Capitol theater orchestra; 8, Mme. Fely Clement, operatic soprano; 8:30, Emil Heimberger's Hotel Bond dance orchestra; 9, WEAF; 10, Travelers symphonic ensemble.

WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7, studio program; 8, WEAF; 9, Detroit News orchestra.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., dinner concert; 8:30-10:30, Orville Andrews, Buick Warbler; Belshaw's orchestra; Cowbell Boys; Harmony Boys.

KFH, Wichita, Kans. (267.7m-1120kc), 7-8 p. m., Gage Brewers' Hawaiians.

KFKU, Lawrence, Kans. (275.1m-1090kc), 7:15 p. m., Naomi MacLaren, soprano; Paul Hansen, violinist; Florence Beamer, pianist; 8, Lee Green, organist.

KFKX, Hastings, Nebr. (288.3m-1040kc), 9-11 p. m., musical program, Hastings College Conservatory.

KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., Henry Field Seed company.

KMA, Shenandoah, Iowa (252m-1190kc), 9-11 p. m., Farnham trio.

KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., Mrs. Jacque Landree, organist; 7, Buster Brown; 8, Colonel 6121; 9:30, Al and Bob; 10, KMOX Radio orchestra; Alex Halbaum, clarinetist; John Holmes, pianist; 11, Rendezvous club.

KPRC, Houston, Texas (296.9m-1010kc), 7:30 p. m., saw novelty music, J. Perkins; 7:45, Records' Ramblers dance orchestra; 8:30, South End Christian quartet, mixed voices; Mrs. Alta Shriner, accompanist; 9, Ruth Burr, artist pianist; Mrs R. MacLennan, cellist; Mrs. Albert Tomfohrde, violinist.

KSD, St. Louis, Mo. (545.1m-550kc), 8 p. m., WEAF.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10-9:45 p. m., New Arlington string quartet; 9:45-10:15, Lawson Reid, organist; 10:15-10:45, Lon Chassy, violinist; John G. Heyn, pianist.

KUOA, Fayetteville, Ark. (299.8m-1000kc), 8 p. m., musical program.

KVOO, Bristow, Okla. (374.8m-800kc), 6-9 p. m., Mrs. J. C. Weaver, "Oklahoma's Sweetheart of the Air."

WBAP, Fort Worth, Texas (475.9m-630kc), 7:30-8:30 p. m., Gordon B. Allen; 9:30-11, musicale; 11-12 midnight, Lloyd McFall's orchestra.

WCOA, Pensacola, Fla. (222m-1350kc), 7 p. m., 13th Coast Artillery band; Anita O. Villar, vocalist; John E. Frenkel, Breezy Boy from the Gulf; WCOA string quartet.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., Trianon ensemble; 8-9, Ivanhoe band; 9-10, Star's Radio orchestra; 11:45-1 a. m., Ted Weems' Victor Recording orchestra; Ted Meyn, organist; Earl Coleman's orchestra.

WFAA, Dallas, Texas (475.9m-630kc), 4:30-5 p. m., Margaret Fifer and her Park Inn orchestra; 6:30-7:30, Smith-Shaw college club orchestra.

WGST, Atlanta, Ga. (270.1m-1110kc), 9-10 p. m., WGST staff program, W. S. Scherffius, reader; W. W. Merkle, mandolinist; J. H. Persons, cornetist; S. E. Jackson, saxophonist; L. A. Newcomb, saxophonist.

WHA, Madison, Wis. (535.4m-560kc), 8 p. m., School of music.

WHB, Kansas City, Mo. (365.6m-820kc), 7-8 p. m., visiting delegates, American Guild of Banjoists, Mandolin and Guitarists.

WHO, Des Moines, Iowa (526m-570kc), 7:30-9 p. m., Prof. Joseph Gifford, reader; Mrs. Robert Evans, soprano; Mrs. Stewart Witmer, accompanist; Irene Maley, pianist; Alex Lindblom, violinist; 11-12 midnight, organ recital, L. Carlos Meier.

WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., musical program.

WOAW, Omaha, Nebr. (526m-570kc), 6:20 p. m., Frank Peterson, tenor; Helen Higgins, pianist; 6:50, Randall's Royal Fontenelle orchestra; 9, classical.

WOS, Jefferson City, Mo. (440.9m-680kc), 8 p. m., WOS studio; 8:10, vocal and piano program.

WRR, Dallas, Texas (245.8m-1220kc), 6-7 p. m., dinner hour concert; 8-9, Times Herald artists concert; 11-12 midnight, George Perfect, organist.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., concert; 10:45, Vick Myers' orchestra.

WSM, Nashville, Tenn. (282.9m-1060kc), 7 p. m., Beasley Smith's orchestra; 8:15, Mrs. Frank Westmoreland, soprano; Meredith Flautt, contralto; Mrs. Joseph Woodward, pianist; 10, Vito Pellettieri and his orchestra.

WSUI, Iowa City, Iowa (483.6m-620kc), 8 p. m., Mrs. Preston Coast, organist.

Mountain Standard Time Stations

KFXF, Colorado Springs, Colo. (249.9m-1200kc), 9 p. m., Edwin Dietrich's Doubled string sextet; Dorothy Wells, cellist; Margaret Dietrich, violinist; Verda McCleary, pianist; John D. Hiltbrand, bass.

KOA, Denver, Colo. (322.4m-930kc), 8 p. m., Greeley, Colo., artists.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Owen Fallon's Californians; 8-9, Guzman trio, Jean Hayden, soprano; 9-10, program, Walter M. Murphy Motors company, Los Angeles string trio; 10-11, popular program, Meiklejohn Brothers.

KFWB, Hollywood, Calif. (252m-1190kc), 6:30-7:30 p. m., Pontiac six dinner hour; 7:30-8, program, Dr. Ralph Mitchell and associated dentists; 8-9, program, Corduroy Tire stores; 9-10, Bill Hatch's Oakmont Country club orchestra; 10-11, Warner Brothers frolic.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-9, instrumental music; 9-10, vaudeville entertainment; 10-12 midnight, Cole McElroy's dance orchestra.

KNX, Hollywood, Calif. (336.9m-890kc), 7-7:30 p. m., Mutual Motors mirth contest; 7:30-8, program, Overell's Furniture company; 8-9, program, L. W. Stockwell company; 9-10, feature program; 10-11, Goodrich, Silvertown Cord dance orchestra; 11-12, Ambassador hotel dance orchestra.

KTAB, Oakland, Calif. (239.9m-1250kc), 8-10 p. m., program.

KWSC, Pullman, Wash. (348.6m-860kc), 7:15 p. m., John Kassebaum, vocalist; Edna Phillips, pianist; Raymond Howell, violinist.

Tuesday, May 25

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
10 p. m.	9	8	7	6

WBAL (245.9m-1220kc), U. S. Naval Academy band.

10:30	9:30	8:30	7:30	6:30

WFAA (475.9m-630kc), Sacred harp singers.

11	10	9	8	7

KPRC (296.9m-1010kc), Paramount Five.
WEAF (491.5m-610kc), Buffalodians.
WGR (319m-940kc), Colonial entertainers.

11:10	10:10	9:10	8:10	7:10

KTHS (374.8m-800kc), Musical comedy gems.

Atlantic	Eastern	Central	Mountain	Pacific
1 a. m.	12 m.	11	10	9

WIBO (225.4m-1330kc), Tennessee Ginger Snaps.

For stations silent tonight refer to first Tuesday's list.

Atlantic or Eastern Daylight Saving Time Stations

CKAC, Montreal, Canada (410.7m-730kc), 7:15 p. m. Windsor hotel dinner music; 10:30, Red Jackets.

CNRA, Moncton, Canada (312.4m-960kc), 9 p. m., artists from Charlottetown, Prof. W. E. Fletcher, director; 11, CNRA dance orchestra.

WCAU, Philadelphia, Pa. (277.6-1080kc), 6:30 p. m., Parodians dance orchestra; 7:30, Snellenburg Instrumental trio; 8, theater digest; 8:10; the Three Brothers; 8:25, Peter Ricci, baritone; 8:45; Higgins and Burke, song writers; 9, Robert Fraser, blind gospel singer; 9:30, Esther Lawrence and Her Players; 10, Malle and Dougherty, songs and jests; 10:30, Cathay Tea Garden dance orchestra.

WEAF, New York, N. Y. (491.5m-610kc), 4-12 midnight, Nellie Laura Walker, soprano; Salon concert; Grand Prize Barekas; Gold Dust Twins; Eveready hour; variety half-hour; Vincent Lopez and his orchestra; Buffalodians.

WEBJ, New York, N. Y. (272.6m-1100kc), 7-7:15 p. m., Ritz theater ensemble; 7:30-7:45, Luna Park, Coney Island program; 8:15, Jack Gall, concert pianist; 8:30-9, Luna Park, Coney Island program.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra; 8, 11:30, WEAF.

WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., Vincent Lopez Hotel Statler dance orchestra; 8, WEAF.

WHAR, Atlantic City, N. J. (275.1m-1090kc), 8 p. m., Seaside hotel trio.

Tuesday, May 25

WHN, New York, N. Y. (361.2m-830kc), 6:30 p. m., Everglades orchestra; 7, Vincent Lopez Iceland orchestra; 7:30, Will Oakland's Chateau; 8, Treasureland Neighbors; 9, orchestra; 11, Anatol Friedland; 11:30, Sophie Tucker's Playground; 12 midnight, Harry Richman and his entertainers.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:15 p. m., Benjamin Franklin concert orchestra; 8:15, Ralph Weider, baritone; 10:30, El Patio dance orchestra.

WJAR, Providence, R. I. (305.9m-980kc), 7:30 p. m., musical program; 8-10, WEAF.

WJZ, New York, N. Y. (454.3m-660kc), 7 p. m., Frank Dole Whippitt; 8:15, Cosmo Hamilton, Radio novel; 8:30, Deltah pearl hour, WRC, WGY; 10, The Grand tour, WRC, WGY; 10:45, George Olsen's Hotel Pennsylvania Grill orchestra.

WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Olcott Vail and his string ensemble; 7, Hofbrau Haus entertainers; 7:30, Sachs musical monarchs; 8, Pace Institute program; 8:30, California Ramblers; 9:30, Columbia Park entertainers; 11, McAlpin orchestra; 12, McAlpin entertainers.

WNYC, New York, N. Y. (526m-570kc), 6:55 p. m., piano selections.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Adelphia dinner dance orchestra.

WOR, Newark, N. J. (405.2m-740kc), 6:30 p. m., Jacques Jacobs' Hotel Shelton ensemble; 7:15-7:30, Zit's Central Park Casino orchestra; 9, Gertner's string quartet; 10:45-12 midnight, Billy Rose Fifth Avenue club orchestra.

Eastern Standard or Central Daylight Saving Time Stations

WBAL, Baltimore, Md. (245.8m-1220kc), 8-9 p. m., Hilda Hopkins Burke, soprano; Celia Brace, violinist; George Bolek, pianist; 9-10, U. S. Naval academy band; 10-10:30, WBAL male quartet; 10:30-11, Frederick D. Weaver, organist.

WBBM, Chicago, Ill. (225.4m-1330kc), 8-9:30 p. m., Alemite orchestra; 9:30-10, Moss Covered melodies; 10-11, Harmonious hash; 11-12 midnight, dance period.

WCBD, Zion, Ill. (344.6m-870kc), 8 p. m., mixed quartet, flute trios; McElroy saxophone quintet; Erma Reynolds, soprano; Edith Carey, contralto; E. B. Paxton, baritone.

WEBH, Chicago, Ill. (370.2m-810kc), 7-8 p. m., Edgewater Beach hotel Orole orchestra; Kathryn Forbes; Lydia Lochner; 9:10-10, Uptown theater; 11-12:30, Gail Bandell; Syncopating Serenaders.

WENR, Chicago, Ill. (265.3m-1130kc), 6-7 p. m., Rauland lyric trio; 8-9, Arthur Dunas; 9-10, Moody Bible institute.

WGN, Chicago, Ill. (302.8m-990kc), 6:45-7:15 p. m., Blackstone string quintet, Drake concert ensemble; 8-9, WEAF; 9-10, "The Bohemian Girl"; 10-10:10, Sam 'n' Henry; 10:10-10:20, musical program; 10:20-10:40, play shop; 10:40-11, musical program, ensemble.

WGY, Schenectady, N. Y. (379.5m-790kc), 6:45 p. m., musicale; 7:30-8, Deltah half-hour of romance; 8-9, pupils, S. Graham Nobbes; 9-9:30, grand tour.

WHT, Chicago, Ill. (399.8m-750kc), 7 p. m., organ recital, Al Carney; 7:40, Grayling's ensemble; 7:50, Loftis Diamond quartet; 8:45-10:15 (238m-1260kc), Cinderella cafe orchestra; 10:30 (399.8m-750kc), Kitchen Klenzer entertainers; 10:50, Pat Barnes and Al Carney; 11:10, U. S. L. half hour of dance music.

WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., dinner concert; WIBO string trio; Chester Neumann, baritone; Agnes Buchli, soprano; Charlotte Edwards, contralto; Ruth Flock, reader; organ recital; 12, jamboree; Ted Fiorito, pianist; Dan Russo, violinist; Marie Tully, songs; Wayne Myers, monologist, artists.

WJAZ, Chicago, Ill. (329.5m-910kc), 1 a. m., Club Chez Pierre; Earl Hoffman's Chez Pierre orchestra; "The Quips that Pass in the Night"; William Hayden, tenor; The Gage Girls, popular duets; Kathryn Ready, soprano.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Glover Watson old-time dance orchestra; 8, Tom Bartel's Boys; 9, Jean Goldkette's orchestra.

WKRC, Cincinnati, Ohio (325.9m-920kc), 10 p. m., Eugene Perazzo, organist; 11, popular song features; 11:15, Doc Howard's WKRC broadcasters.

WLS, Chicago, Ill. (344.6m-870kc), 6:30 p. m., Elsie Look, organist; 6:45, College Inn orchestra; 7:15, Prof. Davis Edwards, reader; 7:30, Ralph Emerson, organist; 8-8:55, popular music.

WLW, Cincinnati, Ohio (422.3m-710kc), 6-6:30 p. m., Boy Scout band; 7:30, piano memories, Mary Louise Woscezek; 8, the Crosley Burnt Corkers; 9, concert, Formica symphony orchestra, Wm. Stoess, director.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Hotel LaSalle orchestra; 8, musical program; 9:20, musical program, chimes.

WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon ensemble; Genevieve Burnham, operatic music; 9-11, Trianon orchestra; ensemble; Oxford Girls, Joe Warner, Bob Bennett, Nora Noraine, Lou Sievers; popular program.

WOK, Chicago, Ill. (217.3m-1380kc), 4:30-7 p. m., Capitol theater organ; tenor; string ensemble; 10-1:30 a. m., Tearney's Town club orchestra; Pershing Palace orchestra; Midway Garden orchestra; Capitol theater program, studio program.

WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9-10 p. m., Ye Olde Tyme Songe Feste, Roy Clark, Sally Simpkins; 10-11, Salvation Army program.

WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., dinner concert; 8:15, Reo Motor Car company band.

WRC, Washington, D. C. (468.5m-640kc), 7:30 p. m., WJZ; 8, announced; 9, WJZ; 9:30, announced; 10:30, Meyer Davis' Swanee syncopators.

WRVA, Richmond, Va. (256.3m-1170kc), 11 p. m., Old South Negro quartet; 11:30, Harold Lawrence, blind pianist; 12-1 a. m., Hotel Richmond Winter Garden orchestra.

WSAI, Cincinnati, Ohio (325.9m-920kc), 7 p. m., WEAF; 7:30, musical program; 8, WEAF; 9, Maids of Melody.

WSWS, Chicago, Ill. (275.8m-1090kc), 6 p. m., Zola Haynes, pianist; Terrace Gardens; Grace Raymond; 8, Jean St. Ann, baritone; Oxford Girls; Tennessee Ginger Snaps; Terrace Gardens; 10, Cook Sisters; Terrace Gardens; John Clark; Art Billquist; Ruby Rossina.

WTAM, Cleveland, Ohio (389.4m-770kc), 6 p. m., State theater vaudeville; 7, WEAF; 7:30, WEAF; 10, studio program; 11, Singing Syncopators.

WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7, WEAF.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., dinner concert; 8:05-10:30, program, University of Nebraska.

KFDM, Beaumont, Texas (315.6m-950kc), 8-10 p. m., orchestra.

KFH, Wichita, Kans. (267.7m-1120kc), 7-8 p. m., classical program.

KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., concert, Dawson, Nebraska.

KLDS, Independence, Mo. (440.9m-680kc), 8 p. m., studio program.

KMA, Shenandoah, Iowa (252m-1190kc), 9-11 p. m., May's Mandolin musicians.

KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., Mrs. Jacque Landree, organist; 8, Cotton Pickers; 9, Marguerite Schmidt, pianist; 9:30, Mrs. Jacque Landree, organist; 10, KMOX, Radio orchestra; 11, Rendezvous club.

KPRC, Houston, Texas (296.9m-1010kc), 7:30 p. m., Red Snodgrass and his Alabamians, dance orchestra; 8:30, Skyline studio concert; 9, Paramount Five, male quartet.

KSD, St. Louis, Mo. (545.1m-550kc), 6-9 p. m., WEAF.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10-10 p. m., musical comedy gems, New Arlington hotel orchestra.

KUOA, Fayetteville, Ark. (299.8m-1000kc), 8 p. m., musical program.

KVOO, Bristow, Okla. (374.8m-800kc), 6-9 p. m., Jimmie Wilson and his Catfish string band.

KYW, Chicago, Ill. (535.4m-560kc), 6-7 p. m., musical program; 7-8, musical program; 8:30-9:30, classical concert; 9:30-10:30, Congress carnival.

WBAP, Fort Worth, Texas (475.9m-630kc), 7:30-8:30 p. m., musicale, Mrs. D. W. Shivers; 9:30-11, musicale.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., Trianon ensemble; 11:45-1 a. m., Nighthawk frolic.

WFAA, Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m., Lake Cliff Pavilion dance orchestra; 8:30-9, W. T. Coston and sacred harp singers; 9-9:30, Sam Van Dyne and Jimmie McManus, entertainers; 11-12 midnight, Jimmie Joy and his orchestra.

WGBF, Evansville, Ind. (236.1m-1270kc), 7 p. m., popular; 8, musicale.

WHB, Kansas City, Mo. (365.6m-820kc), 7-7:45 p. m., organ concert, Linwood theater; 8-9, varied musical program; 9-10, ukulele songsters; Harry Taylor and Sam Martin.

WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Brinkley, Ark., program; 11, Britling's cafeteria orchestra.

WOAW, Omaha, Nebr. (526m-570kc), 6 p. m., Hugo G. Heyn, xylophonist; 6:50, Ed Myers and his Peony Park orchestra; 9, de luxe; 10:10, Radio review; 10:30, Frank Hodek and his Nightingale orchestra.

WOC, Davenport, Iowa (483.6m-620kc), 6-8 p. m., WEAF; 9-10, Crescent orchestra.

WRR, Dallas, Texas (245.8m-1220kc), 6-7 p. m., Adolphus hotel; 8-9, musicale, Montgomery, the photographer.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., Lyon and King de luxe concert; 10:45, entertainment.

WSM, Nashville, Tenn. (282.9m-1060kc), 10 p. m., frolic, Harry Bailey's Southern Serenaders.

Mountain Standard Time Stations

CNRR, Regina, Canada (476m-630kc), 8 p. m., studio program.

KFAU, Boise, Idaho (280.2m-1070kc), 8-10 p. m., musicale.

KFXF, Colorado Springs, Colo. (249.9m-1200kc), 8 p. m., Ruth Brackett, contralto; Mrs. Carl R. Osborn, soprano; Beryl Griswold, pianist.

Atlantic	Eastern	Central	Mountain	Pacific
10:05 p. m.	9:05	8:05	7:05	6:05

WOS (440.9m-680kc), Musical Grays.

10:15	9:15	8:15	7:15	6:15

WSM (282.8m-1060kc), Mary Cornelia Malone.

10:45	9:45	8:45	7:45	6:45

WTIC (475.9m-630kc), American Legion banquet.

11	10	9	8	7

KOA (322.4m-930kc), All Night World Girdling program.

1 a. m.	12 m.	11	10	9

WJR (516.9m-580kc), Jewett Jesters.

For stations silent tonight refer to first Wednesday's list.

Atlantic or Eastern Daylight Saving Time Stations

CFCA, Toronto, Canada (356.9m-840kc), 7 p. m., band program, Salvation army.

CNRM, Montreal, Canada (410.7m-730kc), 9 p. m., Empire Day program.

CNRO, Ottawa, Canada (434.5m-690kc), 8 p. m., Chateau Laurier concert orchestra; 9, program, trio; Richard Pentland, tenor; dance orchestra.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30 p. m., recital, N. Snellenburg and company; 8, health talk; 8:15, Joe Murphy, piano fiend; 8:30, Miller Piano period; 9, Gol-Mar Greeters; 9:45, Senator Hassenpfeffer, "Topics of the Day"; recital; 10, concert; 11, Artie Bittong's Cheer-Up club.

WEAF, New York, N. Y. (491.5m-610kc), 4-12 midnight, Harry W. Niles, bass; Myrtle Holmes Purdy, contralto; Emma Janet Ray, pianist; Shinola Merrymakers, WTAG, WCAE, WWJ, WJAR, WEEI, WOO,

CLASSICAL CONCERTS INDEX

Saturday

Atlantic	Eastern	Central	Mountain	Pacific
7 p. m.	6	5	4	3

WCX, WEAF, WMCA, WREO.

8	7	6	5	4

KGO, KYW, WEAR, WENR, WMAQ, WNYC, WOAW, WOK, WRC.

9	8	7	6	5

KDKA, KFNF, KOIL, KSD, KYW, WBBR, WGN, WMBB, WNYC, WOAW, WQJ.

10	9	8	7	6

KFOA, KPRC, KHJ, KYW, WHAS, WIP, WLW, WORD, WSAI, WSOE.

11	10	9	8	7

KNX, KYW, WEAF, WMAQ, WMC, WOAW, WOC, WORD.

12 m.	11	10	9	8

KGO.

1 a. m.	12 m.	11	10	9

WOAW.

Sunday

Atlantic	Eastern	Central	Mountain	Pacific
7:20 p. m.	6:20	5:20	4:20	3:20

WCAE, WCAU, WEAF, WEEI, WJAR, WJAZ, WTAG, WWJ.

9	8	7	6	5

WAMD, WBZ, WEAR, WCAU, WHAR, WJAZ, WHT, WNYC, WQJ.

10	9	8	7	6

KFDM, KPRC, KSD, WBZ, WCBD, WCCO, WEAR, WGY.

9:15	8:15	7:15	6:15	5:15

WEAF chain.

11	10	9	8	7

KHJ, KNX, KTHS, KYW, WCCO, WFAA, WOC, WSOE.

12 m.	11	10	9	8

KFVE, KHJ, KNX, KPO, KTHS, WKRC, WOC.

1 a. m.	12 m.	11	10	9

KHJ, KNX, WOC.

2	1	12 m	11	10

KNX.

Monday

Atlantic	Eastern	Central	Mountain	Pacific
7 p. m.	6	5	4	3

KGO, WCX, WEAF, WOK, WREO, WWJ.

8	7	6	5	4

KMA, WBBR, WCCO, WEAF, WEAR, WHAR, WHAD, WHT, WJR, WMBB, WOAW, WTAG.

9	8	7	6	5

KFNF, KSD, WBZ, WCX, WLW, WTIC.

10	9	8	7	6

KFOA, KGO, KHJ, KPRC, WCCO, WBZ, WHAD, WHO, WLW, WORD, WOS.

11	10	9	8	7

KMA, KPO, KPRC, KSD, KTHS, WAMD, WCCO, WHAD, WOAW, WSUI.

12 m.	11	10	9	8

KGW, KHJ, KMA, KSD, KTHS, KWSC, WSAI.

1 a. m.	12 m.	11	10	9

KGW, WBAP, WSAI.

2	1	12 m	11	10

KHJ.

Tuesday

Atlantic	Eastern	Central	Mountain	Pacific
7 p. m.	6	5	4	3

WBZ, WCX, WREO, WWJ.

8	7	6	5	4

KGO, KMA, WEAR, WHAD, WJR, WMAQ, WOAW, WOK, WTIC, WWJ.

9	8	7	6	5

KFNF, KSD, KYW, WBZ, WCAE, WCX, WEAR, WHT, WLS, WMBB, WQJ, WRC, WTIC.

10	9	8	7	6

KFDM, KFOA, KGO, KHJ, KLDS, KYW, WCAE, WCBD, WCCO, WEAF, WEEI, WGR, WHAS, WJAR, WLW, WMAQ, WOC, WORD, WTAG.

Atlantic	Eastern	Central	Mountain	Pacific
11 p. m.	10	9	8	7

KFAB, KFDM, KFUO, KMA, KNX, KPRC, KTHS, WCAE, WCCO, WEAF, WEAR, WEEI, WLW, WMCA, WOC, WSAI, WSOE, WTAG.

12 m.	11	10	9	8

KGO, KHJ, KMA, KYW, WSAI.

1 a. m.	12 m.	11	10	9

KPO, KYW, WHO, WMC.

Wednesday

Atlantic	Eastern	Central	Mountain	Pacific
7 p. m.	6	5	4	3

WCX, WREO, WWJ.

8	7	6	5	4

KGO, WEAR, WHAD, WJR, WMAQ, WOK, WTIC.

9	8	7	6	5

KFNF, KPRC, KSD, KYW, WAMD, WBZ, WCX, WEAF, WEEI, WHT, WLW, WMBB, WMCA, WQJ, WTAG, WWJ.

10	9	8	7	6

KFOA, KGO, KPRC, KSD, KYW, WBZ, WCCO, WDAF, WEEI, WGR, WHAD, WHAS, WJAR, WMAQ, WOR, WOS, WORD.

11	10	9	8	7

KFMX, KMA, KNX, KTHS, WAMD, WCCO, WEAF, WEEI, WGR, WHAD, WJAR, WLS, WMAQ, WNYC, WOC, WSOE.

12 m.	11	10	9	8

KGO, KGW, KMA, KPO, KTHS, WCAE, WLS, WLW, WOC, WSAI.

1 a. m.	12 m.	11	10	9

KGW, KPO, WHAD, WLW.

2	1	12 m	11	10

WLW.

Thursday

Atlantic	Eastern	Central	Mountain	Pacific
7 p. m.	6	5	4	3

WBZ, WCX, WIP, WREO, WWJ.

8	7	6	5	4

KGO, KSD, WEAF, WEAR, WGBS, WHAD, WJR, WMAQ, WOAW, WOK, WWJ.

9	8	7	6	5

KYW, WBBR, WBZ, WCAU, WCCO, WCX, WEAR, WEEI, WGR, WGY, WHAR, WHT, WLS, WLW, WMBB, WOAW, WQJ, WTAG, WTIC.

10	9	8	7	6

KHJ, KLDS, WBAP, WCAE, WCAU, WCBD, WCCO, WEAF, WEEI, WGR, WHAR, WHAS, WJAR, WJAZ, WNYC, WOC, WORD, WRC, WSAI, WSB, WTAG.

11	10	9	8	7

KNX, KPRC, KTHS, KYW, WAMD, WGR, WGY, WHAD, WJAZ, WMC, WOAW, WOC, WSAI.

12 m.	11	10	9	8

KGO, KPO, KTHS, WBAP, WJAZ, WKRC.

1 a. m.	12 m.	11	10	9

KGW, KPO, WHO, WKRC.

Friday

Atlantic	Eastern	Central	Mountain	Pacific
7 p. m.	6	5	4	3

KGO, WCX, WMCA, WREO, WWJ.

8	7	6	5	4

KGO, WEBJ, WGY, WHAD, WJR, WMAQ, WOAW, WOK, WOR, WTIC.

9	8	7	6	5

KYW, WAHG, WAMD, WBZ, WCAU, WCX, WEBJ, WEEI, WHT, WLS, WQJ, WWJ.

10	9	8	7	6

KFDM, KFNF, KFOA, KGO, KHJ, KSD, KYW, WBAP, WBZ, WCAU, WDAF, WEEI, WHAD, WJAR, WMAQ, WMCA, WSAI.

11	10	9	8	7

KFAB, KFDM, KOA, WCCO, WHAD, WMAQ.

12 m.	11	10	9	8

KFMX, KHJ, KNX, KPO.

1 a. m.	12 m.	11	10	9

KPO.

Pacific Standard Time Stations

CNRV, Vancouver, Canada (291.1m-1080kc), 9 p. m., McIntyre string quartet; 10:30, Cabaret Belmont orchestra; Bebe Mullar, soprano.

KFI, Los Angeles, Calif. (467m-642kc), 7-7:30 p. m., Virginia ballroom orchestra; 7:30-8, Mildred Stamler, soprano; 8-9, screen artists' string quartet; 9-10, Gretchen Garrett, soprano; 10-11, Packard Radio club.

KFWB, Hollywood, Calif. (252m-1190kc), 6:30-7:30 p. m., Pontiac Six dinner hour; 8-9, program, Richard Hellman, Inc.; 9-10, Sol Hoopii's Hawaiians, Frances St. George, the jazzmania girl; 10-11, Warner Brothers' frolic.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 10-12 midnight, Herman Kenin's dance orchestra.

KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., children's hour with Uncle John; Queen Titania, Sandman and Radio Fairies; 8-10, Tower studio presentations.

KNX, Hollywood, Calif. (336.9m-890kc), 7-7:45 p. m., Beverly Hills program, Geo. E. Read, Inc.; 7:45, health talk; 8-9, program, Builders' Finance association; 9-10, program, Western Auto Supply company; 10-12 midnight, Ambassador hotel dance orchestra.

KPSN, Pasadena, Calif. (315.6m-950kc), 8-9 p. m., Adolf Tandler instrumental group.

KTAB, Oakland, Calif. (239.9m-1250kc), 8-9 p. m., program, Mills college.

Wednesday, May 26

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
8:50 p. m.	7:50	6:50	5:50	4:50

WHT (399.8m-750kc), Triangle entertainers.

9	8	7	6	5

CNRM (410.7m-730kc), Empire Day program.

WOR, Newark, N. J. (405.2m-740kc), 6:45-7 p. m., Jacques Jacobs' Hotel Shelton ensemble.

Eastern Standard or Central Daylight Saving Time Stations

WBBM, Chicago, Ill. (225.4m-1330kc), 8-10 p. m., popular period; 1-2 a. m., Alemite orchestra.

WCAP, Washington, D. C. (468.5m-640kc), 6:30-7 p. m., studio program; 7-10, WEAF.

WEBH, Chicago, Ill. (370.2m-810kc), 7-8 p. m., Osborn's orchestra; Florence Behrend; Frank Greif, Frank Bordner; 9:15-10, Osborn's orchestra; Frank Bordner; Lawrence Salerno; 11-12:30, Oriole orchestra; Kay Ronayne, Florence Behrens.

WENR, Chicago, Ill. (265.3m-1130kc), 6-7 p. m., Rauland lyric trio; 8-10, All-American Pioneers; 12-2 a. m., frolic.

WGHB, Clearwater, Fla. (265.3m-1130kc), 8:30-10 p. m., diversified program; Rex Dantzler, tenor; Mr. and Mrs. Charlie Waller, old-time duettists; Max Hartlett, pianist.

WGN, Chicago, Ill. (302.8m-990kc), 6:45-7:15 p. m., Blackstone string quintet; 8-9, musical program; 9-10, May concert; 10-10:10, Sam 'n' Henry; 10:10-10:20, studio music; 10:20-11, musical program.

WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., Onondaga hotel orchestra; 7:30, program, Eastman theater orchestra; 8:05-10, musicale, Rochester.

WHT, Chicago, Ill. (399.8m-750kc), 7 p. m., Bernice Taylor, soprano; Edwin Kemp, tenor; 7:50, Borden organ recital; Triangle entertainers; specialties; 12 midnight, your hour league.

WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., dinner concert, string trio; Dorothy Ray, soprano; Charles Champlin, baritone; Frank Grif, tenor; Carl Bigelow; 10-12 midnight, popular program; vocal, instrumental.

WJAZ, Chicago, Ill. (329.5m-910kc), 9-1 a. m., Earl Hoffman's Chez Pierre orchestra; Oxford Girls, popular duets; Hazel Heimbeck, contralto.

WJR, Pontiac, Mich. (526.9m-580kc), 7 p. m., Jean Goldkette's Petite symphony orchestra; 7:45, Goodwill Oakland; 9, Jean Goldkette's orchestra; 11, Murphy Brothers organ; 12 midnight, Merry Old Chief, Jewett Radio Jesters.

WKAR, Lansing, Mich. (258.5m-1050kc), 8-9 p. m., musicale.

WKRC, Cincinnati, Ohio (325.9m-920kc), 6 p. m., Alvin Roehr and his Hotel Alms orchestra; 9, Everfresh hour; 12 midnight, popular songs; 12:20 a. m., Wesley Helvey and his LaVista Clubhouse orchestra.

WLS, Chicago, Ill. (344.6m-870kc), 6:30 p. m., Elsie Look, organist; 6:45, College Inn orchestra; 7:15, College Inn orchestra; 7:30, Ralph Emerson, organist; 9, WLS trio; 11-12 midnight, Benson hour.

WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., dinner hour concert, Hotel Gibson orchestra; 7:40, continuation of Hotel Gibson orchestra concert; 8-8:15, concert, Cincinnati Conservatory of Music orchestra; 9:30, Zither solos, Louis Wegert; 10, Thorobred entertainers; 11, The Cincinnati Post program.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Hotel LaSalle orchestra; 8:25, Whitney trio; 8:55, WMAQ players, chimes.

WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon duo, Monte Blunn, tenor; Eleanor Kaplan, violinist; Arvid Anderson, baritone; Preston Graves, pianist; request program; 9-11, Trianon orchestra; vocal artists.

WOK, Chicago, Ill. (217.3m-1380kc), 4:30-7 p. m., Capitol theater organ; studio program; Tip-Top Inn string ensemble; 10-1:30 a. m., Tearney's Town club orchestra; Pershing Palace orchestra; Midway Garden orchestra; Capitol theater program.

WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9-10 p. m., "16-Fingered Paul"; Moke Marrin; Helen Neuman, Jim Forshey, Ruth Glaser, Pearl Knudson, Sid Goldman; 10-11, Atwater Kent request program.

WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., Speed-Wagon serenaders; Gold Standard ensemble.

WRVA, Richmond, Va. (256.3m-1170kc), 8:45 p. m., R. C. Hyde, organist; 9:45, Johnston's orchestra; artists.

WSAI, Cincinnati, Ohio (325.9m-920kc), 6:45 p. m., chime concert, Robert Badgley; 7, WEAF; 7:30, WEAF; 10, string quartet, program of British music.

WSWS, Chicago, Ill. (275.8m-1090kc), 6 p. m., Dean Terrill, baritone; Rita McFawn; Patsy Sullivan; 8, narrative recital, John Clark, Zola Haynes; 10, Smith and Ford; Gus Edwards, orchestra.

WTAM, Cleveland, Ohio (389.4m-770kc), 6 p. m., Hotel Cleveland; 8, program.

WTIC, Hartford, Conn. (475.9m-630kc), 7 p. m., Dan Nolan's ukulele lesson; 7:15, Alice Salavaicik, soprano; Anna Kaskes, contralto; 7:45, Elsie Palmer, violinist; 8:15, Helen Hakaitis, soprano; 8:30, Nina Woodbury, cellist; 8:45, Capitol theater orchestra; 9:15-10:45, American Legion banquet.

WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7, WEAF; 7:30, orchestra; 8, WEAF; 9, WEAF.

Central Standard Time Stations

CNRW, Winnipeg, Canada (384.4m-780kc), 9 p. m., Elwood Dines and his Bluejackets orchestra.

KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., dinner concert; 8:30-10:30, Gloomy Gus, Mike Kopac, Belshaw's Master Six orchestra; Lucille Bailey Kimball.

KFH, Wichita, Kans. (267.7m-1120kc), 7-8 p. m., concert orchestra.

KFKX, Hastings, Nebr. (288.3m-1040k), 9-11 p. m., musicale, Lincoln, Nebraska.

KFMX, Northfield, Minn. (336.9m-890kc), 9-10 p. m., musicale.

KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., concert, Henry Field Seed company.

KMA, Shenandoah, Iowa (252m-1190kc), 9-11 p. m., songs and clogging, Bob and Babe Riddle.

KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., Mrs. Jacque Landree, organist; 7-8:30, Skouras Brothers Missouri theater; 8:30-9:30, KMOX Radio orchestra; 9:30-11:30, Marguerite Schmidt, pianist; Alex Halbaum, clarinetist; John Sauter, flutist; KMOX orchestra; 11:30, Rendezvous club.

KPRC, Houston, Texas (296.9m-1010kc), 7:45 p. m., Jack Willrich's orchestra; Virginia Willrich, piano-accordionist; 8:30, Jane Cammack, soprano; 8:45, Frank Tilton, boy pianist.

KSD, St. Louis, Mo. (545.1m-550kc), 6 p. m., WEAF; 6:30, Hotel Statler orchestra; 7-9, WEAF.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10-10 p. m., solo hour, staff; 10-10:45, Ray Mullins orchestra.

KVOO, Bristow, Okla. (374.8m-800kc), 6-9 p. m., Radio trio; Mascho, Cunningham, Mascho.

KYW, Chicago, Ill. (535.4m-560kc), 5:30 p. m., dinner concert; 6, musical program; 8-9:30, classical concert; 9:30-10:30, Congress carnival.

WCOA, Pensacola, Fla. (222m-1350kc), 7 p. m., First Presbyterian church choir; Elizabeth Moreno, pianist; Emilio O'Brien Motta, violinist; C. M. Kelly, soprano; Billie Burke, ukulele ace; Music study club; San Carlos trio.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., Trianon ensemble; 8-9, WEAF; 9-10, McDowell chorus; 11:45-1 a. m., frolic.

WHA, Madison, Wis. (535.4m-560kc), 8 p. m., School of music.

WHB, Kansas City, Mo. (365.6m-820kc), 7-8 p. m., three ukulele girls; 10:30-11:30, midweek musicale.

WHO, Des Moines, Iowa (526m-570kc), 6-7 p. m., Bankers' Life Little symphonic orchestra; 7:15-8:15, Irene Dorans Little symphony orchestra; 8:15-9, Kate Miller, whistler; Maude Hughes, accompanist; Harry Lewis and Norman Broholm, popular songs; Dr. and Mrs. Hurd, Hawaiian guitarists; 9-12 midnight, dance programs.

WOC, Davenport, Iowa (483.6m-620kc), 6-6:30 p. m., WEAF; 9-10, Erwin Swindell, organist.

WOS, Jefferson City, Mo. (440.9m-680kc), 8:05 p. m., musical program, "Musical Grays"; poems; 10, Daniel Boone Jones, old fiddling champion, novelty program.

WSB, Atlanta, Ga. (428.3m-700kc), 10:45 p. m., Flint Six orchestra.

WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., Beasley Smith's orchestra; 8:15, Mary Cornelia Malone, soprano; Daisy Hoffman, pianist; 10, vocal recital.

WSUI, Iowa City, Iowa (483.6m-620kc), 7:30 p. m., musicale.

Mountain Standard Time Stations

KOA, Denver, Colo. (322.4m-930kc), 8 p. m., All Night program, artists, addresses.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-7:30 p. m., Grebe Synchrophase string ensemble; 7:30-8, Nick Harris detective story; 8-9, program, California Petroleum Corp.; 9-10, hour of southern melodies; 10-11, Charles Beauchamp, tenor.

Wednesday, May 26

KFWB, Hollywood, Calif. (252m-1190kc), 6:30-7:30 p. m., Pontiac Six dinner hour; 8-9, program, Sphinx Motor Oil company; 9-10, program, Pacific Development company; 10-10:30, Mutual Motors mirth contest; 10:30-11, Warner Brothers' frolic.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-9, vocal, instrumental music; 9-10, music; 10-11, Sherman, Clay and company.

KHJ, Los Angeles, Calif. (405.2m-740kc), 8-10 p. m., Times de luxe program.

KNX, Hollywood, Calif. (336.9m-890kc), 7-8 p. m., program, Hoyt Water Heater company; 8-9, Stewart-Warner dealers' program; 9-10, Motor Transit Stages orchestra; 10-11, studio program; 11-12 midnight, Ambassador hotel dance orchestra.

KWSC, Pullman, Wash. (348.6m-860kc), 7:15 p. m., Freda Peterson, vocalist; Frederica Kershaw, pianist; Carcy Spencer, vocalist; Mabelle Carstens, reader.

Thursday, May 27

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
8 p. m.	7	6	5	4
KVOO (374.8m-800kc), Surprise program.				
9	8	7	6	5
KFH (267.7m-1120kc), American Legion quartet.				
WCBD (344.6m-870kc), Celestial bells.				
10	9	8	7	6
WHB (365.6m-820kc), Missouri American Legion meeting.				
10:30	9:30	8:30	7:30	6:30
WMC (499.7m-600kc), Goldsmith's Anniversary program.				
11:30	10:30	9:30	8:30	7:30
CKAC (410.7m-730kc), Special organ music, Norton Payne.				
12 m.	11	10	9	8
KFXF (249.9m-1200kc), Irish Melody boys.				
WLW (422.3m-710kc), Night Howls.				
1 a.m.	12 m.	11	10	9
KNX (336.9m-890kc), Wisecracker club.				

For stations silent tonight refer to first Thursday's list.

Atlantic or Eastern Daylight Saving Time Stations

CKAC, Montreal, Canada (410.7m-730kc), 11:30 p. m., Norton H. Payne, organist.

CKNC, Toronto, Canada (356.9m-840kc), 8 p. m., Charles E. Bodley and his dance orchestra; Elgar male quartet.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:30 p. m., Cathey Tea Garden dance orchestra; 7:30, Snellenburg Symphony orchestra; 8, John Bright orchestra; 8:30, Clifton's Anglers; 8:45, the Kandy Kids; 9, Barry O'Moore, Irish tenor; 9:30, Musical Chefs; 9:45, Professor Doolittle; 10 Sesquicentennial hour; 11, Parodians dance orchestra; 11:30, Club Madrid revue.

WEAF, New York, N. Y. (491.5m-610kc), 8:15 p. m., Hire's Harvesters, WEEI, WFI, WCAE, WLIB, WSAI, WWJ, WTAM, WGR; 9, Clicquot Club Eskimos, WEEI, WJAR, WTAG, WFI, WCAE, WSAI, WTAM, WGR, WWJ, WOC, KSD, WCCO, WGN; 10, Silvertown Cord orchestra, WEEI, WFI, WCAE, WWJ, WGR, WOC, WCCO, WTAG, KSD, WSAI, WJAR, WGN, WADC.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra; 8:15, WEAF; 10, WEAF.

WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., Vincent Lopez Hotel Statler dance orchestra; 8, WEAF.

WHAR, Atlantic City, N. J. (275.1m-1090kc), 8 p. m., Seaside hotel trio; 9, studio concert; 11, Follies Bergere dance orchestra.

WHN, New York, N. Y. (361.2m-830kc), 7 p. m., Vincent Lopez orchestra; 8, Will Oakland's Chateau; 9:30, orchestra; 10:30, Leroy Smiths' orchestra; 11, Joe Ward's Swanee entertainers; 11:30, Everglades orchestra; 12 midnight, Sophie Tucker's playground.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 8:30, Sesquicentennial program; 10:20, Nat Martin's orchestra.

WJAR, Providence, R. I. (305.9m-980kc), 8 p. m., orchestra; 9-11, WEAF.

WJZ, New York, N. Y. (454.3m-660kc), 7 p. m., Hotel Vanderbilt orchestra; 7:30, Judge, Jr.; 8, Voice of the silent drama; 8:30, U. S. Navy band; 9:30, Royal Typewriter salon orchestra, WGY, WRC, WCAD; 10:30, the Record Boys; 11, Freddie Rich and his Hotel Astor Orangerie orchestra.

WLWL, New York, N. Y. (288.3m-1040kc), 8:30 p. m., McEnery's entertainers; 10:30, organ recital.

WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Olcott Vail and his string ensemble; 7, Hofbrau Haus entertainers; 7:30, Klein's Serenaders; 8, Pace institute program; 9, Serenaders; 9:30, Columbia Park entertainers; 10:30, California Ramblers; 11, Ernie Golden and his Hotel McAlpin orchestra; 12 midnight, Broadway night.

WNYC, New York, N. Y. (526m-570kc), 7 p. m., selections.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Adelphia dance orchestra; 8, LuLu Temple Shrine concert.

WOR, Newark, N. J. (405.2m-740kc), 6:45-7 p. m., Hotel Bretton Hall quartet.

Eastern Standard or Central Daylight Saving Time Stations

WBAL, Baltimore, Md. (245.8m-1220kc), 8-10 p. m., concert program; 10-11, WBAL ensemble.

WBBM, Chicago, Ill. (225.4m-1330kc), 8-10 p. m., popular music; 10-10:30, Moss Covered melody period; 10:30-11, Alemite orchestra, artists; 11-12 midnight, dance period.

WCBD, Zion, Ill. (344.6m-870kc), 8 p. m., mixed quartet, Celestial bells; Trombone quartet; Mrs. H. E. Mayfield, soprano; R. F. Reid, baritone; Daniel Mason, trombonist; John Studebaker, clarinetist; Mrs. Blanche Kester, reader.

WEBH, Chicago, Ill. (370.2m-810kc), 7 p. m., special recital; 9:15, Oriole orchestra; Ruth Buhl Flick, reader; Dorothy Herman Blum; 11-12:30, Oriole orchestra; Pat Ward; Rita McFawn, Mary Bieber.

WENR, Chicago, Ill. (265.3m-1130kc), 6-7 p. m., Rauland lyric trio; 8-10, All-American Pioneers.

WGN, Chicago, Ill. (302.8m-990kc), 6:45-7 p. m., Drake concert ensemble; 8-9, WEAF; 9-10, WEAF; 10-10:10, Sam 'n' Henry; 10:10-10:20, musical program; 10:20-10:40, play shop; 10:40-11, ensemble.

WGY, Schenectady, N. Y. (379.5m-790kc), 6:45-8 p. m., Syracuse university; 8-8:30, Marine band; 8:30-9:30, Royal hour; 9:30-10:30, WGY orchestra; Beatrice Zollinger, soprano; Lorena Kehoe, contralto; 10:30, Stephen E. Boisclair, organist.

WHT, Chicago, Ill. (399.8m-750kc), 7 p. m., Al Carney, organist; 7:30, Grayling's ensemble; May Martin, contralto; 8:45-10:15 (238m-1260kc), Cinderella cafe orchestra; 10:30 (399.8m-750kc), Kitchen Klenzer Klassics; 11:10, U. S. L. entertainers.

WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., dinner concert, string trio; tenor; baritone; Chester Neuman; 12 midnight, jamboree; Ted Fiorito, pianist; Dan Russo, violinist; Marie Tully, songs, artists.

WJAZ, Chicago, Ill. (329.5m-910kc), 9-1 a. m., classical program, Spanish Garden studio.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Jean Goldkette's Petite symphony orchestra; 7:30, Ide and Meginnity; 9, Jean Goldkette's orchestra; 10, Jean Goldkette's Victor Recording orchestra.

WKRC, Cincinnati, Ohio (325.9m-920kc), 10 p. m., Ace Brigode and his Virginians; 11, Marie Turner, ballads; 11:15, Ace Brigode and his Fourteen Virginians.

WLS, Chicago, Ill. (344.6m-870kc), 6:30 p. m., Elsie Look, organist; 6:45, College Inn orchestra; 7:15, College Inn orchestra; 7:30, Ralph Emerson, organist; 8-8:55, popular music.

WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., dinner concert, Hotel Gibson; 7:40, Hotel Gibson concert; 8, program, Junior orchestra; recital of original compositions, pupils of Sidney C. Durst, of the Cincinnati College of music; 10:03, popular concert, Doherty Melody boys; 11, Henry Theis and his orchestra; 12:15 a. m., Night Howls, Crosley Sky Terriers.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Hotel LaSalle orchestra; 8:30, musical program; 9:20, musical program, chimes.

WMBB, Chicago, Ill. (249.m-1200kc), 7-8 p. m., Trianon ensemble; Hilda Hinrichs, cellist; Margaret Conrad, violinist; Preston Graves, pianist; Spanish music; 9-11, Trianon orchestra; ensemble; Wellington Forbes, Bob Bennett, Bob Duffy.

WOK, Chicago, Ill. (217.3m-1380kc), 4:30-7 p. m., Capitol theater organ; Tip-Top Inn string ensemble; 10-1:30 a. m., Tearney's Town club orchestra; Carl Lorraine's Pershing Palace orchestra; Midway Garden orchestra; Capitol theater program.

WRC, Washington, D. C. (468.5m-640kc), 7 p. m., WJZ; 7:30, U. S. Marine band concert; 9, WJZ; 9:30, WJZ; 10, announced; 10:30, Meyer Davis' Le Paradis band.

WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., Speed-Wagon serenaders; Gold Standard ensemble; 8:15, Reo Broadcasting orchestra.

WRVA, Richmond, Va. (256.3m-1170kc), 9 p. m., State Teachers College glee club; 10, Edgeworth Employes' concert.

WSAI, Cincinnati, Ohio (325.9m-920kc), 7-10 p. m., WEAF.

WSWS, Chicago, Ill. (275.8m-1090kc), 6 p. m., Catherine O'Brien, pianist; Zola Haynes, pianist; 8, Alvina Becker, Borden Brothers; Harmony Terrace Garden; 10, Terrace Garden; 12 midnight, frolic.

WTAM, Cleveland, Ohio (389.4m-770kc), 6 p. m., orchestra; 7:15-9, WEAF; 9, studio program; 11, Austin Wylie's orchestra.

WTIC, Hartford, Conn. (475.9m-630kc), 7:15-8:15 p. m., concert, 102nd Infantry band.

WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7, WEAF.

Central Standard Time Stations

KFH, Wichita, Kans. (267.7m-1120kc), 7-8 p. m., American Legion quartet.

KFKU, Lawrence, Kans. (275.1m-1090kc), 7:15 p. m., Marjorie Housel, soprano; Frances Robinson, violinist; Helen Saunders, pianist; 8, Marguerite Fisher, vocalist.

KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., concert, H. S. Reserve.

KFQA, St. Louis, Mo. (280.2m-1070kc), 8 p. m., special Principia program.

KLDS, Independence, Mo. (440.9m-680kc), 8 p. m., studio program.

KMA, Shenandoah, Iowa (252m-1190kc), 9-11 p. m., Farm Seed orchestra; Willy Cunningham, the farmer Scotchman.

KPRC, Houston, Texas (296.9m-1010kc), 7:30 p. m., Harry Kobusch and his orchestra; 8:30, Lawrence Humason, popular songster; 9, Phillip Ezell, classical pianist; 9:30, Cliff Drescher, saxophone artist.

KSAC, Manhattan, Kans. (340.7m-880kc), 6:30-7:30 p. m., recreational program.

KSD, St. Louis, Mo. (545.1m-550kc), 7-9 p. m., WEAF; 9, West End Lyric theater.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10-10 p. m., Edward Richter, organist; John G. Heyn, pianist; string quartet; 10-10:45, dance program, Whittington park.

KUOA, Fayetteville, Ark. (299.8m-1000kc), 8:30 p. m., musical program.

KVOO, Bristow, Okla. (374.8m-800kc), 6-9 p. m., surprise program.

KYW, Chicago, Ill. (535.4m-560kc), 6 p. m., musical program; 8-9:30, classical concert; 9:30-10:30, Congress carnival.

WBAP, Fort Worth, Texas (475.9m-630kc), 7:30-8:30 p. m., Davis Baking Powder saxophone octet; 9:30-11, Bob Sweeney, tenor; A. P. Holbrook, baritone; 11-12 midnight, musicale.

WCAL, Northfield, Minn. (336.9m-890kc), 7 p. m., program, Norwegian Lutheran church of America.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., Trianon ensemble; 11:45-1 a. m., frolic.

WFAA, Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m., Jimmy Joy's orchestra; 8:30-9:30, musical recital, Wednesday Morning Choral club.

WGST, Atlanta, Ga. (270.1m-1110kc), 7-8 p. m., Caroline Gray, violinist.

WHB, Kansas City, Mo. (365.6m-820kc), 7-7:45 p. m., dinner hour organ concert; 8-10, American Legion program; 10-10:30, dance program.

WHO, Des Moines, Iowa (526m-570kc), 7:30-8 p. m., Raleigh quintet; 8-9, Banker's Life trio; 11-12, Banker's Life Corn Sugar orchestra.

WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Goldsmith's anniversary program.

WOAW, Omaha, Nebr. (526m-570kc), 6 p. m., organ; 6:50, Randall's Royal Fontenelle orchestra; 9; classical; 10:30, Frank Hodek and his Nightingale orchestra.

WOC, Davenport, Iowa (483.6m-620kc), 6-9 p. m., WEAF; 9-9:30, Moline Plowboys.

WRR, Dallas, Texas (245.8m-1220kc), 6-7 p. m., Adolphus hotel; 8-9, Mrs. Kip Yates, contralto; 9:30-10:30, Dyo corporation.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., concert; 10:45, Charles Sheldon, Jr., organist.

Mountain Standard Time Stations

CNRC, Calgary, Canada (435.8m-688kc), 9 p. m., Rushton's serenaders.

KFAU, Boise, Idaho (280.2m-1070kc), 8-9:30 p. m., Mrs. Mabel Bailey Grubb, pianist.

KFXF, Colorado Springs, Colo. (249.9m-1200kc), 9 p. m., Pike's Peak Fuel company program.

Pacific Standard Time Stations

CNRV, Vancouver, Canada (291.1m-1080kc), 9 p. m., B. C. Musical festival.

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., program, students University of Southern California; 8-9, varied program; 9-10, Elsa Zelinda Foley, coloratura soprano; 10-11, Patrick-Marsh dance orchestra, Betty Patrick, soloist.

KFWB, Hollywood, Calif. (252m-1190kc), 6:30-7:30 Pontiac 6 dinner hour; 8-9, Bill Hatch's Oakmont Country club orchestra; 9-10, program, Dell's Ice Cream; 10-11, Warner Brothers frolic.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-10, vaudeville, Four Sailors; 10-12 midnight, Cole McElroy's dance orchestra.

KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., children's hour with Uncle John; 8-10, program, Zoellner Conservatory of music.

KNX, Hollywood, Calif. (336.9m-890kc), 7-8 p. m., KNX feature program; 8-9, Willys-Overland dealers program; 9-10, the Wisecracker club, the Duke and the Count; 10-11, studio program; 11-12, Ambassador hotel dance orchestra; 12-2 a. m., Don Meaney's midnight movie frolic.

KTAB, Oakland, Calif. (239.9m-1250kc), 8-10 p. m., program.

Friday, May 28

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
8:15 p. m.	7:15	6:15	5:15	4:15
WGY (379.5m-790kc), players.		"The Magistrate,"		WGY

Atlantic	Eastern	Central	Mountain	Pacific
9 p. m.	8	7	6	5
KYW (535.4m-560kc), Margery Maxwell.				
WBAL (245.9m-1220kc), Knights of Columbus choir.				
9:15	8:15	7:15	6:15	5:15
WRVA (256.3m-1170kc), Violin ensemble.				
10	9	8	7	6
CNRT (356.9m-840kc), Radio Raiders.				
KFDM (315.6m-950kc), Band concert.				
WHA (535.4m-560kc), High School speaking contest.				
WMBB (250m-1220kc), Banjo Barons.				
10:05	9:05	8:05	7:05	6:05
KFAB (340.7m-880kc), Alumni round-up.				
11:10	10:10	9:10	8:10	7:10
KTHS (374.8m-800kc), Old Southern Melodies.				
2:30 a. m.	1:30 a. m.	12:30 a. m.	11:30	10:30
KGW (491.5m-610kc), Hoot Owls.				

For stations silent tonight refer to first Friday's list.

Atlantic or Eastern Daylight Saving Time Stations

CNRA, Moncton, Canada (312.4m-960kc), 9 p. m., CNRA dance orchestra; 11, Little concert orchestra.

CNRT, Toronto, Canada (356.9m-840kc), 6:30 p. m., King Edward hotel concert orchestra; 10, Radio Raiders.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:45 p. m., Harold Seaman's Hotel Pennsylvania orchestra; 7:15, Peter Rabbit and the Kiddies; 7:30, Snellenburg instrumental trio; 8:15, Enrico Aresoni, operatic tenor; 8:30, The Singing Groundhog; 8:45, concert; 9, The Reginas; 9:15, Dwight Strickland, "poetician"; 9:30, Sullivan Brothers; 10, songs; 10:30, Jack Myers' Musical Architects.

WEAF, New York, N. Y. (491.5m-610kc), 4-12 midnight, Mabel Murphy, soprano; Parnassus trio; William P. Oliver, reader; Happiness Candy Boys; William Lawlor, baritone; Buffalodians; Ben Bernie and his orchestra.

WEBJ, New York, N. Y. (272.6m-1100kc), 7-7:30 p. m., Blenheim theater ensemble; 7:30-8, Luna Park, Coney Island program; 8, Irene Frieman, concert pianist; 8:15, William Bisignaro, accordionist; 8:30-9, Luna Park, Coney Island program.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra.

WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., concert program, Mrs. Martha Hudson and associates; 7:30, WEAF; 8, Audubon Terrace Meadow Larks; 8:30, Howard Boice and associates, string ensemble; 9, Winger's Crescent park entertainers; 9:30, Mercede quartet; 10, Alberdena Wall, Eastman School of Music; 11, Vincent Lopez Hotel Statler dance orchestra.

WHAR, Atlantic City, N. J. (275.1m-1090kc), 8 p. m., Seaside hotel trio.

WHN, New York, N. Y. (361.2m-830kc), 7 p. m., Harry Richman and his entertainers; 7:30, Treasureland Neighbors; 8, Uncle Robert's chat; 8:30, George's Surprise; 9, Washington Height entertainers; 9:30, orchestra; 10, Roseland dance orchestra; 11, Anatol Friedland; 11:30, Club Alabam orchestra; 12 midnight, Silver Slipper orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin hotel concert orchestra.

WJAR, Providence, R. I. (305.9m-980kc), 8 p. m., musical program; 8:30, Gorman's Jolly Bakers; 9, musical program; 10, WEAF; 11, orchestra.

WJZ, New York, N. Y. (454.3m-660kc), 7 p. m., George Olsen and his Hotel Pennsylvania orchestra; 8, Sundial Shoe Serenaders; 8:30, Bonnie Laddies; 9, Snider's Catsup hour; 10:30, Hotel Lorraine Grill orchestra.

WLIT, Philadelphia, Pa., (394.5m-760kc), 7:30 p. m., Dream Daddy's bedtime stories; 8, talk; 8:30, recital; 9, Schickerling hour; 10, Morning Glory club concert; 10:30, Rufus and Rastus; 11, Freshman Masterpiece hour.

WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Olcott Vail and his Hotel McAlpin string ensemble; 6:30, Ernie Golden and his orchestra; 7:03, Sach's

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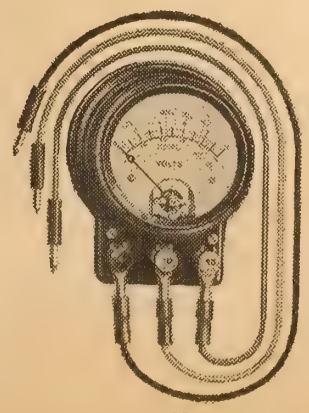

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quality boys; 8, Woodmanster Inn orchestra; 9, Hardman hour of music.

WNYC, New York, N. Y. (526m-570kc), 6:20 p. m., piano selections.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Ritz Carlton dinner dance orchestra; 8, recital; 8:15, WOO orchestra; 9:25, recital from Fox theater studio; 10, Whittall Anglo Persians; 10:30, Sylvania dance orchestra.

WOR, Newark, N. J. (405.2m-740kc), 6:45-7 p. m., Hotel Bretton Hall quartet.

Eastern Standard or Central Daylight Saving Time Stations

WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., dinner concert; 8-9, Knights of Columbus choir; 9-10, WBAL trio; 10-10:30, WBAL mixed quartet; 10:30-11, Frederick D. Weaver, organist.

WBBM, Chicago, Ill. (225.4m-1330kc), 8-10 p. m., Goldie Gordon, violinist; Badger quartet.

WCAP, Washington, D. C. (468.5m-640kc), 8 p. m., studio program; 9, WEAF; 9:30, studio program; 10, music, ballroom, Wardman Park hotel.

WEBH, Chicago, Ill. (370.2m-810kc), 7 p. m., Osborn's orchestra; Bernard Weber, Pauline Sachs; 9:15, Osborn's orchestra; Bernard Weber; 11-12:30, Oriole orchestra; Irene Beasley; Day and Knight.

WENR, Chicago, Ill. (265.3m-1130kc), 6-7 p. m., Rauland lyric trio; 8-9, Moody Bible institute; 9-10, Arthur Dunas; 12-2 a. m., midnite frolic.

WGHB, Clearwater, Fla. (265.3m-1130kc), 8:30-10 p. m., organ recital. Peace Memorial church. Mrs. H. Moore, organist; Mrs. Frank Delemater, contralto; artists.

WGN, Chicago, Ill. (302.8m-990kc), 6:45-6:55 p. m., musical program; 6:55-7:15, Drake concert ensemble, Blackstone string quintet, request program; 8:30-9, musical program; 9-9:30, WEAF; 9:30-10, Phantom violin; 10-10:10, Sam 'n' Henry; 10:10-10:20, musical program; 10:20-10:40, the play shop; 10:40-11, musical program, ensemble.

WGY, Schenectady, N. Y. (379.5m-790kc), 7:15 p. m., "The Magistrate," WGY players; 10:30, WGY orchestra.

WHT, Chicago, Ill. (399.8m-750kc), 7 p. m., Al Carney; Grayling's Hussey, bass; 10:30 (399.8m-750kc), Sunbeam Girls; 11:05, Loftis half-hour presentation; 12 midnight, your hour league.

WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., dinner program, string trio; Charlotte Edwards, contralto; Lew Viet, baritone; Bernice Taylor, soprano; 10-2 a. m., popular program; Ted Fiorito, pianist; Dan Russo, violinist; songs, monologues; Melody strummers; Tony Corcoran; Hickey and Johnson.

WJAZ, Chicago, Ill. (329.5m-910kc), 9-1 a. m., Club Chez Pierre; Earl Hoffman's Chez Pierre orchestra; "The Quips that Pass in the Night"; Betty Cain, violinist; Helen Kollus Hilburn, Frank Hilburn, duets; John Bennet, ham-baritone; Chez Pierre quartet.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Petite symphony orchestra; 7:30, Arctic Specials; 9, Mulkey Celebrities; 9:30, Casper Lingeman symphony.

WLS, Chicago, Ill. (344.6m-870kc), 6:30 p. m., Elsie Look, organist; 6:45, College Inn orchestra; 7:30, Ralph Emerson, organist; 9, Young American artists' concert; 10, popular music; 11-12 midnight, Ralph Emerson, organist.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:20, Family Altar league; 6:30, Wide-Awake club program; 8, musical program; 8:30, Whitney trio; 9:20, musical program, chimes.

WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon duo, special artists, old home songs; 9-11, Trianon orchestra; trio; Krueger and Dillon, banjo barons; Joe Warner, popular program.

WOK, Chicago, Ill. (217.3m-1380kc), 4:30-7 p. m., Capitol theater organ; studio program; Tip-Top Inn string ensemble concert; 10-1:30 a. m., Tearney's Town club orchestra; Midway Garden orchestra; Capitol theater program.

WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9-9:15 p. m., "Mendelssohn." Blanche Fox Steenman; 9:15-11, Mrs. W. V. Morrow, Edith Sanders, H. P. Vaughn, Mrs. Carl Tyndall, Mrs. George Garrison, Melissa Drorak.

WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., dinner concert.

WRVA, Richmond, Va. (256.3m-1170kc), 7 p. m., Hotel Richmond orchestra; 8:15, violin ensemble; Senor Jose Andonegui, director; 10, Hotel Richmond Winter Garden orchestra.

WSWS, Chicago, Ill. (275.8m-1090kc), 6 p. m., dinner concert; 8, Terrace Gardens; 10, frolic.

WTAM, Cleveland, Ohio (389.4m-770kc)), 6 p. m., orchestra; 6:45, orchestra; 8, studio program; 9, WEAF; 9:30, studio program; 11, Singing Syncopators.

WTIC, Hartford, Conn. (475.9m-630kc), 7:15 p. m., Mrs. George Brown, contralto; Mrs. Louis Beach, pianist; 7:45, Fairfield community program; 9:15, WTIC Mail Bag; 9:30, Ben Rosenberg and artists; 10-11, Emil Heimberger's dance orchestra.

WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 8, Detroit News orchestra; 9, WEAF; 9:30, dance program.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 8:30-10:30 p. m., Cosmopolitan club.

KFDM, Beaumont, Texas (315.6m-950kc), 8-10 p. m., Refinery band.

KFH, Wichita, Kans. (267.7m-1120kc), 7-8 p. m., Gold Medal Krackers' dance orchestra.

KFKX, Hastings, Nebr. (288.3m-1040kc), 9-11 p. m., program, Carlyle Syla.

KFMX, Northfield, Minn. (336.9m-890kc), 10-11 p. m., organ recital.

KFNF, Shenandoah, Iowa (263m-1140kc), 7:30 p. m., mixed program, Lafe Corbin, director.

KMA, Shenandoah, Iowa (252m-1190kc), 9-11 p. m., musicale.

KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., Mrs. Jacque Landree, organist; 7, Buster's Saxophone quintet; Russell Ren, harmonica soloist; KMOX Radio orchestra; 8, Colonel 6121; 9:30, Al and Bob; 10, KMOX Radio orchestra; 11, Rendezvous club.

KSD, St. Louis, Mo. (545.1m-550kc), 7:30 p. m., Commerce hour; David Earle, pianist; 8, program announced.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10-9:45 p. m., Old Southern melodies, New Arlington hotel ensemble; 9:45-10, Lawson Reid, organist; 10-10:45, Ray Mullins' orchestra.

KVOO, Bristow, Okla. (374.8m-800kc), 6-9 p. m., Josephine Storey-White.

KYW, Chicago, Ill. (535.4m-560kc), 6 p. m., musical program; 8-9:30, classical concert; 9:30-10:30, Congress carnival.

WBAP, Fort Worth, Texas (475.9m-630kc), 7:30-8:30 p. m., Peckerwood orchestra; 9:30-11, Southwestern Baptist Theological seminary; 11-12 midnight, Panther Hawaiian trio.

WCOA, Pensacola, Fla. (222m-1350kc), 7 p. m., Howland trio; Lucy Davis Yone, violinist; Prof. A. C. Reilly, pianist; H. I. Seaburg, baritone; Francis Villar, soprano; Eddie Collins, saxophone; Harry Davis, tenor; Eddie Collins' Rainbow orchestra.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., Trianon ensemble; 8-8:30, WEAF; 8:30-9:30, varied musical program; 11:45-1 a. m., Nighthawk frolic.

WFAA, Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m., musical program, orchestra, band, vocal quartet; 8:30-9:30, Hedley Cooper symphonists.

WGBF, Evansville, Ind. (236.1m-1270kc), 7 p. m., A. L. Maxwell company; 8, Journal musicale; 11, D. X. Hunting club.

WHA, Madison, Wis. (535.4m-560kc), 8 p. m., high school speaking contest.

WHB, Kansas City, Mo. (365.6m-820kc), 7-8 p. m., Sweeney Radio orchestra.

WHO, Des Moines, Iowa (526m-570kc), 7:30-9 p. m., Herring Motor band; 11-12 midnight, Philbreck and His Younker Tea Room orchestra.

WMC, Memphis, Tenn. (499.7m-600kc), 8:03 p. m., Hotel Gayoso orchestra; 11, frolic.

WOAW, Omaha, Nebr. (526m-570kc), 6:50 p. m., Gilbert Jaffy, violinist; Harry Braviroff, pianist; 9, program, M. C. Peters Mill company; 10:30, Frank Hodek and his Nightingale orchestra.

WOC, Davenport, Iowa (483.6m-620kc), 8-8:30 p. m., WEAF; 9:30-10:30, Herb Heuer's orchestra.

WOS, Jefferson City, Mo. (440.9m-680kc), 8:20 p. m., musical program, Baptist church orchestra.

WRR, Dallas, Texas (245.8m-1220kc), 6-7 p. m., Adolphus hotel; 8-9, Magnolia Petroleum company band; 11-12 midnight, late musicale.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., program, Gertrude Johnson; 10:45, concert.

WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., Beasley Smith's orchestra; 8:15, Shriners' program; 10, program, Mr. Waugh and Mr. Holden.

Mountain Standard Time Stations

CNRE, Edmonton, Canada (516.9m-580kc), 8:30-10 p. m., University of Alberta concert party; 11:30, Tom Gardner and his orchestra.

KFXF, Colorado Springs, Colo. (249.9m-1200kc), 8 p. m., Dean Edward D. Hale, pianist; Freda McKamy, pianist; Mabel Pillar, pianist; Anita Griesmer, violinist; Ben Pitler, violinist; Leonard Poladsky, violinist.

KOA, Denver, Colo. (322.4m-930kc), 8:15 p. m., studio program, Colorado Woman's college.

Pacific Standard Time Stations

CNRV, Vancouver, Canada (291.1m-1080kc), 9 p. m., Verna McCartney, soprano; Sydney Nicholls, tenor; William Scotch, comedian; Jack Hamilton, bass; John Borthwick, accompanist; 10:30, Cabaret Belmont orchestra.

KFI, Los Angeles, Calif. (467m-642kc), 7-7:30 p. m., Carlyle Stevenson's El Patio orchestra; 7:30-8, popular program; 8-9, Aeolian organ, Robert Hurd, tenor; 9-10, Wm. MacDougal, Scotch comedian and Mutual Motors mirth contest; 10-11, Packard Ballad hour.

KFWB, Hollywood, Calif. (252m-1190kc), 6:30-7:30 p. m., Pontiac Six dinner hour; 8-9, program, John Wright, the Right Tailor; 9-10, program, Sealy Mattress company; 10-11, Warner Brothers' frolic.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner music; 8-9, musicale; 9-10:30, Sherman, Clay and company; 10-12 midnight, Hoot Owls.

KHJ, Los Angeles, Calif. (405.2m-740kc), 8-10 p. m., Tower studio varied program.

KNX, Hollywood, Calif. (336.9m-890kc), 7-8 p. m., Bad Egg club; 8-9, Jell-X-Cell program with Charlie Melson and his Playboys; 9-10, Order of Optimistic Donuts; 10-11, Hollywood American Legion fights blow-by-blow; 11-12 midnight, Ambassador hotel dance orchestra.

KOAC, Corvallis, Ore. (280.2m-1070kc), 8:15-9:15 p. m., music.

KTAB, Oakland, Calif. (239.9m-1250kc), 8-10 p. m., program, Breuner's.

KWSC, Pullman, Wash. (348.6m-860kc), 7:15 p. m., Glow Williamson, vocalist; Rosalia Koch, pianist; Dorothy May Anderson, whistler.

Saturday, May 29

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
8:15 p. m.	7:15	6:15	5:15	4:15

WLS (344.6m-870kc), National barn dance.

8:30	7:30	6:30	5:30	4:30

WTIC (475.9m-630kc), Winsted community program.

Atlantic	Eastern	Central	Mountain	Pacific
9 p. m.	8	7	6	5

CNRO (435.8m-688kc), Regimental band. Governor-General's Foot Guards.

WGBS (315.6m-950kc), Irish hour.

10	9	8	7	6

KPRC (296.9m-1010kc), Frank Tilton.

11:30	10:30	9:30	8:30	7:30

WBAP (475.9m-630kc), Sunflower Girl.

12 m.	11	10	9	8

WRC (468.5m-640kc), Otto F. Beck, organist.

For stations silent tonight refer to first Saturday's list.

Atlantic or Eastern Daylight Saving Time Stations

CFCA, Toronto, Canada (356.9m-840kc), 9 p. m., musical comedy selections, dance program.

CNRO, Ottawa, Can. (434.5m-780kc), 8 p. m., Chateau Laurier concert orchestra; 9, Regimental band of the Governor-General's Foot Guards; dance program.

WEAF, New York, N. Y. (491.5m-610kc), 4-12 midnight, Lou Raderman's Pelham Heath Inn orchestra; Vincent Lopez and his orchestra.

WGBS, New York, N. Y. (315.6m-950kc), 9 p. m., Irish hour.

WHAR, Atlantic City, N. J. (275.1m-1090kc), 8 p. m., Seaside hotel trio.

WIP, Philadelphia, Pa. (508.2m-590kc), 8:15 p. m., musicale; 9, orchestra; 10:05, Benjamin Franklin El Patio dance orchestra; 11:05, organ recital.

WJZ, New York, N. Y. (454.3m-660kc), 7 p. m., Hotel Commodore concert orchestra; 8, Congressional Forum, from WRC; 10:30, Hotel Vanderbilt Della Robbia room orchestra.

WLIT, Philadelphia, Pa. (394.5m-760kc), 7:30 p. m., Benjamin Franklin hotel concert orchestra.

WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Olcott Vail and his orchestra; 7, orchestra; 10, Norman Pearce, reader; 11, Ernie Golden and his orchestra.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Adelphia dinner dance orchestra.

WOR, Newark, N. J. (405.2m-740kc), 6:30 p. m., Jacobs' Hotel Shelton ensemble; 7:30, Van's Collegians; 8:45-9, Copenhagen quartet; 9:15-10:15, La-Forge-Berumen musicale; 11-12 midnight, Katinka orchestra.

Eastern Standard or Central Daylight Saving Time Stations

WBBM, Chicago, Ill. (225.4m-1330kc), 8-10 p. m., Alemite orchestra; Ziegler Stars; Tip trio; Smith and Ford; 10-11, Alemite orchestra; Vanity Fair orchestra; 11-2 a. m., Matched Unit quartet; Ziegler Stars, Fair and Warmer; Smith and Ford.

WEBH, Chicago, Ill. (370.2m-810kc), 8 p. m., songs, Frank Greif; 9:15-10, Edgewater Beach Hotel Oriole orchestra; 11-12 midnight, Oriole orchestra; Kay Ronayne; 1 a. m., Oriole orchestra; 1-3, frolic.

WENR, Chicago, Ill. (265.3m-1130kc), 6-7 p. m., Rauland lyric trio; 8-9, Arthur Dunas; 9-10, All-American Pioneers; 12-2 a. m., frolic.

WGN, Chicago, Ill. (302.8m-990kc), 6:45-6:55 p. m., musical program; 6:55-7:15, Drake concert ensemble, Blackstone string quintet, request program; 8-8:10, Auld Sandy; 8:10-8:30, musical program; 8:30-9:30, light opera concert; 9:30-10, old-time prize fight; 10-10:10, Sam 'n' Henry; 10:10-10:20, musical program; 10:20-10:40, play shop; 10:40-11, ensemble.

WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., musical program, Onondaga hotel, WFBL, WHAM, WGY; 9:30, Jack Denny and his Babcock Lake orchestra, Singing Hawaiians.

WHT, Chicago, Ill. (399.8m-750kc), 7 p. m., Al Carney, organist; 8:45-10:30 (238m-1260kc), Cinderella cafe orchestra; 10:30 (399.8m-750kc), Kitchen Klenzer entertainers; 10:50, Jack Turner, popular singer; Irene Smith; 12 midnight, your hour league.

WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., dinner program; string trio; Frances Schiebe, soprano; George Hancer, baritone; Thelma Maxwell, contralto; Roger Tighe, tenor; organ recital.

WJAZ, Chicago, Ill. (329.5m-910kc), 9-2 a. m., Earl Hoffman's Chez Pierre orchestra; program in Pierre's studio, popular Zenith artists.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Serenaders; 9, Jean Goldkette's Serenaders; 10, Goldkette's Victor Recording orchestra; 11:30, Merry Old Chief.

WKRC, Cincinnati, Ohio (325.9m-920kc), 10 p. m., Ace Brigode and his Fourteen Virginians; 11, Sam Jones; 11:15, Ace Brigode and his Virginians.

WLS, Chicago, Ill. (344.6m-870kc), 6:30 p. m., Elsie Look, organist; 7:15, WLS Twin Wheeze; barn dance.

WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., popular organ concert, Johanna Grosse; 7:30, meeting of the Sekatary Hawkins Radio club; 8, Johanna Grosse; 8:30, Lawson-MacLain Hawaiian string quartet; 9, Henry Theis and his orchestra; 9:30, Lawson MacClain Hawaiian string quartet; 10, Henry Theis' orchestra.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Hotel LaSalle orchestra; 8, Daw and Pratt; 8:30, photologue; 9, Chicago theater revue.

WOK, Chicago, Ill. (217.3m-1380kc), 4:30-7 p. m., Capitol theater organ; Tip-Top Inn ensemble concert; 10-1 a. m., Tearney's Town club orchestra; Carl Lorraine's Pershing Palace orchestra; Midway Garden orchestra; Capitol theater program; 1-2, Tearney's Town club orchestra; Midway Garden orchestra.

WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9-10 p. m., Van Campen hour of music; 10-11, Pervis Fefery, tenor; Roy Clark, Harold DeWindt, Bob and Hazel McAsker, Freddie Gleason, Thelma Dykman.

WRC, Washington, D. C. (468.5m-640kc), 7:15 p. m., Irving Boarnstein's Hotel Washington orchestra; 8:15, announced; 10, Hotel Mayflower orchestra; 11-12 midnight; organ recital, Otto F. Beck.

WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., dinner concert; 10-12 midnight, Speed-Wagon serenaders.

WSAI, Cincinnati, Ohio (325.9m-920kc), 7 p. m., chime concert, Robert Badgley; 7:30, sextet; 9, Maids of Melody; 12 midnight, popular musical program, Lelia La Mar; Latonia Melody boys; Norrine Gibbons; Priscilla Holbrook.

WTIC, Hartford, Conn. (475.9m-630kc), 7 p. m., Sunday school period; 7:30, Winsted community program; 9, Palmer trio; 9:30-10:30, Carroll's Palais Royal dance orchestra.

Central Standard Time Stations

KLDS, Independence, Mo. (440.9m-680kc), 8 p. m., studio program.

KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., Mrs. Jacque Landree, organist; 7, Little Red Schoolhouse; 8, Cotton Pickers; Michael Halbaum; 9, harp; 9:30, organ, piano; 10, orchestra; 11, club.

KPRC, Houston, Texas (296.9m-1010kc), 8 p. m., Frank Tilton, boy pianist; 10:30, Harold Oxley's orchestra.

KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., music and stage specialties, West End Lyric theater.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10-10:30 p. m., old-time fiddlin'; Joe Jones, Rece Hale; 10:30-11, New Arlington hotel orchestra.

KYW, Chicago, Ill. (535.4m-560kc), 5:30 p. m., dinner concert; 6-7, musical program; 7-8, program; 8-9:30, classical concert; 9:30-10:30, Congress carnival.

WBAP, Fort Worth, Texas (475.9m-630kc), 7:30-8:30 p. m., Sunday school lesson; 9:30-11, Sunflower Girl.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., Trianon ensemble; 8-10, program; 11:45, frolic.

WFAA, Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m., Jimmie Joy's orchestra; 8:30-9:30, Forest Avenue High school orchestra; 11-12 midnight, Jack Gardner's orchestra.

WOC, Davenport, Iowa (483.6m-620kc), 9-10 p. m., Lanark high school.

WRR, Dallas, Texas (245.8m-1220kc), 6-7 p. m., Adolphus hotel; 8-9, Thekla Bernhart, singer.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., Atwater Kent hour; 10:45, Hired Help Skylark.

WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., Beasley Smith's orchestra; 8:15, barn dance program.

WSUI, Iowa City, Iowa (483.6m-620kc), 7:30 p. m., musicale.

Mountain Standard Time Stations

KFAU, Boise, Idaho (280.2m-1070kc), 8:15-10 p. m., Boise Business Women's club.

KFXF, Colorado Springs, Colo. (249.9m-1200kc), 8 p. m., Dorothy Wells, cellist; Margaret Dietrich, violinist; Verda McCleary, pianist.

KOA, Denver, Colo. (322.4m-930kc), 9 p. m., Harmony Peerless orchestra.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Al Wesson's orchestra; 8-9, program of concert music; 9-10, program, Associated Packard Dealers of California; 10-11, Packard Radio club in popular songs; 11-2 a. m., KFI midnight frolic, Carey Wilson, master of ceremonies.

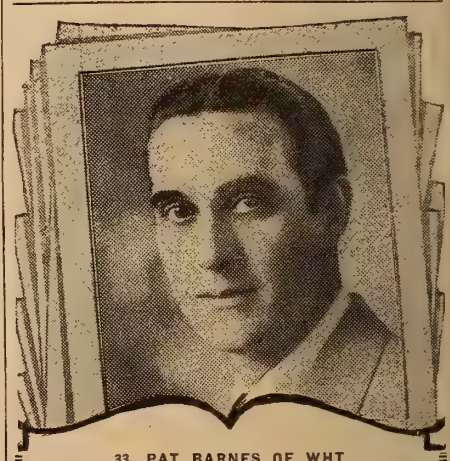
KFWB, Hollywood, Calif. (252m-1190kc), 6:30-7:30 p. m., Pontiac Six dinner hour; 8-9, program, Smith Investment company; 9-11, program, The Thomas System.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., Olds Wortman and King company; 10-12 midnight, Indian Grill.

KHJ, Los Angeles, Calif. (405.2m-740kc), 8-10 p. m., Times de luxe presentation.

KNX, Hollywood, Calif. (336.9m-890kc), 7:30-8 p. m., studio program; 8-9, program, Luna Park Amusement company; 9-10, KNX feature program; 10-11, Ambassador hotel dance orchestra; 11-2 a. m., Hollywood night, Filmland frolic.

KPSN, Pasadena, Calif. (315.6m-950kc), 8-9 p. m., Star-News concert.



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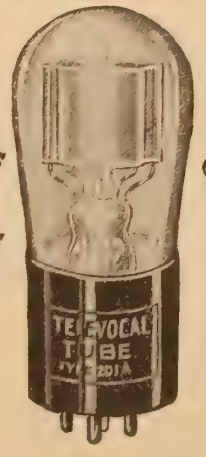

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Send No Money Just state battery wanted and we will ship day order is received, by Express C. O. D. subject to your examination on arrival. FREE "B" Battery included. Extra Offer: 5 per cent discount for cash in full with order. Buy now and get a guaranteed battery at 50 per cent saving to you.

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Sunday, May 30

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
7:20 p. m.	6:20	5:20	4:20	3:20

WEAF (491.5m-610kc), WEEI, WCAP, WJAR, WTAG, WWJ, WCAE, KSD, Capitol theater.

9:15	8:15	7:15	6:15	5:15

WEAF (491.5m-610kc), WCAP, WEEI, KSD, WGR, WWJ, WSAI, WGN, Atwater Kent program.

11:30	10:30	9:30	8:30	7:30

KFI (467m-642kc), Jim, Jack and Jean trio.
WRR (245.8m-1220kc), Dallas Athletic Club Little symphony.

For stations silent tonight refer to first Sunday's list.

Atlantic or Eastern Daylight Saving Time Stations

CFCA, Toronto, Canada (356.9m-840kc), 11 a. m., Timothy Eaton Memorial church; 7 p. m., Walmer Road Baptist church.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 11 a. m., church service; 5:15, Undenominational service; 6:30, Pennsylvania concert orchestra; 8, Bonwit Teller ensemble.

WGR, Buffalo, N. Y. (319m-940kc), 10:45 a. m., Westminster Presbyterian church; 7:45, Central Presbyterian church; 9:15, WEAF.

WHAR, Atlantic City, N. J. (275.1m-1090kc), 10:45 a. m., Chelsea Baptist church; 2:15 p. m., Seaside hotel trio; 7:30, Chelsea Baptist church; 9, Seaside hotel ensemble.

WHN, New York, N. Y. (361.2m-380kc), 7:30 p. m., Calvary evening services; 10:45, Janssen's Hofbrau orchestra; 12 midnight, Sophie Tucker's playground.

WIP, Philadelphia, Pa. (508.2m-590kc), 10:45 a. m., services.

WJAR, Providence, R. I. (305.9m-980kc), 7:20 p. m., WEAF; 9:15, WEAF.

WJZ, New York, N. Y. (454.3m-660kc), 7 p. m., Hotel Pennsylvania concert orchestra; 8, Bakelite hour; 9, Hotel Commodore concert orchestra, WGY; 10, Godfrey Ludlow, violinist, WGY.

WLIT, Philadelphia, Pa. (394.5m-760kc), 2:30 p. m., Arcadia cafe concert orchestra; 7, Benjamin Franklin hotel concert orchestra.

WLWL, New York, N. Y. (288.3m-1040kc), 8 p. m., Paulist choristers.

WMCA, New York, N. Y. (340.7m-880kc), 11 a. m., Christian Science services; 5:25 p. m., Halpert and Fryxell, Buck-a-neers; 7, Ernie Golden and his orchestra; 7:30, Olcott Vail's orchestra; 8:30, California Ramblers.

WOO, Philadelphia, Pa. (508.2m-590kc), 10:30 a. m., church services; 6 p. m., organ.

WOR, Newark, N. J. (405.2m-740kc), 6:30-7:15 p. m., Jacques Jacobs' Hotel Shelton ensemble; 7:30-7:45, Copenhagen quartet; 11:15-12 midnight, Fifth Avenue club orchestra.

Eastern Standard or Central Daylight Saving Time Stations

WBAL, Baltimore, Md. (245.8m-1220kc), 7:30-8:30 p. m., WBAL concert orchestra.

WBBM, Chicago, Ill. (225.4m-1330kc), 12:30-2 p. m., Metropolitan mixed quartet; Goldie Gordon, violinist; Bessie Sax, pianist; Cecile Winnie, bass-baritone; Paul Crunwell, bartone; Vinzie Lindhe, pianist; 4-6, Jack Crawford's Alemite orchestra; Maurice Silverman, tenor; Pauline Atlass, violinist; Lois Hammett, pianist; F. J. Porter, baritone; 11:59-3 a. m., Nutty club.

WCAP, Washington, D. C. (468.5m-640kc), 11 a. m., service; 4 p. m., outdoor service; 6:20, WEAF; 8:15, WEAF.

WCBD, Zion, Ill. (344.6m-870kc), 8 p. m., Zion choir, celestial bells, organ, male quartet; G. R. Sparrow, tenor; Mrs. G. R. Sparrow, contralto; duets; Carey Sisters; Miss Reynolds and Mr. Bagg, duettists; Mable Dulmage-Gustafson, reader; Eula Myhre, pianist.

WEBH, Chicago, Ill. (370.2m-810kc), 10:40 a. m., Seventh Church of Christ, Scientist; 7-9, artists' program.

WENR, Chicago, Ill. (265.3m-1130kc), 2-3 p. m., Skeeles-Biddle hour of better music; 3-4, Moody Bible Institute hour; 6-7, Moody Bible institute evening hour; 9:30-12 midnight, All-American Pioneers.

WGN, Chicago, Ill. (302.8m-990kc), 6:45-7 p. m., musical program; 7-7:20, The Million Sing; 7:20-7:30, Old Fashioned Almanack; 7:30-7:45, Correll and Gosden; 7:45-8:15, Drake concert ensemble, Blackstone string quintet; 8:15-8:45, WEAF; 8:45-10, "Our Music Room—Verdi"; 10-10:10, Sam 'n' Henry; 10:10-11, musical program.

WGY, Schenectady, N. Y. (379.5m-790kc), 9:45 a. m., First M. E. church; 3 p. m., musical program, Syracuse, WFBL, WHAM, WGY; 3:30, Tidmarsh organ recital; 6:30, First M. E. church; WJZ.

WHT, Chicago, Ill. (399.8m-750kc), 12 n.-11:30 p. m., Paul Rader.

WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., dinner concert, string trio; Agnes Buchli, soprano; Helen Snyder, Robert York; 10-12 midnight; popular program, artists.

WJAZ, Chicago, Ill. (329.5m-910kc), 7-9 p. m., special musicale, Spanish Garden studio.

WJR, Pontiac, Mich. (516.9m-580kc), 10:30 a. m., First Baptist church.

WKRC, Cincinnati, Ohio (325.9m-920kc), 6:45 p. m., Walnut Hills Christian church; 10, classial program; 11:15, Ace Brigode and his Fourteen Virginians.

WLS, Chicago, Ill. (344.6m-870kc), 10:50 a. m., U. of C. church service; 12 noon, Ralph Emerson, organist; 7-8:55 p. m., WLS Little Brown church.

WOK, Chicago, Ill. (217.3m-1380kc), 6 p. m.-1 a. m., Tearney's Town club orchestra; Midway Garden orchestra; Pershing Palace orchestra; Capitol theater musical program; ensemble; studio program.

WREO, Lansing, Mich. (285.5m-1050kc), 10 a. m., Belfry Plymouth Congregational church; 7:30 p. m., Central M. E. church.

WSAI, Cincinnati, Ohio (325.9m-920kc), 11 a. m., services, Avondale Methodist church; 7:45 p. m., chime concert, Robert Badgley; 8:15, WEAF.

WSWS, Chicago, Ill. (275.8m-1090kc), 11 a. m., Moody church; 3 p. m., popular afternoon service; 7-9:30, evening song service.

WWJ, Detroit, Mich. (352.7m-850kc), 10 a. m., First Presbyterian church; 2 p. m., Detroit News orchestra; 6:20, WEAF; 8:15, WEAF.

Central Standard Time Stations

KFDM, Beaumont, Texas (315.6m-950kc), 8-9 p. m., First Christian church.

KFMX, Northfield, Minn. (336.9m-890kc), 7-8 p. m., vesper.

KFQA, St. Louis, Mo. (280.2m-1070kc), 8 p. m., Fourth Church of Christ, Scientist.

KLDS, Independence, Mo. (440.9m-680kc), 11 a. m., Stone church service; 3 p. m., sacred program; 6:30, Radio vesper service; 9:15, sacred program.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 11 a. m., St. Luke's Episcopal church; 9:10-10, classic hour.

KYW, Chicago, Ill. (535.4m-560kc), 10 a. m., Central church; 3:30 p. m., studio concert; 6-8:30, Chicago Sunday evening club service; 8:30-10, classical concert.

WDAF, Kansas City, Mo. (365.6m-820kc), 3-4 p. m., ensemble; 4-4:45, vespers.

WFAA, Dallas, Texas (475.9m-630kc), 6-7 p. m., Bible class; 7:15-8, Willard B. Muse, tenor; Mrs. Muse, contralto and pianist; 8-9, Service Pearl and Bryan streets, Church of Christ; 11-12 midnight, Honey Boys' orchestra.

WHB, Kansas City, Mo. (365.6m-820kc), 9:40-10:45 a. m., Linwood Blvd. Christian church; 11:10-12:30 p. m., Independence Blvd. Christian church; 8-9, services; 11:15-1 a. m., Linwood feature, Morrill Moore, organist; Don Anchors, poet.

WOS, Jefferson City, Mo. (440.9m-680kc), 9:30 a. m., Christian church.

WRR, Dallas, Texas (245.8m-1220kc), 10:45 a. m., First Baptist church; 7:30 p. m., First Baptist church; 9:30-10:30, Dallas Athletic club.

WSB, Atlanta, Ga. (428.3m-700kc), 5 p. m., Inman Park Baptist church choir; 7:30, Wesley Memorial Methodist church services.

WSM, Nashville, Tenn. (282.8m-1060kc), 10:30 a. m., First Presbyterian church.

WSUI, Iowa City, Iowa (483.6m-620kc), 9:30 p. m., male quartet.

Mountain Standard Time Stations

KFXF, Colorado Springs, Colo. (249.9m-1200kc), 11 a. m., First Presbyterian church; 7:30 p. m., First Methodist church.

KOA, Denver, Colo. (322.4m-930kc), 11 a. m., Augustana Lutheran church; 5 p. m., Denver College of music; 6:30, KOA choristers; 7:30, Augustana Lutheran church.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-7:30 p. m., Grebe Synchrophase string ensemble; 7:30-8, Jim, Jack and Jean trio; 8-9, Aeolian organ; 9-10, Movieland syncopators; 10-11, Packard Six dance orchestra.

KFWB, Hollywood, Calif. (252m-1190kc), 9-11 p. m., Warner Brothers movie frolic; a Memorial Day edition.

KGW, Portland, Ore. (491.5m-610kc), 10:25 a. m., First Presbyterian church; 7:30-9 p. m., church; 9:10-10, Chevrolet symphony orchestra.

KHJ, Los Angeles, Calif. (405.2m-740kc), 7-8 p. m., First Methodist Episcopal church; 8-10, special Memorial Day program.

KNX, Hollywood, Calif. (336.9m-890kc), 8-9 p. m., First Presbyterian church of Hollywood; 9-10:30, Russian string quartet.

KTAB, Oakland, Calif. (239.9m-1250kc), 11-12:30 p. m., services; 7:45-9:15, services; 9:30-11, concert.

KTAB, Oakland, Calif. (239.9m-1250kc), 11 a. m.-12:30 p. m., services; 7:45-9:15, services; 9:30-11, concert.

Monday, May 31

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
8 p. m.	7	6	5	4

KVOO (374.8m-800kc), Oklahoma's Sweetheart of the Air.

9	8	7	6	5

KFKU (275.1m-1090kc), Lecture on Opera, Prof. C. S. Skilton.
WCOA (222m-1350kc), Wildcats from Jazzland.

10:15	9:15	8:15	7:15	6:15

WSM (282.8m-1060kc), Prof. Vratislav Murdroch, Bohemian violinist.

11	10	9	8	7

KOA (322.4m-930kc), "A Step On the Stairs," all installments.
WHAZ (379.5m-790kc), Campus serenaders.

11:10	10:10	9:10	8:10	7:10

KTHS (374.8m-800kc), Italian folk songs.

1 a. m.	12 m.	11	10	9

KGW (491.5m-610kc), Vaudeville.
KMOX (280.2m-1070kc), Rendezvous club.

For stations silent tonight refer to first Monday's list.

Atlantic or Eastern Daylight Saving Time Stations

WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30 p. m., recital; 8:30, musicale; 9, Merry Minstrels; 10, Madrigal mixed quartet.

WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., Maxine dance orchestra; 8, Memorial Day program; 10, program, Shakespearean Society of Buffalo; 10:30, popular songs; Frank Oliver and associates; 11, Vincent Lopez Hotel Statler dance orchestra.

WHAR, Atlantic City, N. J. (275.1m-1090kc), 8 p. m., Seaside hotel trio; 11, Follies Bergere dance orchestra.

WHN, New York, N. Y. (361.2m-380kc), 6:30 p. m., WHN movie club; 7:30, Joe Ward's Swanee entertainers; 8:05, Roseland dance orchestra; 8:30, George's Surprise; 9:30, Loew's New York orchestra; 10, Palisades Amusement Park orchestra; 10:30, Leroy Smith's orchestra; 11, Cotton club orchestra; 11:30, Club Alabam orchestra; 12 midnight, Silver Slipper orchestra.

WJAR, Providence, R. I. (305.9m-980kc), 7:45 p. m., musical program; 9-11, WEAF.

WJZ, New York, N. Y. (454.3m-660kc), 7 p. m., Hotel Madison dinner concert; 7:55, John B. Kennedy; 8, B. Fisher & Co.'s Astor Coffee orchestra; 9, Reading Railroad Revelers; 10, Mooreland hour; 10:45, Harry Leonard's Waldorf-Astoria orchestra.

WLIT, Philadelphia, Pa. (394.5m-760kc), 9 p. m., Stanley hour of music; 10, Arcadia cafe dance orchestra; 10:30, vaudeville; 10:45, Ben Franklin hotel concert orchestra.

WLWL, New York, N. Y. (288.3m-1040kc), 8:30 chamber music; 9:30, Schickerling concert.

WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Olcott Vail and his Hotel McAlpin string ensemble; 6:30, Ernie Golden and his orchestra; 7:30, Kurtz Karnival Kings; 9, Christian Science; 12 midnight, McAlpin entertainers.

WNYC, New York, N. Y. (526m-570kc), 6:20 p. m., piano selections.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Ritz-Carlton dinner dance orchestra; 9, WEAF; 10, WEAF.

WOR, Newark, N. J. (405.2m-740kc), 6:40 p. m., Hotel Bretton Hall quartet.

Eastern Standard or Central Daylight Saving Time Stations

WBAL, Baltimore, Md. (245.8m-1220kc), 8-9 p. m., musicale.

WCAP, Washington, D. C. (468.5m-640kc), 7 p. m., music; 8-10, WEAF.

WGY, Schenectady, N. Y. (379.5m-790kc), 6:30-7:15 p. m., musicale; 8-8:30, musicale.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Goldkette's Petite symphony orchestra; 7:15, entertainers; 7:45, Goodwill Oakland; 9, Paige and Jewett Sixes; 11:30, Merry Old Chief.

WKRC, Cincinnati, Ohio (325.9m-920kc), 6 p. m., Alvin Roehr and his Hotel Alms orchestra; 8, Eugene Perazzo, pianist; 8:20, Cincinnati Public Schools program; 9, program, Robert E. Bentley Post American Legion; 12 midnight, Erwin Reads Garden of Allah.

WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., serenaders, ensemble.

WRVA, Richmond, Va. (256.3m-1170kc), 9:15 p. m., Eastern Carolina Chamber of Commerce program.

WSAI, Cincinnati, Ohio (325.9m-920kc), 7 p. m., WEAF; 10, Greenland's orchestra.

WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7, studio program; 8, Detroit News orchestra; 9, A. and P. Gypsies.

Central Standard Time Stations

KFKU, Lawrence, Kans. (275.1m-1090kc), 7:15 p. m., Winifred Casey, violinist; Clifton E. Mott, pianist; Inez Pratt, soprano.

KMOX, St. Louis, Mo. (280.2m-1070kc), 7 p. m., Buster Brown; Brown Bilt Boys; KMOX Radio orchestra; 8, Colonel 6121; KMOX orchestra; 10, classical selections; 11, club.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10-10 p. m., Italian folk songs, New Arlington hotel orchestra; 10-11, Como Hotel Roof Garden orchestra.

WHB, Kansas City, Mo. (365.6m-820kc), 7-8 p. m., Sweeney Radio orchestra.

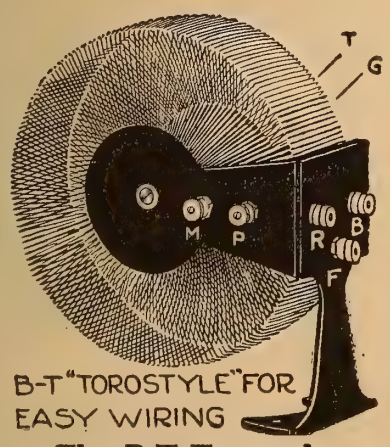
WOS, Jefferson City, Mo. (440.9m-680kc), 8 p. m., WOS studio; 8:10, commencement concert, Christian college.

WRR, Dallas, Texas (245.8m-1220kc), 6-7 p. m., Adolphus hotel; 8-9, Magnolia band; 11-12 midnight, Phil Pierce, organist.

WSM, Nashville, Tenn. (282.8m-1060kc), 8:15 p. m., Prof. Vratislav Mudroch, Bohemian violinist; pianists; 10, Vito Pellettieri and his orchestra.

WSUI, Iowa City, Iowa (483.6m-620kc), 8 p. m., musicale.

A Letter from Italy



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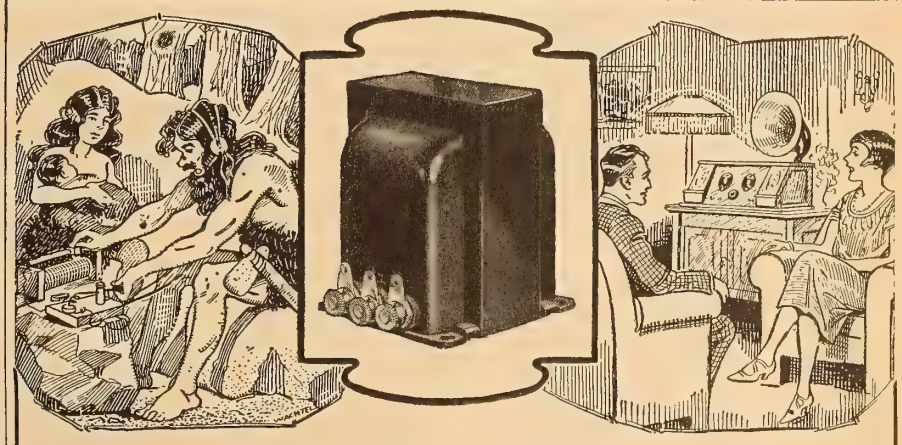

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Transformer specialists since 1895
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Chicago, U.S.A.

OVER WENT THE BABY

(Continued from page 4)

simple matter to get her into the boat after the man finally arrived. She was half dead from exhaustion and after she saw that Kitty was safe she did not seem to worry much about her own rescue. But she rested for a few minutes by hanging onto the chain at the bow and finally succeeded in rolling over into the boat without capsizing it.

The terror stricken companions in the motor boat had let it go of its own accord until it came to shore and started up the bank before it stopped.

Soon the story spread along the line of the railway where Mr. Polyblank is employed as a civil engineer. He was just about the proudest husband and father in the world when he heard what his wife had done. And the story traveled until it reached Montreal and the office of the president of the lines, Sir Henry, himself.

"That woman deserves a gold medal," said Sir Henry.

The Royal Canadian Humane association took up the suggestion. They passed resolutions and ordered a medal of pure gold with a proper inscription and a design.

"Now come to Montreal," wrote the commissioners, "and the president will present the medal with fitting ceremonies at a public testimonial."

Mrs. Polyblank read the letter, looked over at her husband and laughed.

"That's a joke," she said. "Probably I was the only one who could swim and you don't think I'd leave the little thing drown, do you? No, I'll stay home and get the meals for my family. Really, I don't see how I could take the time to get away. There's the mending and the washing and, no, thanks very much. Couldn't possibly get away although I appreciate the courtesy—"

Then came a day when a tall, well-dressed man knocked at the door of the tarpaper covered shack of the Polyblanks on the new mining frontier at O'Brien. Several of the neighbors and friends also found occasion to call. They sat in the parlor and Mr. Polyblank tuned in the Radio.

Mrs. Polyblank was startled to hear her name announced over the air. It was the voice of Sir Henry W. Thornton. He was talking to her, telling her of what Canada thought of her exploit. People were listening to him all over the Dominion. She was in the presence of a great audience, greater than she had ever seen in all her life.

"And in token of this valiant deed, this remarkable example of devotion and womanly valor that came so near costing you your own life, I hereby present you with this medal of the Royal Canadian Humane association—" Mrs. Polyblank listened as in a dream. And at that moment the stranger opened a small jewel box and lifted the shining medal which he gallantly pinned to Mrs. Polyblank's dress.

It seemed as though Sir Henry was right there in the little room with the other friends and neighbors. His voice came out of the loud speaker clearly and distinctly. To other listeners it seemed as though the whole ceremony was in some big auditorium.

Will Mrs. Polyblank be a guest at Kitty's birthday party? Will she get a big slice of the birthday cake with three candles made from the tallow of a fat bear that lived in the woods over the hill? She will! She will!

And will she wear her beautiful, shiny gold medal?

Now you just guess.

KFJF FIRST RADIO POST

(Continued from page 5)

arms to eject him from the canteen. Thank you, and, as I said before, if you spit on the floor at home you may do so here. We want you to feel at home. And now, Mr. Vargason, you will read the report." This is purely a supposititious interlude in the course of an imaginary session of a Radio post.

There always is plenty of talent among the members or their friends and they follow the wishes of their associates and correspondents in presenting the programs. "Sergt. Bob" is especially gifted with a Radio voice. He fought with the Marines on the other side. Sometimes he is assisted by Harry Richardson, one of the regular announcers at KFJF. "Sergt. Bob's" Radio experience may serve in a broader scope should he become "loud" speaker at the House of Representatives. He already is a member of the legislature.

Much of the snap and zest of the KFJF programs is due to the vigorous direction of R. M. Shaw and among the star entertainers are Art Fowler, "Wizard of the Uke," and Mr. and Mrs. S. E. Ramseyer with the trombone and harp.

Thanks to KFJF, here is a chance for the buddies in the Southwest to meet up with their comrades of the big war, no matter how far they may be from post headquarters. Here is contact with forces on the front line of industry, pioneering and lads who are still down with wounds in the hospital wards. It seems to be an idea that can be expanded over the country with profit.

"BIG RABBIT"

(Continued from page 9)

not. Black him up, too, as we will rely upon disguises."

"Where is Major Gaskill and Roberta—I mean Miss Tonneson?" I asked and flushed, quickly realizing I had used the name by which I had come, unconsciously, to think of her. Borton grinned idiotically, but permitted my slip to pass without a remark.

"They are somewhere in the swamps of the Ocklawaha river," he replied seriously. I do not know the exact spot, but can get near it. I tried to reach it on foot through the swamps, and failed. I know the negroes get through on paths, but I got off the trail and wandered for twenty hours." He shuddered at the recollection of his experience.

"I'm glad now I missed it," he added. "Night before last, while I was the unwelcome companion of a couple of alligators and a dozen or so moccasins on a cypress hummock I overheard enough to understand it was the luckiest thing in the world for me that I had lost myself. If I had stumbled into the place unexpectedly—"

He checked himself and shrugged meaningly.

"What did you hear? Who was talking?"

"A BUNCH of negroes passing along the trail. They were speaking of Trimble, although they did not use his name. It seems he had issued orders for them to meet at a given point—and I was not far from that point. If I had gone on a short distance I would have come upon a crowd of them and—well, I wouldn't have been back. By the way, Wen, don't be surprised if we run across some surprisingly big rabbit tracks."

He added the last a little maliciously, but I had not time to question him further or get more information as the little automobile was honking its warning and notifying him it was time to start for the train. When he had gone I turned in to get two more hours sleep. Then I awakened Danforth and, at breakfast told him of Borton's return and of his peculiar orders.

"I'm in on this to the finish," Danforth said. "I wish Borton had told us more of the situation. As it is the only thing to do is to follow his instructions. He has a scheme in mind—and his idea of disguises is sound—if it is night."

During the morning we carried out the instructions and made the purchases and arrangements suggested by Borton. The hours seemed to drag and we improved the time by testing the boat's engine, cleaning the spark plugs and purchasing arms and supplies. To secure the arms we had to appeal to a deputy sheriff who, when Danforth identified himself and explained that he was in pursuit of timber thieves, readily assisted us in securing a young arsenal, lending us guns from his own supply, which was plentiful.

"Look here, Dan," I remarked as we tested the boat, "I don't want to drag you into this affair and have you take all this trouble and perhaps risk without chance for reward. We need your help, but we want you to get something from it if we are successful."

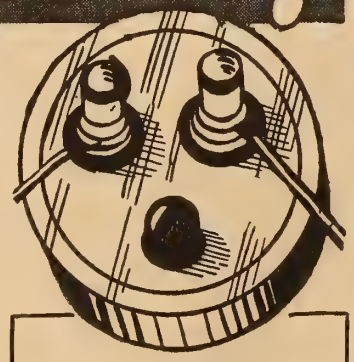
"MY DEAR boy," said the little detective heartily, "in the first place I'd go if only for the fun of the thing. In the second place I'm tolerably certain you are not in this for what money you may get. In the last place I am beginning to think that maybe I am using you and your pal for my own ends. I have an idea your friend has put me on the

(Continued on page 29)

No More Static!

NEWEST, most startling invention eliminates static under all weather conditions. No loss of volume. Everything comes in clear and strong. No more exasperating buzzes, squeaks, and howls.

Start to enjoy the pleasure of your radio. Install a Static Eliminator and you can forget all about static forever. And not only that. You will increase the selectivity of your set—you will be able to tune out other stations easier, sharpen signals, remove noises, lessen interference, and prevent re-radiation. Over a half million Static Eliminators in use now. Thousands being sold daily. You will be enthusiastic too when you hook it up to your set and hear the amazing difference.



STATIC Eliminator fits all makes of radio sets. A child can hook it up in half a minute. Lasts a lifetime.

The Static Eliminator is sturdily made to give many years of perfect service. A simple, but effective device that hooks up to any make of set in 30 seconds. Complete, easy to follow directions included with every Eliminator. You will be amazed at the immediate improvement in your results. Mail coupon for your Eliminator now.

Amazing Low Price

$1.00 Postpaid

This wonderful new invention sells for only $1.00. Users say it's easily worth ten times this price because it produces such a wonderful improvement in receiving power and clearness of all radio sets.

Satisfaction Guaranteed

You will be delighted with the results of this remarkable instrument. That's why we guarantee absolute satisfaction. Money back if Static Eliminator is returned within 5 days. Don't be without it another day. Begin at once to know the real joy of receiving all stations without interference. Mail this coupon with a dollar bill—TO-DAY!

"MARVELOUS!" Users Write

"I find your Static Eliminator to be the most wonderful addition to a radio set in all my experience. It sure does the work."—J. J. Aldrich, 172 N. 4th St., Columbus, Ohio.

"Am surprised at the wonderful results I am obtaining. I am now receiving stations with clearness that is truly remarkable."—Thos. C. Smith, 2582 Parve Ave., New York.

"Your Static Eliminator is a great help. It gives me a wide receiving range. Last night in less than one hour, I had about 15 different stations."—R. D. Smith, Box 365, Clermont, Florida.

"I like the Eliminator fine. I wouldn't sell it if I couldn't get another."—Burt W. Thompson, Homer, Mich.

STATIC ELIMINATOR CO.
651 United Bank Building
Cincinnati, Ohio

Mail This Coupon NOW

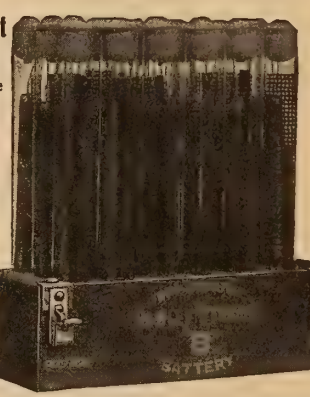
STATIC ELIMINATOR COMPANY,
651 United Bank Bldg.,
Cincinnati, Ohio

Gentlemen: I ENCLOSE $1.00 for which please send me one STATIC ELIMINATOR as advertised. You will return my money if I return Eliminator in five days.

Name .....

Address .....

City..... State.....



22½ Volt un-acid everlasting rechargeable **"B" STORAGE BATTERY** **$2.95** Includes Chemical

45 volts, $5.25; 90 volts, $10.00; 112½ volts, $12.50; 135 volts, $14.75; 157½ volts, $16.80. Truly the biggest buy today. Easily charged on any current including 32-volt systems. Any special detector plate voltage had. Tested and approved by leading authorities such as Popular Radio laboratories. Over 3 years sold on a non-red tape 30-day trial offer with complete refund if not thoroughly satisfied. Further guaranteed 2 years. Knock-down kits at great savings. Complete "Hawley" "B" battery charger, $2.75. Sample cell, 35c. Order direct—send no money—simply pay the expressman cost on delivery. Or write for my free literature, testimonials and guarantee. Same Day shipments. B. Hawley Smith, 817 Washington Ave., Danbury, Conn.

Battery Prices SMASHED!
To Consumers Only

Here is a real battery quality, *guaranteed* to you at prices that will astound the entire battery-buying public. **Order Direct From Factory.** Put the Dealer's Profit in your own pocket. You actually save much more than half, and so that you can be convinced of true quality and performance, we give a *Written 2-Year Guarantee.* Here is your protection! No need to take a chance. Our battery is right—and the price is lowest ever made. Convince yourself. Read the prices!

Auto Batteries		Radio Batteries	
6Volt,11 Plate,	$8.50	6Volt,100 Amp.	$8.50
6Volt,13 Plate,	10.25	6Volt,120 Amp.	10.25
12Volt, 7Plate,	11.75	6Volt,140 Amp.	11.75

Buy Direct—Send No Money

We ask no deposit. Simply send name and address and style wanted. Battery will be shipped same day we receive your order Express C.O.D. subject to your examination on arrival. Our guarantee accompanies each battery. We allow 5% discount for cash in full with order. You cannot lose! Send your order today—NOW!

ARROW BATTERY CO.
Dept. S . 1215 So. Wabash Ave., Chicago

PITTS'
UNDERGROUND
ANTENNA

Latest development in Underground Antennas greatly improves selectivity — eliminates power interference—static eradicated—tone quality improved. Complete in box, ready to bury in a hole 18 inches deep, 24 inches long and 6 inches wide. It is not directional, generates its own current and creates a new magnetic field—will last for years. Buy now and laugh at summer static.

$14.50

Send money order or check ($5.00) and Pitts' Underground Antenna will be sent direct to you, balance ($9.50) to be paid on delivery.

ERNEST WALKER SAWYER
1915 Santa Fe Avenue
Los Angeles, Cal.

Interference Eliminator

Tunes out that troublesome, powerful station. Brings in stations you never had before. *500,000 actually sold.* Radio owners proved to themselves on our free trial that this marvelous instrument fills every claim. Try One at our risk. Learn how much interference you have called static—absorbs some static, too.

Improves Any Set—Tube or crystal, using any kind of aerial except loop antenna.

Select Stations At Will Every radio needs this Eliminator (Patents Pending). Accept no substitute—look for the name STEINITE. No Extra Tubes or Batteries—no tools needed. No change in log. Just attach to aerial—full instructions given.

$1 Postpaid. Absolutely guaranteed. Money back if not delighted. Two big Banks tell you we are reliable. ORDER TODAY—Dollar Bill will do. Free catalog of all Steinite Products on request.

STEINITE LABORATORIES
61 Radio Bldg., Atchison, Kans.

The Reader's View

Hoover Cause of Radio Chaos

We have no one to blame but Secretary Hoover of the department of commerce for the chaos he claims there is in Radio.

The chaos in Radio today, is not brought about by improper Radio laws; does not require immediate legislation to be rushed through congress; but is the direct result of gross discrimination in Radio administration by the department of commerce, of which Mr. Hoover is the guiding hand. One glance at the government chart No. 1806, "Distribution of Broadcasting Stations of the United States" (which I forced into the records, page 179 of the hearing on the Dill Radio bill before the senate committee on interstate commerce), will prove my statements.

This map, drawn by the department of commerce, shows 466 stations crowded down on the lower wave lengths between 280 and 200, just 80 meters. On some of the wave lengths are crowded as many as 26 stations, and at this date, records will show possibly over 30 stations crowded on one wave length. On the upper band, between 280 and 545 meters, a wide range of 265 meters, there are only 105 stations and none of these wave lengths have over four stations on them. If that is not discrimination, what can it be? It is worse, it is dangerous usurpation, it is palpable usurpation and may the day be near when some senator will introduce a resolution in the senate, asking for a complete investigation of Secretary Hoover's Radio administration. It is that which is needed now; not legislation, because the 1912 law is a good law; no one even tried to disobey it until Hoover showed unfairness. His discrimination has forced the broadcaster to step over his head to find a wave length upon which he could breathe.

All the department of commerce need do to eliminate the chaos in Radio, is to re-allocate the wave lengths, and this can easily be done as follows: Between 280 and 200 meters they now use 40 wave bands, with 466 stations crowded on these 40 bands, which is an average of over 11 stations on each wave length. Between 280 and 545 meters are 47 wave lengths now in use, with only 105 stations on them, or an average of 2 to 3 on each of the higher bands. Altogether there are 87 wave lengths used. According to their map No. 1806 published October 28, 1925, there is shown a total of 571 stations, which with 87 available wave lengths, would average only about 6 stations on each wave length.

This can be done. There can be no argument to the contrary because already they have placed over 30 stations on one wave length, and to cut it down to only 6 on each would smoothe out the interference so that the good stations on the crowded lower wave lengths will get out just as well as those on the higher lengths.

Of course, the public realizes that the department and those interested in gaining a monopoly of the air will not favor such a re-allocation; they want less stations on the air, and will do all they can in this unfair discrimination against the independent stations so that they cannot get out good and so that the listener will learn to condemn them. It all ends in creating a bad feeling against the independent stations, who in reality give good programs; variety programs with a homelike atmosphere.

Eventually the chain stations, with their influence, will crowd the independents off the air, have the field to themselves and then the public shortly thereafter will be paying a monthly rate for their privilege of listening to Radio programs. The private interests control every other public commodity, and will soon have Radio in their clutches.—Norman Baker, president of the American Broadcasters, owner and operator of Calliaphone Studio K-"TNT" at Muscatine, Iowa.

STEP ON STAIRS PRIZES

(Continued from page 3)

tric Company station, KOA, at Denver, will present all ten episodes the night of May 31. These are all the definite dates that have been sent to Radio Digest at this time.

How Prizes Were Awarded

It is with regret that Radio Digest is unable to award prizes to all of the thousands of listeners and readers who have sent in their solutions for the final chapter. Authors and editors were surprised that so many guessed "Cousin William" as the actual murderer of Jeremiah Turner. But few were successful in their conclusion as to why and what was meant by Uncle Peleg when he said he had done the killing.

The letters that won the leading prizes received the greatest number of votes from the judges who read all letters stating that "Cousin William" was the guilty one. All the others came in order of the number of votes. Both the first and second prizes were awarded for exceptionally well-written story chapters. Mrs. Lentz carried on the characters with remarkable verity, and although her methods of arriving to the correct conclusion were entirely different than the author's, her version could have been substituted for the author's without question.

Boy Winner Is Student Writer

Clinton B. DeSoto's letter states that he is a boy, 14, and that he is going to follow literature as a profession. His chapter was worthy of the work of a professional writer. He divided his chapter according to the Radio Digest style and, with pen and ink, drew in initial letters for these divisions. He made Ardwyn bluff Peleg Turner until the latter admitted that he did not kill his brother, Jeremiah. Then from Hari Singh he learned that William Caryl had been in the house the night of the murder. Caryl attempts to escape through the door of death but is overtaken by Tolliver who chokes him to the point of death when he makes his confession.

Credit Is Due Stations

Radio Digest is planning for an important announcement to be made late in the summer for a sequel to this experiment that will in all probability receive even a more comprehensive endorsement than did "A Step On the Stairs."

Credit for the success of "A Step On the Stairs," is shared equally by Radio Digest and the following stations, some of which added a special staff of artists to present the play while others were those who have pioneered in Radio drama from the beginning:

KGO, General Electric Co., Oakland, Calif.
KOA, General Electric Co., Denver, Colo.
WBAP, Star-Telegram, Fort Worth, Tex.
WCCO, Gold Medal, Minneapolis-St. Paul, Minn.
WGY, General Electric Co., Schenectady, N. Y.
WHO, Bankers Life Co., Des Moines, Iowa.
WLW, Crosley Radio Corp., Cincinnati, Ohio.
WMAQ, Daily News, Chicago, Ill.
WNAC, Shepard Stores, Boston, Mass.
WEAN, Shepard Stores, Providence, Rhode Island.
WOAW, Woodmen of World, Omaha, Nebr.
WOC, Palmer Chiropractic School, Davenport. Iowa.
WOR, L. Bamberger Co., Newark, N. J.
WRC, Radio Corp. of America, Washington, D. C.
KTHS, New Arlington Hotel, Hot Springs, Ark.

"BIG RABBIT"

(Continued from page 28)

right trail in my own case and that our work lies along the same lines."

"Well—if you look at it that way—" I hesitated.

"I do," Danforth interrupted quickly but kindly. "And look here, boy, there is another reason. I'd be the last fellow in the world to refuse what help I may be able to give if that little girl means anything to you—and I think she does."

I never had admitted openly, even to myself, how much Roberta Lee Tonneson had come to mean to me. It seemed presumptious folly to think a girl, young and beautiful, perhaps wealthy, who scarcely knew me, or anything about me, might come to care for me. Yet the little detective's simple words and sincere sympathy brought realization of the state of affairs and, almost without thinking, I blurted out;

"She does, Dan, she does. She is the world to me."

I hesitated, stammered and stood looking foolishly at him as I realized what I had said and finished weakly. "Don't mind what I said, Dan. Forget it. I didn't realize what I was saying. Why, I've hardly spoken to her, she scarcely knows me."

"Thought I recognized the symptoms," Dan laughed so understandingly I felt better. "Good luck to you. Now let's get down to the river and practice with these guns, to get used to them. Do you shoot?"

"Hardly at all, since I was a boy," I replied glad and relieved to turn from the too delicate subject although, having spoken openly of my love for the girl I had met but once, I felt better and somehow more determined and confident. "My practice since I went to New York has been confined to an occasional shot in some gallery at Coney."

"We cannot expect Borton back much before three o'clock. The first train he

(Continued on page 30)

Increase Your *Radio Vision*

YOUR Radio set brings to your ears the programs. This arouses a desire to see a likeness of entertainers and stations. Here is where you have need of something to give you this real vision. Our mission is to supply this factor in Radio, and we offer

RADIO DIGEST, *the Eyes of Radio*

in each issue of Radio Digest, Illustrated. This, with the printed story, makes your Radio complete, which is a service paramount to all Radio set owners.

Satisfy Your Curiosity
Multiply Your Entertainment

by having each issue of Radio Digest mailed to you as it comes from the press. Then you will avoid the disappointment of missing copies.

Keep Smiling—Be in the Front Ranks

One entire year of this service NOW ONLY THREE DOLLARS

Your Best Radio Investment

FILL IN THE COUPON TODAY

RADIO DIGEST,
510 N. Dearborn Street,
Chicago, Ill.

Enclosed find $3.00 for one year's subscription to Radio Digest. Mail me this service regularly to

Name .....

Address .....

City ..... **State** .....

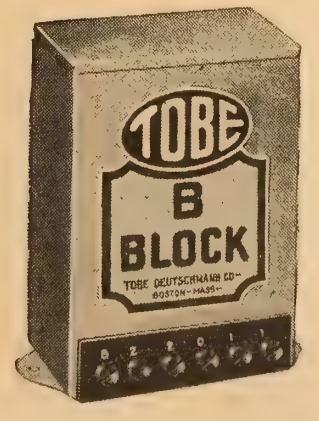
5-15-26

TOBE *means "The Better Condensers"*

to increasing thousands of intelligent and discriminating Radio buyers.

When you buy those condensers for your new B-Eliminator or power amplifier, for your improved-quality audio amplifier or for by-passing your B-batteries, ask your dealer for TOBES. That is all you need to say. He will know what you mean and you in turn will be insured against condenser trouble.

Remember, TOBE means "better condensers."



Tobe B Block
Type 760

Contains in one case all the filter capacities required in a B-Eliminator filter. It saves you $2.50 over the cost of separately cased condensers, saves wiring and time. Its binding posts are at the bottom, where they belong, out of the way of chance contacts with the fingers of the dusting housewife or inquisitive child. This means SAFETY.

Price—$11.00

We have tried to make it possible for you to get TOBE apparatus at your dealers. Ask him first,—if it happens he is not stocked, we shall be glad to forward your order on receipt of check or money order.

Tobe Deutschmann Co.
CORNHILL **BOSTON, MASS.**

CLASSIFIED ADVERTISEMENTS

Classified advertisements in Radio Digest produce results. Have you a receiving set to sell? Do you want to buy a Radio? A classified advertisement in this column will sell your set.

Rates are twenty cents a word for each insertions, ten per cent for six insertions, fifteen per cent for twelve insertions, twenty per cent for twenty-four insertions. Name and address to be included at above rate. Cash should accompany order. Minimum of ten words.

Objectionable and misleading advertisements not accepted. Forms close three weeks prior to date of publication, which is first and fifteenth of each month.

AGENTS WANTED

Free book. Sell novelties by mail; home employment evenings. Pier Company, 72-A, Cortlandt Street, N. Y.

BLUE PRINTS

NO MORE BATTERIES—Build "A" and "B" eliminator—operates any set on AC or DC, no hum, satisfaction guaranteed. Complete plans, $2. Engineers' Service Company, Suite 203—15 Park Row, New York.

Just Out—Actual size template for Radio Digest's latest set—Super-Torodyne, 25c. Instructions appearing in April 10-17-24 and May 1 issues.

Super-Het, Ryan's Simplest Possible 7-Tube Set. Complete instructions, actual size template. How to make a loop. All for 50 cents. Book Dept., Radio Digest, 510 North Dearborn Street, Chicago.

DOGS

Beautiful registered bull pups, $15. Bulldogs, 501 Rockwood, Dallas, Texas.

FOR SALE

Here is your opportunity to obtain a real good buy on ¼-HP, 110-volt, 60-cycle, single phase, AC, enclosed dust proof new electric grinders and buffers, 6-inch emery wheel on one side and 6-inch buffer on the other, with cord and plug, at a low price of $15.75 each. Special price on brand new 1-KW or 1000-Watt, 32-volt, 1150 speed, late design, Westinghouse light and power generators with pulley, ready to run at $48.00 each. Largest dealers in new and used motors and generators in the Northwest. Send us your inquiries. General Distributing Co., Security Storage Bldg., Duluth, Minn.

MISCELLANEOUS

Photos of Your Favorite Radio Stars. Ten cents and coupon appearing on another page of this issue will entitle you to one of the photos from Radio Digest gallery of stars. Radio Digest, 510 North Dearborn Street, Chicago.

Radio Fans—A year's subscription to Radio Digest is only three dollars. Send your order now. Fill out coupon on page 29.

PATENT ATTORNEYS

PATENT ATTORNEYS

PATENTS. Booklet free. Highest references. Best results. WATSON E. COLEMAN, Patent Lawyer, 644 G Street, Washington, D. C.

PRINTING

Copy letters and advertising from Typewritten, Mimeograph and Multigraph, less money. John H. Sullivan, Taftville, Conn. Box 5.

RADIO

600 MILE RADIO—$2.95. No tubes nor battery needed. Always ready. Fully guaranteed. 200,000 sold. No grinding. A real Radio. Sent postpaid. Order from this advertisement. Crystal Radio Co., Wichita, Kans.

Bakelite Dials—4-inch, black, set of three 50 cents. 3-inch, set of three 35 cents. Bronstein's Pharmacy, 4600 Lincoln Ave., Chicago.

Binding Posts—Complete sets of eight lettered binding posts. 25 cents a set while they last. Bronstein's Pharmacy, 4600 Lincoln Ave., Chicago.

Five tube Radio only $22.50. Seminole Radio, 427 East 16th St., New York.

REAL ESTATE

Sell your property quickly for cash, no matter where located, particulars free. Real Estate Salesman, 509 Brownell, Lincoln, Nebraska.

SALESMEN WANTED

A PAYING POSITION OPEN to representative of character. Take orders shoes-hosiery direct to wearer. Good income. Permanent. Write now. Tanners Shoe Mfg. Co., 5-707 C St., Boston, Mass.

USED COURSES

Used Correspondence courses bought, sold and exchanged. Big list free. Lee Mountain, Box 184, Pisgah, Alabama.

"BIG RABBIT"

(Continued from page 29)

can catch out of Jacksonville comes at 2:47. It will steady our nerves and pass the time if we practice shooting."

WE RACED down the river with the Jason doing more than thirty miles an hour in the short spurts when I cut loose to see how fast we might be pushed in an extremity and landed at a piece of cut over pine land, where we spent an hour getting accustomed to using the borrowed guns. I did fairly well for a novice after getting the hang of the weapons and observed with grim satisfaction that Danforth sprinkled eight shots in a few seconds within three inches of a bit of paper tacked to a tree thirty yards distant. We ran back to Palatka and lunched early.

"We might as well make up now," Danforth suggested, throwing away the cigar he had but half smoked after luncheon. "I imagine we had best be ready when Borton comes, as he probably will want rapid action. He may want the boat to start at the first possible minute. Come over to the drug store a moment; I have an idea."

Danforth made several small purchases and distributed the packages in various pockets.

"Red and blue fire and some other dope that may come in handy, he explained as he assumed a businesslike manner. "I have put a couple dozen turpentine torches in the boat and a lantern. I imagine we may need the fireworks if my theory of what Borton is planning is correct."

FOR the next hour Danforth and I were in my room making up. In spite of the seriousness of the program we laughed at each other until the tears washed grooves in the black and compelled us to retouch our faces. I was as black as Satan's pet cat with grease paint and cork and Danforth had essayed to make up as a lighter colored man because that shade went better with his bristly sandy hair. I was the turpentine camp type of negro and was arrayed in a suit of clothes procured for me by one of the porters at the hotel, to whom I explained that we were going to look over some swamp timber and did not want to spoil our better clothes. Dan was of the river type of negro and when he had completed his makeup he was beyond recognition.

Just before three o'clock an automobile raced up to the hotel and slid to a stop. Borton leaped out almost before the machine had come to a standstill and a minute or two later he burst into the room, his arms loaded with bulky but evidently not heavy packages.

"What the— what are you niggers doing in Mr. Lindsay's room?" he demanded confronting us angrily as he dropped packages to the floor and springing toward Danforth. He seized Dan by the arm and jerked him half across the room before either of us had an opportunity of explaining. I rolled upon the bed, convulsed with laughter at this proof of the excellence of our disguises. Borton, looking at me bewilderedly for an instant, realized his mistake and releasing Danforth, grinned.

"It's on me," he said, "but it is a compliment to the makeup. I suppose you are Wen's friend, Danforth," he added extending his hand, "I would have asked you to carry my grip if you had been at the station."

We laughed as they shook hands. Then Borton sobered quickly and asked:

"All ready?"

"Yes—everything we can think of."

"Let's go."

"Aren't you going to black up?" I inquired.

"No. I have my disguise here," he replied, motioning toward the packages, "I reckon it will be the queerest you ever saw, Mr. Danforth," he added, turning to the detective. "I know from what Wen tells me that you will go through with whatever comes, but I want to warn you before we start that this is desperate business and that, if we are caught—"

He did not complete the sentence as Danforth, drollingly dropping into his character, remarked;

"Ah reckon ah'll be dar, boss."

"GOOD," Borton ejaculated earnestly shaking hands again, "let's start. We must get to the place, or near it by dark, by a little after seven thirty at the latest, or we may be too late."

"How far?" I inquired.

"Don't know. Maybe forty miles, maybe fifty, depending on the curves in the river. It twists like a crippled snake. Ever been up the Ocklawaha?" he turned the question toward Danforth.

"Once, on a pleasure trip. I remember parts of it well."

"That's lucky. I know the lay of the land—which is mostly water—when we get close to the place we are going, but nothing at all about the lower river, excepting the parts of it I swam."

Fearing to attract attention we slipped out the side door of the hotel and formed a strange procession as we started for the river. Five minutes later we had stowed the new packages in the boat and shoved off from the dock.

I twirled the wheel twice, the splutter of rapidly exploding gasoline filled the quiet reaches of the river as the Jason shot out from the dock, carved a rainbow in the water and with the engine picking up speed steadily the knife like prow carved the placid surface until two thin sheets of spray were thrown higher than the rail as we tore under the center span of the railroad bridge and raced southward up the St. Johns.

Continue on through the tropical jungle with these brave men who seek the Big Rabbit, a beast far more terrible than any creature of the African wilds. In his mysterious power is the beautiful Roberta. The men have determined to kill her if they can not effect her rescue. They near the end of the trail in the next installment.

(Copyright 1926 by Hugh Fullerton. All rights reserved.)

A "RADEX" Tuning Chart

Shows by dial numbers, wave length to which set is tuned. Tells where to place dials for any station. Identifies programs received without announcement.

Adapted to any set

Send 25c Coin or Stamps

RADEX, Box 143-S, CLEVELAND, O.

We have a few hundred nationally known loud speakers which retail at $12.00. Bell 12 in. diameter 25 in. high.

$5.00

LOUD - CLEAR - MELLOW

Each Speaker Guaranteed

Send only $5 Exp. or Postal Money Order.

We pay all express charges

AETNA RADIO CO., 33 East End Ave. New York, N. Y.

RADIO USERS!

A fully guaranteed storage battery charger for A and B batteries. Made in two sizes, single, $1.75, and double, $3.00. If, within 6 days from date of receipt, you are not satisfied, return charger and your money will be refunded. Sent C. O. D. or on receipt of money order.

ELECTRIC RADIO CO., West Branch, Mich.

6-Volt Storage Radio "A" Battery

$5.00 C.O.D. Send No Money

Most amazing battery value ever offered! A genuine World 6-Volt Radio "A" Battery with 25 ampere capacity for only $5.00! Just the thing for Trickle Charger. Famous World Quality assured. Equipped with

Solid Rubber Case

an assurance against acid and leakage. *Order Now.* We ship same day—by express C. O. D. subject to your examination on arrival. *Extra Offer:* 5% discount for cash in full with order. ACT TODAY!

World STORAGE BATTERIES

KDKA WEAF WGN WJS KHJ KGO KFAF WJY KOP

WORLD BATTERY CO. Dept. 148, 1219 S. Wabash Ave., Chicago

A & B Battery Charger ONLY $2

Satisfaction Guaranteed

Charges any type of storage A or B battery, using a few cents worth of ordinary house current, either alternating or direct. Cannot injure battery. Tested and approved by Radio News Laboratories. Complete directions enclosed. Anyone can operate. No expensive "extras" to buy.

Why pay $10.00 to $15.00 for a charger when you can get this splendid GUARANTEED R. B. Charger by mailing us two dollars (bills, money order, check or stamps) plus ten cents in stamps or coin to pay mailing costs. Charger will be sent postpaid. If you are not satisfied, return within five days and we will refund your money. Order at once—TODAY.

R. B. SPECIALTY COMPANY
Dept. A-18, 308 East Third Street, Cincinnati, Ohio

Yale "The Perfect Ground" GROUND HOG DOUBLES POWER AND DISTANCE

Marvelous newly-invented ground gives 100% improved reception. Doubles power and distance. Stops leakage. Reduces static. Stops jangling even in mid-summer. Results never before equalled, users say. Satisfaction Guaranteed.

Proven absolutely essential to clear, powerful distance reception. Draws and holds moisture indefinitely. Highly sensitive to radio energy.

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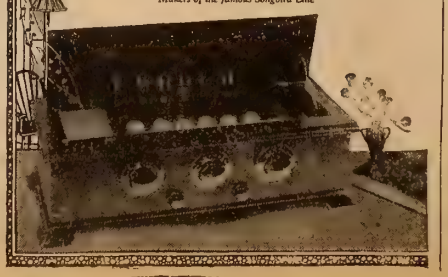

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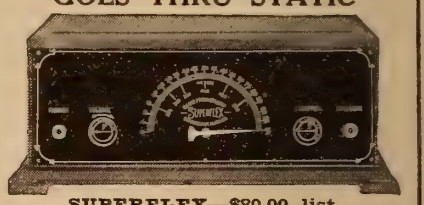

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Radiophone Broadcasting Stations

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ONE DOLLAR will be paid to the Radio fan reader of Radio Digest submitting the most errors in any one station's listing in the Directory of Radiophone Stations, which appears in six parts, serially continuously on the next to last page. Letters must reach Radio Digest's office not later than one week from date of issue corrected. Readers are not limited to correcting one station, but such corrections must be verified by the stations themselves, and NOT by comparison to other so-called accurate Radio directories or lists. Verifications must accompany corrections. Turn in corrections for as many stations as you can find—if you can find errors! Use separate sheet of paper for each station submitted and place name and address on each sheet. In case of tie, duplicate awards will be made.

United States (Cont'd)

(Note—The second part of the schedule list appears below. The first appeared last issue.)

KMOX, St. Louis, Mo. 280.2m-1070kc. The Voice of St. Louis. Announcer, George Junkin. Daily ex Sun, Thurs, 9:40 am, markets; 12:30 pm, organ; 3, 4, 6-11:30, music. Thurs, 9:40 am, 12:30 pm, 3, 4. Sun, 9 pm. Central.

KMTR, Los Angeles, Calif. 238m-1260kc. 500 watts. K. M. Turner Radio Corp.

KNRC, Los Angeles, Calif. 208.2m-1440kc. 250 watts. Kierulff & Ravenscroft Co. Announcer, Allan Fairchild. Mon, 12-3 pm; 7-10. Tues, Fri, 7-10 pm. Wed, 6-10:30 pm. Thur, 2-3 pm; 7-10. Sat, 7-11:30 pm. Pacific.

KNX, Hollywood, Calif. 336.9m-890kc. 500 watts. Los Angeles Evening Express. Announcer, "Town Crier." Daily ex Sun, 7:30 am, exercises; 8, prayer; 8:55, time; 9, news; 10, Town Crier; 10:30, economics; 1:30 pm, book talk; 2-4, 4:55, markets; 5, children's half-hour; 5:30, music; 6, Town Tattler; 6:15, travel talk; 6:30, dinner music. Mon, Wed, Fri, 7-12 mid. Tues, Thurs, 7-11 pm. Sat, 7-2 am. Sun, 10-12:30 pm. church service; 12:45-1:45, 2-4, 6::30-7, 8-9, 9-10:30. Pacific.

KOA, Denver, Colo. 322.4m-930kc. 5,000 watts. General Elec. Co. Daily ex. Sun, 11:45 am, weather, road reports, markets; Daily ex Sat, Sun, produce. Daily ex Sun, 12:15 pm, organ. Tues, Thurs, Fri, 3:15 pm, relaxing exercises, matinee for housewives, culinary hints, fashion review. Daily ex Sat, Sun, 6 pm, stocks, markets, produce, news bulletins; 6:30 pm, dinner concert. Mon, 7:30 pm, Sandman's hour. Tues, farm question box. Wed, Book of Knowledge. Thurs, dinner concert. Fri, Sunday school lesson. Mon, Wed, Fri, 8 pm, orchestra; 8:15 pm, regular program. Wed, 10 pm, dance program. Sat, 9 pm. Sun, 10:30 am, and 7:30 pm, service; 5 pm, music. Mountain.

KOAC, Corvallis, Ore. 280.2m-1070kc. 500 watts. Oregon Agricultural College.

KOB, State College, N. M. 348.6m-860kc. 1,000 watts. N. M. College of Agri. & Mech. Arts. Announcer, Robert Stewart. Slogan, "The Sunshine State of America." Daily 11:55-12:30 pm, time, weather, road reports, news; 9:55-10:10, time; weather, road reports. Mon, Fri, 7:30-8:30 pm. Mountain.

KOCH, Omaha, Nebr. 258.5m-1160kc. 250 watts. Central H. S. Announcer, C. H. Thompson. Mon, Tues, Thurs, 8:30-10 pm. Sat, 12 midnight. Sun, 3:30 pm. Central.

KOCW, Chickasha, Okla. 252m-1190kc. 200 watts. Okla. College for Women. Tues, Thurs, 8 pm, music. Wed, 10 am, chapel. Central.

KOIL, Council Bluffs, Iowa. 277.6m-1080kc. 500 watts. Mona Motor Oil Co. Announcer, Howard Martin. Mon, 6-12 mid. Tues, Thurs, Fri, 6-9 pm; Sat, 6-9 pm; 11-1 am. Fri, 11-12. Sun, 11-12 noon; 1-2 pm, 4-5, 7-9, 11-12. Central.

KOIN, Portland, Ore. 212.6m-1410kc. 750 watts. H. B. Read Incorp. Announcer, H. B. Read. Slogan, "Hood River Apples from Portland, Ore." Mon, Thurs, Fri, 8 pm. Tues, 5 pm. Wed, 8:10 pm, 8:30. Sun, 7:51-8 pm, 9. Pacific.

KOMO, Seattle, Wash. 305.9m-980kc. 1000 watts. Bert F. Fisher. Tues, 7-8 pm, 8-9. Wed, 8-9 pm, 9-10. Fri, 7-8 pm, 9-10, 10:15-12. Sun, 1-2 pm, 9:10-10:10, church service. Pacific.

KOWW, Walla Walla, Wash. 256.3m-1170kc. 500 watts. Blue Mt. Radio Association. Slogan, "The Valley They Liked So Well They Named It Twice." Daily ex Sun, Thurs, 7-7:30 pm; 8-12. Thurs, 7-7:30 pm; 8-11:30. Pacific.

KPO, San Francisco, Calif. 428.3m-700kc. 1,000 watts. Hale Bros., and the Chronicle. Announcer, Clair E. Morrison. Slogan, "The Voice of San Francisco, The City by the Golden Gate." Daily ex Sun, 7-7:30 am, 8, daily dozen; 10:30 am, amusement service; 12 noon, time, scriptures. Daily ex Sun, Fri, 1-7:30, music, markets. Mon, Tues, Wed, Thurs, Fri, 8-11 pm, entertainment. Tues, Wed, Thurs, 10:35 am, markets. Wed, 3:30 pm, style talk. Fri, 12:45 pm, luncheon; 5:30-7:30 pm. Sat, 8-12 midnight. Sun, 9:45 am, service; 5-6 pm, organ; 6-6:30, orchestra; 6:35-10, music. Pacific.

KPPC, Pasadena, Calif. 228.9m-1310kc. 50 watts. Pasadena Presbyterian church. Announcer, G. Anton Pohlman. Wed, 7:15-9 pm; Sun, 10:30-12:30 pm; 6:45-9. Pacific.

KPRC, Houston, Texas. 296.9m-1010kc. 750 watts. Houston Post-Dispatch. Slogan, "Kotton Port Rail Center." Announcer, Alfred P. Daniel. Daily ex Sun, 10:55 am, time; 11, weather, farm news; 12 noon, entertainment. Daily ex Sat, Sun, Fri, 5:30 pm, Uncle Judd's kiddies' hour; 7:30-9:30, concert. Wed, 6:30 pm, 12 midnight. Sat, 7:30-12 mid. Sun, 10:45 am, 8 pm, services; 9:30-12, music. Central.

KPSN, Pasadena, Calif. 315.6m-950kc. 1,000 watts. Pasadena Star-News. Tues, Thurs, 8-9 pm. Sat, 8-9 pm. 9-10. Sun, 11-12:30 am; 8:45-9:45. Pacific.

KQV, Pittsburgh, Pa. 275.1m-1090kc. 500 watts. Doubleday-Hill Elec. Co. Daily ex Sat, Sun, 10:30 am, music; 3, music. Sat, 10:30 am; 3 pm. Eastern.

KQW, San Jose, Calif. 230.6m-1300kc. 500 watts. First Baptist church.

KRE, Berkeley, Calif. 256.3m-1170kc. 150 watts. Daily Gazette. Announcer, D. L. Black. Daily ex Sun, 7:30 am, 11:15, 5:30 pm. Mon, 8-10 pm. Tues, 9-11 pm. Thurs, 8-10 pm, 10-11. Fri, 9-12 midnight. Sat, 8-1 am, dance program. Sun, 10-11 am, church; 6:30-7:30 pm; 8-9. Pacific.

KSAC, Manhattan, Kan. 340.7m-880kc. 500 watts. Kansas State Agricultural College. Announcer, George Gemmell. Daily ex Sat, Sun, 9-10 am, 9:55, 12:35 pm, 4:30, 6:30. Sat, 12:35 pm. Central.

KSD, St. Louis, Mo. 545.1m-550kc. 500 watts. St. Louis Post-Dispatch. Daily ex Sun, 8:40 am, 9:40, 10:40, 11:40, 12:40 pm, 1:40, 2:40, 3:40. Mon, 8, 9, 10. Tues, 6-7 pm, 8. Wed, 6-8 pm. Fri, 6-9:30 pm. 7:30, 8, 9, 10. Sat, 7 pm, 8:30, 9:30. Thurs, 6-9:30 pm. Sun, 5:15 pm; 7:15. Central.

KSL, Salt Lake City, Utah. 299.8m-1000kc. 1,000 watts. Radio Service Corp. of Utah. Announcer, Charles H. Hays. Daily ex Sun, 7:30 pm. Mon, Wed, 7:30 am, 7:45, 8. Mon, 6:30 pm, 7:15, 7:30, 8, 8:30. Tues, 7 pm, 7:15, 7:30, 8, 9. Wed, 10 am, 6:15 pm, 6:30, 7, 7:30, 8:30, 9:30. Thurs, 7 pm, 7:30, 8, 8:30. Fri, 7:15 am, 10, 6:30 pm, 7:15, 7:30, 8, 9. Sat, 7:15 pm, 7:30, 10. Sun, 11 am, 3 pm, 5, 7:30, 9, 10. Mountain.

KSMR, Santa Maria, Calif. 209.7m-1430kc. 100 watts. Santa Maria Valley Railroad Company.

KSO, Clarinda, Iowa. 241.8m-1240kc. 500 watts. A. A. Berry Seed Co. Announcer, Henry Anderson. Slogan, "Keep Serving Others." Daily ex Sat, Sun, 12 n, talks; 12:30-1:15 pm, 7-9. Central.

KTAB, Oakland, Calif. 239.9m-1250kc. 1,000 watts. The Associated Broadcasters. Daily ex Sun, 9-9:30 am, prayer service; 12-1 pm. Daily ex Sat, 8-10 pm. Sun, 10 am, 11; 7:45 pm, 9:30-11. Pacific.

KTBI, Los Angeles, Calif. 293.9m-1020kc. 750 watts. Bible Inst. of Los Angeles. Announcer, M. E. Carrier. Daily ex Sun, 8:30 am, 2 pm, 7:15-9:30. Sun, 10:45 am, 6 pm, 7:15, 9:30. Pacific.

KTBR, Portland, Ore. 263m-1140kc. 50 watts. Brown's Radio Shop. Pacific.

KTHS, Hot Springs National Park, Ark. 374.8m-800kc. 1000 watts. The New Arlington hotel. Announcer G. C. Arnoux. Slogan, "Kum to Hot Springs." Mon, Wed, Thurs, 12:30-1 pm, markets, weather, music. Fri, 12:30-1:30 pm, Farmers' Radio Chautauqua. Sat, 12:30-1:20 pm, boy's talk, Bible class, music, weather, markets. Daily, 9-11:30 pm, concerts. Sun, 11-12:15 pm, church services; 9-10 pm, classics; 10-11:30 pm, Arkansas Traveler frolic. Central.

KTNT, Muscatine, Iowa. 256m-1170kc. 500 watts. Tangley Calliaphone company. Announcer, Marvin Lueke. Slogan, "The Homefolks' Station." Daily ex Sun, 11-12, 12-12:30 pm, Calliaphone concert. Daily ex Sat, Sun, 6:45-7:45 pm, painting lessons. Daily ex Sat, 9-10:30 pm, music. Sun, 9-10 pm, "Homefolks' Hour." Central.

KTW, Seattle, Wash. 454.3m-660kc. 1500 watts. First Presbyterian church. Announcer, J. G. Priestly. Slogan, "Hear Ye, Hear Ye, the Gospel." Sun, 11-12:30 pm, 3-4:30, 7-9:30, church service. Pacific.

KUOA, Fayetteville, Ark. 299.8m-1000kc. 750 watts. University of Arkansas. Mon, 7:30 pm. Tues, Thurs, 8 pm. Central.

KUOM, Missoula, Mont. 243.8m-1230kc. 500 watts. University of Montana. Daily ex Sun, 6:30 pm. Mon, Thurs, 8 pm. Sun, 9:15 pm. Mountain.

KUSD, Vermillion, S. D. 277.6m-1080kc. 100 watts. University of South Dakota. Announcer, Sidney Lawton. Slogan, "South Dakota University for South Dakotans." Wed, 8-9:30 pm. Central.

KUT, Austin, Texas. 230.6m-1300kc. 500 watts. University of Texas. Announcer, Orlando J. Murphy. Mon, Wed, 8 pm. Sun, 11 am, 3:30 pm. Central.

KVOO, Bristow, Okla. 374.8m-800kc. 500 watts. Slogan, "Voice of Oklahoma." Daily ex Sun, 7-9 am; 11:30-12:30 n; 3-4 pm; 6-9; 12. Central.

KWCR, Cedar Rapids, Iowa. 277.6m-1080kc. 500 watts. Announcer, H. F. Paar. Slogan, "The Voice of Cedar Rapids. Mon, Wed, Sat, 4:15-5 pm, 9-10:30. Mon, 10:45 pm. Sun, 11 am, 5:15-5:45, 5:45-6:30. Central.

KWG, Stockton, Calif. 247.8m-1210kc. 50 watts. Portable Wireless Telephone Co. Announcer, Cecil T. White. Slogan, "Voice of the San Joaquin Valley." Dail ex Sun, 4-5 pm, news, concert, markets. Tues, Wed, Fri, 8-9 pm, concert. Sun, 6-7 pm, service. Pacific.

KWKC, Kansas City, Mo. 236.1m-1270kc. 100 watts. Wilson Duncan Studios. Slogan, "Keep Watching Kansas City." Tues, Wed, Thurs, Fri, 7 pm, 9. Central.

KWKH, Shreveport, La. 260.1m-1150kc. 500 watts. W. G. Patterson, Henderson Iron Works & Supply Co. Announcer, W. G. Patterson. Mon, 8-9:30 pm, music. Tues, Sat, 9-12 midnight. Thurs, 8-9:30 pm. Sat, 9-12, dance. Sun, 9:30-10:30 am, music; 11-12 m, 5-6 pm, 7:30-9. Central.

KWSC, Pullman, Wash. 348.6m-860kc. 500 watts. State College of Washington. Announcer, Phil Hitchcock. Mon, Wed, Fri, 7:15-9 pm, music. Pacific.

KWUC, Le Mars, Iowa. 252m-1190kc. 50 watts. Western Union College. Announcer, Rex Frolkey. Slogan, "The Best Fifty Watt Station on the Air." Mon, Wed, Fri, 7:30-9 pm. Sun, 3-4 pm. Central.

KWWG, Brownsville, Texas. 277.6m-1080kc. 500 watts. Brownsville Chamber of Commerce. Slogan, "Kum to the World's Winter Garden." Daily ex Sun, 12 m, 6 pm. Mon, Thurs, 8:30-11:59 pm. Sun, 2:30 pm. Central.

KYW, Chicago, Ill. 535.4m-560kc. 3,500 watts. Westinghouse Elec. & Mfg. Co. Daily 11 am, time, weather. Daily ex Sun, 11:35-11:55 am, home hour; 12-2 pm; 2:30-4, frolic; 4-4:15, World Crier; 5:45-6, markets; 6-6:15, KDKA; 6:30-7, music; 7-7:30, bedtime story. Daily ex Sun, Mon, 11, time, weather; 11-12, Mon, Thurs, Fri, 4:15-4:30 pm, Fri, 4:30-5 pm. Tues, Wed, Thurs, Sat, 7:30-8 pm; 8-9. Tues, Thurs, Fri, Sat, 9-10 pm. Tues, Wed, Thurs, Fri, 10-11 pm. Sat, 12-1 pm. Sun, 11:35 am, Central church; 2:30-3:30 pm, chapel; 4:30-5:30, concert; 7, Sunday Evening club; 9:30-11, music. Central.

KZIB, Manila, P. I. 249.9m-1200kc. I. Beck, Inc.

KZM, Oakland, Calif. 239.9m-1250kc. 100 watts. Western Radio Institute (Hotel Oakland). Announcer, Elbert Cowan. Daily ex Sun, 6:30-7 pm, orchestra. Pacific.

KZRQ, Manila, P. I. 222m-1350kc. 500 watts. Radio Corporation of the Philippines. Slogan, "Radio Manila."

KZUY, Baguio, P. I. 360m-833kc. 500 watts. F. Johnson slser.

NAA, Radio, Va. 434.5m-690kc. 1,000 watts. United States Navy Dept. Daily ex Sun, 10:05-10:20 am, 11:55, time; 3:45-4 pm, 9:55, 10:05-10:20. Tues, 2:45-3 pm. Tues, Thurs, 6:45-7 pm. Mon, Tues, Wed, Thurs, 7:25-8 pm. Mon, Tues, 8:05-8:20 pm; Mon, 8:25 pm. Wed, Fri, 8:45-9:40 pm. Eastern.

WAAD, Cincinnati, Ohio. 258.5m-1160kc. 25 watts. Ohio Mechanics Institute. Sat, 9:45 pm. Central daylight.

WAAF, Chicago, Ill. 277.6m-1080kc. 200 watts. Chicago Daily Drovers Journal. Announcer, Carl Ulrich. Daily ex Sun, 8:45 am, 10:50, 11, 12:50 pm. Daily ex Sun, Sat, 3 pm, 4:30, live stock and weather reports. Central.

WAAM, Newark, N. J. 263m-1140kc. 500 watts. Warner Theater. Announcer, H. E. Beaver. Daily ex Sun, 11 am. Daily ex Thurs, Sun, 6-11 pm. Thurs, 6-7:45 pm. sun, 11 am. Eastern daylight.

WAAW, Omaha, Nebr. 384.4m-780kc. 500 watts. Omaha Grain Exchange. Slogan, "Where Agriculture Accumulates Wealth." Daily ex Sun, 8:30 am; 8:45; 9:15; 9:45; 10:15; 10:45; 11:15; 11:45; 12:15; 1 pm. 277.6m-1080kc, Tues, Thurs, Sat, 8-9 pm. Central.

WABB, Harrisburg, Pa. 204m-1470kc. Harrisburg Radio Co.

WABC, Asheville, N. C. 254.1m-1180kc. 20 watts. Asheville Battery Co., Inc.

WABI, Bangor, Me. 239.9m-1250kc. 100 watts. First Universalist church.

WABO, Rochester, N. Y. 277.6m-1080kc. 100 watts. Lake Avenue Baptist church. Announcer, Morse Clark. Sun, 10:15-12 noon, 7:15-9 pm. Eastern.

WABQ, Haverford, Pa. 260.7m-1150kc. 100-1000 watts. Haverford College Radio club. Announcer, Donald Wood Richie. Mon, 7:30-9:15 pm. Fri, 8-9:30 pm. Mon, Fri, 11-12:30 am, organ. Eastern.

WABR, Toledo, Ohio. 263m-1140kc. 50 watts. Scott High School. Daily, 9:15 am, garden talk. Central.

WABW, Wooster, Ohio. 206.8m-1450kc. 50 watts. The College of Wooster, Dept. of Physics. Announcer, Frank C. Isely. Daily ex Sat, Sun, 9:30-10 am. Central.

WABX, Mt. Clemens, Mich. 245.8m-1220kc. 500 watts. Henry B. Joy.

WABY, Philadelphia, Pa. 241.8m-1240kc. 50 watts. John Magaldi, Jr. Slogan, "Quaker City Sleep Dodgers." Club, "The American Broadcasting Club." Sun, 9 pm, music; 10:30, "Sleep Dodgers' Session." Eastern daylight.

WABZ, New Orleans, La. 275.1m-1090kc. 50 watts. The Coliseum Place Baptist church. Announcer, V. W. Bradbury. Slogan, "The Station with a Message." Sun, 11-12:15 pm, 7:30-8:45, church service. Central.

WADC, Akron, Ohio. 258.5m-1160kc. 500 watts. Allen Theater Broadcasting Station. Daily ex Sun, 11-12 noon, 6:30-7:30 pm. Mon, 1-3 am. Tues, Fri, 8-11 pm. Thurs, 9:30-11 pm. Sun, 12:30-1:30 pm, 6:30-7:30. Eastern.

WAFD, Port Huron, Mich. 275.1m-1090kc. 500 watts. Albert B. Parfet Co. Announcer, Stanley G. Smith. Slogan, "Gateway to the Great Lakes." Mon, 8-12 mid. Wed, Fri, 8-10 pm. Sat, 12 mid. Sun, 10:30 am; 7:30 pm. Eastern.

WAGM, Royal Oak, Mich. 225.4m-1330kc. 50 watts. Robert L. Miller. Mon, 8-12:30 am. Wed, Fri, 8-10:30 pm. Central.

WAHG, Richmond Hill, N. Y. 315.6m-950kc. 500 watts. A. H. Grebe & Co. Slogan, "Wait and Hear Grebe." Daily ex Sun, 12-1:30 pm. Mon, Wed, Fri, 7:30-11:30 pm, 12-2 am. Sat. 12-2 am. Eastern daylight.

WAIT, Taunton, Mass. 228.9m-1310kc. 10 watts. A. H. Waite & Co., Inc.

WAIU, Columbus, Ohio. 293.9m-1020kc. 500 watts. American Insurance Union. Announcer, Roy Snouffer. Daily ex Sun, Sat, 10-11 am. Daily ex Sun, 11:55 am, time; 12-1 pm, news, markets, weather. Mon, 10-11 am, 6-7 pm, 8-9:30, 10:30-11:30. Tues, 6-7 pm, 11-12. Wed, 10-11 am, 6-7 pm. Thurs, 6-7 pm. Fri, 10-11 am, 6-7 pm, 8-9:30, 10:30-12. Sat, 9:15-11 pm. Sun, 3-4 pm. Eastern.

WAMD, Minneapolis, Minn. 243.8m-1230kc. 1,000 watts. Radisson Radio Corporation. Slogan, "The Call of the North." Daily ex Sun, Tues, 12 m, 12:01 pm, 6:55, police alarms; 7. Mon, 1 pm, 5:45, boys' club; 7:20, program; 11. Tues, 12 n, 12:30 pm. Wed, 7:05 pm, talk; 7:10, 11. Thurs, 1 pm, 6:15, dinner concert; 7:01, 7:10. Fri, 1 pm, 7:01, 7:10, 8, 11. Sat, 1 pm, 6:15, 7:05, talk; 7:10, 11:30. Sun, 10:30 am, 2:45 pm, 6:15, 6:45, 9:30. Central.

WAPI, Auburn, Ala. 247.8m-1210kc. 1000 watts. Alabama Polytechnic Institute.

WARC, Medford Hillside, Mass. 260.7m-1150kc. 100 watts. American Radio & Research Co.

WATT, Boston, Mass. 243.8m-1230kc. 100 watts. Edison Elec. Illuminating Co.

WBAA, W. Lafayette, Ind. 272.6m-1100kc. 250 watts. Purdue university. Daily ex Sun, 9:50 am, stocks, markets, weather. Mon, Fri, 7:15 pm, special program. Central.

WBAK, Harrisburg, Pa. 275.1m-1090kc. 500 watts. Pennsylvania State Police. Announcer, A. E. Poorman. Daily ex Sun, 10 am, 1 pm, 5:45, police reports, fire protection, markets; 12 midnight, police reports. Mon, Tues, Wed, 7:30 pm, special. Eastern.

WBAL, Baltimore, Md. 245.8m-1220kc. 5000 watts. Consolidated Gas, Elec. Light & Power Co. Mon, Thurs, 6-10 pm. Tues, Fri, 6:30-10 pm. Sun, 6:30-8:30 pm. Eastern.

WBAO, Decatur, Ill. 270.1m-1110kc. 100 watts. James Millikin University. University activities. No definite schedule.

WBAP, Fort Worth, Tex. 475.9m-630kc. 1,500 watts. Fort Worth Star-Telegram. Announcer, "The Hired Hand." Club, "Radio Truth League." Daily ex Sun, 10, 11, 12 m, 1 pm, 2, 3, market reports, weather; 4, "Port of Missing Men." Mon, Tues, Thurs, Fri, Sat, 12:05-12:30 pm, 7:30-8:30, 9:30-11, concert. Mon, Thurs, Fri, 11-12 midnight. Sun, 11 am, church; 5 pm, concert; 9:30-11. Central.

WBAR, Sisiht, Wis. 270.1m-1110kc. 500 watts. Kopp Radio Co. Slogan, "The Station of Northern Wisconsin." Mon, 9-10 pm. Wed, 8-9 pm. Thurs, 7:30-8:30. Sun, 10-11 pm. Central.

WBAW, Nashville, Tenn. 241.8m-1240kc. 100 watts. First Baptist church. Announcer, Harry Stone. Sun, 7:30 pm. Central.

WBAX, Wilkes-Barre, Pa. 256.3m-1170kc. 100 watts. John H. Stenger, Jr. Slogan, "In Wyoming Valley, Home of the Anthracite."

WBBL, Richmond, Va. 228.9m-1310kc. 100 watts. Grace Covenant Presbyterian church. Announcer, Herbert C. Taylor. Tues, 8 pm. Sun, 11 am, 7:45 pm. Eastern.

WBBM, Chicago, Ill. 225.4m-1330kc. 1,500 watts. WBBM Broadcasting. Announcer, Floyd Falch. Slogan, "World's Best Broadcast Medium." Daily ex Sun, 4-6 pm. Mon, 12:02-2 pm; 4-7. Thurs, 12:02-2 am. Sun, Wed, Thurs, Fri, 8-10 pm. Tues, 8-12 mid. Sat, 8-2 am. Sun, 12:30-2 pm. Central daylight.

WBBP, Petoskey, Mich. 238m-1260kc. 200 watts. Petoskey High School. Announcer, Carl Bowman. Tues, 9-10:30 pm. Fri, 8-9:30 pm. Sun, 10:30 am, church services; 3 pm, sacred concert. Central.

WBBR, Staten Island, N. Y. City, N. Y. 272.6m-1100kc. 500 watts. International Bible Students' Association. Mon, Thurs, Sat, 8-9 pm, lectures, music. Sun, 10-12 m, 2-4 pm, 9-10:30. Eastern daylight.

WBBS, New Orleans, La. 252m-1190kc. 50 watts. First Baptist church. Slogan, "The Gospel Wave." Sun, 11 am, 7:30 pm, service. Central.

WBBW, Norfolk, Va. 222.1m-1350kc. 50 watts. Ruffner Junior High School. Announcer, Lee M. Klinefelter. Slogan, "The School You'd Like to Go To." Mon, 6:45-7:15 pm. Thurs, 6:45-7:15 pm; 9:30-10:30. Eastern.

WBBY, Charleston, S. C. 267.7m-1120kc. 10 watts. Washington Light Infantry. Announcer, Hugh Easterly. Eastern.

WBBZ, Chicago, Ill. 215.7m-1390kc. 50 watts. C. L. Carrell.

WBCN, Chicago, Ill. 225.4m-1330kc. 500 watts. Southtown Economist. Announcer, J. R. Foster. Slogan, "World's Best Community Newspaper." Daily ex Sun, 9:45-11 am, home service; 12-1 pm, Mid-day concert; 3-6, tea time matinee. Daily ex Sat, Sun, 5-5:15 pm, police bulletins. Daily ex Sun, Mon, 7-8 pm. Tues, Wed, Fri, Sat, 10-12 pm. Tues, 12-2:30 am, Pirate Ship. Thurs, 10-1 am. Sun, 10:30-12:15 pm, church service; 4-6 pm, concert; 7:45-9:15, church service. Central daylight.

WBDC, Grand Rapids, Mich. 256.3m-1170kc. 500 watts. Baxter Laundry and Dry Cleaning Co. Announcer, Richard Smith.

WBES, Takoma Park, Md. 222.1m-1350kc. 100 watts. Bliss Elec. School. Thurs, 6:30-7 pm. Eastern.

WBNY, New York, N. Y. 209.7m-1430kc. Shirley Katz. Daily ex Sat, Sun, 7-11 pm. Sun, 2:30 pm; 6. Eastern daylight.

WBOQ, Richmond Hill, N. Y. 236.1m-1270kc. 500 watts. A. H. Grebe & Co., Inc.

WBRC, Birmingham, Ala. 247.8m-1210kc. 50 watts. Bell Radio Corporation. Slogan, "The Biggest Little Station in the World." Mon, Wed, 8 pm. Sat, 9-12 midnight. Central.

WBRE, Wilkes-Barre, Pa. 230.6m-1300kc. 100 watts. Baltimore Radio Exchange. Wed, Fri, Sun, 8:30-11:30 pm. Eastern.

WBT, Charlotte, N. C. 275.1m-1090kc. 250 watts. Charlotte Chamber of Commerce.

WBZ, Springfield, Mass. 333.1m-900kc. 2,000 watts. Westinghouse Elec. & Mfg. Co. Announcer, A. E. Bach. Daily ex Sun, 6-8 pm, music, markets; 8-10:15, music. Sun, 8 pm, organ; 8:30, concert. Eastern.

WCAC, Storrs, Conn. 275.1m-1090kc. 500 watts. Connecticut Agricultural College. Announcer, Daniel E. Noble. Slogan, "From the Nutmeg State." Mon, Wed, Fri, 8-9 pm. Eastern.

WCAD, Canton, N. Y. 263m-1140kc. 250 watts. St. Lawrence University. Announcer, Ward C. Priest. Slogan, "The Voice of the North Country." Daily, 11 am, weather, reports, talks, time. Thurs, Fri, 7:30-12 midnight, from WGY on 1,560 meters. Wed, 8 pm. Eastern.

WCAE, Pittsburgh, Pa. 461.3m-650kc. 500 watts. Pittsburgh Press, Kaufmann and Baer Co. Announcer, Joseph Startory. Daily ex Sun, 12:30 pm, news; 4:30, reports; 6:30, music; 7:30, Sunshine Girl. Mon, 7:15 pm, police reports; 8:30, 9, 11. Tues, 7.45 pm, 8, 8:30, 9, 10, 11. Wed, 7:45 pm, 8.30, 9, 10. Thurs, 8 pm, 9, 10. Fri, 7:50 pm, 8:30, 10. Sat, 7:45 pm, 8, 8:15, 8:30. Sun, 10:45 am, 4 pm, 6:30, 7:20, 9:15. Eastern daylight.

WCAJ, University Place, Nebr. 254.1m-1180kc. 500 watts. Nebraska Wesleyan University. Announcer, J. C. Jensen. Daily, 4:30 pm, weather, news. Wed, 8 pm. Fri, 7 pm. Central.

WCAL, Northfield, Minn. 336.9m-890kc. 500 watts. Dept. of Physics, St. Olaf College. Announcer, Hector Skifter. Slogan, "The College on the Hill." Daily ex Sun, Thurs, 9:45 am, chapel. Mon, Fri, 8:30 pm. Thurs, 7 pm, music. Fri, 7:30 pm. Sun, 8:30 am, sermon, music; 9:15 pm. Central.

WCAO, Baltimore, Md. 275.1m-1090kc. 100 watts. Albert A. and A. Stanley Brager. Announcer, R. E. Brunner. Slogan, "The People's Store." Mon, Wed, Fri, 6:30-8 pm, dinner music; 8-9:30, 9:30-11. Eastern.

WCAP, Washington, D. C. 468.5m-640kc. 500 watts Chesapeake & Potomac Tel. Co. Announcer, O. P Gascoigne. Mon, 7-11:30 pm. Wed, 6-11 pm. Fri, 6-12 pm. Sun, 11 am, 4 pm, 6:20, vespers; 7:20-10:15. Eastern.

WCAR, San Antonio, Tex. 263m-1140kc. 500 watts. Southern Radio Corporation of Texas. Announcer J. H. Dreyer. Daily ex Sun, 8-10 pm. Central.

WCAT, Rapid City, S. D. 239.9m-1250kc. 50 watts South Dakota State School of Mines. Announcer, J. O. Kammerman. Daily ex Sun, 9:30 am, 12:30 pm, weather, reports. Thurs, 7:30 pm, concert. Mountain.

WCAU, Philadelphia, Pa. 277.6m-1080kc. 500 watts. Universal Broadcasting Co. Announcer, Stan Lee. Slogan, "Where Cheer Awaits U." Mon, 7:30-12 midnight. Tues, 6:45-12 midnight. Wed, 6:45-1 am. Thurs, 6:30-12 midnight. Fri, 6:45-12:30 am. Sun, 11 am, 5-11 pm, 5-9:30. Eastern daylight.

WCAX, Burlington, Vt. 252m-1190kc. 100 watts. University of Vermont. Slogan, "The Voice of the Green Mountains." Fri, 7-8 pm. Eastern.

WCBA, Allentown, Pa. 254.1m-1180kc. 15 watts. Queen City Radio station. Wed, 8:15-11 pm. Fri, 6:45-7:45 pm, bedtime stories, Bible lessons. Sat, 9:30-11 pm, dance music. Sun, 10 am, 5:30 pm, 7, church service. Eastern.

WCBD, Zion, Ill. 344.6m-870kc. 5,000 watts. Wilbur Glenn Voliva. Announcer, J. H. DePew. Slogan, "Where God Rules, Man Prospers." Tues, Thurs, 8-10:30 pm, concert. Wed, 12:30-1 pm, organ. Thurs, 2:30-3:45 pm, service. Sun, 9-10:45 am, Bible school; 2:30-6 pm, church services; 8-10:30 pm. Central daylight.

WCBE, New Orleans, La. 263m-1140kc. 5 watts. Uhalt Brothers Radio Co. Announcer, Joe Uhalt. Slogan, "Second Port U. S. A." Daily ex Sun, 10:30-11:30 am. Daily, 7:30-8:30 pm, dance. Sun, 12:30-2 pm, dinner concert; 9, dance music. Central.

WCBH, Oxford, Miss. 241.8m-1240kc. 50 watts. University of Mississippi. Announcer, J. T. Wallace. Tues, Thurs, Sat, 9 pm. Central.

WCBM, Baltimore, Md. 228.9m-1310kc. 50 watts. Hotel Chateau. Announcer, Harry J. Dobe. Mon, 10-1 am. Thurs, 10-1 am. Sun, 9:45-11:30 pm. Eastern.

WCBR, Providence, R. I. 209.7m-1430kc. 100 watts. Charles H. Messter. (Portable.)

WCCO, Minneapolis-St. Paul, Minn. 416.4m-720kc. 5,000 watts. Washburn-Crosby Co. Announcer, Paul Johnson. Slogan, "Service to the Northwest." Daily ex Sun, 8:45 am, markets; 9:30, 9:35, 9:45, 10:30, markets. Mon, Wed, Fri, 10:45 am, home service. Daily ex Sun, 1 pm, 4, 10. Daily ex Sat, Sun, 2 pm, 2:05, 4:05, 5:45, 5:55. Daily ex Sun, Thurs, 2:30 pm, Mon, 12 n, 5:15 pm, 6:15, 7:45, 8, 9. Tues, 12:15 pm, 5:15, 6-8, 8, 8:30, 9:30, 10:05. Wed, 5:15 pm, 6-8, 8, 9, 10, 10:05. Thurs, 12 n, 6:15 pm, 7-9, 9. Fri, 12:15 pm, 5:15, 6:15, 7:45, 8, 8:30, 10:05. Sat, 6:15 pm, 8, 8:15, 10:05. Sun, 10:50 am; 3 pm, 4:10, 5:50, 7:15, WEAF; 9:25, baseball, weather; 9:30, organ. Central.

WCLO, Camp Lake, Wis. 230.6m-1300kc. 50 watts. C. E. Whitmore.

WCLS, Joliet, Ill. 214.2m-1400kc. 150 watts. Harold M. Couch. Slogan, "Will County's Largest Store." Tues, 7-9 pm. Wed, Fri, Sat, 9-12 midnight. Thurs, 7-8:30 pm. Sun, 11-12:30 pm. Central.

WCOA, Pensacola, Fla. 222m-1350kc. 250 watts. Municipal Broadcasting Station. Announcer, John E. Frenkel. Slogan, "Wonderful City of Advantages." Daily 7 pm. Central.

WCSH, Portland, Me. 256.3m-1170kc. 500 watts. Congress Square hotel.

WCSO, Springfield, Ohio. 247.8m-1210kc. 100 watts. Wittenberg College. Announcer, Lester Crowl.

WCWS, Pawtucket, R. I. 209.7m-1430kc. 100 watts. Charles William Selen.

WCX, Detroit, Mich. 516.9m-580kc. 5,000 watts. The Detroit Free Press. Club, "Red Apple Club." Daily ex Sun, 4 pm, news, stock reports, weather, markets; 6, dinner concert; 8. Tues, 10-2 pm, club. Fri, 10-11 pm, dance. Sun, 7:15 pm, M. E. church. Eastern.

WDAD, Nashville, Tenn. 225.4m-1330kc. 150 watts. Dad's Auto Accessories, Inc. Announcer, L. N. Smith. Slogan, "The Athens of the South." Daily ex Sun, 3:30-5 pm, 8-10. Sun, 3-5 pm. Central.

WDAE, Tampa, Fla. 272.6m-1100kc. 250 watts. Tampa Daily Times. Announcer, Tod H. Megargle. Slogan, "Away Down South in the Sunshine State." Daily ex Sun, 9-2 am. Sun, 7:30-9:30 pm. Eastern.

WDAF, Kansas City, Mo. 365.6m-820kc. 1,000 watts. Kansas City Star. Announcer, H. Dean Fitzer. Club, "Nighthawks." Daily ex Sun, 3:30 pm, 4, 4:30, 5, 6, baseball, music. Daily ex Sun, 6-7 pm, markets, weather, music; 11:45, Nighthawks. Mon, Wed, Fri Sat, 8-10 pm. Mon, Wed, Fri, 10:45 am, home service talk. Sun, 3-4 pm. 4-4:45. Central.

WDAG, Amarillo, Tex. 263m-1140kc. 100 watts. J. Laurence Martin. Slogan, "Where Dollars Always Grow." Daily ex Sun, 12:45 pm, 9. Sun, 2:15 pm. Central.

WDAH, El Paso, Tex. 267.7m-1120kc. 50 watts. Trinity Methodist church.

WDAY, Fargo, N. D. 260.7m-1150kc. 50 watts. Radio Equipment Corporation. Announcer, K. M. Hance. Slogan, "The Biggest Little City in the World." Daily ex Sun, 10 am, markets, weather, news; 11, markets; 12 n, Radio farm school; 12:30 pm, music; 2 pm, markets; 2, 5, music; 5:30, news; 5:40, children's hour. Daily ex Sat, Sun, 10:15 am, chapel. Daily ex Mon, Sun, 10 pm. Tues, Thurs, Sat, 7:30 pm, musical. Sun, 10:30 am, church services. Sun, 4 pm, music; 7:30 pm, church. Central.

WDBC, Lancaster, Pa. 258.3m-1170kc. 50 watts. Kirk Johnson & Co., Inc.

WDBE, Atlanta, Ga. 270.1m-1110kc. 100 watts. Gilham-Schoen Elec. Co. Announcer, A. K. Dearing. Slogan, "We Distribute Better Equipment." Tues, Fri, 7-8 pm. Central.

WDBJ, Roanoke, Va. 228.9m-1310kc. 50 watts. Richardson Wayland Elec. Corp. Announcer, Glen Baylor. Slogan, "Roanoke Down in Old Virginia." Daily ex Sun, 12-1 pm, music; 5:30-6:45, music, news, weather, baseball. Mon, 8-9 pm. Wed, Sat, 9 pm, concert. Sun, 7:45 pm, church. Eastern.

WDBK, Cleveland, Ohio. 227m-1320kc. 100 watts. M. F. Broz Furniture Co. Daily ex Sat, Sun, 8:30-12 midnight. Eastern.

WDBO, Winter Park, Fla. 239.9m-1250kc. 500 watts. Rollins College, Inc. Announcer, Edwin D. McConnell. Slogan, "Way Down by Orlando." Daily ex Sun, Tues, 7:30-7:45 pm, citrus markets; 9-10:30. Tues, 9:30-11 pm. Sun, 11 am, 5 pm. Eastern.

WDBY, Minneapolis, Minn. 263m-1140kc. 500 watts. Twin City Broadcasting station, Inc. Announcer, Dr. George Young. Mon, 6-8 pm, 9-11. Tues, 7 8 pm. Wed, 6-10 pm. Fri, 7-11 pm. Central

WDBZ, Kingston, N. Y. 232.4m-1290kc. 10 watts. Boy Scouts of America. Announcer, G. Henry Nesslage.

(The third part of the directory of station schedules will appear next issue.)

Better now for $9.75 than it was in 1920 for $85

Recall that in 1920 a one-tube radio sold for $85. Today Crosley makes a better one for $9.75 [The Crosley Pup]. There's the picture of Crosley manufacturing genius.

This year will see the millionth Crosley radio set produced. And somewhere, the first hundred still bring joy and satisfaction to their owners. Only this winter, one of Crosley's early one-tube radios won a nationwide radio reception contest, in which one-tube sets of all makes and dates were entered.

Powel Crosley, Jr., has so improved tuned radio frequency circuits in the present Crosley sets, that experts the country over have grown wildly enthusiastic over their performance.

"*The first set to beat my pet—*", says one fan. "*The only set I have ever seen that would tune out our local station in our building*", writes another. "*How can Crosley do it for the money!*" is one exclamation, typical of hundreds of letters.

These new Crosley sets are truly wonderful for they not only represent a tremendous forward step in radio development, but are offered for even less than the closing-out prices of questionable and obsolete sets.

See and hear the new Crosley sets at your nearby Crosley dealer's.

Prices slightly higher west of the Rockies—For descriptive catalog write Dept. 49

THE CROSLEY RADIO CORPORATION, CINCINNATI, OHIO

Powel Crosley, Jr., President

Owning and Operating WLW, first remote control super-power broadcasting station in America

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Manufactured under Armstrong U. S. Patent No. 1,113,149, or under patent application of Radio Frequency Laboratories, Inc.

Mass manufacturing operations on the million scale has so saved pennies in production that the public sees them reflected in dollars saved on the retail prices of Crosley radios.

One great example of this is the Crosley Musicone.

Its success created so great a demand that a saving to the public of $2.75 was soon effected through increased production. Today it is the fastest moving item in radio—its quality of reproduction and its low price is inducing the rapidity by which it is replacing thousands of other type speakers.

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Undergound Aerials—New Portable

Radio Digest

TWICE A MONTH

FIFTEEN CENTS

FIRST JUNE NUMBE

Vol. XVII No. 6

JUN 10

JOAK, JOBK, and JOCK, the Japanese Broadcasters; "S-O-S," New Portable Super-Het; Mlle. Aimee Presents CKAC, the French-English Station; Spring Set Cleaning Hints

No. 8 OFFICIAL BALLOT

Announcers' Contest

RADIO DIGEST THIRD ANNUAL GOLD CUP AWARD

GOLD CUP AWARD Editor, Radio Digest,
510 North Dearborn Street, Chicago, Ill.

Please credit this ballot to:

.....of Station.....
(Announcer's Name) (Call Letters)

Signed.....

Address.....

City..... State.....

6-1-26

MAY TOPS STANDING IN GOLD CUP AWARD

BROKENSHIRE AND BARNES FOLLOW CLOSE BEHIND

Hired Hand Shows Fourth in Spite of Himself—Lillian Shaw Leads Canadian Field

Stand by for the shock, for we are about to divulge the first actual standing, with votes, of the 1926 Radio Digest Gold Cup Award. The warning is given primarily because your favorite announcer probably will not rate where you think he should. In that case, there is nothing to be done about it, except to save more votes and work hard to get your friends to save votes for your choice.

Remember that consecutive votes, sent in together, earn a bonus. The longer the series of consecutive numbers, the greater the bonus.

Earl E. May, owner and announcer of KMA, Shenandoah, Ia., has sprung the big surprise and tops the list. Although Norman Brokenshire, of WJZ, New York, and Patrick Henry Barnes, of WHT, Chicago, are running close second and third, respectively to Mr. May, the large metropolitan listener populations of either of these two cities may require a lesson in teamwork before they can equal the support of the sparsely populated area, relatively, about Shenandoah, Ia.

H. H. Popular in Spite of Himself

Fourth in standing comes the Hired Hand, of the Forth Worth Star-Telegram station, WBAP. While his present vote is less than half that of either of his three leaders, indications and rumors point at the conclusion that this veteran of the microphone is to be feared.

The Hired Hand, strange to say, is polling his large vote in spite of himself. He has sent three "threatening" letters to the Gold Cup Award editor, demanding that his name be withdrawn, but the editor laughed at him, and told him that he would have to win the gold cup one year before he could withdraw.

Attempting to dodge this ruling, the famous Hired Hand has gone on the air and denounced himself as a candidate to no avail. The votes keep rolling in.

Standing of Leaders

The standing of the twenty-five leading American announcers, as this issue went to press, follows:

Earl E. May, KMA	12,729
Norman Brokenshire, WJZ	10,916
Patrick Henry Barnes, WHT	10,083
The Hired Hand, WBAP	4,724
Peter McArthur, WOC	3,058
Phillips Carlin, WEAF	2,881
Louis John Johnen, WLW	2,877
Clyde R. Randall, WSMB	2,736
Lester Palmer, WOAW	1,732
Gayle Grubb, KFAB	1,705
Robert W. Griffin, WHO	1,684
Henry Field, KFNF	1,680
Lambdin Kay, WSB	1,528
Chester Gaylord, WTAG	1,481
Wm. (Bill) Hay, WGN	1,468
Jerry Sullivan, WQJ	1,273
Harold Isbell, KYW	1,252
G. C. Arnoux, WGY	1,245
Paul Johnson, WCCO	1,167
The Janitor, WFAA	1,019
Jennings Pierce, KGO	962
H. Dean Fitzer, WDAF	920
Frank Lane, KVOO	906
Sen Kaney, KYW	887
N. Dean Cole, WHO	813

Silver Cup Canadian Standing

It will be remembered that a large silver loving cup was proposed as prize for the most popular Canadian announcer in 1926. Last year such a cup was awarded to D. R. P. Coats, CKY's chief announcer. He has withdrawn from the 1926 contest and is supporting one of his assistants, Miss Lillian Shaw. The standing follows:

Lillian Shaw, CKY	1,529
H. C. Fricker, CKCL	480
Geo. A. Wright, CNRY	383
Bert Hooper, CKCK	301
C. Walter Darling, CFCF	95

Incidentally, the American announcer finishing second in the 1926 Gold Cup Award, will be presented with a large silver loving cup which is a duplicate of the Canadian prize.

GUS EDWARDS STAR IS ON FRONT COVER

BROADWAYMEN and others will recognize Radio Digest's cover girl this week. They will remember seeing Doris Walker twinkling over the footlights in Gus Edwards' particular array of American beauties.

The program people in charge of the official launching of the new Madison Square Garden Radio Station, WMSG, spent a great deal of time and exercised much care in combing the available talent in New York for that occasion. Gus Edwards was booked for a full hour, and when he offered Miss Doris Walker and Miss Ruth McDonald, "The Harmony Babies of Broadway," the whole affair was a huge success.

Despite the fact that the award is nearly half finished, nominations continue to be made. Eleven new names, bringing the total entries to 190, were added since last issue. The candidates newly named are:

E. J. Bowers, CFCA	Otto Lowe, KPO
Father James F. Cronin, WLWL	Dick McMurray, KUT
J. L. Fox, KFH	W. G. Patterson, KWKH
Edwin Kent, WHT	Ralph Shugart, WJJD
W. J. Kotera, WOAW	Fred Slouton, WOAW
	Fred Williams, WOAW

Don't fail to get the second June issue of Radio Digest, out June 14, to see the revised American and Canadian standings of contestants.

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Looking Ahead

Among the Paradoxes of City Nomenclature Occurs the Word, "New." Our oldest cities are "New." New Orleans is no exception. Out of its quaint and picturesque characteristics and manners has arisen the broadcasting station, WSMB. You'll read about it in the next Radio Digest, out June 14.

"True Story of the First Municipal Broadcasting Station in the World" and the second licensed station in the United States—Station WRR, owned and operated by the City of Dallas—as told by W. J. Reid, secretary of the city Radio commission, will also be in the mid-June Radio Digest.

In the Mississippi Valley There Is a Tendency to Linger Over the Dials when they are set at 273 meters for the St. Louis Star station, WIL. There is something novel in the way the "Little Old Professor" at the station handles the programs. Tune in the mid-June Radio Digest for particulars, out on June 14.

Hugh Fullerton's Great Story, "Big Rabbit," Will Arrive at It's Thrilling Climax in the second June number of Radio Digest. An introductory review of the preceding chapters will make it possible for the reader to understand this story of the Florida jungle.

Nashville, Tenn., Is Famous for—Well, Mr. B. L. Lowe, for illustration, who constructed his underground antenna out of a ten-gallon crock and receives 37 stations without old man static getting a look in. The next issue, out June 14, will contain this most interesting article on buried antennas.

Radio Digest's S-O-S Portable Made a Killing. The second and last article will cover the complete wiring, testing and operation. Build this if a simple, practical "Super" strikes your fancy.

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SHORT WAVES

By Marcella

Gladyce, our best "asker", wants to know if Jack Smith, Victor record artist, and Jack Little are one and the same. I frankly don't know, but have written the Victor company. While waiting for a reply, I'll just broadcast this query to anyone who may know. Anybody have the information?

Now back to Gladyce who asks to have the low-down on the Mona Motor Oil Twins. The banjo-mandolinist and his singing partner are, in my estimation, two of the best-looking males who ever peered into a microphone. Both of that brunette, Jack Pickford type. Look on page eleven of our April 10 effort and you'll see them. Don't believe that either are married, and would hate to be disillusioned. Both are young—about 24 years apiece. Nationality, American; favorite dish, pie. They started at KOIL, their home station, which is owned by the Mona Motor Oil company of Council Bluffs, Ia. Then Mr. "Mona" decided they were too good to be kept from the world, so he started them on a tour of all the stations. The good-looking twins are now doing the Pacific coast.

Here, you sisters of the Underwood, read this excerpt from Gladyce's letter and let's have a good cry. "Note the absence of the typewriter? I am sitting here with my back to it and every once in awhile I turn around and GLARE at it. Honestly, I get so tired of typing, that I have to rest from it occasionally. I know you can sympathize with me, as I suppose you have to write your 'copy' on one." Yes, "Glad," I do.

* *

Gerald Deering, ex-WMC announcer, left that position to work for the Tennessee State Marketing bureau. He is clean-cut, and slender, but short. I wouldn't call him handsome, but he has very polite ways and that make his medium features really seem handsome. This in answer to Dimples. As for his martial state, Dimples, you had best write to "Miss Kitty" Nelson at WMC, who can give you the last minute data.

* *

Mary, Judith and Jeanette, you are just six months late on the trail of John T. Schilling, blond WHB announcer, for he was married last fall. Yes, it was a true Radio romance—he met her in the Sweeney school studio. Description of him: height, 5 feet 10 inches; weight, 165 pounds and no contours; hair, blond and a lot left; age, 29 summers and winters; eyes, blue and happy; degree of pulchritude, looks well in a dress suit but feels terrible; likes, musical instruments in tune, good cigars, l. w. and b. (well maybe); personality, positive-ly winning, according to the way his wife coyly looks at him; dislikes, artistic temperaments.

* *

Now Mr. J. F. S., since you got "all thrilled" over Miss Eva Sharrard's picture on the front cover of the April 3 issue of Radio Digest, here are all the important facts and figures. Yes, she's just as pretty as her picture. This talented pianist of Port Huron, Mich., who gives many pleasant hours to WAFD listeners is but 19 years old. She is of medium height and weighs just 98 pounds. She has small features, a medium dark complexion, sparkling brown eyes and dark brown hair which is cut very short. If you like brunette types, you will certainly "fall" for her winsome smile.

* *

Eddie Ellingson is one of the "Harmony Boys" at KFAB, Nebraska Buick station at Lincoln. Gloomy Gus is the other very popular member of the team. Eddie has one of the sweetest voices on the air and can make you cry with classical as well as popular numbers.

* *

No, C. M. B., Lee Sims hasn't left KYW for good. He is on the road under contract to appear at various theaters for the next few months. He is with Bobbie Brown, Gail Bandell, the Harmony Girls, and Charlie Schultz. The troupe is booked as the "KYW Gloom Chasers." They all will return to KYW after the tour.

* *

Yes, Nate Caldwell, former "Joy Digger," announcer for WBBM and later KMOX, has returned to WBBM, the Stewart-Warner Air theater. He can't stay away from Chicago, you know, because all of his best girl friends live there.

* *

Phil Friedlander is in hiding, I guess, since he tangled with Chicago's state's attorney, Mr. Crowe. At least he isn't on the air. Harry Geise withdrew his membership from the Alimony club, but he is not permanently connected with any station at this time.

* *

What deep secret would you like to know about your favorite broadcast star? Drop me a note, girls and boys, and I'll do my best to answer here. MARCELLA.

URGE SET MAKERS HELP STATIONS

SENATE REPORTS ON COMPOSITE AIR BILL

STILL POSSIBILITY THAT RADIO WILL HAVE LAW

Senators Favor Commission—Combine White, Dill and Borah Bills—Little Time Left

WASHINGTON, D. C.—Indications are at the time this report is written that if the present session of congress is to enact any Radio legislation it will be in the nature of a new Radio commission which will take the jurisdiction of Radio out of the hands of the department of commerce where it has been lodged ever since there was any law and place it entirely in the hands of a commission.

Both President Coolidge and Secretary of Commerce Hoover have stated publicly that they were opposed to a Radio commission, but in spite of these protests senate leaders are going ahead, and in this connection the senate committee on interstate commerce has reported to the upper house the White bill severely amended. That bill now provides for a commission of five members at a salary of $12,000 a year, and is a composite of the White Radio bill which passed the house, the so-called Dill bill, and the Borah bill.

The bill as reported carries many added features to the Radio bills which have so far been discussed by congress and is intended to take care of the entire Radio situation for a period of years, leaving considerable to the discretion of the commission.

Indications are, at the time of this writing, that if the senate can be made to take up the bill, that it will be passed without much opposition. The trouble will be to get the bill before the senate during the closing hours of this congress, which already are well occupied.

KFWB STAFF RANKS HIGH IN POPULARITY

HOLLYWOOD, Calif. — Station KFWB, the movie broadcaster, almost made a clean sweep of a contest sponsored by a Los Angeles newspaper when Charlie Wellman, KFWB's popular announcer, recently won first prize as most popular announcer heard from the dozen odd Los Angeles and Hollywood stations, while Mable Leonard, pianist and studio accompanist for KFWB, took first prize as most popular Radio entertainer.

THREE FAIR STARS OF MICROPHONE

When little Helen Rauh, center, plays the piano at WHT, Chicago, everyone tunes in for the program. Left is Ruth Bramberg, violin student at the Oregon Agricultural college who plays over KOAC. Right, Anastasia Rabinoff, dramatic soprano who is well liked at KYW, Westinghouse station at Chicago.

Radio Brings Auto Tourist To Bedside of Dying Wife

SAN FRANCISCO.—Station KPO here recently proved the means of bringing Allen Straight, traveling by automobile through Southern California, to the bedside of his dying wife in Loveland, Calif. When Mrs. Straight suffered a stroke of paralysis, relatives were unable to reach her husband and appealed to KPO.

CKY Starts Second Annual Series of Astronomy Talks

WINNIPEG, Man.—CKY here has recently commenced broadcasting its second annual series of lectures on the stars. The talks are illustrated by means of a simple system devised by D. R. P. Coats, which he has named "Stellagrafs."

Arrangements have been made with a local astronomer, A. W. Meggett, for the erection of a 3½-inch telescope on the roof of CKY on certain nights during the summer, when listeners are invited to come and see for themselves some of the wonders which they have heard described in the talks. Admission to view through the telescope is controlled by tickets which are issued to CKY listeners.

STRESS NEED FOR ADEQUATE 24-HOUR BROADCAST SERVICE

Radio Manufacturers Active at Convention—Look Forward to Formation of Used Set Marts —Elect A. T. Haugh, President

ALTANTIC CITY, N. J.—More than 200 leading Radio manufacturers together with representatives of broadcasting stations, Radio publishers, government bureaus and others recently gathered in the Ambassador hotel here, for the second annual convention of the Radio Manufacturers association.

"The greatest need in the Radio industry today is the cooperation of the entire industry in the creation of a nation-wide effort which will furnish twenty-four hours of broadcasting service of interest to every individual in the country," said Herbert H. Frost, of Chicago, retiring president of the association, in opening the convention.

Hoover Sends Message

A letter of welcome from Herbert Hoover, secretary of commerce, was read. Mr. Hoover noted that he thought that the association could profitably engage in an economic inquiry into the trade with a view to determining whether some substantial changes should not be made in the method of distribution, which today imposes unnecessarily large distribution costs upon the consumer and at the same time increases the risks and production costs of the manufacturer.

That broadcasting is the life blood of the Radio industry was emphasized repeatedly by President Frost in his opening address to the industry. He urged the manufacturers to become very active in the support of adequate broadcast service.

Sees Coming of Used Set Marts

The establishment of used Radio set exchange marts will likely come in every city in the United States before long, in the opinion of Carl Boyd, who was elected first vice-president of the association.

Just as the handling of used automobiles and the reselling of cars that are traded in by purchasers of new cars is an important part of the automobile industry, so the sale of used Radio sets will become an important part of Radio sales, Mr. Boyd declares.

"More than seven million Radio sets have been sold in the United States since the listening pastime became a business, and approximately five million of them are in condition that makes them useful today," Mr. Boyd said.

Elect New Officers

After transacting considerable business

(Continued on page 13)

"Science for Service" KOAC

OREGON Agricultural College Has Radio Listener

Student Body of 80,000. Broadcasts Its Campus Courses Throughout State and Beyond. Faculty Members Deliver 450 Air Lectures in Year.

By ALBERT J. WOODS

A RECENT newspaper cartoon pictured Radio Broadcasting as a mighty Pegasus—a winged horse—hovering over the pigmy figure of a government official with a bridle in his hand.

Perhaps Radio is wild, untamed; cavorting here and there through the heavens with a song in its wings, a commercial kick in its heels and a wilful sort of freedom that should be brought under the control of man-made order and system.

But in Oregon it has been harnessed to a school that, through its aid, is scattering knowledge and wisdom to the largest student body, possibly, in the world.

Oregon, rich in scenic grandeur, natural resources and a perennial temperate climate, has a state college that maintains an aggregate class attendance of 80,000. The campus is shown on this page. Of course, it is not intended to infer that the 80,000 are assembled here physically, but it is assumed very positively that they are massed here regularly in mind, spirit and ear-power for they are the Radio-listening student body of the Oregon Agricultural College at Corvallis.

"Science for Service," is the slogan of this worthy institution. Here they have harnessed Radio broadcasting to higher knowledge and in a manner of system and order are making culture and understanding available to all, under all circumstances of living. Skilled educators have arranged progressive lectures in connection with their regular courses on the campus so that teachers, farmers, farmers' wives and their children, city dwellers, foresters, stockmen, engineers and others may participate in these studies as a relaxation from the day's routine and reap the benefits of the latest teachings of science. This latest great discovery of science is, therefore, utilized for service, enactly in accord with the motto of the school.

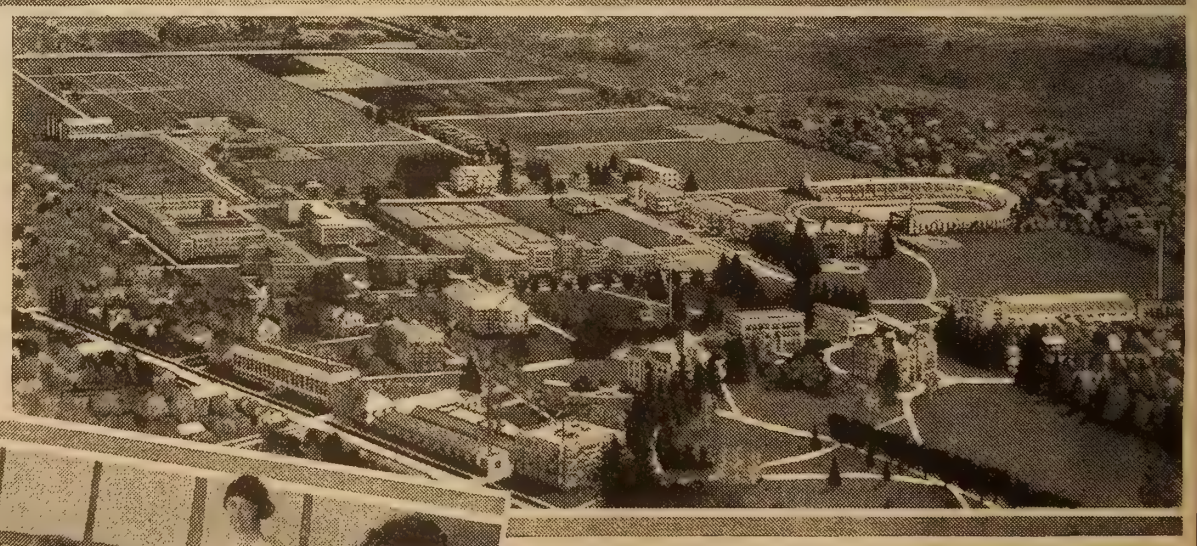
During the current college year, October 2, 1925 to June 30, 1926, Radio Station KOAC will have broadcast approximately 450 lectures furnished by eight of the nine major schools of the college, as follows: Agriculture, Basic Arts and Sciences, Commerce, Engineering and Mechanic Arts, Forestry, Home Economics, Mines and Vocational Education.

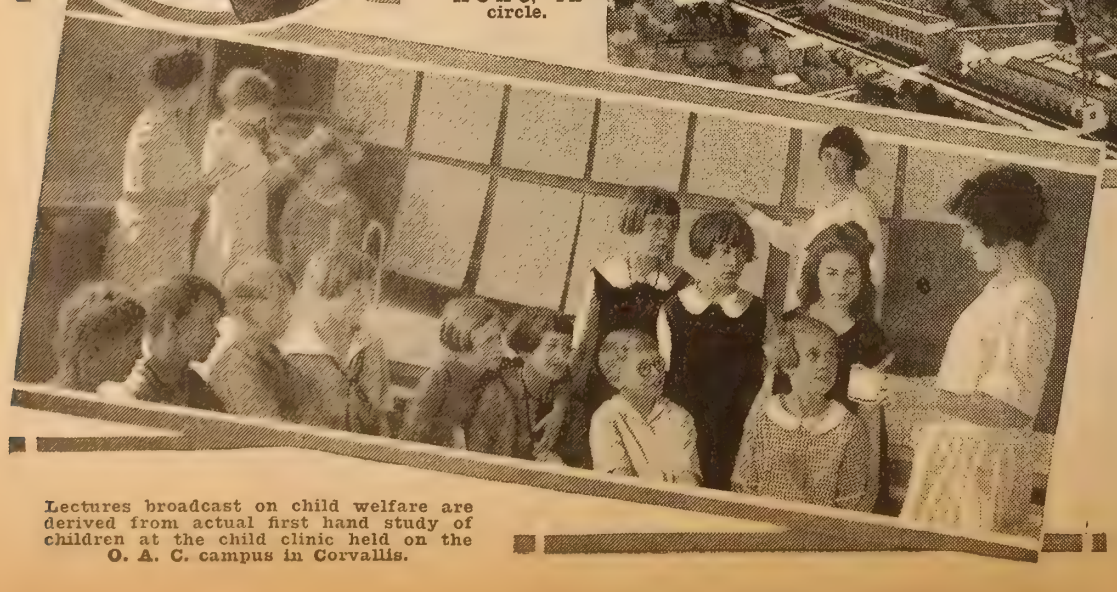
Suppose you were unaware of all this and should tune in KOAC on a Monday. At noon, between 12 and 1 o'clock you would tap the O. A. C. Lunch Box, containing an assortment of ten minute morsels very satisfying to one with an intellectual appetite. In the evening you would sit with certain text books, note paper and pencil and follow lectures that parallel the resident instruction in the campus class rooms. On this certain day it would likely be under one of these subjects: Agricultural Engineering, Animal Husbandry, Dairying, Beekeeping, Farm Crops, Farm Management, Horticulture or Poultry. There are 130 lectures on these subjects presented by forty-three different faculty members.

Oregon Agricultural College works in close cooperation with the United States department of agriculture and on this night would be broadcast information of a general and also specific nature prepared by Mr. Sam Pickard, chief of the Radio department in the government bureau. Child welfare is a matter of study at O. A. C. and there are weekly broadcasts to the boys and girls clubs by H. C. Seymour, state club leader. On Mondays and Fridays a special committee broadcasts the latest market conditions, of particular interest to cattle and horse raisers.

Wednesday and Thursday afternoons are set aside for the Homemakers' programs. This is not a hodge podge of come what may. Every member of the faculty may present one of these subjects: Seasonal Suggestions for the Flower Garden, China and Her Present Troubles, Is the League of Nations a Success? The College Woman of Today, Eugenics and Social Welfare or Rambles with Nature. Another day they may hear something about, Child Care and Training, Household Management, Home Planning and Decoration, Millinery and Clothing, Meal Planning, The Ideal Diet and Food Preservation.

Top, Mrs. Jeanette Boyer Xanten, soprano, voice instructor. Below, typical Oregon farmer student taking KOAC notes—the Glee Club quartet, above the O. A. C. campus. W. L. Kadderly, director KOAC, in circle.





Lectures broadcast on child welfare are derived from actual first hand study of children at the child clinic held on the O. A. C. campus in Corvallis.

This branch has been under supervision of Mrs. Jessie D. McComb, state leader of home economics instruction for the college extension service. The program includes seventy-eight lectures by twenty-eight different faculty members and has been worked out as the result of a state-wide survey of actual home workers' requirements.

All work and no play would make a college broadcasting station a rather fearsome thing for those who enjoy college sports and society. So KOAC does not neglect this phase of its service. College effervescence finds its vent through special programs by the glee club, cadet (*Continued on page 14*)

Listening to 東京放送局

WHICH Is to Say You Are Listening to "Tokyo Broadcasting Bureau" About to Celebrate First Anniversary of Public Radio in Japan. Three Stations Now Heard Here. Classical, Educational and Drama Features Preferred. Not Interested in Jazz.

By MARSHAL TAYLOR

HIGH on the historic old hill of Atagoyama, outside the gates of Tokyo, an important event is planned for next month. Flags will fly, long lines of visitors will parade, gay Oriental music will thrill the air. Radio Station JOAK will celebrate its first birthday.

Broadcasting is young in Japan, but it is growing fast. Tokyo has its thousand watt station, JOAK; Osaka an equally powerful station, JOBK, and Nagoya has JOCK. All three of these stations have been heard by many DX fans in the United States. JOAK not only has reached the California coast cities, a distance of 5,000 miles, but has penetrated to the very center of the North American continent with reception reports coming from Chicago and Ohio.

After four months of experimental broadcasting JOAK moved into its big, new station on Atogoyama hill last July. A letter from M. Oyama of JOAK to Donald Wright at Terminal Island, California, states that there are now 180,000 listeners in Japan with the list growing during the last few months at the rate of 600 new ones each day.

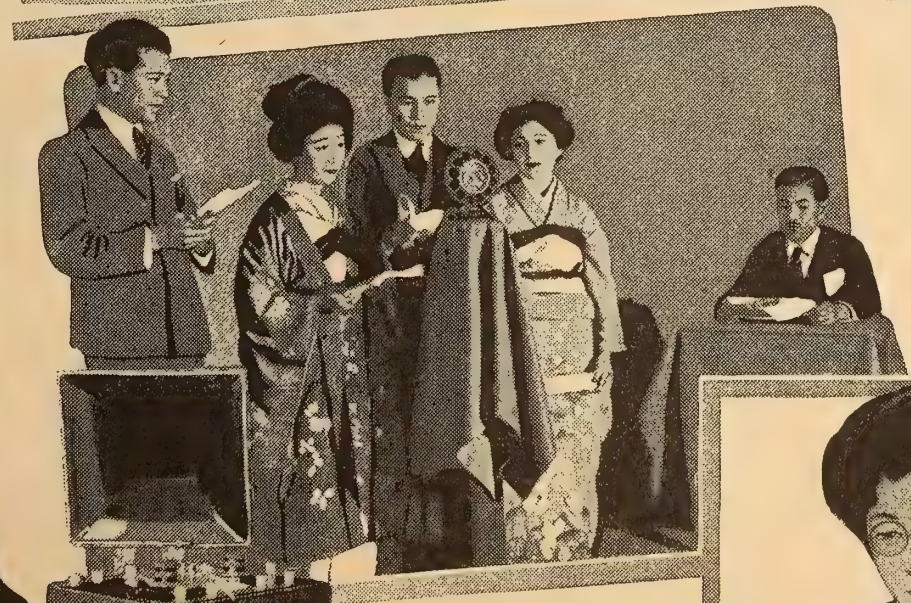
Japanese listeners like their sets ready to perform. They get no kick out of "hay wire" hook-ups. Radio apparatus manufacture has not been extensively developed as it generally is conceded that the Americans have the best inventions which are, of course, protected in Japan. The more wealthy families have the best standard sets. Those in moderate circumstances are satisfied with crystal sets or those of the more simple construction.

Mr. Oyama states that work is under way to build a superpower station of 10,000 watts for JOAK in order that "crystal set owners for 100 miles distant may be able to hear and enjoy the programs." The government engineers already have relayed between the three leading stations and it is expected that soon they will be able to exchange programs with each other.

The operating stations are called "bureaus." Set owners pay a bureau tax of one yen a month and a government tax of one yen a year.

"Nighthawks," "Hoot Owls," and "Coo Coo" clubs are still unknown in Japan. The stations all sign off at ten o'clock, but they begin at 9 in the morning. They take their Radio more seriously than we do.

Educational subjects are most in demand. There also is a general interest in stock and exchange quotations. News bulletins are frequently flashed over the air during the day. In the afternoon there is apt to be an opera between university or college lectures. More attention is paid to the teaching of English than any other single educational subject. Listeners provide themselves with English text books, then follow the readings and teachings of the instructor who conducts his class in the silence of the broadcasting studio.



Madame Akiko Midorikawa (above), first woman announcer in Japan, at JOAK. Miss Kurishima (below) is her assistant at microphone. At left are JOAK Players presenting Japanese drama, "Paper Doll Whispering of the Coming of Spring." Radio dramas are popular with Nipponese listeners.

Japanese school girl (left) with typical Japanese made receiving set in which simplicity of operation is the chief goal of manufacturers. Below is home of one of the wealthier families with American made set.

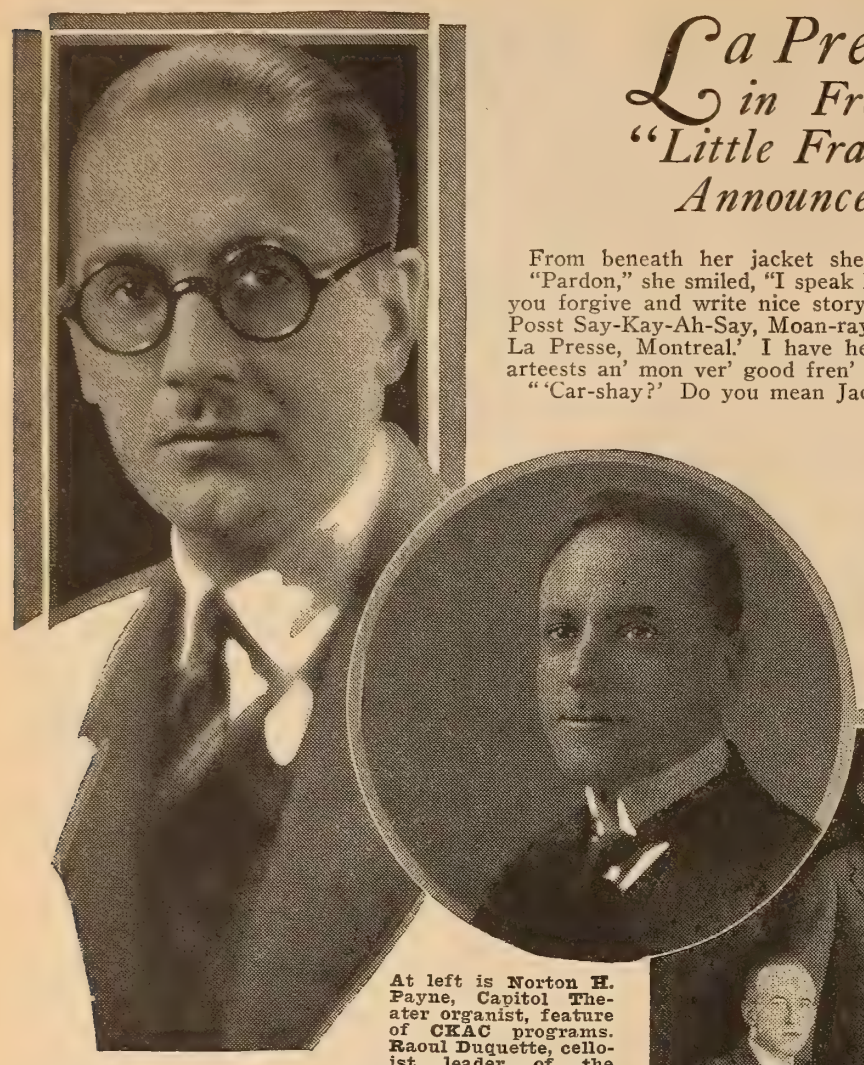
When it comes to mere entertainment the Japanese listeners seem to prefer Radio plays, mystery drama and romance. They enjoy allegorical compositions, and the children, especially, are enraptured with such Japanese story-plays as "Kaminingyo Haru-no-Sasayaki," which means, "Paper Doll Whispering of the Coming Spring." With ear phones pressed close to their little dark heads they sit entranced when such artists as Miss Shizuko Myabe or Miss Umemura Yoko softly converse into the microphone the prophesy of the little buds that shake out their silken skirts to clothe the naked cherry trees with glorious blossoms. And they believe that the actresses are indeed paper dolls who have come to life high in the fleecy clouds and that the Radio, like a butterfly net, has caught their voices for the children to hear.

American jazz finds no responsive chord in the breast of the Japanese. It is looked upon as a sort of weird musical insanity. But the Japanese are a courteous people, and, inasmuch as there are many foreigners within the empire who enjoy the hot, syncopated dance music, they sometimes put on a jazz number as an act of courtesy.

(*Continued on page 14*)

M'selle Aimee Presents CKAC

La Presse of Montreal Broadcasts in French and English. Quebec Called "Little France of America." Damoiselle Thinks Announcer Jacques Cartier "Magnifique."



At left is Norton H. Payne, Capitol Theater organist, feature of CKAC programs. Raoul Duquette, cellolist leader of the Windsor Hotel Concert Orchestra, exclusive feature. Right is CKAC staff, left to right: J. P. Callaghan, Arthur Dupont, Adrien Arcand, Mary Brotman, Leonard Spencer, Jacques Cartier, Norah O'Donnell and A. Lebeau. Lower, Cartier and Capt. Edmund Burke.

By H. P. BROWN

WE HAD a very entrancing visitor some weeks ago when it was still quite cold and I have saved her for you until these warm days because I think she will bring you a whiff of the pines and a cool breeze from that romantic land of Cartier, Quebec and the Canadian St. Lawrence.

Dave ushered her in. Dave is seventeen and all the world is fair and young to him. He was a little pale as he preceded her and I did not wonder.

"Memshell Aimee Baudouin of Montreal," he whispered. "Gee, she's a cute little Frenchy."

I stood up as she entered. She was like a bird as she flitted into the room. Her fur-topped kid boots, laced half way to her knees; her white, fox-trimmed jacket and snowy tam with its tuft of silky fur proclaimed her the very spirit and soul of the great Northland snows.

"Parle vous Francais, oui?" she chirped. Everybody knows that much French, especially since the war. So I answered:

"Not enough to carry on any animated conversation, Ma'm'zelle Baudouin. Je parle Anglaise only foire."

"Ah, eet is to be regret but I am not much surprise," tiny dimples darkened the natural tint of ripe winter-green berries that glowed on her cheeks.

Dave, obviously dazzled, placed a chair beside my desk. She perched herself on the edge of it, and I sat down. Dave retired with a regretful look over his shoulder.

From beneath her jacket she drew a large, gray envelope.

"Pardon," she smiled, "I speak English not even fair but I hope you forgive and write nice story for my dear La Presse Radio, Posst Say-Kay-Ah-Say, Moan-ray-al; as the English say, 'CKAC, La Presse, Montreal.' I have here some photographeries of ze arteests an' mon ver' good fren' Monsieur Cartier."

"'Car-shay?' Do you mean Jacques Cartier?"

"Oui, the same, monsieur. You know Monsieur Cartier?"

"Never had the pleasure of meeting him personally but I hear a lot about him."

"Ooo-la-la! He is ze great announcaire, wif ze grand maniere, so virile, so homme d' esprit. The people of Quebec—all Canada—I—we, we—I know not how to say eet—faire de etat, Monsieur Cartier—"

Jacques Cartier, the explorer, who first sail the boat into Canada and plant the French flag at Montreal for France. His uncle was Sir George Cartier, the first prime minister of Canada.

"My papa he tell me ze story long time ago when I was a—a—jeune fille. We live north, long ways in the snow. My papa catch the fox, the otter, the bear. So many, many people live in the woods and alone and now they have the Radio. Oh, if you could un'erstan' how, how marvielle, wonnerful the CKAC Radio is for our people in Quebec—no other Radio speak ze French and that is all the most of our people un'erstan' and the CKAC it come four year ago when only twenty-five homes have receiving Radio. Now everybody have.

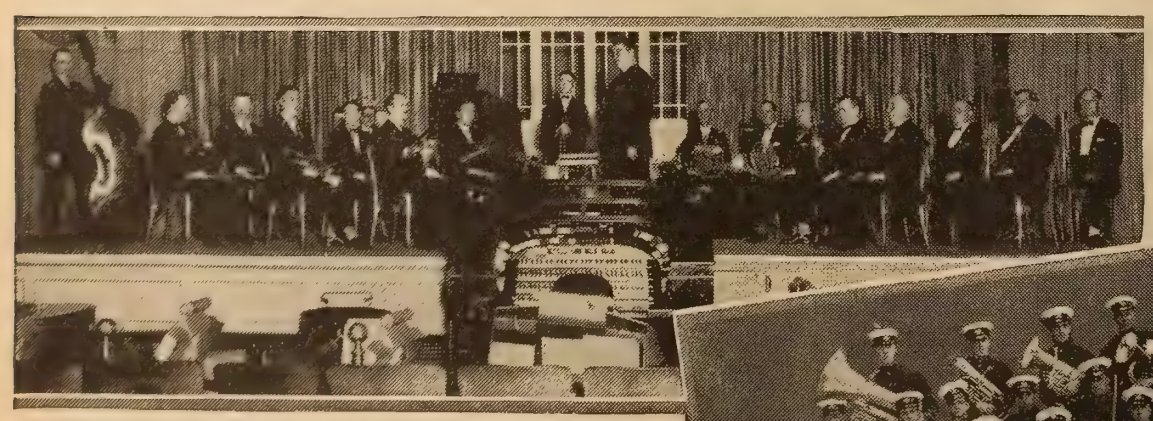
"La Presse, which is the bigges' newspaper in Canada, she give the great band concerts for towns all around and the people (*Continued on page 14*)

"You have not been long on this side of the Atlantic?" I changed the subject deliberately. Her soft, brown eyes were filling with tears as she struggled to express herself adequately.

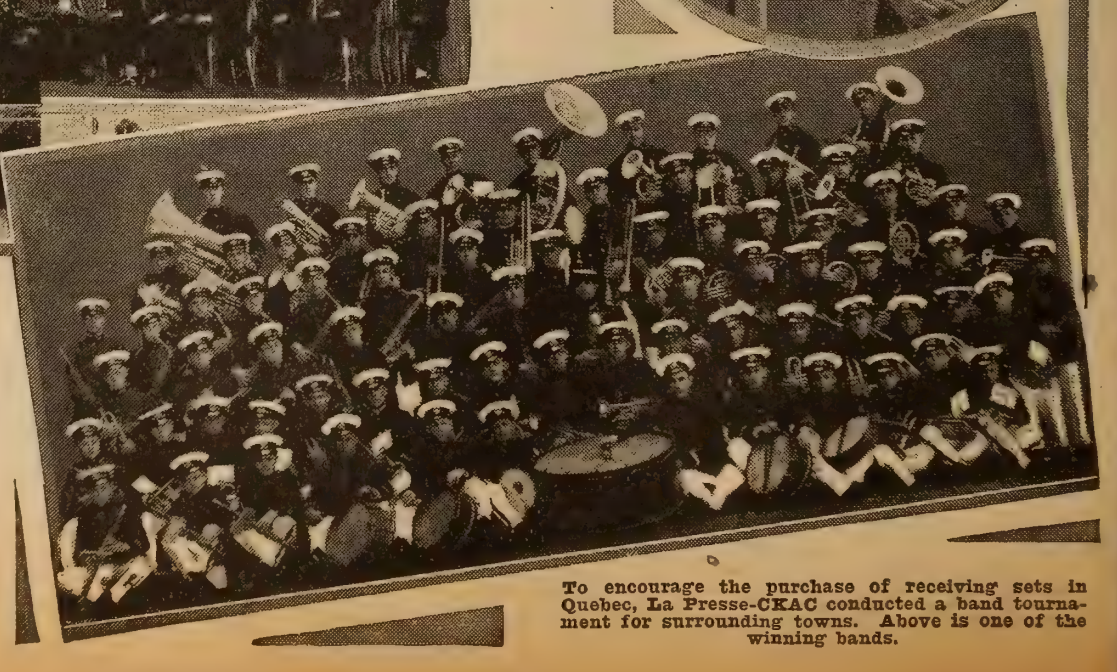
"All my life I haf lived in ze Province of Quebec, monsieur."

"Don't they talk English?"

"Only a few, un petit nombre. Eighty per cent are French. It is the Little France of America. Monsieur Cartier of La Presse he makes the programmes in bos the French and the English. Monsieur Cartier, his great, great, great, grandpere was



Above is the Capitol Theater Symphony Orchestra, said to be one of the finest musical organizations in the Dominion. Its classical selections have won many friends from this music loving community.



To encourage the purchase of receiving sets in Quebec, La Presse-CKAC conducted a band tournament for surrounding towns. Above is one of the winning bands.

BIG RABBIT

by HUGH FULLERTON

"MORE SPEED, man. It's up to you, now. Give her the limit." Big Dick Borton, the best pal a man ever had, stood over me as I urged more power into the little engine that was carrying us so swiftly through the water.

The thought that it was "up to me" sent my heart with a throbbing ache against my ribs. Somewhere in the depths of the Florida wilderness was my Roberta. Suppose we should be too late—what would happen?

It seemed like ages since I had received that note, hurriedly written, that she was being taken away from the Atlanta home of her guardian, Major Gaskill. We had been warned. The hard visaged little banker had told me that something was wrong; that the major had been speculating, first with his own funds, then with the girl's and finally the bank had become involved. Roberta had told me herself she feared kidnaping but she dared not protest for fear of the scandal.

Dick and I had managed to leap aboard the private car on which she had been taken by the mysterious negro giant, Trimble. She had been accompanied by her maid and then we found evidence that the major, himself, was one of the party. Before we could protect ourselves we had been attacked and overcome by Trimble and dumped out, as the train sped onward, at the edge of Jacksonville.

It was hours before we were in condition fit to resume the trail. Then we heard talk of the "Big Rabbit." It seemed a powerful, yet intangible, voodoo that had terrorized the negroes. We found Roberta had been whisked aboard a strange craft which departed inland, off the channel route. Dick took one boat and I chartered the Jason with the understanding that we were to meet at a certain point.

Dick had come and gone when I reached the objective. I waited frantically for word from him until Danforth, a detective I had known in New York, arrived on the scene. He was looking for timber thieves. Borton returned all but exhausted after swimming and tramping through swamps and bogs until he had found the rendezvous, the lair of the Big Rabbit. He had obtained disguises for himself. Dan and I were blackened to pass for negroes as we now raced to the rescue in this desolate jungle.

CHAPTER VIII

The Race Through the Swamp

"PUSH her! Drive her to the limit!" Borton kept repeating. The Jason was behaving beautifully and, tuned to perfection, she was slicing the water at the best speed I could coax out of her without risking overheating the motor. She was doing almost forty miles an hour and not a knock or rattle marred the purr of the engine. Again and again Borton turned to me in nervous impatience, begging for greater speed.

"At this gait we'll make it in less than two hours," I growled as I nursed the engine and listened carefully to the steady hum of the motor. The Jason was covering herself with glory.

"Get everything you can out of her while we are on the St. Johns," Borton remarked, fretting, "I'm going to crawl down into the bottom and try to get a nap. We can't make any real speed after we turn into the Ocklawaha and it will commence to get dark in there shortly after six o'clock. The moon will not help any until after eight o'clock and if we are that late we may lose. Drive her."

He spoke with savage earnestness, and his face was drawn into lines by anxiety and weariness.

"Why?" I demanded, still hanging over the engine.

"The negroes are ordered to meet at eight o'clock tonight," he exclaimed. "Evidently they are meeting for something important, connected with Major Gaskill. If we are late, or miss the meeting place the Lord only knows what will happen. An hour may mean everything."

His manner and words increased my uneasiness, which had been relieved by the physical exercise of operating the boat. Above the steady explosions of the engine I fired question after question at Borton but he either did not understand or was too weary to attempt to reply and, coiling his big frame in the bottom of the boat, his legs under a seat, he cuddled up with his head resting on a piece of his odd baggage and snored.

"LET him sleep," Danforth advised, "We'll wake him when we get well into the Ocklawaha. You run the engine and I'll steer. I know the river." Crawling over the baggage he took the wheel and commenced cutting corners to save every possible foot of distance.

It was a strange ride as the boat flashed through the silence of the narrowing St. Johns. The physical and nervous strain was beginning to tell upon us. Forward, Danforth sat humped over the steering wheel peering steadily ahead, the stump of a cigar clenched tightly in his teeth. There was little chance for talk. Occasionally Danforth called back to me as I hovered over the engine, listening, coaxing, watching the gasoline supply.

Danforth was taking all the short cuts, clipping quarter and even half miles off the distance where the course lights marked a wide sweep in the channel. Once he swerved like a flash to avoid a log floating just under the surface. Half a dozen times he slipped over bars where the water seemed scarcely deep enough for us to pass and where the boat stirred up the sediment on the bottom in its rapid passage.

The river banks were pressing more closely together. Clearings and orange groves showed on one side. On the other clearings had ceased entirely, and the bank of the river was marked with a blackening solid growth of oak and cypress with tall pines rising behind them. The trees were covered with a heavier growth of Spanish moss, and the under jungle was a matted tangle of smaller growths. The green of new sprouted eaves of the water oak showed livid where the yellow jasmine, creeping upward through the matted masses of moss, burst into a shower of beauty that cascaded down almost from the crests of the trees.

We were reaching the deeper swamp land. Clearings ceased at both sides. With a quick nod of his head Danforth ordered a slower rate of speed. A sudden turn, a rush seemingly straight at the bank of the river and the boat, flashing into a narrow lane of water, dived, as it seemed, into the heart of the swampy jungle. Before us a narrow, tortuous lane of water opened, winding between solid walls of dank growths rising, it seemed, out of the water itself. With a second jerk the Jason lost herself in the water wilderness and was twisting her way through the narrow aisle of water.

IT WAS late afternoon. The sun still was shining warm and bright, but as we dived into the depths of that Stygian river of the jungle, it seemed as if night were falling. In that forest arcade of water lay a ghostly twilight. In the tree tops far above us we could see the glint of sunlight and occasionally a golden bar, prying its way through some crevasse, splotched the surface of the water like a flame across a river of ink.

"We've got to push her," Danforth called, gripping his teeth grimly into the remains of his cigar. "Drive her hard. It is getting darker in here more quickly than I expected. Watch the lighter spots and race through them. We must make speed while I can see to dodge stumps and turn the corners. It'll be worse soon."

I slowly increased the speed, but a few moments later the motor commenced to miss fire, and, after spluttering along spasmodically for half a mile while I strove vainly to locate the source of the trouble, it stopped entirely and floated helpless in the sombre blackness of the dark river.

A huge water moccasin, disturbed, dropped like a plummet from a cypress limb into the water. An alligator slid with a soft splash from the side of a hummock and sank slowly, leaving only the tip of its snout above the surface. In the tree tops a wondrous choir of birds sang the evening hymn of the Land of Flowers. Gay parrots and other birds of brilliant plumage moved across the upper parts of the trees, flashes as of flame showing the flitting of the Cardinals.

The silence, punctuated only by the notes of birds, exaggerated the noises and the whispering voices of the creeping, crawling things of the jungle.

I HAD no eye for beauty nor ear for the music of the forest, but sweated and swore while wrestling with that infernal engine, every precious instant bringing the denser darkness nearer.

"Take it easy," said Danforth quietly. "Look it over instead of killing yourself whirling that wheel."

His advise was sound. I stopped physical effort and, within five minutes, located a clogged feed pipe that had crippled the carburetor—a small thing, remedied in a moment with a bit of wire. I was swearing at my own denseness and whirling the wheel when Borton awoke suddenly.

"Five minutes to six," he said sharply as he looked at his watch and glanced outboard, "How long have we been stopped?"

"Twenty minutes, engine broke down," I reported, just as the engine exploded twice and settled into a steady throb as the boat leaped forward. The noise of the exhause made conversation, save in loud tone, impossible, but Danforth, from his post at the wheel, called back:

"Is the place we're going to this side or beyond the place where the sight seeing boats tie up for the night?"

"Several miles this side," Borton called back. "I'm not certain just how far."

"We have a chance to reach it in time then," Danforth said grimly. "Cut loose that engine and I'll try to take her through."

"We've got more than half an hour of this kind of light," I yelled, "If the trees don't get any thicker."

"Al right—speed her up," said Danforth, chewing his cigar and talking back over his shoulder. "If we land on a stump or log, swim for the east bank. Give me speed; I'll take her through."

Never before and probably never again will that black lane of water, winding through the heart of the tangled swamp, see such a display of speed and reckless daring. Twisting, turning, sometimes swerving aside so suddenly in avoiding a crash into trees or logs that the boat skidded on one side and water flew like a screen over the rail, we dashed through that ever darkening inferno of semi-tropical growths. We flashed past a row boat, proceeding leisurely up the river and the two negroes, paddling with their faces toward the bow after the custom of the natives, turned toward us with surprise, and one, evidently accepting us as colored, waved a greeting.

BORTON, as we passed them, lowered his face that they might not see he was white, then did a strange thing. He rubbed his hands in the oil in the boat bottom, near the engine, blackened them and with the black hands made some sign in the air. One of the negroes rested his oars, raised his hands, made motions as if pawing the air—and shook his head sideways vigorously.

"They're not going," Borton yelled over the drumming of the motor. "I hoped they were and that we were getting near. Probably can't row there in time. Push her."

"She's doing close to thirty-five miles now," I yelled in reply.

"We'll make it—if we don't hit something," Danforth called back.

Light still illuminated the tree tops far overhead and a faint reflection of the dying twilight filtered downward. Birds already were going to roost in the lower

"Tillie," I said as calmly as possible, "you must help us. There are three of us here to save the major, Miss Tonneson and you. You most show us where they are. If possible you must tell your mistress that help has arrived."

As our eyes pierced through the red glow of pine knot flames and the fog of resinous smoke rising straight in the still air we discerned at the opposite end of the natural woodland cathedral, a crude, stage-like structure. It was open at the side, facing the clearing . . . A large chair, rudely carved, occupied the exact center.

branches of the trees and heavy shadows lay on the water, with lighter lanes where the trees were not so thick, making it more difficult to see objects in the channel.

I scarcely could see beyond where Danforth sat crouched in front just behind the hood of the bow, peering steadily ahead into the shadowy darkness. He seemed a machine, whirling the wheel rapidly in one direction, and reversing so quickly it seemed we must be swamped if not wrecked.

No one was speaking now. I nursed the engine, oiling, and in nervous desire to do something, testing screws and wires. It was well—for once a screw, jarred loose by the heavy vibration of the boat, released one of the battery wires, and before I could restore the connection we lost speed, and sharp curses flashed at me from both the others. Once we struck a glancing blow, reeled crazily, scraped heavily along one side of the boat and shipped water. Danforth, was partly torn from the steering wheel, lost control for an instant, the boat careened wildly, tore through the overhanging branches of a tree, righted and fled onward.

FOR more than ten miles we raced recklessly through the depths of the swamp, scarcely slacking speed. Every instant we expected the frail craft would dash against a tree or a floating log and that we would be hurled into the inky water, or shattered by the impact. Not a bit of solid land could be seen, the trees rising from the water, save where hummocks had formed around the aerial roots of huge cypress trees.

"Better turn on the headlight," I called.

"We don't dare," Borton cried back quickly. "We're getting close."

In one of the minutes in which I dared raise my eyes from the engine and bearings I observed Borton had crept forward and was leaning over the rail studying the east side of the river carefully, as if seeking some mark he knew. He struck a match, cautiously screening it low in the boat and looked at his watch.

"It's six minutes of seven," he called. "Drive her—just a little further."

The light had failed and it was dark, almost as midnight, excepting where occasionally a luminous land broke the blackness as the dying afterglow shone through a semi-submerged forest, without guide, without knowledge of the channel, depending only upon the sharp eyes of the little detective for safety from an accident which might mean destruction.

Borton suddenly threw up a hand with a sharp command to slacken speed. An instant later I breathed a sigh of relief as the engine, throttled down, changed its tune and the speed of the vessel slowly lessened.

"We are almost there," Borton said in lower tones. "We just passed the cypress hummock where I hid before taking to the river. Run slowly and make as little noise as possible."

I obeyed thankfully and in silence. Borton crawled forward again, and crouched, peering over Danforth's shoulder intently watching the line of trees.

"Hold her as close as you safely can to the trees on the left," he ordered. "Go ahead slowly. I want to find the landing place I picked out."

ALMOST without sound we slipped along, the engine now muffled down. To stifle as much of the noise as possible I leaned far over the side and draped a heavy wet cloth over the exhaust, deadening the sound of the explosions. The side of the boat was scraping under the overhanging branches of trees. Moss laden ends of branches whipped our faces and forced us to crouch low in the boat.

"Shut off the engine," Borton called in a hoarse whisper.

For five minutes we propelled the boat noiselessly along the bank by catching the branches of trees and pulling her along as Borton peered anxiously under the trees.

"All right," he said in a low tone. "Pull her in alongside that hummock just ahead. There is on opening on this side of it. Slide right up alongside the log. We can climb over it into a path and the boat will lie hidden."

Noiselessly we obeyed orders and dragged the Jason between the tree clumps and alongside the prostrate trunk of a huge pine, half buried in mud and water. In its fall the pine had torn up a huge pile of mucky earth in which plants and grass had rooted, forming a soggy little island. We tied the boat fast, her nose to a Judas tree, covered with masses of pink blossoms. A huge clump of needley like Spanish bayonet formed a screen which hid the boat entirely.

"Help me with this stuff," Borton whispered cautiously. "The path is right over there beyond the hummock, back of those Spanish bayonets. Mark the spot well so you'll know it when we come back. Remember the way."

We were lifting the packages from the boat and Borton led the way. Behind the huge clump of Spanish bayonet we stopped while he went on a few yards, glanced around and returning announced the road was clear.

"Listen, fellows," he said, "whichever one of us manages to reach the girl must make a break for the boat. Whoever reaches it with her must make a get-away without waiting for the others unless they are coming. I don't know just what we are running into but we must get the girl. Don't hesitate to shoot her rather than have the negroes retake her."

"Come on, let's hurry," he added sharply. "We want to be on the ground as soon as possible. It can't be far from here, for I hear them."

WE CLAMBERED over a log, through oozy mud and up an incline to where the footing was firmer, and came upon a well trodden path leading away from the river.

Borton led the way rapidly along the path. I was burning with excitement, curiosity and there was sort of a dry feeling in my throat and a burning fear for the girl I loved. There was no chance to ask questions as I brought up the rear of the procession.

Danford, his cigar stub still clenched between his teeth, trotted steadily in front of me. I could not help envying the coolness of the man. He tightened his belt and with a big package of Borton's mysterious disguise held under one arm, he jogged along through the darkness, perhaps to death, as coolly as if strolling up Broadway. I was hampered with an unwieldy package which, while not weighing much, handicapped my movements.

For perhaps half a mile the strange procession wound in single file along the narrow path. Ahead a sound like far away voices increased in volume yet we saw no one. A glow, as of fire, shone from somewhere ahead. Borton slowed down, moved forward again cautiously and finally stopped in a small opening where the path on which we had been traveling met another.

"Here is where we part, fellows," he said briefly. "I do not know what we are going against except that there are hundreds of negroes going to meet at a place less than a mile ahead. I want you fellows to light your pine torches, go right on and mingle with the crowd as quickly as possible. Join right in and don't talk to anyone. No one will recognize you or notice you unless you betray yourselves. One thing is certain you will see more negroes than you ever have seen together in your lives.

"I am certain Miss Tonneson and her uncle are prisoners by order of Trimble. What he intends to do I don't know. He has sent out orders for all the Sons of the Big Rabbit to meet and every negro in this section of Florida who can get here will be present."

"What are we going to do? What are you going to do?" I asked.

"CAN'T tell," Borton said briefly. "I am going to try to run the whole show and to beat Trimble at his own game. If I am discovered—let it go. Don't cut in if you have a chance to save the girl. You circulate around in the crowd and try to learn where the major and Miss Tonneson are kept. Then try to get the girl away to the motor boat. I will try to distract their attention and give you more chance to do it. If either of you happens to be left when the boat pulls out stick to the crowd and follow the negroes out through the swamps. You'll be safe unless they find out you are white. You will reach a railroad in fifteen miles or so—but get clear before daybreak—or they'll spot you."

We shook hands. I was surprised to find how little excited I felt. It was as if we were parting for a night's sleep.

"Above all," Borton said, "don't start anything unless things come to a showdown. If we are found out, back against a tree and cut loose—and GET TRIMBLE FIRST. We'd better push on. You go straight ahead. I'll take this back path."

Picking up his queer packages Borton hurried away into the blackness. We stood gazing after him an instant, then without a word, moved quickly forward. Ahead, now bright, now shut off by heavy growths, we could see lights moving like giant will-o'-the-wisps. We stopped, lighted our pitch pine torches, waited for them to flame up and Danforth and I moved forward, side by side along the widening path. In a few minutes we fell in with negroes carrying torches and lanterns, emerging from other paths, all moving toward the place where a great glare lighted the forest. They laughed, called shouted scraps of songs, jostled each other in rough play.

We went forward as rapidly as we could without the risk of drawing attention to ourselves and presently emerged from the mouth of the tunnel-line path into a great, open glade. A small island in the heart of the swamp had been cleared and, as we stepped out into the clearing, there burst upon our gaze one of the most weird and appalling scenes ever beheld by the eyes of man.

CHAPTER IX

In the Rabbit's Den

WE STOOD, stunned with awe, at the mouth of the forest path, looking out upon a scene so wild and weird it might have been taking place in some jungle depth of the Upper Congo.

An exclamation of amazement, perhaps mingled with terror, burst from my lips that almost betrayed us to the negroes who passed us both coming and going and in large numbers. Danforth recalled me to my senses grabbing me by the arm and digging his fingers into the muscles. He burst suddenly into a boisterous laugh, imitating the tones of the black men around us and whispered, "Steady, Wen; keep cool."

My sudden paralysis of mind and muscle passed.

We emerged into a large clearing, perhaps a hundred and fifty feet wide and four hundred or more in length. Evidently it had been a pine covered knoll and the pine had been cut away, the underbrush cleared. Whether there had been a saw mill at one time is impossible to know, but the ground was covered with sawdust. Huge live oaks and water oaks at the sides of the rectangular clearing extended their

(Continued on page 28)

It's Time for Spring Cleaning

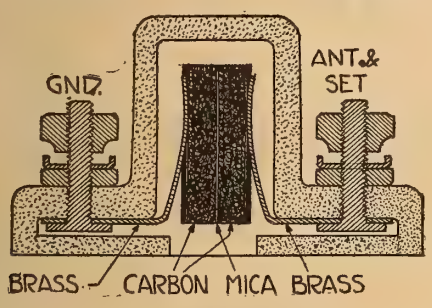
TIPS HOT Off the Bat for the Beginner or Fan Who Had His Set Installed. What Lightning Arresters, A and B Batteries Are. Part II.

By the TECHNICAL EDITOR

MAY we repeat—"Lightning never strikes twice in the same place." There isn't usually anything left to strike. Emphasis is therefore placed upon the necessity of installing approved lightning protection for your Radio if you would avoid fire hazards as well as comply with the rulings of the Board of Fire Underwriters.

In figure 4 of the last issue was shown the proper location and method of installing such protection. The

Figure 6, above, is a well-known lightning arrester. Figure 7, below, shows how it would look cut through.



market affords several makes which one may use with assurance of satisfactory operation. The majority of such makes comprise an airproof housing of porcelain in which is installed and sealed two carbon blocks separated by a very thing strip of mica. The blocks are connected to antenna and ground respectively.

In operation they function as a low capacity shunt path to ground from the antenna. This path is such that normal current values will not pass or bridge the gap, while the extreme voltage or power of a lightning discharge breaks down the gap and allows the discharge to pass directly to the earth. Thus is eliminated the danger of lightning entering the house and receiver where much damage might occur.

In figure 6 is pictured a well-known make of arrester using carbon blocks with mica air gaps, while figure 7 is a sawed apart drawing showing its interior mechanism.

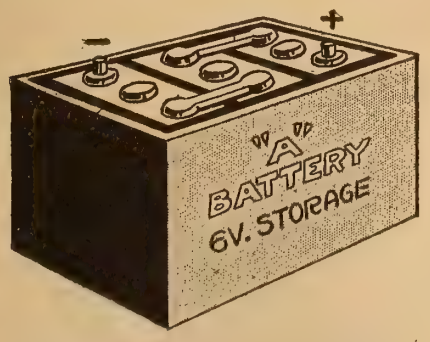


Figure 8. A six volt storage A battery.

Once the parts are installed the bottom of the arrester is hermetically sealed with a noncombustable material. To install it, after mounting upon the outside of the building, the antenna is connected to one of its terminals and then passed on to the receiver, and the ground wire is fastened to the remaining terminal and then to the ground post of the receiver. Be sure that the ground wire runs in as direct line as possible to its earth connection. Electricity in any form dislikes flowing in other than straight lines. Therefore all bends and turns should be avoided.

Lightning arresters employing copper, brass or other metals as the discharge media should be avoided. The reason for this is that all metals have a relatively low fusing or melting point and cannot withstand heavy discharges, without the danger of such fusing causing a short circuit which would make the receiver inoperative. On the other hand, carbon has a very high fusing point and seldom if ever need be replaced. Because lightning has never bothered your receiver there is no valid excuse for not providing protection before it is too late. Do it now while the subject is fresh in your mind.

Now about batteries, which in Radio are called A, B and C batteries. These letter classifications refer to the particular circuit within the receiver which is served by the battery. Radio A batteries are of two general types, storage A batteries (figure 8) and dry cell A batteries (figure 9). Storage batteries are the more economical for use with tubes which require ¼ ampere or more for the lighting of the filaments, such as the 201A, 301A, UX, WX, or CX class. They have the advantage over dry cells in that they can withstand heavy current drains without losing their voltage efficiency, and can be recharged readily when exhausted

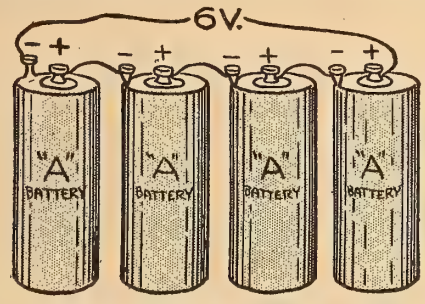


Figure 9. Dry cell A batteries. Four are shown here connected in "series."

or discharged. One should clearly understand that the purpose of an A battery in a Radio receiver is to heat the filament of the tube to a point where it will expell sufficient electrons to permit the B battery to function. It has no other reason for existance. A storage A battery should for general utility work have an ampere

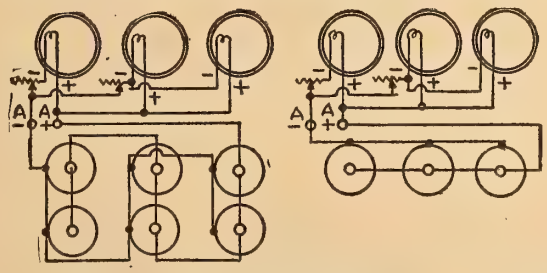


Figure 10, left, and Figure 10-A, right, for all 1½-volt tubes. Not less than one, preferably two cells, should be used for each tube.

hour capacity not less than 100. A smaller size requires recharging often while a larger size will be inclined to deteriorate through standing inactive too long before being recharged. This then means that in order to secure the greatest efficiency and longest life from a storage battery, it must be used, and at a fair ampere dischargal rate. An idle battery soon goes to the scrap heap.

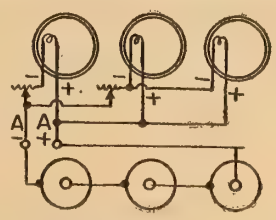


Figure 11. For one to three 3-volt tubes.

A batteries of the dry cell type, shown in figure 9, are preferred for use with tubes using less than ¼ ampere, such as 199's, or tubes of the 3-volt type. Perhaps the most important consideration for the securing of best results is the use of a sufficient number of dry cells connected properly. Figures 10 to 13-A, inclusive, show a number of ways of connecting dry A cells properly for various numbers and voltages of tubes.

Figure 13-B shows what is meant by "series" and "parallel" connections. Connecting in series means the connection of the center or carbon post of one cell to the zinc or outside post of the next cell. Connecting in parallel means connecting the center post of one cell to the center post of the next, and zinc or the outside post to zinc or outside post of the next cell. For illustration, a "bank" of four cells in parallel would have all four of the center or carbon posts connected together by one wire, and all four of the zinc or outside posts connected together by another wire. To connect such a bank in series to another such bank, connect the zinc post of one bank to the carbon or center post of the next bank, etc. Figure 13-A shows a series connection of four banks of two cells in parallel.

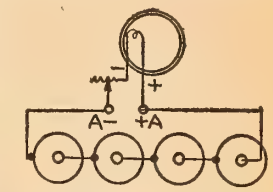


Figure 13. For one 5-volt tube, use four dry cells in series.

The B battery is that battery which supplies the energy which operates the telephones or loud speaker of the receiver. It is also sometimes known as the plate battery. B batteries are made commercially in two kinds. One, known as a wet or storage B battery, is shown in figure 14. The other, pictured in figure 15, is a typical flat type of dry B battery. In addition to the above, there are now available very commendable B battery substitutes which are known as B eliminators. As these have not come into general use by the masses we will confine our discussion to the types of B's shown in figures 14 and 15.

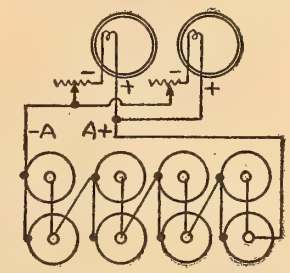


Figure 13-A. For two 5-volt tubes, use one bank of four dry cells in series for each tube.

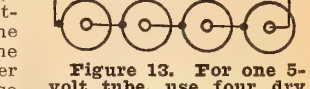


Figure 13-B. Top is "series"; bottom, parallel connection.

Contrary to the impression current in some localities, a wet B battery is preferable for all receivers in which the drain exceeds 16 milliamperes, and especially if the receiver is in fairly constant use. Wet B's are readily recharged, but have the disadvantage of requiring considerable attention. The more popular B battery is of the dry cell type. Recent improvement in manufacture have now provided dry cells which withstand heavy current drains and remain in efficient service for unbelievable periods. It has now become almost an axiom that all receivers using five or more tubes should use only the "heavy duty" type of B battery in order to secure the greatest economy of operation over a given period. Such batteries are made in the 45-volt size with 22½-volt tap.

At this point it appears as pertinent to the subject to contradict the thought that B batteries, of either the dry or wet cell type, cause noises in a receiver. Exhaustive tests with such batteries in every condition of charge have been made by no less an authority than the U. S. bureau of standards, but no noises attributable to the batteries were observed. It is true that loose

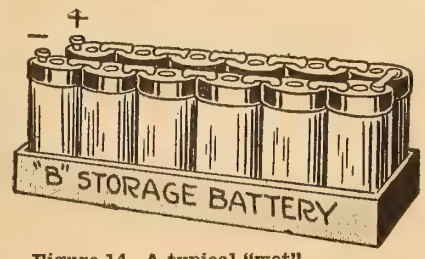


Figure 14. A typical "wet" or storage B battery.

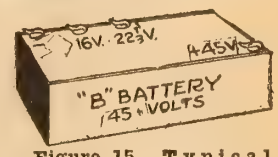


Figure 15. Typical block of "dry" B battery.

or corroded connections give an imperfect contact and sometimes a resulting scratchy noise, but when such connections are well made, one may as well look to some other portion of the circuit for the trouble.

Another point of equal value is the testing of batteries. How often have you seen them tested anywhere from fifteen minutes to an hour or more after the receiver has been turned off? All battery tests should be made when the set is in operation, not when disconnected. It is not the recovery voltage which you desire to learn, but the operating value.

Test your B or A batteries immediately after you have finished using the receiver and before shutting it off. All such tests should be made with a high-grade voltmeter. The 50 cents "and up" kind will do more harm to the batteries than good, while its readings are quite likely to be far removed from the truth. Thirty per cent below normal is the "cut-off" voltage. In other words, when a 45-volt battery declines to 32 volts, it has rendered value received and should be replaced.

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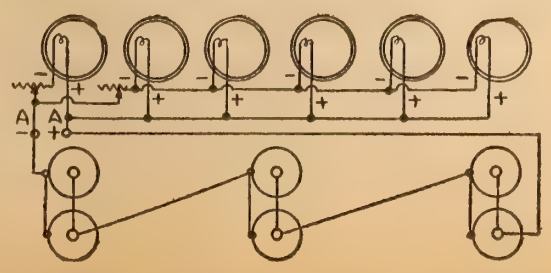


Figure 12. For one to six 3-volt tubes, the above arrangement is recommended as the best.

S-O-S: New Portable Super

AUTOMOBILE, Canoe, Motorboat, Beach or Camp--- All These Are Home to This Little Super-Heterodyne Which Is Easy and Reasonable for Anyone to Build.

By MILO GURNEY

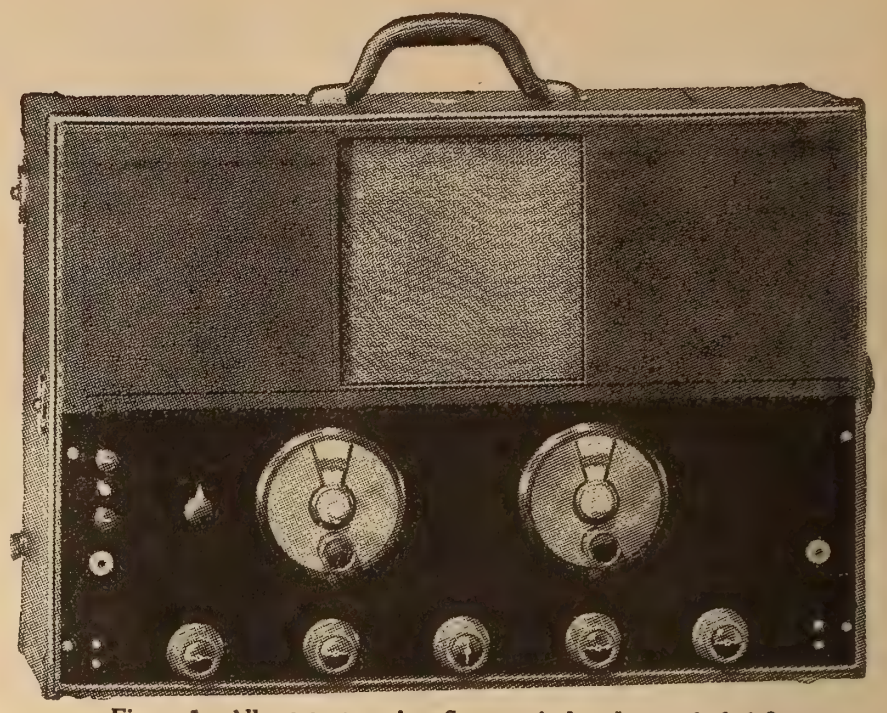


Figure 1. All set to tune in. Symmetrical and neat, isn't it?

NOW that many of the downtrodden are recovered from their annual attack of spring fever, comes vacation time and the lure of the great outdoors. Yet no vacation can be complete without a portable Radio receiver. The evening bedtime story, the voice of your favorite announcer, the "pep" of the Charleston, and the soothing melody of "Always" must be with one always.

The word "portable" as applied to a Radio receiver means much more than compactness. The set's design cannot be such as to over-crowd the parts, it should be adaptable to either antenna or loop reception, and it must insure a mechanical ruggedness which will permit of considerable rough handling without marring its efficiency. Beyond this, where possible, the finished receiver should present a pleasing appearance to add to its usefulness in the home.

In presenting a "how to build" article for Radio Digest's "S-O-S" portable, the author feels that this receiver combines in a marked degree many, if not all, of the desirable features required.

AS super-heterodyne circuits have passed through another eventful winter of experimentation and resulting betterment, we may then look to this circuit as most suitable for our purposes. It is also of interest that in building this circuit one has the advantage of using the new No. 171 Victoreen intermediate transformers, designed particularly for use with tubes of the 199 class. These transformers represent a new offering by the Geo. W. Walker Co., of Cleveland, Ohio. Their amplification factor and general operating performance make them stand out as distinctive in their field and well worthy of one's confidence.

As a portable receiver is subject to very severe shocks through handling and the microphonic noises incident to the use of 199 tubes must be circumvented, the selection of a suitable socket entailed a careful test of several makes. Our final selection was the No. 9040 Universal as manufactured by the Benjamin Electric Mfg. Co., of Chicago. Upon examination of this device, many very desirable features are disclosed beyond the novel method used for reducing microphonic effects. Taking advantage of one of these, it will be noted that the sockets are mounted in a reverse position underneath the sub panel, the socket base proper protruding up and through the panel, thus providing not only neatness in top sub panel appearance, but permitting the placing of all wiring beneath this panel without unsightly drill holes.

The variable tuning condensers offered another problem which was not easy of solution, as several factors bearing upon the final selection had to be met. First among these was the requirement that the condenser possess a mechanical ruggedness beyond that found in many makes of the so-called straight line frequency type. Of equal importance was the assurance that the rotating shaft carrying the rotor plates be so designed as to offer automatic compensation for wear, thus obviating the necessity of adjustment attention by the user.

The final selection was the type No. S. L. F. 1223 Amsco condenser, manufactured by Amsco Products, Inc., of New York city. This particular make possesses much which was desirable. The outer frame makes the condenser rigid and strong, while both the stator and rotor plates are wedged into machine milled bars, and in turn wedged into Radion supporting studs. The rotating shaft carrying the rotor plates is made of chromium nickle needle steel and fits into a locked bronze bearing. This bearing is split in order to offer a self compensation for wear, while a hardened steel washer is interposed in front between this bearing and the rotor bar. The opposite end of the rotor bar also fits into a bronze casing assembly and is provided with a steel ball thrust bearing. From the above description one will readily understand that a condenser constructed as is the Amsco has much to commend it as distinctly quality apparatus.

There is an old axiom which reads that no chain is any stronger than its weakest link. This applies very forcibly in the selection of fixed bypass condensers. While a more serious attempt has been made of late by several manufacturers to produce fixed condensers whose values will remain fixed and with the limits of error narrowed down to an acceptable point, we are still confronted with altogether too many brands in which one cannot place much confidence. In the selection of fixed condensers for Radio Digest's S-O-S portable, the experience of a great many manufacturers of Radio receivers was called upon, the final selection favoring Aerovox condensers, as designed and constructed by the Aerovox Wireless Corp., of New York city. The No. 1200 type which is used as the main bypass for radio frequency currents readily met the 500-watt breakdown test to which they were submitted. Contrary to the general impression, it should be understood that a discharging condenser is subject to very heavy surges. This discharge takes place as a successive ripple. At each peak the strain to which the holding plates are subjected is quite beyond that usually understood. Mechanical strength in addition to careful calibration of capacitive values are therefore important and are well met in the product mentioned.

POSSIBLY no product used as an accessory to a portable receiver is called upon to provide efficient service as are the filament and plate batteries. Of necessity space will not permit the use of husky, large capacity units, therefore one's selection must assure a make which enjoys a reputation for uniformity, a high recovery value and a construction assembly which, except under severe abuse, will give full value received. Of a few types meeting these conditions, the National Carbon company's Nos. 764 and 7111, were selected as representative of the high quality required. The name "Eveready" hardly needs additional mention. It is already generally established that products produced under this label will prove well adapted to the work in hand. The No. 764 B battery is of the heavy duty type, capable of withstanding the drain incident to the extended use to which receivers of this class are usually put.

It is apparent to the reader that it would be folly to make a selection of audio frequency transformers suitable for this receiver without ignoring all of the "boost" literature offered and selecting that make which in conjunction with the associated apparatus, offered the most pleasing reproduction. Fortunately, early in the making of such tests a transformer was found which (*Continued on page 30*)

LIST OF PARTS

4	No. 171 R. F. Trans.	Geo. W. Walker Co., Cleveland	$28.00
1	No. 150 Oscillator	Geo. W. Walker Co., Cleveland	5.50
1	No. 160 Antenna Coupler	Geo. W. Walker Co., Cleveland	3.50
2	No. R180 Audio Trans.	Thordarson El. Mfg. Co., Chicago	8.00
2	No S. L. F. 1223 .0005 mfd. Condensers	Amsco Products, Inc., New York	8.50
8	No. 9040 Cle-Ra-Tone Sockets	Benjamin Elec. Mfg. Co., Chicago	6.00
2	No. 103 Radio Jacks	Carter Radio Co., Chicago	1.80
2	No. 104 Radio Jacks	Carter Radio Co., Chicago	2.00
1	No. I. R. 400 Potentiometer	Carter Radio Co., Chicago	1.25
2	No. I. R. 30 ohm Rheostats	Carter Radio Co., Chicago	2.00
2	No. I. R. 6 ohm Rheostats	Carter Radio Co., Chicago	2.00
3	No. 7111 A Batteries	National Carbon Co., Chicago	1.50
4	No. 764 B Batteries	National Carbon Co., Chicago	7.00
7	Eby Binding Posts	H. H. Eby Mfg. Co., Philadelphia	1.05
1	Hammarlund .000045 Cond.	Hammarlund Mfg. Co., New York	1.80
2	No. 1175 .00025 Fixed Condensers	Aerovox Wireless Corp., New York	.80
2	No. 1092, 2 meg. Grid Leaks	Aerovox Wireless Corp., New York	.70
1	No. 1200, 1 mfd. Condenser	Aerovox Wireless Corp., New York	.90
1	No. 1250 .001 mfd. Fixed Con.	Aerovox Wireless Corp., New York	.40
1	7"x21"x3/16" Formica Panel	Formica Insulation Co., Cincinnati	3.44
1	7"x20"x3/16" Formica Panel	Formica Insulation Co., Cincinnati	3.28
1	Special Portable Cabinet	Knickerbocker Case Co., Chicago	12.50
10	Lengths Celatsite flexible wire, screws and miscellaneous materials		2.00
	Total Cost		**$103.92**

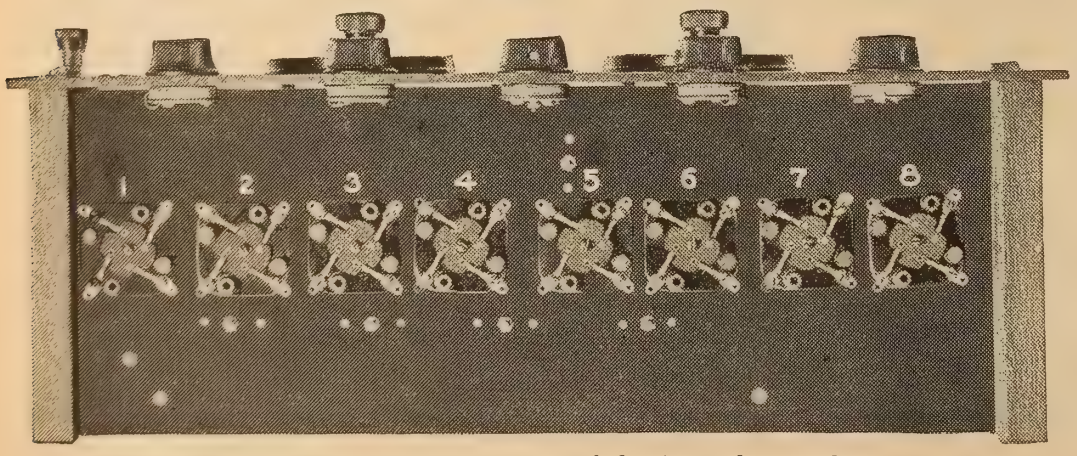


Figure 2. Bottom view of sub panel showing sockets in place.

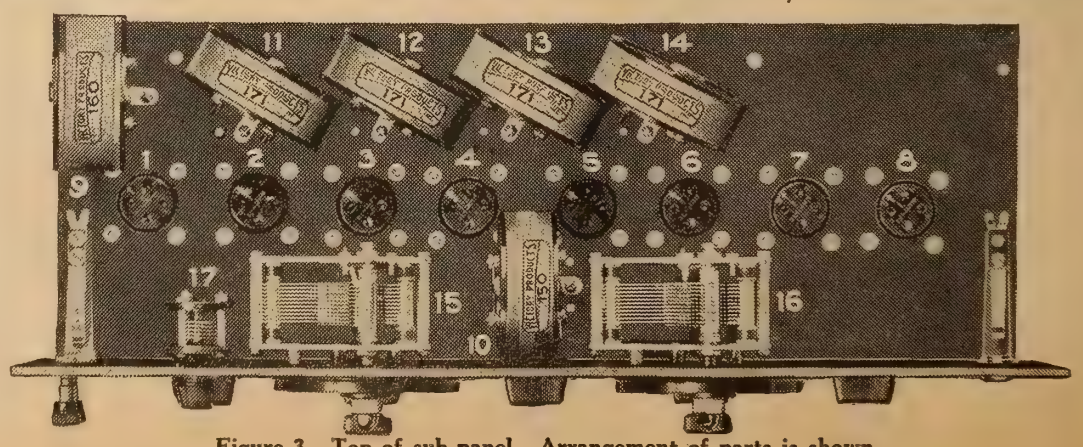


Figure 3. Top of sub panel. Arrangement of parts is shown.

Old Man Static's Funeral

PART III, in Which Is Described the Making of an Efficient Buried Antenna System

By MILO GURNEY

THE author is not "Bubbling Over" this morning—if you know what I mean. In truth, he lacks fifty pieces of silver. All of which is irrelevant, not admissible or pertinent to the subject of underground antennas. In the last article on antennas of this character a promise was made that suggestions would follow for experimentation with horizontal types of aerials. The details of these experiments, promised for the June 15 issue, will be delayed as the avalanche of mail on buried aerials has brought a few very valuable experimental ideas which are of such interest that all will want to learn of them.

May I then introduce Clifton G. Whitchurch, of Ardmore, Oklahoma. This gentleman has invented an underground system which is novel in design and, according to his statement, works very satisfactorily in his locality. We are taking the liberty of reproducing his description of the underground condenser antenna with the certainty that each of you will agree that his plan possesses merit.

Takes But Very Small Space

Mr. Whitchurch writes in part as follows:

"The antenna about to be described, is the result of a number of experiments conducted with the two objects in view, efficiency and adaptability for installation in a very small space. From my experience, it appears the first object has been attained while as to the latter, the reader is left to judge for himself. All that is required for the installation of this interesting experiment is a post hole digger, a space six inches in diameter and enough man power to sink the hole five or six feet deep.

"My experience has been with antenna coupled super-heterodynes and two stage radio frequency receivers. While ordinary loop aerial reception was also tried, the reception results with the underground system were considerably more uniform and static was reduced markedly. When using the loop a number of bloopers were ever present but with the underground aerial, but one or two of these tormenters were able to plow through. These were located so close I was compelled to admit they were neighbors.

"A defective electric lighting transformer was barely audible when receiving underground. With the loop and under the same conditions the noise from this transformer would drown out WBAP, Fort Worth, and WFAA, Dallas, Texas, 100 miles away. This interference was so pronounced on the loop that with loud speaker reproduction nothing but a roar could be heard. The receiver I am using is a seven tube Super-Autodyne. The loop employed when comparisons were being made is of the box type, 18 inches wide and 84 inches high. On stations farther than 200 miles away, the volume received favors the underground system. Under this distance, there is little choice so far as volume is concerned when using either the loop or underground systems. I believe the two stations mentioned, WFAA and WBAP, actually come in stronger when using the loop.

Underground System Beats Loop for DX

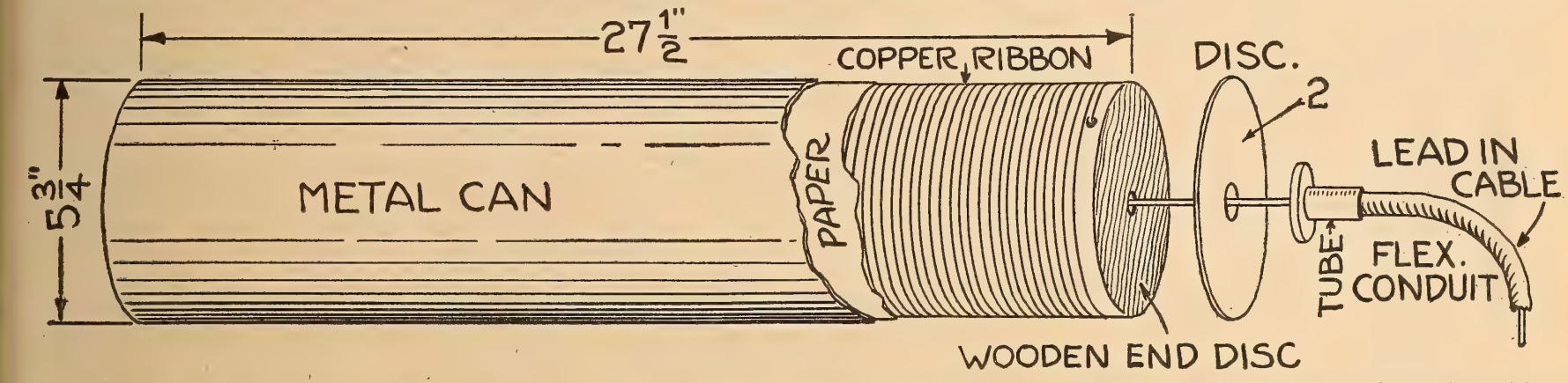
"On stations 500 miles or more distant, the use of the underground system brings in a very noticeable increase in volume over that obtained with the loop. In fact, it is observed that it is readily possible to bring in distant stations on the underground system which cannot be picked up at all when using the loop.

"The writer has not tried for extreme DX, all reception being secured upon a large concert type diaphragm loud speaker which lacks in great sensitivity. However, such stations as KDKA, WGR, WWJ, WSB, WSAI, WBZ, KFMX, CFCN, WMBF, KGO and KFI are received here, in Ardmore, Okla., with real volume, if one is to believe his neighbors in the adjoining block and compare with their stories. It is to be noted that the list of stations which I am able to receive, with the exception of the last few, are, as the Hired Hand at WBAP would say, 'Quite a fur piece frum here.'

"For the benefit of those who desire to construct an underground system such as I am using, the writer will attempt to outline the procedure. The dimensions may be varied. This may be desirable possibly for the particular make of receiver you are using, although in general the specifications given will apply to a great many receiver makes.

"The underground antenna specified contains 132 feet of ¼-inch flat copper ribbon. If this is not to be had, one may use an equal length of ¼-inch, 24-strand ribbon aerial wire. You will need a cylinder of either bakelite or paper 5¾ inches in diameter and 27½ inches long. If this diameter is not available, either a smaller or larger one may be used, making sure, of course, that if a smaller diameter cylinder is used, then the length will have to be increased, and vice versa for a larger cylinder." (For those not familiar with the method for determining the length of tubing required, the diameter times 3.1416 equals the length of a turn. Therefore the length per turn and the spacing will determine the total length of cylinder required.—Editor's Note.)

"The cylinder selected should have a sealing head disk of bakelite or wood at each end (see illustration). A ¾-inch hole ½ inch deep should be drilled in one of the heads at its exact center. Next drill a ⅜-inch hole ¼ inch from this same end of the cylinder and on into the center to intersect the hole in the center of the head. These two holes now form an outlet for one end of the winding to pass through. It is needless to mention that if a paper cylinder is used, it should be thoroughly dried and given a coating of hot paraffin.



Directions for Winding Cylinder

"We are now ready for the winding which is done with ¼-inch copper ribbon or braided tape. Insulate the starting end of this ribbon for about 3 inches, wrapping with electricians' tape, and insert this insulated end in the outlet just drilled so that about ½ inch protrudes from the center hole in the sealing head. Fill the hole with hot paraffin and allow it to harden. You may now begin the winding, which should be spaced 1/16 inch between turns, and continue until the whole 132 feet have been wound upon the form. The finishing end may be brought through the tube head at the reverse end from the beginning and sealed off with paraffin or sealing wax, or fastened in any convenient way as no connection is made to it. The winding finished, dip the whole in a bath of hot paraffin and then allow to cool. Follow this procedure by wrapping on two layers of insulating paper, which may be any high-grade glazed paper, over the wound form and again dip in the hot paraffin bath and allow to cool.

"We are now ready to construct the housing or can for the underground antenna. This will require a sheet of either copper or tin 20 by 28 inches in size, providing the size cylinder specified was used. This sheet should be formed into a cylinder by a tinsmith. Do not solder the seam, but first insert the wound form. Once this is accomplished the seam may now be drawn together tightly over the wound form and securely soldered water tight. This forms a continuous cylinder which should be sealed at the ends by covering with copper or tin discs which are also be soldered to the enclosing can. Before doing this, however, one of the metal heads (marked 2 in the illustration) should have a 1½-inch center hole made in it for the lead to be taken out. The completed can will now appear with only one center of the winding form visible and its associated ribbon terminal drawn through.

Bringing Out the Lead-In

"To the exposed terminal of the ribbon solder a two-foot length of stranded ignition cable and tape the joint. Covering this cable and soldered to a center hole covering disc of tin should be a two-inch length of metal tubing. When in place this tube and disc are soldered to the end covering disc so as to be water tight and the tube should be filled with sealing wax or hot paraffin. To the exposed end of the cable is then soldered your lead-in which should consist of either number 12 or 14 solid copper insulated lead-covered wire. The connection so made must be well taped with electricians' tape and likewise dipped in hot paraffin. The sheath of the lead cable is to also be soldered with a length of wire to the metal can, but you are warned that considerable care must be exercised in doing this so that you will not burn the lead covering.

"We are now ready to install the antenna, which will require a hole 6 or 7 inches in diameter, or just large enough to admit the can. This hole should not be less than 5 feet deep and preferably 6 feet.

"The hole finished, lower the "canned" antenna clear to the bottom and pour thin mud over it, being careful to hold the can down with a stick while so doing in order to keep it from floating. Gradually fill the hole with dirt, keeping it more or less watery. One foot from the top, the process of watering may cease, and the remainder of the hole can be filled with dry dirt and thoroughly tamped.

"The exposed end of the copper wire in the lead-covered cable is to be attached to the antenna post of your receiver, while the ground post of the receiver is to remain attached to the ground you are now using. If your receiver is grounded and shielded, you should solder the sheath of the cable to such shielding. If not shielded and you care to go to the trouble of doing so, you may expect added selectivity as a reward for your efforts.

At first, one may not secure the results anticipated as it takes some time for the total condenser effect to function. There will be many successes and no doubt an equal number of failures. An underground antenna that will work wonderfully in one locality, very often refuses to function well elsewhere.

Mr. Whitchurch's article was not quite clear in some of its statements. However, the specifications in general are quite complete and we are of the opinion that this gentleman would be pleased to correspond with those who would care to write him.

(Another very successful type of underground, static reducing antenna, which has the obvious merit of being simple to make, will be described by Mr. Gurney in the mid-June issue of Radio Digest, out June 14.—Editor's Note.)

IT'S TIME FOR SPRING CLEANING

(Continued from page 9)

C batteries are made only in the dry cell type and range in voltage value from 1½ to 22½ volts. They generally are inserted in the grid circuits of audio frequency amplifiers, although they are also employed in the radio frequency amplifiers of some circuits. Their purpose is to place a negative charge upon the grid of the tube, thereby forcing it to operate with more clarity. In addition, such a negative charge materially reduces the current flow from the B battery, thus lengthening its life. Very often this current reduction amounts to one half of that normally taken by the receiver, hence it is obvious that C batteries should always be used for economy's sake without regard to the improved quality. C batteries have "shelf" life, or from six to nine months.

When testing a wet or storage A battery, the use of a hydrometer is to be preferred. With your storage A battery instruction sheet or with the hydrometer will come a list of hydrometer readings to guide you in the proper charging periods of the battery. In general, however, a wet A battery is fully charged when its hydrometer reading is 1280 to 1300, and it will require recharging when the specific gravity or hydrometer reading has dropped to 1250, the danger line usually being 1225. These values may differ slightly from various instruction pamphlets but in general may be relied upon.

Another test of the state of a storage A battery is to use a voltmeter. When using such a device, do not make the mistake of turning off the tubes and then taking your reading. You can only determine the actual condition of your battery through testing it when the tubes are turned on.

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For Radio Skeptics

YOU who have friends that still remain skeptical as to the arrival of Radio as an institution, read to them this editorial. Let them be not afraid of investing in a good Radio installation. The day of Radio is here and will stay for many years to come.

Dr. J. H. Dellinger, chief of the Radio section of the United States bureau of standards, Uncle Sam's final authority on Radio, has very recently stated that Radio is now definitely established as a practical, dependable, permanent utility for everyday use.

Dr. Dellinger believes that the newest and most recently designed sets on the market cannot be improved to any considerable extent so far as service is concerned. He thinks future improvements in broadcasting will be in the transmitting rather than receiving end.

The day of rapid changes in Radio models, Dr. Dellinger says, has passed. Following the period of experimental development, during which the market was flooded with scores of "sets" of all degrees of receptivity, the industry has now settled down to the production of a relatively few standard, high class sets, expertly designed and substantially built, which may be expected to give as good results five, ten or fifteen years from now as they do when new.

"There is no longer any more reason for waiting to buy a good Radio set," says Dr. Dellinger, "than there is in waiting to buy a good piano. While there doubtless will be occasional refinements in receiving equipment, these are not likely to affect appreciably the comparative value of the standard sets of today. Tubes, of course, will lose their efficiency after from 1,000 to 2,000 hours of use, but most of these can be reactivated at small cost. The set as a whole, however, will retain its efficiency and value indefinitely."

Tell your doubting friends what they are missing. Tell them what this high authority has said. An investment in good receiving equipment is lasting, profitable and may not be classed as a luxury.

Playful, Joking Stage Hands

NOW the stage hands are gunning for the broadcasters. In Omaha, we learn, the stage hands' local union has been eyeing WOAW and other stations jealously, and wondering if there isn't some excuse by which the broadcasters can be forced to employ one or more invisible scenery shifters.

We do not laugh at this suggestion because it is a move of organized labor. We honestly believe in organized labor's collective bargaining system where it is of benefit to the welfare of the public. But we laugh at this one originated by the Omaha stage hands because it is so utterly ridiculous from every viewpoint.

The stage hands would find a job where there is no work to do. Perhaps they would go so far as to coerce stations and force them each to employ a high-priced union stage hand to sit around and twiddle his thumbs. Mr. H. H. Bushey, business manager of the Omaha local, who started the movement, evidently suspects the broadcasters of having various concealed "sets" and "drops."

Broadening Religious Beliefs

RADIO and economics together are working one of the greatest changes in the worship of the Deity in the United States that this country has ever known. The broadcasting of religious services, be they denominational or non-denominational, is showing its effect on the various creeds. People are beginning to realize that, after all, every religion is working toward the same general end.

Since the advent of Radio, church memberships have increased in this country far beyond their normal growth.

Radio can be thanked for this broadening of public thought, this widening of the belief of religious minded people. Perhaps the very expanse, the wide reaches of space covered by this new medium of microphone and loud speaker, have help the minds of the listeners to expand and take cognizance of the many ways of arriving at the same goal.

RADIO INDI-GEST

Indi-Gest Poets

The Indi-Gest Poets come and go,
Some give up when ideas come slow;
They sail like a meteor 'cross the sky,
A flash for a minute, then fade and die.

Rhea did well in verses light,
'Till she sponsored one entitled "Night,"
That strain was too much,—the next she cast
Was in primer style, and that was her last.

The Trombone man sarcastic gets,
I judge by his stuff he is one of the Wets.
They say that he lives beside the lake
So should have no trouble his thirst to slake.

This writer has taken a few months' rest,
But is in again as a "Colyum Pest,"
At the start, perhaps, a little bit lame,
But able to play to the end of the game.

GEORGE

George, Indi-Gest's roaming bard, who has the world's largest portable set, is back with us. Greetings! His receiver is in a commissary box car which travels all around the country and is now anchored temporarily at Red Cloud, Nebr. He has just sent in a bunch of lilting rhyme, and Indi is glad to promise you one of George's best, "Railroad Radio," next issue.

To Old King Tutt

My dear Majesty: I wish to express my approval of your poetic protest against the feminizing of Radio Digest. Women are all right in their place. For instance, the hot mamas on the front page and the Hey Hey girls on the Advance Program pages are all right I say. But when the sweet, young things write about the lavender eyes of Oswald Maraschino and the lavender whiskers of Gerald Fromage, it is time that the honest voice of yeomanry be lifted in protest. Whither are we drifting?

In this connection I will say that this "Betty" jane may be on the level. However, I strongly suspect that the "Marcella" kid is the bunk. I don't think she is a she. By this I mean that one of the lads in the office, is grinding this stuff out and kidding the general public. Maybe the bird smokes an ancient corn cob pipe and gleefully rings a bull's eye in the goboon while he pens such gems as "effervescing youth and ambition," "I have did my darndest," "both wear neckties and shoes." I have written to the management but received nothing definite in reply. Maybe "Indi" himself writes this bunk while in a girlish mood.

Again expressing my approval for your manly stand, I am, very truly yours,

THE THIRD TROMBONE PLAYER

——— HIM!

Who fills my den with awful noise,
Destroying peace and equipoise,
Wrecking nerves and avoirdupois?
The blooper.

Who, playing pinwheels with his dials,
Uncorks each night the seething vials
Of my wrath—though he be distant miles?
The blooper.

Who inspires in once gentle breast
Base impulse of homicide to rest,
Till it seems no crime to kill the pest?
The blooper.

J. E. R.

Intermission Idiosyncrasies

A. C. S. Announcing

"At 9:45 Willie Westfall, the child wonder of New York and New Orleans will render a violin solo, 'Wishes and Wisteria.' One audience called it hisses and hysteria. Willie, we would like to state, has played before many of the crowned heads of Europe, and a few that ought to be crowned—with a two dollar catsup bottle or a stocking full of T.N.T. However, you may enjoy this solo number immensely. We'll be satisfied if you are."

ARTHUR C. STOWELL

Dr. B. G. Clausen, broadcasting his evening church services over WGY recently, surprised his congregation by bursting into song right in the middle of his sermon. His solo consisted of a negro spiritual. Whereupon, we assume, a number of sleeping masculine pewholders and Radio fans were awakened, thinking they had tuned in on WEAP, the Fort Worth Star-Telegram in action.

Static Cure in Six Operations

Dear Indi: I have a static eliminator hook-up well worth your consideration. It is as follows:

(1) Dig up aerial. (2) Climb up on the house and take down the ground. (3) Remove all batteries, placing them in a strong cardboard box made of wood. (4) Disconnect loud speaker horn from unit. Place in a prone position standing up straight in the box. (5) Pack all tubes in the family flivver's tool box, so that they won't get broken. (6) Place a can under the grids to catch all the leaks. (7) Place the set in the box in an oblong position flat on its back, pack in sawdust, and place box in dark attic until next fall.

Results: This is the best method I have ever tried. It eliminates practically all static.

M. G.

FRANQUE'S FILOSOFEE

Every tube has a silvered lining.

INDI

Oh Say Not So!

Condensed

BY DIELECTRIC

The transition has been made from winter schedules to those better suited to warm evenings; where listeners suffer some discomfort if they choose to tune in broadcasting stations on their circuit. No longer do we have the "all classical" programs, though many studios continue to feature classical numbers, instead music of a lighter vein comes into the loud speaker. Continuity programs have lost none of their attraction to the great majority of Radio auditors and we may expect them to continue unabated throughout the season of heat and static. Fortunately, this type of entertainment is provided by local broadcasters in their own studios, or rebroadcast from some metropolitan station.

It is intended to review here the closing concerts featuring works by old masters and presented by well-known artists of this country and Europe. Beginning with that Atwater Kent concert in which Mme. Frances Alda made her Radio debut, there is an inclination to dwell not only on her versatility but Strad quality of tone—bright and silvery. Her choice of songs showed intuitive discernment of the cosmopolitan tastes of the hundreds of thousands listening and a courteous acknowledgment of their right of appeasement. Personally, the violin playing of Mr. Corliagni was received with enthusiasm, as he possesses charm of style, musicianship and a tone quality rich and pure.

While the Schola Cantorum was known outside its immediate home territory before that eventful night when a chain of broadcasting stations introduced it to countless others, still it never could have merited warmer praise than on that occasion. The tonal sweep of the trained body of voices through selections of impressive grandeur, into songs of vivacity and changing mood, attacking contrapuntal fugue-like compositions with perfect rhythmic balance, these were some of the accomplishments which made friends far and wide over the country—and deservedly. No particular distinction should be made between the excellence of one choir and any other, for each helped form the whole.

When at last the final gala concert of the winter series of concerts sponsored by Mr. Kent had come to its close, all those who had followed from Sunday evening to Sunday evening the appearance of one after another of the foremost artists of the world, a feeling of real gratitude was felt toward the man responsible for it. Allan McQuhae's fresh Irish tenor, Maria Kurenko's unapproachable coloratura singing, Albert Spaulding's seasoned art as a violinist, Josef Hofmann's virile masterly pianism; there indeed was a musical feast seldom offered to any paid audience—yet presented gratis to all who might listen.

Rodman Wanamaker is the possessor of a collection of old violins of great value—both intrinsic and commercial—which he graciously permitted members of the New York Philharmonic orchestra to play in the studio of Station WJZ, New York. Fiddles are heard everywhere and quickly discernible to the persons acquainted with the masterpieces of Italy, France and Germany, and a great many more folks now know what music can come from one of these instruments. The cello (noted among collectors of rare old instruments) made one fairly weep as its gorgeous wealth of tonal beauty came through the speaker into the quiet homes of a myriad of listeners. Radio displays these, without fear of damage to their priceless varnished surfaces, before an audience too large to handle otherwise.

A. T. & T. DIVORCES ITSELF FROM WEAF

INTERESTING NEWS BRIEFS AND BROADCASTING BITS

C. B. Locke Leaves WBAP—No Radio Forecasts Yet—"Subpoena" Wendell Hall—Hamm on Air

The broadcasting activities heretofore carried on by the broadcasting department of the American Telephone and Telegraph company, under general designation of WEAF, have just been incorporated under the name "Broadcasting Company of America." Inasmuch as broadcasting service is apart from telephone service in its special problems involved, the separate corporation was deemed advisable. The new company, of course, is owned entirely by the A. T. and T.

* *

C. B. Locke, popular WBAP announcer and Radio editor of the Fort Worth Star-Telegram, has resigned to go into Radio sales work. Roland Perry, a member of the Star-Telegram editorial staff, has been promoted to the positions vacated by Mr. Locke.

* *

A nation which enjoys good music will never turn bolshevik and singing workmen will do better work and lead happier lives, says Powel Crosley, Jr., owner of Station WLW and the Crosley Radio corporation at Cincinnati. This Radio industry leader declares that the musical efforts of the broadcasters are working for the more peaceful spirit of the nation and the greater enjoyment and contentment of its citizens.

* *

At the present time the weather bureau of the degartment of agriculture will not attempt to make "Radio Forecasts," a service it is often called upon to give. People want to know in advance whether or not the listening will be good or bad on certain evenings, and what parts of the country can be heard best. But at this time, the weather bureau says, the reliability of such forecasts would be very questionable.

* *

Speaking of Radio, Dr. Herbert A. Fricker, Canadian critic and noted choir leader, has made the statement, "The new science is bringing music into her own as perhaps the most valuable of all the arts to humanity at large." The strained nerves of the present generation need a soothing influence, the noted critic remarks, and this is now within reach of even the most humble of our citizens.

* *

Wendell Hall and his wife, when they made their appearance in Fort Worth, Texas, were immediately served with a subpoena by the grand jury, demanding that they stay in Fort Worth. Inasmuch as the Star-Telegram station, WBAP, wanted the "Red-Headed Music Maker" on hand at all times, and WFAA, at Dallas, was close by, WBAP officials decided that the safest way to keep him in Fort Worth was to subpoena him. The grand jury obliging, the plot was carried out, and WBAP listeners benefited to the discomfiture of the touring ukulele songster and his charming wife.

* *

Dedication services of the new East Lansing Peoples' church, erected recently at East Lansing, Mich., and costing $350,000, were broadcast by Station WKAR, the Michigan State college broadcaster. Four denominations, Baptist, Methodist, Congregational and Presbyterian, took part in the dedication services.

* *

Fred Hamm and his orchestra are back on the air. The original "Bosses' Own" music makers whose lilting refrains have been heard during the past two years by millions of listeners from the popular Elgin stations, WTAS and WCEE, recently began an indefinite engagement at the "Purple Grackle" Spanish restaurant two miles East of Elgin, and are being broadcast by WGN and WLIB nightly.

* *

A hook-up of twenty-six of the largest broadcasting stations carried the principal addresses and proceedings of the forty-ninth annual convention of the National Electric Light association which was held in Atlantic City recently.

* *

Prizes announced by Warner Brothers to hamdom for the best logs submitted covering the two-way conversations on 40-meter waves between 6KY, Hollywood, Calif., and 6XBR, portable broadcaster now on tour of the Pacific northwest and intermountain states, have been increased to a total of $1,200. The time of the exchange of messages is also changed to 9:30 p. m. Pacific time, or 11:30 Central standard time. The first prize is $500 in cash. 6XBR wil circle the world in its tour.

* *

Americas' first avowed school of instrumental syncopation has been opened in New York city by Ben Bernie, famous WEAF orchestra leader. All kinds of jazz instruments are taught in courses of instruction modeled after the accepted plans used by the standard schools of classical music.

* *

When the 1926 National Balloon races were started recently from Hot Springs, Ark., every one of the ten starting balloons was equipped with a Radio receiving set. This is the first time in history that all have been so equipped. The reason for the popularity of the receivers may be attributed to the success of Pilot Van Orman of the Goodyear IV, who for the past three years has won the races. Station KTHS, New Arlington hotel here, broadcast every detail of the races and gave the pilots periodic weather reports.

* *

A mystery broadcaster whose owners are cursed with a misplaced sense of humor has frightened Los Angeles, Calif., listeners several times recently with fraudulent warnings. Once the news was broadcast that a hurricane was sweeping down the San Fernando valley and threatening Los Angeles. Again, a fictitious warning was given that the big Hollywood dam in the hills was about to burst and flood the northern half of the city. Considerable work was necessary to restore the peace of mind of citizens. Inspectors are searching for the offender.

HIRED HAND-SUNFLOWER GIRL DUET

Here they are—both of them—the Sunflower Girl and the Hired Hand. The picture was taken in the studio of WLS, Chicago, where this famous pair from WBAP, the Fort Worth Star-Telegram, had occasion recently to visit. "Just finished sweepin' out the microphone and thought I'd do a little announcin'," drawls the Hired Hand, laying down his broom and picking up homes all the way to Texas and the Southwest. The Hired Hand is known to the income tax collector as Harold Hough. He admits he is about 32 years old, his eyes are "sorta" gray, and he has a voice and a way that girls wake up in the middle of the night to remember. His piano playing, crooning team mate is equally famous.

NEW UX-171 RADIOTRON POWER TUBE APPEARS

Is Designed for Use in Last Audio Frequency Stage

NEW YORK.—In order to provide still greater power from the storage battery receiver, yet without the need for alternating current supply, there is now introduced the new UX-171 Radiotron. This tube, although no larger than the UX-112 type, is capable of supplying an amazingly large volume of undistorted output to the loud speaker; and as is the case with other types of power tubes, it is intended for use only in the last stage of an audio frequency amplifier.

The new UX-171 tube may be operated from a six volt storage battery through a five or six ohm rheostat or if preferred, it may be operated from a five volt source of alternating current. The maximum plate potential of this new tube is 180 volts. The negative grid bias or C battery should be 40.5 volts for the full 180-volt plate potential. The filament current is .5 ampere.

Duke Moves Radio Set First

LONDON.—When the Duke of York, the Prince of Wales' younger brother, moved house here recently, the first thing to be unloaded at his new home from the removal truck was a Radio receiver with square frame aerial.

Radio Club Notes

Station CKY of the Manitoba telephone system has inaugurated a systematic study of receiving conditions throughout the Province of Manitoba. Trained observers in the company's employ have been appointed at stragetic points in the province and they are reporting daily on receiving conditions, noting in particular such interference as may exist and its probable cause. These reports are telephoned each morning to CKY, where a summary is made and broadcast at noon, It is hoped that much of value will be learned regarding Radio phenomena as a result of this survey. As CKY is the first station in Canada to undertake a work of this kind, their summaries should be of marked and valued interest.

* *

Radio clubs will be interested in the following tabulation of types of interference encountered by 148 persons to whom questionaires were mailed.

Induction noises, 58; radiating receivers, 50; spark interference, 17; satisfactory reception, 23.

From the above figures it is apparent that our old enemy the "Blooper," is not to be blamed for everything. Induction noises run a close race, well out in front, while spark trouble comes in for a share of the blame. But why have nearly fifty per cent of the trouble arising from bloopers? Be a good fellow and show your blooping friend how to tune his "getter," as one fan terms his Radio.

* *

City Attorney A. H. McMillan, of Bay City, Mich., recently submitted to his city commission the draft of an ordinance to regulate the operation of Radio receivers and to prevent unnecessary interference. The ordinance provides, among other features, the licensing of all receivers. A two dollar license fee is suggested. We await with interest the final disposition of this draft, as it is somewhat doubtful whether such an ordinance could be enforced.

MANUFACTURERS MEET

(Continued from page 3)

under the direction of President Frost, new officers were elected for 1926-27 as follows:

President, A. T. Haugh, King Mfg. Co.; secretary, L. G. Baldwin, Willard Battery Mfg. Co.; treasurer, P. C. Lenz, Runzell-Lenz Co.; directors-at-large, Carl Boyd, Reichmann Co., Powel Crosley, Jr., Crosley Radio Corp., Vernon Collemore, Atwater Kent Mfg. Co., E. F. McDonald, Jr., Zenith Radio Corp.; directors of eastern division, H. H. Eby, H. H. Eby Mfg. Co., C. C. Colby, Samson Elec. Co., E. M. Squarely, U. S. Tool Co., Godfrey Gort, L. S. Brach Mfg. Co., S. B. Trainor, Amplion Corp. of Am., B. H. Price, Amsco Products Co., H. H. Frost, E. T. Cunningham, Inc.; directors of western division, Leonard Parker, Stewart-Warner Co., Towner K. Webster, Ekko Co., J. A. Bennan, Jefferson Elec. Mfg. Co., W. W. Dowdell, Sterling Mfg. Co., Harry Bradley, Allen-Bradley Mfg. Co., Jess Hawley, Newcomb-Hawley Co., Harry Simpson, Maring Wire Co., D. MacGregor, All-American Radio Corp.

The first named director in each of the three groups are also first, second and third vice-presidents in the order named.

LABOR BODY DEFIES U.S. AND NABS WAVE

INSISTS ON HAVING BROADCASTER REGARDLESS

Chicago Federation Threatens Opening Up on 491.5 Meters Now Used by WEAF and KGW

CHICAGO.—Before this is read, the Chicago Federation of Labor has threatened to have its broadcasting station in operation here, on the same wave length as WEAF, namely 491.5 meters.

The Chicago labor body has been attempting for some time to secure a wave length, but has been refused by the commerce department whose officials say there are already too many stations in Chicago, and besides they haven't any wave lengths.

But that has only put the fight into E. N. Nockels, secretary of the Chicago Federation, who says, "We will be within the law, because the law requires the department of commerce to issue a license to any completed station that makes application.

Won't Let A. T. and T. Monopolize

"Dragging through the courts would take too long. The wave length of WEAF is not used west of New York, and we do not feel that the American Telegraph and Telephone company should be permitted to monopolize the air."

Here Mr. Nockels erred, for KGW, Portland, Ore., uses the same wave as WEAF.

Regardless of the error, however, fans and other broadcasters are interestingly awaiting the fireworks which are bound to occur if WCFD, the labor station's call, opens as scheduled on WEAF's wave. The station is located on the end of the Chicago municipal pier.

Real Wedding to Go on Air June 1 from WHT

USL Honeymoon Winners to Be Married in Studio

CHICAGO.—As often as Al Carney has played the wedding march on the studio organ at WHT, he has never played it for an actual wedding ceremony. So it will be for the first time that he will play it when Charles E. Riddle and Irma O. Schertz are married in the studio on the night of June 1 by the brother of the groom, the Rev. E. M. Riddle.

The studio will be turned into a chapel. Floral decorations will cover the walls and adorn the organ manual at the east end of the studio which will serve as an altar. A choral program consisting of appropriate anthems will be arranged for the occasion.

After the ceremony the couple will be taken to Niagara Falls as guests of the United States Light and Heat corporation. It was this company that offered a week's entertainment in the "honeymooners' paradise" for the best suggestion for a USL program to be put on the air by WHT. The contest ended March 1. Mr. Riddle and Miss Schertz won with their suggestion, which will soon appear on the WHT program.

"La Presse" Records Listeners' Favorites

Enterprising Phonograph Company Then Sells to Fans

MONTREAL, Que.—An entirely novel way of bringing Radio entertainers into more personal contact with listeners has been inaugurated recently by CKAC, La Presse station, here.

Whenever a popular entertainer faces the microphone and renders a special number which has been requested by over 500 fans, arrangements are made with a local phonograph record manufacturer and one or two of these numbers are registered via CKAC through the registering laboratories of the local firm.

The first of these to be most successfully recorded and put on sale the following day were the "Palms" and "Hosanna" as played by Norton H. "Buddy" Payne, popular organist of the Canadian Famous Players Capitol theater in Montreal.

The numbers were played during one of his bi-monthly Thursday night organ recitals. In less than four days over 3,000 of the records were sold in and around Montreal.

AN EVENING AT HOME WITH THE LISTENER IN
IN CENTRAL TIME

Call	Location	Met.	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday
AT9	Fort Bragg, N. C.	435	Silent	5:00- 6:00	Silent	Silent	Silent	7:00- 8:55	Silent
CFCA	Toronto, Ont.	356.9	Silent	6:00- 8:00	5:45- 6:45	Silent	6:00-11:00	Silent	Silent
CFCN	Calgary, Alta.	356.9	11:00- 1:00	Silent	Silent	Silent	Silent	9:00-10:00	Silent
CJCA	Edmonton, Can.	434.5	10:00-12:00	8:30- 9:30	8:30-10:30	8:30- 9:00	7:00- 9:00	10:00-12:00	9:00-12:00
CKAC	Montreal, Que.	516.9	5:15-10:30	12:45- 3:45	Silent	5:15- 9:30	Silent	6:30- 7:30	Silent
CKCL	Toronto, Ont.	410.7	5:00- 6:00	1:00- 2:55	Silent	5:00- 9:50	Silent	5:00- 6:00	Silent
CKNC	Toronto, Ont.	356.9	6:00- 8:00	Silent	6:00- 9:00	Silent	Silent	Silent	Silent
CKY	Winnipeg, Man.	384.4	8:00-11:00	7:00-10:00	8:00-12:00	Silent	7:30-11:00	8:30-11:00	Silent
CNRO	Ottawa, Ont.	434.5	6:30-11:30	Silent	Silent	Silent	6:30-11:30	Silent	Silent
CYL	Mexico City, Mex.	480	Silent	9:24-10:54	Silent	9:24-10:54	Silent	Silent	9:24-10:54
CZE	Mexico City, Mex.	350	8:24- 9:24	Silent	8:24- 9:24	8:24- 9:24	8:24- 9:24	8:24- 9:24	8:24- 9:24
KDKA	Pittsburgh, Pa.	309.1	5:30- 8:55	3:00- 7:45	5:30- 8:55	5:30-11:35	5:30- 8:55	5:30-11:00	5:30-10:05
KFAB	Lincoln, Nebr.	340.7	5:30- 2:00	4:00-11:00	5:30-10:30	5:30-10:30	5:30-10:30	Silent	5:30-10:30
KFDM	Beaumont, Tex.	315.6	Silent	8:00- 9:00	Silent	8:00-10:00	Silent	Silent	8:00-10:00
KFH	Wichita, Kan.	267.7	7:00- 8:00	7:15- 8:15	7:00- 8:00	7:00- 8:00	7:00- 8:00	7:00- 8:00	7:00- 8:00
KFI	Los Angeles, Cal.	467	8:00- 5:00	6:00- 1:00	8:00- 1:00	8:00- 1:00	8:00- 1:00	8:00- 1:00	8:00- 1:00
KFJF	Okla. City, Okla.	260.7	6:00- 1:30	2:30-11:45	6:00-10:45	6:00-10:45	6:00-10:45	6:00-10:45	6:00-10:45
KFKX	Hastings, Nebr.	288.3	5:30- 6:30	Silent	5:30-11:00	5:30- 8:00	5:30-11:00	5:30- 8:00	5:30-11:00
KFMX	Northfield, Minn.	336.9	Silent	7:00- 8:00	Silent	9:30-10:00	9:00-10:00	Silent	10:00-11:00
KFNF	Shenandoah, Ia.	263	7:00-12:00	2:30- 8:30	7:00- 9:00	7:00- 9:00	7:00- 9:00	7:00- 9:00	7:00- 9:00
KFOA	Seattle, Wash.	454.3	11:30- 1:00	Silent	9:00-12:00	8:00- 1:00	9:00-12:00	Silent	8:00- 1:00
KFON	Long Beach, Cal.	232.4	8:30- 2:00	8:30-12:00	8:30- 2:00	8:30- 1:00	8:30- 1:00	8:30- 2:00	8:30- 2:00
KFQB	Fort Worth, Tex.	508.2	8:30- 9:30	3:00- 8:30	8:30- 9:30	8:30- 9:30	Silent	8:30- 9:30	8:30- 9:30
KFRU	Columbia, Mo.	499.7	Silent	7:30- 8:30	6:15- 7:15	6:15- 7:15	9:00-11:30	6:15- 7:15	12:00- 2:00
KFUO	St. Louis, Mo.	545.1	7:45- 8:45	9:15-10:15	8:00- 9:00	6:30- 7:30	9:15-10:15	Silent	9:30-10:30
KFVE	Univ'ty City, Mo.	240	9:15-10:15	Silent	9:15-10:15	9:15-10:15	9:15-10:15	Silent	9:15-10:15
KFWA	Ogden, Utah	260.7	10:00-12:00	Silent	10:00-12:00	Silent	10:00-12:00	Silent	10:00-12:00
KFWB	Hollywood, Calif.	252	8:30- 1:00	11:00- 1:00	8:30- 1:00	8:30- 1:00	8:30- 1:00	8:30- 1:00	8:30- 1:00
KFWI	San Francisco, Cal	226	Silent	10:00- 2:00	10:00- 2:00	Silent	10:00- 3:00	12:00- 2:00	10:00- 3:00
KFXF	Colorado Springs.	250	10:00-12:00	Silent	9:30-11:30	9:30-11:30	Silent	10:00-12:00	10:00-12:00
KGO	Oakland, Calif.	361.2	10:10- 2:00	5:30-10:30	8:00-12:00	8:00- 2:00	8:00- 8:55	10:00- 2:30	8:00- 8:55
KGW	Portland, Ore.	491.5	8:00- 2:00	9:30-12:00	8:00- 2:00	8:00- 2:00	8:00- 1:00	8:00- 2:00	8:00- 2:00
KHJ	Los Angeles, Cal.	405.2	9:30-12:00	6:00-12:00	Silent	9:45-12:00	10:00-12:30	9:45-12:00	9:30-12:00
KIAF	Sihtipok, Minn.	421	Silent	4:00- 5:00	9:00-10:00	Silent	9:00-10:00	Silent	9:00-10:00
KJR	Seattle, Wash.	384.4	10:30-12:00	7:00-12:30	9:00-12:00	9:00-12:00	9:00-12:00	9:00- 2:00	9:00-12:00
KLDS	Independence Mo.	440.9	8:00- 9:00	6:30-10:00	Silent	8:00-11:59	Silent	8:00- 9:00	Silent
KLX	Oakland, Calif.	503.2	9:00- 9:30	Silent	8:30-12:00	9:00- 9:30	8:30-12:30	9:00- 9:30	8:30-12:30
KMA	Shenandoah, Ia.	252	6:00-11:00	4:00- 6:00	6:00-11:00	6:00-11:00	6:00-11:00	6:00-11:00	6:00-11:00
KMMJ	Clay Center, Nebr.	229	8:00- 9:00	8:45- 9:45	8:00- 9:00	8:00- 9:00	Silent	8:00- 9:00	8:00- 9:00
KMOX	St. Louis, Mo.	280.2	6:00-11:00	9:00-10:00	6:00-11:00	6:00-11:00	6:00-11:00	Silent	6:00-11:00
KNX	Hollywood, Cal.	336.9	8:00- 4:00	8:30-12:30	8:30- 2:00	8:30- 2:00	8:30- 2:00	8:30- 2:00	8:30- 2:00
KOA	Denver, Colo.	322.4	10:00-12:00	6:00- 9:10	7:30-11:15	7:30- 9:30	7:30- 1:00	7:30- 8:30	7:30-10:00
KOB	StateCollege, N.M.	348.6	Silent	Silent	8:30- 9:30	Silent	Silent	Silent	8:30- 9:30
KOIL	Council Bluffs, Ia	278	7:00- 3:00	7:00-12:00	6:00-12:00	6:00-12:00	6:00- 7:15	6:00-12:00	7:00-12:00
KPO	SanFrancisco, Cal	428.3	8:30- 2:00	8:00-12:00	8:30- 1:00	8:30- 1:00	8:30- 1:00	8:30- 1:00	8:30- 2:00
KPRC	Houston, Texas	296.9	7:30-11:00	7:30-12:00	6.30-10:30	7:30-10:00	6:30-12:00	7:30-10:00	Silent
KPSN	Pasadena, Calif.	315.6	10:00-12:00	10:45-11:45	Silent	10:00-11:00	Silent	10:00-11:00	Silent
KSD	St. Louis, Mo.	545.1	7:00-10:00	5:15- 8:15	8:00-11:00	6:00- 9:30	6:00- 8:00	7:00- 9:00	7:00- 9:00
KSL	Salt Lake City, U	299.8	9:00-12:00	8:30-11:00	8:00-12:00	7:00- 9:00	8:30-12:00	8:30-12:00	8:30-11:00
KSO	Clarinda, Ia.	241.8	Silent	Silent	7:00- 8:00	8:00-11:30	7:00- 8:30	7:00- 9:00	7:00- 8:30
KTAB	Oakland, Calif.	240	Silent	9:45-11:15	10:00-12:00	10:00-12:00	10:00-12:00	10:00-12:00	10:00-12:00
KTBI	Los Angeles, Cal.	293.9	Silent	9:15-11:30	Silent	10:00-11:00	Silent	10:00-11:00	Silent
KTCL	Seattle, Wash.	305.9	Silent	8:10-11:10	9:00-10:00	10:00-11:00	Silent	Silent	9:00- 2:00
KTHS	Hot Springs, Ark.	374.8	9:00-11:15	9:00-11:30	9:00-12:15	9:00-10:30	9:00-10:45	9:00-10:30	9:00-11:00
KTW	Seattle, Wash.	455	Silent	9:00-11:30	Silent	Silent	Silent	Silent	Silent
KUOA	Fayetteville, Ark.	299.8	Silent	Silent	7:30- 9:00	8:00- 9:00	Silent	8:00- 9:30	Silent
KWKH	Shreveport, La.	329.5	9:00-12:00	7:00-11:00	10:00-11:30	9:00-12:00	Silent	8:00- 9:30	Silent
KWSC	Pullman, Wash.	348.6	Silent	Silent	9:30-11:00	Silent	9:30-11:00	Silent	9:30-11:00
KWWG	Brownsville, Tex.	278	6:00- 7:00	Silent	8:30- 9:30	6:00- 7:00	6:00- 7:00	6:00- 7:00	6:00- 7:00
KYW	Chicago, Ill.	535.4	5:00-11:00	3:30-10:00	Silent	5:00-11:00	5:00- 9:00	5:00-11:00	5:00- 9:00
NAA	Radio, Va.	434.5	Silent	Silent	6:45- 7:00	7:30- 8:30	Silent	Silent	Silent
PWX	Havana, Cuba	400	7:30-10:00	7:00- 9:15	7:30-10:00	7:30-10:30	7:00- 9:15	Silent	Silent
WADC	Akron, Ohio	258	5:30- 6:30	5:30- 6:30	5:30- 1:00	5:30-10:00	5:30- 6:30	5:30- 9:00	5:30-10:00
WAHG	Richmond, N. Y.	315.6	10:00-12:00	Silent	5:30-12:00	Silent	5:30-10:00	Silent	6:00- 9:00
WAIU	Columbus, Ohio	293.9	8:15-10:00	2:00- 3:00	5:00-10:30	5:00-11:00	5:00- 6:00	5:00- 6:00	5:00-11:00
WAMD	Minneapolis, Minn	244	6:15-10:30	6:15-10:30	7:00-12:00	Silent	7:00-12:00	6:15-12:00	6:15-12:00
WBAL	Baltimore, Md.	246	Silent	5:30- 7:30	5:30- 9:00	5:30- 9:00	Silent	5:00- 9:00	5:30-10:00
WBAP	Fort Worth, Tex.	475.9	7:30-11:00	5:00-11:00	7:30-12:30	7:30-11:00	Silent	7:30-11:00	7:30-11:00
WBAR	Sisiht, Wis.	406	Silent	10:00-11:00	9:00-10:00	Silent	8:00- 9:00	7:30- 8:30	Silent
WBBM	Chicago, Ill.	226	7:00- 1:00	3:00- 1:00	5:00- 6:00	7:00-11:00	7:00- 1:00	7:00-11:00	7:00- 9:00
WBBR	StatenIsland, N.Y.	272.6	6:00- 8:00	7:00- 8:15	6:00- 7:00	Silent	Silent	6:00- 7:00	Silent
WBCN	Chicago, Ill.	266	8:00-12:00	4:00-11:00	Silent	8:00-12:00	7:00-11:00	8:00- 1:00	8:00-12:00
WBPI	New York, N. Y.	263	4:00- 9:45	Silent	4:00- 9:00	4:00- 9:00	4:00- 9:00	4:00- 5:00	4:00- 9:00
WBZ	Springfield, Mass.	333.1	5:15- 8:00	4:00- 7:00	5:00- 9:00	5:15- 9:00	5:00- 9:00	5:00- 9:00	5:00- 9:00
WCAE	Pittsburgh, Pa.	461.3	4:30- 7:30	3:00- 8:15	6:00-10:05	6:00-10:05	6:00- 9:00	6:00-10:00	6:00-10:00
WCAP	Washington, D.C.	468.5	Silent	5:00- 9:15	6:00-10:00	Silent	6:00-10:00	Silent	5:00-11:30
WCAU	Philadelphia, Pa.	278	Silent	3:00- 9:00	5:30- 9:00	4:30- 9:30	5:30-10:00	4:30-10:30	4:45- 9:30
WCBD	Zion, Ill.	344.6	Silent	7:00- 9:30	Silent	7:00- 9:30	Silent	7:00- 9:30	Silent
WCCO	Minn.-St.P.,Minn.	416.4	6:15-11:05	4:10-10:35	6:15-10:00	6:00-10:30	6:00-12:30	6:15-11:05	6:15-11:05
WCOA	Pensacola, Fla.	222	Silent	Silent	7:00- 9:00	Silent	7:00- 9:00	Silent	7:00- 9:00
WCX	Detroit, Mich.	516.9	5:00- 6:00	6:15- 7:15	5:00- 8:00	5:00- 1:00	5:00- 8:00	5:00- 8:00	5:00- 9:00
WDAF	Kansas City, Mo.	365.6	6:00- 1:00	4:00- 4:45	6:00- 1:00	6:00- 1:00	6:00- 1:00	6:00- 1:00	6:00- 1:00
WDBO	Winter Park, Fla.	240	8:00- 9:30	4:00- 5:00	8:00- 9:30	8:30-10:00	8:00- 9:30	8:00- 9:30	8:00- 9:30
WDWF	Providence, R.I.	440.9	Silent	Silent	Silent	5:45- 6:00	5:25- 6:40	5:45- 6:00	5:45- 6:00
WEAF	New York, N.Y.	491.5	4:00-10:00	1:00- 8:15	4:00-10:00	4:00-10:00	4:00-10:00	4:00-10:00	4:00-10:00
WEAN	Providence, R.I.	270.1	4:30- 8:30	5:30- 6:45	4:30- 8:30	4:30- 8:30	4:30- 8:30	4:30- 8:30	Silent
WEAO	Columbus, Ohio	293.9	Silent	Silent	Silent	6:00- 8:00	7:00- 8:00	7:00-10:00	Silent
WEBH	Chicago, Ill.	370.2	6:00- 1:00	4:00- 8:00	Silent	6:00-11:30	6:00-11:30	6:00-11:30	6:00-11:30
WEBJ	New York, N.Y.	272.6	Silent	Silent	Silent	6:00- 8:00	6:00- 8:00	Silent	6:00- 7:00
WEEI	Boston, Mass.	348.6	Silent	4:00- 8:15	4:45- 9:30	5:30- 9:30	4:13- 9:00	5:30- 9:00	5:30- 9:00
WEMC	Berrien Spgs., Mic	285.5	Silent	8:15- 9:30	8:15- 9:30	Silent	8:15- 9:30	Silent	9:00-10:00
WENR	Chicago, Ill.	265.3	5:00- 1:00	1:00-11:00	Silent	5:00- 9:00	6:00- 1:00	5:00- 9:00	5:00- 1:00
WFAA	Dallas, Texas	475.9	6:30-12:00	6:00-12:00	6:30- 9:30	6:30-12:00	Silent	6:30- 9:30	6:30- 9:30
WFBH	New York, N.Y.	272.6	9:30-12:00	3:00- 6:00	9:30-12:00	9:30-12:00	9:30-12:00	9:30-12:00	9:30-12:00
WFI	Philadelphia, Pa.	394.5	4:30-10:00	2:30- 3:30	5:00- 6:00	4:30- 9:30	5:00- 6:00	4:30- 9:00	5:00- 6:00
WGBF	Evansville, Ind.	236.1	Silent	Silent	Silent	7:15-10:00	Silent	Silent	7:00- 8:00
WGBS	New York, N.Y.	315.6	4:00- 9:30	6:00- 7:00	5:00- 5:15	4:00- 9:30	4:00- 6:30	4:00- 6:45	Silent
WGBU	Fulford, Fla.	278	5:30-12:00	8:30-11:00	5:30-12:00	5:30-12:00	5:30-12:00	5:30-12:00	5:30-12:00
WGCP	New York, N.Y.	252	6:30-10:00	1:00- 4:00	7:00- 9:30	Silent	5:00- 7:15	8:30-11:00	5:00- 7:10
WGES	Chicago, Ill.	250	4:00-12:00	4:00- 1:00	4:00- 6:00	4:00-12:00	4:00-12:00	4:00-12:00	4:00-12:00
WGHB	Clearwater, Fla.	266	5:30-12:00	Silent	5:30-12:00	5:30-12:00	5:30-12:00	5:30-12:00	5:30-12:00
WGHP	Detroit, Mich.	270	Silent	Silent	5:00-12:00	5:00-12:00	5:00-12:00	5:00-12:00	5:00-12:00
WGN	Chicago, Ill.	302.8	5:55-10:00	5:45-10:00	Silent	5:55-10:00	5:55-10:00	5:55-10:00	5:55-10:00
WGR	Buffalo, N. Y.	319	Silent	4:00- 8:15	4:30-10:00	4:30- 7:00	4:30-10:00	4:30- 8:00	4:30-10:00
WGY	Schenectady, N.Y.	379.5	4:30- 9:30	2:00-10:00	5:30- 8:00	5:45- 9:00	5:35- 8:05	5:45-10:30	5:00-10:00
WHA	Madison, Wis.	535.4	Silent	Silent	8:00- 9:00	Silent	8:00- 9:00	Silent	8:00- 9:00
WHAD	Milwaukee, Wis.	275.1	Silent	3:15- 4:15	6:15-10:00	6:15- 7:00	6:15-12:30	6:15- 7:00	6:15-10:00
WHAR	AtlanticCity, N.J.	275.1	5:30- 7:00	5:50- 8:00	5:30-10:00	5:30- 7:00	Silent	5:30-10:00	5:30- 7:00
WHAS	Louisville, Ky.	399.8	7:30- 9:00	4:30- 5:30	Silent	7:30- 9:30	7:30- 9:00	7:30- 9:00	7:30- 9:00
WHAZ	Troy, N.Y.	379.5	Silent	Silent	8:00-11:00	Silent	Silent	Silent	Silent
WHB	Kansas City, Mo.	365.6	Silent	8:00- 1:00	7:00- 8:00	7:00-10:00	7:00- 8:00	7:00-10:00	7:00- 8:00
WHN	New York, N.Y.	361.2	Silent	1:00-10:30	4:30-10:30	4:00-11:00	4:00-11:00	4:00-11:00	4:00-11:00
WHO	Des Moines, Ia.	526	Silent	5:00-12:00	7:30-12:00	7:30-12:00	6:00-12:00	7:30-12:00	7:30-12:00
WHT	Chicago, Ill.	399.8	6:00-12:00	11:00- 9:30	Silent	6:00-12:00	6:00-12:00	6:00-12:00	6:00-12:00
WIBO	Chicago, Ill.	226	5:00- 7:00	5:00-11:00	Silent	5:00- 1:00	5:00-11:00	5:00- 1:00	5:00- 1:00
WIP	Philadelphia, Pa.	508.2	4:05-10:05	2:00-8:30	4:05- 6:00	4:05-10:00	4:05- 6:00	4:05-10:00	4:05- 6:00
WJAR	Providence, R. I.	305.9	Silent	5:20- 8:15	5:45- 9:00	5:30- 8:00	5:30- 9:00	5:45- 9:00	6:00-10:00
WJAS	Pittsburgh, Pa.	275.3	6:00-11:00	Silent	6:00-11:00	6:00-11:00	6:00- 1:00	6:00-11:00	6:00-11:00
WJAX	Jacksonville, Fla.	336.9	7:00- 9:00	6:30- 7:30	7:00- 9:00	7:00-11:00	7:00- 9:00	7:00-11:00	7:00- 9:00
WJAZ	Chicago, Ill.	329.5	Silent	Silent	Silent	Silent	Silent	10:00-12:00	Silent
WJJD	Mooseheart, Ill.	370.2	4:30-12:00	2:00- 3:00	Silent	4:30-12:00	4:30-12:00	4:30-12:00	4:30-12:00
WJR	Pontiac, Mich.	516.9	6:00-11:30	Silent	6:00-11:30	6:00- 9:00	6:00-11:00	6:00-10:00	6:00- 9:30
WJZ	New York, N.Y.	454.3	5:00- 8:25	12:30- 9:00	5:00- 9:45	5:30- 9:45	5:00- 9:45	5:00-10:00	5:00-10:00
WKAQ	San Juan, P. R.	340.7	Silent	Silent	6:30- 8:00	Silent	6:00- 8:00	Silent	6:00- 8:00
WKAR	Lansing, Mich.	285.5	Silent	Silent	6:15- 8:00	6:00- 7:00	6:00- 8:00	6:00- 7:00	6:15- 8:00
WKRC	Cincinnati, Ohio	422.3	9:00-10:15	4:45-10:15	4:00-11:00	8:00-10:45	4:00-11:00	8:00-10:15	Silent
WLIB	Chicago, Ill.	302.8	6:00-11:30	4:00- 5:15	Silent	6:00-11:30	6:00-11:30	6:00-11:30	6:00-11:30
WLIT	Philadelphia, Pa.	394.5	5:30- 6:30	4:30-6:00	6:15- 8:45	5:50- 6:50	6:00- 9:00	5:30- 6:30	7:30-11:00
WLS	Chicago, Ill.	344.6	6:30-11:00	5:00- 6:55	Silent	5:40- 6:55	5:40-12:00	5:40- 6:55	5:40-10:00
WLW	Cincinnati, Ohio.	422.3	6:00- 9:00	3:00- 8:30	6:00-10:00	5:00- 9:00	6:00-11:00	6:00-12:15	Silent
WLWL	New York, N.Y.	288.3	Silent	5:00- 6:00	6:00- 8:00	Silent	Silent	6:00- 8:00	Silent
WMAK	Lockport, N.Y.	265.5	4:15- 9:00	5:30- 6:30	5:30- 9:00	4:15- 5:15	5:30- 8:00	5:15- 6:00	Silent
WMAQ	Chicago, Ill.	447.5	5:00- 9:00	Silent	Silent	5:00- 8:55	5:00- 8:55	5:00- 8:00	5:00- 8:55
WMAZ	Macon, Ga.	260.7	Silent	Silent	9:00-10:00	7:00- 8:00	10:00-11:00	9:00-10:00	7:00-10:00
WMBB	Chicago, Ill.	250	6:00-10:00	2:00-10:00	Silent	6:00-10:00	6:00-10:00	6:00-10:00	6:00-10:00
WMBF	Miami Beach, Fla	384.4	6:00-12:00	6:00-12:00	6:00-12:00	6:00-12:00	6:00-12:00	6:00-12:00	6:00-12:00
WMC	Memphis, Tenn.	499.7	7:15- 9:30	Silent	7:15- 9:00	7:15-12:00	Silent	7:15- 9:45	7:15-12:00
WMCA	New York, N.Y.	340.7	7:00-11:00	5:00- 8:00	7:00-10:00	6:00-10:00	7:00-10:00	7:00-10:00	6:00- 9:45
WNAC	Boston, Mass.	280.2	4:00- 9:00	1:15- 6:45	4:30- 8:45	4:00- 7:00	4:00- 8:00	4:00- 7:00	4:00- 9:00
WNYC	New York, N.Y.	526	5:00- 8:30	7:00- 9:00	5:35- 8:30	5:10- 9:30	5:30- 8:30	5:30- 8:30	5:30- 8:30
WOAI	San Antonio, Tex.	394.5	Silent	7:30-10:30	Silent	8:30-10:30	8:30- 9:30	Silent	8:30- 9:30
WOAN	Lawrenceb'g, Tenn	282.8	Silent	9:00-10:00	9:00- 1:30	9:00-10:00	9:00-10:00	9:00-10:00	9:00-10:00
WOAW	Omaha, Nebr.	526	6:00-12:00	6:00- 9:00	6:00-11:00	6:00- 1:00	Silent	6:00- 1:00	6:00-11:15
WOAX	Trenton, N. J.	240	Silent	7:30- 9:30	Silent	Silent	Silent	Silent	Silent
WOC	Davenport, Iowa	483.6	9:00-10:00	6:30-11:30	Silent	6:00-10:00	6:00-10:30	6:00-12:00	7:30-11:00
WOI	Ames, Ia.	270.1	Silent	Silent	Silent	Silent	Silent	7:05- 8:30	Silent
WOK	Homewood, Ill.	217.3	9:00-12:00	6:00-12:00	Silent	9:00-12:30	9:00-12:30	9:00-12:30	9:00-12:30
WOO	Philadelphia, Pa.	508.2	5:30- 6:30	4:00- 5:00	5:30-10:00	5:30- 6:30	5:30- 9:30	5:30- 6:30	5:30- 9:30
WOOD	Grand Rpds, Mich.	242	9:00-12:00	Silent	9:00- 1:00	9:00-12:00	9:00-12:00	Silent	9:00-12:00
WOQ	Kansas City, Mo.	278	8:00-11:00	7:00- 7:45	Silent	8:00- 9:00	Silent	7:00- 9:00	Silent
WOR	Newark, N. J.	405.2	4:15-10:00	Silent	4:15-10:00	4:15- 6:00	4:15- 9:30	4:15- 6:20	4:15- 6:00
WORD	Batavia, Ill.	275	6:00- 9:25	1:30- 9:00	Silent	6:00-11:45	6:00-11:00	7:00- 9:00	6:00-11:45
WOS	JeffersonCity, Mo.	440.9	Silent	5:00- 8:30	8:00-10:00	Silent	8:00-10:00	Silent	8:00-10:00
WPG	Atlantic City, N.J.	299.8	4:45-10:00	1:15- 9:00	4:45-10:00	4:45-10:00	Silent	4:45-10:00	4:45-10:00
WQJ	Chicago, Ill.	447.5	6:00- 2:00	2:00- 9:00	Silent	6:00- 1:00	6:00- 1:00	6:00- 1:00	6:00- 1:00
WRC	Washington, D.C.	468.5	6:00-11:00	Silent	Silent	6:00-10:30	Silent	6:00-11:30	Silent
WREO	Lansing, Mich.	285.5	5:00-11:00	6:00- 7:00	5:00- 6:00	5:00- 8:15	5:00- 6:00	5:30-11:30	Silent
WRVA	Richmond, Va.	256	Silent	Silent	7:00-10:00	10:00-12:00	7:00-10:00	7:00-10:00	6:00-10:00
WRW	Tarrytown, N.Y.	273	6:00- 9:30	6:00- 9:30	7:00- 9:30	7:00- 9:30	7:00- 9:30	7:00- 9:30	7:00- 9:30
WSAI	Cincinnati, Ohio	325.9	6:00-11:00	6:45- 8:15	9:00-11:00	5:00- 9:00	5:45-10:15	6:00- 9:00	Silent
WSB	Atlanta, Ga.	428.3	8:00-12:00	7:30- 9:15	8:00-12:00	8:00-12:00	10:45-12:00	8:00-12:00	8:00-12:00
WSBC	Chicago, Ill.	209.7	5:30- 3:00	5:30-12:00	5:30- 6:00	5:30-12:00	5:30-12:00	5:30-12:00	5:30-12:00
WSM	Nashville, Tenn.	282.2	7:00-11:00	7:30- 9:00	7:00- 9:00	7:45- 9:00	7:00-11:00	Silent	7:00-11:00
WSMB	New Orleans, La.	319	9:30-11:30	Silent	9:30-11:30	Silent	9:30-11:30	9:30-11:30	Silent
WSUI	Iowa City, Iowa	483.6	Silent	9:15- 9:45	7:30- 8:30	Silent	7:45- 8:45	Silent	Silent
WSWS	Chicago, Ill.	275.1	5:00-10:00	5:00-10:00	Silent	5:00-10:00	5:00-10:00	5:00-11:00	5:00-11:00
WTAG	Worcester, Mass.	268	Silent	2:00- 8:15	5:00- 9:00	5:45- 9:00	5:40- 9:00	6:00- 9:00	6:15- 8:30
WTAM	Cleveland, Ohio	389.4	5:00-11:00	Silent	5:00-12:00	5:00- 6:00	5:00-12:00	5:00- 6:00	5:00- 6:00
WTIC	Hartford, Conn.	475.9	5:30-11:00	4:00- 9:30	5:50-11:00	Silent	5:30- 9:30	5:30- 6:30	5:30-11:00
WWJ	Detroit, Mich.	352.7	Silent	1:00- 8:15	5:00- 9:00	5:00- 7:00	5:00- 9:00	5:00-11:30	5:00- 9:00

STATIONS IN ORDER OF WAVE LENGTHS

Meters	Call	Meters	Call	Meters	Call	Meters	Call	Meters	Call	Meters	Call
209.7	WSBC	263	WBPI	285.5	WKAR	336.9	WJAX	394.5	WOAI	468.5	WRC
217.3	WOK	265.6	WMAK	285.5	WREO	340.7	KFAB	399.8	WHAS	475.9	WBAP
222	WCOA	266	WBCN	288.3	KFKX	340.7	WKAQ	399.8	WHT	475.9	WTIC
226	KFWI	266	WGHB	288.3	WLWL	340.7	WMCA	400	PWX	475.9	WFAA
226	WBBM	268	KFH	293.9	KTBI	344.6	WCBD	405.2	KHJ	480	CYL
226	WIBO	268	WTAG	293.9	WAIU	344.6	WLS	405.2	WOR	483.6	WOC
229	KMMJ	270.1	WEAN	293.9	WEAO	348.6	KOB	406	WBAR	483.6	WSUI
232.4	KFON	270.1	WGHP	296.9	KPRC	348.6	KWSC	410.7	CKAC	491.5	KGW
236.1	WGBF	270.1	WOI	299.8	KUOA	348.6	WEEI	416.4	WCCO	491.5	WEAF
240	KFVE	272.3	KWKH	299.8	KSL	350	CZE	421	KIAF	499.7	KFRU
240	KTAB	272.6	WBBR	299.8	WPG	352.7	WWJ	422.3	WLW	499.7	WMC
240	WDBO	272.6	WEBJ	302.8	WGN	356.9	CFCA	422.3	WKRC	502.8	KFQB
240	WOAX	272.6	WFBH	302.8	WLIB	356.9	CKCL	428.3	WSB	508.2	KLX
242	KSO	273	WRW	305.9	KTCL	356.9	CKNC	428.3	KPO	508.2	WIP
242	WOOD	275.1	WHAD	305.9	WJAR	361.2	KGO	434.5	CNRO	508.2	WOO
244	WAMD	275.1	WHAR	309.1	KDKA	361.2	WHN	434.5	CFCN	516.9	CJCA
246	WBAL	275.1	WORD	315.6	KFDM	365.6	WDAF	434.5	NAA	516.9	WCX
250	KFXF	275.1	WSWS	315.6	KPSN	365.6	WHB	435	AT9	516.9	WJR
250	WGES	275.3	WJAS	315.6	WAHG	370.2	WEBH	440.9	KLDS	526	WHO
250	WMBB	278	KOIL	315.6	WGBS	370.2	WJJD	440.9	WDWF	526	WNYC
252	KFWB	278	KWWG	319	WGR	374.8	KTHS	440.9	WOS	526	WOAW
252	KMA	278	WCAU	319	WSMB	379.5	WGY	447.5	WMAQ	535.4	KYW
252	WGCP	278	WGBU	322.4	KOA	379.5	WHAZ	447.5	WQJ	535.4	WHA
256	WRVA	278	WOQ	325.9	WSAI	384.4	CKY	454.3	KFOA	545.1	KFUO
258	WADC	280.2	KMOX	329.5	KWKH	384.4	KJR	454.3	WJZ	545.1	KSD
260.7	KFWA	280.2	WNAC	329.5	WJAZ	384.4	WMBF	455	KTW		
260.7	KFJF	282.8	WOAN	333.1	WBZ	389.4	WTAM	461.3	WCAE		
260.7	WMAZ	282.8	WSM	336.9	KNX	394.5	WFI	467	KFI		
263	KFNF	285.5	WEMC	336.9	KFMX	394.5	WLIT	468.5	WCAP		

SERVICE IS KOAC'S AIM

(Continued from page 4)

band, Madrigal club and orchestra. Sports are broadcast from the field of action by W. L. Kadderly, official program director and announcer.

And do the people of the state appreciate this college via air? The answer is in the enormous sacks of mail from the listening student body. They write for confirming data to the notes taken during the lectures, for additional information, for any and all kinds of information pertaining to Oregon. And there are of course, innumerable letters of just pure gratitude for being able to glean such intellectual growth through Radio as it is employed by Oregon Agricultural College to actually make science of service.

RADIO IN MIKADO LAND

(Continued from page 5)

J. Moskovita, 1121 S. Meyler street, San Pedro, California, often listens to the Japanese broadcasting and sends us a typical program from JOBK, which was sent to him from Osaka in confirmation of a report he sent to Japan. It starts out with exchange quotations, stock reports, music, lecture, news report, another lecture, and at one o'clock there was opera followed by a fairy story, children's hour, Japanese classical music, Radio drama and classical selections from German, French and Italian composers.

Yes, Radio is new in Japan, but the moving picture theaters complain that it has caused a falling off of twenty-five per cent in attendance. Those who have sets are making the utmost use of them. It is predicted there will be a million listeners before a second anniversary rolls around. And then what? Will Japan continue to utilize the Radio to educate and promote culture of the highest type or will she be doing the next thing after the Charleston?

MLLE. DESCRIBES CKAC

(Continued from page 6)

hear over Radio and that CKAC gives a prize to the bes' band. All the people all over Quebec ver' happy 'bout the bands and that started making Radio populaire.

"Then Monsieur Cartier asks lots people come see Quebec in automobile en tour. When they hear heem on Radio an' he tells how quaint, how interest Moanray-al with its ol' fashion customs and bos French an' English ways everybody come see."

Mademoiselle Boudouin toyed with her gloves for a moment.

"It must be very cold in Quebec," I remarked glancing at her furs.

"Sometimes col', yes. But Monsieur Cartier say you people have entirely wrong notion. We have very won'erful countrêe in Quebec. We do not have what you call 'iceclaize' on the end of our noses, no, nevaire. Come and see sometime for yoursel'."

For nearly an hour she sat, telling of Jacques Cartier and his station. She told of the Chicago newspaper man, J. P. Callaghan, who came to La Presse to work with the news dealers, building up and extending circulation, a rather cold and unsentimental job. He became interested in CKAC and now he puts in an hour every day telling Mother Goose rhymes and entertaining the kiddies.

She told of the wonderful concerts by the Capitol Theater Symphony orchestra, of Raoul Duquette and his Windsor Hotel Concert orchestra, of the great opera singers, of the splendid assistance given to Cartier by other members of the staff, Arthur Dupont, Adrien Arcand, Leonard Spencer and A. Lebeau.

"An' so many, many letters from all over the United States as well as Canada," she said, drawing on her gloves. "We even have one from the White House in Washington."

Suddenly she was standing. She put a picture of a band on my desk without telling me what band it was. She had picked up the various other pictures, telling me about each individual.

"Now I must go," she said, "I doan know what you say but please give us a nice story. Mr. Cartier he work ver' hard an' we have such a won'erful sta- station we wan' everybody to listen' who has nevair heard it."

I saw Dave standing at the door, as she flitted by—and, I think she smiled a little at him. His color seemed to take on a rosy hue. And the story? Well, there isn't any story, except just to tell the things she said as nearly as I can remember how she said it. And Dave? Say he's been tuning in CKAC every night that he could get them. Yesterday he told me he thought he recognized her voice and she was singing French but he doesn't understand French. He's planning to go up that way for his vacation this summer.

2LO Star to Movies

LONDON, England.—John Henry, 2LO's leading humorist, has become a movie star. The adventures he so drolly describes before the mike are now being put on the screen by Gaumonts. The first three pictures will be known as "How I Began," "Listening In," and "The Loud Speaker."

RHUBARB AND CRUMB CAKES NOW POPULAR

HELEN HARRINGTON DOWNING GIVES TWO RECIPES

WQJ Day Program Chief Tells How Kitchen Fans' Taste Varies According to Season

By Helen Harrington Downing
Director of Day Programs at WQJ

I HAVE been asked frequently which of the recipes I have broadcast was the most popular with our invisible audience. It would be quite difficult to answer that truthfully as we have new fans listening each day. Many want to take down a recipe at the time it is given, but are interrupted and have to leave their Radio. Occasionally they do not think of that specific recipe again until they may want to use it, then they write us as late as a month or two afterwards requesting it.

For a while we thought, from the number of requests we had for it, everyone must be serving Ice Box Cake daily, but again we decided that Upside Down or Topsy-Turvy Cake was the popular dessert.

Demand Is Changing

Booth seem to have had their day as far as the Radio audience is concerned and at present "Household Helps," "Shortcake Recipes" and "Meals for House Cleaning Week" are holding the lead. "Spring Vegetables and New Ways of Preparing Them" always comes in for its share of popularity, too, at this season.

While Ice Box Cakes are most popular in the fall and Upside Down Cakes during the winter, cakes of various kinds are requested regularly. Crumb Cake and the new Rhubarb Cake recipe right now are pleasing those who a year back were asking for others.

As rhubarb is plentiful and popular right now possibly these recipes will interest readers of Radio Digest who have not previously tried them. The directions are as follows:

Rhubarb Cake

Required: 1 cup brown sugar; 1½ cups rhubarb sweetened (cooked); 1 level teaspoon soda; 1 cup raisins; 1 cup chopped nuts (walnuts or others); ½ cup butter; 2 1/3 cups flour; 1 teaspoon each cinnamon, cloves and nutmeg; 1 level teaspoon Calumet Baking Powder.

Method: Cream sugar and shortening. Add spices. Add flour with soda, and baking powder sifted in. Throw the nuts and raisins on to the dry flour. Mix all very thoroughly together. Lastly add rhubarb.

Be careful to have a stiff batter. Bake in a loaf pan in a slow oven. This cake may be warmed and used as a pudding with hard sauce.

HERE'S WHERE WQJ TRIES RECIPES

This is a corner of the model kitchen of the Calumet Baking Powder company whose recipes are broadcast daily by Helen Harrington Downing over WQJ, Chicago.

Crumb Cake

Required: 2½ cups flour, ½ cup butter and 2 cups brown sugar. Mix these well together; take out ¾ cup mixture for top. Also required: 1 egg; ¾ cup milk; 2½ teaspoon Calumet Baking Powder; 1 teaspoon cinnamon.

Method: Beat hard until the batter is smooth. Pour into greased pan (8 x 8 x 2 inches). Sprinkle the crumb mixture over the top. Bake in a moderate oven 325 degrees Fahrenheit for 20 minutes, then 340 degrees for 20 minutes.

The Reader's View

Likes New Issues

As a regular reader of your magazine I want to congratulate you on your new issue, and heartily endorse your plan to issue it twice a month instead of every week. I think you have the best magazine on the market.

I am going to experiment with an underground aerial and will report my results to you. I believe it will overcome some of the static. Herewith are some votes for my favorite announcer. Please give him credit for them.—H. L. Joyner, Greenville, N. C.

Rah! for the Hired Hand

I have a little "spiel" if proper, I should like to be permitted to air same through your valuable columns. As a start, I wish to say that I like most of our genial and hard working announcers, with the exception of those that read their letters, calls, and telegrams at the end of each selection from their station.

Tonight, over WBAP, the Hired Hand announced that he had withdrawn from the Radio Digest Gold Cup race, that he had written Radio Digest who absolutely refused to withdraw his name, and gave as his reasons for withdrawing, that he had only "placed" in '24 and '25 and could not believe that he could win this year.

Modest man. I agree with the Editor of Radio Digest. I refuse to have his name withdrawn, and ask all our good friends of Radio to "let's put him over" for the simple reason that the Hired Hand is the worlds' most colorful announcer, says what he means and means what he says, and does not take all night to say the same.

For example, I listened to the Hired Hand at the Fort Worth Fat Stock show this year. The event was judging of the saddle horse class. It took the judges over fifty minutes to announce the winners, and for fifty minutes I kept my dials on Fort Worth and listened to the Hired Hand's descriptive efforts. Think it over, if that does not prove he's a World's Champion, what'll you have? Let's make him Gold Cup Announcer for 1926.—W. J. E., Lindale, Texas.

The Judges Seem to Agree

I am writing to inform you that I have received word that I was successful in winning the Radio World's Fair international reception contest. In this case I won a medal which will be presented September 16, during the Radio World's Fair.

I thought you might be interested in this as I was also second prize winner in your International Radio Week reception contest.—H. Leadbetter, New York, N. Y.

Concerning A.F.D. and R.A.V.

Concerning A.F.D.'s reception test period, I wish to say that I believe this is a good idea and would like to see some stations start it.

R.A.V. of Lafayette, Ind., reports that he received KFJR, Stevensville, Mont., on December 12, 1923, when they were using 5-watts power. Does R.A.V. believe that were KFJR still located at Stevensville and broadcasting with 5 watts he could receive them under present conditions?

I doubt if it could be done now.—W.I.G., Chicago, Ill.

Working People's Hour

I have charge of the Radio department of a local factory and have received many complaints from listeners because of the fact that the better entertainment comes so late in the evening that they lose much

(Continued on page 29)

WOMEN'S PROGRAMS INDEX

Tuesday

Atlantic	Eastern	Central	Mountain	Pacific
10 a. m.	9	8	7	6

WIP (508.2m-590kc), Menu, Anna Scott.

10:30	9:30	8:30	7:30	6:30

WWJ (352.7m-850kc), Tonight's dinner.

11	10	9	8	7

KDKA (309.1m-970kc), Domestic Science. Arts for the Housewife.

12 n.	11	10	9	8

WEAO (293.9m-1020kc), Housekeepers' half hour.
WEAR (389.4m-770kc), Home service talk.
WHT (399.8m-750kc), Women's club, Jean Sargent.
WMCA (340.7m-880kc), Home Makers' club.
WQJ (447.5m-670kc), June 1, "The Large Hat." "Vacation Clothes."

12:30 p.m.	11:30	10:30	9:30	8:30

WEBH (370.2m-810kc), Fashion and household talks.
WOI (270.1m-1110kc), June 1, "What Shall the Children Do in Summer?" "Picnic Lunches."
WGN (302.8m-990kc), Home Management period.

2	1	12 n.	11	10

KGW (491.5m-610kc), Household Helps, shopping guide.
WGBF (236.1m-1270kc), Garden talk.

2:45	1:45	12:45	11:45	10:45

WQJ (447.5m-670kc), Home Economics. June 1, Style talk.
WGBF (236.1m-1270kc), Garden talk.

4	3	2	1	12 n.

WIP (508.2m-590kc), Menu talk.
WJZ (454.3m-660kc), "Your Daily Menu," Mrs. J. Heath.

4:15	3:15	2:15	1:15	12:15

WHO (526m-570kc), Recipes, household hints.

4:30	3:30	2:30	1:30	12:30

WLIT (394.5m-760kc), Household helps and hints.

5	4	3	2	1

WOC (483.6m-620kc), Home management schedule.

6	5	4	3	2

KMOX (280.2m-1070kc), Housewives' hour.

6:30	5:30	4:30	3:30	2:30

KOA (322.4m-930kc), Housewives' matinee.

7:15	6:15	5:15	4:15	3:15

KOA (322.4m-930kc), Culinary hints, Clara Hoover.

7:45	6:45	5:45	4:45	3:45

WPG (299.8m-1000kc), Fashion Flashes.

9:30	8:30	7:30	6:30	5:30

KGO (361.2m-830kc), As a Woman Thinketh.

Wednesday

Atlantic	Eastern	Central	Mountain	Pacific
10:30 a. m.	9:30	8:30	7:30	6:30

WWJ (352.7m-850kc), Tonight's dinner.

10:45	9:45	8:45	7:45	6:45

WTAG (268m-1120kc), Talk to Housewives, Mrs. Lydia Flanders.

12 n.	11	10	9	8

WEAO (293.9m-1020kc), Housekeepers' half hour.
WHT (399.8m-750kc), Women's club, Jean Sargent.
WQJ (447.5m-670kc), Home Economics program. June 2, Child Welfare talk. "Careers for Women." Fish dinner menu for Friday.

12:30 p.m.	11:30	10:30	9:30	8:30

WEBH (370.2m-810kc), Fashion and Household talks.
WGBF (236.1m-1270kc), Cooking instructions.
WGN (302.8m-990kc), Household management period.

12:35	11:35	10:35	9:35	8:35

KYW (535.4m-560kc), Table talk.

1:45	12:45	11:45	10:45	9:45

KGW (491.5m-610kc) Household Helps, shopping guide.

Atlantic	Eastern	Central	Mountain	Pacific
2:20p.m.	1:20	12:20	11:20	10:20

WGBF (236.1m-1270kc), Garden talk.

2:45	1:45	12:45	11:45	10:45

WQJ (447.5m-670kc), Home Economics, June 2, "Dishwashing by Electricity."

4	3	2	1	12 n.

WCCO (416.4m-720kc), Woman's hour.
WJZ (454.3m-660kc, "Your Daily Menu."
WLW (422.3m-710kc), Cooking school.

5	4	3	2	1

WMAQ (447.5m-670kc), Recipes.
WOC (483.6m-620kc), Home management schedule, Aunt Jane.

5:30	4:30	3:30	2:30	1:30

KFNF (263m-1140kc), Flower talk.

6	5	4	3	2

KMOX (270.2m-1070kc), Housewives' hour.
KOAC (280.2m-1070kc), Housekeepers' half hour.
WRC (468.5m-640kc), Housekeepers' half hour.

7	6	5	4	3

KGO (361.2m-830kc), "Hints for Housekeeper."

8	7	6	5	4

KLX (508.2m-590kc), Woman's hour.
KMA (252m-1190kc), Domestic science talk.

11:30	10:30	9:30	8:30	7:30

KOAC (280.2m-1070kc), June 2, "What Shall I Read on My Vacation?" June 9, "Jimmy's Building Blocks for Health."

11:45	10:45	9:45	8:45	7:45

KOAC (280.2m-1070kc), June 2, "Pressure Cookers in the Home." June 9, "Items in Planning a New Home."

Thursday

Atlantic	Eastern	Central	Mountain	Pacific
10:30 a.m.	9:30	8:30	7:30	6:30

WWJ (352.7m-850kc), Tonight's dinner.

10:45	9:45	8:45	7:45	6:45

WTAG (268m-1120kc), Marjorie Woodman, nurse.

11	10	9	8	7

WEAF (491.5m-610kc), Talks, cookery lecture.

11:50	10:50	9:50	8:50	7:50

WMC (499.7m-600kc), Home economics discussion, Miss Kitty.

12 n.	11	10	9	8

WEAO (293.9m-1020kc), Housekeepers' half hour.
WEAR (389.4m-770kc), Home service talk.
WHT (399.4m-750kc), Women's club, Jean Sargent.
WMCA (340.7m-880kc), Food bureau program.
WQJ (447.5m-670kc), June 3, "Salads and Sandwiches." "The Care of Your Feet." "Summer Specials."

12:30 p.m.	11:30	10:30	9:30	8:30

WEBH (370.2m-810kc) Household and fashion talks.
WGN (302.8m-990kc), Home Management period.
WOI (270m-1110kc), June 3, "Camping Out." "Food for Camping."

12:35	11:35	10:35	9:35	8:35

KYW (535.4m-560kc) Table talks.

2	1	12 n.	11	10

KGW (491.5m-610kc), Household helps.

2:20 p. m.	1:20	12:20	11:20	10:20

WGBF (236.1m-1270kc) Garden talk.

2:45	1:45	12:45	11:45	10:45

WQJ (447.5m-670kc), Home Economics. June 3, "Shoes." "Hearty Salads."

4	3	2	1	12 n.

WJZ (454.3m-660kc), Your Daily Menu.

4:15	3:15	2:15	1:15	12:15

WJZ (454.3m-660kc) "Wall Paper, Room by Room," A. Fillebroun.

5	4	3	2	1

WOC (483.6m-620kc) Home management schedule, Aunt Jane.

Atlantic	Eastern	Central	Mountain	Pacific
6 p. m.	5	4	3	2

KMOX (280.2m-1070kc) Housewives' hour.
KOAC (280.2m-1070kc) Housekeepers' half hour.

6:30	5:30	4:30	3:30	2:30

KOA (322.4m-930kc) Housewives' matinee.
WCCO (416.4m-720kc) Women's club program.

7:15	6:15	5:15	4:15	3:15

KOA (322.4m-930kc) Culinary hints, Clara Hoover

10	9	8	7	6

KUOA (299.8m-1000kc), June 3, "Heating the Small House." June 10, "Home Laundry Equipment." "The Energy Problem in Nutrition."

Friday

Atlantic	Eastern	Central	Mountain	Pacific
10:30 a.m.	9:30	8:30	7:30	6:30

WWJ (352.7m-850kc) Tonight's dinner.

11	10	9	8	7

KDKA (309.1m-970kc) Domestic science and Arts for the Housewife.

12 n.	11	10	9	8

WEAO (293.9m-1020kc) Housekeepers' half hour.
WHT (399.8m-750kc) Women's hour, Jean Sargent.
WQJ (447.5m-670kc), Sunday dinner menu.

12:15 p.m.	11:15	10:15	9:15	8:15

KYW (535.4m-560kc) Meat talk.

12:30	11:30	10:30	9:30	8:30

WEBH (370.2m-810kc) Household and fashion talks.
WGBF (236.1m-1270kc), Cooking instructions.
WGN (302.8m-990kc), Home Management period.

12:35	11:35	10:35	9:35	8:35

KYW (535.4m-560kc) Table talk.

1:45	12:45	11:45	10:45	9:45

KGW (491.5m-610kc), Household helps.

2:45	1:45	12:45	11:45	10:45

WOAW (526m-570kc) Sunshine Sunday dinner menu.
WQJ (447.5m-670kc), Home Economics.

4	3	2	1	12 n.

WJZ (454.3m-660kc) "Your Daily Menu," Mrs. J. Heath.

4:15	3:15	2:15	1:15	12:15

WHO (526m-570kc) Recipes, household hints.

4:25	3:25	2:25	1:25	12:25

WJZ (454.3m-660kc) "Solving Candy Problems,"

5	4	3	2	1

KYW (535.4m-560kc) Woman's hour.
WOC (483.6m-620kc) Home Management, Aunt Jane.

5:15	4:15	3:15	2:15	1:15

WMAQ (447.5m-670kc)

5:30	4:30	3:30	2:30	1:30

WFAA (475.9m-630kc) Homemakers program.
WMAQ (447.5m-670kc), Foibles of the Moment.

6:30	5:30	4:30	3:30	2:30

KOA (322.4m-930kc) Housewives matinee.

7	6	5	4	3

KOA (322.4m-930kc) Fashion review.

9:45	8:45	7:45	6:45	5:45

WCCO (416.4m-720kc), June 4, "Jelly Making."

11:30	10:30	9:30	8:30	7:30

KMOX (280.2m-1070kc) Housewives' hour.

12:30a.m.	11:30	10:30	9:30	8:30

KWSC (348.6m-860kc), June 4, "The Jelling Power of Apples." June 11, "Well Considered Rest and Sleep."

Saturday

Atlantic	Eastern	Central	Mountain	Pacific
10:30 a.m.	9:30	8:30	7:30	6:30

WWJ (352.7m-850kc) Tonight's dinner.

12 n.	11	10	9	8

WEAO (293.9m-1020kc) Housekeepers' half hour.
WEAR (389.4m-770kc) Home service talk.

Atlantic	Eastern	Central	Mountain	Pacific
12 n.	11	10	9	8

WHT (399.8m-750kc) Women's club, Jean Sargent.
WGN (302.8m-990kc), Household hints.
WQJ (447.5m-670kc), Home Economics program.

12:30 p.m.	11:30	10:30	9:30	8:30

WGN (302.8m-990kc), Home Management period.

12:35	11:35	10:35	9:35	8:35

KYW (535.4m-560kc), Table talk.

2	1	12 n.	11	10

KGW (491.5m-610kc), Household helps, shopping guide.
KMA (252m-1190kc), Domestic science topics.

2:20	1:20	12:20	11:20	10:20

WGBF (236.1m-1270kc), Garden talk.

6	5	4	3	2

KMOX (280.2m-1190kc), Housewives' hour.

Monday

Atlantic	Eastern	Central	Mountain	Pacific
10:30 a.m.	9:30	8:30	7:30	6:30

WWJ (352.7m-850kc), Tonight's dinner.

10:45	9:45	8:45	7:45	6:45

WTAG (268m-1120kc), Marjorie Woodman, nurse.

11:50	10:50	9:50	8:50	7:50

WMC (499.7m-600kc), Home economics discussion, Miss Kitty.

12 n.	11	10	9	8

WEAO (293.9m-1020kc), Housekeepers' half hour.
WEAR (389.4m-770kc), Home service talk.
WHT (399.8m-750kc) Women's club, Jean Sargent.
WQJ (447.5m-670kc), Home Economics program, Cooking instructions.
WSWS (275.8m-1090kc), Style shop.

12:30 p.m.	11:30	10:30	9:30	8:30

WEBH (370.2m-810kc), Fashion and household talks.
WGBF (236.1m-1270kc), Cooking instructions.
WGN (302.8m-990kc), Home Management period.
WTIC (475.9m-630kc), Housewife's forum.

12:35	11:35	10:35	9:35	8:35

KYW (535.4m-560kc), Table talk..

1:45	12:45	11:45	10:45	9:45

KGW (491.5m-610kc), Household helps.

2	1	12 n.	11	10

WSOE (215.8m-1220kc), Ladies' hour.

2:20	1:20	12:20	11:20	10:20

WGBF (236.1m-1270kc), Garden talk.

2:45	1:45	12:45	11:45	10:45

WQJ (447.5m-670kc), Home Economics.

3:30	2:30	1:30	12:30	11:30

KFNF (263m-1140kc), Mothers' hour.

4	3	2	1	12 n.

WCCO (416.4m-720kc), Women's hour.
WSOE (216m-1220kc), Cooking chats.
WIP (508.2m-590kc), Market hints for housewives.
WJZ (454.3m-660kc), "Your Daily Menu."

4:15	3:15	2:15	1:15	12:15

WJZ (454.3m-660kc), Flower Making course.

4:25	3:25	2:25	1:25	12:25

WJZ (454.3m-660kc), Shopping service.

5	4	3	2	1

WOC (483.6m-620kc), Home management schedule, Aunt Jane.

5:15	4:15	3:15	2:15	1:15

KYW (535.4m-560kc), Meat talk, John Cutting.

6	5	4	3	2

KMOX (280.2m-1070kc), Housewives' hour.
WRC (468.5m-640kc), Housekeepers' half hour.

9:30	8:30	7:30	6:30	5:30

KUOA (299.8m-1000kc), June 7, "Less Labor, More Leisure." June 14, "Getting Ready to Can."

1:15 a.m.	12.15	11:15	10:15	9:15

KGO (361.2m-830kc), "Character Training in the Home," E. Anderson.

NORTH AMERICAN KIWANIS CONVI

HIGH LIGHTS OF THE AIR

THE FIRST of June brings a change in the personnel of the Nighthawk frolics at Station WDAF. Zez Confrey and his orchestra will take the place of Ted Weems' Victor Recording orchestra and will become the musical background for these well-known Radio frolics.

Two refreshing week-end trips may be enjoyed this warm weather by fans tuning in Saturdays, June 5 and June 12, at 10 p. m. Eastern standard time for the Mayflower orchestra programs at WRC. A ship's bell and whistle and the navy song "Anchors Aweigh" will start the cruises into the seas of harmony and rhythm. Edward H. Husing, announcer at WRC, will act as official conductor aboard the Tivoli excursions and as pilot for the Mayflower voyages.

The young writer will be especially interested in the talk Tuesday, June 1, by Nell Sneed, woman's editor of the Kansas City Star. Miss Sneed will let the novice in on the secrets of running a woman's page.

The mystery of the Himalaya mountains will keep the listener spellbound who dials for WLIT, Philadelphia, Wednesday, June 2. Colonel Roosevelt, who has recently returned from hunting museum specimens among these snow-covered peaks will talk.

Virginia Flohri and Robert Hurd have combined their talents to form one of the most popular "acts" of Pacific broadcasting. Miss Flohri, who has created an enthusiastic audience during her past three years singing from KFI, and Mr. Hurd, a recent and welcome addition to coast musical circles, discovered, during an impromptu recital in Miss Flohri's home that their voices, soprano and tenor, blended unusually well. The KFI audience, after their first duet recital, responded so heartily that a series of duets was announced. On June 3 the two will present an interesting concert of Schubert, Schumann, Greig and Strauss.

Ninety-eight thousand Kiwanians over the North American continent will be interested in the Radio broadcasting of the 10th Annual International Kiwanis convention on Monday evening, June 7, in Montreal over CHYC. This united simultaneous meeting of the 1,530 clubs on the North American continent will be the third time Kiwanis has synchronized a continent-wide unified expression of international understanding. The Radio, of course, will greatly aid in this opportunity.

Summer is here—the time when canoes glide softly through the moonlight and every young person desires to fit into this romantic atmosphere to best advantage. Dan Nolan, nationally recognized ukulele expert, will furnish just the right accomplishment. Learn to play this Hawaiian instrument by dialing for WTIC, Wednesday, June 9, Mr. Nolan will tell you just how he does it and how you can do it, too.

Colorado's semicentennial anniversary will be observed over KOA, Denver, Friday evening, June 11, when a special two-hour studio program will be given by the Colorado-Made Goods club under the direction of Mrs. Alvin B. Collins. One of the introductory features will be a "word scenario" on "Cultural Colorado," followed by a group of vocal numbers by the Unity church quartet, primitive Indian music by Dr. Jean Allard Jeancon, curator of archaeology of the Colorado museum, and Spanish airs by the station orchestra. Songs and readings of Colorado's growth comprise part two.

Patriotic music marks the end of the programs this issue. Monday, June 14, is Flag Day and all the stations will celebrate with the songs of our Republic.

Wandering minstrels whose voices are
Wildey and Bill Sheehan, below, the p
these happy artists of the air are touri
left, as she appeared in costume at KDK
Bemis, soprano, who often sings dur

Tuesday, June 1

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
6:45 p. m.	5:45	4:45	3:45	2:45

WEAF (491.5m-610kc), Commencement, Columbia university.

8	7	6	5	4

KFRU (374.8m-800kc), Catfish string band.

8:30	7:30	6:30	5:30	4:30

WGBS (315.6m-950kc), Greek program.

WDAF (365.6m-820kc), Nell Sneed, Women's Editor of Star.

9:20	8:20	7:20	6:20	5:20

WLS (344.6m-870kc), Westminster quartet.

9:30	8:30	7:30	6:30	5:30

KPRC (296.9m-1010kc), Billie Mack's orchestra.
WBAP (475.9m-630kc), Radio wedding.
WHAS (399.8m-750kc), Carl Zoeller's Melodists.
WHO (526m-570kc), Raleigh quintet.

10	9	8	7	6

KUOA (299.8m-1000kc) Student orchestra.
WCCO (416.4m-720kc), Home Brand Minstrels.

10:30	9:30	8:30	7:30	6:30

WPG (299.8m-1000kc), "The Lover's Reverie."

11	10	9	8	7

WTAM (389.4m-770kc), Collegian serenaders.

11:10	10:10	9:10	8:10	7:10

KTHS (374.8m-800kc), Opera gems.

1 a. m.	12 m.	11	10	9

KGO (361.2m-830kc), KGO Little symphony.

Tuesday, silent night for: CFCA, CHIC, CKNC, CNRC, CNRE, CNRM, CNRO, CNRT, CNRW, KFKX, KFUO, KUOA, KFWA, KOA, KOAC, KOB, KOWW, KUOM, KSAC, KTAB, KWSC, WABQ, WAHG, WAIU, WAMD, WBBR, WCAL, WCAP, WEMC, WGCP, WHA, WHAZ, WJAZ, WKAF, WLWL, WMAZ, WOI, WOR, WOS, WSMB, WSUI, WTAM, WTIC.

Atlantic or Eastern Daylight Saving Time Stations

WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30 p. m., N. Snellenburg and company; 8, Carolyn Thomas, soprano; 8:30, Hood Boys; 8:45, Kathryn Fichthorne, contralto; 9, The Merry Minstrels; 9:30, Roy Tracy, tenor; 9:45, Chalfont Sisters, songs; 10:10, Jackson and Ellis, Radio sweethearts; 10:30, Myers' Musical Architects.

WEAF, New York, N. Y. (491.5m-610kc), 6 p. m., dinner music; 6:45, commencement exercises, Columbia universities; 8, Grand Prize Lurekas, WEEI, WFI, KSD, WCAE, WWJ, WCSH, WSAI, WTAG, WGR, WCCO, WOC, WTAM, WJAR; 8:30, Gold Dust Twins, WEEI, WFI, WCAE, WGR, WWJ, WOC, WCSH, WJAR, WCCO, WLIB, WTAM, KSD; 9, Eveready hour, WEEI, WFI, WCAE, WGR, WWJ, WOC, KSD, WJAR, WCCO, WTAG, WGN, WTAM, WSAI; 10, Redferne Hollinshead, tenor; 10:30, Ben Bernie and his orchestra; 11-12, Buffalodian dance orchestra.

WEBJ, New York, N. Y. (272.6m-1100kc), 7 p. m., Dan Barnetts' orchestra; 7:30-7:45, Luna Park program; 8:15, duets, Blanche and Hugh Ramsen; 8:45, Luna Park program.

WEEI, Boston, Mass. (348.6m-860kc), 7:30 p. m., Minute Men; 8-11, WEAF.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra; 7:15, talk, Jewish Federation; 8-10:30, WEAF; 10:30, Bellevue Stratford dance orchestra.

WGBS, New York, N. Y. (315.6m-950kc), 8:30 p. m., Greek program, Near East Relief; 11, Arrowhead Inn dance orchestra.

WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., Vincent Lopez Hotel Statler dance orchestra; 8, WEAF.

WHAR, Atlantic City, N. J. (275.1m-1090kc), 8 p. m., Seaside hotel trio.

WHN, New York, N. Y. (361.2m-830kc), 6:30 p. m., Everglades orchestra; 7:30, Will Oakland's chateau; 8, Treasureland Neighbors; 9:30, Loew's 83rd Street orchestra; 10, Universal trio; 10:30, Strand Roof orchestra; 11, Barn club orchestra; 11:30, Club Alabam orchestra; 12, Silver Slipper orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:15 p. m., Benjamin Franklin hotel concert orchestra; 7, Edward Mika, violinist; 8, Sesquicentennial program, Iris Virginia Gruber, soprano; Irene Merrick Rorke, pianist; Triad trio; 10:05, movie talk, Eli M. Orowitz; 10:30, El Patio dance orchestra.

WJAR, Providence, R. I. (305.9m-980kc), 7:30 p. m., musicale; 8-10, WEAF.

WJZ, New York, N. Y. (454.3m-660kc), 7 p. m., Frank Dole; 7:15, Hotel Commodore Concert orchestra; 8:30, Deltah Pearl Hour. WGY, WRC; 9, Breyer hour, WRC; 10, "The Grand Tour," WGY, WRC; 10:40, George Olsen's Hotel Pennsylvania Roof orchestra.

WLWL, New York, N. Y. (288.3m-1040kc), 9 p. m., program; 9:15, "Speedwriting"; 10:30, talk, the Commonweal.

WMAK, Buffalo, N. Y. (265.3m-1130kc), 10:30-11:30 p. m., Beaver Products Company, WHAM, WFBL, WGY.

WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Olcott Vail and his Hotel McAlpin string ensemble; 7, Hofbrau Haus entertainers; 8:30, California Ramblers; 9:30, Columbia Park entertainers; 9:45, Columbia Park entertainers; 10:15, McAlpin news editor; 11, Ernie Golden and his Hotel McAlpin orchestra; 12 midnight, McAlpin entertainers.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Adelphia dinner dance orchestra.

WOR, Newark, N. J. (405.2m-740kc), 6:40 p. m., Hotel Bretton Hall string quartet.

WPG, Atlantic City, N. J. (299.8m-1000kc), 6:45 p. m., Arthur Scott Brook, organist; 7, Hotel Morton dinner music; 7:30, Hotel Ambassador dinner music; 8:30, Auction Bridge game; 9, Hotel Traymore concert orchestra; 10, Million Dollar Pier dance orchestra; 10:30, Hotel Traymore Grill dance orchestra; 11, Silver Slipper Supper club, Eddie McKnight's dance orchestra.

WTAG, Worcester, Mass. (267.7m-1120kc), 8-8:30 p. m., WEAF; 10-11:30, WEAF.

Eastern Standard or Central Daylight Saving Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 5:30 p. m., Little symphony orchestra; 7:30, Commencement exercises, Westinghouse Technical Night school; 8:30, sacred music, First Presbyterian Church of Pittsburgh quartet; Little symphony orchestra; 10:35, concert, Grand theater.

WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., WBAL dinner orchestra; 8-9, Hilda Hopkins Burke, soprano; Celia Brace, violinist; George Bolek, pianist; 9-10, WBAL trio; 10-10:30, WBAL male quartet; 10:30-11, Frederick D. Weaver, organist.

WBBM, Chicago, Ill. (225.4m-1330kc), 8-12 mid., Alemite orchestra; Moss Covered melodies; Badger Four.

WBZ, Springfield, Mass. (333.1m-900kc), 6 p. m., Bob Patterson's Hotel Kimball trio; 6:33, Louise Bacon, pianist; Kathleen Kent, violinist; Frances Cormier, cellist; 8, movie club; 9, Angelus quartet.

WCBD, Zion, Ill. (344.6m-870kc), 9 p. m., Zion orchestra; Trombone quartet; Mrs. J. D. Thomas, soprano; M. P. Barton, tenor; Alice Clark, contralto; John Studebaker, clarinetist; Mrs. Blanche Kesler, reader.

WEBH, Chicago, Ill. (370.2m-810kc), 7-8 p. m., Edgewater Beach hotel Oriole orchestra; Kathryn Forbes; Lydia Lochner; 9:10-10, Uptown theater; 11-12:30, Cook Sisters, orchestra; Harmony singers.

WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert; 8:15-10, Skylark dance band; Gladys Sanderson; Marvelle Payette, soprano; Hubert Haussler, baritone; 12-1 a. m., Gerald Marks' orchestra.

WGN, Chicago, Ill. (302.8m-990kc), 6:45-7:15 p. m., Blackstone string quintet, Drake concert ensemble; 8-9, WEAF; 9-10, "Down the Mississippi;" 10:40-11, musical program, ensemble.

WHT, Chicago, Ill. (399.8m-750kc), 7 p. m., organ recital, Al Carney; 7:50, Loftis Diamond quartet; 8:45-10:15, (238m-1260kc), Cinderella cafe orchestra; 10:50, (399.8m-750kc), Pat Barnes and Al Carney; 12, U. S. L. half hour of dance music.

WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., dinner concert, Chester Newman, baritone; Charlotte Edwards, contralto; Eugene Wallenius; Margaret Cade, soprano; string trio; 12, Ted Florito, Dan Russo, Marie Tully, Wayne Myers, Jack Goodwin, Ray Hibbler, Joe Coffee, Harry Brooker.

WJAZ, Chicago, Ill. (329.5m-910kc), 9-12 mid., Club Chez Pierre; the Quips that Pass in the Night; William Hayden, tenor; Frances Rosemary Scheib, soprano; Henrietta Nolan, violinist.

WJJD, Mooseheart, Ill. (370.2m-810kc), 5:30-7 p. m., dinner concert; Jock Nelson; Howard Peterson, organist; Palmer House symphony players; Victorians; 8-9, child artists; 10-11, Victorians; Russian music, Rushmore ensemble singers; 12:30 a. m., Settin' Up hour.

WJR, Pontiac, Mich. (526.9m-580kc), 7 p. m., Glover Watson, old-time dance orchestra; 8, Tom Bartel's Boys; 9, Jean Goldkette's orchestra.

WLIB, Chicago, Ill. (302.8m-990kc), 7-7:05 p. m., Million sing; 7:05-7:15, Old-fashioned almanack; 7:15-7:30, dinner music; 7:30-8, WEAF; 11-11:20, Carrell and Gosden; 11:20-1 a. m., Liberty studio ensemble; Ambrose Larsen, organist; Tommy Thatcher's dance orchestra; Purple Grackle orchestra.

WLS, Chicago, Ill. (344.6m-870kc), 6:30 p. m., Elsie May Look, organist; 6:45, College Inn orchestra; 7:15, "The Count and the Wedding Guest," Prof. Davis Edwards; 7:30, Ralph Emerson, organist; 7:50, Voice of the Listener; 7:55, Amber Andrews; 8, popular music; 8:20, Westminster quartet.

WLW, Cincinnati, Ohio (422.3m-710kc), 7:30 p. m., piano memories; 8:30, half hour with harp and flute, Grace Lanster, Wilma Deering; 9, Formica orchestra.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Hotel LaSalle orchestra; 8:30, Yolanda C. Schaumberger, soprano; 9:20, Edith M. Carver.

WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon ensemble; Genevieve Barry Burnham; 9-11, Trianon orchestra; Joe Warner, Oxford Girls.

WOK, Chicago, Ill. (217.3m-1380kc), 4:30-6 p. m., Capitol theater organ; tenor; string ensemble; 6-7, Tip Top Inn; 10-1:30 a. m., Tearney's Town club orchestra; Pershing Palace orchestra; Midway Garden orchestra; Capitol theater program, studio program.

WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9-10 p. m. Ye Olde Tyme Songe Feste, Roy Clark, Sally Simpkins, Claude Lee, Marian Cusser, Beth Garrison, Regent Little symphony orchestra; 10-11, Van Wyck instrumental quartet; Ruth Rolland, Paul and Loren Van Wyck, Tudor Lanius.

WORD, Batavia, Ill. (275.1m-1090kc), 7 p. m., Bruce Bell, 7:45, Bible questions; 9, musicale; 11, Public Service company of Northern Illinois; 11:45, Bible lecture.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Garden orchestra; 10-2 a. m., Rainbo Garden orchestra; Jerry Sullivan; Hal Lansing; Bert Davis; Everett George Opie; Harold Olson, baritone; Ila Shannabrook, soprano; Romo Vincent, boy baritone; Will Rossiter; Johnny Poat, baritone; Tell Taylor, tenor; Ward Purkeyser, tenor.

WRC, Washington, D. C. (468.5m-640kc), 8 p. m., Breyer hour, WJZ; 9, WJZ; 9:30, studio concert; 10:30, Meyer Davis' Swanee syncopators.

WSAI, Cincinnati, Ohio (325.9m-920kc), 7 p. m., WEAF; 7:30, concert; 8, WEAF; 9, musicale.

WSWS, Chicago, Ill. (275.8m-1090kc), 6 p. m., Zola Haynes, pianist; Vesta Balch, ballads; 8, Jean St. Anne, baritone; Terrace Gardens orchestra; Alice Oliver, violinist; 10, Cook Sisters; Terrace Gardens; John Clark, Art Billiquist; Ruby Rossina.

WTAM, Cleveland, Ohio (389.4m-770kc), 6 p. m., State theater vaudeville; 7-10, WEAF; 10, studio program; 11, Collegian serenaders.

WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7, WEAF.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., Little symphony; 8:05-10:30, University of Nebraska.

KFH, Wichita, Kans. (267.7m-1120kc), 7 p. m., classical program.

KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., concert, Somers, Iowa.

KLDS, Independence, Mo. (440.9m-680kc), 6:30 p. m., morning devotional service.

KMA, Shenandoah, Iowa (252m-1190kc), 9-11 p. m., May's Mandolin Musicians.

KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., dinner recital, Mrs. Jacque Landree, organist; 8, banjo trio, orchestra, light opera selections; Herbert M. Paschen, musical saw soloist; 9, Joe Carione, Rolf Gaudard, soloist; 9:30, organ, violin solos; 10, orchestra, classical selections; 11, Rendezvous club, popular dance music, Al and Bob.

KOIL, Council Bluffs, Iowa (277.6m-1080kc), 6:03 p. m., Original Ukulele Rag-Pickers; 6:30, Randall's Royal orchestra; 7:30, Ray Rice, banjoist; Ivan Collen, pianist; Eric Thornton, tenor; 8, Marion Fisher, soprano; Louise Cuyler, violinist; 11, Hotsy-Totsy hour.

KPRC, Houston, Texas (296.9m-1010kc), 7:30 p. m., Billie Mack's orchestra; 8:30, Mrs. J. M. Jackson, soprano; Lavera Pyle, pianist; 9, Edna Adams; Mrs. E. E. Sawyer, pianist.

KSD, St. Louis, Mo. (545.1m-550kc), 6 p. m., WEAF.

KSO, Clarinda, Iowa (241.8m-1240kc), 8 p. m., Duncan Sisters; 8:20, Eurekan Literary society.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10-10 p. m., opera gems, New Arlington hotel orchestra; Clyde Foley, tenor; 10-10:30, Whittington Park orchestra.

KUOA, Fayetteville, Ark. (299.8m-1000kc), 8 p. m., student orchestra.

KVOO, Bristow, Okla. (374.8m-800kc), 6-9 p. m., Jimmie Wilson and his Catfish string band.

KYW, Chicago, Ill. (535.4m-560kc), 6 p. m., Chicago Evening American studio; 7, program, Congress hotel; 9-9:30, classical concert; 9:30-10:30, Congress carnival.

WBAP, Fort Worth, Tex. (475.9m-630kc), 7:30-8:30 p. m., special Radio wedding; 9:30-11, Euterpean club.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6 p. m., WEAF; 8, Home Brand minstrels.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., Billy Adair's orchestra; 11:45-1 a. m., Nighthawk frolic.

WFAA, Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m., Shaw-Smith college club orchestra; 8:30-9:30, Henri LaBonte and the College of Music and Arts; 11-12 midnight, Jimmie Joy's orchestra.

WGBF, Evansville, Ind. (236.1m-1270kc), 8 p. m., Evansville Typographical union.

WHAS, Louisville, Ky. (399.m-750kc), 7:30-9 p. m., Carl Zoeller's Melodists.

WHB, Kansas City, Mo. (365.6m-820kc), 7-7:45 p. m., organ concert, Linwood theater; 8-9:30, Otts band.

WHO, Des Moines, Iowa (526m-570kc), 7:30-8 p. m., Raleigh quintet; 8-9, Mack Ohman, song writer; Edna Doud Scott, pianist; 11-12 midnight, Bankers Life Corn Sugar orchestra.

WOAI, San Aontonio, Tex. (394.5m-760kc), 8:30 p. m., Gerbhardt Mexican players.

WOAW, Omaha, Nebr. (526m-570kc), 6 p. m., Hugo G. Heyn, xylophonist; 6:50, orchestra; 9, program, Hannan-Vant Brunt company; 10:10, Radio review.

WOC, Davenport, Iowa (483.6m-620kc), 5:45-5:55 p. m., chimes concert; 6-8, WEAF; 8-9, musical program, Davenport Woman's club.

WRR, Dallas, Texas (245.8m-1220kc), 6-7 p. m., Jack Gardner's orchestra; 8-9, Montgomery the photographer.

WSB, Atlanta, Ga. (428.3m-700kc), 10:45 p. m., concert.

WSM, Nashville, Tenn. (282.8m-1060kc), 8 p. m., frolic, Happy Jack's orchestra.

WSOE, Milwaukee, Wis. (245.8m-1220kc), 7 p. m., Elks club studio; 8:45, movie revue; 9, classical music program.

Mountain Standard Time Stations

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Virginia Ballroom orchestra; 8-9, Screen Artists' quartet; 9-10, Composers' hour; 10-11, Packard Radio club.

KFOA, Seattle, Wash. (454.3m-660kc), 7-8 p. m., program; 8:15-8:45, studio program; 8:45-10, studio program; 10-11, Jackie Souders and his Club Lido Serenaders.

KFWB, Hollywood, Calif. (252m-1190kc), 6:30-7:30 p. m., Pontiac Six dinner hour; 8-9, program, Richard Hellman, Inc.; 9-10, program, American Brake Testing Machine company; 10-11, Warner Brothers frolic.

KGO, Oakland, Calif. (361.2m-830kc), 8 p. m., Eveready program, Hother Wismer, violinist; Ruth Waterman, contralto; Harrison Coles, tenor; 9-10, Don Lee Cadillac program; KGO Little symphony orchestra; Albert Gillette, baritone; 10, Madson's Midshipmen.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 10-12, dance music, Herman Kenin's orchestra; Curt Kramer, pianist.

KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., Uncle John and the children; 8-9, Southern California Baptist Young People's program; 9-10, varied program.

NTION BROADCAST THROUGH CHYC

appearing over new microphones are Russ
r Ray-O-Vac Twins. At the present time
Atlantic coast. Elizabeth Coles, violinist,
tsburgh. To the right is Katherine Prescott
ne housewives' matinee at KOA, Denver.

EDUCATIONAL FEATURES

Monday

Atlantic	Eastern	Central	Mountain	Pacific	
5:30p.m.	4:30	3:30	2:30	1:30	WNYC (526m-570kc), German lessons, V. H. Berlitz.
7	6	5	4	3	WEAF (491.5m-610kc), Columbia university lecture.
8	7	6	5	4	WDAF (365.6m-820kc), School of the Air.
8:30	7:30	6:30	5:30	4:30	WSUI (483.6m-620kc), College of the Air.
9:35	8:35	7:35	6:35	5:35	WKAR (285.5m-1050kc), Engineering.
10	9	8	7	6	CKY (384.4m-780kc), U. of Manitoba. WHA (535.4m-560kc), U. of Wisconsin.
10:30	9:30	8:30	7:30	6:30	WHAZ (379.5m-790kc), Educational talk.

Tuesday

Atlantic	Eastern	Central	Mountain	Pacific	
8 p. m.	7	6	5	4	WDAF (365.6m-820kc), School of the Air. WKAR (285.5m-1050kc), Nature study.
8:30	7:30	6:30	5:30	4:30	KSAC (340.7m-880kc), College of the Air.
9:15	8:15	7:15	6:15	5:15	KDKA (309.1m-970kc), U. of Pittsburgh.
10	9	8	7	6	KUOA (299.8m-1000kc), U. or Ark. WMAQ (447.5m-670kc), Lecture, University of Chicago.
11:30	10:30	9:30	8:30	7:30	KFMX (336.9m-890kc), History lecture.
12 m.	11	10	9	8	KTAB (239.9m-1250kc), Mills college.

Wednesday

Atlantic	Eastern	Central	Mountain	Pacific	
6:30 p. m.	5:30	4:30	3:30	2:30	WNYC (526m-570kc), Spanish lesson, V. H. Berlitz.
8	7	6	5	4	WDAF (365.6m-820kc), School of the Air.
8:30	7:30	6:30	5:30	4:30	KSAC (340.7m-880kc), College of the Air.
8:45 p. m.	7:45	6:45	5:45	4:45	WKAR (285.5m-1050kc), Landscape architecture.
9	8	7	6	5	WHB (365.6m-820kc), Automotive talk. WMAQ (447.5m-670kc), Lecture, Northwestern university.
9:15	8:15	7:15	6:15	5:15	KDKA (309.1m-970kc), U. of Pittsburgh.
9:30	8:30	7:30	6:30	5:30	WSUI (483.6m-620kc), College of the Air.

Thursday

Atlantic	Eastern	Central	Mountain	Pacific	
8 p. m.	7	6	5	4	WDAF (365.6m-820kc), School of the Air. WKAR (285.5m-1050kc), Nature study series. WSUI (483.6m-620kc), Correspondence course.
9:45	8:45	7:45	6:45	5:45	WOI (270.1m-1110kc), Educational opportunities. WMAQ (447.5m-670kc), U. of C. lecture. KUOA (299.8m-1000kc), U. of Arkansas.

Friday

Atlantic	Eastern	Central	Mountain	Pacific	
6:30p.m.	5:30	4:30	3:30	2:30	WNYC (526m-570kc), French lesson.
7:45	6:45	5:45	4:45	3:45	WTIC (475.9m-630kc), Cartoon lessons, Bud Kingston.
8	7	6	5	4	WDAF (365.6m-820kc), School of the Air. WOAW (526m-570kc), "Musical Appreciation," Hester Bronson Copper.
8:30	7:30	6:30	5:30	4:30	KSAC (340.7m-880kc), College of the Air.
9	8	7	6	5	WKAR (285.5m-1050kc), State Department program.
9:15	8:15	7:15	6:15	5:15	KDKA (309.1m-970kc), U. of Pittsburgh.
10	9	8	7	6	WMAQ (447.5m-670kc), U. of Chicago.
11:15	10:15	9:15	8:15	7:15	KWSC (348.6m-860kc), State College of Washington.
11:45	10:45	9:45	8:45	7:45	KOAC (280.2m-1070kc), Oregon Agricultural college.

KNX, Hollywood, Calif. (336.9m-890kc), 7-7:45 p. m., program, Geo. E. Read, Inc.; talk; 8-9, program, Builders Finance association; 9-10, program, Western Auto Supply company; 10-12 midnight, Ambassador hotel dance orchestra.

KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7 p. m., States Restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel orchestra; 8-9, James Lono's Hawaiian orchestra; 9-10, Mona Motor Oil trio; Gypsy and Marta; 10-11, Palace Hotel Rose room dance orchestra.

KPSN, Pasadena, Calif. (315.9m-950kc), 6-6:15 p. m., dinner time news; 8-9, Adolf Tandler instrumental group.

KTAB, Oakland, Calif. (239.9m-1250kc), 8-9 p. m., educational program, Mills college.

Wednesday, June 2

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific	
6 p. m.	5	4	3	2	WRC (468.5m-640kc), U. S. Marine band.
8	7	6	5	4	WMCA (340.7m-880kc), X-IT Hawaiians. WTIC (475.9m-630kc), Ukulele lesson.
8:30	7:30	6:30	5:30	4:30	WMAK (265.3m-1130kc), Convention of American Guild of Organists.
9	8	7	6	5	WCOA (222m-1350kc), Pep Purveyors. WEBJ (272.6m-1100kc), Busoni's Neapolitans. WLIT (394.5m-760kc), Talk, Col. Roosevelt.
10	9	8	7	6	WJAR (305.9m-950kc), Tabloid musicale.
11:15	10:15	9:15	8:15	7:15	KOA (322.4m-930kc), College of Music, U. of Colo.
12 m.	11	10	9	8	WHT (399.8m-750kc), Al and Pat Specialties. WLW (422.3m-710kc), Pink of programs.

Wednesday, silent night for: CHIC, CKAC, KCNC, CNRA, CNRC, CNRE, CNRM, CNRR, CNRT, CNRV, KFAU, KFXF, KFMQ, KGO, KLDS, KMMJ, KOB, KOIL, KPSN, KSAC, KTAB, KUOA, WABQ, WAIU, WBAL, WBAP, WBBR, WCAL, WCBD, WEBW, WFAA, WGBF, WGBS, WGCP, WHAR, WHAZ, WIP, WJAD, WJAZ, WLWL, WMC, WOAI, WOAW, WOI, WPG, WRC, WRR, WSUI.

Atlantic or Eastern Daylight Saving Time Stations

CFCA, Toronto, Can. (356.9m-840kc), 8:30 p. m., Hambourg Conservatory of Music; 11, Gilbert Watson and his orchestra.

WAHG, Richmond Hill, N. Y. (315.6m-950kc), 7:30 p. m., Margie Make-Believe; 7:45, Jimmy Smith, banjo king; 8, Gertrude Bardusch, contralto; 8:15, Michael Lamberti, cellist; 8:30, Gertrude Bardusch, contralto; 8:45, Michael Lamberti, cellist; 9, Orpheus mixed quartet; 9:30, Milton Schwartz, violinist; Milton Katz, pianist; 10, Reinhold Ricschick, bandonion soloist; 10:20, dance orchestra.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:35 p. m., recital, N. Snellenburg and company; 8:10, Hotel Pennsylvania orchestra; 8:30, Miller piano period; 9, Gol Mar Grecters; 9:30, Helen Travis Hoel, soprano; 9:45, Senator Hassenpfeffer; 10, Desmond, Borthman and McCullough, instrumental trio; 10:15, Maurice Patton, tenor; 10:30, Zoehrng and Herscher, songs; 10:45, Frank Cook, old-time songs; 11, Artie Bittong's Cheer-Up club.

WEAF, New York, N. Y. (491.5m-610kc), 6 p. m., dinner music; 7, synagogue services; 7:30, musicale; 8, Shinola Merrymakers, Gentlemen of the 2 in 1, WTAG, WCAE, WWJ, WJAR, KSD, WGR, WEEI, WOO, WCSH, WOC, WCCO, WCAP, WSAI; 8:30, Davis Saxophone octet, WOO, WCAE, WSAI, WEEI, WJAR, WGR, WCSH; 9, Ipana Troubadours, WEEI, WCAP, WOO, WWJ, WLIB, WCCO, WOC, WGR, WSAI, KSD; 10, "Buccaccio," light opera company, WCAP, WJAR, WDAF, WEEI, WTAG, WCAE, WWJ, WCSH, KSD, WTIC; 11-12, Pelham Heath Inn orchestra.

WEBJ, New York, N. Y. (272.6m-1100kc), 8 p. m., Ed Berlin and his Moonglow orchestra; 8:45, Edna Josephs, pianist; 9, Busoni's Neapolitans; 9:30, McLeans' dance orchestra.

WEEI, Boston, Mass. (348.6m-860kc), 7:30 p. m., musicale; 8-10, WEAF; 10, musicale.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra.

WGBS, New York, N. Y. (315.6m-950kc), 6:30 p. m., Fess Williams Savoy ballroom orchestra; 7, "Future of the Medical Profession."

WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., Gospel Melodists; 8, WEAF; 10, "The Hour of Kings," Kellogg Products, Inc.

WHN, New York, N. Y. (361.2m-830kc), 7:30 p. m., Loew's Lexington organ recital; 8, entertainers; 9, Loew's New York orchestra; 9:30, Palisades Amusement Park orchestra; 10, Roseland dance orchestra; 11:30, Silver Slipper orchestra; 12, Cotton Club orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 7, Uncle Wip's bedtime stories; Florence Medoff, songs.

WJAR, Providence, R. I. (305.9m-980kc), 7:30 p. m., chamber musicale; 7-9, WEAF; 9, musicale; 10, tabloid musicale.

WJZ, New York, N. Y. (454.3m-660kc), 7 p. m., Hotel Commodore concert orchestra; 8, Imperial Imps; 8:30, concert; 9:50, Associated Press; 10:30, Hotel Vanderbilt Della Robbia room orchestra.

WLIT, Philadelphia, Pa. (394.5m-760kc), 9 p. m., Shriners' convention, talk by Colonel Roosevelt; 10, Arcadia cafe dance orchestra.

WLWL, New York, N. Y. (288.3m-1040kc), 9 p. m., program; 9:45, concert.

WMAK, Buffalo, N. Y. (265.3m-1130kc), 7:15 p. m., dinner music, Hotel Lafayette; 7:30-8:30, dinner music, Hotel Onondaga; 8:30-10, Lynnwood Farnam, organist; 10-11, musicale, Rochester, WGY.

WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Olcott Vail and his Hotel McAlpin string ensemble; 6:30, Ernie Golden and his Hotel McAlpin orchestra; 8, X-It Hawaiians; 8:30, Meister's Homesteaders; 9, Mamaroneck night; 9:30, Woodmansten Inn orchestra; 12 midnight, McAlpin entertainers.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:40 p. m., Sylvania dinner dance orchestra; 8, WEAF; 10, Fox theater studio program; 10:30, Ritz Carlton dance orchestra.

WOR, Newark, N. J. (405.2m-740kc), 6:30 p. m., Jacques Jacobs' Hotel Shelton ensemble; 9:30, French line program; 11, Larry Siry's Hotel Ambassador orchestra.

WTAG, Worcester, Mass. (267.7m-1120kc), 6-7 p. m., WTAG orchestra; 8-8:30, WEAF; 8-10, musicale; 10-11, WEAF.

Eastern Standard or Central Daylight Saving Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 5:30 p. m., dinner concert; Everglades club orchestra; 8:30, P. M. I. concert.

WBBM, Chicago, Ill. (225.4m-1330kc), 8-10 p. m., popular period; 12, Nutty club.

WBZ, Springfield, Mass. (333.1m-900kc), 6 p. m., Jolly half-hour, Musical Mirth Makers, Bert Dolan's orchestra; 6:45, M. A. C. Radio forum; 7, Little Screen Players; 7:30, Nature league; 8, WBZ concert group; 9, Mr. Gehrman, bass-baritone; Sadie Yellen, soprano; 9:30, announced.

WEBH, Chicago, Ill. (370.2m-810kc), 7-8 p. m., Osborn's orchestra; Florence Behrend; Frank Greif, Frank Bordner; 9-10, Osborn's orchestra; Frank Bordner; Lawrence Salerno; 11-12:30, Oriole orchestra; Kay Ronayne, Florence Behrend.

WGHB, Clearwater, Fla. (265.3m-1130kc), 8:30-10 p. m., Rex Dantzler, tenor; Helen Ferryman, Warford, pianist.

WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert; 8-10, Little symphony orchestra; Mme. Gizi Szanto, pianist; quartet; 12-1 a. m., Gerald Marks' orchestra.

WGN, Chicago, Ill. (302.8m-990kc), 6:45-7:15 p. m., Blackstone string quintet; 9-10, grand opera selections; 10-10:10, Sam 'n' Henry; 10:10-10:20, studio music; 10:30-12:30, Pepper Party.

WHT, Chicago, Ill. (399.8m-750kc), 7:10 p. m., Edwin Kemp, tenor; 7:50, Borden organ recital; Triangle entertainers; specialties; 10:15 (238m-1260kc), Cinderella cafe orchestra; 11, (399.8m-750kc), Art Becker, pianist; Al and Pat; 12 midnight, your hour league.

WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., Dorothy Rae, soprano; Charles Champlin, baritone; Evelyn Elliott, contralto; Frank Grief, tenor; trio; 10-12, Marie Tully, Wayne Myers, William Molnaire, Cramer and O'Grady; Elsie Orr; Lenore Friedman, Pearl Holtzman.

WJAZ, Chicago, Ill. (329.5m-910kc), 9-12 midnight, Club Chez Pierre; Earl Hoffman's Chez Pierre orchestra; June Radley, pianist; John Bennet, ham-baritone; Chez Pierre Hawaiian quartet.

WJJD, Mooseheart, Ill. (370.2m-810kc), 5:30-7 p. m., dinner concert; Jack Nelson; Howard Peterson, organist; symphony players, Victorians; 8-9, child artists, solos, bands; 10-11, Victorians, Isabel Defaut, Simeon Oliver, pianist; R. Thomas; 12:30 a. m., Settin' Up hour.

WJR, Pontiac, Mich. (526.9m-580kc), 7 p. m., Jean Goldkette's Petite symphony orchestra; 7:45, Goodwill Oakland; 9, Jean Goldkette's orchestra; 11, Murphy Brothers organ; 12 midnight, Merry Old Chief, Jewett Radio Jesters.

WKAR, East Lansing, Mich. (285.5m-1050kc), 8-9 p. m., musical program.

WLIB, Chicago, Ill. (302.8m-990kc), 7-7:05 p. m., million sing; 7:15-7:30, dinner concert; 7:30-7:50, Pattison Coates, baritone; Edward Barry, pianist; 7:50-8, Auld Sandy; 8-9, WEAF; 12:30-1, Ambrose Larsen, organist.

WLS, Chicago, Ill. (344.6m-870kc), 6:30 p. m., model program.

WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., Hotel Gibson; 10, Thorobred entertainment; 11, Pink of programs.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Hotel LaSalle orchestra; 8:25, Whitney trio; 8:55, WMAQ players, chimes.

WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon duo; 9-11, Trianon orchestra; artists.

WOK, Chicago, Ill. (217.3m-1380kc), 4:30-7 p. m., Capitol theater organ; studio program; Tip-Top Inn string ensemble; 10-1:30 a. m., Tearney's Town club orchestra; Pershing Palace orchestra; Midway Garden orchestra; Capitol theater program.

WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9-10 p. m., 16-fingered Paul, Moke Marrin, Helen Neuman, Jim Forshey, Ruth Glaser, Pearl Knudson, Sid Goldman; 10-11, Atwater Kent hour.

WORD, Batavia, Ill. (275.1m-1090kc), 7 p. m., North Shore line; 9, Webster hotel trio; I. B. S. A. choral singers; 9:20, Calvin H. Swingle.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Gardens orchestra; 10-2 a. m., Rainbo Gardens orchestra; Melodians; Clarence Theders, tenor; Joe Warner, character songs; Oxford Girls; Gail Bandell.

WRC, Washington, D. C. (468.5m-640kc), 5-6:30 p. m., U. S. Marine band.

WRVA, Richmond, Va. (256.3m-1170kc), 8:45 p. m., Stockton glee club; 9:10, glee club; 9:45, organ recital, R. C. Hyde; 11, Carry Me Back to Old Virginny.

WSAI, Cincinnati, Ohio (325.9m-920kc), 6:45 p. m., chimes, Robert Badgley; 7-9, WEAF; 9, musicale; 10, Congress Playing Card string quartet.

WSWS, Chicago, Ill. (275.8m-1090kc), 6 p. m., Dean Terrill, baritone; Rita McFawn; Terrace Gardens orchestra; 8, Terrace Gardens; narrative recital; 10, Smith and Ford; Gus Edwards orchestra.

WTAM, Cleveland, Ohio (389.4m-770kc), 6:15 p. m., Hotel Cleveland orchestra; 8, Public Auditorium program.

WTIC, Hartford, Conn. (475.9m-630kc), 5:30 p. m., Bond trio; 7, Dan Nolan, ukulele lesson; 7:30, Hazel Porter Snow, contralto; Mrs. L. L. Beach, pianist, 7:45, Katherine Horahan, soprano; 8:15, Laura C. Gaudet, pianist; 8:30-9, Esther A. Nelson, organist.

WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7, WEAF; 7:30, News orchestra; 8, dance program; 9, WEAF.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., dinner concert; 8:30-10:30, Gloomy Gus entertainers; Orville Andrews, Buick Warbler; Mike Kopac, King of the Ivories; Buick Master Six orchestra.

KFH, Wichita, Kans. (267.7m-1120kc), 7 p. m., musicale.

KFKX, Hastings, Nebr. (288.3m-1040kc), 9-11 p. m., musical program, Lincoln.

KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., concert, Henry Field Seed company.

KMA, Shenandoah, Iowa (252m-1190kc), 9-11 p. m., program, Margaret Ziegenbein.

KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., dinner recital, Mrs. Jacque Landree, organist; 7-8:30, Shut-in entertainers, orchestra; 8:30-9:30, orchestra, light opera selections; 9:30-11:30, orchestra, soloists; 11:30, Rendezvous club.

KPRC, Houston, Texas (296.9m-1010kc), 7:45 p. m., Jack Willrich's orchestra; Virginia Willrich, piano accordionist; 8:45, Frank Tilton, blind wonder boy pianist.

KSD, St. Louis, Mo. (545.1m-550kc), 6 p. m., WEAF; 6:30, Hotel Statler concert orchestra; 7, WEAF; 8, WEAF.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10-10 p. m., Lawson Reid, organist; 10-10:30, Ray Mullins orchestra.

KVOO, Bristow, Okla. (374.8m-800kc), 6-9 p. m., Radio trio; Mascho, Cunningham, Mascho.

KYW, Chicago, Ill. (535.4m-560kc), 6 p. m., musicale program; 8-9:30, classical concert; 9:30-11, Congress carnival.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6 p. m., WEAF; 8, Midweek church service; 9, Nash-Finch concert orchestra; 10:05, Marigold Garden dance orchestra; 11:30, Eddie Dunstedter, organist.

WCOA, Pensacola, Fla. (222m-1350kc), 7 p. m., Mrs. Benn's Young Ladies chorus; Harry T. Howland, violinist; Mrs. Gray Bell, vocalist; Tony Bruno, saxophonist; Maud Williams, vocalist; Gladys Villar, pianist; Michael Dilustro, tenor; Florida Footwarmer's dance orchestra.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., Zez Confrey's orchestra; 8-9, WEAF; 11:45-1 a. m., frolic.

WHAS, Louisville, Ky. (399.8m-750kc), 7:30-8 p. m., Pat Armour's orchestra; 8-8:30, Bittick-Benson orchestra; 8:30-9, R. E. Gleason, ukulele soloist.

WHB, Kansas City, Mo. (365.6m-820kc), 10:30-11:30 p. m., midweek musicale.

WHO, Des Moines, Iowa (526m-570kc), 6-7 p. m., Bankers Life Little symphonic orchestra; 7:15-8:15, Irene Dorans Little symphony; 8:15-9, Harry Lewis, Normand Broholm; Kate Millers, whistler, Maude Hughes, accompanist; Mack Ohman; 9-12, dance.

WOAI, San Antonio, Tex. (394.5m-760kc), 8:30 p. m., Army night program.

WOC, Davenport, Iowa (483.6m-620kc), 5:45-5:55 p. m., chimes concert; 6-8, WEAF; 9:30-10:30, Erwin Swindell, organist.

WSB, Atlanta, Ga. (428.3m-700kc), 10:45 p. m., Flint Six orchestra.

WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., Beasley Smith's orchestra; 8:15, Daisy Sartain, pianist; 10, John Trotwood Moore, reader.

WSMB, New Orleans, La. (319m-940kc), 8:30 p. m., Paul Jacobs and his male quartet; Doris Martinez, soprano; Sunny South trio.

WSOE, Milwaukee, Wis. (245.8m-1220kc), 7 p. m., dinner music, Elks club studio; 9, educational program; 9:50, report, Wisconsin Humane society.

Mountain Standard Time Stations

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra; 8, Scheuerman's Colorado orchestra; 8:15, College of Music, U. of Colorado; KOA orchestra; Bernice Friend Ardourel, soprano; Vera Bryce, Margaret Saunders, pianist; KOA orchestra.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-7:30 p. m., Grebe Synchrophase string ensemble; 7:30-8, Nick Harris detective story; 8-9, program, California Petroleum corp.; 9-10, varied program; 10-11, dance music.

KFOA, Seattle, Wash. (454.3m-660kc), 6:45-8:15 p. m., Hopper Kelly company studio program; 8:30-10, program.

KFWB, Hollywood, Calif. (252m-1190kc), 6:30-7:30 p. m., Pontiac Six dinner hour; 8-9, Bill Hatch's orchestra; 9-10, program, Pacific Development company; 10-10:30, Mutual Motors Mirth contest; 10:30-11:30, Warner Brothers frolic.

KGO, Oakland, Calif. (361.2m-830kc), 6 p. m., dinner concert.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-9, concert; 9-10, vocal and instrumental music; 10-11, vocal, instrumental.

KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., Uncle John and the Children; 8-10, Times de luxe program.

KNX, Hollywood, Calif. (336.9m-890kc), 7-8 p. m., program, Hoyt Water Heater company; 8-9, Security Trust and Savings bank program; 9-10, Motor Transit stages; 10-11, feature program; 11-12 midnight, Cocoanut Grove dance orchestra.

KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7 p. m., States Restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel orchestra; 8-9, Atwater Kent artists; 9-10, Goodrich Silvertown Cord orchestra; 10-11, States Restaurant orchestra.

KWSC, Pullman, Wash. (348.6m-860kc), 8-9:30 p. m., Montezuma club orchestra; Esther Allen, pianist; Ruth Hoag, vocalist; Helene Ingersoll, reader.

NO

HIC

THE FIRST change in t Nighthawk WDAF. Zez Con tra will take the Victor Recording become the mus these well-knowr

Two refreshing be enjoyed this w tuning in Saturd 12, at 10 p. m. E for the Mayflowe at WRC. A shi and the navy son will start the cr harmony and r Husing, announc as official conduc excursions and a flower voyages.

The young wri interested in the 1, by Nell Sneed the Kansas City will let the novi of running a won

The mystery mountains will k bound who dial delphia, Wednesd Roosevelt, who h from hunting among these sno talk.

Virginia Flohr have combined t one of the mos Pacific broadcas who has created ence during her p ing from KFI, a and welcome ad cal circles, disco promptu recital i that their voices blended unusual audience, after t responded so hea duets was annou two will present

Tuesday

Headlin

Atlantic	Eastern	Ce
6:45 p. m.	5:45	

WEAF (491.5m-610kc), university.

8	7	

KFRU (374.8m-800kc), C

8:30	7:30	6:

WGBS (315.6m-950kc), Greek
WDAF (365.6m-820kc), Nell Sneed, of Star.

9:20	8:20	7:20	6

WLS (344.6m-870kc), Westminster q

9:30	8:30	7:30	6

KPRC (296.9m-1010kc), Billie Mack'
WBAP (475.9m-630kc), Radio weddin
WHAS (399.8m-750kc), Carl Zoeller'
WHO (526m-570kc), Raleigh quintet.

10	9	8	7

KUOA (299.8m-1000kc) Student orch
WCCO (416.4m-720kc), Home Brand

10:30	9:30	8:30	7

WPG (299.8m-1000kc), "The Lover's

11	10	9	8

WTAM (389.4m-770kc), Collegian ser

11:10	10:10	9:10	8

KTHS (374.8m-800kc), Opera gems.

1 a. m.	12 m.	11	10

KGO (361.2m-830kc), KGO Little s

Tuesday, silent night for: CFCA, CNRC, CNRE, CNRM, CNRO, CNRT, KFUO, KUOA, KFWA, KOA, KOAC, KUOM, KSAC, KTAB, KWSC, W WAIU, WAMD, WBBR, WCAL, WGCP, WHA, WHAZ, WJAZ, W WMAZ, WOI, WOR, WOS, WSMB, WTIC.

Atlantic or Eastern Daylig Time Stations

WCAU, Philadelphia, Pa. (277.6m-1080 N. Snellenburg and company; 8, Car prano; 8:30, Hood Boys; 8:45, Kat contralto; 9, The Merry Minstrels; 9 tenor; 9:45, Chalfont Sisters, songs; 1 Ellis, Radio sweethearts; 10:30, My chiffets.

WEAF, New York, N. Y. (491.5m-610k ner music; 6:45, commencement ex university; 8, Grand Prize Eureka, W WCAE, WWJ, WCSH, WSAI, WTA WOC, WTAM, WJAR; 8:30, Gold Du WFI, WCAE, WGR, WWJ, WOC, WCCO, WLIB, WTAM, KSD; 9, WEEI, WFI, WCAE, WGR, WWJ, WJAR, WCCO, WLIB, WTAM, KSD; 9, hour, WEEI, WFI, WCAE, WGR, WWJ, WOC, WJAR, WCCO, WTAG, WGN, WTAM, WSAI; Redferne Hollinshead, tenor; 10:30, Ben Bernie and his orchestra; 11-12, Buffalodians dance orchestra.

WEBJ, New York, N. Y. (272.6m-1100kc), 7 p. m., Dan Barnett' orchestra; 7:30-7:45, Luna Park program; 8:15, duets, Blanche and Hugh Ramsen; 8:45, Luna Park program.

WEEI, Boston, Mass. (348.6m-860kc), 7:30 p. m., Minute Men; 8-11, WEAF.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra; 7:15, talk, Jewish Federation; 8-10:30, WEAF; 10:30, Bellevue Stratford dance orchestra.

WGBS, New York, N. Y. (315.6m-950kc), 8:30 p. m., Greek program, Near East Relief; 11, Arrowhead Inn dance orchestra.

WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., Vincent Lopez Hotel Statler dance orchestra; 8, WEAF.

WHAR, Atlantic City, N. J. (275.1m-1090kc), 8 p. m., Seaside hotel trio.

WHN, New York, N. Y. (361.2m-830kc), 6:30 p. m., Everglades orchestra; 7:30, Will Oakland's chateau; Lydia Lochner; 9:10-10, Uptown theater; 11-12:30, Cook Sisters, orchestra; Harmony singers.

WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert; 8:15-10, Skylark dance band; Gladys Sanderson; Marvelle Payette, soprano; Hubert Haussler, baritone; 12-1 a. m., Gerald Marks' orchestra.

WGN, Chicago, Ill. (302.8m-990kc), 6:45-7:15 p. m., Blackstone string quintet, Drake concert ensemble; 8-9, WEAF; 9-10, "Down the Mississippi;" 10:40-11, musical program, ensemble.

WHT, Chicago, Ill. (399.8m-750kc), 7 p. m., organ recital, Al Carney; 7:50, Loftis Diamond quartet; 8:45-10:15, (238m-1260kc), Cinderella cafe orchestra; 10:50, (399.8m-750kc), Pat Barnes and Al Carney; 12, U. S. L. half hour of dance music.

WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., dinner concert, Chester Newman, baritone; Charlotte Edwards, contralto; Eugene Wallenius; Margaret Cade, soprano; string trio; 12, Ted Florito, Dan Russo, Marie Tully, Wayne Myers, Jack Goodwin, Ray Hibbler, Joe Coffee, Harry Brooker.

May's Mandolin Musicians.

KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., dinner recital, Mrs. Jacque Landree, organist; 8, banjo trio, orchestra, light opera selections; Herbert M. Paschen, musical saw soloist; 9, Joe Carione, Rolf Gaudard, soloist; 9:30, organ, violin solos; 10, orchestra, classical selections; 11, Rendezvous club, popular dance music, Al and Bob.

KOIL, Council Bluffs, Iowa (277.6m-1080kc), 6:03 p. m., Original Ukulele Rag-Pickers; 6:30, Randall's Royal orchestra; 7:30, Ray Rice, banjoist; Ivan Collen, pianist; Eric Thornton, tenor; 8, Marion Fisher, soprano; Louise Cuyler, violinist; 11, Hotsy-Totsy hour.

KPRC, Houston, Texas (296.9m-1010kc), 7:30 p. m., Billie Mack's orchestra; 8:30, Mrs. J. M. Jackson, soprano; Lavera Pyle, pianist; 9, Edna Adams; Mrs. E. E. Sawyer, pianist.

KSD, St. Louis, Mo. (545.1m-550kc), 6 p. m., WEAF.

KSO, Clarinda, Iowa (241.8m-1240kc), 8 p. m., Duncan Sisters; 8:20, Eurekan Literary society.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10-10 p. m., opera gems, New Arlington hotel orchestra.

club.

KFOA, Seattle, Wash. (454.3m-660kc), 7-8 p. m., program; 8:15-8:45, studio program; 8:45-10, studio program; 10-11, Jackie Souders and his Club Lido Serenaders.

KFWB, Hollywood, Calif. (252m-1190kc), 6:30-7:30 p. m., Pontiac Six dinner hour; 8-9, program, Richard Hellman, Inc.; 9-10, program, American Brake Testing Machine company; 10-11, Warner Brothers frolic.

KGO, Oakland, Calif. (361.2m-830kc), 8 p. m., Eveready program, Hother Wismer, violinist; Ruth Waterman, contralto; Harrison Coles, tenor; 9-10, Don Lee Cadillac program; KGO Little symphony orchestra; Albert Gillette, baritone; 10, Madson's Midshipmen.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 10-12, dance music, Herman Kenin's orchestra; Curt Kramer, pianist.

KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., Uncle John and the children; 8-9, Southern California Baptist Young People's program; 9-10, varied program.

NORTH AMERICAN KIWANIS CONVENTION BROADCAST THROUGH CHYC

HIGH LIGHTS OF THE AIR

THE FIRST of June brings a change in the personnel of the Nighthawk frolics at Station WDAF. Zez Confrey and his orchestra will take the place of Ted Weems' Victor Recording orchestra and will become the musical background for these well-known Radio frolics.

Two refreshing week-end trips may be enjoyed this warm weather by fans tuning in Saturdays, June 5 and June 12, at 10 p. m. Eastern standard time for the Mayflower orchestra programs at WRC. A ship's bell and whistle and the navy song "Anchors Aweigh" will start the cruises into the seas of harmony and rhythm. Edward H. Husing, announcer at WRC, will act as official conductor aboard the Tivoli excursions and as pilot for the Mayflower voyages.

The young writer will be especially interested in the talk Tuesday, June 1, by Nell Sneed, woman's editor of the Kansas City Star. Miss Sneed will let the novice in on the secrets of running a woman's page.

The mystery of the Himalaya mountains will keep the listener spellbound who dials for WLIT, Philadelphia, Wednesday, June 2. Colonel Roosevelt, who has recently returned from hunting museum specimens among these snow-covered peaks will talk.

Virginia Flohri and Robert Hurd have combined their talents to form one of the most popular "acts" of Pacific broadcasting. Miss Flohri, who has created an enthusiastic audience during her past three years singing from KFI, and Mr. Hurd, a recent and welcome addition to coast musical circles, discovered, during an impromptu recital in Miss Flohri's home that their voices, soprano and tenor, blended unusually well. The KFI audience, after their first duet recital, responded so heartily that a series of duets was announced. On June 3 the two will present an interesting concert of Schubert, Schumann, Greig and Strauss.

Ninety-eight thousand Kiwanians over the North American continent will be interested in the Radio broadcasting of the 10th Annual International Kiwanis convention on Monday evening, June 7, in Montreal over CHYC. This united simultaneous meeting of the 1,530 clubs on the North American continent will be the third time Kiwanis has synchronized a continent-wide unified expression of international understanding. The Radio, of course, will greatly aid in this opportunity.

Summer is here—the time when canoes glide softly through the moonlight and every young person desires to fit into this romantic atmosphere to best advantage. Dan Nolan, nationally recognized ukulele expert, will furnish just the right accomplishment. Learn to play this Hawaiian instrument by dialing for WTIC, Wednesday, June 9. Mr. Nolan will tell you just how he does it and how you can do it, too.

Colorado's semicentennial anniversary will be observed over KOA, Denver, Friday evening, June 11, when a special two-hour studio program will be given by the Colorado-Made Goods club under the direction of Mrs. Alvin B. Collins. One of the introductory features will be a "word scenario" on "Cultural Colorado," followed by a group of vocal numbers by the Unity church quartet, primitive Indian music by Dr. Jean Allard Jeancon, curator of archaeology of the Colorado museum, and Spanish airs by the station orchestra. Songs and readings of Colorado's growth comprise part two.

Patriotic music marks the end of the programs this issue. Monday, June 14, is Flag Day and all the stations will celebrate with the songs of our Republic.

Wandering minstrels whose voices are ever appearing over new microphones are Russ Wildey and Bill Sheehan, below, the popular Ray-O-Vac Twins. At the present time these happy artists of the air are touring the Atlantic coast. Elizabeth Coles, violinist, left, as she appeared in costume at KDKA, Pittsburgh. To the right is Katherine Prescott Bemis, soprano, who often sings during the housewives' matinee at KOA, Denver.

EDUCATIONAL FEATURES

Monday

Atlantic	Eastern	Central	Mountain	Pacific
5:30 p.m.	4:30	3:30	2:30	1:30

WNYC (526m-570kc), German lessons, V. H. Berlitz.

7	6	5	4	3

WEAF (491.5m-610kc), Columbia university lecture.

8	7	6	5	4

WDAF (365.6m-820kc), School of the Air.

8:30	7:30	6:30	5:30	4:30

WSUI (483.6m-620kc), College of the Air.

9:35	8:35	7:35	6:35	5:35

WKAR (285.5m-1050kc), Engineering.

10	9	8	7	6

CKY (384.4m-780kc), U. of Manitoba.
WHA (535.4m-560kc), U. of Wisconsin.

10:30	9:30	8:30	7:30	6:30

WHAZ (379.5m-790kc), Educational talk.

Tuesday

Atlantic	Eastern	Central	Mountain	Pacific
8 p. m.	7	6	5	4

WDAF (365.6m-820kc), School of the Air.
WKAR (285.5m-1050kc), Nature study.

8:30	7:30	6:30	5:30	4:30

KSAC (340.7m-880kc), College of the Air.

9:15	8:15	7:15	6:15	5:15

KDKA (309.1m-970kc), U. of Pittsburgh.

10	9	8	7	6

KUOA (299.8m-1000kc), U. of Ark.
WMAQ (447.5m-670kc), Lecture, University of Chicago.

11:30	10:30	9:30	8:30	7:30

KFMX (336.9m-890kc), History lecture.

12 m.	11	10	9	8

KTAB (239.9m-1250kc), Mills college.

Wednesday

Atlantic	Eastern	Central	Mountain	Pacific
6:30 p. m.	5:30	4:30	3:30	2:30

WNYC (526m-570kc), Spanish lesson, V. H. Berlitz.

8	7	6	5	4

WDAF (365.6m-820kc), School of the Air.

8:30	7:30	6:30	5:30	4:30

KSAC (340.7m-880kc), College of the Air.

Atlantic	Eastern	Central	Mountain	Pacific
8:45 p. m.	7:45	6:45	5:45	4:45

WKAR (285.5m-1050kc), Landscape architecture.

9	8	7	6	5

WHB (365.6m-820kc), Automotive talk.
WMAQ (447.5m-670kc), Lecture, Northwestern university.

9:15	8:15	7:15	6:15	5:15

KDKA (309.1m-970kc), U. of Pittsburgh.

9:30	8:30	7:30	6:30	5:30

WSUI (483.6m-620kc), College of the Air.

Thursday

Atlantic	Eastern	Central	Mountain	Pacific
8 p. m.	7	6	5	4

WDAF (365.6m-820kc), School of the Air.
WKAR (285.5m-1050kc), Nature study series.
WSUI (483.6m-620kc), Correspondence course.

9:45	8:45	7:45	6:45	5:45

WOI (270.1m-1110kc), Educational opportunities.
WMAQ (447.5m-670kc), U. of C. lecture.
KUOA (299.8m-1000kc), U. of Arkansas.

Friday

Atlantic	Eastern	Central	Mountain	Pacific
6:30 p. m.	5:30	4:30	3:30	2:30

WNYC (526m-570kc), French lesson.

7:45	6:45	5:45	4:45	3:45

WTIC (475.9m-630kc), Cartoon lessons, Bud Kingston.

8	7	6	5	4

WDAF (365.6m-820kc), School of the Air.
WOAW (526m-570kc), "Musical Appreciation," Hester Bronson Copper.

8:30	7:30	6:30	5:30	4:30

KSAC (340.7m-880kc), College of the Air.

9	8	7	6	5

WKAR (285.5m-1050kc), State Department program.

9:15	8:15	7:15	6:15	5:15

KDKA (309.1m-970kc), U. of Pittsburgh.

10	9	8	7	6

WMAQ (447.5m-670kc), U. of Chicago.

11:15	10:15	9:15	8:15	7:15

KWSC (348.6m-860kc), State College of Washington.

11:45	10:45	9:45	8:45	7:45

KOAC (280.2m-1070kc), Oregon Agricultural college.

Tuesday, June 1

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
6:45 p. m.	5:45	4:45	3:45	2:45

WEAF (491.6m-610kc), Commencement, Columbia university.

8	7	6	5	4

KFRU (374.8m-800kc), Cubbs string band.

8:30	7:30	6:30	5:30	4:30

WGBS (315.6m-950kc), Greek program.
WDAF (365.6m-820kc), Nell Sneed, Women's Editor of Star.

9:20	8:20	7:20	6:20	5:20

WLS (344.6m-870kc), Westminster quartet.

9:30	8:30	7:30	6:30	5:30

KPRC (296.9m-1010kc), Billie Mack's orchestra.
WBAP (475.9m-630kc), Radio wedding.
WHAS (399.8m-750kc), Carl Zoeller's Melodists.
WHO (526m-570kc), Raleigh quintet.

10	9	8	7	6

KUOA (299.8m-1000kc), Student orchestra.
WCCO (416.4m-720kc), Home Brand Minstrels.

10:30	9:30	8:30	7:30	6:30

WPG (299.8m-1000kc), "The Lover's Reverie."

11	10	9	8	7

WTAM (389.4m-770kc), Collegian serenaders.

11:10	10:10	9:10	8:10	7:10

KTHS (374.8m-800kc), Opera gems.

1 a. m.	12 m.	11	10	9

KGO (361.2m-830kc), KGO Little symphony.

Tuesday, silent night for: CFCA, CHIC, CKNC, CNRC, CNRE, CNRM, CNRO, CNRT, CNRW, KFKX, KFUO, KUOA, KFWA, KOA, KOAC, KOB, KOWW, KUOM, KSAC, KTAB, KWSC, WABQ, WAHG, WAIU, WAMD, WBBR, WCAL, WCAP, WEMC, WGCP, WHA, WHAZ, WJAZ, WKAF, WLWL, WMAZ, WOI, WOR, WOS, WSMB, WSUI, WTAM, WTIC.

Atlantic or Eastern Daylight Saving Time Stations

WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30 p. m., N. Snellenburg and company, S. Carolyn Thomas, soprano; 8:30, Hood Rose; 8:45, Kathryn Fichthorne, contralto; 9, The Merry Minstrels; 9:30, Rev Tracy, tenor; 9:45, Chalfont Sisters, songs; 10:10, Jackson and Ellis, Radio sweethearts; 10:30, Myers' Musical Architects.
WEAF, New York, N. Y. (491.5m-610kc), 6 p. m., dinner music; 6:45, commencement exercise, Columbia university; 8, Grand Prize Eurekas, WEEI, WFI, KSD, WCAE, WWJ, WCSH, WSAI, WTAG, WGR, WCCO, WOC, WTAM, WJAR; 8:30, Gold Dust Twins, WEEI, WFI, WCAE, WGR, WWJ, WOC, WCSH, WJAR, WCCO, WLIB, WTAM, KSD; 9, Eveready hour, WEEI, WFI, WCAP, WGR, WWJ, WOC, WCSH, WJAR, WCCO, WLIB, WTAM, KSD; 9, Eveready hour, WEEI, WFI, WCAE, WGR, WWJ, WOC, KSD, WJAR, WCCO, WTAG, WGN, WTAM, WSAI; 10, Rederne Hollinshead, tenor; 10:30, Ben Bernie and his orchestra; 11-12, Buffalo Bill's dance orchestra.
WEBJ, New York, N. Y. (272.6m-1100kc), 7 p. m., Dan Barnett's orchestra; 7:30-7:45, Luna Park program; 8:15, duets, Blanche and Hugh Rossen; 8:45, Luna Park program.
WEEI, Boston, Mass. (348.6m-860kc), 7:30 p. m., Minute Men; 8-11, WEAF.
WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra; 7:15, talk, Jewish Federation; 8-10:30, WEAF; 10:30, Bellevue Stratford dance orchestra.
WGBS, New York, N. Y. (315.6m-950kc), 8:30 p. m., Greek program, Near East Relief; 11, Arrowhead Inn dance orchestra.
WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., Vincent Lopez Hotel Statler dance orchestra; 8, WEAF.
WHAR, Atlantic City, N. J. (275.1m-1090kc), 8 p. m., Seaside hotel trio.
WHN, New York, N. Y. (361.2m-830kc), 6:30 p. m., Everglades orchestra; 7:30, Will Oakland's chateau; 8, Treasureland Neighbors; 9:30, Loew's 83rd Street orchestra; 10, Universal trio; 10:30, Strand Roof orchestra; 11, Rain club orchestra; 11:30, Club Alabam orchestra; 12, Silver Slipper orchestra.
WIP, Philadelphia, Pa. (508.2m-590kc), 6:15 p. m., Benjamin Franklin hotel concert orchestra; Edward Mika, violinist; 8, Sesquicentennial program, Iris Virginia Gruber, soprano; Irene Merrick Rorke, pianist; Trio! trio; 10:05, movie talk, Eli M. Orowitz; 10:30, El Patio dance orchestra.
WJAR, Providence, R. I. (305.9m-980kc), 7:30 p. m., musicale; 8-10, WEAF.
WJZ, New York, N. Y. (454.3m-660kc), 7 p. m., Frank Dole; 7:45, Hotel Commodore Concert orchestra; 8:30, Delilah Pearl Hour, WGY, WRC; 9, Brever hour, WRC; 10, "The Grand Tour," WGY, WRC; 10:10, George Olsen's Hotel Pennsylvania Roof orchestra.
WLWL, New York, N. Y. (288.3m-1040kc), 9 p. m., program; 9:15, "Speedwriting"; 10:30, talk, the Commonweal.
WMAK, Buffalo, N. Y. (265.3m-1130kc), 10:30-11:30 p. m., Beaver Products Company, WHAM, WFBL, WGY.
WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Olcott Vail and his Hotel McAlpin string ensemble; 7, Hofbrau Haus entertainers; 8:30, California Ramblers; 9:30, Columbia Park entertainers; 9:45, Columbia Park entertainers; 10:15, McAlpin news editor; 11, Ernie Golden and his Hotel McAlpin orchestra; 12 midnight, McAlpin entertainers.
WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Adelphia dinner dance orchestra.
WOR, Newark, N. J. (405.2m-740kc), 6:10 p. m., Hotel Bretton Hall string quartet.
WPG, Atlantic City, N. J. (299.8m-1000kc), 6:45 p. m., Arthur Scott Brook, organist; 7, Hotel Morton dinner music; 7:30, Hotel Ambassador dinner music; 8:30, Auction Bridge game; 9, Hotel Traymore concert orchestra; 10, Million Dollar Pier dance orchestra; 10:30, Hotel Traymore Grill dance orchestra; 11, Silver Slipper Supper club, Eddie Melnicht's dance orchestra.
WTAG, Worcester, Mass. (267.7m-1120kc), 8-8:30 p. m., WEAF; 10-11:30, WEAF.

Eastern Standard or Central Daylight Saving Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 5:30 p. m., Little symphony orchestra; 7:30, Commencement exercises, Westinghouse Technical Night school; 8:30, sacred music, First Presbyterian Church of Pittsburgh quartet, Little symphony orchestra; 10:15, concert, Grand theater.
WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., WBAL dinner orchestra; 8-9, Hill Hopkins Burke, soprano; Celia Brace, violinist; George Bolek, pianist; 9-10, WBAL trio; 10-10:30, WBAL male quartet; 10:30-11, Frederick D. Weaver, organist.
WBBM, Chicago, Ill. (225.4m-1330kc), 8-12 mid., Metropolitan orchestra, Moss Covered melodies, Baker Four.
WBZ, Springfield, Mass. (333.1m-900kc), 6 p. m., Bob Patterson's Hotel Kimball trio; 6:30, Louise Bacon, pianist; Kathleen Kent, violinist; Frances Cormier, cellist; 8, movie club; 9, Angelus quartet.
WCBD, Zion, Ill. (344.6m-870kc), 8 p. m., 24 piece orchestra; Trombone quartet; Mr. J. D. Thomas, soprano; M. P. Batton, tenor; Alice Clark, contralto; Tim Studebaker, clarinetist; Mr. Blanche Kesler, reader.
WEBH, Chicago, Ill. (370.2m-810kc), 7-8 p. m., Edgewater Beach hotel Oriole orchestra, Kathryn Forbes; Evelyn Lasbach; 9-10-10, Uptown theater; 11-12:30, Cook Sisters, orchestra, Harmony singers.
WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert; 8-10, Skylark dance band; Gladys Sander, Merville Pivette, soprano; Hubert Hausnder, baritone; 12-1 a. m., Gerald Marks orchestra.
WGN, Chicago, Ill. (302.8m-990kc), 6:45-7:15 p. m., Blackstone string quintet; Drake concert ensemble; 8-9, WEAF; 9-10, "Down the Mississippi," 10-11, musical program ensemble.
WHT, Chicago, Ill. (399.8m-750kc), 7 p. m., organ recital, Al Carney; 7:30, Lotts Diamond quartet; 8:15, 10:15 (238m-1260kc) Cinderella cafe orchestra; 10 (399.8m-750kc) Pat Barnes and Al Carney; 12-1, S. L. Half hour of dance music.
WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., dinner concert, Chester Newton, baritone; Charlotte Edwards, contralto; Laurie Walbeck; Margaret Cole, soprano; string trio; 12, Fed Florito, Dan Russo, Matts Tully, Wayne Myers, Jack Goodwin, Ray Hibbler, Joe Cedke, Harry Brooker.
WJAZ, Chicago, Ill. (329.5m-910kc), 9-12 mid., Club Chez Pierre; the Quin that Pass in the Night; William Hayden, tenor; Frances Rosemary Schelb, soprano; Henrietta Nolan, violinist.
WJJD, Mooseheart, Ill. (370.2m-810kc), 5:30-7 p. m., dinner concert; Jack Nelson; Howard Peterson, organist; Palmer House symphony players, Victorians; 8-9, child artists; 10-11, Victorians; Russian music, Rushmore ensemble singers; 12:30 a. m., Settin' Up hour.
WJR, Pontiac, Mich. (526.9m-580kc), 7 p. m., Glover Watson, old-time dance orchestra; 8, Tom Bartel's Boys; 9, Jean Goldkette's orchestra.
WLIB, Chicago, Ill. (302.8m-990kc), 7-7:05 p. m., Million sing; 7:05-7:15, Old fashioned almanack; 7:15-7:30, dinner music; 7-8, WEAF; 11-11:20, Carrell and Gosden; 11:20-1 a. m., Liberty studio ensemble; Ambrose Larson, organist; Tommy Thatcher's dance orchestra; Purple Grackle orchestra.
WLS, Chicago, Ill. (344.6m-870kc), 6:30 p. m., Elsie May Look, organist; 6:45, College Inn orchestra; 7:15, "The Count and the Wedding Guest," Prof. Davis Edwards; 7:30, Ralph Emerson, organist; 7:50, Voice of the Listener; 7:55, Amber Andrews; 8, popular music; 8:20, Westminster quartet.
WLW, Cincinnati, Ohio (422.3m-710kc), 7:30 p. m., piano memories; 8:30, half hour with harp and flute, Grace Lanter, Wilma Deering; 9, Formica orchestra.
WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Hotel LaSalle orchestra; 8:30, Yolanda C. Schaumberger, soprano; 9:20, Edith M. Carver.
WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon ensemble; Genevieve Barry Burnham; 9-11, Trianon orchestra; Joe Warner, Oxford Girls.
WOK, Chicago, Ill. (217.3m-1380kc), 4:30-6 p. m., Capitol theater organ; tenor; string ensemble; 6-7, Tip Top Inn; 10-1:10 a. m., Teatney's Town club orchestra; Pershing Palace orchestra; Midway Garden orchestra; Capitol theater program, studio program.
WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9-10 p. m., Ye Olde Tyme Songe Feste, Roy Clark, Sally Simpkins, Claude Lee, Myrtan Culver, Beth Garrison, Regent Little symphony orchestra; 10-11, Van Wyck instrumental quartet, Ruth Rolland, Paul and Loren Van Wyck, Tudor Lantos.
WORD, Batavia, Ill. (275.1m-1090kc), 7 p. m., Bruce Bell; 7:45, Bible questions; 9, musicale; 11, Public Service company of Northern Illinois; 11:45, Bible lecture.
WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Garden orchestra; 10-2 a. m., Rainbo Garden orchestra, Jerry Sullivan, Hal Lansing; Bert Davis; Everett George Opie, Harold Olsen, baritone; Ila Shannabrook, soprano; Romo Vincent, boy baritone; Will Rossiter, Johnny Pett, baritone; Tell Taylor, tenor; Ward Purkeyser, tenor.
WRC, Washington, D. C. (468.5m-640kc), 8 p. m., Brever hour, WJZ; 9, WJZ; 9:30, studio concert; 10:30, Meyer Davis' Swanee syncopators.
WSAI, Cincinnati, Ohio (325.9m-920kc), 7 p. m., WEAF; 7:30, concert; 8, WEAF; 9, musicale.
WSWS, Chicago, Ill. (275.8m-1090kc), 6 p. m., Zola Haynes, pianist; Vesta Balch, ballads; 8, Jean St. Anne, baritone; Terrace Gardens orchestra; Alice Oliver, violinist; 10, Cook Sisters; Terrace Gardens; John Clark, Art Billpult; Ruby Rosday.
WTAM, Cleveland, Ohio (389.4m-770kc), 6 p. m., State theater vaudeville; 7:10, WEAF; 10, studio program; 11, Collegian serenaders.
WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 8, WEAF.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., Little symphony; 8:30-10:30, University of Nebraska.
KFH, Wichita, Kans. (267.7m-1120kc), 7 p. m., classical program.
KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., concert, Sister Iowa.
KLDS, Independence, Mo. (440.9m-680kc), 6:30 p. m., evening devotional service.
KMA, Shenandoah, Iowa (252m-1190kc), 9-11 p. m., May's Marcellin Musicians.
KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., dinner recital, Mrs. Jacque Landree, organist; 8, Lopez trio orchestra, light opera selections; Herbert M. Pender, recital; 9, Joe Carlone, Rolf Gardner, soloist; organ, violin solos; 10, orchestra selections; 11, Rendezvous club, popular dance hour; Al and Bob.
KOIL, Council Bluffs, Iowa (277.6m-1080kc), 6:05 p. m., Orlando Ulrich, Ray Pickert; 6:30, Randall's Royal orchestra; 7:30, Ray Ross, baritone; Ivan Collen, trumpet; Eri Trotter, tenor; S. Marion Fisher, soprano; Louise Cyster, violinist; 11, Tiny Totsy hour.
KPRC, Houston, Texas (296.9m-1010kc), 7:30 p. m., Billie Mack's orchestra; 8:30, Mrs. J. M. Jackson, soprano; Laura Pyle, pianist; 9, Edna Adams; Mrs. P. F. Sawyer, pianist.
KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., WEAF.
KSO, Clarinda, Iowa (241.8m-1240kc), 8 p. m., Duncan Sisters; Page County Literary society.
KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10-10 p. m., opera gems, New Arlington hotel orchestra; Clyde Foley, tenor; 10-10:30, Whittington Park orchestra.
KUOA, Fayetteville, Ark. (299.8m-1000kc), 8 p. m., student orchestra.
KVOO, Bristow, Okla. (374.8m-800kc), 6-9 p. m., Jimmie Wilson and his Catfish string band.
KYW, Chicago, Ill. (535.4m-560kc), 6 p. m., Chicago Evening American studio; 7, program, Congress hotel; 9-9:30, classical concert; 9:30-10:30, Congress carnival.
WBAP, Fort Worth, Tex. (475.9m-630kc), 7:30-8:30 p. m., special Radio wedding; 9:30-11, Eutorpean club.
WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6 p. m., WEAF; 8, Home Brand minstrels.
WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., Billy Adair's orchestra; 11:15-1 a. m., Nighthawk frolic.
WFAA, Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m., Shaw-Smith college club orchestra; 8:30-9:30, Henri LaBonte and the College of Music and Arts; 11-12 midnight, Jimmie Joy's orchestra.
WGBF, Evansville, Ind. (236.1m-1270kc), 8 p. m., Evansville Typographical union.
WHAS, Louisville, Ky. (399.m-750kc), 7:30-9 p. m., Carl Zoeller's Melodists.
WHB, Kansas City, Mo. (365.6m-820kc), 7-7:45 p. m., organ concert, Linwood theater; 8-9:30, Otts band.
WHO, Des Moines, Iowa (526m-570kc), 7:30-8 p. m., Raleigh quintet; 8-9, Mack Ohman, song writer; Edna Doud Scott, pianist; 11-12 midnight, Bankers Life Corn Sugar orchestra.
WOAI, San Antonio, Tex. (394.5m-760kc), 8:30 p. m., Gerhardt Mexican players.
WOAW, Omaha, Nebr. (526m-570kc), 6 p. m., Hugo G. Heyn, xylophonist; 6:50, orchestra; 9, program, Hannan Vant Brunt company; 10:10, Radio review.
WOC, Davenport, Iowa (483.6m-620kc), 5:45-5:55 p. m., chimes concert; 6-8, WEAF; 8-9, musical program, Davenport Woman's club.
WRR, Dallas, Texas (245.8m-1220kc), 6-7 p. m., Jack Gardner's orchestra; 8-9, Montgomery the photographer.
WSB, Atlanta, Ga. (428.3m-700kc), 10:45 p. m., concert.
WSM, Nashville, Tenn. (282.8m-1060kc), 8 p. m., frolic, Happy Jack's orchestra.
WSOE, Milwaukee, Wis. (245.8m-1220kc), 7 p. m., Elks club studio; 8:45, movie revue; 9, classical music program.

Mountain Standard Time Stations

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Virginia Ballroom orchestra; 8-9, Screen Artists' quartet; 9-10, Composers' hour; 10-11, Packard Radio club.
KFOA, Seattle, Wash. (454.3m-660kc), 7-8 p. m., program; 8:15-8:45, studio program; 8:45-10, studio program; 10-11, Jackie Souders and his Club Lido Serenaders.
KFWB, Hollywood, Calif. (252m-1190kc), 6:30-7:30 p. m., Pontiac Six dinner hour; 8-9, program, Richard Hellman Inc.; 9-10, program, American Brake Testing Machine company; 10-11, Warner Brothers frolic.
KGO, Oakland, Calif. (361.2m-830kc), 8 p. m., Everready program, Hether Wismer, violinist; Ruth Waterman, contralto; Harrison Coles, tenor; 9-10, Don Lee Cadillac program; KGO Little symphony orchestra; Albert Gillette, baritone; 10, Madson's Midshipmen.
KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 10-12, dance music, Herman Kenin's orchestra; Curt Kramer, pianist.
KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., Uncle John and the children; 8-9, Southern California Baptist Young People's program; 9-10, varied program.

DANCING
Central Time

Saturday
8, Wpg. 8:30, Wpg, Wtic; 9, Webh, Wjaz, Wmbb, Wtic, Wrco; 9:10, Kths, Wip; 9:30, Kths, Wgbs, Wor, Wrc; 10, Kfwa, Kgo, Kpo, Weaf, Wgn, Wjaz, Wjr, Wkrc, Wmca, Wpg, Wor, Wqj, Wreo, Wtam; 10:05, Wcco; 10:30, Kgo, Wmud; 10:45, Wis; 11, Kfwa, Kfwb, Kpo, Webh, Wfaa, Wgbu, Who, Wpg, Woc; 11:45, Wdaf; 12, Kfwa, Kgo.

Monday
8, Wgn, Wpg; 8:30, Wpg, Wgbu, Wjar, Wor, Wpg; 9:15, Wahg; 10, Kths, Webh, Wgcp, Wgr, Wnyc, Wpg; 10:15, Wor; 10:30, Kfwb, Wgcp, Whn; 11, Kgo, Koil, Wgbu, Wgcp, Whn, Who; Wjaz; 11:45, Wdaf; 12, Knx, Kpo.

Tuesday
8, Wpg; 9, Wpg; 9:30, Kths; 10, Kfoa, Wbbm, Weaf, Webh, Wgbu, Wgn, Whn, Wgbs, Wnyc; 10:30, Whn; 10:45, Wsb; 11, Kgw, Koil, Wgbu, Whn, Wjaz; 11:30, Kfoa; 11:45, Wdaf; 12, Kgw, Khj, Knx, Kpo, Wdaf, Wjaz.

Wednesday
9, Weaf, Webh, Wgbu, Wgcp, Who, Wjaz, Wmbb, Wip, Wtic; 9:15, Wahg; 9:30, Wbap, Who, Wor; 10, Kths, Wbap, Weaf, Wgbu, Wgcp, Wjaz; 10:05, Wcco; 10:30, Whn; 11, Koil, Kpo, Webh, Wgbu, Wgcp, Whn, Wjaz; 11:45, Wdaf; 12, Kfwa, Knx, Kpo, Wjd.

Thursday
8, Wip; 9, Wpg; Webh, Wgbu, Wip, Whn, Wjaz, Wgbs, Wgcp, Wtic; 9:05, Wbz; 9:30, Kths, Webh, Wgcp, Wjaz; 10, Kths, Weaf, Wgbu, Whn, Wip; 10:30, Kths, Webh, Wgbu; 11, Wdaf; 12, Kgo, Knx, Kpo, Wjd.

Friday
8, Wip, Wcx, Webh, Weaf, Wgbu, Wgcp, Wmbb, Wahg; 9:30, Wean, Wip, Kths; Wjz; Whn.

KNX, Hollywood, Calif. (336.9m-890kc), 7-7:15 p. m., program, Geo. E. Read, Inc.; talk; 8-9, program, Builders Finance association; 9-10, program, Western Auto Supply company; 10-12 midnight, Ambassador hotel dance orchestra.
KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7 p. m., States Restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel orchestra; 8-9, James Lono's Hawaiian orchestra; 9-10, Mona Motor Oil trio; Gypsy and Marta; 10-11, Palace Hotel Rose room dance orchestra.
KPSN, Pasadena, Calif. (315.9m-950kc), 6-6:15 p. m., dinner time news; 8-9, Adolf Tandler Instrumental group.
KTAB, Oakland, Calif. (239.9m-1250kc), 8-9 p. m., educational program, Mills college.

Wednesday, June 2

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
6 p. m.	5	4	3	2

WRC (468.5m-640kc), U. S. Marine band.

8	7	6	5	4

WMCA (340.7m-880kc), X-IT Hawaiians.
WTIC (475.9m-630kc), Ukulele lesson.

8:30	7:30	6:30	5:30	4:30

WMAK (265.3m-1130kc), Convention of American Guild of Organists.

9	8	7	6	5

WCOA (222m-1350kc), Pep Purveyors.
WEBJ (272.6m-1100kc), Busoni's Neapolitans.
WLIT (394.5m-760kc), Talk, Col. Roosevelt.

10	9	8	7	6

WJAR (305.9m-980kc), Tabloid musicale.

11:15	10:15	9:15	8:15	7:15

KOA (322.4m-930kc), College of Music, U. of Colo.

12 m.	11	10	9	8

WHT (399.8m-750kc), Al and Pat Specialties.
WLW (422.3m-710kc), Pink of programs.

Wednesday, silent night for: CHIC, CKAC, KCNC, CNRA, CNRC, CNRE, CNRM, CNRR, CNRT, CNRV, KFAU, KFXF, KFMQ, KGO, KLDS, KMMJ, KOB, KOIL, KPSN, KSAC, KTAB, KUOA, WABQ, WAIU, WBAL, WBAP, WBBR, WCAL, WCBD, WEBW, WFAA, WGBF, WGBS, WGCP, WHAR, WHAZ, WIP, WJAD, WJAZ, WLWL, WMC, WOAI, WOAW, WOI, WPG, WRC, WRR, WSUI.

Atlantic or Eastern Daylight Saving Time Stations

CFCA, Toronto, Can. (356.9m-840kc), 8:30 p. m., Hambourg Conservatory of Music; 11, Gilbert Watson and his orchestra.
WAHG, Richmond Hill, N. Y. (315.6m-950kc), 7:30 p. m., Marjie Make Believe; 7:45, Jimmy Smith, banjo king; 8, Gertrude Bardusch, contralto; 8:15, Michael Lamberti, cellist; 8:30, Gertrude Bardusch, contralto; 8:45, Michael Lamberti, cellist; 9, Orpheus mixed quartet; 9:30, Milton Schwartz, violinist; Milton Katz, pianist; 10, Reinhold Rieschick, bandonion soloist; 10:20, dance orchestra.
WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:45 p. m., recital, N. Snellenburg and company; 8:10, Hotel Pennsylvania orchestra; 8:40, Miller piano period; 9, Cl. Mac Greetor; 9:30, Helen Trax Hoel, soprano; 9:45, Seater Hassenfeffer; 10, Barbara and McCullough instrumental trio; 10:15, Maurice Patton, tenor; 10:30, Zoubrin and Herschel, songs; 10:45, Frank Cook, old-time songs; 11, Artie Bittong's Cheer-Up club.
WEAF, New York, N. Y. (491.5m-610kc), 6 p. m., dinner music; 7, synagogue services; 7:30, musicale; 8, Shinola Merrymakers, Gentlemen of the 2 in 1, WTAG, WCAE, WWJ, WJAR, KSD, WGR, WEEI, WOO, WCSH, WOC, WCCO, WCAP, WSAI; 8:30, Davis Saxophone octet, WOO, WCAE, WSAI, WEEI, WJAR, WGR, WCSH; 9, Ipana Troubadours, WEEI, WCAP, WOO, WWJ, WLIB, WCCO, WOC, WGR, WSAI, KSD; 10, "Buccaccio," light opera company, WCAP, WJAR, WDAF, WEEI, WTAG, WCAE, WWJ, WCSH, KSD, WTIC; 11-12, Pelham Heath Inn orchestra.
WEBJ, New York, N. Y. (272.6m-1100kc), 8 p. m., Ed Berlin and his Moonglow orchestra; 8:15, Edna Josephs, pianist; 9, Busoni's Neapolitans; 9:30, McLeans' dance orchestra.
WEEI, Boston, Mass. (348.6m-860kc), 7:30 p. m., musicale; 8-10, WEAF; 10, musicale.
WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra.
WGBS, New York, N. Y. (315.6m-950kc), 6:30 p. m., Fess Williams Savoy ballroom orchestra; 7, "Future of the Medical Profession."
WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., Gospel Melodists; 8, WEAF; 10, "The Hour of Kings," Kellogg Products, Inc.
WHN, New York, N. Y. (361.2m-830kc), 7:30 p. m., Loew's Lexington organ recital; 8, entertainers; 9, Loew's New York orchestra; 9:30, Palisades Amusement Park orchestra; 10, Roseland dance orchestra; 11:30, Silver Slipper orchestra; 12, Cotton Club orchestra.
WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 7, Uncle Wip's bedtime stories; Florence Medoff, songs.
WJAR, Providence, R. I. (305.9m-980kc), 7:30 p. m., chamber musicale; 7-9, WEAF; 9, musicale; 10, tabloid musicale.
WJZ, New York, N. Y. (454.3m-660kc), 7 p. m., Hotel Commodore concert orchestra; 8, Imperial Imps; 8:30, concert; 9:50, Associated Press; 10:30, Hotel Vanderbilt Della Robbia room orchestra.
WLIT, Philadelphia, Pa. (394.5m-760kc), 9 p. m., Shriners' convention, talk by Colonel Roosevelt; 10, Arcadia cafe dance orchestra.
WLWL, New York, N. Y. (288.3m-1040kc), 9 p. m., program; 9:45, concert.
WMAK, Buffalo, N. Y. (265.3m-1130kc), 7:15 p. m., dinner music, Hotel Lafayette; 7:30-8:30, dinner music, Hotel Onondaga; 8:30-10, Lynnwood Farnam, organist; 10-11, musicale, Rochester, WOY.
WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Olcott Vail and his Hotel McAlpin string ensemble; 6:30, Ernie Golden and his Hotel McAlpin orchestra; 8, X-It Hawaiians; 8:30, Meister's Homesteaders; 9, Mamaroneck night; 9:30, Woodmansten Inn orchestra; 12 midnight, McAlpin entertainers.
WOO, Philadelphia, Pa. (508.2m-590kc), 7:40 p. m., Sylvania dinner dance orchestra; 8, WEAF; 10, Fox theater studio program; 10:30, Ritz Carlton dance orchestra.
WOR, Newark, N. J. (405.2m-740kc), 6:30 p. m., Jacques Jacobs' Hotel Shelton ensemble; 9:30, French line program; 11, Larry Siry's Hotel Ambassador orchestra.
WTAG, Worcester, Mass. (267.7m-1120kc), 6-7 p. m., WTAG orchestra; 8-8:30, WEAF; 8-10, musicale; 10-11, WEAF.

Eastern Standard or Central Daylight Saving Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 5:30 p. m., dinner concert; Everglades club orchestra; 8:30, P. M. I. concert.
WBBM, Chicago, Ill. (225.4m-1330kc), 8-10 p. m., popular period; 12, Nutty club.
WBZ, Springfield, Mass. (333.1m-900kc), 6 p. m., Jolly half hour, Musical Mirth Makers, Bert Dolan's orchestra; 6:45, M. A. C. Radio forum; 7, Little Screen Players; 7:30, Nature league; 8, WBZ concert group; 9, Mr. Gehrman, bass-baritone, Sadie Yellen, soprano; 9:30, announced.
WEBH, Chicago, Ill. (370.2m-810kc), 7-8 p. m., Osborn's orchestra, Florence Behrend; Frank Greif, Frank Bordner; 9-10, Osborn's orchestra; Frank Bordner; Lawrence Salerno; 11-12:30, Oriole orchestra; Kay Ronayne, Florence Behrend.
WGHB, Clearwater, Fla. (265.3m-1130kc), 8:30-10 p. m., Rex Dantzler, tenor; Helen Ferryman, Warford, pianist.
WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert; 8-10, Little symphony orchestra; Mme. Gizi Szanto, pianist; quartet; 12-1 a. m., Gerald Marks' orchestra.
WGN, Chicago, Ill. (302.8m-990kc), 6:45-7:15 p. m., Blackstone string quintet; 9-10, grand opera selections; 10-10:10, Sam 'n' Henry; 10:10-10:20, studio music; 10:20-12:30, Pepper Party.
WHT, Chicago, Ill. (399.8m-750kc), 7-10 p. m., Edwin Kemp, tenor; 7:15, Borden organ recital; Triangle entertainers; specialties; 10:15 (238m-1260kc), Cinderella cafe orchestra; 11, (399.8m-750kc), Art Becker, pianist, Al and Pat; 12 midnight, your hour league.
WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., Dorothy Rae, soprano; Charles Champlin, baritone; Evelyn Elliott, contralto; Frank Grief, tenor; trio; 10-12, Marie Tully, Wayne Myers, William Molnaire, Cramer and O'Grady; Elsie Orr; Lenore Friedman, Pearl Holtzman.
WJAZ, Chicago, Ill. (329.5m-910kc), 9-12 midnight, Club Chez Pierre, Earl Hoffman's Chez Pierre orchestra; June Radley, pianist; John Bennet, bass-baritone; Chez Pierre Hawaiian quartet.
WJJD, Mooseheart, Ill. (370.2m-810kc), 5:30-7 p. m., dinner concert; Jack Nelson; Howard Peterson, organist; symphony players, Victorians, 8-9, child artists, solos, bands; 10-11, Victorians, Isabel Defaut, Simeon Oliver, pianist; R. Thomas; 12:30 a. m., Settin' Up hour.
WJR, Pontiac, Mich. (526.9m-580kc), 7 p. m., Jean Goldkette's Petite symphony orchestra; 7:15, Goodwill Oakland; 9, Jean Goldkette's orchestra; 11, Murphy Brothers organ; 12 midnight, Merry Old Chief, Jewett Radio Jesters.
WKAR, East Lansing, Mich. (285.5m-1050kc), 8-9 p. m., musical program.
WLIB, Chicago, Ill. (302.8m-990kc), 7-7:05 p. m., million sing; 7:15-7:30, dinner concert; 7:30-7:50, Pattison Coates, baritone; Edward Barry, pianist; 7:50-8, Auld Sandy; 8-9, WEAF; 12:30-1, Ambrose Larson, organist.
WLS, Chicago, Ill. (344.6m-870kc), 6:30 p. m., model program.
WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., Hotel Gibson; 10, Thorobred entertainment; 11, Pink of programs.
WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Hotel LaSalle orchestra; 8:25, Whitney trio; 8:55, WMAQ players, chimes.
WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon duo, 9-11, Trianon orchestra; artists.
WOK, Chicago, Ill. (217.3m-1380kc), 4:30-7 p. m., Capitol theater organ; studio program; Tip-Top Inn string ensemble; 10-1:30 a. m., Teatney's Town club orchestra; Pershing Palace orchestra; Midway Garden orchestra; Capitol theater program.
WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9-10 p. m., 10-fingered Paul, Moke Martin, Helen Neuman, Jim Forshey, Ruth Glazer, Pearl Knudson, Sid Goldman; 10-11, Atwater Kent hour.
WORD, Batavia, Ill. (275.1m-1090kc), 7 p. m., North Shore line; 9, Webster hotel trio; I. B. S. A. choral singers; 9:20, Calvin H. Swingle.
WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Gardens orchestra; 10-2 a. m., Rainbo Gardens orchestra, Melodians; Clarence Theders, tenor; Joe Warner, character songs; Oxford Girls; Gall Bandell.
WRC, Washington, D. C. (468.5m-640kc), 5-6:30 p. m., U. S. Marine band.
WRVA, Richmond, Va. (256.3m-1170kc), 8:45 p. m., Stockton glee club; 9:10, glee club; 9:45, organ recital, R. C. Hyde; 11, Carry Me Back to Old Virginny.
WSAI, Cincinnati, Ohio (325.9m-920kc), 6:15 p. m., chimes, Robert Badgley; 7-9, WEAF; 9, musicale; 10, Congress Playing Card string quartet.
WSWS, Chicago, Ill. (275.8m-1090kc), 6 p. m., Dean Terrill, baritone; Rita McFawn, Terrace Gardens orchestra; 8, Terrace Gardens, narrative recital; 10, Smith and Ford; Gus Edwards orchestra.
WTAM, Cleveland, Ohio (389.4m-770kc), 6:15 p. m., Hotel Cleveland orchestra; 8, Public Auditorium program.
WTIC, Hartford, Conn. (475.9m-630kc), 5:30 p. m., Bond trio, 7, Dan Nolan, ukulele lesson; 7:30, Hazel Porter Snow, contralto; Mrs. L. L. Beach, pianist; 7:45, Katherine Horahan, soprano; 8:15, Laura C. Gaudet, pianist; 8:30-9, Father A. Nelson, organist.
WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7, WEAF; 7:30, News orchestra; 8, dance program; 9, WEAF.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., dinner concert; 8:30-10:30, Gloomy Gus entertainers; Orville Andrews, Buick Warbler, Mike Koper, King of the Ivories; Buick Master Six orchestra.
KFH, Wichita, Kans. (267.7m-1120kc), 7 p. m., musicale.
KFKX, Hastings, Nebr. (288.3m-1040kc), 9-11 p. m., musical program, Lincoln.
KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., concert, Henry Field Seed company.
KMA, Shenandoah, Iowa (252m-1190kc), 9-11 p. m., program, Margaret Ziegenbein.
KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., dinner recital, Mrs. Jacque Landree, organist; 7-8:30, Shelton entertainers, orchestra; 8:30-9:30, orchestra, light opera selections; 9:30-11:30, orchestra, soloists; 11:30, Rendezvous club.
KPRC, Houston, Texas (296.9m-1010kc), 7:45 p. m., Jack Willrich's orchestra; Virginia Willrich, piano accordionist; 8:45, Frank Tilton, blind wonder boy pianist.
KSD, St. Louis, Mo. (545.1m-550kc), 6 p. m., WEAF, 6:30, Hotel Statler concert orchestra; 7, WEAF; 8, WEAF.
KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9-10:10 p. m., Lawson Reid, organist; 10-10:30, Ray Mullins orchestra.
KVOO, Bristow, Okla. (374.8m-800kc), 6-9 p. m., Radio trio, Marcho, Cunningham, Marcho.
KYW, Chicago, Ill. (535.4m-560kc), 6 p. m., musicale program; 8-9:30, classical concert; 9:30-11, Congress carnival.
WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6 p. m., WEAF; 8, Midweek church service; 9, Nash-Finch concert orchestra; 10:05, Marigold Garden dance orchestra; 11:30, Eddie Dunstedter, organist.
WCOA, Pensacola, Fla. (222m-1350kc), 7 p. m., Mrs. Benn's Young Ladies chorus, Harry T. Howland, violinist, Mrs. Gray Bell, vocalist; Tony Bruno, saxophonist; Maud Williams, vocalist; Gladys Villar, pianist; Michael DiIustro, tenor; Florida Footwarmer's dance orchestra.
WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., Zez Confrey's orchestra; 8-9, WEAF; 11:45-1 a. m., frolic.
WHAS, Louisville, Ky. (399.8m-750kc), 7:30-8 p. m., Pat Armour's orchestra; 8-8:30, Bittick-Benson orchestra; 8:30-9, R. E. Gleason, ukulele soloist.
WHB, Kansas City, Mo. (365.6m-820kc), 10:30-11:30 p. m., midweek musicale.
WHO, Des Moines, Iowa (526m-570kc), 6-7 p. m., Bankers Life Little symphonic orchestra; 7:15-8:15, Irene Dorum's Little symphony, 8:15-9, Harry Lewis, Normand Broholm; Kate Millers, whistler, Maude Hughes, accompanist; Mack Ohman; 9-12, dance.
WOAI, San Antonio, Tex. (394.5m-760kc), 8:30 p. m., Army night program.
WOC, Davenport, Iowa (483.6m-620kc), 5:45-5:55 p. m., chimes concert; 6-8, WEAF; 9-10-10:30, Erwin Swindell, organist.
WSB, Atlanta, Ga. (428.3m-700kc), 10:45 p. m., Flint Six orchestra.
WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., Beasley Smith's orchestra; 8:15, Daisy Hurtain, pianist; 10, John Trotwood Moore, reader.
WSMB, New Orleans, La. (319m-940kc), 8:30 p. m., Paul Jacobs and his male quartet, Doris Martinez, soprano; Sunny South trio.
WSOE, Milwaukee, Wis. (245.8m-1220kc), 7 p. m., dinner music, Elks club studio; 9, educational program; 9:50, report, Wisconsin Humane society.

Mountain Standard Time Stations

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra; 8, Scheuerman's Colorado orchestra; 8:15, College of Music, U. of Colorado; KOA orchestra, Bernice Friend Ardourel, soprano; Vera Bryce, Margaret Saunders, pianist; KOA orchestra.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-7:30 p. m., Orebo Synchrophase string ensemble; 7:30-8, Nick Harris detective story; 8-9, program, California Petroleum corp.; 9-10, varied program; 10-11, dance music.
KFOA, Seattle, Wash. (454.3m-660kc), 6:45-8:15 p. m., Hopper Kelly company studio program; 8:30-10, program.
KFWB, Hollywood, Calif. (252m-1190kc), 6:30-7:30 p. m., Pontiac Six dinner hour; 8-9, Bill Hatch's orchestra, 9-10, program, Pacific Development company; 10-10:30, Mutual Motors Mirth contest; 10:30-11:30, Warner Brothers frolic.
KGO, Oakland, Calif. (361.2m-830kc), 6 p. m., dinner concert.
KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-9, concert; 9-10, vocal and instrumental music; 10-11, vocal, instrumental.
KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., Uncle John and the Children; 8-10, Times de luxe program.
KNX, Hollywood, Calif. (336.9m-890kc), 7-8 p. m., program Hoyt Water Heater company; 8-9, Security Trust and Savings bank program; 9-10, Motor Transit stages, 10-11, feature program; 11-12 midnight, Cocoanut Grove dance orchestra.
KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7 p. m., States Restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel orchestra; 8-9, Atwater Kent artists; 9-10, Goodrich Silvertown Cord orchestra; 10-11, States Restaurant orchestra.
KWSC, Pullman, Wash. (348.6m-860kc), 8-9:30 p. m., Montezuma club orchestra, Esther Allen, pianist; Ruth Hoag, vocalist; Helene Ingersoll, reader.

COLONEL ROOSEVELT TALKS AT WLIT

Thursday, June 3

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
8:15 p. m.	7:15	6:15	5:15	4:15

WTIC (475.9m-630kc), 102nd Infantry band, C. N. G.

8:30	7:30	6:30	5:30	4:30

WJZ (454.3m-660kc), WRC, WGY, WCAD, U. S. Marine band.

9	8	7	6	5

KFH (267.7m-1120kc) Markle and Hiner.

10	9	8	7	6

KLDS (440.9m-680kc), Independence Mandolin and Guitar club.

WEAF (491.5m-610kc), WCAP, WJAR, WDAF, WEEI, WTAG, WWJ, WCSH, KSD, WTIC, "Boccaccio," light opera.

10:20	9:20	8:20	7:20	6:20

WMAQ (447.5m-670kc), Polish mixed quartet.

11	10	9	8	7

WCCO (416.4m-720kc), Justrite Boys.
WQJ (447.5m-670kc), Clown of the Air.

12 m.	11	10	9	8

KGO (361.2m-830kc), Campfire Songs.

Thursday, silent night for: CHIC, CKNC, CNRA, CNRE, CNRO, CNRR, CNRT, CNRV, CNRW, KFAB, KFAU, KFWX, KFOA, KFUO, KFWA, KLX, KMOX, KOA, KOAC, KOB, KSAC, KWSC, PWX, WABQ, WAFD, WAHG, WAIU, WCAP, WCEE, WDOD, WEAO, WEBJ, WEBW, WEMC, WGBF, WHA, WHAD, WHAZ, WJJD, WMAK, WMAZ, WNAD, WOOD, WOR, WOS, WSM, WSUI, WTAM.

Atlantic or Eastern Daylight Saving Time Stations

CFCA, Toronto, Can. (356.9m-840kc), 11 p. m., Gilbert Watson and his orchestra.

CKNC, Toronto, Can. (356.9m-840kc), 8 p. m., Charles E. Bodley and his orchestra.

WBBR, New York, N. Y. (272.6m-1100kc), 8 p. m., Prof. Charles Rohner, violinist; 8:15, Forrest J. Kleinhans, baritone; 8:50, violinist.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:30 p. m., Cathay Tea Garden orchestra; 7:30, Snellenburg symphony orchestra; 8, Saddler's serenaders; 8:30, Clifton's Anglers; 8:45, The Kandy Kids; 9, Barry O'Moore, Irish tenor; 9:30, Musical Chefs; 9:45, Prof. Doolittle; 10, Sesquicentennial hour; 11, Parodians' dance orchestra; 11:30, Club Madrid revue.

WEAF, New York, N. Y. (491.5m-610kc), 6 p. m., dinner music; 7:30, dance music; 8:15, Hire Harvesters, WEEI, WFI, WCAE, WLIB, WSAI, WWJ, WTAM; 9, Clicquot club Eskimos, WEEI, WJAR, WTAG, WFI, WCAE, WSAI, WTAM, WGR, WWJ, WOC, KSD, WCCO, WGN; 10, Silvertown Cord orchestra, WEEI, WFI, WCAE, WWJ, WGR, WOC, WCCO, WTAG, KSD, WSAI, WJAR, WGN, WADC; 11-12, Vincent Lopez and his orchestra.

WEEI, Boston, Mass. (348.6m-860kc), 7:30 p. m., musicale; 8-11, WEAF.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra; 8, talk, Thomas Masson; 8:15, WEAF.

WGBS, New York, N. Y. (315.6m-950kc), 6:30 p. m., music; 6:45, Arcadia orchestra; 8, Constantino studio ensemble.

WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., Vincent Lopez Hotel Statler dance orchestra; 8, WEAF.

WHAR, Atlantic City, N. J., (275.1m-1090kc), 8 p. m., Seaside hotel trio; 9, studio concert; 11, Follies Bergere dance orchestra.

WHN, New York, N. Y. (361.2m-830kc), 8 p. m., Will Oakland's chateau; 9:30, Loew's 83rd Street orchestra; 10:30, Leroy Smith's orchestra; 11:30, Everglades orchestra; 12, Sophie Tucker's playground.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 7, Philadelphia Mask and Wig Juniors; 8, talk, Dr. Henry Leffman; 8:15, recital, Settlement Music school; 9:15, Apollo Glee club; 10, El Patio dance orchestra.

WJAR, Providence, R. I. (305.9m-980kc), 8 p. m., Robert W. Powers' Hudson-Essex orchestra; 9-11, WEAF.

WJZ, New York, N. Y. (454.3m-660kc), 7 p. m., Hotel Vanderbilt orchestra; 7:30, Judge, Jr.; 7:55, United Press; 8, "Voice of the Silent Drama"; WRC; 8:30, WRC; 9:30, Royal Typewriter orchestra; WGY, WCAD, WRC; 10:30, Hotel Astor orchestra.

WLIT, Philadelphia, Pa. (394.5m-760kc), 7:30 p. m., Dream Daddy's bedtime stories.

WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Olcott Vail and his Hotel McAlpin string ensemble; 7, Hofbrau Haus entertainers; 7:30, Klein's Serenading Shoemakers; 8, Roemer's Homers; 9:30, Columbia Park entertainers; 10:30, California Ramblers; 11, Ernie Golden and his Hotel McAlpin orchestra; 12 midnight, Broadway night.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Adelphia dinner dance orchestra.

WOR, Newark, N. J. (405.2m-740kc), 6:30 p. m., Jacques Jacobs' Hotel Shelton ensemble.

WPG, Atlantic City, N. J. (299.8m-1000kc), 6:45 p. m., Arthur Scott Brook, organist; 7, Hotel Morton dinner music; 7:30, Hotel Ambassador dinner music; 8:30, programs; 9, Hotel Traymore concert orchestra; 10, Million Dollar Pier dance orchestra; 10:30, Hotel Traymore Grill dance orchestra; 11, Silver Slipper Supper club.

WTAG, Worcester, Mass. (267.7m-1120kc), 7:30 p. m., WTAG Song Lady; 8-8:30, program; 9-10, WEAF; 10-11, WEAF.

Eastern Standard or Central Daylight Saving Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 5:30 p. m., Little symphony orchestra; 8:30, American music of yesterday and today, Little symphony; 10:05, Pittsburgh Post program.

WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., WBAL dinner orchestra; 8-10, concert program; 10-11, WBAL ensemble.

WBBM, Chicago, Ill. (225.4m-1330kc), 8-12 midnight, popular music; Moss Covered melody period; Alemite orchestra, artists; Tip trio.

WBZ, Springfield, Mass. (333.1m-900kc), 6 p. m., Hotel Kimball trio; 6:33, Hotel Lenox ensemble; 8, Gray Gables quintet; 8:30, organ recital; 9, Albert Heer, bass-baritone; 9:15, announced; 9:30, Dorothy Morgan, soprano; artists.

WCBD, Zion, Ill. (344.6m-870kc), 9 p. m., Brass quartet; P. B. Newcomer, cornetist; Arthur Rendall, clarinetist; Richard F. Hire, violinist; Mrs. P. M. LaRose, contralto; Mrs. Esther Rendall, soprano.

WEBH, Chicago, Ill. (370.2m-810kc), 7 p. m., special recital; 9, Oriole orchestra; Ruth Buhl Flick, reader; Dorothy Herman Blum; Indiana male quartet; 11-12:30, Oriole orchestra; Pat Ward; Rita McFawn, Mary Bieber.

WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert; 10-11, Frolickers; 11-12, Skylark dance band; Harry Hayes, banjoist; Heck and Mac; 12-1 a. m., Gerald Marks' orchestra.

WGN, Chicago, Ill. (302.8m-990kc), 6:15-7 p. m., Drake concert ensemble; 8-9, WEAF; 9-10, WEAF; 10-10:10, Sam 'n' Henry; 10:10-11, ensemble.

WHT, Chicago, Ill. (399.8m-750kc), 7:10 p. m., Al Carney, organist; 8:45-10:15 (238m-1260kc), Cinderella cafe orchestra; 12 (399.8m-750kc), U. S. L. entertainers.

WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., dinner concert; 12, Ted Fiorito, Dan Russo, Marie Tully Wayne Myers; Louis A. Webb, Rita McFawn, Smith and Ford.

WJAZ, Chicago, Ill. (329.5m-910kc), 9-12 midnight, classical program, Spanish Garden studio.

WJJD, Mooseheart, Ill. (370.2m-810kc), 5:30-7 p. m., dinner concert; Howard Peterson, organist; Palmer House symphony orchestra; Victorians; 8-9, child artists, solos, bands; 10-11, Victorians, quartet; 12:30 a. m., Knights of the Burning Candle.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Jean Goldkette's Petite symphony orchestra; 7:30, Ide and Meginnity; 9, Jean Goldkette's orchestra; 10, Jean Goldkette's Victor Recording orchestra.

WLIB, Chicago, Ill. (302.8m-990kc), 7-7:05 p. m., million sing; 7:05-7:15, Old-fashioned almanack; 7:15-8, Hires Harvesters; 11-11:20, Correll and Gosden; 11:20-1 a. m., Liberty studio ensemble; Ambrose Larsen, organist; Tommy Thatcher's Drake hotel dance orchestra; Purple Grackle orchestra.

WLS, Chicago, Ill. (344.6m-870kc), 6:30 p. m., Elsie May Look, organist; 6:45, College Inn orchestra; 7:30, Ralph Emerson, organist; 7:55, golf lesson; 8, College Inn orchestra; 8:20-8:55, Mu Phi program.

WLW, Cincinnati, Ohio (422.3m-710kc), 6:15 p. m., Norrine Gibbons, Priscilla Holbrook; 7, dinner concert, Hotel Gibson concert; 10:05, Doherty Melody Boys; 11, Irene Downing, Sentimental Tommy Reynolds; 11:30, Henry Theis' orchestra; 12:15 a. m., Night Howls.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Hotel LaSalle orchestra; 8:15, Leon Jones; 9:20, Polish mixed quartet.

WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon ensemble; Hernes Brothers, Hungarian Harmonica Twins; 9-11, Trianon orchestra; ensemble; Wellington Forbes, Bob Bennett, Bob Duffy.

WOK, Chicago, Ill. (217.3m-1380kc), 4:30-7 p. m., Capitol theater organ; Tip-Top Inn string ensemble; 10-1:30 a. m., Tearney's Town club orchestra; Carl Lorraine's Pershing Palace orchestra; Midway Garden orchestra; Capitol theater program.

WORD, Batavia, Ill. (275.1m-1090kc), 8 p. m., Webster hotel concert trio; 8:35, Cosmopolitan School of Music; 9:30, talk to travelers.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Garden orchestra; 10-2 a. m., Jerry Sullivan; Hal Lansing; Lew Butler; Bert Davis.

WRC, Washington, D. C., (468.5m-640kc), 7 p. m., WJZ; 7:30, U. S. Marine band, WJZ, WGY; 9, Royal Salon orchestra, WJZ, WGY, WCAD; 9:30, music; 10:30, Meyer Davis' LeParadis band.

WRVA, Richmond, Va. (256.3m-1170kc), 8:45 p. m., violin ensemble; 9:45, Immanuel choir, quartet, pianist; 11, Carry Me Back to Old Virginny.

WSAI, Cincinnati, Ohio (325.9m-920kc), 7:15 p. m., WEAF; 8, WEAF; 9, WEAF.

WSWS, Chicago, Ill. (275.8m-1090kc), 6 p. m., Terrace Gardens orchestra; Catherine O'Brien, pianist; John Clark, baritone; Zola Haynes, pianist; 8, Alvina Becker, Borden Brothers; Terrace Gardens; 10, Terrace Gardens; Cook Sisters; Smith and Ford.

WTAM, Cleveland, Ohio (389.4m-770kc), 6:15 p. m., Hollenden hotel orchestra; 7:15-9, WEAF; 9, studio program; 11, Austin Wylie's orchestra.

WTIC, Hartford, Conn. (475.9m-630kc), 5:50 p. m., Bond trio; 7:15-8:15, 102nd Infantry band.

WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7, WEAF.

Central Standard Time Stations

KFH, Wichita, Kans. (267.7m-1120kc), 7 p. m., Markle and Hiner, Harmony team; Ida May Stewart.

KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., concert.

KLDS, Independence, Mo. (440.9m-680kc), 8 p. m., Independence Mandolin and Guitar club.

KMA, Shenandoah, Iowa (252m-1190kc), 9-11 p. m., Ye Old Time orchestra; Willy Cunningham, the farmer Scotchman.

KOIL, Council Bluffs, Iowa (277.6m-1080kc), 6:03 p. m., Virginia Fair, pianist; 6:30, Raisin-Bran program; Art Marr's Imperial dance orchestra; 7, Virginia Mulholland, harpist; Francis Mulholland, violinist; Lois Green, soprano; 8, Nebraska's Oldest Music house; 11, Muriel Mann, organist.

KPRC, Houston, Texas (296.9m-1010kc), 7:30 p. m., Harry Kobusch and his orchestra; 8:30, Byron Quayle, baritone; Katherine Allen Lively, accompanist; 8:45, Willard Opocensky, pianist; 9, Southern Pacific Lines glee club.

KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., WEAF; 9, Lyric Skydome.

KSO, Clarinda, Iowa (241.8m-1240kc), 8 p. m., Essex band.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10-9:45 p. m., Edward Richter, saxophonist; orchestra; 9:45-10, Lawson Reid, organist; 10-10:30, dance program, Whittington Park.

KUOA, Fayetteville, Ark. (299.8m-1000kc), 8:20 p. m., musicale, Mildred Gregg, Ruth Holt, Lucy Leigh Brown.

KVOO, Bristow, Okla. (374.8m-800kc), 6-9 p. m., surprise program.

KYW, Chicago, Ill. (535.4m-560kc), 6 p. m., musicale, Hearst square; 8-9:30, classical concert; 9:30-10:30, Congress carnival.

WBAP, Fort Worth, Tex. (475.9m-630kc), 7:30-8:30 p. m., Davis Baking Powder saxophone octet; 9:30-11, farewell concert, L. C. Duncan, Paul Cooper; 11-12, Harmony club.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 7 p. m., WEAF; 9, Justrite Boys; 9:30, National Association of Railway Magazine Editors.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., Billy Adair's orchestra; 11:45-1 a. m., frolic.

WFAA, Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m., Jimmy Joy's orchestra; 8:30-9:30, Elizabeth Gay Jones, pianist.

WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., John Hansen, pianist; Ruth Buest, violinist; Edward Barrett, flutist; John Peake, clarinetist; C. C. Shumaker, tenor.

WHB, Kansas City, Mo. (365.6m-820kc), 7-7:45 p. m., dinner hour organ concert; 8-9, Rubber twins, Ralph Forster; Jerry Hall, artists; 9-10, popular music.

WHO, Des Moines, Iowa (526m-570kc), 7:30-8 p. m., Raleigh quintet; 8-9, Bankers Life trio; 11-12 midnight, Bankers Life Corn Sugar orchestra.

WOAI, San Antonio, Tex. (394.5m-760kc), 8:30 p. m., Mistletoe Melody Maids.

WOAW, Omaha, Nebr. (526m-570kc), 6 p. m., organ; 6:50, Randall's Royal Fontenelle orchestra; 9, classical.

WOC, Davenport, Iowa (483.6m-620kc), 6-9 p. m., WEAF; 9-9:30, Moline Plowboys, musical program.

WOI, Ames, Iowa (270.1m-1110kc), musicale.

WRR, Dallas, Texas (245.8m-1220kc), 6-7 p. m., Adolphus hotel; 8-9, musicale; 9:30-10:30, Dyo Corporation of Dallas.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., Atlanta and Westpoint orchestra; 10:45, Charles A. Sheldon, organist.

WSM, Nashville, Tenn. (282.8m-1060kc) 7 p. m., Beasley Smith's orchestra; 8:15, Mrs. Henry Richardson, contralto; 10, program, Mrs. T. Settle.

WSMB, New Orleans, La. (319m-940kc), 8:30 p. m., Schilling's society serenaders; Radio Revelers; Liberty theater orchestra.

WSOE, Milwaukee, Wis. (245.8m-1220kc), 7 p. m., dinner music, Elks club; 8, Bible conference; 9, Lakefront studio program.

Mountain Standard Time Stations

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., program by students, U. S. C.; 8-9, classical hour; 9-10, varied program; 10-11, Patrick-Marsh dance orchestra, Betty Patrick, soloist.

KFWB, Hollywood, Calif. (252m-1190kc), 6:30-7:30 p. m., Pontiac Six dinner hour; 8-9, program, McGavin Brothers, bakery; 9-10, program, Dell's Ice Cream; 10-11, Warner Brothers frolic.

KGO, Oakland, Calif. (361.2m-830kc), 8-9 p. m., vacation program; Duke Kamoku and his Royal Hawaiians, WOW male trio; 9, Brokaw and orchestra.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-10, vaudeville program; Four Sailors; Ebony and Ivory, piano duet; Luke's Flower girls; 10-12, Cole McElroy's dance orchestra.

KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., Uncle John and the Children; 8-10, Zoellner Conservatory of Music, program; Mona Content, pianist.

KNX, Hollywood, Calif. (336.9m-890kc), 7-8 p. m., feature program; 8-9, Willys-Overland dealers' program; 9-10, Stephens minstrel show; 10-11, studio program; 11-12 midnight, Cocoanut Grove dance orchestra; 12-2 a. m., Don Meaney's midnight frolic.

KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7 p. m., States Restaurant orchestra; 7-7:30, Fairmont hotel orchestra; 8-9, Caswell Coffee company; 9-10, studio program; 10-11, Cabiria cafe dance orchestra.

KPSN, Pasadena, Calif. (315.9m-950kc), 8-9 p. m., Pasadena chamber of commerce.

KTAB, Oakland, Calif. (239.9m-1250kc), 8-10 p. m., studio program.

Friday, June 4

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
7 p. m.	6	5	4	3

WEBJ (272.6m-1100kc), Dixie Daisy entertainers.

8	7	6	5	4

WAHG (315.6m-950kc), 32nd great artists organ recital.

WDAF (365.6m-820kc), Harry Frank, organist.

9:15	8:15	7:15	6:15	5:15

WGAU (277.6m-1080kc), Nasco Jolly Four.

9:30	8:30	7:30	6:30	5:30

WHO (526m-570kc), Operatic program.

10	9	8	7	6

WOC (483.6m-620kc), Rex's band.
WRR (245.8m-1220kc), Magnolia Petroleum band.

10:30	9:30	8:30	7:30	6:30

WFAA (475.9m-630kc), Schubert Choral club.

11	10	9	8	7

WLIT (394.5m-760kc), Morning Glory club.

11:15	10:15	9:15	8:15	7:15

KOA (322.4m-930kc), Darktown sketches.

2 a. m.	1	12 m.	11	10

KFI (467m-640kc), Ballad hour.

Friday, silent night for: CFAC, CHIC, CKAC, CKNC, CKY, CNRC, CNRM, CNRO, CNRR, CNRW, KFAU, KFMQ, KFWA, KFXF, KLDS, KPRC, KPSN, KSAC, KUOA, KUOM, PWX, WBBR, WCAD, WCBD, WEAO, WEBW, WGBS, WGST, WHAZ, WIP, WJAZ, WKRC, WLW, WLWL, WNAD, WOR, WRC, WREO, WRVA, WSAI, WSMB, WSUI, WTAM.

Atlantic or Eastern Daylight Saving Time Stations

WAHG, Richmond Hill, N. Y. (315.6m-950kc), 7:30 p. m., Edna Bockstein, pianiste; 8, "Great Artist" recital; 9, Lois Ewell, prima donna soprano, assisting artists; 9:45, John Aspe, tenor; 10, Shell Beach trio; 10:30, dance orchestra.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:45 p. m., Hotel Pennsylvania orchestra; 7:15, Peter Rabbit and the kiddies; 7:30, Snellenburg instrumental trio; 8:15, Enrico Aresoni, operatic tenor; 8:30, Singing Groundhog; 8:45, Dwight Strickland, "poetician"; 9, The Reginas; 9:15, Nasco Jolly Four; 9:45, Gypsy orchestra; 10:05, songs; 10:30, Myers' Musical Architects.

WEAF, New York, N. Y. (491.5m-610kc), 6-12 midnight, dinner music; Happiness Candy Boys; Cities Service quartet; Buffalodians; Ben Bernie and his orchestra.

WEBJ, New York, N. Y. (272.6m-1100kc), 7 p. m., Harvey J. Heeb and his Dixie Daisy entertainers; 7:30, Luna Park program; 8, Jack Gall, pianist; 8:15, Queens City entertainers; 8:30, Luna Park program.

WEEI, Boston, Mass. (348.6m-860kc), 7:30 p. m., Whiting's Grade A entertainers; 8, musicale; 8:30, Sandy MacFarlane; 9, WEAF; 9:30, musicale; 10, WEAF; 10:30, Ed Andrews and his Nautical Gardens orchestra.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra.

WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., program, Elm Vocational school; 8:30, J. Blosek, pianist; 9, Winger's Crescent Park entertainers; 9:30, WEAF; 10:15, W. H. F. Tenny; 10:30, Mrs. Vernon Curtis and associate artists; 11, Vincent Lopez Hotel Statler dance orchestra.

WHAR, Atlantic City, N. J. (275.1m-1090kc), 8 p. m., Seaside hotel trio.

WHN, New York, N. Y. (361.2m-830kc), 7 p. m., Phil Abrahams and his Colonial Aces; 7:30, Treasureland Neighbors; 8, Uncle Robert's Chat; 9, Loew's Lexington orchestra; 9:30, Palisades Amusement Park orchestra; 10, Roseland dance orchestra; 10:30, Strand Roof orchestra; 11, Barn club orchestra; 11:30, Club Alabam orchestra; 12, Silver Slipper orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin hotel concert orchestra; 7, Uncle Wip's bedtime stories; Hansell Borst, musical saw.

WJAR, Providence, R. I. (305.9m-980kc), 8 p. m., musicale; 8:30, Gorman's Jolly Bakers; 9, musicale; 10, WEAF; 11, Providence Biltmore dance orchestra.

WJZ, New York, N. Y. (454.3m-660kc), 7 p. m., George Olsen and his Hotel Pennsylvania Grill orchestra; 8, Sundial Shoe serenaders; 8:30, Bonnie Laddies; 9, Snider's Catsup hour; 10, Baldwin hour; 11, Hotel Lorraine Grill orchestra.

WLIT, Philadelphia, Pa. (394.5m-760kc), 8:30 p. m., recital; 10, Arcadia cafe dance orchestra; 10:30, Rufus and Rastus; 11, Freshman hour; 12 midnight, Morning Glory club concert.

WMAK, Buffalo, N. Y. (265.3m-1130kc), 6:30 p. m., dinner music; 7:40, musicale; 9-10, Sunrise Point Development company.

WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Olcott Vail and his Hotel McAlpin string ensemble; 6:30, Ernie Golden and his Hotel McAlpin orchestra; 8, Woodmansten Inn orchestra; 8:50, Broadway Ass'n.; 9, Hardman Hour of Music; 12 midnight, McAlpin entertainers.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., "Sir Hobgoblin," Blanche Wade; 7:45, Ritz Carlton dance orchestra; 8:15, WOO orchestra; 9:25, Fox theater studio program; 10, WEAF; 10:30, Sylvania dance orchestra.

WOR, Newark, N. J. (405.2m-740kc), 6:40 p. m., Hotel Bretton Hall string quartet.

WPG, Atlantic City, N. J. (299.8m-1000kc), 6:45 p. m., Arthur Scott Brook, organist; 7, Hotel Traymore dinner music; 7:30, Elks home dinner music; 8:15, Sol Kendis and Chick Leonard entertainers; 8:30, Million Dollar Pier dance orchestra; 9, Hotel Ambassador concert orchestra; 10, studio program; 10:30, Jean Wiener, organist.

WTAG, Worcester, Mass. (267.7m-1120kc), 6-7 p. m., WTAG orchestra; 8:15, program; 10-10:30, WEAF.

Eastern Standard or Central Daylight Saving Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 5:30 p. m., dinner concert, orchestra; 9, Teaberry time.

WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., WBAL dinner orchestra; 8-9, musicale; 9-10, John Wilbourn, tenor; WBAL trio; 10-10:30, WBAL mixed quartet; 10:30-11, Frederick D. Weaver, organist.

WBBM, Chicago, Ill. (225.4m-1330kc), 8-10 p. m., Safety First playlet; Hazel McBroom, contralto; Alemite High Pressure orchestra.

WBZ, Springfield, Mass. (333.1m-900kc), 6 p. m., Hotel Lenox ensemble; 6:33, Hotel Kimball trio; 8, announced; 8:30, Burbank "Chocolateers"; 9, Baldwin hour of music.

WEBH, Chicago, Ill. (370.2m-810kc), 7 p. m., Osborn's orchestra; Bernard Weber, Pauline Sachs; 9, Osborn's orchestra; Bernard Weber; 11-12:30, Oriole orchestra; Irene Beasley; Flo and Ray, Cook Sisters.

WGHB, Clearwater, Fla. (265.3m-1130kc), 8:30-10 p. m., Dr. D. D. Dunseith, organist.

WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert; 10-11, entertainers; 11-12, Skylark dance band, soloists; 12-1 a. m., Gerald Marks' orchestra.

WGN, Chicago, Ill. (302.8m-990kc), 6:45-7 p. m., musical program; Drake concert ensemble, Blackstone string quintet, request program; 7:15-8, Paul Ash; 8-8:30, WEAF; 8:30-9, Curfew Capers; 9-9:30, WEAF; 9:30-10, Phantom violin; 10-10:10, Sam 'n' Henry; 10:10-11, musical program, ensemble.

WHT, Chicago, Ill. (399.8m-750kc), 7 p. m., Al Carney; Grayling's Hussey, bass; 10:15, (238m-1260kc), Cinderella cafe orchestra; 10:30 (399.8m-750kc), Sunbeam Girls; 11:05, Loftis half-hour presentation; 12 midnight, your hour league.

WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., dinner program, string trio; Charlotte Edwards, contralto; 10-2 a. m., popular program; Ted Fiorito, pianist; Dan Russo, violinist; songs, monologues; Tony Corcoran; Hickey and Johnson.

WJAZ, Chicago, Ill. (329.5m-910kc), 9-12 midnight, Earl Hoffman's Chez Pierre orchestra; the Quips that Pass in the Night; Alexander Nakutin School of Music.

WJJD, Mooseheart, Ill. (370.2m-810kc), 5:30-7 p. m., Jack Nelson; Howard Peterson, organist; Victorians, 8-9, child artists, solos, bands; 10-11, Senator Harold C. Kessinger; Palmer House Victorians; 12:30 a. m., Settin' Up hour.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Petite symphony orchestra; 7:30, Arctic Specials; 9, Mulkey Celebrities.

WKAR, East Lansing, Mich. (285.5m-1050kc), 8-9 p. m., State Department program.

WLIB, Chicago, Ill. (302.8m-990kc), 7-7:05 p. m., Million sing; 7:05-7:15, Old-fashioned almanack; 11-11:20, Correll and Gosden; 11:20-1 a. m., Liberty studio ensemble; Ambrose Larsen, organist; Tommy Thatcher's Drake hotel dance orchestra; Fred Hamm's Purple Grackle orchestra.

WLS, Chicago, Ill. (344.6m-870kc), 7:15 p. m., College Inn orchestra; 7:30, Ralph Emerson, organist; 8, popular music; 8:30, First Presbyterian church choir; 9, Treble Clef Ladies' quartet; 10, Westminster quartet; 11-12 midnight, Ralph Emerson, organist.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Wide-Awake club program; 8, musical program; 8:30, Whitney trio; 9:20, musical program, chimes.

WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon duo, special artists, old-home songs; 9-11, Trianon orchestra; trio; Krueger and Dillon, banjo barons; Joe Warner, popular program.

WOK, Chicago, Ill. (217.3m-1380kc), 4:30-7 p. m., Capitol theater organ; studio program; Tip-Top Inn string ensemble concert; 10-1:30 a. m., Tearney's Town club orchestra; Midway Garden orchestra; Capitol theater program.

WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9-9:15 p. m., "Chopin"; 9:15-10, Belding choral union; 10-11, Tschaikowsky half hour; Olive Wetzel, pianist; Henry Vaughn, baritone.

WORD, Batavia, Ill. (275.1m-1090kc), 7 p. m., North Shore line; 7:45, World News Digest; 9, studio program.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Garden orchestra; 10-2 a. m., Rainbo Garden orchestra; Dr. H. Lucille Long, woman harmonica player; Ward Purkeyser, tenor; Clark's Hawaiian trio.

WRVA, Richmond, Va. (265.3m-1170kc), 9:30 p. m., 12:30 a. m., Edgeworth Party night, dance programs.

Royalty has enjoyed the orchestra of Rex Battle, left. For several months he entertained King George on his yacht and also played at Buckingham palace. For the past two years Mr. Battle has been leader of the Mount Royal hotel concert orchestra and has played exclusively for CKAC Tuesday and Saturday evenings at 7:30 p. m.

CRUISE WITH MAYFLOWER OVER WRC

Friday, June 4

WSWS, Chicago, Ill. (275.8m-1090kc), 6 p. m., Madaline McGraw, ballads; 8, Terrace Gardens; John Clark, baritone; 10, Terrace Gardens.

WTAM, Cleveland, Ohio (389.4m-770kc), 6:15 p. m., Hotel Cleveland orchestra; 8, studio program; 9, WEAF; 9:30, studio program.

WTIC, Hartford, Conn. (475.9m-630kc), 5:30 p. m., Hub trio; 7:15, Fanny G. Eckhardt, pianist; 7:30, Mrs. E. B. Heywood and quartet; 8:15, Benjamin Buxton, pianist; Willard M. Clark, baritone; 8:45, Travelers string quartet; 9:15, WTIC Mail Bag; 9:30, Leon Hatton, popular songs; 9:45, Travelers string quartet; 10-11, Emil Heimberger's Hotel Bond dance orchestra.

WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 8, News orchestra; 9, WEAF; 9:30, dance program.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., dinner concert; 8:30-10:30, Francis and Sarah Green of Wymore; Little symphony orchestra.

KFH, Wichita, Kans. (267.7m-1120kc), 7 p. m., dance orchestra.

KFKX, Hastings, Nebr. (288.3m-1040kc), 9-11 p. m., Home Imperial orchestra.

KFNF, Shenandoah, Iowa (263m-1140kc), 7:30 p. m., concert, Lafe Corbin, director.

KMA, Shenandoah, Iowa (252m-1190kc), 9-11 p. m., musical program.

KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., dinner recital, Mrs. Jacque Landree, organist; 7, Brown Bilt boys, Mary Jane and her uke; saxophone quintet, orchestra; 8, Longo Sisters, orchestra, light opera; 9, "Jane Eyre," novel; 10, Music Lovers' hour, orchestra; Helen Musick, dramatic soprano; 11, Rendezvous club, dance music, A. Snyder, accordion soloist.

KOIL, Council Bluffs, Iowa (277.6m-1080kc), 6:03 p. m., Ray Rice, banjoist; Ivan Collen, pianist; Eric Thornton, tenor; Randall's Royal orchestra; 7:30, Lyric serenaders; 8, program, Dresher Brothers; Jack and Jill; 11, Hotsy Hotsy hour.

KSD, St. Louis, Mo. (545.1m-550kc), 7:30 p. m., Commerce hour; 8, program.

KSO, Clarinda, Iowa (241.8m-1240kc), 8 p. m., Baker and Anderson Harmony team.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10-9:30 p. m., Joe Kuntz, accordionist; 9:30-10, New Arlington hotel orchestra; 10-10:30, Como Roof Garden orchestra.

KVOO, Bristow, Okla. (374.8m-800kc), 6-9 p. m., Josephine Storey-White.

KYW, Chicago, Ill. (535.4m-560kc), 6 p. m., musicale; 7-8, Federal Masters; 9:30-11, Congress carnival.

WBAP, Fort Worth, Tex. (475.9m-630kc), 7:30-8:30 p. m., Gordon L. Mann saxophone quintet; 9:30-11, Lutcher Stark Boys band; 11-12, Panther Hawaiian trio.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6:15 p. m., dinner program, St. Paul association; 8, WEAF; 8:30, Great Western Railroad orchestra; 10:05, Dick Long's Nankin cafe orchestra.

WCOA, Pensacola, Fla. (222m-1350kc), 7 p. m., Matteo Viscusp, accordionist; A. Morley Darby, spiritual songs; Rev. George Callahan, pianist; Madame Dupont, vocalist; Ray C. Dinsmore, cellits; Mrs. O. Hamilton, pianist; West Floridian dance orchestra.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., Harry Frank, organist; 8-8:30, WEAF; 8:30-9:30, varied musical program; 11:45-1 a. m., Nighthawk frolic.

WFAA, Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m., Honey Boys orchestra; 8:30-9:30, Schubert choral club.

WGBF, Evansville, Ind. (236.1m-1270kc), 7 p. m., A. L. Maxwell company, musicale; 8, Auto tour; 11, D. X. hunting club.

WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., Reynolds-Kent Hotel Kentucky orchestra.

WHB, Kansas City, Mo. (365.6m-820kc), 7-8 p. m., Sweeney Radio orchestra.

WHO, Des Moines, Iowa (526m-570kc), 7:30-9 p. m., operatic program, Grace Clark DeGraf; 11-12 midnight, Philbreck and his Younker orchestra.

WOAI, San Antonio, Tex. (394.5m-760kc), 8:30 p. m., San Antonio College of Music program or Walter Dunham Harmonologue.

WOAW, Omaha, Nebr. (526m-570kc), 6 p. m., music review, Hester Bronson Copper; 6:50, Jaffy and Braviroff; 9, Puritan program.

WOC, Davenport, Iowa (483.6m-620kc), 5:45-5:55 p. m., chimes concert; 8-9, Rex's band, musical program.

WRR, Dallas, Texas (245.8m-1220kc), 6-7 p. m., dinner hour concert; 8-9, Magnolia Petroleum company band; 11-12 midnight, musical program.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., concert; 10:45, concert.

WSOE, Milwaukee, Wis. (245.8m-1220kc), 7 p. m., dinner music, Elks club studio; 7:45, Radio mass singing; 9, Candygram revue.

Mountain Standard Time Stations

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra; 8, Scheuerman's Colorado orchestra; 8:15, KOA minstrel players.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., dance program; 8-9, Aeolian organ; 9-9:30, popular program; 9:30-10, Mutual Motors Mirth contest; 10-11, Packard Ballad hour.

KFOA, Seattle, Wash. (454.3m-660kc), 5:55-6:25 p. m., Atwater Kent boys, Doug and Fred; 6:45-8:15, program; 8:30-10, Times studio program; 11-12, KGW.

KFWB, Hollywood, Calif. (252m-1190kc), 6:30-7:30 p. m., Pontiac Six dinner hour; 8-9, program, John Wright, The Right Tailor; 9-10, program, Sealy Mattress company; 10-11, Warner Brothers frolic.

KGO, Oakland, Calif. (361.2m-830kc), 6 p. m., dinner concert.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-9, vocal and instrumental concert; 9:15-10:30, vocal and instrumental; 10:30-12, frolic, Keep Growing Wiser Order of Hoot Owls; Pantages stars, features.

KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., Uncle John and the Children; 8-9, program, Southern California Baptist Young People; 9-10, popular program.

KNX, Hollywood, Calif. (336.9m-890kc), 7-8 p. m., Bad Egg club; 8-9, program, Jell-X-Cell; 9-10, Order of Optimistic Donuts; 10-11, Hollywood American Legion fights; 11-12 midnight, Cocoanut Grove dance orchestra.

KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7 p. m., States Restaurant orchestra; 8-9, studio program; 9-10, Palace Hotel Rose Room dance orchestra; 10-11, States Restaurant orchestra.

KTAB, Oakland, Calif. (239.9m-1250kc), 8-10 p. m., program, Breuner's.

KWSC, Pullman, Wash. (348.6m-860kc), 8-9:30 p. m., program, Plummer, Idaho, high school; Erma Greene, reader.

Saturday, June 5

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
8:45 p. m.	7:45	6:45	5:45	4:45

WOR (405.2m-740kc), Copenhagen quartet.

9	8	7	6	5

KSD (545.1m-550kc), Lyric Skydome.
WGBS (315.6m-950kc), Bergen County Veterans band.
WIP (508.2m-590kc), Persian Garden song cycle.

Atlantic	Eastern	Central	Mountain	Pacific
9:30 p. m.	8:30	7:30	6:30	5:30

WLW (422.3m-710kc), Scenes from "Mirella."

10	9	8	7	6

WSB (428.3m-700kc), Atlanta Atwater Kent program.
WTAM (389.4m-770kc), Ev Jones and gang.
WTIC (475.9m-630kc), Surprise package.

10:30	9:30	8:30	7:30	6:30

WFAA (475.9m-630kc), Hubbell club.

11	10	9	8	7

WSUI (483.6m-620kc), University band.

1 a. m.	12 m.	11	10	9

KGO (361.2m-830kc), Alameda Sciots' band.
WSAI (325.9m-920kc), Maids of Melody.

Saturday, silent night for: CNRA, CNRC, CNRE, CNRM, CNRR, CNRT, CNRV, CNRW, KFKU, KFKX, KFRU, KFUO, KFXF, KMA, KOAC, KOB, KSAC, KSO, KTAB, KWSC, WABQ, WAIU, WBAL, WCAL, WCX, WDOD, WEAO, WEBJ, WEBW, WEMC, WGBF, WGCP, WGHP, WGST, WHA, WHAD, WHAZ, WHN, WHO, WIP, WJAD, WJAR, WKAR, WLIT, WLWL, WMAZ, WNAD, WOS, WRVA, WTAG, WTIC, WWJ.

Novelties produced only on the accordion and the banjo are promised listeners for Friday evening June 11, at WGR, Buffalo, when Anthony Lombardo and John Faulis, left, appear. They are natives of Jamestown, N. Y., and have been heard over their home station, WOCL. Above is an accomplished young pianist, Margaret Quinn, who is a frequent visitor at WLW.

Atlantic or Eastern Daylight Saving Time Stations

CFCA, Toronto, Can. (356.9m-840kc), 9 p. m., CFCA summer orchestra.

WAHG, Richmond Hill, N. Y. (315.6m-950kc), 12 midnight, Midnight variety program.

WEAF, New York, N. Y. (491.5m-610kc), 6-12 midnight, Parnassus trio; musical comedy hits; Etta Kabram, pianist; Pelham Heath Inn orchestra; Vincent Lopez and his orchestra.

WEEI, Boston, Mass. (348.6m-860kc), 7:40 p. m., Lucerne-in-Maine quintet; 8:10, Pop concert.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra; 8:30, Constance Neville Johns, soprano.

WGBS, New York, N. Y. (315.6m-950kc), 6:30 p. m., Vincent Sorey concert trio; 7:10, Sorey concert trio; 7:15, travel talk; 7:30, Arcadia orchestra; 8:30, Island City Lodge, Symphony orchestra; 8:45, Bergen County Veterans' band; 10:30, Arrowhead Inn dance orchestra.

WHAR, Atlantic City, N. J. (275.1m-1090kc), 8 p. m., Seaside hotel trio.

WIP, Philadelphia, Pa. (508.2m-590kc), 8:15 p. m., Sesquicentennial program; Hans Schlegel, flutist, Phila. orchestra; Lawrence Summers, violinist; Louise Hazel Sterret, soprano; Flora Ripka, accompanist; 9, The Persian Garden song cycle; 10:05, El Patio dance orchestra; 11:05, organ recital, Germantown theater.

WJZ, New York, N. Y. (454.3m-660kc), 7 p. m., Hotel Madison concert orchestra; 8, WRC; 11, WRC.

WLIT, Philadelphia, Pa. (394.5m-760kc), 7:30 p. m., Benjamin Franklin orchestra.

WMAK, Buffalo, N. Y. (265.3m-1130kc), 7:30 p. m., Hotel Onondaga, WGY; 8:30-10, musicale.

WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Olcott Vail and his Hotel McAlpin string ensemble; 7, Toppen's orchestra; 10, Norman Pearce, readings; 11, Ernie Golden and his Hotel McAlpin orchestra; 12 midnight, McAlpin entertainers.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Adelphia dinner dance orchestra.

WOR, Newark, N. J. (405.2m-740kc), 6:30 p. m., Jacques Jacobs' Hotel Shelton ensemble; 7:30, Van's Collegians; 8, Orange Chamber of Commerce program; 8:45, Copenhagen quartet; 9:15, LaForge-Berumen musicale; 11, Larry Siry's Hotel Ambassador orchestra.

WPG, Atlantic City, N. J. (299.8m-1000kc), 6:45 p. m., Arthur Scott Brook, organist; 7, Hotel Morton dinner music; 7:30, Elks Home dinner music; 9, Hotel Traymore concert orchestra; 10, Million Dollar Pier dance orchestra; 10:30, Garden Pier dance orchestra; 11:30, Elks Home dance orchestra.

Eastern Standard or Central Daylight Saving Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 5:30 p. m., Westinghouse band concert; 8:30, concert, Westinghouse band.

WBBM, Chicago, Ill. (225.4m-1330kc), 8-2 a. m., Alemite orchestra; Ziegler Stars; Tip trio; Smith and Ford; Alemite orchestra; Vanity Fair orchestra.

WBZ, Springfield, Mass. (333.1m-900kc), 6 p. m., Capitol theater orchestra; 6:33, Dr. D. Staley, reader; 8, Graydon trio; Helen Hegel, cellist; Lucy Norton, violinist; Lena Graydon, pianist; 9, Mrs. Philip Hansling, soprano; R. Hansling, tenor; 9:30, Bob Patterson's orchestra.

WEBH, Chicago, Ill. (370.2m-810kc), 7-8 p. m., songs, Frank Greif; 9-10, Edgewater Beach hotel Oriole orchestra; 11-12 midnight, Oriole orchestra; Kay Ronayne; 1 a. m., Oriole orchestra; 1-2, frolic.

WGN, Chicago, Ill. (302.8m-990kc), 6:45-7 p. m., musical program; 8-8:10, Auld Sandy; 8:10-8:30, musical program; 8:30-9:30, light opera concert; 9:30-10, old-time prize fight; 10-10:10, Sam 'n' Henry; 10:10-11, ensemble.

WHT, Chicago, Ill. (399.8m-750kc), 7:10 p. m., Al Carney, organist; 10:15 (238m-1260kc), Cinderella cafe orchestra; 10:50 (399.8m-750kc), Jack Turner, popular singer; Irene Smith; Pan Dandy trio; Badger Four male quartet; 12 midnight, your hour league.

WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., dinner concert; string trio; Frances Schiebe, soprano; Evelyn Elliott, contralto; James Luschanski, trio.

WJAZ, Chicago, Ill. (329.5m-910kc), 9-1 a. m., Earl Hoffman's Chez Pierre orchestra; program from Pierre's studio, Zenith artists.

WJJD, Mooseheart, Ill. (370.2m-810kc), 7:45 a. m., Roman Catholic services; 9:40, Protestant services; 2:30 p. m., concert; 3:30, Bible class; 4-5, Palmer House symphony orchestra.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Jean Goldkette's serenaders; 9:30, symphony; 11:30, Merry Old Chief.

WLIB, Chicago, Ill. (302.8-990kc), 7-7:05 p. m., million sing; 7:15-7:30, Drake concert ensemble; Blackstone string quintet; 7:30-8, Drake concert ensemble; Pattison Coates, baritone; 11-11:20, Correll and Gosden; 11:20-1 a. m., Ambrose Larsen, organist; Purple Grackle orchestra.

WLS, Chicago, Ill. (344.6m-870kc), 7 p. m., lullaby time; 7:15-1 a. m., national barn dance.

WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., Johanna Grosse, organist; 7:30, Sekatary Hawkins Radio club; 8:30, scenes from "Mirella"; 9, Germantown program; 9:30, Castle Farm.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Hotel LaSalle orchestra; 8, Daw and Pratt; 8:30, photologue; 9, Chicago theater revue.

WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon ensemble; Hilda Hinrichs, cellist; Margaret Conrad, violinist; Preston Graves, pianist; Franklin Kidd, tenor; Arvid Anderson, baritone; 9-11, Trianon orchestra; Woodlawn theater orchestra; ensemble; Hilda Hinrichs, cellist; Margaret Conrad, violinist; Jimmy Eggert; Andy Anderson; Jack Goodwin, Trianon syncopators.

WOK, Chicago, Ill. (217.3m-1380kc), 4:30-7 p. m., Capitol theater organ; ensemble; studio program; 10-1 a. m., Tearney's Town club orchestra; Midway Garden orchestra; Preshing Palace orchestra; Capitol theater program; 1-2, orchestras.

WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9-10 p. m., Elizabeth Barker Van Campen hour of music; 10-11, Pervis Jeffery, Radio tenor; Roy Clark, Harold DeWindt; Bob and Hazel McOsker; Freddie Gleason, Thelma Dykman.

WORD, Batavia, Ill. (275.1m-1090kc), 7 p. m., Webster hotel concert; 9, studio program.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Gardens orchestra; Jean Carlson, soprano; Kenyth Dunn, pianist; Peter Gruber, violinist; 10-3 a. m., Jerry Sullivan; Harry Geise; Joe Warner; Rita McFawn; Mary Bieber; Bert Davis.

WRC, Washington, D. C. (468.5m-640kc), 7:30 p. m., Hotel Washington orchestra; 8:30, music; 10, Hotel Mayflower orchestra, WJZ; 11, Otto F. Beck, organist.

WSAI, Cincinnati, Ohio (325.9m-920kc), 8 p. m., chimes; 8:15, news; 8:30, Bicycle Playing Card sextet; 12, Lelia LaMar, Latonia Melody Boys; Norinne Gibbons, Priscilla Holbrook, Irene Beasley, Maids of Melody.

WSWS, Chicago, Ill. (275.8m-1090kc), 6 p. m., Chicago serenaders; 8, Gus Edwards orchestra; Oxford Girls; Jack Ford; John Clark, ballads; Terrace Gardens orchestra.

WTAM, Cleveland, Ohio (389.4m-770kc), 6 p. m., Collegian serenaders; 7:30, studio program; 8, Hollenden hotel orchestra; 9, Ev Jones and his gang.

WTIC, Hartford, Conn. (475.9m-630kc), 5:50 p. m., Bond trio; 7:30, George S. Owen, tenor; Mrs. George Taylor, contralto; 8, Louise H. Veite, soprano; Charles Favali, tenor; Eugene T. Oviatt, pianist; 8:30, Elizabeth A. Reese, contralto; 8:45, Kenneth Childs, baritone; 9, Surprise package; 9:30-10:30, Carroll's Palais Royal dance orchestra.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., dinner concert; 8:30-10:30, variety program, KFAB artists.

KFH, Wichita, Kans. (267.7m-1120kc), 7 p. m., J. O. Adams Music company.

KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., concert, Irwin, Iowa; 11, old-time music.

KLDS, Independence, Mo. (440.9m-680kc), 8 p. m., studio program, Mrs. Joe Cope, soprano.

KMA, Shenandoah, Iowa (252m-1190kc), 9-11 p. m., musical program.

KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., dinner recital, Mrs. Jacque Landree, organist; 8, Cotton Pickers; Herbert Paschen, musical saw soloist; light opera selections; 9, Marguerite Schmidt, pianist; soloists; 9:30, John Sauter, flute soloist; Mrs. Jacque Landree, organist; 11, Rendezvous club, orchestra, Al and Bob, soloists.

KOIL, Council Bluffs, Iowa (277.6m-1080kc), 6:03 p. m., "Y" Pioneer Radio club; 6:30, Leo Kearse, pianist; 7:30, Mono Motor four; 8, Cass Double-Violin trio; 11, Tattle Tales.

KPRC, Houston, Texas (296.9m-1010kc), 7:30 p. m., Bible class; 8:30, Frank Tilton, pianist; 10:30, Harold Oxley's Warwick hotel orchestra.

KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., Lyric Skydome.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10-9:45 p. m., Lawson Reid, organist; 9:45-10:30, New Arlington Hotel Meyer Davis orchestra.

KVOO, Bristow, Okla. (374.8m-800kc), 6-9 p. m., Marshall Van Pool and his Radio orchestra.

KYW, Chicago, Ill. (535.4m-560kc), 6 p. m., hour of music; 7, KYW's Congress hotel studio; 8-9:30, classical concert; 9:30-11, Congress carnival.

WBAP, Fort Worth, Tex. (475.9m-630kc), 9:30-11 p. m., Hired Hand's Little symphony.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6:15 p. m., Emmet Long's Golden Pheasant orchestra; 8:15, Dick Long's orchestra; 9:15, musicale; 10:05, Emmet Long's Golden Pheasant orchestra.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., Zez Confrey's orchestra; organ music; 11:45-1 a. m., Nighthawk frolic.

WFAA, Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m., Jimmy Joy's orchestra; 8:30-9:30, Hubbell club; 11-12 midnight, Jack Gardner's orchestra.

WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., Arthur Findling, baritone.

WOAW, Omaha, Nebr. (526m-570kc), 6:50 p. m., orchestra; 7:15, Creighton educational period; 9, Junior Chamber of Commerce Funcasters; 10, organ.

WOC, Davenport, Iowa (483.6m-620kc), 5:45-5:55 p. m., chimes concert; 9-10, musical program, Robert McAuley, baritone; Russell Homan, violinist; Novelty comedy trio.

WRR, Dallas, Texas (245.8m-1220kc), 6-7 p. m., Jack Gardner's orchestra; 8-9, A. Harris and company.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., Atlanta Atwater Kent hour; 10:45, Journal Hired Help Skylark.

WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., Beasley Smith's orchestra; 8:15, popular studio program.

WSMB, New Orleans, La. (319m-940kc), 8:30 p. m., Mrs. Meyer Prince and artists.

WSOE, Milwaukee, Wis. (245.8m-1220kc), 7 p. m., Elks club studio; 9, Lakefront studio program.

WSUI, Iowa City, Iowa (483.6m-620kc), 8 p. m., University band.

Mountain Standard Time Stations

KOA, Denver, Colo. (322.4m-930kc), 9 p. m., Harmony Peerless orchestra.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Al Wesson's orchestra; 8-9, comic opera program; 9-10, popular program; 10-11, Packard Radio club; 11-2 a. m., KFI midnight frolic, Carey Wilson, master of ceremonies.

KFOA, Seattle, Wash. (454.3m-660kc), 8:15-9:30 p. m., all-artist studio program; 9:30-11, Jackie Souders and his Club Lido Serenaders.

KFWB, Hollywood, Calif. (252m-1190kc), 6:30-7:30 p. m., Pontiac Six dinner hour; 7:30-7:45, Little Ant Man; 8-9, program, Smith Investment company; 9-11, Warner Brothers frolic with Len Nash and his Country Boys.

KGO, Oakland, Calif. (361.2m-830kc), 8:10 p. m., Tupper and Reed program; Dorothy Crowell, violinist; Forrest Phillips, tenor; Mildred Johnson, violinist; Helen Crawford, pianist; 9-10, Alameda Sciots' band; 10-12:30 a. m., dance.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., concert; 10-12, Herman Kenin's dance orchestra.

KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., Children's hour with Uncle John; 8-10, Tower studio program.

KNX, Hollywood, Calif. (336.9m-890kc), 7:30-8 p. m., studio program; 8-9, Luna Park program; 9-10, feature program; 10-11, Cocoanut Grove dance orchestra; 11-2 a. m., KNX Hollywood Nite with the Filmland frolic.

KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7:20 p. m., States Restaurant orchestra; 8-12, Fairmont hotel dance orchestra; Maurice Gunsky, tenor; Merton Bories, pianist.

KPSN, Pasadena, Calif. (315.9m-950kc), 8-9 p. m., Star-News concert hour.

Sunday, June 6

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
8:15 p. m.	7:15	6:15	5:15	4:15

WEAF (491.5m-610kc), WGN, WSAI, WCAE, WGB, WJAR, WWJ, KSD, Allen McQuhae, tenor.

8:30	7:30	6:30	5:30	4:30

WBAL (245.8m-1220kc), Twilight musicale.
WFAA (475.9m-630kc), Mandolin and Guitar club.

9	8	7	6	5

CFCA (356.9m-840kc), Huntsville band.

9:45	8:45	7:45	6:45	5:45

WEAF (491.5m-610kc), "The Carnival at Seville," Radio play.

11:30	10:30	9:30	8:30	7:30

KPRC (296.9m-1010kc), McFarland-Cochran string trio.

12 m.	11	10	9	8

KHJ (405.2m-740kc), Orpheus Four.

Sunday, silent night for: CFAC, CHIC, CKAC, CKNC, CNRA, CNRC, CNRE, CNRM, CNRO, CNRR, CNRT, CNRV, CNRW, KFAB, KFAU, KFKX, KFOA, KFWA, KFXF, KLX, KMA, KMTR, KOAC, KOB, KOWW,

Sunday, June 6

KSAC, KSO, KUOA, KWSC, WABQ, WAHG, WAIU, WCAU, WDAF, WEAO, WEBJ, WEBW, WFI, WGBF, WGHB, WGHP, WHA, WHAS, WHAZ, WIP, WJAD, WJAZ, WJJD, WJR, WKAF, WKAR, WMAQ, WMAZ, WMC, WNYC, WOI, WOOD, WRC, WRVA, WSB, WSM, WTAM, WTIC.

Atlantic or Eastern Daylight Saving Time Stations

CFCA, Toronto, Can. (356.9m-840kc), 9 p. m., Huntsville band.

WBBR, New York, N. Y. (272.6m-1100kc), 10 a. m., violin viola duets; 2 p. m., Watchtower orchestra; Bible lecture; artists; 9, Bible talk.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 11 a. m., services, First Unitarian church; 5, recital; 5:15, Undenominational church services; 5:45, sermon, Rev. John W. Stockwell; 6:45, Clarence Seaman's Hotel Pennsylvania orchestra; 7:15, Cathay Tea Garden orchestra; 8:30, Barry O'Moore and Bonwit Teller ensemble; 9, Lester and F. A. North.

WEAF, New York, N. Y. (491.5m-610kc), 3-4 p. m., church service; 4-4:30, sacred music; 4:30-5:30, Federtion mixed quartet; 7:20-9:15, Capitol theater; 9:15-9:45, Atwater Kent Radio hour, Allen McQuhae, tenor; 9:45-10:15, "The Carnival at Seville."

WFI, Philadelphia, Pa. (394.5m-760kc), 7:30 p. m., services, Arch Street M. E. church.

WGBS, New York, N. Y. (315.6m-950kc), 9:30 p. m., music biography.

WGR, Buffalo, N. Y. (319m-940kc), 10:45 a. m., Westminister Presbyterian church; 7:45, Central Presbyterian church; 9:15, WEAF.

WHAR, Atlantic City, N. J. (275.1m-1090kc), 10:45 a. m., Chelsea Baptist church; 2:15 p. m., sacred recital, Seaside hotel trio; 7:50, Chelsea Baptist church; 9, with the classics, Seaside hotel ensemble.

WHN, New York, N. Y. (361.2m-830kc), 11:30 a. m., Calvary morning services; 12:30 p. m., Loew's Lexington organ recital; 2, Queens County Christian Endeavor program; 3, Radio Bible class; 5, Roseland dance orchestra; 7:30, Calvary evening services; 10:45, Janssen's Hofbrau; 12 midnight, Sophie Tucker's playground.

WIP, Philadelphia, Pa. (508.2m-590kc), 7:15 p. m., services, Holy Trinity church.

WJAR, Providence, R. I. (305.9m-980kc), 7:20 p. m., WEAF; 9:15, WEAF.

WJZ, New York, N. Y. (454.3m-660kc), 7 p. m., Park Avenue Baptist church Carillon; 7:20, Hotel Pennsylvania concert orchestra; 8, Bakelite hour; 9, Hotel Commodore concert orchestra, WGY; 10, Godfrey Ludlow, violinist, WGY.

WLIT, Philadelphia, Pa. (394.5m-760kc), 2 p. m., Arcadia cafe concert orchestra.

WLWL, New York, N. Y. (288.3m-1040kc), 8 p. m., Paulist choristers, sermon.

WMCA, New York, N. Y. (340.7m-880kc), 11 a. m., services, Christian Science church; 5:25 p. m., Halpert and Fryxell, Buch-A-Neers; 7, Ernie Golden and his Hotel McAlpin orchestra; 8:30, California Ramblers.

WOO, Philadelphia, Pa. (508.2m-590kc), 10:30 a. m., services, Bethany Presbyterian church; 2:30 p. m., musical exercises, Bethany Sunday school; 6, organ recital.

Eastern Standard or Central Daylight Saving Time Stations

WBAL, Baltimore, Md. (245.8m-1220kc), 7:30-8:30 WBAL, concert orchestra.

WBBM, Chicago, Ill. (225.4m-1330kc), 12:30-2 p. m., American music ensemble; 4-6, music; 12, Nutty club.

WCAP, Washington, D. C. (468.5m-640kc), 11 a. m., Vermont Avenue Christian church; 4 p. m., Peace Cross, Washington Cathedral; 6:20, WEAF; 8:15, WEAF.

WCBD, Zion, Ill. (344.6m-870kc), 9 p. m., celestial bells, mixed quartet; Mrs. R. M. Steel, soprano; William C. Dunn, euphonium soloist.

WEBH, Chicago, Ill. (370.2m-810kc), 10:40 a. m., Seventh Church of Christ, Scientist; 7-9, artists' program.

WGHP, Detroit, Mich. (270.1m-1110kc), 11 a. m., Grosse Pointe Memorial church.

WGN, Chicago, Ill. (302.8m-990kc), 6:45-7 p. m., musical program; 7-7:20, The Million Sing; 7:20-7:30, Old-Fashioned Almanack; 7:30-8, Curfew Capers; 8:15-8:45, WEAF; 8:45-9, music; 9-10, "Our Music Room"; 10-10:10, Sam 'n' Henry; 10:10-11, musical program.

WGY, Schenectady, N. Y. (379.5m-790kc), 10 a. m., Baccalaureate service; 3:30 p. m., Elmer A. Thompson, organ recital; 7-9:30, WJZ.

WHT, Chicago, Ill.. (399.8m-750kc), 1-11:30 p. m., Paul Rader.

WIBO, Chicago, Ill. (225.4m-1330kc) 10:15 a. m., First M. E. church of Evanston; 2-4 p. m., program, Uptown Conservatory of Music; 6-8, dinner concert, string trio; Helen Snyder, Eugene Wallenious, Robert Wessling; 10-12, popular program, artists.

WJAZ, Chicago, Ill. (329.5m-910kc), 7-9 p. m., classical program, the Spanish Garden studio.

WJR, Pontiac, Mich. (516.9m-580kc), 10:30 a. m., First Baptist church.

WLIB, Chicago, Ill. (302.8m-990kc), 5-6:15 p. m., Arabian Nights' entertainment.

WLS, Chicago, Ill. (344.6m-870kc), 10:45 a. m., U. of Chicago church service; 12:30-2 p. m., Ralph Emerson, organist; 7-8:55, WLS Little Brown church.

WLW, Cincinnati, Ohio (422.3m-710kc), 9:30 a. m., Sunday school, Editorial Staff of Sunday school publications; 10:45, Seventh Presbyterian church; 3, p. m., organ concert; 8:30, Crosley Evening orchestra; Christine Colley, violinist.

WMBB, Chicago, Ill. (249.9m-1200kc), 7:40-9 p. m., Fifth Church of Christ, Scientist; 9-11, Trianon orchestra; Woodlawn theater orchestra; Arvid Anderson, Preston Graves, Scotty Welch and Madison Sisters; popular program.

WOK, Chicago, Ill. (217.3m-1380kc), 6 p. m.,-1 a. m., Tearney's Town club orchestra; Midway Garden orchestra; Pershing Palace orchestra; Capitol theater musical program; ensemble; studio program.

WQJ, Chicago, Ill. (447.5m-670kc), 10 a. m., People's church; 3-4 p. m., Resurrection church choir; 8-10, Rainbo Gardens orchestra; Henry Weise, violinist; Herman J. Techentine and artists.

WSAI, Cincinnati, Ohio (325.9m-920kc), 11 a. m., Avondale Methodist Episcopal church; 7:45 p. m., chime concert, Robert Badgley; 8:15, WEAF.

WSWS, Chicago, Ill. (275.8m-1090kc), 11 a. m., Moody church; 3:30-5 p. m., afternoon popular service; 7-9:30, evening song service.

WTAM, Cleveland, Ohio (389.4m-770kc), 11 a. m., Baptist church; 3 p. m., WTAM concert orchestra; 7, Loew's theater orchestra; 8, twilight hour.

WWJ, Detroit, Mich. (352.7m-850kc), 11 a. m., St. Paul's Episcopal Cathedral; 2 p. m., News orchestra; 4, organ recital; 6:20, WEAF; 8:15, operatic stars.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 4-5 p. m., vesper service; 9-11, Sunday evening musicale.

KFNF, Shenandoah, Iowa (263m-1140kc), 10:45 a. m., M. E. church; 2:30 p. m., Golden Rule song service; 3, Swedish Mission church; 6:30, Golden Rule Circle; 8, Christian church.

KLDS, Independence, Mo. (440.9m-680kc), 11 a. m., studio service; 3 p. m., First Christian church; 6:30, Radio vesper service; 9:15, Stone church choir.

KMA, Shenandoah, Iowa (252m-1190kc), 8:30-9:30 a. m., Sunday morning sacred service; 12:15-1:15 p. m., sacred song service; 4-5, Mens' gospel team.

KMOX, St. Louis, Mo. (280.2m-1070kc), 8 p. m., The Principia, KFQA; 9, popular entertainment, Skouras Brothers' Sunday Night club.

KOIL, Council Bluffs, Iowa (277.6m-1080kc), 11 a. m., First Congregational church; 7:30, Al Reese and his Broadway orchestra; 11, Emma Bouge, pianist; Grace D. O'Brien, soprano; John T. Reagan, violinist; H. Arron Marko, tenor.

KPRC, Houston, Texas (296.9m-1010kc), 10:50 a. m., First Church of Christ, Scientist; 8, p. m., South End Christian church; 9:30, McFarland-Cochran string trio; Marjorie McFarland, violinist; Jean McFarland, cellist; Marie Herb Cochran, pianist; 11, Texan theater organ.

KSD, St. Louis, Mo. (545.1m-550kc), 5:15 p. m., WEAF.

KSO, Clarinda, Iowa (241.8m-1240kc), 10:50 a. m., church services.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 11 a. m., First Baptist church; 9 p. m., classic hour, Meyer Davis ensemble.

KVOO, Bristow, Okla. (374.8m-800kc), 12:30-7 p. m., pipe organ; Rev. Leeper and his twenty-piece string band; Laughton Family; Oklahoma Cowboy band; Cushing Military band; 7:30-9, Worship hour.

KYW, Chicago, Ill. (535.4m-560kc), 10 a. m., Central church; 6 p. m., Chicago Sunday Evening club; 8:30-10, classical concert.

WBAP, Fort Worth, Tex. (475.9m-630kc), 11 a. m., First Presbyterian church; 5-6 p. m., musical program; 9:30-11, Business and Professional Women's glee club.

WDAF, Kansas City, Mo. (365.6m-820kc), 3-4 p. m., program, Harry J. Kaufman string ensemble; 4-4:45, vespers.

WFAA, Dallas, Tex. (475.9m-630kc), 6-7 p. m., Radio Bible class; 7:15-8, Tom D. Collins and his stringed instrument orchestra; 8-9, First Baptist church; 11-12, Ligon Smith's orchestra.

WHAS, Louisville, Ky. (399.8m-750kc), 9:57 a. m., organ prelude; 10, Fourth Avenue Presbyterian church; 4:30-5:30 p. m., choral evensong service.

WHB, Kansas City, Mo. (365.6m-820kc), 9:45-10:45 a. m., Linwood Blvd. Christian church; 11:10-12:30 p. m., Independence Blvd. Christian church; 8-9, services; 11:15-1 a. m., Morrill Moore, organist; Don Anchors, poet.

WHO, Des Moines, Iowa (526m-570kc), 11 a. m., University church services; 4-5 p. m., special request program; 5-6, Bankers Life trio; Myrtle Williams, soprano; Stewart Watson, baritone; 7:30-8:30, Fourteenth Cavalry band; 11-12 midnight, Bankers Life Little symphonic orchestra.

WOAI, San Antonio, Tex. (394.5m-760kc), 11 a. m., First Presbyterian church; 7:45, Central Christian church.

WOAW, Omaha, Nebr. (526m-570kc), 9 a. m., Rev. R. R. Brown; 1:30 p. m., Father and Flanagan's Boys' home period; 9, chapel service.

WOC, Davenport, Iowa (483.6m-620kc), 1-2 p. m., Old Folks' Musical program, Palmer Little symphony; Paul Vipperman, tenor; 8-8:30, First Christian church of Davenport; 9:30-10:30, Palmer Little symphony.

WSB, Atlanta, Ga. (428.3m-700kc), 5 p. m., sacred concert; 7:30, Wesley Memorial Methodist church.

WSM, Nashville, Tenn. (282.8m-1060kc), 7:30 p. m., First Presbyterian church.

WSOE, Milwaukee, Wis. (245.8m-1220kc), 5 p. m., twilight concert; 7:30, M. E. church.

WSUI, Iowa City, Iowa (483.6m-620kc), 4 p. m., baccalaureate address, Rev. Dwight W. Wylie; 9, familiar hymns, Mrs. L. G. Lawyer.

Mountain Standard Time Stations

KOA, Denver, Colo. (322.4m-930kc), 11 a. m., First Baptist church; 6:30 p. m., KOA choristers; 7:45, First Baptist church.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-7:30 p. m., Grebe Synchrophase string ensemble; 7:30-8, Jim, Jack and Jean trio; 8-9, Aeolian organ; 9-10, Hollywood Californians dance orchestra; 10-11, Packard Six dance orchestra.

KFWB, Hollywood, Calif. (252m-1190kc), 9-11 p. m., Warner Brothers Sunday night movie frolic.

KGO, Oakland, Calif. (361.2m-830kc), 11 a. m., First Baptist church; 3:30 p. m., vesper service; 7:45, First Baptist church.

KGW, Portland, Ore. (491.5m-610kc), 10:45-12 noon, First Congregational church; 7:30-9 p. m., services, First Presbyterian church; 9-10, Chevrolet symphony orchestra.

KHJ, Los Angeles, Calif. (405.2m-740kc), 7-8 p. m., First Methodist Episcopal church; 8-10, Artland club program, featuring Orpheus Four.

KNX, Hollywood, Calif. (336.9m-890kc), 7-8 p. m., Carli Elinor's Circle theater concert orchestra; 8-9, First Presbyterian church of Hollywood; 9-10:30, program, Beverly Hills Nurseries.

KPSN, Pasadena, Calif. (315.9m-950kc), 10:30 a. m., United Church Brotherhoods; 10:50, Pasadena Presbyterian church; 8:45 p. m., Maryland artists' ensemble.

KTAB, Oakland, Calif. (239.9m-1250kc), 9:45 a. m., Bible lecture; 11, service; 7:45 p. m., church service; 9:30-11, after-service concert.

Monday, June 7

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
8 p. m.	7	6	5	4

CHYC (410.7m-730kc), Kiwanis meeting.
KFRU (374.8m-800kc), Oklahoma's Sweetheart of the Air.

9	8	7	6	5

WCOA (222m-1350kc), Silva's Jazzmaniacs.

9:30	8:30	7:30	6:30	5:30

KOIL (278m-1080kc), Candy Men.

10	9	8	7	6

KFNF (263m-1140kc), Lester Smith Harmony hour.

10:45	9:45	8:45	7:45	6:45

WLWL (288.3m-1040kc), St. Cecelia ensemble.

11	10	9	8	7

WOOD (241.8m-1240kc), Sacred concert.

11:02	10:02	9:02	8:02	7:02

WAHG (315.6m-950kc), Ferrucci's Radio Raiders.

1 a. m.	12 m.	11	10	9

WBAP (475.9m-630kc), Harmonica and ukulele contest.

Monday, silent night for: CKAC, CNRA, CNRC, CNRE, CNRM, CNRO, CNRR, CNRT, CNRV, CNRW, KFAU, KFMX, KFWA, KHJ, KPSN, KSAC, KYW, WBBM, WCBD, WEAO, WEBH, WEBJ, WEBW, WENR, WGBF, WGBS, WGES, WGN, WHAS, WHT, WIBO, WIP, WJAZ, WJJD, WLIB, WLS, WMAQ, WMBB, WOAI, WOC, WOK, WORD, WQJ, WRC.

Atlantic or Eastern Daylight Saving Time Stations

CKNC, Toronto, Can. (356.9m-840kc), 9 p. m., CKNC chamber orchestra; Eveready male quartet.

WAHG, Richmond Hill, N. Y. (315.6m-950kc), 7:30 p. m., Walter Iooss, novelty pianist; 8, Synchrophase hour; 9, Major Dent Atkinson; 9:15, studio program; 10, John and Harry Diehl, piano and zither; 10:20, Ferrucci's Radio Raiders; 11:02, Ferrucci's Radio Raiders; 12 midnight, Frank Tremer's Orionites.

WBBR, New York, N. Y. (272.6m-1100kc), 8 p. m., Irene Kleinpeter, soprano; 8:20, vocal duet.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:15 p. m., scores; 7:30, N. Snellenburg and company, recital; 8, Carolyn Thomas, soprano; 8:30, Hood Boys; 8:45, Kathryn Fitchthorne, contralto; 9, The Merry Minstrels; 9:30, recital; 9:45, Chalfont sisters, harmony songs; 10:10, Jackson and Ellis, Radio Sweethearts; 10:30, Myers Musical Architects.

WEAF, New York, N. Y. (491.5m-610kc), 4-12 midnight, Blanche Krafft Fink, soprano; Beatrice Nover, reader; dinner music; Virginia Richards, soprano; Angelus quartet; A. and P. Gypsies; "Tales of Hoffman," grand opera; Ben Bernie and his orchestra.

WEEI, Boston, Mass. (348.6m-860kc), 7:30 p. m., musicale; 8:15, Varsity Tire entertainers; 8:45, musicale; 9, WEAF; 10, Ed Andrews and his Nautical Gardens orchestra.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra.

WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., Knell's Tokio dance orchestra; 8, Mrs. Suzanne Steele, reader; 9, Jackson glee club; 10, two-piano recital, Ruth Spaeth, Helen Maxwell; 10:30, Tom and Betty Thomas, popular program; 11, Vincent Lopez Hotel Statler dance orchestra.

WHAR, Atlantic City, N. J. (275.1m-1090kc), 8 p. m., Seaside hotel trio; 11, Follies Bergere dance orchestra.

WHN, New York, N. Y. (361.2m-830kc), 6:30 p. m., WHN movie club; 8, Roseland dance orchestra; 8:30, George's surprise; 9, Leverich Three and "Peter the Great"; 9:30, Loew's New York orchestra; 10, Palisades Amusement Park orchestra; 10:30, Leroy Smith's orchestra; 11, Cotton club orchestra; 11:30, Club Alabam orchestra; 12, Silver Slipper orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 7, Uncle Wip's bedtime stories.

WJAR, Providence, R. I. (305.9m-980kc), 7:45 p. m., musicale; 9, WEAF; 10, WEAF.

WJZ, New York, N. Y. (454.3m-660kc), 7 p. m., Hotel Madison dinner concert; 7:55, John B. Kennedy; 8, Astor Coffee orchestra; 9, Reading Seashore band; 10, Moorland hour; 10:45, Harry Leonard's Waldorf-Astoria theater.

WLIT, Philadelphia, Pa. (394.5m-760kc), 7:30 p. m., Dream Daddy's bedtime stories; 8, recital; 9, Stanley hour of Music; 10, Arcadia cafe dance orchestra; 10:45, Arcadia cafe dance orchestra; 10:45, El Patio dance orchestra.

WLWL, New York, N. Y. (288.3m-1040kc), 8:30 p. m., program; 9:30, Schickerling concert; 10, study club; 10:35, St. Cecelia ensemble.

WMCA, New York, N. Y. (340.7m-880kc), 6:30 p. m., Ernie Golden and his Hotel McAlpin orchestra; 9:15, Hardman hour of music; 10:15, McAlpin news editor; 12 mid., McAlpin entertainers.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Ritz Carlton dinner dance orchestra; 8, talk; 8:10, organ recital, Mary E. Vogt; 9, WEAF; 10, WEAF; 11, Adelphia dance orchestra.

WOR, Newark, N. J. (405.2m-740kc), 6:30 p. m., Jacques Jacobs' Hotel Shelton ensemble; 7:30, Copenhagen quartet; 8:45, Klein's Serenading Shoemakers; 11, Five Messner Brothers.

Eastern Standard or Central Daylight Saving Time Stations

WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., WBAL dinner orchestra; 7:30-8, Sandman circle; 8-10, concert program; 10-11, WBAL ensemble.

WBBM, Chicago, Ill. (225.4m-1330kc), 8-12 midnight, Moss Covered melodies; Howard Osborne's vanity fair orchestra; Matched-Unit quartet.

WCAP, Washington, D. C. (468.5m-640kc), 6:30-7 p. m., studio program; 8-10, WEAF.

WGHB, Clearwater, Fla. (265.3m-1130kc), 8:30-10 p. m., Mrs. Carl Stevens, Ticket Holmes.

WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert; 8, Little symphony orchestra; Leona Mitchell, soprano; T. Stanley Perry, tenor; 8:30-9:30, Famous Composer's hour; 9:30-10, Little symphony orchestra; 12-1 a. m., Gerald Marks' orchestra.

WGY, Schenectady, N. Y. (379.5m-790kc), 5:30 p. m., Hotel Van Curler orchestra; 6:30, WGY orchestra; C. Cunningham, baritone; 8, WGY orchestra.

WHAZ, Troy, N. Y. (379.5m-790kc), 8:30 p. m., Emma Willard School conservatory of music; 9:45, dance orchestra.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Jean

FARMERS' PROGRAMS INDEX

Farmer Dinner Concerts

Daily Except Sunday

CENTRAL TIME

KFNF, 12:15-1:35 p. m.
KMA, 11:30-12:30
KSO, 12:30-1:30 p. m.

Tuesday, June 1

Atlantic	Eastern	Central	Mountain	Pacific
1 p. m.	12 n.	11	10	9

WRC (468.5m-640kc), Fifty Farm flashes.
2:35 | 1:35 | 12:35 | 11:35 | 10:45
KSAC (340.7m-880kc), "Forage Crops." "An Adequate Diet for Growing Pullets."
2:45 | 1:45 | 12:45 | 11:45 | 10:45
WMAQ (447.5m-670kc), Radio farm school.
WOI (270m-1110kc), "Animal Husbandry."
9:33 | 8:33 | 7:33 | 6:33 | 5:33
KYW (535.4m-560kc), American Farm Bureau Federation.
10:30 | 9:30 | 8:30 | 7:30 | 6:30
KOA (322.4m-930kc), Farm question box.

Wednesday, June 2

Atlantic	Eastern	Central	Mountain	Pacific
1 p. m.	12 n.	11	10	9

WRC (468.5m-640kc), Fifty Farm Flashes.
2:30 | 1:30 | 12:30 | 11:30 | 10:30
WFAA (475.9m-630kc), Sears-Roebuck Agricultural program.
2:35 | 1:35 | 12:35 | 11:35 | 10:35
KSAC (340.7m-880kc), "Grain on Pasture."
2:45 | 1:45 | 12:45 | 11:45 | 10:45
WMAQ (447.5m-670kc), Radio farm school.
WOI (270m-1110kc), Poultry husbandry.
9 | 8 | 7 | 6 | 5
WOS (440.9m-680kc), Evening market hour, poultry questions and answers.
11:30 | 10:30 | 9:30 | 8:30 | 7:30
KWSC (348.6m-860kc), "The Barberry and Wheat Rust and Why the Inland Empire is a Great Wheat Country." "June Farm Situation."

Thursday, June 3

Atlantic	Eastern	Central	Mountain	Pacific
1 p. m.	12 n.	11	10	9

WRC (468.5m-640kc), Fifty farm flashes.
2:35 | 1:35 | 12:35 | 11:35 | 10:35
KSAC (340.7m-880kc), "Signs and Fallacies." "Keep the Garden Producing."
2:45 | 1:45 | 12:45 | 11:45 | 10:45
WMAQ (447.5m-670kc), Radio farm school.
WOI (270m-1110kc), Farm crops.
9:30 | 8:30 | 7:30 | 6:30 | 5:30
WOI (270m-1110kc), "Better Pasture for Crop Roots." "Opportunities for Young Men in the Veterinary Division."
9:33 | 8:33 | 7:33 | 6:33 | 5:33
KYW (535.4m-560kc), American Farm bureau.
10:30 | 9:30 | 8:30 | 7:30 | 6:30
KOA (322.4m-930kc), Farm question box.

Friday, June 4

Atlantic	Eastern	Central	Mountain	Pacific
1 p. m.	12 n.	11	10	9

WRC (468.5m-640kc), Fifty farm flashes.
2:35 | 1:35 | 12:35 | 11:35 | 10:35
KSAC (340.7m-880kc), "Sorghum Catch Crops." "Check Up on Jack Rabbit."
2:45 | 1:45 | 12:45 | 11:45 | 10:45
WOI (270m-1110kc), Agricultural Economics.
WOS (440.9m-680kc), Evening Market hour, Dairy questions and answers.
9:15 | 8:15 | 7:15 | 6:15 | 5:15
KSO (242m-1240kc), Farm talk.
9:45 | 8:45 | 7:45 | 6:45 | 5:45
WCCO (416.4m-720kc), Farm lecture.

Saturday, June 5

Atlantic	Eastern	Central	Mountain	Pacific
2 p. m.	1	12 n.	11	10

KPRC (296.9m-1010kc), Farmers' educational and musical program.
2:45 | 1:45 | 12:45 | 11:45 | 10:45
WOI (270m-1110kc), Soils, questions and answers.
9 | 8 | 7 | 6 | 5
KDKA (309.1m-970kc), Farm program.

Sunday, June 6

Atlantic	Eastern	Central	Mountain	Pacific
4:30 p. m.	3:30	2:30	1:30	12:30

WFAA (475.9m-630kc), Sunday hour for farmers.

Monday, June 7

Atlantic	Eastern	Central	Mountain	Pacific
1 p. m.	12 n.	11	10	9

WRC (468.5m-640kc), Fifty Farm flashes.
2:35 | 1:35 | 12:35 | 11:35 | 10:35
KSAC (340.7m-880kc), "Summer Management of Sheep." "Good and Bad Hawks."
2:45 | 1:45 | 12:45 | 11:45 | 10:45
WMAQ (447.5m-670kc), Radio farm school.
8:15 | 7:15 | 6:15 | 5:15 | 4:15
WGY (379.5m-790kc), Agricultural program.
9 | 8 | 7 | 6 | 5
WOS (440.9m-680kc), Livestock questions and answers.
9:30 | 8:30 | 7:30 | 6:30 | 5:30
KUOA (299.8m-1000kc), Farm Filosofy, Cy Adams. "Summer Care of Hogs." "Cooling of Milk and Cream on the Farm." "Control Measures for Blister Beetles." "Why We Conducted Our Poultry Tour."
WMC (499.7m-600kc), Farm talk.
WOI (270m-1110kc), Horticultural Short Course lecture.
9:45 | 8:45 | 7:45 | 6:45 | 5:45
WCCO (416.4m-720kc), Farm lecture.
11:30 | 10:30 | 9:30 | 8:30 | 7:30
KOAC (280.2m-1070kc), Market news.
KWSC (348.6m-860), "Summer Work for the Beekeeper."
11:45 | 10:45 | 9:45 | 8:45 | 7:45
KOAC (280.2m-1070kc), June 7, "The Green Feed Problem for Poultry."

Atlantic	Eastern	Central	Mountain	Pacific
12:05a.m.	11:05	10:05	9:05	8:05

KGO (361.2m-830kc), Agricultural Outlook.

Tuesday, June 8

Atlantic	Eastern	Central	Mountain	Pacific
1 p. m.	12 n.	11	10	9

WRC (468.5m-640kc), Fifty farm flashes.
2:35 | 1:35 | 12:35 | 11:35 | 10:35
KSAC (340.7m-880kc), "Timely Topics of Spraying."
2:45 | 1:45 | 12:45 | 11:45 | 10:45
WMAQ (447.5m-670kc), Radio farm school.
WOI (270m-1110kc), "Animal Husbandry."
9:33 | 8:33 | 7:33 | 6:33 | 5:33
KYW (535.4m-560kc), American Farm Bureau Federation.
10:30 | 9:30 | 8:30 | 7:30 | 6:30
KOA (322.4m-930kc), Farm question box.

Wednesday, June 9

Atlantic	Eastern	Central	Mountain	Pacific
1 p. m.	12 n.	11	10	9

WRC (468.5m-640kc), Fifty farm flashes.
2:30 | 1:30 | 12:30 | 11:30 | 10:30
WFAA (475.9m-630kc), Sears-Roebuck Agricultural program.
2:35 | 1:35 | 12:35 | 11:35 | 10:35
KSAC (340.7m-880kc), "How Much Feed Do Your Hens Eat?" "How Much Is Wheat Smut Costing You?"
2:45 | 1:45 | 12:45 | 11:45 | 10:45
WMAQ (447.5m-670kc), Radio farm school.
WOI (270m-1110kc), Poultry husbandry.
9 | 8 | 7 | 6 | 5
WOS (440.9m-680kc), Evening market hour, poultry questions and answers.
1 a. m. | 12 m. | 11 | 10 | 9
KWSC (348.6m-860kc), "Contributions of Science to the Dairy Industry." "Drainage and Soil Tilth."

Thursday, June 10

Atlantic	Eastern	Central	Mountain	Pacific
1 p. m.	12 n.	11	10	9

WRC (468.5m-640kc), Fifty farm flashes.
2:15 | 1:15 | 12:15 | 11:15 | 10:15
WMAQ (447.5m-670kc), Radio farm school.
WOI (270m-1110kc), Farm crops.
2:35 | 1:35 | 12:35 | 11:35 | 10:35
KSAC (340.7m-880kc), "When Should Winter Feeds Be Bought?"
9:30 | 8:30 | 7:30 | 6:30 | 5:30
WOI (270m-1110kc), Talk.
9:33 | 8:33 | 7:33 | 6:33 | 5:33
KYW (535.4m-560kc), American Farm bureau.
10:30 | 9:30 | 8:30 | 7:30 | 6:30
KOA (322.4m-930kc), Farm question box.

Friday, June 11

Atlantic	Eastern	Central	Mountain	Pacific
1 p. m.	12 n.	11	10	9

WRC (468.5m-640kc), Fifty farm flashes.
2:35 | 1:35 | 12:35 | 11:35 | 10:35
KSAC (340.7m-880kc), Harvest Problems. "The Annual Migration."
2:45 | 1:45 | 12:45 | 11:45 | 10:45
WOI (270m-1110kc), Agricultural Economics.

Atlantic	Eastern	Central	Mountain	Pacific
9 p. m.	8	7	6	5

WOS (440.9m-680kc), Evening Market hour. Dairy questions and answers.
9:15 | 8:15 | 7:15 | 6:15 | 5:15
KSO (242m-1240kc), Farm talk.
9:30 | 8:30 | 7:30 | 6:30 | 5:30
WOC (483.6m-620kc), Question box.

Saturday, June 12

Atlantic	Eastern	Central	Mountain	Pacific
2 p. m.	1	12 n.	11	10

KPRC (296.9m-1010kc), Farmers' educational and musical program.
2:45 | 1:45 | 12:45 | 11:45 | 10:45
WOI (270.m-1110kc), Soils, questions and answers.
9 | 8 | 7 | 6 | 5
KDKA (309.1m-970kc), Farm program.

Sunday, June 13

Atlantic	Eastern	Central	Mountain	Pacific
4:30 p.m.	3:30	2:30	1:30	12:30

WFAA (475.9m-630kc), Sunday hour for farmers.

Monday, June 14

Atlantic	Eastern	Central	Mountain	Pacific
1 p. m.	12 n.	11	10	9

WRC (468.5m-640kc), Fifty Farm flashes.
2:15 | 1:15 | 12:15 | 11:15 | 10:15
WOC (483.6m-620kc), Talk.
2:35 | 1:35 | 12:35 | 11:35 | 10:35
KSAC (340.7m-880kc), "Pruning Tomatoes." "First Things First in Agriculture."
2:45 | 1:45 | 12:45 | 11:45 | 10:45
WOI (270m-1110kc), Talk.
WMAQ (447.5m-670kc), Radio farm school.
8:15 | 7:15 | 6:15 | 5:15 | 4:15
WGY (379.5m-790kc), Agricultural program.
9 | 8 | 7 | 6 | 5
WOS (440.9m-680kc), Livestock questions and answers.
9:30 | 8:30 | 7:30 | 6:30 | 5:30
KUOA (299.8m-1000kc), Farm Filosofy, Cy Adams. "Feeding Cows on Short Pasture." "Radio on the Farm." "Union County Poultry Program."
WMC (499.7m-600kc), Farm talk.
WOI (270m-1110kc), Horticultural Short Course lecture.
9:45 | 8:45 | 7:45 | 6:45 | 5:45
WCCO (416.4m-720kc), Farm lecture.
10:30 | 9:30 | 8:30 | 7:30 | 6:30
KOB (348.6m-860kc), Talk.
11:30 | 10:30 | 9:30 | 8:30 | 7:30
KOAC (280.2m-1070kc), Market news.
11:45 | 10:45 | 9:45 | 8:45 | 7:45
KOAC (280.2m-1070kc), "Managing Pullets on the Range."
12:05 a. m. | 11:05 | 10:05 | 9:05 | 8:05
KGO (361.2m-830kc), Agricultural Outlook.
12:15 | 11:15 | 10:15 | 9:15 | 8:15
KOAC (280.2m-1070kc), "Water Power Development from Farm Streams."
1:15 | 12:15 | 11:15 | 10:15 | 9:15
KWSC (348.6m-860kc), "Roadside Markets for Horticultural Products."

Monday, June 7

Goldkette's Petite symphony orchestra; 7:15, Casper Lingeman; 9, entertainment; 11:30, Jesters.

WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., Hotel Gibson orchestra; 7:30, theatrical feature; 7:40, Hotel Gibson concert; 8, Crosley Salon orchestra.

WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9-10 p. m., Charles F. H. Mills music studios, WOOD ensemble; 10-11, Second Street Methodist choir; 11-12, Wooly Wood Workers club.

WRVA, Richmond, Va. (256.3m-1170kc), 8:45 p. m., orchestra, soloists; 10:15, piano recital; 10:30, Hotel Richmond Roof Garden orchestra; 11:30, Carry Me Back to Old Virginny.

WSAI, Cincinnati, Ohio (325.9m-920kc), 11 a. m.-4:30 p. m., (June 8). Dedication program, third anniversary; 8-10, WEAF.

WTAM, Cleveland, Ohio (389.4m-770kc), 6 p. m., Hollenden hotel orchestra; 8, Willard symphony; 9, studio program; 10, Willard symphony.

WTIC, Hartford, Conn. (475.9m-630kc), 7:30 p. m., Capitol theater orchestra; 8, Martin and Storen, accordionists; Dagmar Potholm, reader; 8:30, Emil Heimberger's Hotel Bond dance orchestra; 9, Grand opera; 10, Travelers symphonic ensemble.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., dinner concert; 8:30-10:30, Buick Master Six orchestra.

KFKX, Hastings, Nebr. (288.3m-1040kc), 9-11 p. m., open date.

KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., Lester Smith Harmony orchestra.

KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., dinner time recital, Mrs. Jacque Landree, organist; 8, Dixie Four quartet, orchestra, light opera selections; 9, "The Scarlet Letter," novel; 10, Music Lovers' hour; 11, Rendezvous club.

KOIL, Council Bluffs, Iowa (277.6m-1080kc), 6:03 p. m., Jamieson Oil duo; 6:30, Merry Makers, Purple and Gold orchestra; 7:30, The Candy Men; Candy Kids; Barnyard Twins; 10-11, Charlestonians.

KPRC, Houston, Texas (296.9m-1010kc), 7:30 p. m., Ruth Paterson, soprano; Mrs. Jeannette Paterson, accompanist; 7:45, Records' Ramblers dance orchestra; 8:30, Dr. Earle J. Shay, tenor; A. M. Martin, pianist; 9:15, Horace Clark, pianist; 9:30, Margaret Britton, lyric coloratura; Mary Louise Britton, accompanist.

KSD, St. Louis, Mo. (545.1m-550kc), 8 p. m., WEAF.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10 p. m., Famous ballads, New Arlington hotel stringed quartet; 10-10:45, Ray Mullins orchestra.

KUOA, Fayetteville, Ark. (299.8m-1000kc), 8 p. m., Alberta Stone, soprano.

KVOO, Bristow, Okla. (374.8m-800kc), 6-9 p. m., Mrs. J. C. Weaver, "Oklahoma's Sweetheart of the Air."

WBAP, Fort Worth, Tex. (475.9m-630kc), 7:30-8:30 p. m., concert, Ray Dunaway, director; 9:30-11, employes, Fort Worth National bank; 11, Star-Telegram harmonica and ukulele contest.

WCOA, Pensacola, Fla. (222m-1350kc), 7 p. m., 13th Coast Artillery band; Clara Frenkel, vocalist; Mt. Olive Jubilee singers; WCOA string quartet.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., Trianon ensemble; 8-9, Ivanhoe band; 9-10, Star's Radio orchestra; 11:45-1 a. m., Ted Weems' Victor Recording orchestra; Ted Meyn, organist; Earl Coleman's orchestra.

WFAA, Dallas, Tex. (475.9m-630kc), 6:30-7:30 p. m., Ford's Texas Trumpeters; 8:30-9:30, Sears-Roebuck agricultural foundation program.

WGBF, Evansville, Ind. (236.1m-1270kc), 7 p. m., musical program; 8, Bucyrus saxophone band.

WHB, Kansas City, Mo. (365.6m-820kc), 7-8 p. m., popular music, Sweeney Radio orchestra.

WHO, Des Moines, Iowa (526m-570kc), 7:30-7:50 p. m., program, Prof. Paul Stoye; 7:50-9, Mrs. Fred Marshall, soprano; Prof. Joseph Gifford; 11-12 midnight, organ recital, L. Carlos Meier.

WOAI, San Antonio, Tex. (394.5m-760kc), 8:30 p. m., Sunshine Laundry orchestra.

WOAW, Omaha, Nebr. (526m-570kc), 6:20 p. m., Frank Peterson, tenor; Helen Higgins, pianist; 6:50, Randall's Royal Fontenelle orchestra; 9, classical.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., concert; 10:45, concert.

WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., Beasley Smith's orchestra; 8:15, piano recital, Elizabeth Price; 10, Vito Pellettieri and his orchestra.

WSMB, New Orleans, La. (319m-940kc), 8:30 p. m., Dixola Novelty orchestra; Strand theater concert orchestra; St. Charles theater orchestra.

WSOE, Milwaukee, Wis. (245.8m-1220kc), 9 p. m., Candygram frolic.

WSUI, Iowa City, Iowa (483.6m-620kc), 9 a. m., commencement exercises; 12:30 p. m., "The Principle of Self Government," Benjamin F. Shambaugh; 8, readings, Speech department.

Mountain Standard Time Stations

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra; 8, Negro program; KOA orchestra.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Owen Fallon's Californians; 8-9, popular program; 9-10, program, Walter M. Murphy Motors company, KFI and KPO; 10-11, program, arranged by Meiklejohn Brothers.

KFOA, Seattle, Wash. (454.3m-660kc), 6:45-8:15 p. m., studio program; 8:30-10, Goodrich Silvertown Cord orchestra.

KFWB, Hollywood, Calif. (252m-1190kc), 6:30-7:30 p. m., Pontiac Six dinner hour; 7:40-8:10, program, Dr. Ralph Mitchell and Associated Dentists; 8:10-9:10, program, Corduroy Tire Stores, Inc.; 9:10-10:10, program, Eureka Vacuum Cleaner company; 10:10-11, Warner Brothers frolic.

KGO, Oakland, Calif. (361.2m-830kc), 6 p. m., dinner concert; 9:15, "The Art of Yodeling," Ernest Custer, Arion trio.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-9, vaudeville entertainment; 9:15-12, Cole McElroy's dance orchestra.

KNX, Hollywood, Calif. (336.9m-890kc), 7-7:30 p. m., Mutual Motors Mirth contest; 7:30-8, program, Overells; 8-9, program, L. W. Stockwell company; 9-10, Stephens minstrel show; 10-11, Goodrich Silvertown Cord dance orchestra; 11-12 midnight, Cocoanut Grove dance orchestra.

KTAB, Oakland, Calif. (239.9m-1250kc), 8-10 p. m., studio program.

KWSC, Pullman, Wash. (348.6m-860kc), 8-9:30 p. m., Donald Olson, saxophonist; Jerry Satola, violinist; Dorothy Hutchison, vocalist.

Tuesday, June 8

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
9 p. m.	8	7	6	5

WMAQ (147.5m-670kc), Book review, Keith Preston.

WCAU (277.6m-1080kc), Kuehnle's artists.

9:30	8:30	7:30	6:30	5:30

WIP (508.2m-590kc), 114th Infantry concert.

10	9	8	7	6

WGBF (236.1m-1270kc), Bycyrus saxophone band.

WGN (302.8m-990kc), "In a Gondola."

10:30	9:30	8:30	7:30	6:30

WOAI (394.5m-760kc), Gerbhardt Mexican players.

11	10	9	8	7

KPRC (296.9m-1010kc), Arabia Temple band.

WOOD (241.8m-1240kc), Ford's old time dance.

11:10	10:10	9:10	8:10	7:10

KTHS (374.8m-800kc), French harp tunes, William Hinton.

12 m.	11	10	9	8

WTAM (389.4m-770kc), Collegian serenaders.

For stations silent tonight refer to first Tuesday's list.

Atlantic or Eastern Daylight Saving Time Stations

WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:30 p. m., Parodians dance orchestra; 7:30, Snellenburg Choral ries; 8:15, American Legion night; 9:15, Dorothy Kroll Arnow, pianist; 9:30, 114th Infantry concert; 10:30, El Patio dance orchestra.

WJAR, Providence, R. I. (305.9m-980kc), 8-10 p. m., WEAF.

WJZ, New York, N. Y. (454.3m-660kc), 7 p. m., Frank Dole; 7:15, Hotel Commodore concert orchestra; 8:30, Deltah Pearl hour; 9, Breyer hour; 10, "The Grand Tour"; 10:40, George Olsen's Hotel Pennsylvania Roof orchestra.

WLWL, New York, N. Y. (288.3m-1040kc), 9 p. m., program; 10, "Timely Topics," Rev. James M. Gillis, C.S.P.; 10:30, talk by the Commonweal.

WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Olcott Vail and his Hotel McAlpin string ensemble; 7, Hofbrau Haus entertainers; 8:30, California Ramblers; 9:30, Columbia Park entertainers; 10:15, McAlpin news editor; 11, Ernie Golden and his Hotel McAlpin orchestra; 12, McAlpin entertainers.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Adelphia dinner dance orchestra.

WOR, Newark, N. J. (405.2m-740kc), 6:40 p. m., Hotel Bretton Hall string quartet.

Eastern Standard or Central Daylight Saving Time Stations

WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., dinner program; 8-9, staff concert; Hilda Burke, soprano; Celia Brace, violinist; George Bolek, pianist; 9-10, WBAL trio; Albert Newcomb, tenor; 10-10:30, male quartet; 10:30-11, organ program, Frederick Weaver, organist.

WCBD, Zion, Ill. (344.6m-870kc), 9 p. m., mixed quartet; Mrs. Ruth Pihl, soprano; Ralph Bull, tenor; Carl Newcomer, saxophonist; John D. Thomas, baritone; Alexander DePew, flutist.

WEBH, Chicago, Ill. (370.2m-810kc), 7-8 p. m., Edgewater Beach Hotel Oriole orchestra; Kathryn Forbes; Lydia Lochner; 9:10-10, Uptown theater; 11-12:30 a. m., Gail Bandell; Syncopating Serenaders.

WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert; 8:15-10, Skylark dance band; Gladys Sanderson and her uke; John Dickinson, baritone; Marvelle Pavette, soprano; 12-1 a. m., Gerald Marks' dance orchestra.

WGN, Chicago, Ill. (302.8m-990kc), 6:45-7:15 p. m., Blackstone string quintet, Drake concert ensemble; 8-9, WEAF; 9-10, "In a Gondola"; 10-10:10, Sam 'n' Henry; 10:10-11, musical program, ensemble.

WGY, Schenectady, N. Y. (379.5m-790kc), 5:30 p. m., Hotel Van Curler orchestra; 6:45, musical program; 7:30, WJZ; 8, musical program; 9-9:30, WJZ.

WHT, Chicago, Ill. (399.8m-750kc), 7:10 p. m., Al Carney, organist; 7:50, Loftis Diamond quartet; 10:15, (258m-1260kc), Cinderella cafe orchestra; 10:50 (399.8m-750kc), Pat Barnes and Al Carney; 11:10, U. S. L. half hour of dance music; 12, Your hour league.

WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., dinner concert; WIBO string trio; Chester Neumann, baritone; Agnes Buehli, soprano; Charlotte Edwards, contralto; 12, jamboree; Ted Florito, pianist; Dan Russo, violinist; Marie Tully, songs; Wayne Myers, monologist, artists.

WJAZ, Chicago, Ill. (329.5m-910kc), 9-12 midnight, Earl Hoffman's Chez Pierre orchestra; the Quips that Pass in the Night; William Hayden, tenor; Henrietta Nolan, violinist; Francis Rosemary Scheib, soprano.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Glover Watson, old-time dance orchestra; 8, Tom Bartel's Boys, 9, Jean Goldkette's orchestra.

WLIB, Chicago, Ill. (302.8m-990kc), 7:15-7:30 p. m., dinner music; 7:30-8, WEAF; 11-11:20, Correll and Gosden; 11:20-1 a. m., Liberty studio ensemble; Ambrose Larsen, organist; Tommy Thatcher's Drake hotel dance orchestra; Fred Hamm's Purple Grackle orchestra.

WLS, Chicago, Ill. (344.6m-870kc), 7 p. m., lullaby time; 7:15, "Minuet," Prof. Davis Edwards; 7:30, Ralph Emerson, organist; 8, Sherwood school.

WLW, Cincinnati, Ohio (422.3m-710kc), 6:30 p. m., "Piano Memories," Mary Louise Woscezek; 6:50, special program, Hotel Gibson Roof Garden. Fourth Annual Convention and Banquet of Distributors of Crosley Radios and Musicones; 7, Robert Visconti's Hotel Gibson orchestra; 8, vaudeville hour, featuring the following artists; Norrine Gibbons, Priscilla Holbrook; Larry Grueter, piano-accordian, the Latonia Melody Boys, Carol Burdicks, Elmer Brennan, Clifford Lang, pianist; 9, Formica symphony orchestra; 10, old-time review, Crosley Burnt Corkers.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Hotel LaSalle orchestra; 9:20, musical program, chimes.

WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon ensemble; Hilda Hinrichs, cellist; Margaret Conrad, violinist; Preston Graves, pianist; Genevieve Burnham, operatic soprano; Wellington Forbes, tenor; operatic program; 9-11, Trianon orchestra; Woodlawn theater orchestra; Oxford Girls, Harmony duo, Joe Warner; Nora Norraine and Lou Sievers, popular program.

WOK, Chicago, Ill. (217.3m-1380kc), 4:30-7 p. m., Capitol theater organ; tenor; string ensemble; 10-1:30 a. m., Tearney's Town club orchestra; Pershing Palace orchestra; Midway Garden orchestra; Capitol theater program, studio program.

WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9-10 p. m., Ye Olde Tyme Songe Feste; Regent Little symphony orchestra; 10-11, Henry Ford Old Tyme dance; LaPard Brothers orchestra; George Bandfield, Cyrus Jasperse, Four Mylers.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Gardens orchestra; Marjorie Wothington, soprano; Sheppard Levine, tenor; 10-2 a. m., Jerry Sullivan; Happy Harry; Bert Davis; Romo Vincent; Nubs Allen; Johnny Poat.

WSAI, Cincinnati, Ohio (325.9m-920kc), 7 p. m., WEAF; 7:30, musical program; 8, WEAF; 9, musical program.

WSWS, Chicago, Ill. (275.8m-1090kc), 6 p. m., Zola Haynes, pianist; Vesta Balch, ballads; 8, Jean St. Anne, baritone; Terrace Gardens orchestra; Alice Oliver, violinist; 10, Cook Sisters; Terrace Gardens; John Clark, Art Billquist; Ruby Rossina.

WTAM, Cleveland, Ohio (389.4m-770kc), 6 p. m., State theater vaudeville; 7-10, WEAF; 10, studio program; 11, Collegian serenaders.

WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7, WEAF.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., Little symphony; 8:05-10:30, program, U. of Nebraska.

KLDS, Independence, Mo. (440.9m-680kc), 8 p. m., studio program.

KMA, Shenandoah, Iowa (252m-1190kc), 9-11 p. m., May's Mandolin Musicians.

KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., dinner recital, Mrs. Jacque Landree, organist; 8, Cotton Pickers; Ed Goessling, baritone; orchestra, light opera; 9, Marguerite Schmidt, pianist; David Bittner, violinist; 9:30, Gordon Morrison, guitarist; 11, Rendezvous club.

KOIL, Council Bluffs, Iowa (277.6m-1080kc), 6:03 p. m., John A. Gentleman music hour, Marie Salisbury, violinist; Olivetta Salisbury, pianist; Kathryn Skinner, cellist; 7:30, Wilson Doty, pianist; 8, Grace Leidy Burger, violinist; Beth Leidy, cellist; Mrs. Karl Robert Werndorf, pianist; 11, Hotsy Totsy hour.

KPRC, Houston, Tex. (296.9m-1010kc), 7:30 p. m., Kensington Hall orchestra; 8:15, Houston Real Estate board courtesy program; 8:45, Harmony Four; 9, Arabia Temple A. A. O. N. M. S. band.

KSD, St. Louis, Mo. (545.1m-550kc), 6-9:30 p. m., WEAF.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10 p. m., French harp tunes, William Hutton; 9:30-10:30, New Arlington hotel orchestra.

KUOA, Fayetteville, Ark. (299.8m-1000kc), 8 p. m., choir, First Presbyterian church.

KVOO, Bristow, Okla. (374.8m-800kc), 6-9 p. m., Jimmie Wilson and his Catfish string band.

KYW, Chicago, Ill. (535.4m-560kc), 6 p. m., Chicago Evening American studio; 7, program, Congress hotel; 9-9:30, classical concert; 9:30-10:30, Congress Carnival.

WBAP, Fort Worth, Tex. (475.9m-630kc), 7:30-8:30 p. m., Clyde Massengale, baritone; Mrs. Florence Massengale, pianist; 9:30-11, program, Mrs. Roger Neely, director.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., Trianon ensemble; 11:45-1 a. m., Nighthawk frolic.

WFAA, Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m., Honey Boys orchestra; 8:30-9:30, Park C. Daman and assisting vocalists; 11-12 midnight, Jimmy Joy's orchestra.

WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., Eddie Rosson and his orchestra.

WHB, Kansas City, Mo. (365.6m-820kc), 7-7:30 p. m., dinner hour organ concert; 8-9:30, ukulele songsters; Harry Taylor and Sam Martin; Lillian Valentine, soloist.

WHO, Des Moines, Iowa (526m-570kc), 7:308 p. m., Raleigh quintet; 8-9, varied musical program; 11-12 midnight, Bankers Life Corn Sugar orchestra.

WOAI, San Antonio, Texas (394.5m-760kc), 8:30 p. m., Gerbhardt Mexican Players.

WOAW, Omaha, Nebr. (526m-570kc), 6 p. m., Hugo G. Heyn, xylophonist; 6:50, orchestra; 9, classical; 10:10, Radio review.

WOC, Davenport, Iowa (483.6m-620kc), 5:45-5:55 p. m., chimes concert; 6-8, WEAF; 8-9, musical program, Greer and his orchestra.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., Lyon and King de luxe concert; 10:45, concert.

WSM, Nashville, Tenn. (282.8m-1060kc), 8 p. m., frolic, Happy Jack's orchestra.

WSOE, Milwaukee, Wis. (245.8m-1220kc), 7 p. m., dinner music; 8:45, movie revue; 9, classical musical program.

Mountain Standard Time Stations

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Virginia ballroom orchestra; 8-9, Screen Artists' quartet; 9-10, composers' hour; 10-11, Packard Radio club in popular songs of the day.

KFOA, Seattle, Wash. (454.3m-660kc), 7-8 p. m., program; 8:15-8:45, studio program; 8:15-10, studio program; 10-11, Jackie Souders and his Club Lido Serenaders.

KFWB, Hollywood, Calif. (252m-1190kc), 6:30-7:30 p. m., Pontiac Six dinner hour; 8-9, program, Richard Hellman, Inc.; 9-10, program, American Brake Testing Machine company; 10-11, Warner Brothers frolic.

KGO, Oakland, Calif. (361.2m-830kc), 6 p. m., dinner concert; 8-9, Eveready program; Strollers male quartet; Leonid Bolotine, violinist; 9-10, Pilgrims hour.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 10-12, dance music, Herman Kenin's orchestra; Curt Kramer, pianist.

KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., Weekly visit of Queen Titania and Sandman; 8-10, Times de luxe program.

KNX, Hollywood, Calif. (336.9m-890kc), 7-7:45 p. m., program, Geo. E. Read, Inc.; 8-9, program, Builders Finance Ass'n.; 9-10, program, Western Auto Supply company; 10-12 midnight, Cocoanut Grove dance orchestra.

KPSN, Pasadena, Calif. (315.9m-950kc), 8-9 p. m., Adolf Tandler instrumental group.

Wednesday, June 9

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
9:30 p. m.	8:30	7:30	6:30	5:30

WAHG (315.6m-950kc), Old-fashioned quartet.

WHAS (599.8m-750kc), Kentucky Night Owls.

10:15	9:15	8:15	7:15	6:15

WSM (282.8m-1060kc), Aleda Waggoner, coloratura soprano.

10:30	9:30	8:30	7:30	6:30

WSMB (319m-940kc), Polyhemnia.

11	10	9	8	7

KMA (252m-1190kc), Farmer Scotchman.

WLS (344.6m-870kc), Metropolitan choir.

12 m.	11	10	9	8

KHJ (405.2m-740kc), Jose Arias and Mexican entertainers.

For stations silent tonight refer to first Wednesday's list.

Atlantic or Eastern Daylight Saving Time Stations

CFCA, Toronto, Can. (356.9m-840kc), 11 p. m., Gilbert Watson and his orchestra.

WAHG, Richmond Hill, N. Y. (315.6m-950kc), 7:30 p. m., Margie Make-Believe; 7:45, William Helfenstein, baritone; 8, studio program; 8:30, William Helfenstein, baritone; 8:45, studio program; 9, May Singhi Breen, Peter DeRose and the Four Jack Roses; 9:30, Old-Fashioned quartet, Conrad Schelcher, flutist; Albert Reiss, vibraphone soloist; 10:20, dance orchestra.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:35 p. m., recital, N. Snellenburg and company; 8, talk; 8:10, Hotel Pennsylvania orchestra; 8:30, Miller piano period; 9, Gol-Mar Greeters; 9:30, Helen Travis Hoel, soprano; 9:45, Senator Hassenpfeffer; 10, Desmond, Bortman and McCullough, instrumental trio; 10:15, Maurice Patton, tenor; 10:30, Zoehrns and Herscher, songs; 10:45, Frank Cook, old-time songs; 11, Arthie Bittong Cheer-Up club.

WEAF, New York, N. Y. (491.5m-610kc), 4-12 midnight, Helen Butler Blanding, soprano; Synagogue service; Shinola Merrymakers; Gentleman of 2 in 1; Davis Saxophone octet; Ipana Troubadours; Pelham Heath Inn orchestra.

WEBJ, New York, N. Y. (272.6m-1100kc), 8 p. m., Ralberne orchestra; 8:45, Sara V. Turits, soprano; John Von Aspe, tenor; 9:15, Jerry Alexander; 9:30, Melville Five.

WEEI, Boston, Mass. (348.6m-860kc), 7:30 p. m., musicale; 8-10, WEAF; 10, musicale.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra.

WGBS, New York, N. Y. (315.6m-950kc), 6:30 p. m., Fess Williams Savoy orchestra.

WGR, Buffalo, N. Y. (319m-940kc), 7 p. m., Humphrey Sisters Harmony Four; 8, WEAF; 8:30, Marjorie Amsden recital; 9, WEAF; 10, Pilgrim male quartet.

WHN, New York, N. Y. (361.2m-830kc), 7:30 p. m., Loew's Lexington organ recital; 8, entertainers; 9, Loew's New York orchestra; 9:30, Palisades Amusement Park orchestra; 10, Roseland dance orchestra; 11:30, Silver Slipper orchestra; 12 midnight, Cotton club orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin hotel concert orchestra; 7, Uncle Wip's bedtime stories.

WJAR, Providence, R. I. (305.9m-950kc), 7:30-9 p. m., WEAF; 9, musicale; 10, tabloid musicale.

WJZ, New York, N. Y. (454.3m-660kc), 7 p. m., Hotel Commodore concert orchestra; 7:55, United Press; 8, Imperial Imps; 8:30, concert; 9:50, Associated Press; 10:30, Hotel Vanderbilt orchestra.

WLIT, Philadelphia, Pa. (394.5m-760kc), 7:30 p. m., Dream Daddy's bedtime stories; 10, Arcadia cafe dance orchestra.

WLWL, New York, N. Y. (288.3m-1040kc), 9 p. m., program; 9:45, concert.

WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Olcott Vail and his Hotel McAlpin string ensemble; 6:30, Ernie Golden and his Hotel McAlpin orchestra; 8, X-IT Hawaiians; 8:30, Meister's Homesteaders; Mamaroneck night; 9:30, Woodmansten Inn orchestra; 12, McAlpin entertainers.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Sylvania dinner dance orchestra; 8, WEAF; 10, Fox theater studio program; 10:30, Ritz Carlton dance orchestra.

WOR, Newark, N. J. (405.2m-740kc), 6:30 p. m., Jacques Jacobs' Hotel Shelton ensemble; 9:30, French Line program; 11, Larry Siry's Hotel Ambassador orchestra.

Eastern Standard or Central Daylight Saving Time Stations

WBBM, Chicago, Ill. (225.4m-1330kc), 8-10 p. m., Rudy Winters, baritone; Alemite orchestra; 12-2 a. m., Alemite orchestra.

WCAP, Washington, D. C. (468.5m-640kc), 7-7:30 p. m., WEAF; 7:30-8, outdoor concert, U. S. Army band; 8-10, WEAF.

WEBH, Chicago, Ill. (370.2m-810kc), 7-8 p. m., Osborn's orchestra; Florence Behrend; Frank Greif, Frank Bordner; 9:15-10, Osborn's orchestra; Frank Bordner; Lawrence Salerno; 11-12:30 a. m., Oriole orchestra; Kay Renayne; Florence Behrend.

WGHB, Clearwater, Fla. (265.3m-1130kc), 8:30-10 p. m., Rex Dantzler, tenor; old-time duets, Mr. and Mrs. Charles A. Waller.

WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert; 8-10, Little symphony orchestra; Gizi Szanto, pianist; quartet; 12-1 a. m., Gerald Marks' orchestra.

WGN, Chicago, Ill. (302.8m-990kc), 6:45-7 p. m., Blackstone string quintet; 9-10, concert; 10-10:10, Sam 'n' Henry; 10:10-10:20, studio music; 10:20-11, Pepper party.

WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., Eastman theater orchestra; 7:05-9, musical program.

WHT, Chicago, Ill. (399.8m-750kc), 7:10 p. m., Edwin Kemp, tenor; 7:50, Borden organ recital; 10:15 (238m-1260kc), Cinderella cafe orchestra; 12 midnight (399.8m-750kc), your hour league.

WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., dinner concert, string trio; Dorothy Rae, soprano; Charles Champlin, baritone; Frank Grief, tenor; trio; 10-12, popular program; vocal, instrumental.

WJAZ, Chicago, Ill. (329.5m-910kc), 9-12 midnight, Earl Hoffman's Chez Pierre orchestra; Virginia Lane, soprano; Henry Perry, violinist.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Jean Goldkette's Petite symphony orchestra; 7:45, Goodwill Oakland; 9, Jean Goldkette's orchestra; 11, Murphy Brothers organ; 12 midnight, Merry Old Chief, Jewett Radio Jesters.

WKAR, E. Lansing, Mich. (285.5m-1050kc), 8-9 p. m., musicale.

WLIB, Chicago, Ill. (302.8m-990kc), 7:15-7:30 p. m., dinner music; 7:30-7:50, Pattison Coates, baritone; Edward Barry, pianist; 7:50-8, Auld Sandy; 8-9, WEAF; 12:30-1 a. m., Ambrose Larsen, organist.

WLS, Chicago, Ill. (344.6m-870kc), 6:15 p. m., Maurie Sherman's College Inn orchestra; 8, Mid-West quartet; 9, WLS trio; 9:30, Arneson quartet; 10, Metropolitan choir; 11, popular music.

WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., Hotel Gibson orchestra; 10, Thorobred entertainers; 11, the pink of programs, Cincinnati Post dance orchestra, entertainers.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Hotel La Salle orchestra; 8:25, Whitney trio; 8:55, WMAQ players, chimes.

WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon duo; Eleanor Kaplan, violinist; Monte Blunn, tenor; Arvid Anderson, baritone; Preston Graves, pian-

Maids of Melody is the title under which Hortense Rose and Grace Donaldson sing at the various Cincinnati stations. At the present time they are a regular feature at WSAI and may be heard during the midnight popular program Saturday, June 5.

Wednesday, June 9

ist; request program; 9-11, Trianon orchestra, Woodlawn theater orchestra, vocal artists.
WOK, Chicago, Ill. (217.3m-1380kc), 4:30-7 p. m., Capitol theater organ; studio program; Tip-Top Inn string ensemble; 10-1:30 a. m., Tearney's Town club orchestra; Pershing Palace orchestra; Midway Garden orchestra; Capitol theater program.
WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9-10 p. m., 16-Fingered Paul; Moke Marrin; Helen Neuman, Jim Forshey, Ruth Glaser, Pearl Knudson, Sid Goldman, Minnie Dubey Johnson; 10-11, Atwater Kent hour.
WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Gardens orchestra; Merrie Boyd Mitchell, soprano; 10-2 a. m., Rainbo Gardens orchestra; Melodians; Flo and Ray; Joe Warner.
WRVA, Richmond, Va. (256.3m-1170kc), 8:45 p. m., Ye Olde Tyme singers, hymns, songs; 9:30, Smithers Hawaiian orchestra; 10, organ recital, chimes, Angie Sims.
WSAI, Cincinnati, Ohio (325.9m-920kc), 6:45 p. m., chime concert, Robert Badgley; 7-9, WEAF; 9, musical program; 10, string quartet.
WSWS, Chicago, Ill. (275.8m-1090kc), 6 p. m., Dean Terrill, baritone; Rita McFawn; Terrace Gardens orchestra; 8, Terrace Gardens; narrative recital; 10, Smith and Ford; Gus Edwards' orchestra.
WTAM, Cleveland, Ohio (389.4m-770kc), 6:15 p. m., Hotel Cleveland orchestra; 7:30, WEAF; 8, Public Auditorium program.
WTIC, Hartford, Conn. (475.9m-630kc), 7 p. m., Mme. Lealia Joel-Hulse, contralto; 7:30, Washington Street school orchestra; 8:15, Laura Gaudet, pianist; 8:30, organ recital.
WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7, WEAF; 7:30, News orchestra; 8, dance program; 9, WEAF.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., dinner concert; 8:30-10:30, request program.
KFKX, Hastings, Nebr. (288.3m-1040kc), 9-11 p. m., musicale, Lincoln, Nebr.
KMA, Shenandoah, Iowa (252m-1190kc), 9-11 p. m., musical program.
KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., dinner recital, Mrs. Jacque Landree, organist; 7, Shut-in entertainers, Minna and Ida Moerscell, orchestra; 8:30-9:30, light opera selections, orchestra; song cycle; 9:30-11:30, Marguerite Schmidt, pianist; orchestra; 11:30, Rendezvous club.
KPRC, Houston, Tex. (296.9m-1010kc), 7:30 p. m., Alice Repsdorph, lyric soprano; 7:45, Jack Willrich's orchestra; 8:30, George Meyer, baritone; 8:45, Frank Tilton, pianist.
KSD, St. Louis, Mo. (545.1m-550kc), 6 p. m., WEAF; 6:30, Hotel Statler concert orchestra; 7, WEAF; 8, WEAF.
KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10 p. m., Lawson Reid, organist; 9:30, Lon Chassy, violinist; John G. Heyn, pianist; Meyer Davis stringed trio; 10-10:30, Como Roof Garden orchestra.
KVOO, Bristow, Okla. (374.8m-800kc), 6-9 p. m., Radio trio; Mascho, Cunningham, Mascho.
KYW, Chicago, Ill. (353.4m-560kc), 6 p. m., musical program; 8-9:30, classical concert; 9:30-11, Congress carnival.
WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., Trianon ensemble; 8-9, WEAF; 9-10, McDowell chorus; 11:45-1 a. m., frolic.
WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., Jake Seligman and his Kentucky Night Owls.
WHB, Kansas City, Mo. (365.6m-820kc), 10:30-11:30 p. m., musicale.
WHO, Des Moines, Iowa (526m-570kc), 6-7 p. m., Bankers Life Little symphonic orchestra; 7:15-8:15, Irene Dorans Little symphony orchestra; 8:15-9, program, Chicago, Rock Island, Pacific Railway company; 9-11, dance program; 11-12, Bankers Life Corn Sugar orchestra.
WOAI, San Antonio, Texas (394.5m-760kc), 8:30 p. m., Army night program.
WOC, Davenport, Iowa (483.6m-620kc), 5:45-5:55 p. m., chimes concert; 6-8, WEAF; 9:30-10:30, musical program, Erwin Swindell, organist; Bernard Regan, baritone.
WSB, Atlanta, Ga. (428.3m-700kc), 10:45 p. m., Youngs' Versatile orchestra.
WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., Beasley Smith's orchestra; 8:15, Aleda Waggoner, coloratura soprano; 10, violin recital.
WSMB, New Orleans, La. (319m-940kc), 8:30 p. m., Polyhemnia Circle.
WSOE, Milwaukee, Wis. (245.8m-1220kc), 7 p. m., dinner music; Candygram entertainers.

Mountain Standard Time Stations

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra; 8, Scheuerman's Colorado orchestra; 8:15, Public Service company of Colorado; KOA orchestra; Mile High trio; Marjorie Mellow, soprano; Dorothy Benolds, reader; Lillian Donnery, contralto; Charles South, violinist; Saxophone band; Robert D. Kenworthy, tenor; Ruby W. Hedges, harpist; Edwin Smith, tenor.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-7:30 p. m., Grebe Synchrophase string ensemble; 7:30-8, Nick Harris detective story; 8-9, program, California Petroleum corporation; 9-10, popular song program; 10-11, Charles Beauchamp, tenor.
KFOA, Seattle, Wash. (454.3m-660kc), 6:45-8:15 p. m., Hopper Kelly company studio program; 8:30-10, program.
KFWB, Hollywood, Calif. (252m-1190kc), 6:30-7:30 p. m., Pontiac Six dinner hour; 8-9, studio program; 9-10, program, Pacific Development company; 10-10:30, Mutual Motors joke contest; 10:30-11:30, Warner Brothers frolic.
KGO, Oakland, Calif. (361.2m-830kc), 6 p. m., dinner concert.
KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-9, concert; 9-10, vocal and instrumental music; 10-11, vocal, instrumental.
KHJ, Los Angeles, Calf. (405.2m-740kc), 6:30-7:30 p. m., Children's hour with Uncle John; 8-10, Jose Arias and his Mexican entertainers.
KNX, Hollywood, Calif. (336.9m-890kc), 7-8 p. m., Hoyt Water Heater program; 8-9, program, Stewart-Warner dealers; 9-10, Motor Transit Stages program; 10-11, feature program; 11-12, Cocoanut Grove dance orchestra.
KWSC, Pullman, Wash. (348.6m-860kc), 8-9:30 p. m., Geneva Byers, whistler; Louise Fletcher, vocalist; Ruth Huebner, pianist; Loyt Pound, reader.

Thursday, June 10

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
10 p. m.	9	8	7	6
WRVA (256m-1170kc), Negro spirituals.				
10:30	9:30	8:30	7:30	6:30
WFAA (475.9m-630kc), Dallas artists.				
WOAI (394.5m-760kc), Mistletoe Melody Maids.				
11	10	9	8	7
KFI (467m-642kc), Kanner string trio.				
12 m	11	10	9	8
WGHP (270m-1110kc), WGHP Frolickers.				
12:45 a. m.	11:45	10:45	9:45	8:45
WSB (428.3m-700kc), Charles A. Sheldon, organist.				
1:15	12:15	11:15	10:15	9:15
WLW (422.3m-710kc), Night Howls.				

For stations silent tonight refer to first Thursday's list.

Atlantic or Eastern Daylight Saving Time Stations

CFCA, Toronto, Can. (356.9m-840kc), 11 p. m., Gilbert Watson and his orchestra.
CKNC, Toronto, Can. (356.9m-840kc), 8 p. m., Charles E. Bodley and his dance orchestra; Madeline Bell, soprano; Edgar Smith, bass.
WBBR, New York, N. Y. (272.6m-1100kc), 8 p. m., Watchtower violin choir; Bible lecture; Stanley Gohlinghorst, baritone.
WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:30 p. m., Cathay Tea Garden orchestra; 7:30, Snellenburg symphony orchestra; 8, Saddler's Plantation serenaders; 8:30, Clifton's Anglers; 8:45, the Kandy Kids; 9, Barry O'Moore, Irish tenor; 9:30, Musical Chefs; 9:45, Professor Doolittle; 10, Sesquicentennial Hour; 11, Parodians dance orchestra; 11:30, Club Madrid revue.
WEAF, New York, N. Y. (491.5m-610kc), 4-12 midnight, Helen Katzinger, soprano; dinner music; midweek hymn sing; Zillah Halstead, pianist; Hires' Harvesters; Clicquot Club Eskimos; Silvertown Cord orchestra; Vincent Lopez and his orchestra.
WEEI, Boston, Mass. (348.6m-860kc), 7:30 p. m., musicale; 8-11, WEAF.
WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra; 8, talk, Thomas Masson; 8:14, WEAF.
WGBS, New York, N. Y. (315.6m-950kc), 6:30 p. m., music; 6:45, Arcadia orchestra.
WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., Vincent Lopez Hotel Statler dance orchestra; 8, WEAF.
WHAR, Atlantic City, N. J. (275.1m-1090kc), 8 p. m., Seaside hotel trio; 9, studio concert; 11, Follies Bergere dance orchestra.
WHN, New York, N. Y. 361.2m-830kc), 8 p. m., Will Oakland's Chateau; 9:30, Loew's 83rd Street orchestra; 10:30, Leroy Smith's orchestra; 11:30, Everglades orchestra; 12 midnight, Sophie Tucker's playground.
WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 8, Glen Mills for Boys band and orchestra; 9, Edmund de Luca, pianist; Laura Lanning Fritz, contralto; Minerva Tose Chadwin, soprano; 9:45, Albert Mahler, tenor; Chas. D. Long, bass; Flora Ripka, accompanist; 10:15, Leon Field, violinist; 11, El Patio dance orchestra.
WJAR, Providence, R. I. (305.9m-950kc), 8 p. m., Robert W. Powers Hudson-Essex orchestra; 9-11, WEAF.
WJZ, New York, N. Y. (454.3m-660kc), 7 p. m., Hotel Vanderbilt orchestra; 7:30, Judge, Jr; 8, "Voice of the Silent Drama"; 8:30, U. S. Marine band; 9:30, Royal Typewriter orchestra; 10:30, Record Boys; 11, Hotel Astor orchestra.
WLIT, Philadelphia, Pa. (394.5m-760kc), 7:30 p. m., Dream Daddy's bedtime stories.
WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Olcott Vail and his Hotel McAlpin string ensemble; 7, Hofbrau Haus entertainers; 7:30, Klein's Serenading Shoemakers; 8, Roemer's Homers; 9:30, Columbia Park entertainers; 10:30, California Ramblers; 11, Ernie Golden and his Hotel McAlpin orchestra; 12, Broadway night.
WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Adelphia dinner dance orchestra.
WOR, Newark, N. J. (405.2m-740kc), 6:30 p. m., Jacques Jacobs' Hotel Shelton ensemble.

Eastern Standard or Central Daylight Saving Time Stations

WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., dinner program; 8-10, musical program, vocal and instrumental soloists; 10-11, ensemble.
WBBM, Chicago, Ill. (225.4m-1330kc), 8-10 p. m., Dress parade of popular music, Alemite orchestra; Ruby Rosina, Vic Fredericks, air comedian; 10-10:30, Moss Covered Melody period; Howard Osborne's Vanity Fair orchestra; Alemite orchestra; Ruby Rossina, Maurice Silverman, tenor; Metropolitan mixed quartet; 11-12 midnight, dance period.
WCBD, Zion, Ill. (344.6m-870kc), 8 p. m., commencement exercises, Zion Conservatory of Music; Mrs. Florence Hill, soprano.
WEBH, Chicago, Ill. (370.2m-810kc), 7 p. m., special recital; 9:15, Oriole orchestra; Ruth Buhl Flick, reader; Dorothy Herman Blum; 11-12:30 a. m., orchestra; Pat Ward; Rita McFawn; Mary Bieber.
WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert; 10-11, Frolickers; 11-12 midnight, Skylark dance band, soloists; 12-2 a. m., Gerald Marks' orchestra.
WGN, Chicago, Ill. (302.8m-990kc), 6:45-7 p. m., Drake concert ensemble; 8-9, WEAF; 9-10, WEAF; 10-10:10, Sam 'n' Henry; 10:10-11, ensemble.
WGY, Schenectady, N. Y. (379.5m-790kc), 6:45 p. m., musical program; 7:30, WRC; 8:30, WJZ; 9:30, Austin Springer, pianist; Edna Mereness, soprano; 10:30, Stephen Boisclair, organist.
WHT, Chicago, Ill. (399.8m-750kc), 7:10 p. m., Al Carney, organist; 7:30, Grayling's ensemble; May Gartin, contralto; 8:45-10:15 (238m-1260kc), Cinderella cafe orchestra; 10:30 (399.8m-750kc), Kitchen Klenzer Klassics; 11:10, U. S. L. entertainers; 12 midnight, your hour league.
WIBO, Chicago, Ill. (245.4m-1330kc), 6-8 p. m., dinner concert, string trio; tenor; baritone; Chester Neuman; 12, midnight, jamboree; Ted Fiorito, pianist; Dan Russo, violinist; Marie Tully, songs, artists.
WJAZ, Chicago, Ill. (329.5m-910kc), 9-12 midnight, classical program, Spanish Garden studio.
WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Jean Goldkette's Petite symphony orchestra; 7:30, Ide and Meginnity; 9, Jean Goldkette's orchestra; 10, Jean Goldkette's Victor Recording orchestra.
WLIB, Chicago, Ill. (302.8m-990kc), 7:15-8 p. m., WEAF; 11-11:20, Correll and Gosden; 11:20-1 a. m., Liberty studio ensemble; Ambrose Larsen, organist; Tommy Thatcher's Drake hotel dance orchestra; Fred Hamm's Purple Grackle orchestra.
WLS, Chicago, Ill. (344.6m-870kc), 6:30 p. m., Elsie May Look, organist; 7:15, College Inn orchestra; 7:30, Ralph Emerson, organist; 8, Mu Phi Epsilon sorority program.
WLW, Cincinnati, Ohio (422.3m-710kc), 6:15 p. m., Norrine Gibbons and Priscilla Holbrook; 7, Hotel Gibson orchestra; 12:03, popular concert, Doherty Melody boys; 11, Katz's orchestra; 11:30, Henry Theis and his orchestra; 12:15, Night Howls, "Calico Cat."
WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Hotel La Salle orchestra; 8:30, musical program; 9:20, muiscal program, chimes.
WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon ensemble; Hilda Hinrichs, cellist; Margaret Conrad, violinist; Preston Graves, pianist; Italian music; 9-11, Trianon orchestra, orchestras; ensemble; Bob Duffy, Earl Smith, Wellington Forbes, Bob Bennett, popular program.
WOK, Chicago, Ill. (217.3m-1380kc), 4:30-7 p. m., Capitol theater organ; Tip-Top Inn string ensemble; Lorraine's Pershing Palace orchestra; Midway Garden orchestra; Capitol theater program.
WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Gardens orchestra; Lillian Schoessling, soprano; 10-2 a. m., Rainbo Gardens orchestra; Harry Geise; Bert Davis; Lew Butler.
WRVA, Richmond, Va. (256.3m-1170kc), 9 p. m., negro spirituals, dialect readers; 10, Jesters orchestra; 11, Carry Me Back to Old Virginny.
WSAI, Cincinnati, Ohio (325.9m-920kc), 7:15-10 WEAF.
WSWS, Chicago, Ill. (275.8m-1090kc), 6 p. m., Terrace Gardens orchestra; Catherine O'Brien, pianist; John Clark, baritone; Zola Haynes, pianist; 8, Alvina Becker, Borden Brothers; Terrace Gardens; 10, Terrace Gardens; Cook Sisters; Smith and Ford.
WTAM, Cleveland, Ohio (389.4m-770kc), 6:15 p. m., Hollenden hotel orchestra; 7:15-9, WEAF; 9, studio program; 11, Austin Wylie's orchestra.
WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7, WEAF.

Central Standard Time Stations

KLDS, Independence, Mo. (440.9m-680kc), 8 p. m., studio program.
KMA, Shenandoah, Iowa (252m-1190kc), 9-11 p. m., Ye Old Time orchestra.
KOIL, Council Bluffs, Iowa (277.6m-1080kc), 6:03 p. m., Wilson Doty, pianist; 6:30, Art Marr's Imperial dance orchestra; 7, Dorothy Shove Kelloway, soprano; Katherine Cheyne Lemen, contralto; Margaret Lemen Green, pianist; 8, Harmo-Zazz orchestra; 11, organ recital.
KPRC, Houston, Tex. (296.9m-1010kc), 7:30 p. m., Harry Kobusch and his orchestra; 8:30, Ralph Miles, tenor; 8:45, Nettie Mae Powell, violinist; 9, First Congregational quartet; 9:30, Seger Ellis.
KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., WEAF; 8, WEAF; 9, Lyric Skydome.
KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10-10 p. m., operatic music, New Arlington hotel ensemble; 10-10:20, accordion selections, Joe Kuntz.
KUOA, Fayetteville, Ark. (299.8m-1000kc), 8:30 p. m., musical program.
KVOO, Bristow, Okla. (374.8m-880kc), 6-9 p. m., surprise program.
KYW, Chicago, Ill. (535.4m-560kc), 6 p. m., musicale; Hearst Square; 8-9:30, classical concert; 9:30-10:30, Congress carnival.
WBAP, Fort Worth, Texas (475.9m-630kc), 7:30-8:30 p. m., Davis Baking Powder saxophone octet; 9:30-11, concert, Mrs. Raymond Wright; 11-12, Sorin-White Top o' Texas orchestra.
WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., Trianon ensemble; 11:45-1 a. m., frolic.
WFAA, Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m., Jimmy Joy's orchestra; 8:30-9:30, Mrs. Larue Nelson, soprano.
WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., mixed vocal and instrumental concert, Mrs. J. E. Harmon, Jr.
WHB, Kansas City, Mo. (365.6m-820kc), 8-9 p. m., Sweeney symphonic quintet; 9-10, popular dance music.
WHO, Des Moines, Iowa (526m-570kc), 7:30-8 p. m., Raleigh quintet; 8-9, Bankers Life trio; Stewart Watson, baritone; 11-12, Bankers Life Corn Sugar orchestra.
WOAI, San Antonio, Texas (394.5m-760kc), 8:30 p. m., Mistletoe Melody Maids.
WOAW, Omaha, Nebr. (526m-570kc), 6 p. m., organ; 6:50, Randall's Royal Fontenelle orchestra; 9, Sunshine program.
WOC, Davenport, Iowa (483.6m-620kc), 5:45-5:55 p. m., chimes concert; 6-9, WEAF; 9-9:30, musical program, Moline Plowboys.
WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., concert; 10:45, Charles A. Sheldon, Jr., organist.
WSMB, New Orleans, La. (319m-940kc), 8:30 p. m., Schilling's society serenaders; Radio Revelers; Liberty theater orchestra.
WSOE, Milwaukee, Wis. (245.8m-1220kc), 7 p. m., dinner music; 9, Lakefront studio program, St. Vincent glee club.

Mountain Standard Time Stations

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., program, students University of Southern California; 8-9, program of chamber music; 9-10, popular program; 10-11, Patrick-Marsh orchestra; Betty Patrick, soloist.
KFWB, Hollywood, Calif. (252m-1190kc), 6:30-7:30 p. m., Pontiac Six dinner hour; 8-9, program, McGavin Bakeries; 9-10, program, Dell's Ice Cream; 10-11, Warner Brothers frolic.
KGO, Oakland, Calif. (361.2m-830kc), 8-9 p. m., vacation program; Nassau Marimba band; WOW male trio; 9-12 midnight, Brokaw and orchestra.
KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-10, vaudeville program; Four Sailors; Ebony and Ivory, piano duet; Luke's Flower girls; 10-12 midnight, Cole McElroy's dance orchestra.
KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., Uncle John and the children; 8-10, Zoellner string quartet, Gladys Blackwell Pickering, soprano.
KNX, Hollywood, Calif. (336.9m-890kc), 7-8 p. m., studio program; 8-9, Willys-Overland dealers; 9-11, feature program; 11-12, Cocoanut Grove dance orchestra; 12-2 a. m., Don Meaney's midnight frolic.
KPSN, Pasadena, Calif. (315.9m-950kc), 8-9 p. m., Pasadena Chamber of Commerce.
KTAB, Oakland, Calif. (239.9m-1250kc), 9-10 p. m., studio program.

GENERAL TALKS AND SPEECHES

Tuesday, June 1

Atlantic	Eastern	Central	Mountain	Pacific
7:30 p. m.	6:30	5:30	4:30	3:30
WHAR (275.1m-1090kc), "Glimpses Through the Stage Door," Mort Eiseman.				
8	7	6	5	4
WEBJ (272.6m-1100kc), R. R. talk, G. T. Geer.				
WLW (422.3m-710kc), "One Language," Hon. Judge David Davis.				
8:10	7:10	6:10	5:10	4:10
WLW (422.3m-710kc), "Aeronautics, U. S. Air Service."				
10	9	8	7	6
WLW (422.3m-710kc), "Opera in English," Grace Gardner.				
WMCA (340.7m-880kc), "How to Drive," Harry Raines.				
11	10	9	8	7
WCCO (416.4m-720kc), Voting in the Primaries.				
WMAQ (447.5m-670kc), Book talks.				
11:30	10:30	9:30	8:30	7:30
WCCO (416.4m-720kc), "Outdoors in Minnesota."				

Wednesday, June 2

Atlantic	Eastern	Central	Mountain	Pacific
7 p. m.	6	5	4	3
WTAG (267.7m-1120kc), Book talk, Robert K. Shaw.				
7:30	6:30	5:30	4:30	3:30
WOR (405.2m-740kc), Swimming talk, Frank Dalton.				
9	8	7	6	5
WLIT (394.5m-760kc), Talk, Col. Roosevelt.				
WTIC (475.9m-630kc), "New England Supremacy," Champe S. Andrews.				
10	9	8	7	6
KOAC (280.2m-1070kc), "Olalla Butte and Its Surrounding Lakes."				
10:10	9:10	8:10	7:10	6:10
KSO (241.8m-1240kc), Health talk, Dr. F. H. Clark.				
11:15	10:15	9:15	8:15	7:15
KWSC (348.6m-860kc), Book review, Alice Lindsay Webb.				
12 m.	11	10	9	8
KOAC (280.2m-1070kc), "Oregon—A Wonderland."				

Thursday, June 3

Atlantic	Eastern	Central	Mountain	Pacific
7:30 p. m.	6:30	5:30	4:30	3:30
WGY (379.5m-790kc), Book talk.				
8:15	7:15	6:15	5:15	4:15
WCCO (416.4m-720kc), Gorgas memorial, Dr. L. H. Cady.				
8:30	7:30	6:30	5:30	4:30
WGBS (315.6m-950kc), "Foolight and Lamplight," Oliver Sayler.				
10	9	8	7	6
WRC (468.5m-640kc), "Political Situation in Washington Tonight," Frederick W. Wile.				

Friday, June 4

Atlantic	Eastern	Central	Mountain	Pacific
7:30 p. m.	6:30	5:30	4:30	3:30
WMAK (265.3m-1130kc), Talk, Dr. Albert P. Sy.				
WPG (299.8m-1000kc), Address, Lincoln Van Gilder.				
8	7	6	5	4
WOAW (526m-570kc), Music review, Hester Bronson Copper.				

Atlantic	Eastern	Central	Mountain	Pacific
9:30 p. m.	8:30	7:30	6:30	5:30
WCAL (336.9m-890kc), Book talk, Dr. George Weida Spohn.				
WHAS (399.8m-750kc), Civil service talk.				

Saturday, June 5

Atlantic	Eastern	Central	Mountain	Pacific
8:45 p. m.	7:45	6:45	5:45	4:45
WGBS (315.6m-950kc), "Numerology," Clifford Cheasley.				

Monday, June 7

Atlantic	Eastern	Central	Mountain	Pacific
11 p. m.	10	9	8	7
KOA (322.4m-930kc), "What the Negro Has Contributed to America," George W. Gross.				
WRVA (256.3m-1170kc), "Virginia," G. W. Koiner.				
12:25 a. m.	11:25	10:25	9:25	8:25
KGO (361.2m-830kc), "Chats About New Books," Joseph Harry Jackson.				

Tuesday, June 8

Atlantic	Eastern	Central	Mountain	Pacific
7:30 p. m.	6:30	5:30	4:30	3:30
WGY (379.5m-790kc), "Cathode Rays," F. C. Kelley.				
9:50	8:50	7:50	6:50	5:50
WLW (422.3m-710kc), Talk, Powel Crosley, Jr.				
11	10	9	8	7
WMAQ (447.5m-670kc), Book talk.				
11:30	10:30	9:30	8:30	7:30
WCCO (416.4m-720kc), "Outdoors in Minnesota."				

Wednesday, June 9

Atlantic	Eastern	Central	Mountain	Pacific
9 p. m.	8	7	6	5
WTIC (475.9m-630kc), Ukulele lesson, Dan Nolan.				
11:30	10:30	9:30	8:30	7:30
KWSC (348.6m-860kc), Book review, Alice Lindsay Webb.				

Thursday, June 10

Atlantic	Eastern	Central	Mountain	Pacific
7:30 p. m.	6:30	5:30	4:30	3:30
WGY (379.5m-790kc), Outdoor talk.				

Friday, June 11

Atlantic	Eastern	Central	Mountain	Pacific
8 p. m.	7	6	5	4
WOAW (526m-570kc), Music review, Hester Bronson Copper.				
9:30	8:30	7:30	6:30	5:30
WCAL (336.9m-890kc), Book talk.				
11	10	9	8	7
WYNC (526m-570kc), Talk, Dr. Frank Vizetelly.				

Saturday, June 12

Atlantic	Eastern	Central	Mountain	Pacific
8:45 p. m.	7:45	6:45	5:45	4:45
WRC (468.5m-640kc), "The Work of Congress."				

Monday, June 14

Atlantic	Eastern	Central	Mountain	Pacific
8:30 p. m.	7:30	6:30	5:30	4:30
WHAR (275m-1090kc), Industrial talk, R. Orville Ketchum.				
9:05	8:05	7:05	6:05	5:05
WNYC (526m1570kc), Lecture, College of New York.				
10	9	8	7	6
WRVA (256.3m-1170kc), "True Virginia Lore," Dr. Douglas S. Freeman.				

Friday, June 11

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
8 p. m.	7	6	5	4
WAHG (315.6m-950kc), 33rd great artist organ recital.				
8:15	7:15	6:15	5:15	4:15
WGY (379.5m-790kc), "Tangles," comedy.				
9	8	7	6	5
WGN (302.8m-990kc), Songs of Civil War.				
10	9	8	7	6
WMBB (250m-1220kc), Banjo Barons.				
10:30	9:30	8:30	7:30	6:30
KFAB (340.7m-880kc), Bohemian band concert.				
11:15	10:15	9:15	8:15	7:15
KOA (322.4m-930kc), "Cultural Colorado," word scenerio.				
11:25	10:25	9:25	8:25	7:25
KTHS (374.8m-800kc), Indian music.				
12 m.	11	10	9	8
WLIT (394.5m-760kc), Morning Glory club.				
2:30 a. m.	1:30	12:30	11:30	10:30
KGW (491.5m-610kc), KFOA (454.3m-660kc), Hoot Owls.				

For stations silent tonight refer to first Friday's list.

Atlantic or Eastern Daylight Saving Time Stations

WAHG, Richmond Hill, N. Y. (315.6m-950kc), 7:30 p. m., studio program; 8, Thirty-third "Great Artist" organ recital; 9, studio program; 9:30, the Gondoliers; 10, Cliff Ulrich and Ray Sinnott; 10:30, dance orchestra.
WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:45 p. m., Hotel Pennsylvania orchestra; 7:15, Peter Rabbit and the kiddies; 7:30, Snellenburg Instrumental trio; 8:15, Enrico Aresoni, operatic tenor; 8:30, the Singing Groundhog; 8:45, Dwight Strickland, "Poetician"; 9, the Reginas; 9:15, Nasco Jolly four; 9:45, Gypsy orchestra; 10:05, songs; 10:30, Myers' Musical Architects.
WEAF, New York, N. Y. (491.5m-610kc), 4-12 midnight, Esther Heller Cooper, soprano; tea dance music; Torre and Biviano; Kinney club; Happiness Candy Boys; Ben Bernie and his orchestra; Pelham Heath Inn orchestra.
WEBJ, New York, N. Y. (272.6m-1100kc), 7 p. m., Blenheim theater ensemble; 7:30, Luna Park program; 8, Ruse Pobolsky, soprano; Philip Krumholtz, baritone; 8:30, Luna Park program.
WEEI, Boston, Mass. (348.6m-860kc), 7:30 p. m., Whiting's Four Merry Milkmen; 8, musicale; 8:30, Neapolitan Girls' quintet; 9, musicale; 9-10:30, WEAF; 10:30, Ed Andrews and his Nautical Gardens orchestra.
WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra.
WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., Murray Whiteman's serenaders; 7:30, WEAF; 8, Emmeline Mills Ibbott, pianist; 8:15, Marcia Kellf, vocal program; 8:30, Gospel Melodists; 9, Winger's Crescent Park entertainers; 9:30, WEAF; 10, popular program, Wilbur Metz; 10:30, Lombardo and Faulis, piano accordion and banjo; 11, Vincent Lopez Hotel Statler dance orchestra.
WHAR, Atlantic City, N. J. (275.1m-1090kc), 8 p. m., Seaside hotel trio.
WHN, New York, N. Y. (361.2m-830kc), 7 p. m., Phil Abrahams and his Colonial Aces; 7:30, Treasureland Neighbors; 8, Uncle Robert's Chat; 8:05, Frank H. Ochs, tenor; 9, Loew's Lexington orchestra; 9:30, Palisades Amusement Park orchestra; 10, Roseland dance orchestra; 10:30, Strand Roof orchestra; 11, Barn club orchestra; 11:30, Club Alabam orchestra; 12 midnight, Silver Slipper orchestra.
WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 7, Uncle Wip's bedtime stories.
WJAR, Providence, R. I. (305.9m-950kc), 8 p. m., musicale; 8:30, Gorman's Jolly Bakers; 9, musicale; 10, WEAF; 11, Providence Biltmore dance orchestra.
WJZ, New York, N. Y. (454.3m-660kc), 7 p. m., Hotel Pennsylvania Grill orchestra; 8, Sundial Shoe serenaders; 8:30, Bonnie Laddies; 9, Sniders Catsup hour; 10:30, Hotel Lorraine Grill orchestra.
WLIT, Philadelphia, Pa. (394.5m-760kc), 7:30 p. m., Dream Daddy's bedtime stories; 10, Arcadia cafe dance orchestra; 10:30, Rufus and Rastus; 10, Freshman Hour of Music; 12, Morning Glory club concert.
WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Olcott Vail and his Hotel McAlpin string ensemble; 6:30, Ernie Golden and his Hotel McAlpin orchestra; 9, Broadway association; 12, McAlpin entertainers.
WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Ritz Carlton dinner dance orchestra; 8, talks; 8:15, WOO orchestra; 9:25, recital from Fox theater; 10, Whitall Anglo Persians; 10:30, Sylvania dance orchestra.
WOR, Newark, N. J. (405.2m-740kc), 6:40 p. m., Hotel Bretton Hall string quartet.

Eastern Standard or Central Daylight Saving Time Stations

WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., dinner program; 8-9, vocal and instrumental soloists; 9-10, WBAL trio; John Wilbourn, tenor; 10-10:30, mixed quartet; 10:30-11, organ program, Frederick Weaver.
WBBM, Chicago, Ill. (225.4m-1330kc), 8-10 p. m., Goldie Gordon, violinist; Alemite orchestra; Badger quartet; Gail Bandell.
WCAP, Washington, D. C. (468.5m-640kc), 6:55-7:45 p. m., studio program; 8-10, studio program; 10-12 midnight, music, Wardman Park hotel.
WEBH, Chicago, Ill. (370.2m-810kc), 7 p. m., Osborn's orchestra; Bernard Weber, Pauline Sachs; 9:15, Osborn's orchestra; Bernard Weber; 11-12:30 a. m., orchestra; Irene Beasley; Day and Knight.
WGHB, Clearwater, Fla. (265.3m-1130kc), 8:30-10 p. m., Mrs. Howard Moore, organist.
WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert; 10-11, entertainers; 11-12 midnight, Skylark dance band, soloists.
WGN, Chicago, Ill. (302.8m-990kc), 6:45-7 p. m., musical program; 7:15-8, Paul Ash; 8-8:30, Civil War songs;

Friday, June 11

8:30-9, musical program; 9-9:30, WEAF; 9:30-10, Phantom violin; 10-10:10, Sam 'n' Henry; 10:10-11, musical program, ensemble.

WGY, Schenectady, N. Y. (370.5m-790kc), 6:35 p. m., WGY orchestra; 7:15, comedy, "Tangles," WGY players; 8:30, Oneonta night.

WHT, Chicago, Ill. (399.8m-750kc), 7 p. m., Al Carney, Grayling's ensemble; 10:15 (238m-1260kc), Cinderella cafe orchestra; 10:30 (399.8m-750kc), Sunbeam Girls; 11:05, Loftis half-hour presentation; 12 midnight, your hour league.

WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., dinner program, string trio; Charlotte Edwards, contralto; 10-12, popular program; Ted Fiorito, pianist; Dan Russo, violinist; songs, monologues; Tony Corcoran; Hickey and Johnson.

WJAZ, Chicago, Ill. (329.5m-910kc), 9-12 midnight, Earl Hoffman's Chez Pierre orchestra; the quips that pass in the night; Walter Levis, baritone; Betty Cain, violinist; Eulalie Kober, pianist.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Petite symphony orchestra; 7:30, Arctic Specials; 9, Mulkey Celebrities; 9:30, Casper Lingeman symphony.

WLIB, Chicago, Ill. (302.8m-990kc), 7:05-7:15 p. m., Old-Fashioned Almanack; 11-11:20, Correll and Gosden; 11:20-1 a. m., Liberty studio ensemble; Ambrose Larsen, organist; Tommy Thatcher's Drake hotel dance orchestra; Purple Grackle orchestra.

WLS, Chicago, Ill. (344.6m-870kc), 6:30 p. m., Elsie May Look, organist; 7:15, orchestra; 7:30, Ralph Emerson, organist; 8, popular music; 8:30, Grace Wilson, contralto; 11-12 midnight, Ralph Emerson, organist.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:20, Family Altar league; 6:30, Wide-Awake club program; 8, musical program; 8:30, Whitney trio; 9:20, musical program, chimes.

WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon duo, male trio, Vella Cook, contralto; Frank Bordner, baritone; Norman Hart, old-home songs program; 9-11, Trianon orchestra; Joe Warner, character songs; Krueger and Dillon, banjo barons; male trio.

WOK, Chicago, Ill. (217.3m-1380kc), 4:30-7 p. m., Capitol theater organ; studio program; Tip-Top Inn string ensemble concert; 10-1:30 a. m., Tearney's Town club orchestra; Midway Garden orchestra; Capitol theater program.

WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9-9:15 p. m., "Schumann"; 9:15-11, classical concert.

WQJ, Chicago, Ill. 447.5m-670kc), 7-8 p. m., Rainbo Gardens orchestra; R. G. Ball, baritone; Chrystal Eaton Taylor, soprano; Chester Newman; 10-2 a. m., orchestra; Muriel Olson, contralto; Johnny Poat, baritone; Romo Vincent.

WRVA, Richmond, Va. (256.3m-1170kc), 7 p. m., Hotel Richmond orchestra; 8, violin and piano recital; 8:45, mixed quartet, violin and pianist; 10, Hotel Richmond Roof Garden orchestra; 11, Carry Me Back to Old Virginny.

WSWS, Chicago, Ill. (275.8m-1090kc), 6 p. m., Madaline McGraw, ballads; 8, Terrace Gardens; John Clark, baritone; 10, Terrace Gardens.

WTAM, Cleveland, Ohio (389.4m-770kc), 6:15 p. m., Hotel Cleveland orchestra; 8, studio program; 9, WEAF; 9:30, studio program.

WTIC, Hartford, Conn. (475.9m-630kc), 7:15 p. m., Naugatuck community program; 9:30, popular songs, Arline Talmadge; 9:45, WTIC mail bag; 10, Emil Heimberger's dance orchestra.

WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 8, News orchestra; 9, WEAF; 9:30, dance program.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., dinner concert; 8:30-10:30, Bohemian band.

KFKX, Hastings, Nebr. (288.3m-1040kc), 9-11 p. m., Baptist church program.

KMA, Shenandoah, Iowa (252m-1190kc), 9-11 p. m., musical program.

KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., dinner time recital, Mrs. Jacque Landree, organist; 8, orchestra, light opera selections; 9, "Tony Bungay", novel; soloists; 10, Music Lovers' hour, orchestra; Helen Musick, soprano; 11, Rendezvous club; A. Snyder, accordionist.

KOIL, Council Bluffs, Iowa (277.6m-1080kc), 6:03 p. m., Ukulele Rag-Pickers; 6:30, Randall's Royal orchestra; 7:30, Walter Jenkins, baritone; Mrs. Walter Jenkins, accompanist; Mrs. W. A. Cutler, soprano; Florence Senior Duerr, pianist; 8:30, Jack and Jill; 11, Hotsy Totsy hour.

KSD, St. Louis, Mo. (545.1m-550kc), 7:30 p. m., program; 8, music.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10 p. m., vocal selections, Mrs. Violet Belding; 9:25-10, Indian music, New Arlington Hotel-Meyer Davis' stringed quartet; 10-10:30, Ray Mullins orchestra.

KVOO, Bristow, Okla. (374.8m-800kc), 6-9 p. m., Josephine Storey-White.

KYW, Chicago, Ill. (535.4m-560kc), 6 p. m., musicale; 7-8, Federal Masters; 9:30-11, Congress carnival.

WBAP, Fort Worth, Texas (475.9m-630kc), 7:30-8:30 p. m., Panther Hawaiian trio; 9:30-11, program, H. T. Croft; 11-12, musicale.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., Trianon ensemble; 8-8:30, WEAF; 8:30-9:30, varied musical program; 11:45-1 a. m., Nighthawk frolic.

WFAA, Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m., Orchard Hill orchestra; 8:30-9:30, Four Hoarse men.

WGBF, Evansville, Ind. (236.1m-1270kc), 7 p. m., A. L. Maxwell company; 11, D-X hunting club.

WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., Bittick-Benson orchestra.

WHB, Kansas City, Mo. (365.6m-820kc), 7-8 p. m., Sweeney Radio orchestra.

WHO, Des Moines, Iowa (526m-570kc), 7:30-8:15 p. m., J. Worth Allen, banjo soloist and Banjo club; 8:15-9, Amelia Reinke, soprano; Rall Grigsby, tenor; C. Lee, basso; Iva Hamilton Butler, pianist; 11-12, Philbreck and his orchestra.

WOAI, San Antonio, Texas (394.5m-760kc), 8:30 p. m., San Antonio College of Music program, or Walter Dunham Harmonologue.

WOAW, Omaha, Nebr. (526m-570kc), 6 p. m., music review; 6:50, Jaffy and Braviroff; 9, M. C. Peters Mill company.

WOC, Davenport, Iowa (483.6m-620kc), 5:45-5:55 p. m., chimes concert; 8-9, musical program; Norine Murray, soprano; Mrs. F. Rehling, soprano; John McGreevy, baritone.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., concert; 10:45, concert.

WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., Beasley Smith's orchestra; 8:15, program; Mrs. Eva Thompson Jones, contralto; 10, Dutch Ehrhart, and his orchestra.

WSOE, Milwaukee, Wis. (245.8m-1220kc), 7 p. m., dinner music; 7:45, mass singing; 9, Candygram revue.

Mountain Standard Time Stations

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra; 8, Scheuerman's Colorado orchestra; 8:15, celebration, fiftieth anniversary, Colorado's admission to the Union.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Kanner string trio; 8-9, Aeolian organ; 9-10, Yvonne Gerard, pianist; Walter Menard, tenor and Mutual Mutual mirth concert; 10-11, Packard ballad hour.

KFOA, Seattle, Wash. (454.3m-660kc), 5:55-6:25 p. m., Atwater Kent boys, Doug and Fred; 6:45-8:15, program; 8:30-10, Times studio program; 11-12 midnight, KGW.

KFWB, Hollywood, Calif. (252m-1190kc), 6:30-7:30 p. m., Pontiac Six dinner hour; 7:30-8, program, Paralta studios; 8-9, program, John Wright, The Right Tailor; 9-10, program, Sealy Mattress company; 10-11, Warner Brothers frolic.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-9, vocal and instrumental concert; 9:15-10:30, vocal and instrumental; 10:30-12 midnight, frolic, Keep Growing Wiser Order of Hoot Owls, Pantages stars, features.

KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., Uncle John and the children; 8-9, Southern California Baptist Young People's program; 9-10, popular program.

KNX, Hollywood, Calif. (336.9m-890kc), 7-8 p. m., Bad Egg club; 8-9, Jell-X-Cell program; 9-10, Order of Optimistic Donuts; 10-11, Hollywood American Legion fights; 11-12, Cocoanut Grove dance orchestra.

KTAB, Oakland, Calif. (239.9m-1250kc), 8-10 p. m., studio program.

KWSC, Pullman, Wash. (348.6m-860kc), 8-9:30 p. m., Della Crumpacker, pianist; Chester Hoffman, saxophonist; songs, Vay Kearns; Esther Olsen, reader.

Saturday, June 12

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
6:30 p. m.	5:30	4:30	3:30	2:30

WGBS (315.6m-950kc), Vincent Sorey concert trio.

8	7	6	5	4

WSWS (275.8m-1090kc), Chicago serenaders.

8:15	7:15	6:15	5:15	4:15

WLS (344.6m-870kc), National barn dance.

9	8	7	6	5

CFCA (356.9m-840kc), Musical comedy selections, CFCA's Summer orchestra.
KSD (545.1m-550kc), Lyric Skydome.
WLW (422.3m-710kc), Polyphonic music.

9:30	8:30	7:30	6:30	5:30

WHAS (399.8m-750kc), Cardinals.

10	9	8	7	6

WLW (422.3m-710kc), Polyphonic music.

10:30	9:30	8:30	7:30	6:30

WSMB (319m-940kc), Back to the Land of Memory.

11	10	9	8	7

WRC (468.5m-640kc), Mayflower cruise.

12 m.	11	10	9	8

KFI (467m-642kc), Angelus string trio.

For stations silent tonight refer to first Saturday's list.

Atlantic or Eastern Daylight Saving Time Stations

CFCA, Toronto, Canada (356.9m-840kc), 9 p. m., CFCA's summer orchestra.

WAHG, Richmond Hill, N. Y. (315.6m-950kc), 12 midnight, Midnight variety program.

WBBR, New York, N. Y. (272.6m-1100kc), 8 p. m., Fred Twaroschk, tenor; Joseph Bonaccorso, violinist.

WEAF, New York, N. Y. (491.5m-610kc), 4-12 midnight, dinner music; musical comedy hits; Edgar Gruen, baritone; Buffalodians; Vincent Lopez and his orchestra.

WEEI, Boston, Mass. (348.6m-860kc), 7:45 p. m., Lucerne-in-Maine quintet; 8:10, Pop concert.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra; 9, LuLu Temple Imperial band.

WGBS, New York, N. Y. (315.6m-950kc), 6:30 p. m., Vincent Sorey concert trio; 7:10, Sorey concert trio; 7:15, travel talk; 7:30, Arcadia orchestra; 8:45, Clifford Cheasley, "Numbeology"; 10:30, Arrowhead Inn dance orchestra.

WHAR, Atlantic City, N. J. (275.1m-1090kc), 8 p. m., Seaside hotel trio.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin hotel concert orchestra; 8:15, classical period; 9, musicale; 10:05, El Patio dance orchestra; 11:05, organ recital.

WJZ, New York, N. Y. (454.3m-660kc), 7 p. m., Hotel Madison concert orchestra; 8, WRC; 11, Hotel Mayflower dance orchestra.

WLIT, Philadelphia, Pa. (394.5m-760kc), 7:30 p. m., Benjamin Franklin concert orchestra.

WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Dicott Vail and his Hotel McAlpin string ensemble; 7, Toppen's orchestra; 10, Norman Pearce, readings; 11, Ernie Golden and his Hotel McAlpin orchestra; 12 midnight, McAlpin entertainers.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Adelphia concert orchestra.

WOR, Newark, N. J. (405.2m-740kc), 6:30 p. m., Jacques Jacobs' Hotel Shelton ensemble; 7:30, Van's Collegians; 8, Orange Chamber of Commerce program; 8:45, Copenhagen quartet; 11, Larry Siry's Hotel Ambassador orchestra.

Eastern Standard or Central Daylight Saving Time Stations

WBBM, Chicago, Ill. (225.4m-1330kc), 8-10 p. m., Alemite orchestra; Ziegler Stars; Tip trio; 10-11, dance period; 12-2 a. m., Matched Unit quartet; Ziegler Stars.

WEBH, Chicago, Ill. (370.2m-810kc), 8 p. m., songs, Frank Greif; 9:15-10, Edgewater Beach hotel orchestra; 11-12 midnight; Edgewater Beach hotel orchestra; Kay Ronayne; 1-2 a. m., frolic.

WGN, Chicago, Ill. (302.8m-990kc), 6:45-7 p. m., musical program; 8-8:10, Auld Sandy; 8:10-8:30 musical program; 8:30-9:30, light opera concert; 9:30-10, old-time prize fight; 10-10:10, Sam 'n' Henry; 10:10-11, ensemble.

WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., dinner program, Hotel Onondaga; 9:30, dance music, Hotel Syracuse.

WHT, Chicago, Ill. (399.8m-750kc), 7 p. m., Al Carney, organist; 10:15 (238m-1260kc), Cinderella orchestra; 10:50, Jack Turner; Irene Smith; 12 midnight, your hour league.

WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., dinner program; string trio; Frances Scheibe, George Hancher, Evelyn Elliott, Christopher Hendra.

WJAZ, Chicago, Ill. (329.5m-910kc), 9-1 a. m., popular program, Pierre's studio.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Stromfeltz-Loveley serenaders; 9, Jean Goldkette's serenaders; 10, Jean Goldkette's Victor Recording orchestra; 11:30, Merry Old Chief.

WLIB, Chicago, Ill. (302.8m-990kc), 7:15-7:30 p. m., dinner concert; 7:30-8, Drake concert ensemble. Blackstone string quintet; Pattison Coates, baritone; 11-11:20, Correll and Gosden; 11:20-1 a. m., Liberty studio ensemble; Ambrose Larsen, organist; Purple Grackle orchestra.

WLS, Chicago, Ill. (344.6m-870kc), 7:15 p. m., national barn dance.

WLW, Cincinnati, Ohio (422.3m-710kc), 7:30 p. m., meeting, Sekatary Hawkins' Radio club; 8, Polyphonic music, Mt. St. Mary's Seminary choir; 8:45, Katz and his Kittens; 9:30, Henry Theis and his orchestra.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Hotel La Salle orchestra; 8, Daw and Pratt; 8:30, photologue; 9, Chicago theater revue.

WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon ensemble; Hilda Hinrichs, cellist; Margaret Conrad, violinist; Preston Graves, pianist; Franklin Kidd, tenor; Arvid Anderson, program; 9-11, Trianon orchestra; ensemble; Andy Anderson, Trianon Syncopators; Jack Goodwin, Jimmie Eggert, Oxford girls, popular program.

WOK, Chicago, Ill. (217.3m-1380kc), 4:30-7 p. m., Capitol theater organ; Tip-Top Inn ensemble concert; 10-1 a. m., Tearney's Town club orchestra; Carl Lorraine's Pershing Palace orchestra; Midway Garden orchestra; Capitol theater program; 1-2, Tearney's Town club orchestra; Midway Gardens orchestra.

WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9-10 p. m., Elizabeth Barker Van Campen hour of music; 10-11, Pervis Jeffrey, Roy Clark, Harold DeWindt, Bob and Hazel McOsker, Freddie Gleason, Thelma Dykman, Louie Cunningham, Dorothy Dykman.

WSAI, Cincinnati, Ohio (325.9m-920kc), 8 p. m., chimes concert, Robert Badgley; 8:30, Bicycle Playing Card sextet; 12 midnight, popular program.

WSWS, Chicago, Ill. (275.8m-1090kc), 6 p. m., Chicago serenaders; 8, Gus Edwards' orchestra; Oxford Girls; Jack Ford; John Clark, ballads; Terrace Gardens orchestra.

WTAM, Cleveland, Ohio (389.4m-770kc), 6 p. m., Collegian serenaders; 7:30, studio program; 8, Hollenden hotel orchestra; 9, Ev Jones and his gang.

WTIC, Hartford, Conn. (475.9m-630kc), 7:30 p. m., Ideal male quartet; 8:15, string quartet; 9, Alice Townsend, soprano; 9:15, Nina Woodbury, cellist; 9:30, Carroll's Palais Royal dance orchestra.

Central Standard Time Stations

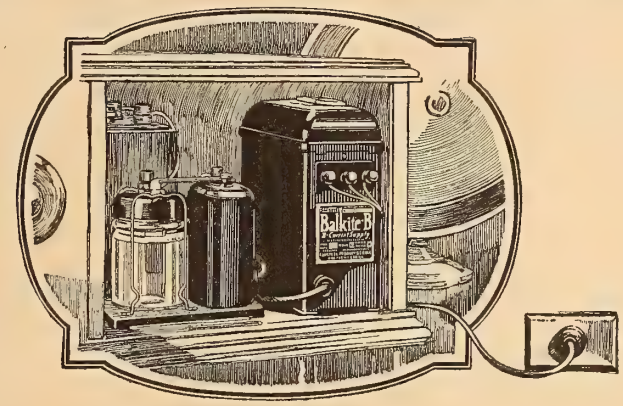
KFAB, Lincoln, Nebr. (340.7m-880kc), 3:15-3:45 p. m., Buick Master Six orchestra; 5:30-6:30, dinner concert; 8:30-10:30, Little symphony.

KLDS, Independence, Mo. (440.9m-680kc), 8 p. m., Mrs. E. N. Brinkman, soprano; George Howerton, organist; Mrs. Herbert Spokesfield, pianist; E. N. Brinkman, baritone.

KMA, Shenandoah, Iowa (252m-1190kc), 9-11 p. m., musical program.

KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., Mrs. Jacque Landree, organist; 8, Cotton Pickers, soloist; orchestra, light opera selections; 9, Marguerite Schmidt, pianist; 9:30, Mrs. Jacque Landree, organist, harp solos; David Bittner, violinist; 11, Rendezvous club.

KOIL, Council Bluffs, Iowa (277.6m-1080kc), 6:03 p. m., "Y" Pioneer Radio club; 6:30, Virginia Fair, pianist; 7:30, Paramount program; 8, Francis Potter and his Banjo orchestra; 11, Hotsy Totsy hour.



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Saturday, June 12

KPRC, Houston, Tex. (296.9m-1010kc), 7:30 p. m., Universal Bible class; 8, Frank Tilton, blind wonder boy pianist; 10:30, Harold Oxley's Warwick hotel orchestra.
KSD, St. Louis, Mo. (545.1m-550kc), 7 p. m., Lyric Skydome.
KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10-10 p. m., New Arlington hotel orchestra.
KVOO, Bristow, Okla. (374.8m-800kc), 6-9 p. m., Marshall Van Pool and his Radio orchestra.
KYW, Chicago, Ill. (535.4m-560kc), 6 p. m., hour of music; 7, KYW's Congress hotel studio; 8-9:30, classical concert; 9:30-11, Congress carnival.
WBAP, Fort Worth, Texas (475.9m-630kc), 7:30-8:30 p. m., Sunday school lesson; 9:30-11, Hired Hand's Little symphony.
WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., organ music; Trianon ensemble; 11:45-1 a. m., Nighthawk frolic.
WFAA, Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m., Jimmy Joy's orchestra; 8:30-9:30, Elizabeth Gay Jones, pianist; 11-12 midnight, Jack Gardner's orchestra.
WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., Cardinals.
WOAW, Omaha, Nebr. (526m-570kc), 6 p. m., orchestra; 6:30, orchestra; 9, program, Omaha Printing company; 10, organ.
WOC, Davenport, Iowa (483.6m-620kc), 5:45-5:55 p. m., chimes concert; 9-10, musical program, Moose band.
WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., Atlanta Atwater Kent hour; 10:45, Rogers Red-Head club.
WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., Beasley Smith's orchestra; 8:15, popular program.
WSMB, New Orleans, La. (319m-940kc), 8:30 p. m., Cotton Pickin Twins, Ray McNamara, Back to the Land of Memory program.
WSOE, Milwaukee, Wis. (245.8m-1220kc), 7 p. m., dinner music; 8:30, Sunday school lesson; 9, studio program.
WSUI, Iowa City, Iowa (483.6m-620kc), 7:30 p. m., musicale.

Mountain Standard Time Stations

KOA, Denver, Colo. (322.4m-930kc), 9 p. m., Harmony Peerless orchestra.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Al Wesson's orchestra; 8-9, Angelus string trio; 9-10, popular program; 10-11, Packard Radio club; 11-2 a. m., KFI midnight frolic.
KFOA, Seattle, Wash. (454.3m-660kc), 8:15-9:30 p. m., all-artist studio program; 9:30-11, Jackie Souders and his Club Lido Serenaders.
KFWB, Hollywood, Calif. (252m-1190kc), 6:30-7:30 p. m., Pontiac Six dinner hour; 7:30-7:45, Little Ant Man; 8-9, program, Smith Investment company; 9-11, Warner Brothers frolic, Len Nash and his Country Boys.
KGO, Oakland, Calif. (361.2m-830kc), 8:10-9 p. m., Leo J. Meyberg company program; 9-10, Florence Fowden, soprano; Julius Goldsmith, violist; Ladies trio; instrumental quartet; 10-12:30, dance music.
KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., concert; 10-12 midnight, Herman Kenin's dance orchestra.
KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., Children's hour with Uncle John; 8-10, varied program of popular and semi-classical nature.
KNX, Hollywood, Calif. (336.9m-890kc), 7:15 p. m., church announcements; 7:30-8, studio program; 8-9, program, Luna Park; 9-10, feature program; 10-11, Cocoanut Grove dance orchestra; 11-2 a. m., KNX Hollywood Nite, Filmland frolic.
KPSN, Pasadena, Calif. (315.9m-950kc), 8-9 p. m., Star-News concert hour.

Sunday, June 13

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific	
6 p. m.	5	4	3	2	WLIB (302.8m-990kc), Arabian Nights.
7	6	5	4	3	WBAP (475.9m-630kc), Sacred Harp singers.
9	8	7	6	5	KVOO (374.8m-800kc), Cowboy band.
9:30	8:30	7:30	6:30	5:30	WGBS (315.6m-950kc), Dramatic biography.
10	9	8	7	6	KOIL (278m-1080kc), Elks quartet. WJAZ (329.5m-910kc), Spanish Garden program.
11	10	9	8	7	WOC (483.6m-620kc), Moose band.

For stations silent tonight refer to first Sunday's list.

Atlantic or Eastern Daylight Saving Time Stations

WBBR, New York, N. Y. (272.6m-1100kc), 10 a. m., Watchtower orchestra; Fred Twaroschk, tenor; Bible lecture; 2 p. m., orchestra; Bible lecture; 9, Watchtower orchestra; Bible talk.
WCAU, Philadelphia, Pa. (277.6m-1080kc), 11 a. m., services, First Unitarian church; 5 p. m., recital; 5:15, undenominational church services; 5:45, sermon, Rev. John W. Stockwell; 6:15, Hotel Pennsylvania orchestra; 7:15, Cathay Tea Garden concert orchestra; 8:30, Bonwit Teller ensemble; 9, Lester and F. A. North hour of music; 10, Charlie Kerr and his orchestra.
WEAF, New York, N. Y. (491.5m-610kc), 7:20 p. m., Capitol theater; 9:15, Atwater Kent half hour; 9:45-10:15, announced.
WEEI, Boston, Mass. (348.6m-860kc), 6 p. m., Jordan Marsh company's Sparkling Diamonds; 7:20, WEAF; 9:15, WEAF; 9:45, Keith's theater.
WFI, Philadelphia, Pa. (394.5m-760kc), 4:30 p. m., services, Arch St. Presbyterian church.
WGBS, New York, N. Y. (315.6m-950kc), 9:30 p. m., dramatic biography.
WGR, Buffalo, N. Y. (319m-940kc), 10:45 a. m., Westminster Presbyterian church; 7:15 p. m., Central Presbyterian church; 9:15, WEAF.
WHAR, Atlantic City, N. J. (275.1m-1090kc), 10:15 a. m., Chelsea Baptist church; 2:15 p. m., sacred recital, Seaside hotel trio; 7:50, Chelsea Baptist church; 9, with the classics, Seaside hotel ensemble.
WHN, New York, N. Y. (361.2m-830kc), 11:30 a. m., Calvary morning services; 12:30 p. m., Loew's Lexington organ recital; 2, Queens County Christian Endeavor program; 3, Radio Bible class; 5, Roseland dance orchestra; 7:30, Calvary Evening services; 10:15, Janssen's Hofbrau; 12 midnight, Sophie Tucker's Playground.
WIP, Philadelphia, Pa. (508.2m-590kc), 10:45 a. m., services, Holy Trinity church.
WJZ, New York, N. Y. (454.3m-660kc), 7 p. m., Park Ave. Baptist church carillon; 7:20, Hotel Pennsylvania concert orchestra; 8, Bakelite hour; 9, Hotel Commodore concert orchestra; 10, Godfrey Ludlow, violinist.
WLIT, Philadelphia, Pa. (394.5m-760kc), 2 p. m., Arcadia cafe concert orchestra; 6:30, organ recital; 7, Benjamin Franklin concert orchestra.
WLWL, New York, N. Y. (288.3m-1040kc), 8 p. m., Paulist choristers, sermon.
WMCA, New York, N. Y. (340.7m-880kc), 11 a. m., services, Christian Science church; 5:25 p. m., Halpert and Trexell, Buch-A-Neer; 7, Ernie Golden and his Hotel McAlpin orchestra; 8:30, California Ramblers.
WOO, Philadelphia, Pa. (508.2m-590kc), 2:15 p. m., musical exercises; Bethany Sunday school; 6, organ recital; 7:30, services, Bethany Presbyterian church.

Eastern Standard or Central Daylight Saving Time Stations

WBAL, Baltimore, Md. (245.8m-1220kc), 7:30-8:30 p. m., twilight program, concert orchestra.
WBBM, Chicago, Ill. (225.4m-1330kc), 12:30-2 p. m., noon-hour of music; 4-6, matinee; 11:59-3 a. m., Nutty club.
WCBD, Zion, Ill. (344.6m-870kc), 9 p. m., mixed quartet; M. P. Barton, J. D. Thomas; Wiedman Sisters; Ida Peterson, soprano; L. J. Hire, violist; Chester Bagg, trombonist.
WEBH, Chicago, Ill. (370.2m-810kc), 10:10 a. m., Seventh Church of Christ, Scientist; 7-9, artists' program.
WGN, Chicago, Ill. (302.8m-990kc), 6:45-7 p. m., musical program; 7-7:20, The Million Sing; 7:20-7:30, Old Fashioned Almanack; 7:30-8:15, music; 8:15-8:45, WEAF; 8:45-10, "Our Music Room—Verdi"; 10-10:10, Sam 'n' Henry; 10:10-11, musical program.
WGY, Schenectady, N. Y. (379.5m-790kc), 10 a. m., First Unitarian society, All Souls church; 3:30 p. m., organ recital, Elmer Tidmarsh; 7, WJZ; 8, WJZ; 9, WJZ.
WHT, Chicago, Ill. (399.8m-750kc), 12n.-11:30 p. m., Paul Rader.
WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., dinner concert, string trio; Agnes Buchli, soprano; Helen Snyder, Robert York; 10-12, popular program, artists.
WJAZ, Chicago, Ill. (329.5m-910kc), 7-9 p. m., classical program, Spanish Garden studio.
WJR, Pontiac, Mich. (516.9m-580kc), 10:30 a. m., First Baptist church.
WLIB, Chicago, Ill. (302.8m-990kc), 5-6:15 p. m., Arabian Nights' entertainment.
WLS, Chicago, Ill. (344.6m-870kc), 10:45 a. m., U. of C. convocation Sunday; 12:30 p. m., Ralph Emerson, organist; 7, WLS Little Brown Church.
WMBB, Chicago, Ill. (249.9m-1200kc), 3-5 p. m., Trianon orchestra; Woodlawn theater orchestra; Wellington Forbes, tenor; Andy Anderson, baritone; piano novelties, Bob Bennett; popular concert; 7:40-9, Fifth Church of Christ, Scientist; 9-11, Trianon orchestra; Andy Anderson, baritone; Preston Graves, pianist; Scotty Welch and Madison Sisters, Golden Harmony trio; popular program.
WOK, Chicago, Ill. (217.3m-1380kc), 6 p. m.-1 a. m., Tearney's Town club orchestra; Carl Lorraine's Pershing Palace orchestra; Midway Garden orchestra; Capitol theater musical program; Tip-Top string ensemble; studio program.
WSAI, Cincinnati, Ohio (325.9m-920kc), 10 a. m.-12:15 p. m., St. Elizabeth church; 7:45, chimes concert, Robert Badgley; 8:15-8:45, WEAF.
WSWS, Chicago, Ill. (275.8m-1090kc), 11 a. m., Moody church; 3:30-5 p. m., afternoon popular service; 7-9:30, evening song service.
WTAM, Cleveland, Ohio (389.4m-770kc), 11 a. m., Baptist church; 3 p. m., WTAM concert orchestra; 7, Loew's theater orchestra; 8, twilight hour.
WWJ, Detroit, Mich. (352.7m-850kc), 11 a. m., St. Paul's Episcopal cathedral; 2 p. m., News orchestra; 4, organ recital; 6:20, WEAF; 8:15, operatic stars.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 4-5 p. m., vesper services; 9-11, Sunday evening musicale.
KLDS, Independence, Mo. (440.9m-680kc), 11 a. m., Stone church service; 3 p. m., Watson Memorial M. E. church; 6:30, Radio vesper service, Walnut Park quartet; 9:15, studio service.
KMOX, St. Louis, Mo. (280.2m-1070kc), 8 p. m., The Principia, KFQA; 9, popular entertainment, Skouras Brothers' Sunday Night club.
KOIL, Council Bluffs, Iowa (277.6m-1080kc), 11 a. m., First Congregational church; 7:30 p. m., Paramount program; 8, Elks' quartet; 11, Original Collegians.
KPRC, Houston, Tex. (296.9m-1010kc), 10:45 a. m., First Methodist church; 7:30 p. m., chimes, Edith Brown; 8, St. Paul Methodist church; 9:30, Top o' Houston; 11, Texan theater pipe organ concert.
KSD, St. Louis, Mo. (545.1m-550kc), 5:15 p. m., WEAF.
KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 11 a. m., St. Luke's Episcopal church; 9:10-10, classic hour; Clyde Foley, lyric tenor.
KVOO, Bristow, Okla. (374.8m-800kc), 12:30-7 p. m., pipe organ; Rev. Leeper and his twenty-piece string band; Laughton Family; Oklahoma Cowboy band; Cushing Military band; 7:30-9, worship hour.
KYW, Chicago, Ill. (535.4m-560kc), 10 a. m., Central church; 3:30 p. m., studio concert; 8:30-10, classical concert.
WBAP, Fort Worth, Texas (475.9m-630kc), 11 a. m., First Presbyterian church; 5-6 p. m., Sacred Harp singers; 9:30-11, musicale.
WDAF, Kansas City, Mo. (365.6m-820kc), 3-4 p. m., program; 1-1:15, vespers.
WFAA, Dallas, Texas (475.9m-630kc), 2:30 p. m., farmers' hour; 6-7, Radio Bible class; 7:15-8, Leland Johnson; 8-9, Service City temple; 9-9:30, Willard B. Muse, tenor; Ruth Muse, contralto; 11-12 midnight, Shaw-Smith College club orchestra.
WHB, Kansas City, Mo. (365.6m-820kc), 9:40-10:45 a. m., Linwood Blvd. Christian church; 11:10-12:30 p. m., Independence Blvd. Christian church; 8-9, Westport Methodist church; 11:45-1 a. m., Morrill Moore, organist; Don Anchors, poet.
WOAI, San Antonio, Texas (394.5m-760kc), 11 a. m., First Presbyterian church; 7:45 p. m., Central Christian church.
WOAW, Omaha, Nebr. (526m-570kc), 9 a. m., Rev. R. R. Brown; 1:30 p. m., Father Flanagan's Boys' home period; 9, chapel.
WSB, Atlanta, Ga. (428.3m-700kc), 5 p. m., sacred concert; 7:30, Second Baptist church service.
WSM, Nashville, Tenn. (282.8m-1060kc), 10:30 a. m., First Presbyterian church.
WSUI, Iowa Ctiy, Iowa (483.6m-620kc), 9 p. m., familiar hymns, Celeste Fuhrmann.

Mountain Standard Time Stations

KOA, Denver, Colo. (322.4m-930kc), 10:55 p. m., Trinity Methodist Episcopal church; 6:30 p. m., Little symphony orchestra; 7:40, Trinity Methodist Episcopal church.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-7:30 p. m., Grebe Synchrophase string ensemble; 7:30-8, Jim, Jack and Jean trio; 8-9, Aeolian organ; 9-10, Mert Denman and his uke and others; 10-11, Packard Six dance orchestra.
KFWB, Hollywood, Calif. (252m-1190kc), 9-11 p. m., Warner Brothers Sunday night movie frolic.
KGW, Portland, Ore. (491.5m-610kc), 10:45-12 noon, First Congregational church; 7:30-9 p. m., services, First Presbyterian church; 9-10, Chevrolet symphony orchestra.
KNX, Hollywood, Calif. (336.9m-890kc), 7-8 p. m., Carli Elinor's concert orchestra from Circle theater; 8-9, First Presbyterian Church of Hollywood; 9-10:30, program, Beverly Hills Nurseries.

CLASSICAL CONCERTS INDEX

Saturday

Atlantic	Eastern	Central	Mountain	Pacific	Stations
7 p. m.	6	5	4	3	WCX, WEAF, WMCA, WREO.
8	7	6	5	4	KGO, KYW, WEAR, WENR, WMAQ, WNYC, WOAW, WOK, WRC.
9	8	7	6	5	KDKA, KFNF, KOIL, KSD, KYW, WBBR, WGN, WMBB, WNYC, WOAW, WQJ.
10	9	8	7	6	KFOA, KPRC, KHJ, KYW, WHAS, WIP, WLW, WORD, WSAI, WSOE.
11	10	9	8	7	KNX, KYW, WEAF, WMAQ, WMC, WOAW, WOC, WORD.
12 m.	11	10	9	8	KGO.
1 a. m.	12 m.	11	10	9	WOAW.

Sunday

Atlantic	Eastern	Central	Mountain	Pacific	Stations
7:20 p. m.	6:20	5:20	4:20	3:20	WCAE, WCAU, WEAF, WEEI, WJAR, WJAZ, WTAG, WWJ.
9	8	7	6	5	WAMD, WBZ, WEAR, WCAU, WHAR, WJAZ, WHT, WNYC, WQJ.
10	9	8	7	6	KFDM, KPRC, KSD, WBZ, WCBD, WCCO, WEAR, WGY.
9:15	8:15	7:15	6:15	5:15	WEAF chain.
11	10	9	8	7	KHJ, KNX, KTHS, KYW, WCCO, WFAA, WOC, WSOE.
12 m.	11	10	9	8	KFVE, KHJ, KNX, KPO, KTHS, WKRC, WOC.
1 a. m.	12 m.	11	10	9	KHJ, KNX, WOC.
2	1	12 m	11	10	KNX.

Monday

Atlantic	Eastern	Central	Mountain	Pacific	Stations
7 p. m.	6	5	4	3	KGO, WCX, WEAF, WOK, WREO, WWJ.
8	7	6	5	4	KMA, WBBR, WCCO, WEAF, WEAR, WHAR, WHAD, WHT, WJR, WMBB, WOAW, WTAG.
9	8	7	6	5	KFNF, KSD, WBZ, WCX, WLW, WTIC.
10	9	8	7	6	KFOA, KGO, KHJ, KPRC, WCCO, WBZ, WHAD, WHO, WLW, WORD, WOS.
11	10	9	8	7	KMA, KPO, KPRC, KSD, KTHS, WAMD, WCCO, WHAD, WOAW, WSUI.
12 m.	11	10	9	8	KGW, KHJ, KMA, KSD, KTHS, KWSC, WSAI.
1 a. m.	12 m.	11	10	9	KGW, WBAP, WSAI.
2	1	12 m	11	10	KHJ.

Tuesday

Atlantic	Eastern	Central	Mountain	Pacific	Stations
7 p. m.	6	5	4	3	WBZ, WCX, WREO, WWJ.
8	7	6	5	4	KGO, KMA, WEAR, WHAD, WJR, WMAQ, WOAW, WOK, WTIC, WWJ.
9	8	7	6	5	KFNF, KSD, KYW, WBZ, WCAE, WCX, WEAR, WHT, WLS, WMBB, WQJ, WRC, WTIC.
10	9	8	7	6	KFDM, KFOA, KGO, KHJ, KLDS, KYW, WCAE, WCBD, WCCO, WEAF, WEEI, WGR, WHAS, WJAR, WLW, WMAQ, WOC, WORD, WTAG.
11 p. m.	10	9	8	7	KFAB, KFDM, KFUO, KMA, KNX, KPRC, KTHS, WCAE, WCCO, WEAF, WEAR, WEEI, WLW, WMCA, WOC, WSAI, WSOE, WTAG.
12 m.	11	10	9	8	KGO, KHJ, KMA, KYW, WSAI.
1 a. m.	12 m.	11	10	9	KPO, KYW, WHO, WMC.

Wednesday

Atlantic	Eastern	Central	Mountain	Pacific	Stations
7 p. m.	6	5	4	3	WCX, WREO, WWJ.
8	7	6	5	4	KGO, WEAR, WHAD, WJR, WMAQ, WOK, WTIC.
9	8	7	6	5	KFNF, KPRC, KSD, KYW, WAMD, WBZ, WCX, WEAF, WEEI, WHT, WLW, WMBB, WMCA, WQJ, WTAG, WWJ.
10	9	8	7	6	KFOA, KGO, KPRC, KSD, KYW, WBZ, WCCO, WDAF, WEEI, WGR, WHAD, WHAS, WJAR, WMAQ, WOR, WOS, WORD.
11	10	9	8	7	KFMX, KMA, KNX, KTHS, WAMD, WCCO, WEAF, WEEI, WGR, WHAD, WJAR, WLS, WMAQ, WNYC, WOC, WSOE.
12 m.	11	10	9	8	KGO, KGW, KMA, KPO, KTHS, WCAE, WLS, WLW, WOC, WSAI.
1 a. m.	12 m.	11	10	9	KGW, KPO, WHAD, WLW.
2	1	12 m	11	10	WLW.

Thursday

Atlantic	Eastern	Central	Mountain	Pacific	Stations
7 p. m.	6	5	4	3	WBZ, WCX, WIP, WREO, WWJ.
8	7	6	5	4	KGO, KSD, WEAF, WEAR, WGBS, WHAD, WJR, WMAQ, WOAW, WOK, WWJ.
9	8	7	6	5	KYW, WBBR, WBZ, WCAU, WCCO, WCX, WEAR, WEEI, WGR, WGY, WHAR, WHT, WLS, WLW, WMBB, WOAW, WQJ, WTAG, WTIC.
10	9	8	7	6	KHJ, KLDS, WBAP, WCAE, WCAU, WCBD, WCCO, WEAF, WEEI, WGR, WHAR, WHAS, WJAR, WJAZ, WNYC, WOC, WORD, WRC, WSAI, WSB, WTAG.
11	10	9	8	7	KNX, KPRC, KTHS, KYW, WAMD, WGR, WGY, WHAD, WJAZ, WMC, WOAW, WOC, WSAI.
12 m.	11	10	9	8	KGO, KPO, KTHS, WBAP, WJAZ, WKRC.
1 a. m.	12 m.	11	10	9	KGW, KPO, WHO, WKRC.

Friday

Atlantic	Eastern	Central	Mountain	Pacific	Stations
7 p. m.	6	5	4	3	KGO, WCX, WMCA, WREO, WWJ.
8	7	6	5	4	KGO, WEBJ, WGY, WHAD, WJR, WMAQ, WOAW, WOK, WOR, WTIC.
9	8	7	6	5	KYW, WAHG, WAMD, WBZ, WCAU, WCX, WEBJ, WEEI, WHT, WLS, WQJ, WWJ.
10	9	8	7	6	KFDM, KFNF, KFOA, KGO, KHJ, KSD, KYW, WBAP, WBZ, WCAU, WDAF, WEEI, WHAD, WJAR, WMAQ, WMCA, WSAI.
11	10	9	8	7	KFAB, KFDM, KOA, WCCO, WHAD, WMAQ.
12 m.	11	10	9	8	KFMX, KHJ, KNX, KPO.
1 a. m.	12 m.	11	10	9	KPO.

Monday, June 14

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific	
8 p. m.	7	6	5	4	WBBR (272.6m-1100kc), Syrian music.
8:20	7:20	6:20	5:20	4:20	WOAW (526m-570kc), Helen Higgins, pianist.
8:30	7:30	6:30	5:30	4:30	WFAA (475.9m-630kc), Ford's Texas Trumpeters.
9	8	7	6	5	WHAR (275m-1090kc), Flag day program.
9:30	8:30	7:30	6:30	5:30	WLWL (288.3m-1040kc), Schickerling concert.
10	9	8	7	6	KMOX (280.2m-1070kc), The Wanderer.
10:30	9:30	8:30	7:30	6:30	KPRC (296.9m-1010kc), Max E. Shippee, tenor.
11:10	10:10	9:10	8:10	7:10	KTHS (374.8m-800kc), Organ favorites.
1 a. m.	12 m.	11	10	9	KGW (491.5m-610kc), Vaudeville. KMOX (280.2m-1070kc), Rendezvous club. WBAP (475.9m-630kc), Harmonica and ukulele contest.

For stations silent tonight refer to first Monday's list.

Atlantic or Eastern Daylight Saving Time Stations

CKNC, Toronto, Can. (356.9m-840kc), 9 p. m., CKNC Chamber orchestra; Mrs. Harry Hogdetts, soprano.
WAHG, Richmond Hill, N. Y. (315.6m-950kc), 7:30 p. m., Boy Scouts program; 8, Synchrophase hour; 9, Major Dent Atkinson; 9:15, Janet Bush-Hecht, contralto; 9:30, studio program; 10:20, Ferrucci's Radio Raiders; 11:02, Ferrucci's Radio Raiders; 12, Frank Tremer's Orionites.
WBBR, New York, N. Y. (272.6m-1100kc), 8 p. m., Syrian music, Prof. Toufic Moubaid, Elizabeth Awad.
WEAF, New York, N. Y. (491.5m-610kc), 6-12 midnight, A. and P. Gypsies; Grand opera; Ben Bernie and his orchestra.
WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., Vincent Lopez Hotel Statler dance orchestra; 9, Buffalo State Normal Program; 9:30, 174th Infrantry band; 10:30, concert, Mrs. Martha E. Hudson and associates; 11, Vincent Lopez Hotel Statler dance orchestra.
WHAR, Atlantic City, N. J. (275.1m-1090kc), 8 p. m., Flag Day, patriotic program; Seaside hotel trio; 11, Follies Bergere dance orchestra.
WHN, New York, N. Y. (361.2m-830kc), 6:30 p. m., WHN movie club; 8, Roseland dance orchestra; 8:30, George's Surprise; 9, Leverich Three and "Peter the Great"; 9:30, Loew's New York orchestra; 10, Palisades Amusement Park orchestra; 10:30, Leroy Smith's orchestra; 11, Cotton club orchestra; 11:30, Club Alabam orchestra; 12 midnight, Silver Slipper orchestra.
WJZ, New York, N. Y. (454.3m-660kc), 7 p. m., Hotel Madison dinner concert; 7:55, John B. Kennedy; 8, Astor Coffee orchestra; 9, Reading Seashore band; 10, Moorland hour; 10:45, Waldorf-Astoria orchestra.
WLWL, New York, N. Y. (288.3m-1040kc), 8:30 p. m., program; 9:30, Schickerling concert; 10, study club.
WMCA, New York, N. Y. (340.7m-880kc), 6:30 p. m., Ernie Golden and his Hotel McAlpin orchestra; 9:15, Hardman Hour of Music; 12, McAlpin entertainers.
WOR, Newark, N. J. (405.2m-740kc), 6:30 p. m., Jacques Jacobs' Hotel Shelton ensemble; 7:30, Copenhagen quartet; 8:45, Klein's Serenading Shoemakers; 11, Larry Siry's Hotel Ambassador orchestra.

Eastern Standard or Central Daylight Saving Time Stations

WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., dinner program, orchestra; 8-10, musical, vocal and instrumental solos; 10-11, ensemble.
WGHB, Clearwater, Florida (265.3m-1130kc), 8:30-10 p. m., Frank Delemater, contralto; Max Hartlette, pianist.
WGY, Schenectady, N. Y. (379.5m-790kc), 5:30 p. m., Hotel Van Curler orchestra; 6:30, studio program; 8-8:30, studio program.
WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Jean Goldkette's Petite symphony orchestra; 7:15, Casper Lingeman entertainers; 7:45, Goodwill Oakland; 9, Paige and Jewett Sixes; 11:30, Merry Old Chief.
WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9-10 p. m., classical concert; 10-11, special Monday night program; 11-12 midnight, Woodpile.
WRVA, Richmond, Va. (256.3m-1170kc), 8:45 p. m., special program, soloists, violin, piano selections, quartet, chorus; 9, Virginia folk lore; 9:15, musicale; 10:30, orchestra; 11:30, Carry Me Back to Old Virginny.
WSAI, Cincinnati, Ohio (325.9m-920kc), 8-10 p. m., WEAF; 10, musical program, Greenland's orchestra.
WTAM, Cleveland, Ohio (389.4m-770kc), 6 p. m., Hollenden hotel orchestra; 8, Willard symphony; 9, studio program; 10, Willard symphony.
WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7, studio program; 8, WEAF; 9, News orchestra.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., dinner program; 8:30-10:30, Buick Master Six orchestra.
KFKX, Hastings, Nebr. (288.3m-1040kc), 9-11 p. m., musicale, W. M. Dutton and Sons company.
KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., Mrs. Jacque Landree, organist; 8, Dixie Four quartet, orchestra, light opera selections; 9, Alice Maslin, pianist; 10, Music Lovers' hour, orchestra, classical selections; 11, Rendezvous club.
KOIL, Council Bluffs, Iowa (277.6m-1080kc), 6:03 p. m., Ray Rice, banjoist; Ivan Collen, pianist; Eric Thornton, tenor; 6:30, Merry-Makers; 8, Grace Hansen, soprano; Germozone quartet; Zelpha Giles, Harley Case; 9, Ray Winn and his Paramount orchestra; Barnyard Twins, Walt and Ray; 11, Al Reese and his Broadway orchestra.
KPRC, Houston, Tex. (296.9m-1010kc), 7:30 p. m., Mrs Thomas Hughes Hardy, contralto; 7:45, Blue Melody Boys; 8:30, Max E. Shippee, Radio tenor; 9, Rozelle Winder, reed artist; 9:15, Houston Fireman's band.
KSD, St. Louis, Mo. (545.1m-550kc), 8 p. m., WEAF.
KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10 p. m., Lawson Reid, organist; 9:30-10, New Arlington hotel orchestra; Como Hotel Roof Garden orchestra; vocal solos, Mrs. Charles Caldwell; New Arlington hotel orchestra.
KUOA, Fayetteville, Ark. (299.8m-1000kc), 8 p. m., musical program.
WBAP, Fort Worth, Texas (475.9m-630kc), 7:30-8:30 p. m., Northern Texas Traction company; 9:30-11, Hawaiian numbers, Wagner Hawaiian trio; 11-12 midnight, Star-Telegram harmonica and ukulele contest.
WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., Trianon ensemble; 8-9, Ivanhoe band; 9-10, Star's Radio orchestra; 11:45-1 a. m., Ted Weems' Victor Recording orchestra; Ted Meyn, organist; Earl Coleman's orchestra.
WFAA, Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m., Ford's Texas Trumpeters; 8:30-9:30, Sears-Roebuck Agricultural Foundation program.
WHB, Kansas City, Mo. (365.6m-820kc), 7-8 p. m., musical program, Sweeney Radio orchestra.
WOAI, San Antonio, Texas (394.5m-760kc), 8:30 p. m., Sunshine Laundry orchestra.
WOAW, Omaha, Nebr. (526m-570kc), 6:20 p. m., Frank Peterson, tenor; Helen Higgins, pianist; 6:50, Randall's Royal Fontenelle orchestra; 9, classical.
WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., Andrew Jackson hotel trio; 8:15, piano recital; 10, Vito Pellettieri and his orchestra.
WSMB, New Orleans, La. (319m-940kc), 8:30 p. m., Dixola Novelty orchestra; Strand theater concert orchestra; St. Charles theater orchestra.
WSUI, Iowa City, Iowa (483.6m-620kc), 8 p. m., School of Music.

Mountain Standard Time Stations

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra; 8, Flag Day exercises, Denver Lodge No. 17, Elks.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Owen Fallon and his Californians; 8-9, popular program; 9-10, program, Walter M. Murphy Motors company, also broadcast by KPO; 10-11, program arranged by Meiklejohn Brothers.
KFOA, Seattle, Wash. (454.3m-660kc), 6:45-8:15 p. m., studio program; 8:30-10, Goodrich Silvertown Cord orchestra.
KFWB, Hollywood, Calif. (252m-1190kc), 6:30-7:30 p. m., Pontiac Six dinner hour; 7:40-8:10, program, Dr. Ralph Mitchell and Associated Dentists; 8:10-9:10, program, Corduroy Tire Stores, inc.; 9:10-10:10, program, Eureka Vacuum Cleaner company; 10:10-11, Warner Brothers frolic.
KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-9, vaudeville entertainment; 9:15-12 midnight, Cole McElroy's dance orchestra.
KNX, Hollywood, Calif. (336.9m-890kc), 7-7:30 p. m., Mutual Motors mirth contest; 7:30-8, program, Overell's Furniture company; 8-9, L. W. Stockwell company program; 9-10, Stephens Motors minstrel show; 10-11, Goodrich Silvertown Cord dance orchestra; 11-12, Cocoanut Grove dance orchestra.
KWSC, Pullman, Wash. (348.6m-860kc), 8-9:30 p. m., Aloha Harmonizers; Horace Trimble; Ola Bain, James Lemley, Will DeNeff; songs, L. A. Kirtland.

STEWART-WARNER IS AIDING SAFETY FIRST

PLAYLETS AND TALKS ARE SUPPLIED TO STATIONS

Purpose Is to Prevent Automobile Accidents to Motorists and Pedestrians —Marcus A. Dow Is Head

CHICAGO.—An "Oral Safety Chain" is being forged that will extend around the United States. Its links are words which will be welded directly and through the air. Its purpose is to aid in the prevention of automobile accidents to motorists and pedestrians.

This chain is the conception of Marcus A. Dow, past president of the National Safety council, and director of the Stewart-Warner Safety council.

Under the comprehensive plan just completed, safety playlets and safety talks will be broadcast by stations scattered throughout the country. Already the following stations have agreed to cooperate with Mr. Dow: WAMD, Minneapolis; WSBF, St. Louis; WMC, Memphis; WHAD, Milwaukee; WRVA, Richmond, Va.; WHB, Kansas City, Mo.; KHJ, Los Angeles, and a station in Wilkes-Barre, Pa. They have been signed up by Stewart-Warner representatives in the cities where the stations are located.

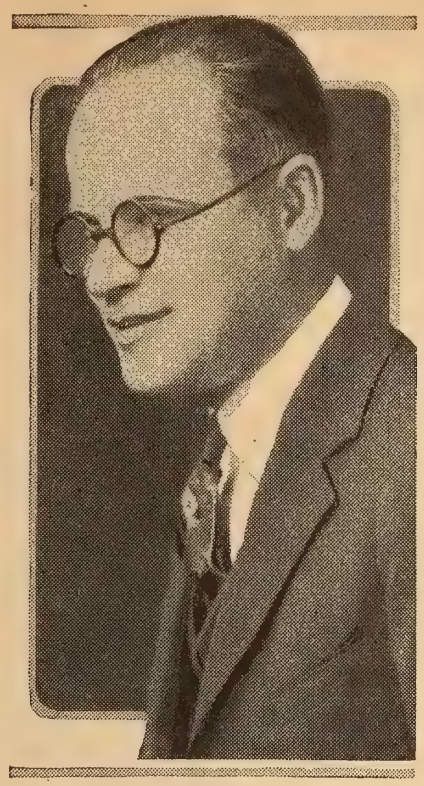
Give Playlets and Talks

Mr. Dow himself has been booked to give a series of safety talks in Louisville, Memphis, Worcester, Mass.; Reading, Pa.; Omaha, Salt Lake City, Oakland, Calif; Los Angeles, and other cities. These talks are under the auspices of the local safety councils or the safety committee of local associations or chambers of commerce.

In addition, the safety playlets or talks will be broadcast over Station WBBM, Chicago, the studio of which is located in the corporation's offices. The playlets are worked out from Mr. Dow's ideas by the studio staff of WBBM. Copies of the playlets are then immediately forwarded to the other stations in the chain where they are released for broadcasting on Thursday of each week.

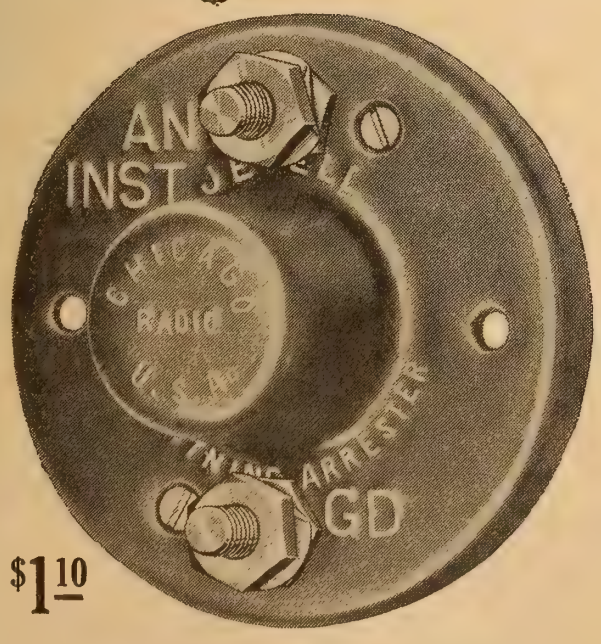
It is Mr. Dow's plan to make as many safety addresses as time will permit. Associations of commerce or safety councils in the United States are advised to write him at 1826 Diversey parkway in the event they desire his services.

BLINDNESS DOESN'T BLOCK HIS SUCCESS



NEW YORK.—Arthur Stone, considered America's best blind pianist, has entertained WEAF's audience on many occasions. In addition to being a pianist and despite his handicap, Mr. Stone is a master of the piccolo and an orchestra leader of exceptional ability. He enjoys the distinction of being among the first to introduce orchestras in vaudeville. Several years ago Stone's orchestra was considered the best of its kind.

JEWELL



$1.10

Jewell Lightning Arrester

APPROVED *by* UNDERWRITERS for INDOOR and OUTDOOR INSTALLATIONS

Don't take any chances. Comply with National Board of Fire Underwriter's code which calls for installation of a lightning arrester with all outdoor antennas.

JEWELL ELECTRICAL INSTRUMENT CO.

1650 Walnut St., Chicago

"26 Years Making Good Instruments"

"I've just had a lesson in radio economy, and, believe me, it's illuminating"

"I WENT into my radio dealer's this noon for a couple of Eveready 'B' Batteries and said, 'Tom, give me a pair of Eveready 45-volt "B" Batteries, No. 772's.'

" 'How many tubes in your set, Jim?' he asked.

" 'Five,' I answered.

" 'Then what you want is a pair of Eveready Layerbilt No. 486's.'

" 'Why?' I asked.

" 'Because the Eveready 772's are meant for sets having one to three tubes. With average use of the set, and used with a "C" battery*, they should last a year or longer. But on a five-tube set, with average use and with a "C" battery, they will only last about four months. Anyone with a four or five tube set should buy a pair of Eveready Layerbilts No. 486. Used with a "C" battery they should last eight months or longer.'

" 'Yes, but the 772's cost only $3.75 each,' I said, 'and the Layerbilt $5.50. There's some difference.'

" 'Well, figure it out for yourself,' said Tom. *'Two* sets of 772's should last you about eight months, and will cost you $15.00. *One* set of Eveready Layerbilts should last about eight months, and will cost you only $11.00.' "

The simple rules for this satisfaction and economy are:

On 1 to 3 tubes—Use Eveready No. 772.

On 4 or more tubes—Use the Heavy Duty "B" Batteries, either No. 770, or the even longer-lived Eveready Layerbilt No. 486.

On all but single tube sets—Use a "C" battery.

When following these rules, the No. 772, on 1 to 3 tube sets, will last for a year or more; and the Heavy Duties, on sets of 4 or more tubes, for eight months or longer.

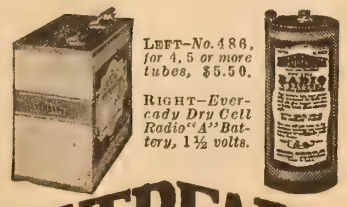
We have prepared for your individual use a new booklet, "Choosing and Using the Right Radio Batteries," which we will be glad to send you upon request. This booklet also tells about the proper battery equipment for use with the new power tubes.

Manufactured and guaranteed by
NATIONAL CARBON CO., Inc.
New York San Francisco
Canadian National Carbon Co., Limited
Toronto, Ontario

*NOTE: A "C" battery greatly increases the life of your "B" batteries and gives a quality of reception unobtainable without it. Radio sets may easily be changed by any competent radio service man to permit the use of a "C" battery.

Tuesday night means Eveready Hour—8 P. M., Eastern Standard Time, through the following stations:

WEAF—*New York*	WSAI—*Cincinnati*
WJAR—*Providence*	WTAM—*Cleveland*
WEEI—*Boston*	WWJ—*Detroit*
WTAG—*Worcester*	WGN—*Chicago*
WFI—*Philadelphia*	WOC—*Davenport*
WGR—*Buffalo*	WCCO—*Minneapolis, St. Paul*
WCAE—*Pittsburgh*	KSD—*St. Louis*



LEFT—*No. 486, for 4, 5 or more tubes, $5.50.*

RIGHT—*Eveready Dry Cell Radio "A" Battery, 1½ volts.*

EVEREADY Radio Batteries
-they last longer

DIRECTING MOVIE AT SEA REAL PROBLEM

THEN PARAMOUNT'S TECHNICIANS FOUND RADIO

Pirate Battle of "Old Ironsides" Filmed Under Direction of Special Broadcasting Station

LOS ANGELES.—Radio has again come to the rescue and fans of the silversheet will be able to see scenes on the screen that would have been impossible to film without the help of Radio.

Several months ago when the Famous Players-Lasky company conceived the idea of another epic photoplay picturing the conquest of the old frigate "Old Ironsides" against the pirates of Tripoli, which holds such a romantic place in our national history, it was realized that for the filming of the big sea battle most of the boats engaged in the fray would be out of range of the human voice. Direction by a thought-out plan, supplemented by wig-wags, as well as field amplifiers soon proved to be practically worthless.

Broadcast Station Is Solution

It was decided that some means of utilizing Radio would be the solution, and the technical staff of Paramount's west coast organization was set to work, the result of which was the building of a 110-meter broadcasting station of low power and twenty-six receivers fixed to tune but to one wave length.

The receivers were installed on the various vessels in the directing of the picture and it was only necessary that Director James Cruze talk into a microphone in an ordinary tone of voice in order to command the movement of twenty-six ships and more than 2,000 actors aboard them.

Effort Believed First of Kind

It is thought this is the first time a motion picture has actually been directed by Radio. The movie companies have long used field amplifiers, or public address systems as they are better known, to control large mob scenes but the field amplifier with its necessary connecting cables was useless on the high seas where the various ships at times were separated by miles and it was necessary to make a practical application of the broadcast station do the work.

The call letters of the station used in the filming of "Old Ironsides" are KFP. The sea scenes were all taken near Catalina Island off the southern California coast.

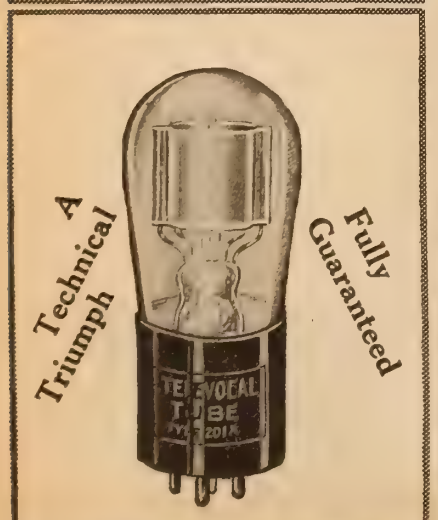
WDAF Adds New Studio

KANSAS CITY, Mo.—One more studio has been added to the string from which entertainment is supplied for the listeners of WDAF, the broadcasting station of the Kansas City Star. It is the one installed by the Ivanhoe Masonic Lodge in the Ivanhoe temple. It will be used for a series of Radio concerts by the Ivanhoe band and glee club.

Isbell Town Crier at KNX

HOLLYWOOD.—Harold Isbell, for the past year staff announcer of KYW and who conducted the Insomnia club broadcasts from that station for many months, has once more felt the urge of California and has returned to Los Angeles where he is taking over the job as Town Crier of the Night Watch for Station KNX.

Televocal
QUALITY TUBES



Televocal Corp'n
61 A Fifth Ave. ~ ~ New York

CANADA TURNS DEAF EAR TO COMPOSERS

MONTREAL.—Although confirmation is not available, rumors are strongly gaining ground to the effect that Canadian legislature will flatly refuse to give further hearings to Societies of Authors and Composers with a view of amending the copyright act bill to enable the societies to collect fees from broadcasters, theaters, churches, etc. This is the result of combined efforts on the part of the Canadian Association of Broadcasters, the various Radio listening clubs, the theater and moving picture organizations and church bodies.

COOLIDGE BROADCASTS WILLIAMSBURG SPEECH

WRVA Handles Sesquicentennial of Virginia Convention

RICHMOND, Va.—The celebration of the sesquicentennial anniversary of the passage by the Virginia convention of 1776 of a resolution instructing its delegation in congress to declare the United Colonies free and independent from Great Britain, took place at Williamsburg, Va., May 15, with President Coolidge making the address, which was broadcast by WRVA, here.

The bell of Old Bruton church rang as it did 150 years ago, when it announced to Colonial Williamsburg that the Virginia convention had taken the first definite steps towards the independence of the United Colonies.

Radio Franks Now Become Movie Actors on Phonofilm

NEW YORK.—The Radio Franks, leading favorites among broadcasting artists, made their metropolitan debut as motion picture actors recently in a De Forest Phonofilm at the Rivoli theater, here. The Phonofilm of the Radio Franks, one of the most recent produced at the De Forest studios shows the popular singers broadcasting.

The voices of the two Franks, perfectly synchronized with the movements of their lips, are reproduced in this Phonofilm in a most faithful manner as the picture is screened. The illusion created is that of the pictures actually singing.

Izaak Walton Worshippers Begin Fishing for WAMD

MINNEAPOLIS.—WAMD, the Radisson hotel station, here, is now broadcasting every Monday and Friday, authentic fishing reports from the fishing regions in Minnesota and Wisconsin. The reports are given at 7:05 p. m. Central time.

The reports contain information as to the abundance of fish, the best method of catching them in the different parts of the state and the kinds of fish to be caught.

FREE! To Each Purchaser of a WORLD 6 V. Auto or Radio BATTERY

12-Cell—24-Volt Storage 'B' Battery

Positively given free with each purchase of a WORLD "A" Storage Battery. You must send this ad with your order. WORLD Batteries are famous for their guaranteed quality and service. Backed by years of successful manufacture and thousands of satisfied users. Equipped with *Solid Rubber Case*, an insurance against acid and leakage. You save 50 per cent and get a

2-Year Guarantee Bond in Writing

WORLD Battery owners "tell their friends." That's our best proof of performance. Send your order in today.

Solid Rubber Case Radio Batteries
6-Volt, 100-Amperes $11.25
6-Volt, 120-Amperes 13.25
6-Volt, 140-Amperes 14.00

Solid Rubber Case Auto Batteries
6-Volt, 11-Plate $11.25
6-Volt, 13-Plate 13.25
12-Volt, 7-Plate 16.00

Send No Money Just state battery wanted and we will ship day order is received, by Express C. O. D. subject to your examination on arrival. FREE "B" Battery included. Extra Offer: 5 per cent discount for cash in full with order. Buy now and get a guaranteed battery at 50 per cent saving to you.

Approved and Listed as Standard by Leading Authorities Including Radio News Laboratories, Popular Science Institute of Standards, Popular Radio Laboratories, Radio Broadcast Laboratories, Radio in the Home, and Lefax, Inc.

WORLD BATTERY COMPANY
1219 So. Wabash Ave., Dept. 48 CHICAGO, ILL.

World STORAGE BATTERIES

Set your Radio Dials at 210 meters for the new 1000 watt World Storage Battery Station, WSBC, Chicago. Watch for announcements.

WOKA WEAF WGN WJZ KHJ KGO KFAF WJYC KO

Photogravures of Your Favorite Artists

GALLERY OF RADIO STARS

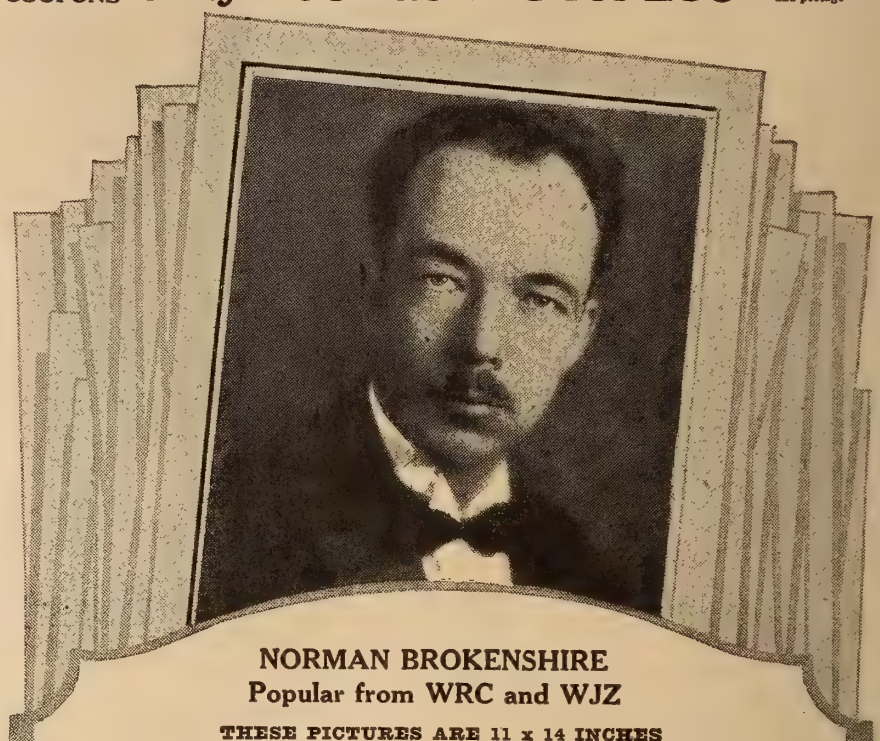
SUITABLE FOR FRAMING OR PLACING IN YOUR ALBUM

BY SPECIAL arrangement, Radio Digest is able to offer its readers a great opportunity to secure fine photogravures of their favorite Radio stars at practically no cost.

Radio fans will be able now, by this very special offer, to have pictures of their favorite artists and announcers before them when they listen in.

All that is necessary to secure photogravures from the Gallery of Radio Stars is to send the coupon published each week in Radio Digest, accompanied by ten cents to cover the cost of mailing and postage. Where a series of three photogravures is desired, it will only be necessary to send twenty-five cents and three consecutively numbered coupons clipped from Radio Digest. Remittance must accompany the coupon. Cash at your risk. Add 5 cents to personal checks for exchange.

WITH COUPONS **Only 10c Each -- 3 for 25c** To cover cost of mailing and postage



NORMAN BROKENSHIRE
Popular from WRC and WJZ

THESE PICTURES ARE 11 x 14 INCHES

Select Your Favorites from the Gallery of Radio Stars

1 Wendell Hall, king of ukulele ditties
2 Graham McNamee, 1925 Gold Cup announcer
3 Jack Little, popular wandering balladist
4 Billy B. Van, the Sunshine Man
5 Coon-Sanders' "Nighthawks" at KYW
6 George Hay, 1924 Gold Cup announcer
7 Harmony Girls, Edith Carpenter, Grace Ingram
8 Ford and Glenn, Lullaby Boys of WLS
9 "Roxy" Rothafel of WEAF chain fame
10 The Hired Hand, famous "Substitute Announcer" of WBAP
12 Bob Emery, Big Brother of WEEI
13 "Bill" W. G. Hay, ex-KFKX, now of WLIB
14 Happiness Boys, jovial singers of WEAF
15 Lambdin Kay, "Little Colonel" of WSB
16 Leo Fitzpatrick, "Merry Old Chief," WJR
17 Henry Field, 1925 Gold Cup runner-up
18 Al Carney, organ favorite at WHT
20 Vincent Lopez, No. 1 Pennsylvania orchestra
21 E. L. Tyson, pleasing voice at WWJ
23 Art Gillham, "The Whispering Pianist"
25 Harry Ehrhart, "Dream Daddy" of WLIT
26 Correll and Gosden of "Kinky Kids Parade" fame, at WEBH and other stations.
27 Norman Brokenshire, popular at WRC, WJZ
29 Jane Novak, Blues Singer of Twin Cities, WCCO
30 Jean Sargent, the original, now at WHT
31 Ralph Emerson, popular organist at WLS
32 Edna Adams, of KPRC
33 Pat Barnes, vaudeville announcer at WHT
38 Walter Wilson, "Uncle Bob" of KYW
40 Ray-O-Vac Twins, known country-wide
41 Art Linick, KYW's Mrs. Schlagenhauer
42 Fred Hamm of WTAS, now WLIB, fame
43 Meyer Davis' Le Paradis orchestra of WRC
46 D. R. P. Coats, 1925 Silver Cup announcer
47 Gene Rouse, WOAW's popular announcer
49 Iris Ruth Pavey, KOA's invisible stage beauty
51 Ipana Troubadours, on the WEAF Chain.

Have the Pictures of These Stars

Send Coupon Now

Your radio set gives you these voices.

These pictures add very much to your complete entertainment.

ACT TODAY

COUPON NO. 21

This coupon entitles the holder to one photogravure selected from the Radio Digest Gallery of Radio Stars when accompanied by ten cents to pay the cost of mailing and postage. Three consecutively numbered coupons entitle the holder to three photogravures when accompanied by 25 cents. Remittance must accompany the coupon. Cash at your risk. Add 5 cents to personal checks for exchange.

Order by Number.....

RADIO DIGEST PUBLISHING CO.
510 N. Dearborn St. Chicago, Ill.

RADIO INVENTION IS DEADLIEST WEAPON

MAY DESTROY CITIES AND FLEETS MILES AWAY

British Government Buys Air Torpedo from Young New Zealander; Apparatus from Ground

LONDON, Eng.—An invention that will add indescribable terrors to the air warfare of the future has just been purchased by the British government from Captain A. J. Roberts, a young New Zealand inventor.

Captain Robert's invention is a secret method of Radio control, proof against interference. With it he has produced a weapon with which entire cities can be torpedoed and air fleets defeated without one man risking his life in the air.

A man on the ground will be able to torpedo a city 80 to 100 miles away, or fight a raiding air fleet single-handed.

Looks Like a Miniature Plane

Official experiments have conclusively proved that no other apparatus except that controlled by Capt. Roberts can have any influence on the torpedo in the air.

The invention takes the shape of a miniature airplane built on the usual lines. Once in the air it can be sent in any direction from the ground and can be used exactly like the torpedo fired from warships. During the official tests Captain Roberts demonstrated the torpedo on the ground, using a control apparatus of only one-half the power of the Radio apparatus with which experts endeavored in vain to jam or influence the torpedo.

The new torpedo is capable of dealing destruction within a radius of 100 miles. Its cost is comparatively low, and it can be landed in perfect safety should it misfire in the air.

London Voice Reaches Mexico with 15 Watts

Birmingham Man Claims No Antenna Is Used

LONDON.—Derek Shannon, of Birmingham, England, has invented a new Radiotelephony system which dispenses with the use of aerial and earth connections, it is reported.

Recently conversation was successfully maintained by his system between a ship in the English channel and a private house in Guernsey, one of the channel islands.

Mr. Shannon has succeeded, according to the announcement, in speaking to Mexico City, Mexico. To accomplish this feat the inventor states that the input power to the transmitter was only fifteen watts, as compared with 200,000 watts, the power used by the Rugby phone station when communicating in tests with New York recently.

Radio-Paris on Market

PARIS, France.—Rumors are current here that broadcasting station "Radio-Paris" is in the market, and that an offer by the present owners to sell for 200,000 francs has been made to two different interests.

LOCATES LOST BROTHER IN AFRICA

To Crockett Ellis, above, an amateur Radio operator with a homemade short wave transmitting and receiving set, located at Memphis, Tenn., Mrs. Lydia Nelson, of San Francisco, Calif., owes credit for getting into communication with a brother who had been missing for 25 years, and who was located finally in South Africa.

By Aubrey Betts

TO CROCKETT ELLIS, an amateur wireless operator with a homemade short-wave transmitting and receiving set, Mrs. Lydia Nelson, of San Francisco, Calif., owes credit for getting into communication with her brother Sigfred Yenson, who had been missing for 25 years, and who has finally been located in South Africa.

Ellis, who lives at 976 Oakview street, Memphis, Tenn., was listening in at his homemade set the other day when he heard a message to the effect that the sender was operating in Capetown, South Africa, and that Sigfred Yenson was present.

The message also requested any listener in to relay the message on to Yenson's sister in San Francisco. A thrill of elation shot through young Ellis as he comprehended the significance of the message.

Detectives Search in Vain

Nerves taut, he pressed the head phones tightly against his ears, so that not a word would he miss. And when he had received the entire message, he leaped from his chair to the telephone and soon a telegram was speeding over the wires—a telegram for Mrs. Lydia Nelson, of San Francisco, Calif., and containing information which her heart had hungered for over a long period of years.

Yenson disappeared 25 years ago. When five years had passed and Mrs. Nelson did not hear from her brother she became somewhat uneasy about him. High-priced detectives were employed by her, and expeditions were sent out whenever she could find a seeming trace of him, but all to no avail.

Woman Queries by Radio

Still the years sped, but slowly for the grieving sister. Radio began to come into prominence, and Mrs. Nelson appealed to broadcasters, and they did all that they could—they broadcast her message for news of Sigfred Yenson.

One night a man in far-off Capetown, South Africa, heard the appeal. He knew Yenson. He got busy with his transmitting set, and the message which he sent flashing through the ether was:

"Yenson is found. Notify sister, Lydia Nelson, of San Francisco, Calif."

And that was the message that young Ellis, in Memphis, Tenn., picked up with his set.

Operator Elated but Modest

Ellis is very modest about accomplishing what he did in this matter.

"I merely happened to be the fortunate one to hear the appeal," he said. "Anyone else would have done the same thing."

Ellis has one of the best homemade stations in the United States. He has been in communication with Brazil, Argentina, Chile, Mexico, Belgium and Hawaii. Other foreign countries or far-off places which he had been in communication with are: Canada, New Zealand, Australia, Porto Rico and many others—twenty-four in all, outside of the United States.

Sister Is Proud

Ellis is 20 years old, and has been interested in Radio for about three years. He has a sister who is attending the University of Tennessee, at Knoxville, and with whom he keeps in communication via Radio. And she is quite proud of her brother and his little homemade station, and their being the connecting link, as it were, that brought a brother and sister together again after a quarter of a century, and where private detectives, hundreds of telegrams, scores of cables and several expeditions had failed.

Pup Is Thrilled by Announcer's Voice

Young Boston Bull Creates Rumpus When He Hears Master Talking Through Radio Receiver

BERRIEN SPRINGS, Mich.—Modern collections of animal stories would be quite incomplete without a Radio animal story, so Trix, young Boston bull, belonging to John E. Fetzer, chief engineer and announcer at WEMC, "The Radio Lighthouse," located here, would like to add his chapter.

Trix lives back home in Lafayette, Indiana, and every time John goes home, his faithful terrier registers fits of joy in his efforts to extend a hearty welcome.

But the folks at home always make it a point to tune in WEMC, especially when Mr. Fetzer announces. Although Trix is a Radio fan and member of the I Won't Bloop Club, yet the announcement, "This is WEMC, the Radio Lighthouse, at Berrien Springs, Michigan," recently aroused the dog from his sound twilight sleep on the parlor rug.

In Which No John Is Found

In an instant he was up, and the wag of his tail and the twinkle in his eye indicated that there is more truth than poetry to the slogan: "His Master's Voice." First he thought he would try the front door, then the back door, but nobody was there. Then pell mell into the parlor he went again—and upstairs—but no "master" could he find.

Again, "The selection you just heard from WEMC was—," and through the house again Trix tore in frantic search for his master whom he simply knew must be there. As the strains of orchestra music died away, Trix, tired and discouraged, found his way back to his restful corner a disappointed, but we hope a Radio wiser dog.

"Sam 'n' Henry" Are Sought For Phonograph Recording

CHICAGO.—"Sam 'n' Henry," WGN's famous comic strip characters, who make their appearance each night at 10 o'clock, Central time, in one of their humorous adventures, are being eagerly sought by the representatives of several phonograph companies in an effort to put their delicious dialogue into permanent form. Sam 'n' Henry, however, have managed to elude all of the Radio fans who are seeking to learn their true identity.

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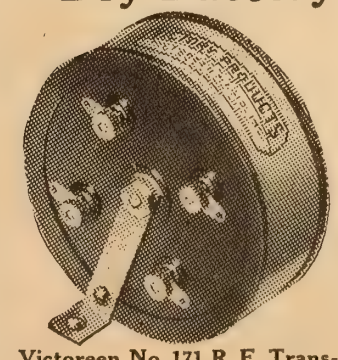

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"BIG RABBIT"

(Continued from page 8)

branches far out, half roofing the cleared space.

The sawdust covered ground had been packed by the tramp of thousands of feet. Evidently it was an island, slighty higher than the swamp, for all along the sides, water showed between the trees. Gigantic live oaks, cypress and between them huge magnolias, now in full bloom, towered. The trees seemed rooted in the water itself, or the swamp slime.

The spreading limbs of the oaks formed a roof, open in the center as if a section had been thrown back—and through this stars shone. Moss hung like filmy drapery from the limbs. Giant pendants of fragrant jasmine trailed downward through the interstices of foliage. Along the sides of the weird forest nave at intervals the pink of the Judas trees and the white, feathery bloom of the wild plum added the color touches to the decorations.

Strange and weirdly beautiful as the scene was, it was forgotten at sight of the congregation gathered within it. Almost a thousand negroes, half wild men and women from the turpentine camps, the lumber mills, and the fisheries were congregated.

THERE were sullen, beastial human animals from the lumber camps, graduates of the convict labor system of slavery, mingling with the river negroes; their rivals in strength, their superiors in intelligence. Hundreds of them were deformed by years of lifting, hauling and sawing, and from the abuse of brutal overseers.

The women, brazen, screaming, chattering, circulated through the throng; wilder, freer and more terrible in their utter abondonment of the shackles of semi-civilization than their males.

Almost every man bore a huge pine torch. The flaring lights and the resinous smoke added to the weirdness of the scene, such as none but an insane Dante could have pictured. A low, growling undertone filled the air, above which pierced shrill screams and savage, snarling voices. At intervals the wild screeching of women, rising in anger or in more terrible mirth, broke the monotone.

Danforth and I, bewildered at first, were becoming able to think clearly and distinguish individual scenes. As our eyes pierced through the red glow of pine knot flames and the fog of resinous smoke, we discerned at the opposite end of the natural woodland cathedral, a crude, stage-like structure. It was open at the side facing the clearing, and occupied almost half the width of the swamp-island.

It was built of rough lumber and was set on piling which raised it amost five feet above the level of the ground. Set on the ground at either side of the stage were large kettles, discarded by some turpentine still, and now filled with turpentine chips which blazed furiously, sending up two columns of fire and smoke, rising straight in the still air with such volume of heat as to set the moss hanging from limbs fifty feet above them swaying. A large chair, rudely carved, occupied the exact center of the stage and at the right of it was a smaller chair which was elevated on a small dias. We could not distinguish objects clearly from our station near the rear of the assemblage because of the heaviness of the smoke and the glare of flares and torches.

"Come on," Danforth said. "We're safe. Lets get closer. The show is about to commence, I think, and we want seats closer to the stage. We may want to take part in the performance."

I started as if he had struck me. The wild scene, the constant motion of the people, the surf beat of sound from human throats, the moving panorama of hideous faces, had hypnotized me. For several minutes I had forgotten the object of our presence and Danforth's voice close to my ear aroused me from the spell.

"COME on then," I said quickly. The spell was gone. A shiver of repulsion came with the realization of what it meant to the girl to behold such a scene. I drove a hand nervously into the side pocket of my coat and made certain the automatic was safe, then led the way.

We pushed steadily forward through the throng, avoiding the denser groups, and moved toward the stage. No one appeared to give us even the slightest attention and, reassured and emboldened we went forward until we were near the front, gazing upon the stage itself, as our amazement increased.

Wide stairs led from the floor of the stage down to the ground and at each end of these stairs narrow platforms extended four or five feet out from the stage itself and at the same level. These platforms were made of hewn railroad ties. Two gigantic negroes, naked to the waist, stood one at each end of the stairs, each holding a huge torch. Lying upon the railroad ties, with heads toward the crowd, were two immense alligators, their eyes blinking. Heavy chains had been welded around their necks and the chains were fastened to the ties by railroad spikes driven deep into the wood.

Suspended over the throne chair in the center of the stage was a thing which made me start back shuddering with horror and disguest. A bundle of writhing, twisting rattle snakes, bound together by wires looped around their necks, hung by a chain from the cross beam of the canopy. The snakes hung but a few feet above the chair itself and the constant whirr of their rattles could be heard over the din of the crowd.

"Don't go any further," Danforth said in low tones. "Don't cross that line drawn there. Evidently the hoi polloi isn't permitted to go nearer the stage than that."

"What is it all about?" I asked. "I can't make out what the object of all this is."

'Don't know. It's something big. The negroes are intensely excited. Wait here. I'm going to find out."

DANFORTH sauntered away carelessly and presently I saw him walk into the edge of one of the largest groups, where two men appeared to be the center of some fresh excitement. Then I remembered with sudden terror that, disguised as we were, it was probable neither of us would be able to recognize the other in that throng, even if we should chance to meet.

Fear that we would be unable to locate each other in case of sudden need disturbed me. Separating had been a mistake. It was too late to rectify it, and I determined to remain near where I was standing for a time at least, hoping he would return. The consciousness that I was accomplishing nothing, learning nothing, doing nothing to aid the girl we sought caused me to writhe inwardly.

Suddenly there was a seemingly spontaneous movement in the crowd, a murmur of expectancy. My ears had become accustomed to the din and were able to distinguish words and sentences from the jumble of noises. In that babel of voices I heard; "Big Rabbit," "White Gal," "Big

(Continued on next page)

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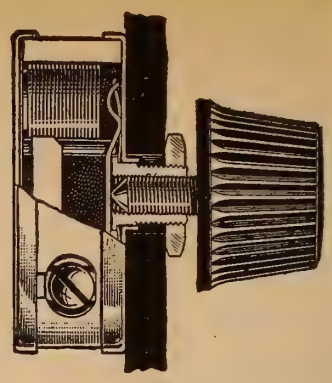

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6-1-26

"BIG RABBIT"

(Continued from page 28)

Rabbit done cotch 'em in de trap." A surge of bitter remembrance of my ridicule of Borton's 'superstition' came to me. A savage fear, a wild desire for action, seized upon me. The idea of waiting for Danforth was abandoned. I could not remain standing a futile spectator, while the girl I loved was in danger.

Danforth could shift for himself. I felt certain that, somewhere on the other side of that dead line, probably at the rear of the stage, Miss Tonneson was captive with her uncle, and that the giant negro, Trimble, was their jailer.

I determined to get behind the scenes and spoil the drama about to be staged. To attempt to cross the open space meant exposure and destruction, so I determined to make the effort to reach the rear of the rude structure by a flanking movement. No guard had been placed and it was evident the swarm of savages were being held in check by awe and superstition rather than by force.

SKIRTING along the fringe of the crowd I reached the side of the clearing without attracting any attention, stopped for an instant in the deep shadows of a live oak to see whether anyone was watching me, and hurried out of close range of the flaring lights of the open.

I found myself on a hard, beaten path, perhaps the extension of the one upon which we had entered the open glade, running close to the edge of the swamp water. Almost straight ahead, perhaps fifty yards back of the stage-like structure, was a single flaring light, and near it could be discerned by its flames, some sort of a structure.

Toward that I moved cautiously, holding my automatic ready for action, and keeping as closely as possible in the darkness of the tree shadows. I had almost reached the spot where the flare was burning when I stumbled and half fell over a body huddled at the base of a tree. Startled, I sprang back, and an exclamation burst from my lips.

"Who dar?" a frightened voice asked in a tense whisper. "'Tain't no niggah—I heerd yo' voice."

"Don't move, or I'll shoot!" I hissed, raising my gun with a feeling of desperation that my voice had betrayed me, and, perhaps ruined all our plans.

"Doan shoot, mistah, doan shoot!" It was the voice of a woman, hysterically sobbing from fright and nervousness. I groped with my hand and touched her. Her body shook and quivered with sobs.

"Who are you?" I whispered. "I'm desperate. Better answer quickly and don't scream."

Sobs and unintelligible words formed her reply. I seized the huddled figure and shook her. She was slight and her face was buried in her hands, as her body shivered with dry, gulping sobs. I dragged the hands from her face, half lifted her to her feet and at that instant the faint glare from the pine torch imbedded in the soft ground, illuminated her features.

"Tillie! Good Lord, is it you?"

IT WAS Tillie, Roberta Tonneson's colored maid. As I spoke her name her entire attitude changed. She sprang at me, alert and tigerish, grasped my arm so hard the nails bit into the flesh and in a hoarse, frightened whisper asked:

"Who is yo'? How cum yo' hyah?" Dey'll kill you."

"Where is your mistress, I've come to save her," I said, shaking her again, fearing a return of her hysterics.

"Dey'll kill you! De Big Rabbit'll kill you," she whispered in terrified tones.

"Where is she?" I repeated, shaking her again and again. "I must find her."

"Oh mistah, take us away, take us away," she implored. "Miss Bob she locked up in de cabin wif de majah, back yan."

She pointed back past the pine torch in the ground.

"Big Rabbit, he gwine hurt dem," she went on, clinging to me with the strength of terror. "He say he gwine humiliate dem. He gwine show dem who is de massah."

She sobbed again, and suddenly flared with anger.

"He tol' me he ain't gwine hurt dem," she said. "He done tol' me he gwine make me queen, dat's why ah help him. Now he say he all gwine whip de majah, and make Miss Bob bow down to him."

She was angry now; inspired with the fury of the woman scorned.

"Who is this Big Rabbit? Where is he?" I urged rapidly. "If you want to save your mistress help me."

"King Solomon, de Big Rabbit," she said cryptically. "Dat niggah, Trimble, he King Solomon. He say he was King ober in Afriky and he gwine be King hyah. He gwine whip de majah, and he gwine make Miss Bob tell de people he am de King."

Her love of her mistress, her indignation and jealousy were conquering her superstitious dread of the negro, and her fear of him.

I was almost as excited and upset as she, but steadied myself with an effort and drew her deeper into the shadows of the trees.

"TILLIE," I said as calmly as possible, "you must help us. There are three of us here to save the major and Miss Tonneson and you. You must show me where they are. If possible you must tell your mistress that help has arrived and that she must keep her courage. Trimble must not suspect we are here."

"He slap my face and say I ain't fit to be queen," she said sullenly.

"He say I ain't good enough to 'sociate wid him. I'll git even."

Her hysterics were gone. The knowledge that white men were present nerved her, and her desire to revenge herself upon Trimble for the manner in which he had treated her, steeled her. She led me rapidly back of the stage structure, which cut off most of the light from the clearing, and into a smaller clearing, in the center of which stood a small log cabin.

Telling her to hide close under a clump of underbrush I scouted, crawling forward until my hand touched the logs, and crept around two sides of the cabin striving to peer through chinks, from which faint light emerged.

Voices sounded inside, and, crouching low and pressing my ear to the logs, I strove to hear what was going on inside. It was impossible to distinguish words, but there were three voices, one deep and scornful, one high-pitched as in anger.

Suddenly I thrilled and started, as I recognized the clear, ringing laugh of Roberta Tonneson. The utter contempt of that ringing, scornful laugh told the story. There was a quick exclamation of anger which sounded like a curse, followed by the voice of Trimble raised in threats and imprecations.

I crawled around toward the front of the cabin, with some wild idea of trying to burst through the door, but before I could reach it the door suddenly was flung open, Trimble emerged, and, jerking the door shut, turned to lock it.

He never before was closer to death than at that instant. I crouched lower, the revolver clutched in one hand, ready to spring, the desire to kill making me see red. Before Trimble turned, strong hands grasped me from behind, a hand went over my mouth and a voice, which I recognized instantly as Borton's spoke tensely into my ear.

He held me quiet until Trimble, springing down the steps, hurried away.

"Don't make a fool of yourself. Do you want us all killed?" Borton whispered.

"Can't we pry the lock, get them out and make a run for the boat?" I asked excitedly.

"I'VE been working at it for half an hour," he said. "It is fastened with a log chain and a padlock. We can't even dent it. I've been laying for a chance to knock Trimble out with a club, while the door is open—but can't reach him while he is at the top of the steps."

"What'll we do?" I asked, helplessly.

"Go back out into the crowd, keep near the front and to the side nearest the path. If the worst comes to the worst shoot Trimble, and try to get the girl to the boat."

He crawled away into the darkness while I crept back to where Tillie was crouched under the bushes waiting. She was calm and revengeful. The knowledge of the present of white men had restored her courage and I knew we could rely upon her.

"Can you get near Miss Bob?" I whispered.

"Trimble gwine let me be Mammy Bammy," she replied.

"Mammy Bammy?" I repeated, puzzled. "What's that?"

"Dat mean I'll be on de stage wif him," she said. "I'll be dar."

"Stay as close to your mistress as possible," I said. "If anything happens help her to this path and move toward the river. We'll be there to help you."

Rapidly as possible I told her of the boat, and of our plans.

"I'll be dar. I'll show him," she repeated threateningly.

Completely restored to calmness she arose and walked bodly toward the back of the stage, to seek Trimble. I crept back into the path, dodged along it and mingled again with the blacks. I felt a sudden chilling fear that the perspiration would wash the black from my face and expose me. I found a point of vantage at the position designated by Borton.

The blacks, now showing signs of rising excitement, were pressing closer and closer to the deadline and all attention was centering upon the stage. If my color had run no one observed it—as I maneuvered into a position from which I could most rapidly extricate myself from the pressing throng.

Three white men against 3,000 black fanatics! That is the situation with which the next installment of this enthralling story of "Big Rabbit" will begin. Will Roberta step out on this barbarous stage and face that mob? What will happen to her? Will it be a battle of bullets or wits? See Radio Digest Mid-June number.

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The Reader's View

(Continued from page 15)

rest if they receive it. Some people have gone so far as to discard their sets entirely. I know of one instance where a beautiful 7-tube super was relegated to the attic because of this. I believe this to be representative of thousands of working people, to whom Radio would be more beneficial than to any other class. A good 7 to 9 p. m. program would be highly appreciated by them, I believe.—R.S.R., Louisville, Kentucky.

Hoggish Stations Main Trouble

The responsibility for the vitally important WJAZ decision rests neither with Judge Wilkerson nor with the "offending" Radio station. Sheer hoggishness on the part of station owners who insist on broadcasting during the entire twenty-four hours may be blamed for the present chaotic and unsettled conditions.

Despite all the noise being made concerning silent night violations and "blooping," the paramount issue in Chicago may be summed up as follows: Shall the twenty odd Radio stations now operating in the Chicago district be permitted to clutter up the atmosphere without any regard for each other's, or the listening public's, rights or desires in the matter?

Newspaper advices are to the effect that a score of applications for broadcasting licenses in the Chicago district are now on file in Washington. If any considerable percentage of the applicants are successful, Chicago set owners may get ready to throw their sets in the lake.—J. D. C., Chicago, Ill.

Fred W. Stein.

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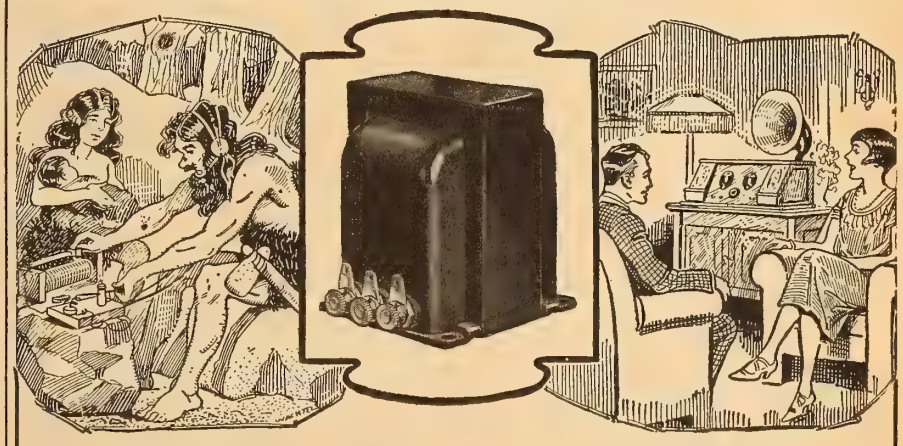

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MISCELLANEOUS

Photos of Your Favorite Radio Stars. Ten cents and coupon appearing on another page of this issue will entitle you to one of the photos from Radio Digest gallery of stars. Radio Digest, 510 North Dearborn Street, Chicago.

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For Sale—I want to dispose of all the sur-plus parts around my laboratory. Now is the time to start that new set you want to build. Send 2c stamp for my list. Box 752, care of Radio Digest, 510 No. Dearborn St., Chicago.

Closing out all of my Radio stock. 200-ohm potentiometer with sliver knob and dial, 10 cents; Howard rheostats 6½, 6¾ or 25-ohm, 75 cents; Filkostats, 50 cents; set eight lettered binding posts, 25 cents; variable condensers with dial and vernier, 13-plate, $1; 23-plate, $1.50; 4-inch black dials, 3—50 cents; 3-inch, 3—35 cents. Bronsteins Pharmacy, 4600 Lincoln Ave., Chicago.

For Sale—Limited number of $3 Electric Soldering Irons for $1.39. E. H. Ives, 2625 Hollywood Ave., Chicago.

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S-O-S RECEIVER PANEL LAYOUTS

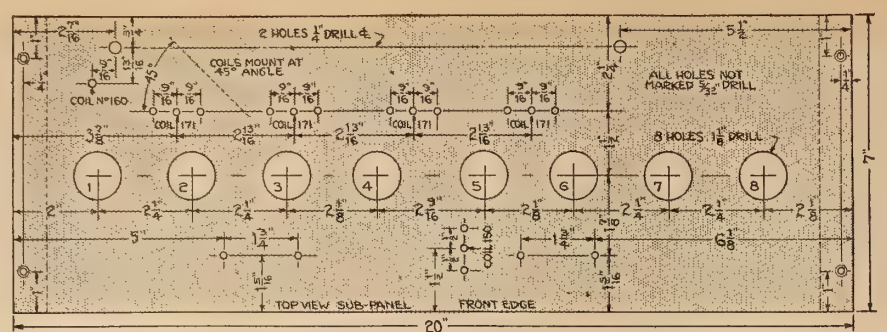

Figure 4. Sub panel drilling layout. Note wooden panel supports.

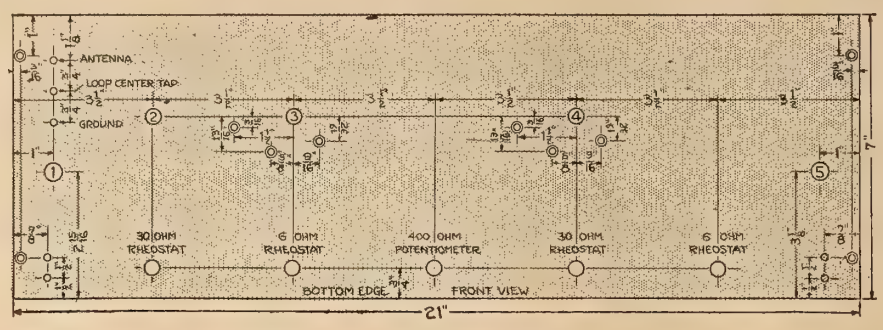

Figure 5. Layout for drilling front panel. Careful measurements are required.

S-O-S PORTABLE SUPER

(Continued from page 10)

possessed both primary and secondary resistance together with turn ratio which left little to be desired. In addition, its selection by a great many manufacturers of receivers also carried much weight, while the fact that it was possible to secure them in a mechanical design which permits sub panel mounting made their selection final. The transformers thus selected were the No. R180 Thordarson Super Amplifiers of 3½ to 1 ratio.

Figure 1 is a front view of the portable case in which the receiver is mounted. It is shown with the cover removed ready for operation. Figure 2 represents a bottom view of the sub panel assembly indicating the method of mounting the Benjamin sockets. The C battery, and also the fixed condensers which are used in this circuit, have been intentionally omitted in order that this sub panel view may be made as clear as possible. The constructor will note a series of numbers upon this panel which are placed upon the photograph for your greater convenience when the wiring instructions are given.

Figure 3 is another view of the sub panel as taken from the top of the receiver and showing clearly the general arrangement of the parts used both upon the sub panel and operating panel. These, with the exception of the audio frequency transformers, are likewise numbered for your added assistance. The audio frequency transformers were omitted from this view so that the constructor might secure an accurate view of the sockets as they protrude up and through the sub panel.

In figure 4, the sub panel drilling layout, all dimensions are given for the correct assembly of the parts listed. Just below this layout is shown the two wooden supports for the sub panel which are located at its ends. Their heighth is 1 13/16 inches and length, 7 inches. Figure 5 is likewise a detail plan layout for the front panel. It is important that each location be followed with care and exactness. Full size blue prints covering both sub and front panel are available for those desiring them at 25 cents each or 50 cents for the pair.

It has been the author's experience that constructors attempt to make changes in the apparatus specified, not realizing that the total success of the receiver depends largely upon the correct correlation of the parts used. One therefore should use only the parts listed and appreciate that space factors and efficiency have been carefully considered. These are not flexible enough to permit substitution if one would secure a pleasing success in the construction.

(In the next issue the circuit used and the entire wiring instructions will be given. This concluding article will also embrace hints on operation.—Editor's Note.)

Following the instructions of the Columbus (Ohio) Radio club, bids have been requested and received from two consulting engineers for conducting a Radio interference survey of the city. It is estimated that the expense will total $1,200.

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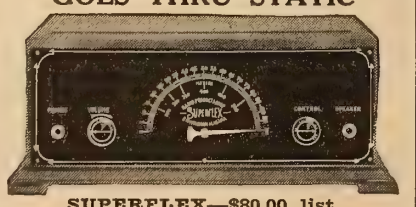

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Radiophone Broadcasting Stations

Corrected Every Issue—Part III

FIND MISTAKES AND YOU'LL GET DOLLAR

ONE DOLLAR will be paid to the Radio fan reader of Radio Digest submitting the most errors in any one station's listing in the Directory of Radiophone Stations, which appears in six parts, serially continuously on the next to last page. Letters must reach Radio Digest's office not later than one week from date of issue corrected. Readers are not limited to correcting one station, but such corrections must be verified by the stations themselves, and NOT by comparison to other so-called accurate Radio directories or lists. Verifications must accompany corrections. Turn in corrections for as many stations as you can find—if you can find errors! Use separate sheet of paper for each station submitted and place name and address on each sheet. In case of tie, duplicate awards will be made.

United States (Cont'd)

NOTE.—The third part of the schedule list appears below. The fourth part which consists of the remainder of the list will appear next issue.

WDEL, Wilmington, Del. 265.3m-1130kc. 100 watts. Wilmington Elec. Spec. Co. Slogan, "The First Broadcasting Station of the First City of the First State." Tues, Thurs, 8-10 pm. Sun, 7:30-9 pm, service. Eastern daylight.

WDGY, Minneapolis, Minn. 263m-1140kc. 500 watts. Twin City Broadcasting station, Inc. Announcer, Dr. George Young. Mon, 6-8 pm, 9-11. Tues, 7-8 pm. Wed, 6-10 pm. Fri, 7-11 pm. Central.

WDOD, Chattanooga, Tenn. 256.3m-1170kc. 500 watts. Chattanooga Radio Co., Inc. Announcer, John T. Carter. Slogan, "Wonderful Dynamo of Dixie." Mon, Wed, Fri, 6:30-8 pm, 8:15. Fri, 11 pm. Alternate Tues, 9-9:30 pm. Sun, 11 am, 4:30 pm, 9:15-10:15. Central.

WDRC, New Haven, Conn. 267.7m-1120kc. 100 watts. Doolittle Radio Corp. Mon, Wed, Fri, 6:45-7:15 pm, news. Mon, 8-9:30 pm. Wed, 8-9 pm. Sun, 11 am. Eastern.

WDWF, Providence, R. I. 440.9m-680kc. 500 watts. Dutee W. Flint, Inc. Slogan, "Quality First." Eastern.

WDZ, Tuscola, Ill. 277.6m-1080kc. 100 watts. James L. Bush. Daily ex Sun, 9:30 am, 10, 10:30, 11, 11:30, 12 m, 12:30 pm, 1, 1:15, Chicago Board of Trade quotations. Central daylight.

WEAF, New York, N. Y. 491.5m-610kc. 5,000 watts. A. T. & T. Co. Announcer, Graham McNamee. Slogan, "The Voice to the Millions." Daily ex Sun, 6:45-8 am. 11-12 noon. 4-12 midnight. Sun, 3-5 pm. 6-9:45. Eastern daylight.

WEAI, Ithaca, N. Y. 254.1m-1180kc. 500 watts. Cornell University. Irregular.

WEAM, North Plainfield, N. J. 260.7m-1150kc. 250 watts. Borough of North Plainfield. Announcer, H. W. Blackford. Slogan, "America's Pioneer Municipal Broadcasting Station." Fri, 8-12 pm, concert, talks. Sun, 11-12 noon. Eastern daylight.

WEAN, Providence, R. I. 270.1m-1110kc. 500 watts. The Shepard Stores. Announcer, Chester H. Miller. Daily ex Sun, 12-1 pm, 4-5, music, reports, weather, concert; 6:30-10:30. Sun, 10:45-11:30 am, 7:30-8:45 pm, church service. Eastern daylight.

WEAO, Columbus, Ohio. 293.9m-1020kc. 500 watts. Ohio State University. Daily ex Sun, 9:45 am, 11-1 pm, markets, weather; talks to farmers, markets, music; 4, markets. Tues, 7 pm. Wed, 4:10 pm, program for shut-ins; 8, music, lectures. Thurs, 8 pm, lectures, music. Eastern.

WEAR, Cleveland, Ohio. 389.4m-770kc. 750 watts. The Goodyear Tire & Rubber Co. Daily ex Sun, 11:30 am, markets, time, weather. Daily ex Sun, Sat, 3:30 pm, markets, weather. Eastern.

WEAU, Sioux City, Iowa. 275.1m-1090kc. 100 watts. Davidson Bros. Co. Announcer, W. O. Ducommun. Slogan, "The Heart of the Corn Belt." Daily ex Sun, 9 am, 10, 11, 12 m, 1 pm, 5, markets, weather, sports. Central.

WEBC, Superior, Wis. 241.8m-1240kc. 100 watts. Telegram-Ross Elec. Co. Mon, Fri, 6:15-7 pm, music; 7:10-7:30. Wed, Fri, 10-11 pm, dance music. Sun 10:30 am. 12 noon, 3-4:15 pm. Central.

WEBD, Anderson, Ind. 245.8m-1220kc. 15 watts. Elec. Equip. & Service Co. Announcer, F. R. Fulwider. Tues, Fri, 8:30 pm. Sun, 7:30 pm, service. Central.

WEBH, Chicago, Ill. 370.2m-810kc. 2,000 watts. Edgewater Beach Hotel-Herald-Examiner. Announcer, Robert Boniel. Slogan, "The Voice of the Great Lakes." Daily ex Sun, 11:30-12 m, 3-4 pm. 5-5:30. Daily ex Sun, Mon, 7-8 pm, 9-10, 11-12:30. Sat, 1-2 am. Sun, 5-6, twilight musicale; 7-9. Central daylight.

WEBJ, New York, N. Y. 272.6m-1100kc. 500 watts. Third Avenue Railway Co. Announcer, H. A. Bruno. Tues, Fri, 7-9 pm. Wed, 8-10 pm. Eastern daylight.

WEBL, 225.4m-1330kc. 100 watts. Radio Corporation of America. (Portable.)

WEBQ, Harrisburg, Ill. 225.4m-1330kc. 10 watts. Tate Radio Co. Announcer, Joseph R. Tate. Slogan, "Blue Bird Station." Daily ex Sun, 7:15-7:30 pm, news, weather. Sun, 3-4 pm, 7-8. Central.

WEBR, Buffalo, N. Y. 243.8m-1230kc. 50 watts. H. H. Howell. Slogan, "We Extend Buffalo's Regards." Daily ex Sun, 7:45-8:30 pm, bedtime stories. Mon, Wed, Fri, 8:30-11:30 pm. Sat, 9-11 pm. Sun, 10:15 am, service; 12-3 pm, concert; 3-4; 7:15-9, service; 10-12, concert. Eastern daylight.

WEBW, Beloit, Wis. 268 meters. 500 watts. Beloit College. Announcer, Lee Boynton. Mon, 8-9 pm; Sun, 4:30 pm. Central.

WEBZ, Savannah, Ga. 263m-1140kc. 50 watts. Savannah Radio Corp. Mon, Wed, Fri, 8:30 pm. Eastern.

WEEI, Boston, Mass. 348.6 meters. 500 watts. Edison Elec. Illuminating Co. Announcer, Arthur F. Edes. Slogan: "The Friendly Voice." Daily ex Sun, 6:45 am., exercises; 7:45, watch. Mon, 4 pm, 5:30, 6:30-10:30, 10:30. Tues, 3 pm, 4, 6:30-10, 10. Wed, 4 pm, 6:30-10, 10. Thurs, 4 pm, 6:30-10:10, 10. Fri. 4 pm, 6:30-10, 10. Sun, 10:05 am, 12:30 pm, 2, 3, 5:30, 7:20, 9:20. Eastern daylight.

WEHS, Evanston, Ill. 202.6m-1480kc. 10 watts. Robert E. Hughes.

WEMC, Berrien Springs, Mich. 285.5m-1050kc. 500 watts. Emanuel Missionary College. Slogan, "The Radio Lighthouse." Mon, Wed, 8:15 pm. Fri, 9 pm. Sun, 11 am, 8:15 pm. Central.

WENR, Chicago, Ill. 265.3m-1130kc. 1,000 watts. All-American Radio Corp. Announcer, Frank Westphal. Daily ex Sun, 7-7:30 am; 6-7 pm, 8-10. Daily ex Sun, Mon, Fri, 1-3 pm. Tues, Fri, 11-12 n. Fri. 1:30-3 pm. Wed, Fri, 12-2 am. Sun, 9:15-10:15 am. 2-3 pm, 3-4, 6-7, 9:30-12. Central daylight.

WEW, St. Louis, Mo. 247.8m-1210kc. 1,000 watts. St. Louis University. Daily ex Sun, 9 am, 10, 2, 5 pm, reports. Tues, Thurs, 7 pm, lectures, music. Sun, 12 n, 7:15 pm. Central.

WFAA, Dallas, Tex. 475.9m-630kc. 500 watts. Dallas News and Dallas Journal. Slogan, "Working for All Alike." Daily, 6:30-7:30 am, exercises; 8:30, 9:30, 10:30, 11:30, reports; 12:30, 1:30, 2:30, 3:30, 4:30, reports, news; 5:30, children's hour; 8:30-9:30, concert, weather (silent Wed.). Mon, Tues, Thurs, Fri, Sat, 6:30-7:30 pm, vesper recital, sports. Tues, Sat, 11-12 pm, music. Sun, 6-7 pm, Bible class; 7:30, church service; 8:30-9:30, 11-12, music. Central.

WFAM, St. Cloud, Minn. 272.6m-1100kc. 10 watts. St. Cloud Daily Times. Slogan: "Granite City of the World." Announcer, Otto A. Rupp. Daily ex Sun, 4:45 pm, markets. Central.

WFAV, Lincoln, Nebr. 275.1m-1090kc. 500 watts. Univ. of Nebraska. Fri, 12 m. Central.

WFBC, Knoxville, Tenn. 249.9m-1200kc. 50 watts. First Baptist church. Announcer, St. John Reynolds. Sun, 10:45 am; 7:30 pm, services; 4 pm, sacred music. Central.

WFBE, Seymour, Ind. 225.4m-1330kc. 10 watts. Van de Walle Music and Radio company. Announcer, John Van de Walle.

WFBG, Altoona, Pa. 277.6m-1080kc. 100 watts. The Wm. F. Gable Co. Announcer, Roy F. Thompson. Slogan, "The Original Gateway to the West." Daily ex Sat, Sun, 11:45 am, music; 3:30 pm; 6:30, 8:30, 10:30. Tues, Thurs, Fri, 11:15 pm. Tues, 7:30 pm. Fri, Sat, 9:15 pm. Sun, 10:45 am; 4 pm, 6, 7:30, 9:15, 10:30, 11:15. Eastern.

WFBH, New York, N. Y. 272.6m-1100kc. 500 watts. Concourse Radio Corp. Announcer, Alvin E. Hauser. Slogan, "Voice of Central Park." Daily 11:30 pm. Mon, Tues, Fri, 2-7 pm. Wed, Thurs, Sat, 2-8 pm. Mon, Sat, 11:30 pm. Sun, 5-8 pm. Eastern daylight.

WFBJ, Collegeville, Minn. 236.1m-1270kc. 100 watts. St. John's university. Announcer, Hilary Doerfler. Slogan, "In the Heart of the Landscape Paradise." Off the air for the summer.

WFBL, Syracuse, N. Y. 252m-1190kc. 100 watts. Onondaga Hotel company. Announcer, Ernest E. Chappell. Daily 3-4 pm, 6-8, Tuesday, 9:30-10:30 pm. Thurs, 7:45-10 pm. Fri, 8:15-10 pm. Sat, 11-12:30 am. Sun, 3-4:30 pm, 5-8:30. Eastern.

WFBM, Indianapolis, Ind. 267.7m-1120kc. 250 watts. Merchants Heat and Light company. Announcer, Bailey Fesler. Slogan, "The Convention City of America."

WFBR, Baltimore, Md. 254.1m-1180kc. 100 watts. Fifth Infantry, Maryland National Guard. Slogan, "Home of the Star Spangled Banner." Announcer, S. R. Kennard. Daily matinee programs. Tues, Thurs, Sat, evening programs. Sun, afternoon program. Eastern.

WFBZ, Galesburg, Ill. 254.1m-1180kc. 20 watts. Knox college. Announcer, George B. Strain. Slogan, "At Old Siwash." Wed, 8-10 pm. Central.

WFDF, Flint, Mich. 234.2m-1280kc. 100 watts. Frank D. Fallain. Slogan, "The Vehicle City." Mon, Wed, Fri, 8 pm. Wed, 9-10 pm. Eastern.

WFI, Philadelphia, Pa. 394.5m-760kc. 500 watts. Strawbridge & Clothier. Announcer, John Vandersloot. Daily ex Sun, 10:15 am, reports; 10:30, music; 1-1:50 pm, orchestra; 1:50, reports; 3-4:30, concert; 6:20, sports; 6:30-7, orchestra; Tues, Thurs, Sat, 8, concert. Sun, 10:30 am, 7:30, church services alternating; 9:15, alternate Sundays. Eastern daylight.

WFKB, Chicago, Ill. 217.3m-1380kc. 500 watts. Francis K. Bridgman. Announcer, Horace Kehm. Daily ex Sun, Mon, 7-10 pm. Central daylight.

WFRL, Brooklyn, N. Y. 205.4m-1460kc. 100 watts. Flatbush Radio Laboratories.

WGAL, Lancaster, Pa. 247.8m-1210kc. 10 watts. Lancaster Elec. Supply & Construction Co. Announcer, Charles W. Feagley. Slogan: "World's Gardens at Lancaster." Tues, Thurs, 8 pm. Sat, 10:30-11:30 pm. Sun, 9-10 pm. Eastern.

WGAM, Camden, N. J. 236.1m-1270kc. 500 watts. Galvin Radio Supply Co.

WGBB, Freeport, N. Y. 243.8m-1230kc. 100 watts. Harry H. Carman. Mon, Wed, Fri, 8-10:30 pm. Sun, 10:40 am, church. Eastern.

WGBC, Memphis, Tenn. 277.6m-1080kc. 10 watts. First Baptist church. Announcer, M. L. Martin. Sun, 9:55 am, 7:30 pm. Central.

WGBF, Evansville, Ind. 236.1m-1270kc. 500 watts. The Finke Furniture Co. Announcer, Harold Finke. Daily ex Sun, 7:15 am, 12:10 pm. Mon, Wed, Fri, 10:30 am. Tues, Fri, 12:30 pm, 7. Fri, 11-1 am. Central.

WGBI, Scranton, Pa. 239.9m-1250kc. 10 watts. Scranton Broadcasters, Inc.

WGBR, Marshfield, Wis. 228.9m-1310kc. 10 watts. George S. Ives. Off the air for the summer.

WGBS, New York, N. Y. 315.6m-950kc. 500 watts. Gimbel Brothers. Announcer, Floyd Neale. Daily ex Sun, 10-11 am; 1:30-4 pm. Tues, Thurs, Sat, 6 pm. Sun, 3-4 pm, 9:30. Eastern daylight.

WGBU, Fulford By-the-Sea, Fla. 277.6m-1080kc. 500 watts. Fulford By-the-Sea Chamber of Commerce. Announcer, Edward C. J. Sandback. Mon, Wed, Fri, 12-1 pm, 6:30-7:30, 11-2 am. Tues, Thurs, Sat, 12-1 pm; 6:30-7:30; 10-1 am. Sun, 9:30-11:30 pm. Eastern.

WGBX, Orono, Me. (234.2m-1280kc. 500 watts. University of Maine.

WGCP, New York, N. Y. 252m-1190kc. 500 watts. Grand Central Palace. Announcer, Alfred Hall. Slogan, "Four Leaf Clover Station." Daily ex Sun, 3-5:30 pm. Mon, 8:30-10:30 pm. Wed, Fri, 7-8:30 pm. Thurs, 10:30-12 mid. Sat, 8:30-11 pm. Sun, 3-5:30 pm. Eastern daylight.

WGES, Chicago, Ill. 249.9m-1200kc. 500 watts. Guyons Paradise Ballroom. Announcer, George Gubbins. Daily ex Sun, Mon, 5-7 pm, 8-9, 11-1 am. Sun, 10:15 am, 11:45, service; 5-7:40 pm, 11-1 am. Central daylight.

WGHB, Clearwater, Fla. 265.3m-1130kc. 500 watts. The Chamber of Commerce. Announcer, Walter Tison. Mon, Wed, Fri, 8:30-10 pm. Eastern.

WGHP, Detroit, Mich. 270.1m-1110kc. 1,500 watts. George Harrison Phelps, Inc. Announcer, Harry C. Browne. Daily ex Sat, Sun, 6 pm. Eastern.

WGMU, Richmond Hill, N. Y. 236.1m-1270kc. 100 watts. A. H. Grebe & Co., Inc. (Portable).

WGN, Chicago, Ill. 302.8m-990kc. 1000 watts. Chicago Tribune. Announcer, Bill Hay. Daily ex Sun, 9-9:45 am, news; 10-10:45; 11-11:30; 11:57-12:01 pm, time; 12:01-12:30, music; 3:25; 3:30-4:15, tea time music; 4:30-5, organ; 5:30-5:57, Skeezix; 5:57-6:01, time; 6:20-6:30, bonds; 6:30-7, music. Tues, Thurs, Fri, 11:30-11:57 am, household hints. Tues, Thurs, 12:30-12:40 am, farm talk. Tues, Wed, 3-3:25 pm, talks. Daily ex Sun, Mon, 8-11 pm. Sun, 10:45-11:45 am, Uncle Walt; 11:45-1:45 pm, music; 2-5:15, music; 7-10, Sunday evening concert. Central daylight.

WGR, Buffalo, N. Y. 319m-940kc. 750 watts. Federal Radio Corp. Announcer, Kennth Fickett. Slogan, "Key City of Industry." Daily ex Sun, 6:45-7:45 am. Daily ex Sun, Sat, 12 n, stocks, markets; 12:45 pm; 2:30-4:30, 6:30, 7:30. Tues, Thurs, 8-11 pm. Mon, Wed, Fri, 9 pm, 11, weather. Mon, Fri, 11-1 am. Sun, 10:45 am, 3-4 pm, 7:45, 9:15-9:45. Eastern daylight.

WGST, Atlanta, Ga. 270.1m-1110kc. 500 watts. Georgia School of Technology. Announcer, J. H. Persons. Slogan, "The Southern Technical School with a National Reputation." Off the air for the summer.

WGY, Schenectady, N. Y. 379.5m-790kc. 5,000 watts. General Electric Company. Announcer, Kolin Hager. Daily ex Sun, 11:55 am, time; 1:30 pm, stocks, markets; 1:45, weather. Daily ex Sun, 1:40 pm, fruit, vegetable reports; 5, stocks; 5:10, markets; 5:15, sports, news. Mon, Tues, Thurs, Fri, 1 pm, woman's hour. Tues, Thurs, 1:30 pm, organ. Mon, Tues, Thurs, 5:30-6 pm, dinner program. Thurs, 10:30 pm, organ. Fri, 7 pm; Wed, 6:30, stories. Fri, 6:30 pm, Sunday school lesson; 9:30, late program. Mon, 7:15 pm, agricultural talk. Wed, 6 pm, orchestra; 8:05, Rochester program. Sat, 8:30 pm, dance program. Sun, 9:30-11 am, service; 2 pm, Syracuse program; 3:30, organ; 6:30-7:45 pm, service; 8, orchestra, WJZ. Eastern.

WHA, Madison, Wis. 535.4m-560kc. 750 watts. Univ. of Wis. Mon, Wed, Fri, 8-9 pm. Central.

WHAD, Milwaukee, Wis. 275.1m-1090kc. 500 watts. Marquette University-Milwaukee Journal. Announcer, Dan Gellerup. Daily ex Sun, weather; music; farm flashes; news; markets; 4-5 pm, music; stock; news; baseball scores; 6-7, final markets; organ; orchestra; baseball. Mon, Tues, 8:30-10 pm. Wed, 10:30-12:30 am. Thurs, 8:30-10 pm, or 10:30-12 mid. Fri, 8:30-10 pm. Sun, 3:15 pm. Central.

WHAM, Rochester, N. Y. 277.6m-1080kc. 100 watts. Univ. of Rochester. Rochester Time-Union, Democrat and Chronicle. Daily ex-Sun, 3:30-4 pm, 5-5:45, 7-7:40. Wed, 8-10 pm. Sat, 10-12 mid. Sun, 3:15, Radio Chapel. Eastern.

WHAP, New York, N. Y. 239.9m-1250kc. 500 watts. William H. Taylor Finance Corp. Announcer, Franklin Ford. Slogan, "The Station for Public Service." Mon, Wed, Fri, 6:30-11 pm. Sun, 2:30-4 pm. Eastern.

WHAR, Atlantic, City, N. J. 275.1m-1090kc. 500 watts. Seaside Hotel. Announcer, E. Dennison. Daily ex Sun, 2 pm, 7:30, 8. Mon, Thurs, 11:30 pm. Sun, 10:45 am; 2:15 pm, 2:45, 7:50, 9. Eastern.

WHAS, Louisville, Ky. 399.8m-750kc. 500 watts. Courier-Journal and Louisville Times Co. Announcer, D. H. Ives. Daily ex Sun, 1-2 pm, 2:30-3:30, 4-5, 7:30-9. Sun, 9:57-10:45 am, 4:30-5:30 pm, church service. Mon night, silent. Central.

WHAZ, Troy, N. Y. 379.5m-790kc. 500 watts. Rensselaer Polytechnic Inst. Announcer, Rutherford Hayner. Slogan, "Transcontinental and International Broadcasting Station Located at the Oldest College of Science and Engineering in America." Club, R. P. I. students. Mon, 8:30-12 midnight, concert, educational talks, orchestra, features. Second Monday of month, 12-1:30 am. International test program. Eastern.

WHB, Kansas City, Mo. 365.6m-820kc. 500 watts. Sweeney Auto & Electric School. Announcer, John T. Schilling. Slogan, "Heart of America." Daily ex-Sun, 8:25 am, 9:25, 9:30, 9:35, 10:25, 10:30, 10:35, 11:20, 11:30, 11:35, 11:56, 12 noon, market reports. Daily ex-Sun, Sat, 12:15 pm, 12:30, 1:25, 1:40, stocks; 2, musicale; 3-3:05, U. S. W. B.; 3:05, markets; Tues, Thurs, 7-7:45 pm, dinner hour music; 8-10, evening concert. Mon, Wed, Fri, 7-8 pm. Sat, 12:05 pm, 12:30, 1:25, markets. Sun, 9:45-10:45 am, service; 11-12:15 pm; 8-9:15, service; 11:15-1 am, organ. Central.

WHBA, Oil City, Pa. 249.9m-1200kc. 10 watts. Shaffer Music House.

WHBC, Canton, Ohio. 245.1m-1180kc. 10 watts. Rev. E. P. Graham. Mon, 8-8:30 pm. Central.

WHBD, Bellefontaine, Ohio. 222.1m-1350kc. 20 watts. Charles W. Howard.

WHBF, Rock Island, Ill. 222.1m-1350kc. 100 watts. Beardsley Specialty company. Announcer, C. L. Beardsley. Slogan: "Where Historic Blackhawk Fought." Mon, Wed, 7-9 pm, Sat, 2-4 pm, 7-9. Central.

WHBG, Harrisburg, Pa. 230.6m-1300kc. 20 watts. John S. Skane. Tues, Thurs, 9-12 midnight. Fri, 7:45-9:15 pm. Sat, 6-12 midnight. Sun, 9:15-11 pm. Eastern.

WHBJ, Ft. Wayne, Ind. 234.2m-1280kc. 50 watts. Lauer Auto company.

WHBL, Chicago, Ill. 215.7m-1390kc. 50 watts. James H. Slusser. (Portable)

WHBM, Chicago, Ill. 215.7m-1390kc. 20 watts. C. L. Carrell. (Portable).

WHBN, St. Petersburg, Fla. 238m-1260kc. 10 watts. First Avenue Methodist church.

WHBP, Johnstown, Pa. 256.3m-1170kc. 100 watts. Johnstown Automobile Co. Announcer, J. C. Tully. Slogan: "The Voice of the Friendly City." Daily ex Sun, 12:30 pm. Sat, 10 pm. Sun, 2:30, pm. Eastern.

WHBQ, Memphis, Tenn. 232.4m-1290kc. 50 watts. Men's Fellowship class. St. John's M. E. church. Announcer, Dr. George L. Powers. Slogan, "We Have Best Quartet." Wed, 8-9 pm, music. Sun, 9:45-10:45 am, 11, 7:45 pm, services. Central.

WHBU, Anderson, Ind. 218.8m-1370kc. 10 watts. Bing's Clothing-Riviera Theater. Announcer, O. B. Robey. Slogan, "The Home of Chief Anderson." Daily ex Sun, 9-9:30 am, 12-12:30 pm. Wed, Fri, Sun, 7-9 pm. Central.

WHBW, Philadelphia, Pa. 215.7m-1390kc. 100 watts. D. R. Kienzle. Mon, Thurs, Sat, evenings.

WHBY, West De Pere, Wis. 249.9m-1200kc. 50 watts. St. Norbert's college.

WHDI, Minneapolis, Minn. 277.6m-1080kc. 500 watts. Wm. Hood Dunwoody Industrial Institute. Announcer, M. R. Bass. Mon, 8-9 pm. Wed, Fri, 9-10 pm. Central.

WHEC, Rochester, N. Y. 258.5m-1160kc. 100 watts. Hickson Electric company, Inc. Announcer, Maurice Clark. Slogan, "With Hickson Elec. Co." Daily ex Sun, 5:30-6 pm, twilight program; 6:30-7 orchestra. Eastern.

WHK, Cleveland, Ohio. 272.6m-1100kc. 1,000 watts. Radio Air Service Corp., Winton Hotel. Slogan, "Cleveland, the Convention City." Daily ex Sun, 6:30-7:30 pm. Thurs, 7:30-9 pm, musicale. Sun, 10:30 am, service; 6:15-7:15, 7:45-8:30, Bible lecture; 8:30-10, music. Eastern.

WHN, New York, N. Y. 360m-833kc. 500 watts. Loew's State Broadcasting Station. Announcer, N. T. Grandlund. Slogan, "The Voice of the Great White Way." Daily ex Sun, 12-1 pm, 2:15-3:15, 3:45-5:30, 6:30-12 mid. Sun, 3-6 pm, 9:30-12. Eastern daylight.

WHO, Des Moines, Ia. 526m-570kc. 5,000 watts. Bankers Life Co. Announcer, N. Dean Cole. Daily ex Sun, 9:45 am, 12 m, 2 pm, markets, weather. Mon, Tues, Thurs, Fri, 7:30-9 pm; 11-12. Wed, 6-12 mid. Sun, 11 am; 4-6 pm, 7:30-8:15, 11-12. Central.

WHT, Chicago, Ill. 238m-1260kc. 399.8m-750kc. 3500 watts. Wrigley Bldg. Announcer, Patrick Henry Barnes. Daily ex Sun, Mon, (399.8), 10-2 pm, 6-7:30, 9:30-1 (238), 7:45-9:15 pm. Mon, (399.8), 11-2 pm, 7-1 am. Sun, 12-11:30 pm, Paul Rader. Central daylight.

WIAD, Philadelphia, Pa. 249.9m-1200kc. 100 watts. Howard R. Miller. Slogan, "The Voice from the Birthplace of Liberty." Tues, Fri, 9 pm. Eastern.

WIAS, Burlington, Ia. 254.1m-1180kc. 100 watts. Home Elec. Co. Announcer, Harry H. Waugh. Mon, Fri, 8 pm. Sun, 10:30 am. Central.

WIBA, Madison, Wis. 236.1m-1270kc. 100 watts. The Capital Times and Studio Ballroom. Announcer, J. Harold Rupp. Slogan, "Four Lakes City." Mon, Wed, 8:45 pm, 10:30. Fri, 9-10:30 pm. Sat, 10:45-12 mid. Cuckoo club. Central.

WIBG, Elkins Park, Pa. 222.1m-1350kc. 50 watts. St. Paul's Protestant Episcopal church. Announcer, Stuart C. Mahaney. One Monday a month Ogontz Forum speaks. Sun, 10:45 am, 3:45 pm. Eastern.

WIBH, New Bedford, Mass. 209.7m-1430kc. 30 watts. Elite Radio Stores. Announcer, J. T. Moriarty. Slogan, "The Voice of New Bedford." Daily ex Sun, 12-1:30 pm. Sun, 1-3 pm. Eastern.

WIBI, Flushing, N. Y. 218.8m-1370kc. 50 watts. Frederick B. Zittell, Jr.

WIBJ, Chicago, Ill. 215-7m-1390kc. 50 watts. C. L. Carrell. (Portable).

WIBM, Chicago, Ill. 215.7m-1390kc. 10 watts. Billy Maine. (Portable).

WIBO, Chicago, Ill. 225.4m-1330kc. 1,000 watts. Nelson Brothers. Announcer, Wayne Myers. Daily ex Sun, 2-4 pm. Daily ex Sun, Mon, 6-8 pm. Tues, Thurs, 12-3 am. Wed, 10-12 midnight. Fri, 10-2 am. Sun, 10:15 am, service; 2-4 pm, concert; 6-8, 10-12. Central daylight.

WIBR, Weirton, W. V. 245.8m-1220kc. 50 watts. Tri-State Radio Co. Announcer, W. D. Johnston. Slogan, "The Town Where Everybody Works." Fri, 8:30-11 pm. Sat, 11-1 am. Sun, 2-3 pm. Eastern.

WIBS, Elizabeth, N. J. 202.6m-1480kc. 10 watts. New Jersey National Guard.

WIBU, Poynette, Wis. 222.1m-1350kc. 20 watts. The Electric Farm.

WIBW, Logansport, Ind. 220.4m-1360kc. 100 watts. Dr. L. L. Dill.

WIBX, Utica, N. Y. 205.4m-1460kc. 150 watts. Grid-Leak, Inc.

WIBZ, Montgomery, Ala. 230.6m-1300kc. 10 watts. A. D. Trum.

WIL, St. Louis, Mo. 272.6m-1100kc. 250 watts. St. Louis Star and Benson Radio Co. Announcer, Billy Knight. Slogan, "Watch It Lead." Mon, 10-12 m. Tues, 4-5 pm. Wed, 9-11 pm. Thurs, 4-5 pm, 8-10. Fri, 9-11 pm. Sat, 4-5 pm, 10-12. Central.

WIOD, Miami Beach, Fla. 247.8m-1210kc. 1000 watts. Carl G. Fisher. Announcer, Jesse H. Jay. Slogan: "Wonderful Isle of Dreams."

WIP, Philadelphia, Pa. 508.2m-590kc. 500 watts. Gimbel Bros. Announcer, E. A. Davies. Slogan, "Watch Its Progress." Daily ex Sun, 6:45-7:30 am, 1-2 pm, 3-4:30, 6-6:45, music; 7-7:30 pm. Tues, Thurs, Sat, 8-12 pm, concert. Sun, 10:45-12 noon, 4:15-5:30 pm, 7:45-9, 9:30-12. Eastern daylight.

WJAD, Waco, Texas. 352.7m-850kc. 500 watts. Barton's Dyanshine Station. Mon, Tues, Thurs, Fri, 8:30-10 pm. 1st and 3rd Wed, 8:30-9:30 pm. Central.

WJAG, Norfolk, Nebr. 270.1m-1110kc. 200 watts. Norfolk Daily News. Announcer, Karl Stefan. Slogan, "The World's Greatest Country Daily, and Home of Printer's Devil." Daily ex Sun, 12:15 pm; Sun, 3:30-6 pm, music. Central.

WJAK, Kokomo, Ind. 254.1m-1180kc. 50 watts. Clifford L. White. Kokomo Tribune. Slogan, "The Radio Parson." Daily ex Sun, 12 noon, news. Mon, 7:30 pm, music. Central.

WJAM, Cedar Rapids, Iowa. 267.7m-1120kc. 100 watts. D. M. Perham. Tues, Thurs, Sat, 7-10 pm. Sun, 4 pm, vesper service. Central.

WJAR, Providence, R. I. 305.9m-980kc. 500 watts. The Outlet Co. Announcer, J. A. Reilly. Slogan, "The Southern Gateway of New England." Daily ex Sun, 1:05-2:15 pm, weather, reports, music. Mon, Wed, Fri, 10 am, household hints. Mon, 7:45-11 pm. Tues, 7:30-10 pm. Wed, 7:30-11 pm. Thurs, 7:45-11 pm. Fri, 7:45-10:30 pm, 11-12. Sun, 7:20-10:15 pm. Eastern daylight.

WJAS, Pittsburgh, Pa. 275.1m-1090kc. 500 watts. Pittsburgh Radio Supply House. Pickering's Studio. Announcer, Bryan McDonald. Slogan, "World's Jolliest Aerial Station." Daily ex Sun, 7-8 pm, dinner concert; 8-11. Sun, 2 pm. Eastern daylight.

WJAX, Jacksonville, Fla. 336.9m-890kc. 1000 watts. City of Jacksonville.

WJAZ, Chicago, Ill. 322.4m-930kc. 1,500 watts. Zenith Radio Corp. Announcer, Ralph H. G. Mathews. Tues, Wed, Fri, 9-1 am. Thurs, 10-12 m. Sat, 9-2 am. Sun, 7-9 pm. Central daylight.

WJBA, Joliet, Ill. 206.8m-1460kc. 50 watts. D. H. Lentz, Jr. Tues, Thurs, Sat, 7-12 midnight. Central.

WJBB, St. Petersburg, Fla. 254.1m-1180kc. 10 watts. Financial Journal.

WJBC, La Salle, Ill. 234.2m-1280kc. 100 watts. Hummer Furniture Co. Announcer, Harry Halpin. Daily ex Sun, 12:30-1 pm. Mon, 8-11 pm. Central.

WJBG, Charlotte, N. C. 223.7m-1340kc. 10 watts. Interstate Radio, Inc.

WJBI, Red Bank, N. J. 218.8m-1370kc. 250 watts. Robert S. Johnson.

WJBK, Ypsilanti, Mich. 232.4m-1290kc. 10 watts. Ernest F. Goodwin.

WJBL, Decatur, Ill. 270.1m-1110kc. 500 watts. William Gushard Dry Goods Co. Announcer, H. B. Rickards. Mon, Sat, 9:30-11 pm. Wed, 9-10:30 pm. Sun 10:45-12:15 pm, 3-4. Central.

WJBO, New Orleans, La. 268m-1120kc. 100 watts. Valdemar Jensen.

WJBR, Omro, Wis. 227.1m-1320kc. 50 watts. Gensch and Stearns.

WJBU, Lewisburg, Pa. 211.1m-1420kc. 100 watts. Bucknell university. Slogan, "In the Heart of the Keystone State."

WJJD, Moosehert, Ill. 370.2m-810kc. 1,000 watts. Loyal Order of Moose station. Announcer, Jack Nelson. Slogan, "The Call of the Moose." Daily ex Sun, Mon, 12-1 pm, 2-3; 4-5 pm, children's program; 5:30-7. Daily ex Sun, Mon, 8-9 pm, 10-11, 12:30-1:30. Sun, 7:45-8:40 am, services; 9:45-11 am, services; 2:30-5 pm. Central daylight.

WJR, Pontiac, Mich. 516.9m-580kc. 5,000 watts. Jewett Radio and Phonograph Co. Slogan, "Where Joy Reigns." Announcer, Leo Fitzpatrick. Daily ex Sun, 7-8 pm, 9-10. Thurs, Sat, 10-11 pm. Mon, Wed, Sat, 11:30-1 am. Sun, 10 am, service. Eastern.

WJY, New York, N. Y. 405.2m-740kc. 5,000 watts. R. C. A.

WJZ, New York, N. Y. 454.3m-660kc. Variable power. R. C. A. Announcer, Milton J. Cross. Daily ex Sun, 1-2 pm, 4-6, entertainment; 7-11:30 pm, special program. Sun, 11-1 pm, church services; 2:30-5 pm, 7-10:30 pm. Eastern daylight.

WKAF, Milwaukee, Wis. 260.7m-1150kc. 500 watts. Kesselman-O'Driscoll-Hotel Antlers. Announcer, Robert F. Hall Co. Mon, Wed, Fri, 10-11 pm; Thurs, 8:30-10 pm. Sat, 8:30-10 pm; 11:30-1 am. Sun, 4-6 pm. Central.

WKAQ, San Juan, Porto Rico. 340.7m-880kc. 500 watts. Radio Corporation of Porto Rico. Announcer, Joaquin Agusty. Slogan, "The Island of Enchantment, Where the World's Best Coffee Grows." Wed, 8-10 pm, band. Mon, 9-10:30 pm, Rialto theater orchestra; Fri, 9-10 pm, Porto Rican Atheneum, talks. Intercolonial.

WKAR, East Lansing, Mich. 285.5m-1050kc. 1,000 watts. Michigan State College. Announcer, Jim Gamble. Daily ex Sun, 12-12:30 pm, weather, markets. Mon, 8-9 pm. Wed, 7:45 pm, 8-9. Fri, 7:45 pm, 8-9. Eastern.

WKAV, Laconia, N. H. 223.7m-1340kc. 50 watts. Laconia Radio club. Fri, 7 pm. Sun, 10:30 am; 5 pm, 6:30. Eastern.

WKBB, Joliet, Ill. 214.2m-1400kc. 100 watts. Sanders Brothers. Wed, 6:30-8:30 pm. Thurs, Sun, 8:30-12 midnight. Central.

WKBE, Webster, Mass. 230.6m-1300kc. 100 watts. K. & B. Electric Co. Mon, 8-12 midnight. Eastern.

WKBG, Chicago, Ill. 215.7m-1390kc. 100 watts. C. L. Carrell. (Portable.)

WKRC, Cincinnati, Ohio. 422.3m-710kc and 325.9m-920kc, alternate months. 1,000 watts. Kodel Radio Corp. Announcer, Eugene S. Mittendorf. Mon, 6:15-7 pm, 8-10, 12-1 am. Tues, Thurs, Sat, 10-12 midnight. Wed, 6:15-7 pm; 8-10 pm, 12-1 am. Sun, 6:45-7:30 pm, 10-12, 12-1 am. Central daylight.

WKY, Oklahoma City, Okla. 275.1m-1090kc. 100 watts. E. C. Hull, H. S. Richards. Daily ex Sun, 9 am, 2:30 pm, markets, weather; 7-8:30, music. Sun, 11 am, 7:30 pm, services. Central.

WLAL, Tulsa, Okla. 249.9m-1200kc. 100 watts. First Christian church. Announcer, R. W. Burkhart. Slogan, "The Voice of the Church." Sat, 7:30 pm, Bible class. Wed, 9:30 pm. Sun, 7:30 pm, church. Central.

WLAP, Louisville, Ky. 275.1m-1090kc. 20 watts. W. V. Jordon. Tues, Fri, 9:20-10 pm. Central.

WLB, Minneapolis, Minn. 277.6m-1080kc. U. of Minnesota.

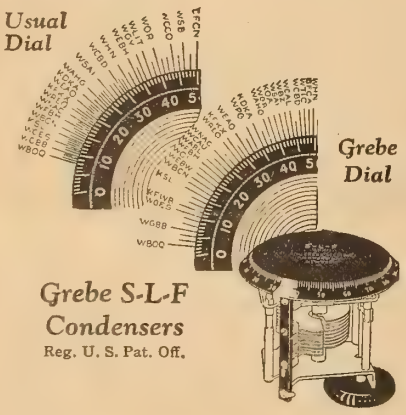
WLBL, Stevens Point, Wis. 277.6m-1080kc. 500 watts. Wisconsin Dept. of Markets. Slogan, "Wisconsin, Land of Beautiful Lakes." Daily ex Sun, 8:45 am, 9:45, 10:45, 11:45, 12:30 pm, 1:45, markets. Tues, Thurs, 8 pm. Mon, Fri, 6 pm. 3rd and 5th Sat of month, 8 pm. 2nd and 4th Sat, 10 pm. Central.

WLIB, Chicago, Ill. (302.8m-990kc. 4000 watts. Liberty Magazine. Announcer, Bill Hay. Daily ex Sun, Mon, 7-8 pm, 11-1 am. Sun, 5-6 pm. Central Daylight.

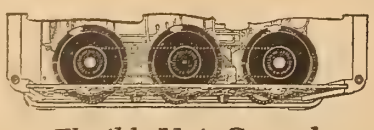
(Note—The fourth part of the directory will appear next issue.

Still Well in Advance

Grebe Binocular Coils
Reg. U. S. Pat. Off.
and Low-wave Extension Circuits



Grebe S-L-F Condensers
Reg. U. S. Pat. Off.



Flexible Unit Control

Grebe "Colortone"

It is written:

"A gem is not polished without rubbing, nor a man perfected without trials."

The perfection of the Synchrophase has come from past years of ceaseless study and experiment.

Doctor Mu

Grebe Developments Keep the Synchrophase in the Lead in Quality of Reception

THE quality of Grebe reception is still the standard. Exclusive Grebe developments — *Flexible Unit Control, "Colortone", Low-Wave Extension Circuits, Binocular Coils, S-L-F Condensers*, etc.—keep it far in the lead.

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Ask your dealer to demonstrate the Synchrophase in comparison with other sets.

A. H. Grebe & Co., Inc., 109 West 57th Street, New York
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Western Branch: 443 So. San Pedro St., Los Angeles, Cal.

This Company owns and operates stations WAHG and WBOQ; also low-wave rebroadcasting stations, Mobile WGMU and Marine WRMU.

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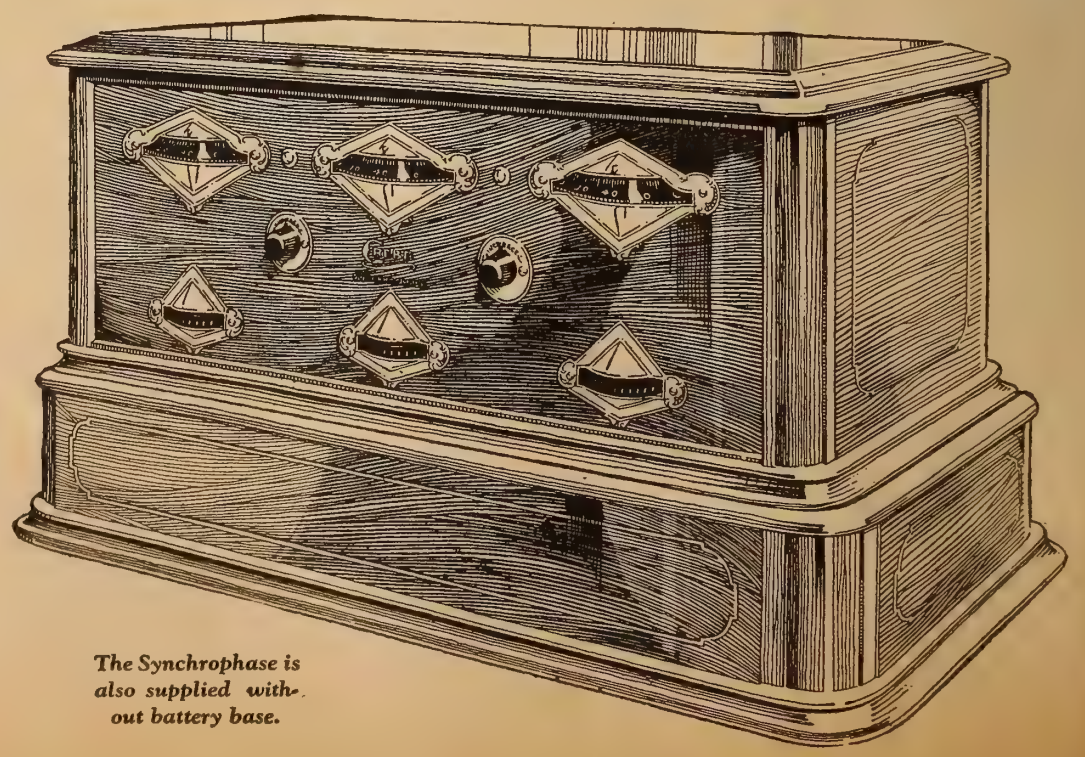

The Synchrophase is also supplied without battery base.

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New Crock Antenna Reduces Static

Radio Digest Illustrated

TWICE A MONTH

FIFTEEN CENTS

SECOND JUNE NUMBER. 1926

Title Reg U S Pat Off & Dom. of Canada

Vol XVII No 7

Exposure of WIL Little Ol' Professor; Wiring Directions for S-O-S Portable Super-Het; Hugh Fullerton's "Big Rabbit"; KFH, Wichita, Calls Charleston; Stories of WSMB, WRR

No. 9 OFFICIAL BALLOT

Announcers' Contest

RADIO DIGEST THIRD ANNUAL GOLD CUP AWARD

GOLD CUP AWARD Editor, Radio Digest,
510 North Dearborn Street, Chicago, Ill.

Please credit this ballot to:

.....of Station.....
(Announcer's Name) (Call Letters)

Signed.....

Address.....

City..... State.....

6-15-26

SHORT WAVES

By Marcella

Well, here I am, back in the studio, and ready to broadcast my next number which will be about Harry Geise, whose travels and tribulations my best inquirers seem to follow with much interest. I signed off last issue by saying that Harry was unofficially connected with any Chicago station as yet, but that he was in the city of his origin. Thereupon he staged a "prodigal son act" while last edition was still on the press, and returned to WQJ, Chi-CAW-go, in his old-time position of studio accompanist and assistant announcer.

* *

It's verra, verra difficult to get out with the news before something else happens and changes it all. Take that dear Phillips Carlin, for an example. This popular WEAF announcer was described in a late March issue as being married but having no children. The following week the stork visited his wife and left a darling baby girl who has been named Virginia Claire. But such things will happen, even in the best regulated families!

* *

No, Ruth, William T. Pierson, your favorite announcer who is heard at WCAP, is not married, although he admits having a slightly bald spot right on top of his head. He is about 5 feet 10 inches tall, weighs medium to heavy, and has brown hair and eyes. He is well known in Washington and elsewhere as a musician and composer, having written a number of popular songs, including "Washington," "Calling for You," "Be Still and Know," "When You Are Near Me" and "A Toast to the Flag." The Washington Rotary club boasts proudly of his membership. Violet Warren Pierson, whom you have heard reciting poems from WCAP, is Mr. Pierson's sister.

* *

"Blue Eyes" from the "Blue Grass State" stored up a lot of questions before she wrote, but here are all the answers. Last reports indicate that while "Willie the Weeper" (Ernest Rogers) of the WSB staff is not yet married, he is hunting around lonesomely for the "lucky" girl. Send in your applications. He's just as cute as he looks, auburn hair and everything, and about 30 years old. Who is WBAP's announcer? Regularly up to several weeks ago, C. B. Locke, but that gentleman is now in a commercial Radio sales position. Roland Perry is his successor. However, the best "regular" announcer of the Fort Worth Star-Telegram station is the famous "substitute" announcer, the Hired Hand. At WSM the announcer may be either George D. Hay, who is the boss and station director, or Jack Keefe, who wears the title of announcer.

* *

Now Sue, tune in WLS every Friday night and you will hear Grace Wilson. Yes, she was away from WLS for a long time and sang occasionally during her absence at KYW. As a pleasant Radio contralto, her voice is hard to beat, I agree. Ford and Glenn are still at WLS. Their frequent disappearance is accounted for by the number of personal appearances they have been making all over the country.

* *

Helen Hughes, of the Reese-Hughes orchestra, familiar to WHO and WOC listeners, is in New York, combining business with pleasure, she tells in a letter to me. The orchestra is resting, but listen in soon for Helen, her popular partner, Bob Reese, and their orchestra broadcasting from a big eastern station. More information later.

* *

Hilda would know of Stephen Cisler, late of WDGY, Minneapolis, and now announcing for WAMD in the same city. He is a southerner, with all the accent, and has played around with Radio since it became the idol of the public. Fortunately for my fair readers, he is not married, so there are hopes. He is studying engineering at the University of Minnesota, and incidentally, he has been heard before the mikes of WHO and WOC.

* *

Elizabeth Ann, always bubbling over with admiration of some invisible Radio personality, asks the important question regarding Neal Helvey, entertainer at

(Continued on page 13)

GIRL ON COVER HAS INHERITED TALENTS

THE charming confection of chiffon, silken straw, raven hair, blue eyes and pearls on Radio Digest cover this week is a lady with an inherited voice—Miss Margaret Libbe, 22-year-old daughter of Mrs. Frances Carey Libbe, well-known professional singer of Chicago.

Miss Libbe is gifted with a soprano voice that melts into the microphone with purity and clearness. She has presented five specially announced Radio concerts through Stations WJAZ and WGN. On some of the occasions she has been accompanied by her mother. Miss Libbe is a pupil of the famous Francesco Dadi and was recently awarded first prize for her accomplishments by the musical division of the Chicago Woman's club.

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Radio Digest, Illustrated, Volume XVII, Number 7, published Chicago, Illinois, June 15, 1926. Published semi-monthly on the first and fifteenth of each month by Radio Digest Publishing Co. (Incorporated), 510 N. Dearborn Street, Chicago, Illinois. Subscription rates yearly, Three Dollars; Foreign Postage One Dollar additional; single copies Fifteen Cents. Entered as second class matter May 3, 1926, at the post office at Chicago, Illinois, under the Act of March 3, 1879. Title Reg. U. S. Patent Office and Dominion of Canada. Copyright 1926 by Radio Digest Publishing Co. All rights reserved.

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Looking Ahead

Plantation Humor and Southern Romance are features that make WSM of Nashville stand out as one of the most popular stations in the Middle West. George D. Hay, the Solemn Old Judge, who selects and directs, knows his people and what they like. He tells about it in the Radio Digest out June 30.

What Makes Detroit Famous? Hark! Wait! Just a Minute, Mr. Ford, and all you other automobile manufacturers! There are other claims. For instance, it is a great broadcasting center. In Radio Digest of July 1 you will read and see something of the famous WGHP.

Speed in Delivery Is One of the Big Essentials in Efficient News Service, whether it be the press, motion pictures or Radio broadcasting. The latest thing to accomplish this end in Radio is the floating broadcast auxiliary, MU-1 of the Grebe organization, for relaying nautical sports direct from the field of action. Complete story and pictures of this remarkable boat in our next issue.

Sheila of the Vaudeville Scored a Perfect Hit—with the Male Headliner, but what could she do about Bobby? Then Jadwin, the booker, tried rough stuff when he thought he had her alone . . . . It's a snappy little story of love behind the footlights and Harry Van Demark is the author. In next Radio Digest.

Hugh Fullerton's Big Rabbit serial comes to an end in the July 1 issue of Radio Digest and he keeps you guessing right up to the last word. Don't miss it.

There's Magic in the Word "Raytheon." In next issue, out June 30, the Raytheon-Aerovox-Thordarson B eliminator, and how to build it, will arrest your attention. It works wonderfully well.

To Squelch Demon Static, Milo Gurney Digs up an Old Timer—a "Ham" who was building underground antennas when two dots and one dash constituted real reception. How he builds his best subantenna will be told in detail in next issue.

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BROKENSHIRE CLOSE TO MAY IN CUP RACE

EASTERNER THREATENS TO CAPTURE FIRST POSITION

A. S. Kyne, Henry Field and G. C. Arnoux Stage Big Climbs— Lillian Shaw Leads Canada

June weddings, 500-mile auto races and opening of swimming season notwithstanding, the 1926 Gold Cup Award has been running along merrily since the appearance of the last Radio Digest. Not a few changes have come about since the last published standing, and at this time we find Norman Brokenshire of WJZ nosing within 13 votes of taking the long-held lead of Earl E. May of KMA. The popular easterner is showing speed and may top the field at any moment.

Probably the most unexpected change took place when A. S. Kyne of KMMJ climbed into third position from out of the cellar where he has been hiding his light during the earlier days of the competition. How much power Mr. Kyne has is unknown, but this surprise gain makes his name one to be considered.

Field Rises; Would Withdraw

Next of importance is the rise of Henry Feld of KFNF from twelfth to fifth position. Seemingly indifferent to this striking gain, Mr. Field has sent out press notices and broadcast the word that he is withdrawing from the 1926 Gold Cup Award in favor of Mr. May of KMA. Mr. Field in withdrawing asks to put the full strength of his supporters behind Mr. May of KMA which station is in the same city as KFNF, Mr. Field's broadcaster. While Mr. Field may work for Mr. May's victory, a spirit which the Gold Cup Editor is sure everyone will admire, his name cannot be withdrawn on account of a previous ruling that only former cup winners may withdraw. Mr. Field finished second in 1925.

Fourth of consequence in the news of the contest for selection of the best announcer, is the gain of G. C. Arnoux, of KTHS, Hot Springs National Park, Ark., who gained seven notches since last issue, arriving at eleventh from eighteenth place. The Gold Cup Editor wishes to apologize to Mr. Arnoux for the two different times his station has been listed erroneously as WGY instead of KTHS, and promises that it shall remain K-T-H-S hereafter.

Standing of Leading Contestants

While better gains were made by the candidates whose names have been mentioned, three other cup aspirants deserve credit for climbing from the cellar to places in the first twenty-five. These men are Edw. B. Husing of WRC, Eugene Konecky of WOAW and E. L. Tyson of WWJ, who are now eighteenth, twenty-second and twenty-fourth respectively.

The present standing of the first twenty-five candidates is given below. The figure in parentheses following the name and station of certain announcers, indicates their order in the standing last issue if they were in the first twenty-five:

1. Earl E. May, KMA (1).....15,122
2. N. Brokenshire, WJZ (2).....15,109
3. A. S. Kyne, KMMJ.....12,736
4. Pat Henry Barnes, WHT (3)..11,381
5. Henry Field, KFNF (12).....10,804
6. The Hired Hand, WBAP (4).. 5,143
7. Phillips Carlin, WEAF (6).... 3,299
8. Peter MacArthur, WOC (5).... 3,205
9. Louis J. Johnen, WLW, (7).... 3,010
10. Clyde R. Randall, WSMB (8).. 2,917
11. G. C. Arnoux, KTHS (18)..... 2,706
12. Lester Palmer, WOAW (9).... 1,958
13. Gayle V. Grubb, KFAB (10).. 1,853
14. Robt. W. Griffin, WHO (11).... 1,821
15. Lambdin Kay, WSB (13)..... 1,776
16. Chester Gaylord, WTAG (14) 1,624
17. Wm. (Bill) Hay, WGN (15).... 1,492
18. Edw. B. Husing, WRC..... 1,417
19. Jerry Sullivan, WQJ (16)..... 1,274
20. Harold Isbell, KNX (17)..... 1,252
21. Paul Johnson, WCCO (19)..... 1,175
22. Eugene Konecky, WOAW..... 1,026
23. The Janitor, WFAA (20)..... 1,022
24. E. L. Tyson, WWJ..... 1,015
25. Sen Kaney, KYW (24)..... 1,002

Canadian Silver Cup Standing

The standing for the 1926 Canadian silver cup, to be awarded to the most popular Canadian announcer, has changed but little since last publication. Bert Hooper of CKCK, who was then fourth, has jumped to second place. Lillian Shaw of CKY still leads. The standing is:

1. Lillian Shaw, CKY (1).....1,571
2. Bert Hooper, CKCK (4)..... 638
3. H. C. Fricker, CKCL (2)..... 522
4. Geo. A. Wright, CNRY (3)..... 396
5. C. W. Darling, CFCF (5)..... 104

Five new candidates were nominated recently, bringing the total now very close to 200. The names will not be published at this late stage of the competition, but nominations made or votes sent in for unlisted announcers, will be credited in the book of the Gold Cup Editor.

(Continued on page 13)

WGY MAY BUILD GIGANTIC STATION

EUCHARISTIC CONFAB FROM SIX MIKE LINK

CHICAGO STATIONS JOIN TO GIVE GREAT SPECTACLE

Angels Mass with 50,000-Voice Choir and Chicago Symphony Among Many Big Features

CHICAGO.—When the Eucharistic congress convenes here Friday, June 18, four local stations will cooperate to broadcast all the principal events including the opening reception June 18 at the Coliseum, the entire inaugural mass at Holy Name cathedral and the address of the papal delegate on Sunday, June 20, the Sunday evening vesper services, and the various masses at Soldiers' field June 21 including the mass of the angels with a choir of 50,000 voices.

Splendid cooperation of Stations WEBH, WLS, WMAQ and KYW makes it possible to present all the important parts of the congress on from one to four of their wave lengths simultaneously.

Famous Musical Organizations on Air

The many musical attractions of unusual quality and magnitude will make the broadcasting an event of interest to persons of denominations other than the Catholic faith. The Chicago Symphony orchestra of fifty pieces will play in many of the programs and other equally famous musical organizations will be heard.

Speeches in all languages will be broadcast during the congress, and the speakers heard will represent the highest ranks of Catholic nobility. Cardinal Bonzano will make the opening address and the final benediction.

One announcer, acting for the Chicago Broadcasters' association, will announce each service, aided by Father Pernin, of KYW's "Twenty Minutes of Good Reading" series fame, who will check the technical correctness of announcements. Local stations linked for the occasion will make their own station announcements.

WLWL SUBLETS TOLL BROADCASTING HOURS

John Shepard III Takes Charge; WNAC Link to Come

NEW YORK.—John Shepard III, well-known broadcasting station manager, has taken over the booking of commercial programs for Station WLWL of the Paulist Fathers in New York city.

Several hours each week will be reserved for the especial programs of the Paulist league and the famous choir of that organization will continue to be heard regularly. Other features of the Paulist organization will continue to be available to Radio listeners, Mr. Shepard explains in outlining the plans for future programs.

A hook-up with Station WNAC of Boston, where Mr. Shepard is in charge, as well as WEAN, the Shepard Stores station in Providence is to be perfected.

A number of features that have appeared on the Shepard stations in Boston and Providence will be introduced on WLWL in New York and the application of the high class program selection that has made the Boston station one of the most popular in the East will doubtless result in increasing listeners for WLWL which is one of two 5,000-watt stations in the metropolitan area. Special efforts will be made to build up programs for the summer months.

Joe Laurie, Jr., Helps Open New Air Theater

Dedicates New Studios and Organ of Station WBBM, Chicago

CHICAGO.—Joe Laurie, Jr., noted star comedian of many musical comedy successes, was guest of honor at the recent formal opening of the remodeled and enlarged $50,000 studio of WBBM, the Stewart-Warner Air Theater.

The event included the formal dedication of the new $25,000 Barton pipe organ. On the special dedicatory program one of the stars heard was Al Melgard, organist at the Parthenon theater in Berwyn, whose reputation is national. Mr. Melgard is connected with the Bartola Musical Instrument company, manufacturers of the organ.

A number of public officials and members of other studio staffs were in attendance.

JOKER WITH MOBILE MIKE ANGERS SPAIN

MADRID.—Spain's Radio programs lately have been rudely and mysteriously dislocated by donkey brayings, seditious speeches, and ridicule of General de Rivera, the dictator, and his government. The authorities confess they are baffled in their attempts to find the interrupter, who is believed to have a powerful broadcasting set aboard an automobile. He is aware he is being hunted and has broadcast a message offering to wager anyone $7,500 he will never be caught.

PROSPECTOR SKIS 24 MILES TO THANK KGO

SAN FRANCISCO.—Snowbound in the mountains of Idaho, two prospectors have listened to KGO programs for two years until conscience finally drove one of them to ski twenty-four miles to the nearest post office to mail a letter of appreciation, "to express our gratitude", their letter states, "to you and all who broadcast. We have listened for two years, and we can wait no longer. Even if it does mean a trip of twenty-four miles on skis, we are going to write."

SHE STARS FOR KANSAS CITY STAR

The beauty of Miss Fredda Josephine Brown, an entertainer heard over the microphone of WDAF, the Kansas City Star, is equalled only by her versatility. Among her accomplishments one will find that the she plays the violin, often in string ensembles, gives readings, and plays the piano masterfully. Photo by Hixson Studios, (K.C.Mo.)

WPG GETS 5 KW. SET; PLANS BIG PROGRAMS

WPG, WIP and WGBS Chain Is Now in Operation

ATLANTIC CITY, N. J.—A new 5,000-watt transmitter will be dedicated early in July by WPG, "The World's Play Ground" station here, according to the announcement of Director Edwin M. Spence.

Coming on the heels of the recent wire linking of WPG, WIP at Philadelphia and WGBS at New York, the news assures listeners that the very best music and other Atlantic City features will be available all summer long.

Small tube and crystal set owners over a large area will be able to enjoy the programs from the chain which include symphonic orchestras, concert ensembles, bands, dance syncopators, choral societies, minstrel shows, leading soloists and novelty studio presentations.

WPG in link with WIP, Gimbel's Philadelphia station, will also be a vital part of the official chain of stations selected by the Sesquicentennial committee to broadcast the outstanding features of this great exposition.

Pleasure Resort Hotel Puts In Elaborate Receiving Set

PLEASURE BAY, N. J.—Although the idea of utilizing a Radio receiving set to supply or supplement dance music is by no means a new one, probably the most elaborate application of this idea is planned for the new Casino Biarritz, on the banks of the Shrewsbury at Pleasure Bay, New Jersey, which is to open June 24.

Although the place will feature Emil Coleman's orchestra, now heard through WHN, there will be installed a powerful six tube receiver with Western Electric amplifier. Besides the large cluster of loud speakers in the main dance room, the private dining rooms will each contain a loud speaker. The porch and lawn will also be wired, and it is planned to equip several small boats with portable sets.

HALF MILLION WATT OUTFIT IS DISCUSSED

Term Superpower Is Hit

Engineer for General Electric Company Calls It Misnomer—Really No Superstations Exist

SCHENECTADY, N. Y.—Superpower, applied to Radio broadcast transmitters operating on fifty kilowatts of power, is a misnomer, according to Harry Sadenwater, engineer in charge of the broadcasting stations of the General Electric company, at Schenectady, N. Y., Denver, Colo. and Oakland, Calif. He intimates that WGY may soon have a 500,000-watt or 500-kilowatt transmitter.

Mr. Sadenwater, in an address recently, said that the use of the term "superpower" is misleading and inaccurate, for actually fifty kilowatts of power is often used in lighting an electric sign, and when one considers the large amount of service that a broadcast station is called upon to deliver to a large number of listeners, it seems ridiculous to call this amount of energy superpower.

Explodes Fallacies of Listeners

Discussion of superpower led many listeners to expect impossible results from fifty-kilowatt transmission. Many feared to turn up their tubes for fear the expected influx of power would destroy the tubes. Others expected that the increased volume would shatter their sets and cause a bedlam through the loud speakers.

In reality, a tenfold increase of power from five to fifty kilowatts developed approximately three times the signal strength, according to Mr. Sadenwater.

The department of commerce has estimated that the range of a five-kilowatt station is approximately thirty miles for ninety per cent service to the listeners. This means twenty-four hours service every day of the year. Mr. Sadenwater believes this is a fair estimate in view of his knowledge that there are places within 100 miles of the fifty-kilowatt transmitter of WGY where satisfactory service cannot be received because of interference and strangely low signal levels.

Predicts Tenfold Greater Power

He also believes that the next practical step forward is to increase again the power of the broadcast transmitters by a factor of ten. First the stations went from 500 watts to 5,000 watts, and now two 50,000-watt stations are providing more reliable service to their listeners. The next step to give any gain in volume to the broadcast listeners should be 500,000 watts of 500 kilowatts.

"Such an increase in power would markedly increase the cost of operating the station," said Mr. Sadenwater, "and we do not know if such a step is practical. The five-kilowatt station may be operated successfully using three UV-207 tubes, but in the fifty-kilowatt transmitter twenty-two UV-207 tubes are needed. The rate at which the maintenance cost increases is high. We are now working on the problem of replacing the eight radio frequency amplifier tubes that are operated in parallel in the WGY fifty-kilowatt transmitter with a larger type of tube and possibly, with this, it will be economically practical to increase the power to 500 kilowatts.

"But even then there is no justification for terming such power as superpower. The station will only be more nearly equal to its task of supplying signals well above the noise level over a reasonable range of 250 miles."

Mother Hears Voice of Son She Hadn't Seen in 9 Years

SEATTLE, Wash.—When Mrs. S. D. Armour twirled the dials of her receiver in New Orleans, she accidently picked up KTCL, Seattle. As she listened the announcer said, "The next number, a solo by Cyril Brown." The song proceeded and Mrs. Armour recognized the voice of her son, whom she hadn't seen for nine years. She did not know he had become proficient in music. A letter to KTCL told of the aerial bridge established between the long-parted mother and son. So a complimentary program was arranged and again she heard her boy sing.

Pictures Are "Eyes of Radio"

THIS Page Is to Help Those Who Say, "Yes, I Know Them By Ear Only," When Speaking Of WSMB, New Orleans, Artists

By H. P. BROWN

WHEN Radio broadcasting first stepped out on the air with infantile, untried powers the publisher of this magazine perceived an important need for the listeners of that day and the future and proceeded immediately to supply it. And, forthwith, Radio Digest came into being with the announced purpose of being the "eyes of Radio."

That idea has been kept to the front from the beginning. On this page you find a creditable example of what that phrase, the "eyes of Radio," means. You see here, through the eyes of Radio Digest, some of the artists whom you perhaps have heard or will hear over Station WSMB of New Orleans. It is a typical example but not an extraordinary one.

Perhaps you have heard the soft, resonant voice of the fair young matron at the top of this page and wondered if she could be as pleasing to the eye as she was to the ear. This is Mrs. Philip Werlein, III, a charming daughter of the South whose home is in New Orleans. She is modern, progressive and does the things that many women wish they could do but don't know how.

When she first saw an airplane skimming through the sky she was thrilled. "I think I would like to fly," she said. So she did. And when she had flown as a passenger she thought she would like to fly as a pilot. So she flew and continues to fly as a pilot, where and when she wills. That's Mrs. Werlein for you—the same Mrs. Werlein whom you may hear speaking of civic welfare and educational extension over WSMB.

It was wonderful to go whirring off over the tree tops, the houses and hills at tornado speed—but—but—how would it be to just soar quietly, gently without noise and without the terrific rush of wind—a balloon? She tried a balloon and qualified as an aeronaut! Yes, the same lady whose picture you see at the top of this page!

There are many more interesting things about this wonderful woman whose soft, southern voice comes to you through your Radio receiving set. We would like to tell you of her adventures as a lion and tiger hunter, some of her experiences in foreign lands, her success as chairman for the Liberty Loan drive for the city of New Orleans during the World War, how she organized the Red Cross Canteen, and worked out staggering problems as financial chairman of the Council of National Defense, and is now director of an educational movement through a chain of sixty motion picture theaters scattered through five southern states, but space is limited.

Out of her multifarious duties Mrs. Werlein finds time for a chat with her Radio audience every Wednesday evening and she says, "the Radio and motion picture are revolutionizing education, amusement and family life throughout civilization."

Now let your Radio eyes consider the little barefooted miss, just below Mrs. Werlein. This is Miss Marcella Roth, aged 10, and her assistant, Miss Ophelia. Marcella is the Twilight Story Girl and at this particular moment you are permitted to see her—"them," I should say—broadcasting to some 10,000 or more of little friends that stirring narrative, "The Three Bears." Marcella has just exclaimed, "Somebody's been sitting in my chair and broke it all to pieces!" You see, Ophelia had her tonsils out a few days ago so she can't talk and that's why she's got her arms spread to show how the little bear's chair went down in a heap. Wouldn't you just love to have a broom straw and tickle that little foot where the toes are peeping out beneath Marcella? She has been one of the WSMB broadcasters every Friday evening for the past year. Marcella has 47 dolls and 47 hundred freckles that you can't see in the picture.

Below is the celebrated Castro Carazo, conductor of the Strand Theater Concert orchestra, famed for its classical concerts.

Mrs. Philip Werlein (above), who flies airplanes, balloons, hunts tigers and talks civic welfare on WSMB Radio. Marcella Roth (right), "Twilight Story Girl."

Clyde R. Randall (left), WSMB program director and announcer and "assistant" to little Miss Marcella as "Twilight Story Man." Famous Owls orchestra (below) of Roosevelt hotel and lower right are the "Six Musical Misses."

Did you ever wonder what kind of a looking chap stood up in front of that Strand Theater Concert orchestra and waved the baton when those wonderful cadenzas came sweeping into your room from the loud speaker? Well, here he is in the circle in front of Marcella—Sgr. Castro Carazo. Young, vigorous, intelligent, he blends the spirit of the younger generation with the skill and grandeur of the generations of music masters that have gone.

In the mysterious depths of velvet curtains and shaded lights that enshroud every broadcasting station there sits or moves a genius who brings all the elements together for the day on the air. He is the program director whose duties often are combined with those of the announcer. Sometimes he must fill in as a singer, monologuist or instrumentalist—a very versatile person. In the picture beneath Marcella is Mr. Clyde R. Randall, program director-announcer at WSMB and at the moment you are loooking at him in this picture he is filling in with (*Continued on page 29*)

Unmasks Little Ol' Professor

GRIDLEY DOLMES, the Great Detector, Deducts for Friend Watty that WIL Announcer Is Handsome Young Vaudevillain—Not Weazened Old Man with Watery Eyes and Overslung Brow.

"AND now what?" I asked with shameless curiosity shortly after I had entered the Oriental apartment of Gridley Dolmes, the Great Detector, and Hari Singh had relieved me of my hat and cane.

"You are just in time," said Dolmes. He nodded significantly toward a queer looking cabinet of teak, or it may have been mahogany or black walnut. It occupied all of a small table about five feet long beneath which I could see electrical battery apparatus with wire attachments reaching up to the back of the cabinet. A cable extended from one end of the cabinet to the floor and beneath a heavy velvet portier that screened the adjoining room.

"I think you will agree that my deductions were faultless in revealing the mystery of the Solemn Old Judge; I proved conclusively that he was not corpulent, that he did not have a wart on the side of his nose, that he did not sit on a bench and talk into a microphone balanced on a pile of musty law books. In fact—but never mind that. Tonight I am going to rip off the mask of the Little Ol' Professor." The Great Detector tapped a slender screw driver all mounted in silver and gold on the tips of yellow stained fingers and looked at me gravely through the narrow slits of his heavy eyelids.

"And I think, Watty, old horse," he added after a thoughtful silence, "we are going to find out what's going on in the WIL broadcasting studio. Are you ready?"

I felt the corrugated butt of the small automatic in my coat pocket and said with some reassurance: "I'm ready, Dolmes; let's go."

Without another word he tossed his Scotch plaid smoking gown to Hari Singh and turned abruptly to the cabinet which I now observed had a panel with three or possibly five or six protruding knobs and various calibrated arcs inscribed with figures and indicators. With both hands operating simultaneously he rapidly began twisting and turning these peculiar thumb pieces. Often I had seen him work at a safe combination with that same dexterity.

Suddenly there was a shriek as of ten thousand ghosts suddenly evicted from their tombs.

Not hard to detect that Leora Thomure (right) is this nice looking after hearing her pianologues and accompaniments at WIL. Frank Tritz (below) is the owner of that fine baritone where Leora plays.

Yes, indeed, Professor; we recognize these musicians as the original St. Louis University Hawaiian Serenaders from Hawaii and none other than.

Billy Knight (top) the "Little Ol' Professor," himself—proving herewith that Gridley Dolmes was right. Just above are the Four Aces of Harmony, whose voices have that satisfying blend. Eugene Meyer (below) concert pianist.

"What's that?" I whispered huskily at the same moment jerking my automatic and pointing it toward the room behind the portiers from whence the sounds eminated.

"Hetrodam! Blooperstatic!" gritted Dolmes. He took one of the knobs between his two palms and rotated it with lightning rapidity. The sounds increased and I was about to fire when he stopped suddenly and I caught the unmistakable murmur of a human voice from the darkened room.

"I got him, I've got him now," Dolmes stepped back with a look of relief, although beads of perspiration stood on his forehead.

"This is the Little Ol' Professor." Dolmes pressed a button that lighted the room as he entered. I heard the words myself as I followed at his heels. They seemed to come from a drum-like device, supported by a pedestal, on the mantel. The voice continued to articulate from this metallic object.

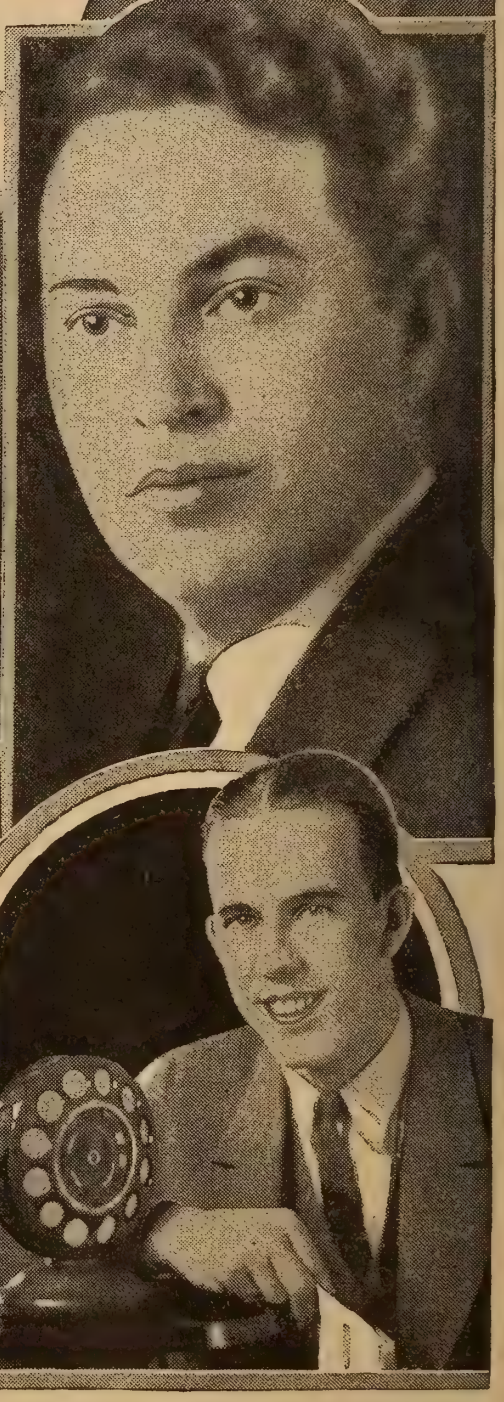
"Station WIL of the St. Louis Star. I wish to present to you tonight at this time our headliner act —the St. Louis University Hawaiian Serenaders—"

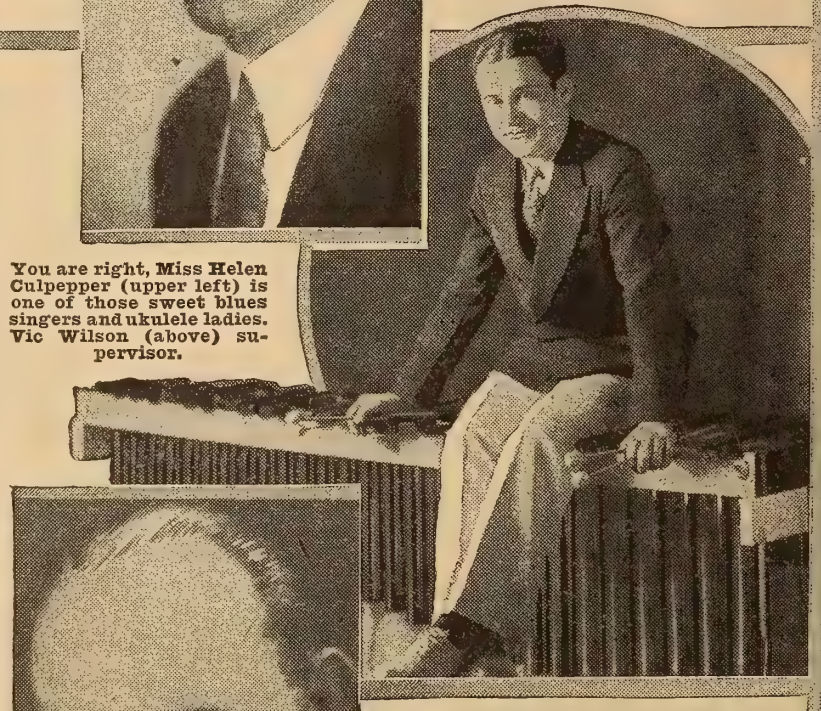
(Continued on page 14)

WRR Second Licensed Station

DALLAS Radio Fans Pass the Hat After City Contributes $10,000 and Collect Funds to Resume Municipally Owned and Controlled Station, First on Air After KDKA

J. Elliot Frank (upper right), poet laureate of WRR. Dr. James Wood (right center) staff singer, formerly with San Carlos Opera.





You are right, Miss Helen Culpepper (upper left) is one of those sweet blues singers and ukulele ladies. Vic Wilson (above) supervisor.

Virgil Whitworth (above), "Wizard of the Piano." At lower right, John Thorwald, chief WRR announcer.

Adolphus Hotel (below), home of WRR, Dallas. Paul E. Ashley (right), director of Magnolia Dallas band, consisting of fifty pieces.

By W. J. REID

Secretary Radio Commission, Dallas, Texas

HAVE you heard the call letters WRR, the City of Dallas, the city of achievement, sent out in continental code, also announced by voice a few seconds later? If not, tune in between the hours of 8:00 to 9:00 p. m. Central standard time, on 246 meters any evening except Wednesday, which is silent night, and you will hear the first municipal broadcasting station in the world and the second licensed station in the United States, KDKA, Pittsburgh, Pa., being first.

Radio development began in Dallas with amateur wireless telegraphy. Several amateur wireless stations were in operation before the World war, during which period they were closed down. The war department assumed control of all such equipment. After the war the amateurs began once more. The young amateurs led by several older heads, who were experts, patiently plodded away, little dreaming of the reward in store for them.

Frank M. Corlett, Western Union telegraph expert, was the local leader of the amateurs. At his home he rigged up a powerful wireless sending and receiving set. He found that the police department of New York was making good use of wireless in broadcasting descriptions of criminals and he proposed to police Commissioner McGee to do the same work for Dallas. His offer was accepted.

Ben Emerson, another Western Union man, had become keenly interested in wireless. As soon as the wireless telephone was discovered he built a Radiophone at his home. This was late in the year 1920. He had both sending and receiving equipment. Mr. Emerson volunteered to broadcast messages for the police department at the same time they were being broadcast by Mr. Corlett in code. The spare room in his home where he set up his apparatus became a station. With a phonograph he began to put music on the air.

In July 1921, Mr. Emerson sold his broadcasting set to the city and WRR, the municipal Radio station, was established on the second floor of the central fire station.

The first music broadcast over WRR, was from Victrola records. This music was appreciated by the public at that time and was used up to the closing down of old WRR by orders of the United States government April 1, 1925, on account of obsolete equipment.

The first speech over Radio in Dallas, was delivered by former Mayor Sawnie R. Aldridge. In the evening of election day, he was taken to Mr. Emerson's home as soon as the returns showed that he was victorious. From there he thanked the voters of Texas for their support. Several thousand persons were listening in, for by that time receiving stations had become numerous and loud speakers were in use.

One of the first programs broadcast was a Sunday morning sermon by Dr. George W. Truett from the First Baptist church. Arrangements were made to continue broadcasting his sermons. Later, music programs were out on the air.

One of the best advertisements WRR had in the early days was a big roadster used by Superintendent Henry Garrett in his duties with the signal system. He equipped the machine with a receiving set so that he could listen in while driving around and receive fire alarm signals which were broadcast automatically from Corlett's station. Music issuing from the car as it passed down the street aroused much curiosity.

While Radio was developing in Dallas, it was likewise making rapid advancement in other cities. Broadcasting stations were established faster than inventors were able to meet the needs of the new conditions. The government was forced to step in and regulate the music and (*Continued on page 29*)

Wichita Calls to Charleston

STATION KFH, New on Air, Has Heard from Mexico, Alaska, Canary Islands and Every State in Union Except South Carolina. Serves Large Area Between Kansas City, Omaha and Ft. Worth. Presents Artistic Programs.

ATTENTION, South Carolina DXperts! KFH of Wichita, Kansas, 268 meters, is calling. It is a comparatively new station, but it has heard from every state in the Union except South Carolina. Will some sharp-eared dial twister in the Charleston state nick into this wave and send for a confirmation card from Mr. Richard M. Gray, manager of the Hotel Lassen, and papa of Radio Station KFH?

It was Dick Gray who really put this section of the country on the Radio map and he is deserving of a reasonable amount of credit. You see Wichita is a trade center for a wide section of that vast area generally called the "Southwest." The people who live in the small towns and the country for a hundred miles round about can buy almost anything in Wichita that they could in Kansas City, which is the nearest metropolis and is located about 160 miles away.

For people who live in the large cities Radio broadcasting is regarded chiefly as a source of entertainment. For the farmer it has become a genuine utility—almost an absolute necessity. He needs it to keep abreast of the market quotations for his produce. It tells him when to sell and when to "hang on" to the best advantage. He gets the news of the world as it happens, without waiting for vicarious deliveries of the rural mail.

Out of the pressing need for a broadcasting station in Wichita, a 50-watt transmitter was installed by the Wichita Board of Trade and the Wichita Chamber of Commerce. It was used almost exclusively to inform farmers about the wheat market for, be it known, the state of Kansas is the greatest winter wheat state in the nation. The next nearest broadcasting stations of any size were at Kansas City, on the east; Dallas and Fort Worth, on the south; Denver, on the west and Hastings and Omaha, on the north.

"Thousands of people live around Wichita with small sets and they are unable to use them except to get the local market reports," said Mr. Gray as he talked the matter over with Merle K. Bennett and J. L. Fox of the Adams Music company and other Wichita business men. "There is plenty of good talent in Wichita and it is a public duty to our city and our community that we install a broadcasting station that will give our people the same advantages other communities enjoy."

The upshot of it all was, that Mr. Gray took the 50-watter off the hands of the trade boards along with the efficient operator, Amos Dadisman. Then he bought a new 500-watt outfit and went down to Washington for his call letters. The bureau recognized the actual need of a station in Wichita and he had no trouble getting the call letters KFH and the 268-meter wave.

Then Mr. Bennett and Mr. Fox bustled around working up the entertainment features. By the time the 110-foot towers were in place on top of the hotel and the station house and its contents were established on the roof, all the needed talent was in line and ready to take the air.

The grand inauguration was held last January 29, Kansas Day. On the program was the very charming Miss Dorothy Crewe, who, despite all that has been said about sopranos on the air, simply took her Radio audience by storm. Her voice has that soft, seductive quality that seems to coo like a dove through the receivers. There were scores of letters and cards complimenting the McVicar-Howard ladies' quartet. Some said they were the "best on the air anywhere." Of course Harry Hunt's Imperial orchestra, which plays regularly at the Hotel Lassen, furnished its share of the entertainment. Solomon M. Kaiawe, Clifford M. Smith and Gage K. Brewer put on a Hawaiian feature that brought a flood of requests for "repeats." And the Coleman string quartet was another feature that delighted the listeners throughout the Southwest.

These entertainers still are features of KFH and since that day many new ones have been added.

And you will please make note of that, Mr. DXpert of South Carolina. If you should chance to be dialing on a Sabbath morning when many of the other stations are silent it is probable you will hear a sermon by the Rev. W. H. Rogers of the First Baptist church. Alaska and Mexico have reported long ago and now Mr. Gray will be glad to hear from you.

Imagine what KFH could have done in the old days when the notorious James boys were roaming through these parts making large bank collections with the aid of blue steel and cold lead! "The James boys are now heading west from Winfield," the announcer would say. Farmers, posses, sheriffs, deputies would be quickly mobilized to form an iron ring that would bring their bandit careers to a speedy end.

It was the dulcet voice of Miss Dorothy Crewe (top) which won many of the first friends to the new Kansas station, KFH, Wichita. At left is Richard M. Gray, manager of Lassen hotel, who launched Station KFH. Below, Hawaiian Entertainers, left to right: C. M. Smith, G. K. Brewer and Solomon M. Kaiawe. In circle, Merle K. Bennett, director.

At left is J. L. Fox, assistant program director and announcer. Below is the Coleman String quartet. Left to right they are: Ivan Streed, Terry Ferrel, Edward Turner and Frank Hollowell.

BIG RABBIT

by Hugh Fullerton

SOMEWHERE behind that proscenium of arching trees and swaying Spanish moss, beyond the maddening babble of these wrangling, half-barbaric blacks was Roberta, beautiful and imperious. Was she? A sickening thought that she may have been overwhelmed by Trimble, Big Rabbit, the self-elected chief of this horde of zootheistic fanatics caused me to gasp and yearn for some decisive action.

But I knew that Borton, the efficient, my very capable buddy, was also back there and I felt reassured. It was my place to stand and wait.

We had followed her from Atlanta to Florida, after she had been virtually kidnaped by Trimble and her guardian, Major Gaskill. They had vanished into the jungle wilderness of the upper St. Johns. Borton had discovered their hiding place by desperate stalking, wading and swimming the treacherous swamps. He found that Trimble was a haughty and greatly feared mystic of the superstitious negroes, known as "Big Rabbit."

Once he had reached the jungle depths he assumed control and Gaskill, who had formerly used him and his followers in a big lumber steal, was in his power along with the pretty white girl, Roberta Tonneson, his ward.

Danforth, a New York detective, sent to investigate the timber thefts, had joined us. He and I had disguised ourselves as negroes to mingle in the throng at this great assembly called by Big Rabbit. Borton was working, literally, behind the scenes. The negroes were waiting for their chief to appear on a great stage, erected in a cleared amphitheater.

While Danforth had gone around listening to the group conversations I had prowled a little behind the stage and found Tillie, Roberta's maid, now sick of Trimble and ready to assist in his downfall. She was scheduled to have a part on the stage in the forthcoming demonstration.

The fireworks were about to start and I joined the throng, ready to shoot in defense of the girl, whose part in the performance I could not foretell.

CHAPTER X

The Rabbit Appears

HOARSE murmurs of half repressed excitement throbbed through the strange assemblage, as the excitement increased and the weird, mystic inherited memories of tribal rites in African jungles stirred within the black breasts. Pressed toward the front of the swarm of negroes I felt my own pulses quicken with some strange fever which seemed suddenly to seize upon all. What it was I could not tell. It seemed as if some strong, mysterious emotion passed from man to man; a fever that set the blood racing, and tensed the muscles.

The bedlam which had endured for an hour commenced to subside; the sound of the mob took on a deeper tone. The shrill cries and laughter, and the screams of overwrought women became less and less frequent. No announcement had been made, no message flashed, yet everyone, by common impulse was pressing forward, closer and closer to the barrier line marked upon the ground to hold them back from the stage which soon was to be the scene of a strange drama of superstition and barbarism. In spite of my efforts to keep calm and to control my thoughts I felt the mysterious force which seemed to direct the mob.

Suddenly I remembered Danforth and strove to pick out from the nearest of the vicious, beastial looking blacks the form of the little detective. Once I thought I saw him in a group near the front rank of the crowd, but as I looked the man drew back and was lost in the press.

The scene was becoming more impressive, fantastic and barbaric as the noise subsided. Still there was no action. Then, without notice, a single blow was struck upon a drum. A roar swept, wavelike, over the crowd. Two small doors opened at the back of the stage and two huge negroes, attired in long, white cotton tunics, ran out at either side of the stage and threw arm loads of turpentine-soaked pine into the big kettles.

In a moment the flames leaped thirty feet high into the air, flaring almost to the limbs overhead and setting the moss high above swaying with grotesque effect. The firelight danced a devil's dance with the shadows along the edge of the swarm. The crowd, murmuring now with a lower note, muttering with suppressed excitement and expectation, pressed a step closer toward the stage. There were few audible cries. It was a heavy, muttering undertone, a rumbling of pent passions, a thousand voices, gutteral and deep, speaking as one.

SOME mystic rite was about to be performed. The thought flashed through my mind that this ceremony was the offshoot of some great religious rite celebrated perhaps hundreds of years ago among the savage tribes of Africa and handed down, generation after generation, to the sons and grandsons of slaves captured when rum and negroes were the chief imports of the Massachusetts traders.

The door at the rear, exactly in the center of the stage, was thrown open. A gigantic black, bearing aloft a great, flaming torch, entered and, after remaining motionless, facing the crowd for an instant, as if in silent salutation, slowly elevated the torch until its flames leaping upward, struck upon the writhing, twisting cluster of rattlesnakes suspended above the throne. As the heat beat upon them the serpents twisting, striking at each other, rattling in agony, hissed and fought until the mass became a living pinwheel of venom and death. The deep, sibilant breathing of the massed negroes changed. Half hypnotized they expelled the air from their lungs in sympathy, and a hiss like that of the snakes, multiplied a thousand fold, arose. A woman, overwrought, screamed wildly somewhere in the crowd.

The two torch bearers at the side of the stage who had stood, motionless during this scene, stepped forward, plunged fresh torches into the seething cauldrons of turpentine flames, drew them flaring from the fire, and, advancing with measured steps toward the heads of the shackled alligators, thrust their fiery weapon against the snouts of the saurians. The cavernous mouths opened wide and the bellowings of rage and pain of the tortured things smote upon the air until it shook. As the mouths opened the torch bearers plunged the flaming firebrands into them. The huge tails flailed the air and beat hollowly upon the logs to which they were shackled. Like the echo of their bellowings the throng voiced its approval; the voice of the mob deeper and more terrifying than was the rumbling of the bull alligators.

AGAIN, as if unconsciously, the crowd surged forward a space as though drawn closer by some strange force. I felt myself pushed close to the dead line, nearer the stage and quietly resisted, looking around quickly. All eyes seemed fixed upon the stage, seemingly incapable of seeing anything else. They were gazing at the scene quite hypnotized, held in thrall by their own emotions which were being played upon in this fantastic fashion.

Mummery and hocus-pocus although it appeared to me to be, I understood now the vast power over the negroes acquired by Trimble by his play upon their primitive passions and their ancient superstitions. The turning back to idolatry of these atavistic beings of the swamps was easy of accomplishment. I felt suddenly helpless realizing the desperate nature of our undertaking to capture Trimble and rescue the prisoners. As long as the spell cast over them by the weird ceremony and the barbarous surroundings endured we were safe. But if we were detected every negro in the crowd would be ready to tear us to pieces at the slightest indication of Trimble's wishes. The insanity of superstition, the remnants of the zootheism of their African forefathers was upon them.

The crowd was waiting now for the bigger scenes of the spectacle and I grew uneasy, wondering why the master of mummery had not made his appearance. Suddenly the entire crowd, as if by some instinctive impulse, vibrated with a new emotion and surged forward again.

"Ai-i-i-YI-!"

This wild yell of greeting and expectation burst from a thousand throats at once. The final, sharp, staccato note crashed upon the ear drums like a blow. Men bellowed hoarsely; women screeched and shrieked in a frenzy of half hysterical excitement.

"Ai-i-i-i-YI-!"

THE indescribable howl arose again. The swamp seemed flooded with noise. The heavy trees which walled the open space sent the sound crashing and reverberating around and around the devil's cathedral of the woods, and the wide stage, acting as a sounding board, hurled it back. The snakes writhed, rattled and hissed unheard.

"Ai-i-i-i-YI-!"

The half wail, half cheer, exploded from the lungs of the negroes for the third time, louder and wilder than before.

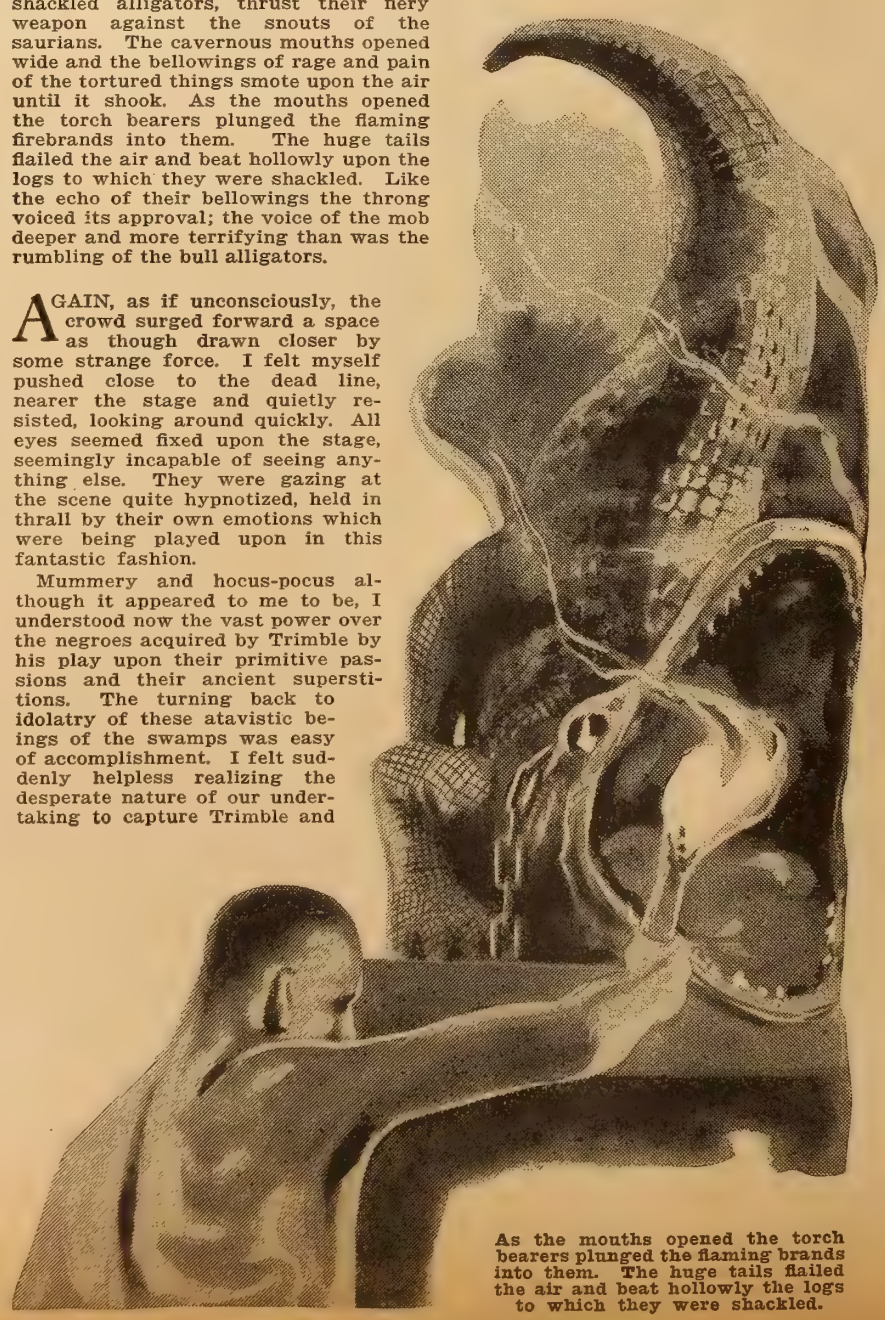
Suddenly a silence which seemed thunderous after the indescribable din, fell upon the assemblage.

Again a single, reverberating blow upon a drum. The door again opened. Before I could see what it was that was slowly entering upon the stage the crowd went into a paroxysm of screams, screeches, shouts, cries and frenzied yells.

"Ai-i-i-i-YI! De Big Rabbit! De Big Rabbit! Ai-i-i-i-YI!"

At the door there appeared a figure entirely clad in the skins of rabbits, two huge ears sticking straight up, the fore paws drooping from the wrists. The creature hopped several times then straightened, and walked erect with pompous strides. Almost at the first movement I recognized the form of the arrogant, egomaniac negro, Trimble.

"King Solomon," as he called himself, had come into his kingdom. Wilder and wilder grew the excitement; louder and louder the din. The bellowing of the men, the screams of the women, the affrighted roars of the tortured alligators, the flailing of their tails upon the logs, mingling, stunned the ears.



As the mouths opened the torch bearers plunged the flaming brands into them. The huge tails flailed the air and beat hollowly the logs to which they were shackled.

THE scene was beyond description. Men tore themselves free from the packed ranks and hurled their bodies prostrate in the open space before the stage. Women, tearing their scanty garments from ebony bodies, flung themselves down onto the ground, or knelt, beating their breasts with their fists and chanting some weird refrain. A hundred were on the ground in the open space, some with heads close to the flaming kettles. A fat wench, standing near me, with face upraised, shouted as if at camp meeting. A madness seized upon the multitude the madness of fanatical hysteria. Few words were distinguishable. In their emotional frenzy they were speaking in the language of their barbaric ancestors.

Somewhere to the left of where I stood a big negro, bare to the waist, commenced booming out in a deep bass voice, a chantey frequently sung by the river negroes. Evidently that chant was the modern version of some savage African hymn. The words were meaningless, but the swing and rhythm of it as sung by the frenzied crowd sent chills through the blood.

"Ho Riley, Ho Riley, Ho Riley
Ho, Riley, Ho!
Come Riley, Come Riley, Come Riley—
Ho, Rabbit, Ho!

In an instant the throng had taken up the strange, unmeaning refrain and the words rolled through the forest with something akin to solemnity in them. The hysteria commenced to pass as the overwrought feelings of the mob quieted under the influence of savage harmony.

For perhaps five minutes the weird monotony of the chant continued. Then silence fell, as the rabbit, standing and stretching to full heighth, upraised a huge rabbit's foot and performed some mysterious incantation with it making slow movements under the cluster of writhing snakes. A murmur greeted the act, deep throated and gutteral.

THE torch bearers plunged fresh torches into the fire pots, raised them and tortured the alligators and snakes, goading them into new outbursts of frenzy.

The drum sounded once more.

The mood of the crowd changed. A roar as of applause, laughter and raillery succeeded the tense undertone. Comedy was to succeed tragedy. As the door at the rear opened again a smaller figure, clad in rabbit skins, hopped out onto the stage. The figure was graceful and lithe, the movements quick and saucy. The rabbit face mask in contradiction to the lissomeness of limb and body, was weazened and old and the pert position of the ears, together with the wrinkles of the comical face, gave this rabbit the appearance of preternatural wisdom.

"Ai-i-i-i! Mammy Bammy!"

The crowd yelled in almost childish delight.

"Ai-Yi—Hyah de Big Money! Hyah! Mammy Bammy! Mammy Bammy look wise!" Evidently Mammy Bammy was popular and well liked while Big Rabbit was some symbol of power to be dreaded. Even I, ignorant of superstition and of negro tradition, understood that.

The Mammy Bammy hopped pertly across the stage, preened her fur and squatting, facing the crowd, wiggled the nose while the crowd yelled in delight.

I understood at last. The person inside that coat of rabbit skins was Tillie.

She hopped in front of the throne chair, cocked her head first one side, then the other toward Trimble. Hopped to the smaller chair, onto the dias and into the chair, seating herself and mov-

ing the head from side to side, each droll effect bringing a roar of glee from the crowd.

Big Rabbit waited, restless, impatient. Twice he made motions with his paw, jealous that Tillie should hold the center of the stage and appear to defy him.

The drum sounded hollowly—one deep stroke.

THE crowd fell into silence again. Trimble, stretched to his full height, took one step forward, holding aloft in one hand the huge rabbit foot which seemed his sceptre or symbol of power. For an instant he stood motionless, allowing the silence to add to the effect. Then he took one more step forward—and stood statue like—.

The drum boomed.

For a full half minute the big negro stood rigid. Then he spoke, his tones vibrant.

"Big Rabbit is free."

A murmur ran through the multitude, although it seemed that not one man or woman had moved or spoken.

"The white man who tried to tame Big Rabbit is caught in his own trap."

A deep rumble of approbation answered him.

"The timber belongs to us. This time we take it for the big rabbit and the big rabbit's children."

A long mutter of admiration and assent ran through the throng. Trimble stood erect, arm outstretched, waiting for the murmur of approval to subside.

"This time each rabbit will gnaw two pine trees."

The suppressed excitement and murmured assent increased.

"Next week, on Tuesday, gnaw one tree and float it to the nearest raft. Friday gnaw another tree. Twice a week we will gnaw, and the white man's mill will saw the trees. This time the money is ours. The white rabbit is in our trap."

A WILD outburst of excited voices followed the announcement. Again Trimble raised high the Rabbit's foot, commanding attention. A man had been pressing close against me and twice I had moved slightly to avoid contact. As Trimble issued his order to his follower the man gripped my arm tightly, and as I started to jerk free from his grip I whirled and saw it was Danforth.

"That rabbit is my meat," he said in a low tone. "He's the one I've been chasing."

Before I recovered from the start he had given me he was wriggling away through the crowd. I would have followed, but my plan already was made. I determined to remain at that place, watch every movement of Trimble, and to shoot if the necessity demanded it.

I understood the situation clearly. Major Gaskill, authority on negro customs, had used his knowledge to gain power over them and get them to aid him in vast thefts of timber. Trimble, his tool, had turned upon him.

The negro was talking now, rapidly, passionately, his voice raising and falling as he preached the wrongs and the rights of the colored man. The man was a consummante actor. Scarcely a sound came from the savage crowd save the heavy breathing of men under strong emotion. Trimble explained how this great theft of timber was to be accomplished.

The torches were burning lower and the pitch-pine fires in the big kettles were dying down. A strangling pall of resinous smoke was commencing to settle heavier and heavier over the scene. The chances of escape by a sudden dash improved with the declining light.

It is impossible to reproduce the words of the big rabbit. Half of them, after he became frenzied by playing upon his own emotions, were meaningless jargon. He delivered a tirade against the white race, and as his excitement increased he lapsed into the dialect of the negroes. The man was beyond doubt insane, crazed by morbid pride and hatred of the man who had been his master, drunk with his power over the negroes.

IT WAS evident Trimble was working the crowd up to some climax and I shuddered as he played upon the superstitions of his followers, invoked their slumbering hatred of the whites, goaded them with a desire for wealth and freedom from the labor that had brutalized them and made them lower than the beasts of the field or forest.

His tirade became wilder and wilder until his voice rose almost to a shriek. His audience, swayed by his savage eloquence, moaned, groaned, shrieked in rage and snarled in furry. The woods seemed to shake as they voiced barbaric resentment to the wrongs of the blacks of a dozen generations.

Gradually the fear was growing within me that Trimble's intention was to wreak his vengeance upon the white man and the girl he held captive. I shivered with horror and gripped the automatic tighter. The nature of the vengeance became more clear when he drew a many lashed whip from the folds of his rabbit skin costume and made its throngs hiss through the air to emphasize his words. He intended to break Major Gaskill's spirit, to flog the aristocratic, overbearing white man who had scorned him while using him. He would whip him for the gratification of this throng of frenzied negroes, now mad with hatred. He would show them he was master.

The drum thundered. The whip hissed through the air. The door opened. Major Gaskill entered, followed by Roberta Lee Tonneson, and a sick dread of what was to come seized upon me.

Major Gaskill walked erect, scornful, disdainful. Even the knowledge of his dishonesty and his crooked methods did not keep me from thrilling with admiration at his bearing. He faced Trimble, his lip curling with scorn, and spoke sharply. In spite of his brave words the negro flinched and gave way. Ignoring the presence of the multitude the major stepped protectingly between the negro and his ward. What he said to Trimble no one save those on the stage could hear—but it cut deep.

The negro, maddened by the fact that he had flinched and by this movement acknowledged the superiority of the white, stepped forward angrily, raising the whip as if to strike. My hand tightened around the butt of the automatic. Before the blow could fall an uproar which made the din preceding it seem small, arose and announced the strangest scene of that night of weird happenings.

CHAPTER XI

Jedge Terrapin

MAJOR GASKILL, drawn to full height, his white hair uncovered, stood unflinching, a look of sneering contempt on his face. A growl of rage and savage desire arose from the crowd; the cry of the oppressed suddenly armed with power. Big Rabbit had stopped as if paralyzed, the writhing thongs of the whip still swaying as he held it aloft. Miss Tonneson stepped forward a pace, her little foot stamped the platform and she spoke sharply. The imperious gesture of her hand interpreted her words which none save the actors in the strange tableau could hear.

The door at the rear had opened again, but none on the stage, save Trimble, saw the figure which appeared in it. The crowd saw and a murmur arose. As the girl spoke to him Big Rabbit drew back, wincing. Her words had stung him out of the paralysis of surprise that seized him as the door opened. Her words appeared to lash him into fury. Raging, he stepped toward the girl, with whip uplifted. My automatic leaped from my pocket. I was determined to fire before that lash could fall, regarding his ground a moment, backed slowly away as the turtle advanced upon him. Mammy Bammy, crouching, was scared. The beautiful white girl and the tall, stately man with the white hair and mustaches, seemed out of the cast. The turtle, waddled slowly toward Big Rabbit who retreated, step by step, as if afraid.

The rabbit had backed almost to the side of the stage when the turtle upreared itself upon its hind flappers, its head wagging and faced the rabbit. Trimble suddenly emitted a cry of rage, lifted the whip and leaping forward lashed at the head of the tortoise.

A howl as of maddened animals greeted the act. The crowd surged forward angrily. For an instant it seemed as if they would rush the stage, seize the rabbit and tear him to pieces. It was plain the rabbit had committed an act of sacrilege in striking the tortoise.

But the forward surge of the crowd stopped short. A shrill scream of appreciation and delight arose. Like a flash, as the whip was falling, the terrapin, swinging its right flipper, had hit the unprepared Trimble squarely on the jaw and the giant negro, in his rabbit skins, dropped like a stricken thing and lay kicking on the boards, for all the world like a dying rabbit.

A THRILL ran through me. Before I could figure out what the reaction of the blow would be the crowd screamed applause.

"Ai-i-i-i-YI! the crowd yelped, "Ai-i-i-i-YI—Ol' Jedge Terrapin too much foh Big Rabbit!"

That lightning like blow of the flipper struck me almost as hard as it struck the rabbit. In the motion I recognized a punch which had often landed on me in friendly boxing contests. The man in the terrapin shell was Borton. As the crowd screamed applause of his act in knocking Trimble down I realized that, for the time being, he was safe and the sympathy of the throng was with him. The half crazed crowd, aroused because the rabbit had dared strike Judge Terrapin with a whip, was ready to defend him.

Big Rabbit had backed almost to the side of the stage when the turtle upreared itself upon its hind flippers . . . . swinging its right flipper, hit the unprepared Trimble squarely on the jaw and the giant negro in his rabbit skins dropped . . . kicking for all the world like a dying rabbit.

A HUGE turtle, its shell almost five feet across, its head protruding ludicrously, light flashing from its eyes, waddled slowly out to the center of the platform, its big flappers slapping the floor.

"Jedge Terrapin done come! Jedge Terrapin done come to hol' court"

The negroes were in a frenzy of excitement. Some laughed, some shouted, others wailed, expressing a new emotion I could not understand. A few flung themselves again and shouted:

"Jedge Terrapin—! "Jedge Terrapin—! De Jedge! De Jedge!"

I stood amazed, incapable of action, bewildered, wondering what next was to happen, understanding only that something had happened to Trimble's drama.

It was like some scene from a fantastic pantomine, which was incomprehensive to me but which the negroes appeared to understand. Big Rabbit, holdless of consequences. But the shot never was fired.

"Ai-i-i-i-i-YI!"

The savage yell of the multitude, higher pitched and shriller than ever, announced the new development. The lash dropped from Trimble's hand and he drew back bewildered and terrorized by the unexpected turn. Major Gaskill and Miss Tonneson, turning quickly to see the cause of this new outbreak, stepped backward, as in amazement. The Mammy Rabbit slipped down from her chair and crouched, half hiding, and trembling beside her dias.

Emerging from the doorway was the strangest figure of that nightmare phantasmagoria.

"Ai-i-i-i-i-YI!" "Jedge Terrapin—" "Jedge TERRAPIN!"

The negroes, excited to a higher pitch than ever, screamed wildly.

The terrapin stood erect, wagging the head with comical effect, as if boasting of the feat. With a raucous laugh he spurned the rabbit with a backward kick of one flapper and waddled across the stage. The crowd broke into appreciative guffaws. The terrapin stopped directly in front of Major Gaskill, extended the neck and pushed its sharp nose close to Major Gaskill's face, wagging the head drolly.

"Ai-i-i-i-YI!" yipped the delighted crowd.

The ungainly monster waddled a few paces, approached Miss Tonneson and, stretching his neck, turning the head sideways, appeared to be examining her face closely. The negroes, delighted, yelled again. The girl started, shrank back then stiffened suddenly and stood still. I knew from her actions that Borton, under cover of his coarse comedy, was explaining the situation to her and telling her how to escape. She moved a trifle closer to the major, instinctively for protection, but made no move to depart.

THE turtle waddled to the prostrate colored girl, dropped to all fours and appeared to be looking at her. Tillie, who had shrunk from him suddenly, became active, rose to all fours and hopped around the stage, stopping close to Miss Tonneson.

Trimble was commencing to recover from the effect of the blow and was starting to sit up when the terrapin waddled to him and half lifted him from the floor. I did not know until later that an automatic, pressed against his ribs and a rapidly hissed warning was the chief propelling force. The strange pair moved across stage to the rear door where the rabbit disappeared; the ter-

(Continued on page 28)

S-O-S: New Portable Super

DESCRIBING Wiring in Most Simple Manner Possible. How to Add the Finishing Touches Told in Detail.

By MILO GURNEY

IF THE Rev. Abner Hitchcock—hailing from Massachusetts—doesn't put down a long "good mark" for me, one that I can show the doorkeeper when I leave this vale of tears, then I'll be "offa" preachers for life. The reverend wrote to me that circuit diagrams meant just about as much to him as a treatise upon hygiene would to a hog. Which merely prefaces my remark that in place of furnishing a wiring diagram for the connections of the S-O-S Portable, a numbered and lettered wiring plan is given herewith, while the wiring instructions will follow this "point to point" system.

Assuming that you have mounted all of the apparatus including the audio transformers, which are of the sub panel mounting type, we are then ready to begin the wiring. Celatsite flexible wire has been specified, because it is so convenient and for its special fireproof spaghetti covering. Other insulated flexible wire may be used but the size used should not be over 16 gauge.

Referring to figure 4 of the last issue, drill holes were shown beside of the Victoreen transformer mountings as well as beneath the variable condensers and at other points wherein the wiring passes through the sub panel. This allows all of the wiring to be concealed.

The Thordarson transformers mount just back of Benjamin sockets 7 and 8. Holes are drilled to permit the posts of the transformers to pass through the panel where connections may be made. The locking studs on the transformer posts fasten the transformers to the sub panel. Each grid leak and its associated condenser is shown as mounted either upon the face of the sub panel or underneath it if desired, while the C battery is intended to lie flat upon the base of the portable cabinet underneath the sub panel.

The Wiring Operations

We are now ready for the wiring which will be given in alphabetically lettered operations and from point to point. Refer to the large drawing below.

A.—Connect G terminal of Victoreen 1 to terminal 2 of socket 2; G terminal of Victoreen 2 to 3 of socket 3; G terminal of Victoreen 3 to 5 of socket 5, and G of Victoreen 4 to one terminal of the Aerovox grid condenser. Remaining terminal of this condenser is attached to 6 of socket 6.

B.—Connect P of Victoreen 1 to 9 of socket 1; P of Victoreen 2 to 10 of socket 2; P of Victoreen 3 to 11 of socket 3, and P of Victoreen 4 to 13 of socket 5.

C.—Connect + terminal of Victoreen 1 to the + terminals of Victoreens 2, 3 and 4, and from + on the latter connect plus B terminal of Thordarson transformer T-1.

D.—Connect F terminals of Victoreens 1, 2 and 3 together, and from F terminal of 3 connect to 47 of potentiometer C. Connect together the terminals 17, 18, 19, 20, 21, 22, 23 and 24 of sockets 1, 2, 3, 4, 5, 6, 7, and 8.

E.—Connect terminals 26, 27 and 29 of sockets 2, 3 and 5 together. Connect 26 of socket 2 to 39 of rheostat B. Connect terminals 30, 31 and 32 of sockets 6, 7 and 8 together, and from 31 of socket 7 connect a wire to 37 on rheostat E.

F.—Connect, in order, by means of a long wire, 33 of rheostat A, 34 of rheostat B, 35 of potentiometer C, 40 of rheostat D, and 41 of rheostat E.

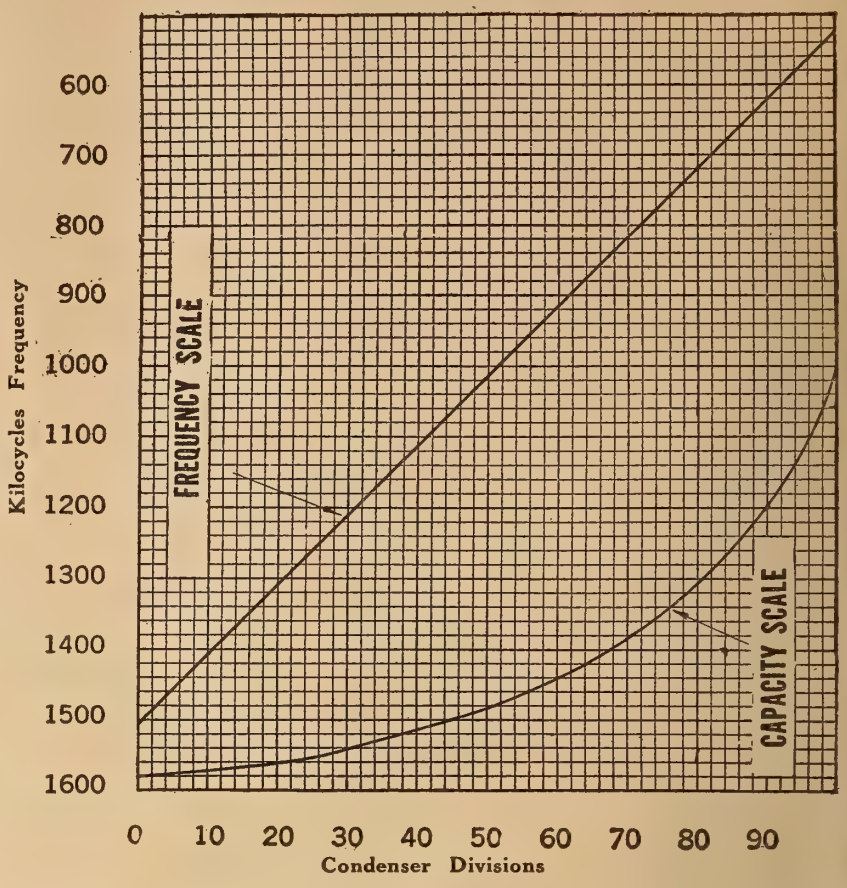
G.—Connect 25 of socket 1 to 38 of rheostat A; also 34 of rheostat B to F of Victoreen 6 and from here to one terminal of the 1 mfd. Aerovox condenser. Connect the + terminal of Victoreen 6 to remaining terminal of the 1 mfd. condenser and also to + of Victoreen 2.

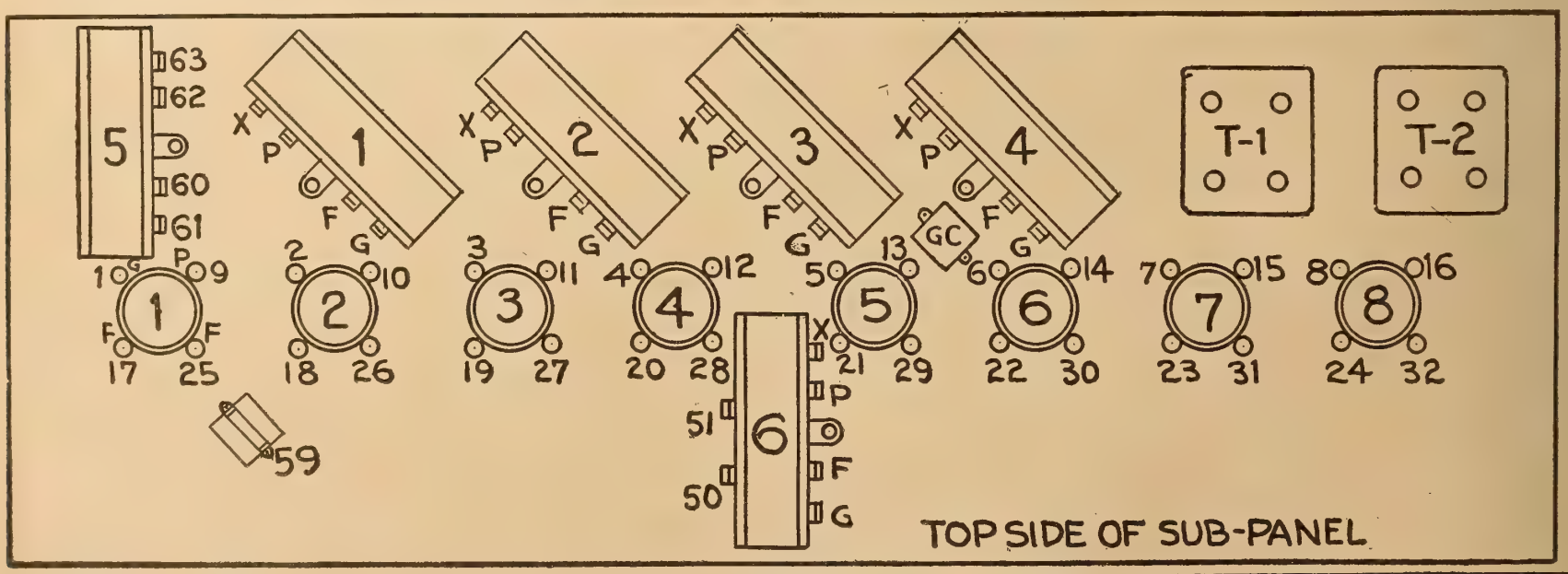
H.—Connect the P of Victoreen 6 to 12 of socket 4 and on to 45 of Amsco variable condenser F-2. Connect G of Victoreen 6 to 4 of socket 4 and on to 46 of condenser F-2.

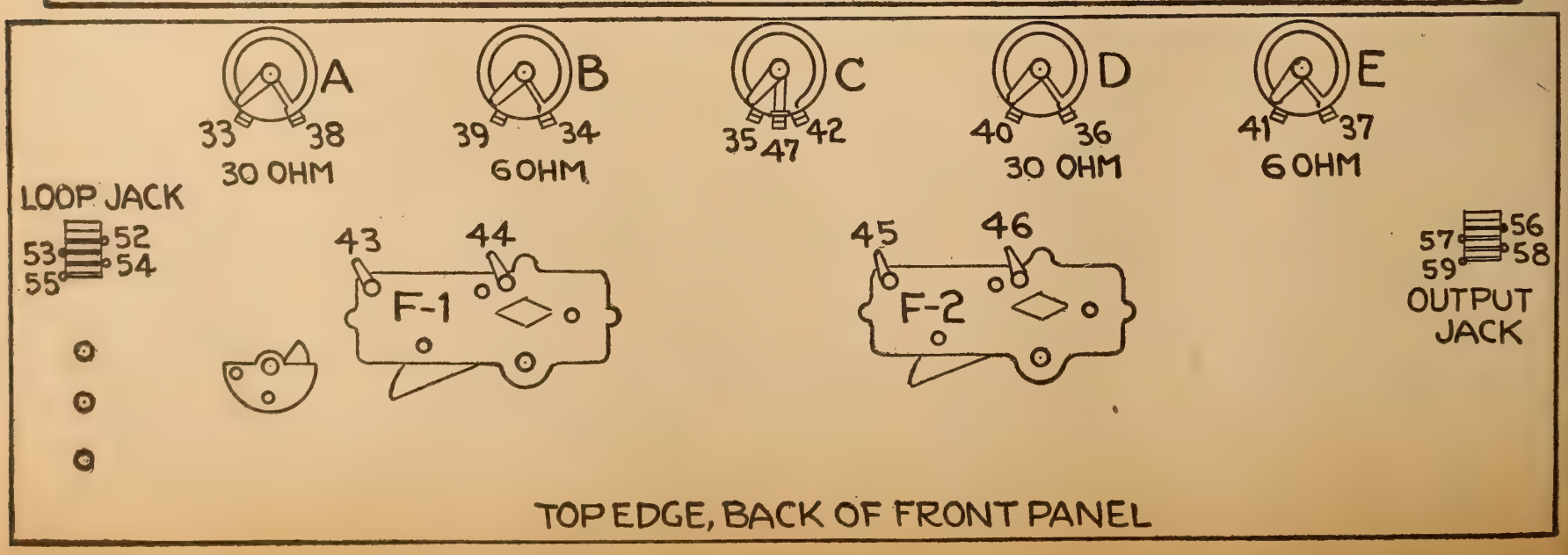
I.—Connect 50 of Victoreen 6 to 20 of socket 4, and terminal 51 of this Victoreen to 44 of the condenser F-1 and on to 55 of Carter loop jack. Connect 43 of the condenser F-1 to 52 of Carter loop jack, and then to one terminal of the Aerovox condenser 59. The other terminal of this condenser connects to 1 of socket 1.

J.—Terminals 60 and 61 of Victo-

(Continued on page 30)







Old Man Static's Funeral

PART IV: Here Is the Famous "Crock" Antenna of B. L. Lowe. Claim Method Reduces Static. Experiment in Horizontal Antennas.

By MILO GURNEY

"ONCE upon a time," as all bedtime and other stories should start, a fellow named David Harum typed the remark that "Fleas were essential to a dog as an ever reminder that he was a dog." The author is going to borrow this soothsaying by remarking that experiments with underground antennas which do not work in your location are an essential proof that you are an experimenter. If each experiment was successful, one would soon tire. The novelty would diminish and Radio would have but little interest to you.

Because any of the types of buried antennas previously described have failed to function, does not in any manner prove that they are not efficient in all localities, but may indicate that they won't function where you live. The whole thought back of the experiments is that of presenting for your information some of the work that has been done, and to create an added interest which would spur many listeners into entering this most fascinating work.

To illustrate, were you B. L. Lowe, R.R. 2, Dickerson Road, Nashville, Tenn., who has "fished" in 37 distant stations upon the underground antenna which

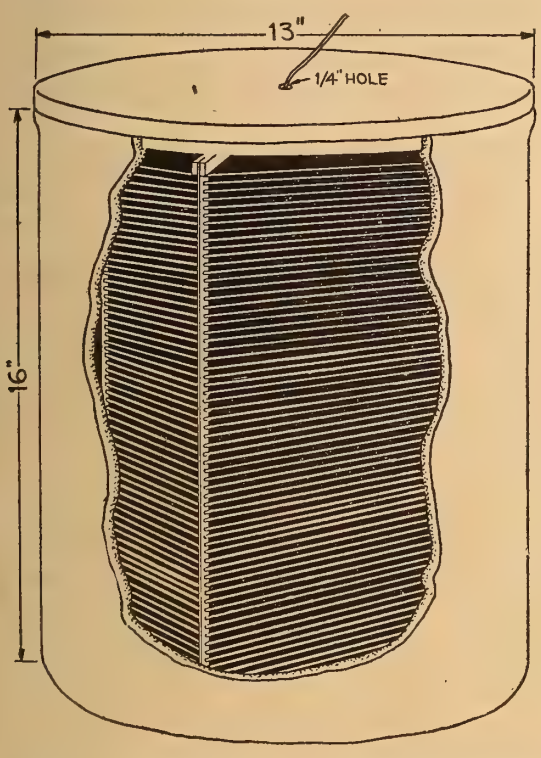


Figure 1. The scheme of B. L. Lowe for a buried antenna, which requires a ten-gallon crock, is illustrated here. Broken view shows interior.

will be now described, it appears you would have called it a perfect day and the experiment a success.

B. L. Lowe's Earthen Crock

Mr. Lowe uses the scheme shown in figure 1 which comprises an ordinary ten-gallon earthen crock obtainable at the grocery or variety store. The novelty of the device arises from the method employed and the manner of construction, while its operation, according to Mr. Lowe's report, is such as to indicate that the device is hard to beat.

Picking out a few of the 37 stations which this gentleman in Nashville has brought in on loud speaker, we find KFOA, WBAP, KFKX, WJZ, KMA, and a host of other stations well distributed over the country. Visualize KFOA as located at Seattle, Wash., WBAP at Fort Worth, Texas, and WJZ on the Atlantic seaboard, and then you will agree that his experiment was a huge success.

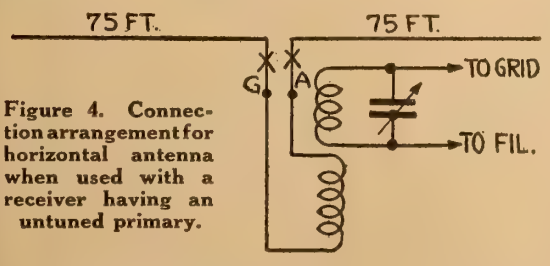


Figure 4. Connection arrangement for horizontal antenna when used with a receiver having an untuned primary.

The earthen container which Mr. Lowe used measures 13 inches inside diameter, with a total height of approximately 16 inches. These measurements one will find about equivalent to a ten-gallon crock. The winding skeleton consists of an oblong framework composed of two cross pieces of hardwood whose length may be 10 to 11 inches, or just small enough to fit loosely into the crock, and four ½-inch strips of No. 10 gauge copper or brass 14 inches long. See figure 2. Each of the strips are drilled for their total length with ¼-inch holes upon ½-inch centers according to Mr. Lowe, but notches similarly spaced instead of holes are recommended by the writer. These strips form the upright section which maintains the wooden cross pieces, and are securely fastened to the respective ends of such pieces. Figure 2 is a detail plan which makes the correct construction of the winding form clear.

Winding Lowe Antenna Form

You will require from 80 to 90 feet of No. 14 solid copper, rubber covered wire for winding the form. The starting end, which is at the bottom, is sealed off by placing it in a small bottle which is afterward filled with paraffin or sealing wax or, if one prefers, this starting end may be covered well with electricians' tape. Each turn of the wire should pass through the spacing holes (or rest in its proper notch, if the strips were notched), in order that the turn-to-turn spacing will be uniform. Reaching the finish or top of winding, a half turn should be taken around the wire in order to fasten it securely. After making this locking turn leave twelve inches to be passed up and through the center of the cover for connection to the lead-in wire to the receiver.

The completed underground antenna is now ready for insertion into the earthen crock. Next, some form of cover must be designed which will fit closely over the jar opening. Mr. Lowe made his cover of concrete, leaving a hole through its center just large enough to allow passage of the end of the wire, after which the hole about the wire and the edges where the cover rests on the crock were then sealed with sealing wax. Those of you who cannot go to this trouble may use a well-paraffined hardwood cover. It is only important that the lid fit securely and water tight so that when covered with dirt it will remain in place.

Connections and Lead-In Laying

Next, dig a hole five feet deep and large enough in diameter to take the crock. Also dig a trench about 18 inches deep from the location of the hole to a point as near as possible to that where the lead-in will be brought up to the receiver. Secure a sufficient length of No. 14 lead-covered, insulated, copper cable and solder one end of the copper wire within this cable to the exposed wire in the center of the jar cover. Be certain that this connection is well soldered, then tape it well. Sealing it with wax is wise. You may now lower the covered jar carefully into the hole and fill about it and on top with moist earth until within a

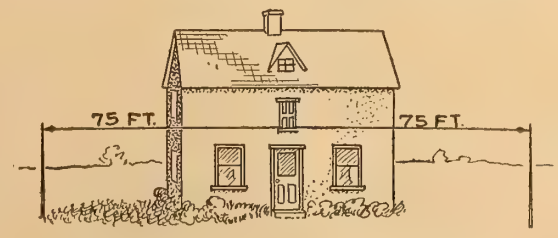


Figure 3. A typical horizontal antenna.

short distance of the top when the earth used should be semidry and well tamped into the opening. Lay the lead-covered cable in the 18-inch trench and cover thoroughly. After leaving the ground as close as possible to the point where it enters the building, fasten this cable with cleats to the side of the building, pass through the building wall, and connect the free end of the copper wire inside to the antenna post of your receiver. The ground wire which you have been using previously will remain connected to the ground post. That is all. Now tune in coast to coast when a "bad night" won't permit you to do so on an ordinary aerial.

Horizontal Aerials

A further experiment which carries much of interest and which will particularly appeal to those who dislike digging holes in Mother Earth is found in the horizontal type aerial. This idea has been the subject of considerable discussion and favorable comment of late. To date most of the reception using this system has been on short waves, and the writer is indebted to QST, the official organ of the American Radio Relay league, for the data published.

This subject no doubt will interest a major portion of the fans who are interested in possible improvements in antennas. Bear in mind that the following experiment offered is purely an experiment. Suffice to say that reports show that a horizontal antenna performs very well upon wave lengths from 100 meters down. What it can do over the broadcast band, while less explored, is of equal interest now that there seems to be some merit in the split wave theory recently reported by a prominent company.

The general idea of the horizontal aerial about to be described is that it should be on an approximate level with the receiver. In other words, if your receiver is located upon the second floor of your home, then the aerial should be at a height close to that of the receiver, as shown in figure 3. No ground connection to the receiver is used. One-half of the aerial passes in and connects to the antenna post while the ground post is attached to the remaining half. This arrangement in effect couples the receiver to the antenna at its center.

Figure 4 shows the connection arrangement as it would appear within the receiver when using an untuned primary input, while figure 5 shows the same arrangement when the antenna is connected directly to a tuned secondary input.

For experimetal purposes it is suggested that each half of this aerial be 75 feet long, or a total length of

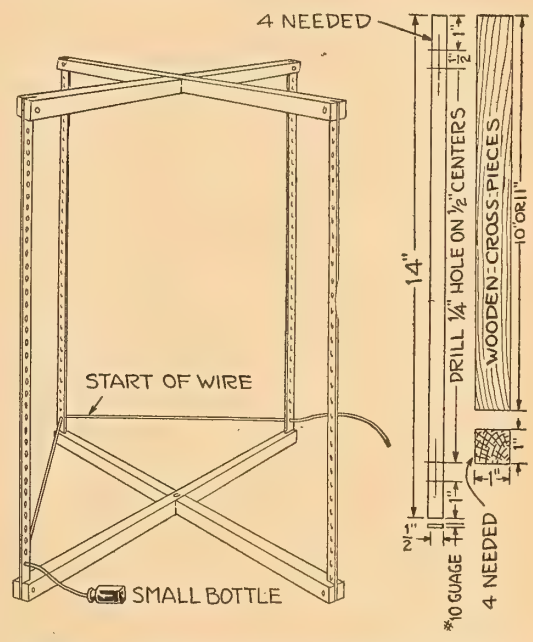


Figure 2. Details of the construction of the interior framework and winding form.

150 feet not counting the lead-in loop which length is neglible and should be as short as possible. As a receiver tunes either broad or sharp according to the length of aerial used, and signal strength is also determined in the same manner, the author has specified the extreme lengths which will be required. This is done because it is much easier to shorten each half if required, than to add to the lengths given.

Points marked x in each of the figures indicate the locations of fixed condensers which may be inserted in case it is necessary to reduce the effective wave length of each half of the aerial. Such condensers may be .0001 or .00025 mfd., it not being likely that larger capacities will be required. Points A and G upon each drawing indicate the attachment of aerial leads to the ground and antenna posts of the receiver. Standard single or stranded aerial wire may be used. The lead-in should be well insulated where it passes through the window to the receiver. As previously stated, this form of antenna has no ground connection and it is therefore quite evident that some relief from excessive static should be experienced. However, results alone will tell.

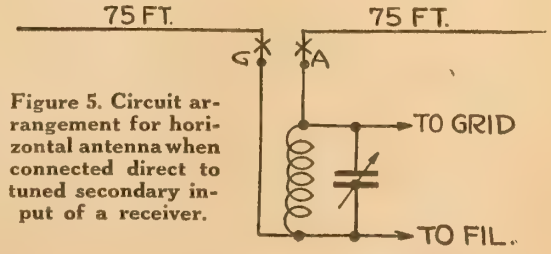


Figure 5. Circuit arrangement for horizontal antenna when connected direct to tuned secondary input of a receiver.

The response to my appeal for experimenters has been very pleasing, and among those responding are many listeners mentally equipped to do their own thinking so far as Radio is concerned. It is from the reports of these willing workers that I anticipate everyone of us will profit materially. As the possibility of reducing static through so-called static eliminators appears considerably distant, one's only recourse toward relief must of necessity concern the collector medium.

We need not be surprised to hear that the silent

(Continued on page 30)

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Two Cents for a Program

TWO cents is all that a good program, costing the station perhaps several thousands of dollars, may cost the appreciative broadcast listener, yet it seems that the great majority of fans are unwilling to spend even this meager amount. We mean to say that listeners are lax about writing stations and telling them what pleased them, what displeased, and why certain things reacted on them in either fashion. The investment of two cents in a postage stamp is all that is necessary, yet perhaps ninety-nine out of a hundred people won't make that investment.

H. A. Bellows, director of WCCO, writing for the Gold Medal station's news bulletin, states the situation clearly. We take the liberty of reproducing herewith what he has to say:

"Don't put off writing until tomorrow, or next week, or next year; don't think that because you sent a postcard to Station WXYZ six months ago, you have done your full duty by Stations WPDQ, WIOU and all the other letters of the alphabet. Make it a rule to send a word of commendation everytime you hear a good program.

"The stamps, the paper, the ink and the labor represent a sound investment, for they mean more good and better programs in the future. And if you can't get programs of the kind you like, don't blame the broadcaster unless you are perfectly sure that you have done your share by helping him with your suggestions. A two cent stamp today may mean a thousand dollar concert later."

In our opinion the reasoning of Mr. Bellows is very sound. The correspondence received by a broadcasting station is the barometer and yardstick by which the programs are measured and planned for the future. If your letter, your vote, isn't there to help in the planning, by what right can you criticize the programs of the station which displease you?

And don't forget that a cowardly, anonymous letter is usually given just the consideration which the lack of signature and address deserves—it is thrown away, forgotten, because it carries no weight of conviction.

So We Bought a Portable Set

IN SOME ways we prefer the broadcast programs of the summer over those of the winter. Many of our friends attempt to convince us that the summer programs are not worth while; that they do not compare with the broadcasts of the cooler months; that the stations "let up" considerably in the months of sunshine.

Looking over the programs or tuning in, we cannot say that this discouragement by our crepe-hanging friends is justified. The summer programs have all to offer that the winter had and more. Actually more and, we believe, better liked features are announced by the stations.

For instance there are the hundreds upon hundreds of important sport events which are carried by microphones all over the country. We have but few of these in the winter. Then again the weather, road conditions and touring services are more necessary and deeply appreciated by ourselves during the summer.

We also have always liked bands. Summer is band season. Of course, some people may not like to hear a good band, but we can sit by the hour on the veranda and listen to the careful broadcasting of a well-conducted band. And only in the summer months are band concerts featured extensively by the majority of stations.

We have made it a point to inquire of all stations what parts of their schedules would be discontinued for the summer. After listening to some of the "crepe-hangers," we had become convinced that perhaps there was some truth in their statements. But when an overwhelming majority of the broadcasters replied to our inquiry that instead of discontinuing features, all the winter and added summer programs would be given, and nearly all remaining stations answered that nothing would be discontinued, we turned about face and decided that the myth of inferior summer programs was, to revert to American venacular, "all wet."

RADIO INDI-GEST

Railroad Radio

If your set is in the country
Near a railroad track,
You will hear some telegraphing
With a click, clack, clack.

And if a railroad motor car
Should come very near,
Its spark discharge will sound like guns
Shooting in your ear.

Then when a train goes roaring by
You will hear some squeals,
Caused by the great vibration of
The iron rails and wheels

But when 'tis still and silent like
You note with a smile,
Your reception beats the city sets
By many a mile. GEORGE

Intermission Idiosyncrasies

A.C.S. Announcing

"Some fellow in Sheldonville, Ohio, who signs his name Vinegar, writes in stating that in his opinion, our last week's Tuesday concert was decidedly on the Fritz. In our opinion this gink is in about the same predicament as the elephant that tried to hide behind a raspberry bush. As they say at a bargain sale, jump over or walk around but don't block the aisles. Tomorrow we are going to hit the trail for Sheldonville and if we can locate this guy, we'll find out what he means by using a hammer on our carefully arranged programs." ARTHUR C. STOWELL

Old Rep. Cole Chases the "Blues"

Representative Cyrenus Cole (Ia.) before the house committee considering the ban placed by England on the importation of American Jazz artists, not only favored England's attitude but added, "Jazz music is a very sore affliction upon America."—News item.

Old Rep. Cole was a dreary old soul,
A dreary old soul was he,
He called for his resin and he called for
his bow,
And he called for his fiddlers three.

"We gotta razz this darned old jazz,
This darned old jazz," quoth he,
"Has started to grow and is liable to go
To the countries over the sea.

"It's gotta stop or the world will flop,
The whole world will flop," says he,
"So fiddle it down and fiddle it low—
Save the world for posterity."

THE NIGHT HERD

Then Prospero Was Its Daddy?

Dear Indi: When I was sailing back from your side last week a Tempest broke out, and when it was at its height the Radio operator on the ship received a message that his wife had given birth to a baby. They are going to call it Ariel. LONDON BOBBY

Back to the Tomb

Dear Indi: In one of the recent issues you want to know where I bin, and lowed has how you hadent heerd from mee for 3 thousand years. Wall I admits that it has been quite a spell, cause I bin dead for 3 thousand years, and

I bin dead three thousand years
And just came back to life
To take a part in this old world
Of work and fight and strife.
But there's been a lot of changes,
Since they locked me in my tomb,
For instance, there's the crystal set,
It's surely met its doom.
And also the triple circuit
That's made to regenerate,
It's like the reflex circuits,
'Twill soon be out of date.
In place of these what do we have?
We have the super-het
And super this and super that,
That raises He—ll you bet
With all the sets of nearby fans
And makes them buck and rear,
Which makes us ask in accents wild
Where do we go from here?

OLD KING TUTT
(Not of WSB)

This Makes You "Red"

Dear Indi: For many months I have enjoyed your column and now I would like to nominate, as a member of the Famous Fan's Club, "Red" Grange, for it was through the grid that he made both fame and fortune.

I also might mention "Babe" Ruth for he makes trouble for a lot of "batteries" nowadays. If you can find room for these you will find me tickled pink.

RAY D. O'PHANN

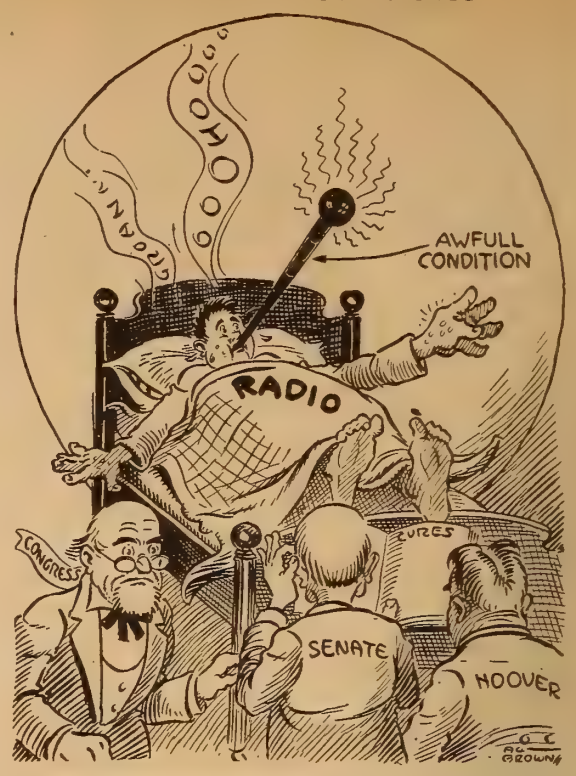
Which also reminds us—no this isn't a joke you've heard long ago—that the Famous Fans' Club membership list is growing quite large. Y'see all the star Florida realtors, coming northward to sell wide-awake, live-wire property such as cemetery lots, have joined in a group, claiming membership because they have a large quantity of grounds, well-watered.

FRANQUE'S FILOSOFEE

He who tunes, so shall he receive.

INDI

Let's Hold a Conference



Condensed

BY DIELECTRIC

Glee clubs composed of women are heard far less frequently than men clubs, although the latter are not flooding Radio programs by any means; in fact, it would not be disappointing to many listeners in should this feature be listed by more stations. However, we are reviewing now a very pleasing concert given by the Russell Sage College Women's Glee club, presented through broadcasting Station WHAZ, Troy, N. Y. Possibly these ladies' voices would not be classified as exceptional, but their singing of the various numbers making up a select program was certainly spirited. One selection, "Swing Along," was admirably rendered.

During the period devoted by Station WTAM, Cleveland, to what they term as "studio recitals," you may be assured of features bearing some marks of merit. The orchestra selections are nearly always well played and offer a variety, catering to differing tastes in music. Appearing as soloist recently was a tenor of robust voice, whose singing of popular numbers called one's attention to a manner in which these may be rendered without the eternal habit of sliding —more or less insecurely—from one note to the next. His vocalizing was a marked feature.

It isn't necessary to dwell on the beauty of Irish timbre displayed every time Allen McQuhae chooses to sing, for most Radio audiences are quite familiar with that quality; nor do his auditors have to be reminded of the expression put into his work. That Mr. Kent selected this popular tenor to "carry on" shows the discretion of a Radio public benefactor. Even when Mr. McQuhae sings airs lacking that typical lilt of the music of Erin, there is no charm lost for he is as much at home with compositions originating in other lands as with those of his native heath.

There can be no mistake that this summer static will have to be very powerful to drown out a Florida station that intends to keep the state before the minds of next winter's sojourners. Station WGBU, at Fulford, has the far-floating ethereal message in the guise of their slogan, "tropical America," and of softly rhythmic dance melodies. Frankly, the soloists this time of year are not so engaging as have been heard during the rush season.

Our old friend in Atlanta, Ga., Station WSB, finds listeners in distant states just as pleased to hear his programs and drawling announcements as when the thermometer registered much lower than at present. We listened to a singer whose nerves were master at the time, or diaphragmatic lassitude caused the weak tones to barely register. Her singing of Irving Berlin's hit, "Remember," otherwise had much to commend it, but it is to be hoped later appearances will show improvement.

A concert given under the auspices of the Minneapolis university was well conceived and executed to the enjoyment of all fortunate enough to tune in Station WCCO. Evidently it was the purpose of the sponsors to leave a good impression with all Radio listeners on the eve of baccalaureate celebrations, at any rate, that was the effect.

There is nothing to say particularly of dance programs, unless they are abominable or remarkable, so the comment on WSAI, Cincinnati, will be confined to merely mentioning the fact that that station was heard by your reviewer broadcasting a dance feature of usual interest.

RADIO POPULAR AND FATTENS ON STRIKE

BRITISH LABOR TROUBLES AID SALE OF RECEIVERS

Broadcast Bulletins Appreciated by Strike Supporters and Public—Station Staffs Deserve Credit

By Jack Broadcaster

LONDON, England.—Radio broadcasting proved itself of immense value in the recent British general strike crisis, being largely instrumental in preventing the outbreak of serious disorders and panic.

Even strike supporters found the broadcasting service valuable in giving the official announcements of the trade unions and general news of strike progress.

Broadcasting kept the country cool and well in touch with the situation when the newspapers were perforce silent, and the country owes much to the devotion of the staffs at the various stations. Emergency staffs stood by day and night, and in many cases slept upon the premises.

In the London Station

On one of the momentous days I was able to spend a short time at the London station from whence all the news was broadcast.

News was being received from all over the country—by telephone, telegram and tape machine, while special messengers brought in the official announcements from the trade unions and the government. Communications were being made by the railway companies, various governmental departments, and in some cases by the individual trade unions.

All this information was compiled into one gigantic bulletin and then sifted to its final form which millions heard every day.

Of course, the various stations were guarded lest the irresponsible element should attempt any attack, and most of the officials got what little sleep they could there or at nearby hotels. I saw a group of officials enjoying their first meal of the day in the Savoy Grill at nine o'clock one evening.

How Artists Fared

A word must be said for the broadcasting artists all over the country for the way in which they managed to keep their appointments with their thousands of listeners, and also for the way in which they held themselves ready in case a breach should occur if someone should be unable to arrive.

Though the strike affected most industries adversely, there was a tremendous boom in Radio during the first two or three days. There was a very quick sale for head sets and also for crystal receivers.

New batteries were in great demand, and many people who had apparently been contemplating the installation of a loud speaker set decided that this particular occasion warranted its immediate purchase, so that the whole family could listen to the latest bulletins.

The Radio industry was fortunate in being the one bright spot in a very dark firmament.

CUP RACE GROWS WARM

(Continued from page 2)

As a reward for saving consecutively numbered ballots and casting them at one time for the same candidate, a bonus vote, with size depending on the number in consecutive order, is credited to that candidate.

Each of these ballots will count for one vote when sent in separately. You can hold these ballots until you have four that are consecutively numbered and when they are sent in, a bonus of eight votes or total of twelve will be granted.

The larger number of consecutive ballots submitted, the greater is the bonus allowed. Eight consecutive ballots receive a bonus of twenty votes. Twelve consecutive ballots receive a bonus of thirty votes, or a total of forty-two votes. For a complete series of ballots, including one from each issue from March 27 to September 1, a bonus of fifty votes will be allowed.

WAIU Soon to Be Highest Station in United States

COLUMBUS, Ohio.—The highest broadcasting station in America will be dedicated here shortly when the American Insurance Union station, WAIU, is moved into the insurance company's new building soon to be completed. The building will be 555.5 feet high, taller than Washington Monument or the tallest skyscraper outside of New York city.

WAIU will occupy a special story 500 feet above the ground.

A theater seating 3,100 persons and a hotel with 1,000 rooms will occupy space in the new American Insurance Union citadel.

QUEER MULTIPLE TUBE DOES MUCH

WHEN David L. Loewe of Berlin, brother of the famous German scientist, Dr. Sigmund Loewe, arrived in the United States not long ago, he brought with him samples of a multiple receiving tube which does the work of three or more tubes. One type of Dr. Loewe's multiple tube does the work of two stages of radio frequency amplification and a detector, another type acts as a detector and two stages of resistance coupled audio amplification, and still a third type functions as one stage of radio frequency amplification, a detector, and one stage of power audio frequency amplification. Left picture shows closeup view of the tube and its base. Top picture shows the multiple tube in place in special German receiver.

10 COWS PLUS RADIO SET GIVE MORE MILK

FROST, Minn.—"Radio music increases milk production of a dairy herd approximately twenty per cent," says T. H. Gullord who installed a set in the barn of Oscar Mundale of Rome Township, Minn. A thirty day test indicated that Radio music in Mundale's dairy barn increased the creamery check from ten cows $28.70 a month. The New York programs through WCCO brought the most generous milk flow, while WHO, Des Moines, and WOAW, Omaha, programs were tied for second.

Checker Fans Tune in Match Miked by CKY

Manitoba Station Describes Play of "Jump" Champions

WINNIPEG, Man.—Taking out draughts boards and following the moves of the two players as numbers of squares were announced, thousands of people in Winnipeg and beyond recently participated, practically speaking, in the first Radio game of checkers ever played in Canada.

The match actually was between R. Thomson, editor of the Free Press checker column, playing in the Lisgar hotel, Selkirk, twenty-five miles from the city, and G. H. Collins, at CKY, the Manitoba station in Winnipeg. Mr. Collins, playing "white," was the winner. Listeners had no trouble in following the game.

Mr. Thomson played beside a loud speaker and a microphone, and the numbers of his "shifts" were announced by Ed. Dusang, while the moves made by Mr. Collins were announced by D. R. P. Coats.

SHORT WAVES

By Marcella

(Continued from page 2)

KWCR, Cedar Rapids, Iowa. No, he is not married, Elizabeth Ann, and all the other nice things you have said about him are quite correct. He lives with his married (and equally popular) partner, Ray Basch. You may invite Neal to parties by addressing the invitations care of Ray Basch, Marion, Iowa.

* *

Some news for Chicagoans and other members of the WMBB, Trianon, audience: Clyde Hager and Lindsey McPhail, both formerly at WMBB, are now entertaining the listeners of KFQZ, Hollywood, Calif. The wave length is 226 meters, if you want to hear them again. Mr. Hager is announcer and studio director of the new station.

* *

Matrimonial note: "The Singing Cowboy" or Carl T. Sprague and "The Bluebonnet Girl" or Laura Bess Mayo, often heard in the past from WTAW, A. & M. college, WFAA, the Dallas News and Journal, and KPRC, the Houston Post-Dispatch, have hitched in double harness this spring. Mr. and Mrs. Sprague plan a tour of eastern stations during the summer months.

* *

"Is Bill Eastwood always at WSMB and is he really as happy as he looks?" Not knowing, we typed a note to C. R. Randall, WSMB's chief, and this is what he had to say:

"The picture which appeared in Radio Digest recorded one of the few instances when Bill ever smiled. He rarely ever has anything to say, probably due to the fact that he is married and used to keeping quiet. The razzing which I administer to him frequently over the air has done much to loosen him up, but he still doesn't do any laughing—only gives an occasional smile. As for his likes and dislikes, I am afraid they are a bit too personal for yours truly to comment on, and regarding the answer to your specific question, 'Is he really as happy as he looks?', will answer that looks are very deceiving and that he would probably make a very good teammate with that popular ballad, 'The Lonesomest Girl in Town.' Yes, he is always at WSMB. He is a tall, good-looking fellow, loves his banjo and tries out a new one every week."

* *

Miss Alta, here are Floyd and Bernard Ruby's measurements. Bernard, 5 feet 11 inches tall, brown eyes, 155 pounds, 22 years of age. Floyd, 5 feet 9 inches tall, blue eyes, brown hair, 160 pounds, 20 years old. Both of the young KMA stars are good fellows, hard workers, mixers, have lots of pep, play popular and old-time music. Home is Weeping Water, Nebr. Live on a farm. Floyd plays the trumpet and fiddle; Bernard plays the saxophone and banjo. And, to be sure, both are UNmarried.

* *

Hah, the "secret" of Jack Smith is out. Those of you phonograph record purchasers who have records of Jack Smith, the "Whispering Baritone," and have wondered whether or not he and our beloved Jack Little are one and the same, are to be answered. They are two distinct stars, a statement which is proven beyond a doubt by the fact that Jack Smith is now in London, England, broadcasting over the British stations and appearing at the New Princess restaurant. Jack Little now being in America, there can be no doubt as to whether "Little Jack" is Jack Smith or vice versa.

* *

What deep secret would you like to know about your favorite broadcast star? Drop me a note, girls and boys, and I'll do my best to answer here. MARCELLA.

SPECIAL BUS TAKES KFAB TO KFNF

When KFAB, Nebraska Buick station at Lincoln Nebr., and KFNF, Henry Field station at Shenandoah, Ia., arranged recently to exchange their entire staffs for an evening's broadcast, the above special bus was chartered by Gayle V. Grubb and Harry Sidles of KFAB to transport that broadcaster's entertainers to Shenandoah. Standing at the right and rear of the bus are the two announcers, Mr. Grubb, in the dark suit, sometimes known as "Gloomy Gus", and Mr. Sidles.

KFSG'S CHIEF LOSES LIFE IN OCEAN SWIM

AIMEE McPHERSON DISAPPEARS; BODY NOT FOUND

Thousands of Radioland Followers Miss Cherished Personality—Her Work Organized to Go On

LOS ANGELES.—Radioland's loving Sister, Aimee Semple McPherson is no longer at the microphone of KFSG. On Tuesday, May 18, radiantly happy and perfect in health, she went for a few hours rest at the side of the sea which she loved; there to play, swim and in the intervals, prepare her messages for the coming services.

With her was her secretary and her Bible. After a quiet season of study and making preparatory notes for her sermon she enjoyed a brief swim in the water, later coming out and directing her secretary to phone her mother regarding a musical program that evening.

She then went into the water. The secretary returned after phoning, spoke to her and after being greeted by Sister sat down to read. She saw her playing in the water and dashing through the waves. After some moments the secretary missed her and after a vain search of the sea and inquiries gave the alarm that Mrs. McPherson could not be found.

KFSG Built by Followers

To the moment of writing her body has not been located. Every effort has been made by government, police and her own beloved people.

Station KFSG was given to Mrs. McPherson by her countless friends that her messages might go out to the world. She had come to be a well-known figure in Radio. At first those unaccustomed to such services wondered, but as her messages and services went on, providing the best in music, song and sermon, every day added to the popularity of KFSG.

The work is organized in every department and detail. It is hard for the temple workers and members to even realize that the founder will not walk in the door, smile her way down the aisle, bow in prayer and say:

"Good evening Radioland. This is KFSG, Angelus Temple, Church of the Foursquare Gospel."

WEEI Tells Listeners of Best Distant Broadcasters

BOSTON.—New England listeners who care to roam the ether and pick up the best DX broadcasters may now tune WEEI, the Edison Electric Illuminating company here, immediately following their last feature program nightly except Sunday at about 11 o'clock, and learn what stations are coming in the best. P. W. Harrison, sponsored by the Peerless Motor company, is engaged in the task of expert, trial listening, and making the reports.

AN EVENING AT HOME WITH THE LISTENER IN
IN EASTERN (OR CENTRAL DAYLIGHT) TIME

Call	Location	Met.	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday
AT9	Fort Bragg, N. C.	435	Silent	6:00- 7:00	Silent	Silent	Silent	8:00- 9:55	Silent
CFCA	Toronto, Ont.	356.9	Silent	7:00- 9:00	6:45- 7:45	Silent	7:00-12:00	Silent	Silent
CFCN	Calgary, Alta.	434.5	12:00- 2:00	Silent	Silent	Silent	Silent	10:00-11:00	Silent
CJCA	Edmonton, Alta.	516.9	11:00- 1:00	9:30-10:30	9:30-11:30	9:30-10:00	8:00-10:00	11:00- 1:00	10:00- 1:00
CKAC	Montreal, Que.	410.7	6:15-10:30	1:45- 2:45	Silent	6:15-10:30	Silent	7:30- 8:30	Silent
CKCL	Toronto, Ont.	356.9	6:00- 7:00	2:00- 3:55	Silent	6:00-10:50	Silent	6:00- 7:00	Silent
CKNC	Toronto, Ont.	356.9	7:00- 9:00	Silent	7:00-10:00	Silent	Silent	Silent	Silent
CKY	Winnipeg, Man.	384.4	9:00-12:00	8:00-11:00	9:00- 1:00	Silent	8:30-12:00	9:30-12:00	Silent
CNRO	Ottawa, Ont.	434.5	7:30-12:30	Silent	Silent	Silent	7:30-12:30	Silent	Silent
CYL	Mexico City, Mex	480	Silent	10:24-11:54	Silent	10:24-11:54	Silent	Silent	10:24-11:54
CZE	Mexico City, Mex.	350	9:24-10:24	Silent	9:24-10:24	9:24-10:24	9:24-10:24	9:24-10:24	9·24-10:24
KDKA	Pittsburgh, Pa.	309.1	6:30- 9:55	4:00- 8:45	6:30- 9:55	6:30-12:35	6:30- 9:55	6:30-12:00	6:30-11:05
KFAB	Lincoln, Nebr.	340.7	6:30-11:30	5:00-12:00	6:30-11:30	6:30-11:30	6:30-11:30	Silent	6:30-11:30
KFDM	Beaumont, Texas	315.6	Silent	9:00-10:00	Silent	9:00-11:00	Silent	Silent	9:00-11:00
KFH	Wichita, Kan.	268	8:00- 9:00	8:15- 9:15	8:00- 9:00	8:00- 9:00	8:00- 9:00	8:00- 9:00	8:00- 9:00
KFI	Los Angeles, Calif.	467	9:00- 6:00	7:00- 2:00	9:00- 2:00	9:00- 2:00	9:00- 2:00	9:00- 2:00	9:00- 2:00
KFJF	Okla. City, Okla.	260.7	7:00- 2:30	5:30-12:45	7:00-11:45	7:00-11:45	7:00-11:45	7:00-11:45	7:00-11:45
KFKX	Hastings, Nebr.	288.3	6:30- 7:30	Silent	6:30-12:00	6:30- 9:00	6:30-12:00	6:30- 9:00	6:30-12:00
KFNF	Shenandoah, Ia.	263	8:00- 1:00	3:30- 9:30	8:00-10:00	8:00-10:00	8:00-10:00	8:00-10:00	8:00-10:00
KFOA	Seattle, Wash.	454.3	12:30- 2:00	Silent	10:00- 1:00	9:00- 2:00	10:00- 1:00	Silent	9:00- 2:00
KFON	Long Beach, Calif.	232.4	9:30- 3:00	9:30- 1:00	9:30- 3:00	9:30- 2:00	9:30- 2:00	9:30- 3:00	9:30- 3:00
KFQB	Fort Worth, Tex.	508.2	9:30-10:30	4:00- 9:30	9:30-10:30	9:30-10:30	Silent	9:30-10:30	9:30-10:30
KFUO	St. Louis, Mo.	545.1	8:45- 9:45	10:15-11:15	9:00-10:00	7:30- 8:30	10:15-11:15	Silent	10:30-11:30
KFVE	Univ'ty City, Mo.	240	10:15-11:15	Silent	10:15-11:15	10:15-11:15	10:15-11:15	Silent	10:15-11:15
KFWA	Ogden, Utah	260.7	11:00- 1:00	Silent	11:00- 1:00	Silent	11:00- 1:00	Silent	11:00- 1:00
KFWB	Hollywood, Calif.	252	9:30- 2:00	12:00- 2:00	9:30- 2:00	9:30- 2:00	9:30- 2:00	9:30- 2:00	9:30- 2:00
KFWI	San Francis., Calif.	226	Silent	11:00- 3:00	11:00- 3:00	Silent	11:00- 4:00	1:00- 3:00	11:00- 4:00
KFXF	Colorado Springs.	250	11:00- 1:00	Silent	10:30-12:30	10:30-12:30	Silent	11:00- 1:00	11:00- 1:00
KGO	Oakland, Calif.	361.2	11:10- 3:00	6:30-11:30	9:00- 1:00	9:00- 1:00	9:00- 9:55	11:00- 3:30	9:00- 9:55
KGW	Portland, Ore.	491.5	9:00- 3:00	10:30- 1:00	9:00- 3:00	9:00- 3:00	9:00- 2:00	9:00- 3:00	9:00- 3:00
KHJ	Los Angeles, Cal.	405.2	10:30- 1:00	7:00- 1:00	Silent	10:45- 1:00	11:00- 1:30	11:00- 1:00	11:00- 1:00
KIAF	Sihtipok, Minn.	421	Silent	3:00- 4:00	8:00- 9:00	Silent	8:00- 9:00	Silent	8:00- 9:00
KJR	Seattle, Wash.	384.4	11:30- 1:00	8:00- 1:30	10:00- 1:00	10:00- 1:00	10:00- 1:00	10:00- 3:00	10:00- 1:00
KLDS	Independence, Mo.	440.9	9:00-10:00	7:30-11:00	Silent	9:00-12:59	Silent	9:00-10:00	Silent
KLX	Oakland, Calif.	508.2	10:00-10:30	Silent	9:30- 1:30	10:00-10:30	9:30- 1:30	10:00-10:30	9:30- 1:30
KMA	Shenandoah, Iowa.	252	7:00-12:00	5:00- 7:00	7:00-12:00	7:00-12:00	7:00-12:00	7:00-12:00	7:00-12:00
KMMJ	Clay Center, Neb.	229	9:00-10:00	9:45-10:45	9:00-10:00	9:00-10:00	Silent	9:00-10:00	9:00-10:00
KMOX	St. Louis, Mo.	280.2	7:00-12:00	10:00-11:00	7:00-12:00	7:30- 1:00	7:30- 1:00	Silent	7:30- 1:00
KNX	Hollywood, Calif.	336.9	9:00- 5:00	9:30- 1:30	9:30- 3:00	9:30- 3:00	9:30- 3:00	9:30- 3:00	9:30- 3:00
KOA	Denver, Colo.	322.4	11:00- 1:00	8:30-10:45	8:30-12:15	8:30- 9:30	8:30- 2:00	8:30- 9:30	8:30-11:00
KOB	StateCollege, N.M	348.6	Silent	Silent	9:30-10:30	Silent	Silent	Silent	9:30-10:30
KOIL	Council Bluffs, Ia.	278	8:00- 4:00	8:00- 1:00	7:00- 1:00	7:00- 1:00	7:00- 8:15	7:00- 1:00	7:00- 1:00
KPO	San Francisco, Cal.	428.3	9:30- 3:00	9:00- 1:00	9:00- 2:00	9:30- 2:00	9:30- 2:00	9:30- 2:00	9:30- 3:00
KPRC	Houston, Texas	296.9	8:30-12:00	8:00- 1:00	7:30-11:30	8:30-11:00	7:30- 1:00	8:00-11:00	Silent
KPSN	Pasadena, Cal.	315.6	11:00- 1:00	11:45-12:45	Silent	11:00-12:00	Silent	11:00-12:00	Silent
KSD	St. Louis, Mo.	545.1	8:00-11:00	6:15- 9:15	9:00-12:00	7:00-10:30	7:00- 9:00	8:00-10:00	8:00-10:00
KSL	Salt Lake City, U.	299.8	10:00- 1:00	9:30-12:00	9:00- 1:00	9:00-12:30	9:30- 1:00	9:30- 1:00	9:30-12:00
KSO	Clarinda, Ia.	241.8	Silent	Silent	8:00- 9:00	8:00-10:00	8:00- 9:30	8:00-10:00	8:00- 9:30
KTAB	Oakland, Calif.	240	Silent	10:45-12:15	11:00- 1:00	11:00- 1:00	11:00- 1:00	12:00- 3:00	11:00- 1:00
KTBI	Los Angeles, Cal.	293.9	Silent	10:15-12:30	Silent	11:00-12:00	Silent	11:00-12:00	Silent
KTCL	Seattle, Wash.	305.9	Silent	12:10- 9:10	10:00-11:00	11:00-12:00	Silent	Silent	10:00- 3:00
KTHS	Hot Springs, Ark.	374.8	10:10-11:00	10:00-11:00	10:10-11:45	10:10-11:30	10:10-11:30	10:10-11:20	10:10-11:30
KTW	Seattle, Wash.	455	9:30-10:30	Silent	Silent	9:30-10:30	Silent	9:30-10:30	Silent
KWKH	Shreveport, La.	329.5	10:00- 1:00	8:00-12:00	10:00-12:30	10:00- 1:00	Silent	9:00-10:30	Silent
KWSC	Pullman, Wash.	348.6	Silent	Silent	10:30-12:00	Silent	10:30-12:00	Silent	10:30-12:00
KWWG	Brownsville, Tex.	278	7:00- 8:00	Silent	9:30-10:30	7:00- 8:00	7:00- 8:00	7:00- 8:00	7:00- 8:00
KYW	Chicago, Ill.	535.4	6:30-12:00	4:30-11:00	Silent	6:30-11:30	6:30-12:00	6:30-11:30	6:30-12:00
NAA	Radio, Va.	434.5	Silent	Silent	7:45- 8:00	7:45- 8:00	7:25- 8:40	7:45- 8:00	7:45- 8:00
PWX	Havana, Cuba	400	8:30-11:00	8:00-10:15	8:30-11:00	8:30-11:30	8:00-10:15	Silent	Silent
WADC	Akron, Ohio	258	6:30- 7:30	6:30- 7:30	6:30- 2:00	6:30-11:30	6:30- 7:30	6:30-10:00	6:30-11:00
WAHG	Richmond, N. Y.	315.6	11:00- 1:00	Silent	6:30- 1:00	Silent	6:30-11:00	Silent	7:00-10:00
WAIU	Columbus, Ohio	293.9	9:15-11:00	3:00- 4:00	6:00-11:30	6:00-12:00	6:00- 7:00	6:00- 7:00	6:00-12:00
WAMD	Minneapolis, Minn.	244	7:15-11:30	8:00-11:00	8:00- 1:00	Silent	8:00- 1:00	7:15- 1:00	7:15- 1:00
WBAL	Baltimore, Md.	246	Silent	7:30- 8:30	6:30-11:00	6:30-11:00	Silent	6:30-11:00	6:30-11:00
WBAP	Fort Worth, Tex.	475.9	8:30-12:00	6:00-12:00	8:30- 1:00	8:30-12:00	Silent	8:30- 1:00	8:30- 1:00
WBAR	Sisiht, Wis.	406	Silent	11:00-12:00	10:00-11:00	Silent	9:00-10:00	8:30- 9:30	Silent
WBBM	Chicago, Ill.	226	8:00- 2:00	4:00- 2:00	6:00- 7:00	8:00-12:00	8:00- 2:00	8:00-12:00	8:00-11:00
WBBR	Staten Island, N.Y.	272.6	7:00- 9:00	8:00- 9:15	7:00- 8:00	Silent	Silent	7:00- 8:00	Silent
WBCN	Chicago, Ill.	266	9:00- 1:00	5:00-12:00	Silent	9:00- 1:00	8:00-12:00	9:00- 2:00	9:00- 1:00
WBZ	Springfield, Mass.	333.1	6:15- 9:00	5:00- 8:00	6:00-10:00	6:15-10:00	6:00-10:00	6:00-10:00	6:00-10:00
WCAE	Pittsburgh, Pa.	461.3	5:30- 8:30	4:00- 9:15	7:00-11:05	7:00-10:05	7:00-10:00	7:00-11:00	7:00-11:00
WCAP	Washington, D. C.	468.5	Silent	4:00- 8:45	6:30-10:00	Silent	6:30-10:00	Silent	6:30-12:00
WCAU	Philadelphia Pa.	278	Silent	4:00-10:00	6:30-10:00	5:30-10:30	6:30-11:00	5:30-11:30	5:45-10:30
WCBD	Zion, Ill.	344.6	Silent	8:00-10:30	Silent	8:00-10:30	Silent	8:00-10:30	Silent
WCCO	Minn-St. P., Minn	416.4	7:15-12:05	5:10-11:35	7:15-11:00	7:00-11:30	7:00- 1:30	7:15-12:05	7:15-12:05
WCOA	Pensacola, Fla.	222	12:00- 1:00	Silent	7:30- 8:30	Silent	7:30- 8:30	Silent	7:30- 8:30
WCX	Detroit, Mich.	516.9	6:00- 7:00	7:15- 8:15	6:00- 9:00	6:00-11:00	6:00- 9:00	6:00- 9:00	6:00-10:00
WDAF	Kansas City, Mo.	365.6	7:00- 2:00	5:00- 5:45	7:00- 2:00	7:00- 2:00	7:00- 2:00	7:00- 2:00	7:00- 2:00
WDBO	Winter Park, Fla.	240	9:00-10:30	5:00- 6:00	9:00-10:30	9:30-11:00	9:00-10:30	9:00-10:30	9:00-10:30
WDWF	Providence, R. I.	440.9	Silent	Silent	Silent	6:45- 7:00	6:45- 7:00	6:45- 7:00	6:45- 7:00
WEAF	New York, N. Y.	491.5	5:00-11:00	2:00- 9:15	5:00-11:00	5:00-11:00	5:00-11:00	5:00-11:00	5:00-11:00
WEAN	Providence, R. I.	270.1	5:30- 9:30	6:30- 7:45	5:30- 9:30	5:30- 9:30	5:30- 9:30	5:30- 9:30	Silent
WEAO	Columbus, Ohio	293.9	Silent	Silent	Silent	7:00- 9:00	8:00- 9:00	8:00-11:00	Silent
WEBH	Chicago, Ill.	370.2	7:00- 2:00	5:00- 9:00	Silent	7:00-12:30	7:00-12:30	7:00-12:30	7:00-12:30
WEBJ	New York, N. Y.	272.6	Silent	Silent	Silent	7:00- 9:00	7:00- 9:00	Silent	7:00- 9:00
WEEI	Boston, Mass.	348.6	6:10-10:00	5:00- 9:15	5:45-10:30	6:30-10:30	5:13-10:00	6:30-10:00	6:30-10:00
WEMC	BerrienSpgs., Mich.	285.5	Silent	8:15-10:10	8:15- 9:15	Silent	8:15- 9:15	Silent	Silent
WENR	Chicago, Ill.	266	6:00- 2:00	2:00-12:00	Silent	6:00-10:00	7:00- 2:00	6:00-10:00	6:00- 2:00
WFAA	Dallas, Tex.	475.9	7:30- 1:00	8:15- 1:00	7:30-10:30	7:30- 1:00	Silent	7:30-10:30	7:30-10:30
WFBH	New York, N. Y.	272.6	10:30- 1:00	4:00-10:00	10:30- 1:00	10:30- 1:00	10:30- 1:00	10:30- 1:00	10:30- 1:00
WFI	Philadelphia, Pa.	394.5	5:30-11:00	3:30- 4:30	6:00- 7:00	5:30-10:30	6:00- 7:00	5:30-10:00	6:00- 7:00
WGBF	Evansville, Ind.	236.1	Silent	Silent	Silent	8:15-11:00	Silent	Silent	8:00- 9:00
WGBS	New York, N. Y.	315.6	5:00-10:30	7:00- 8:00	6:00- 6:15	5:00-10:30	5:00- 7:30	5:00- 7:45	Silent
WGBU	Fulford, Fla.	278	6:30- 1:00	9:30-12:00	6:30- 1:00	6:30- 1:00	6:30- 1:00	6:30- 1:00	6:30- 1:00
WGCP	New York, N. Y.	252	7:30-11:00	2:00- 5:00	8:00-10:30	Silent	6:00- 8:15	9:30-12:00	6:00- 8:10
WGES	Chicago, Ill.	250	5:00- 1:00	5:00- 2:00	5:00- 7:00	5:00- 1:00	5:00- 1:00	5:00- 1:00	5:00- 1:00
WGHB	Clearwater, Fla.	266	6:30- 1:00	Silent	6:30- 1:00	6:30- 1:00	6:30- 1:00	6:30- 1:00	6:30- 1:00
WGHP	Detroit, Mich.	270	Silent	Silent	6:00- 1:00	6:00- 1:00	6:00- 1:00	6:00- 1:00	6:00- 1:00
WGN	Chicago, Ill.	302.8	6:45-11:00	3:00-11:00	Silent	6:45-11:00	6:45-12:30	6:45-11:00	6:45-11:00
WGR	Buffalo, N. Y.	319	Silent	5:00- 9:15	5:30-11:00	5:30- 8:00	5:30-11:00	5:30- 9:00	5:30-11:00
WGY	Schenectady, N. Y.	379.5	6:30-10:30	3:30-10:00	5:30- 9:00	5:30- 9:30	5:30- 9:00	5:30-11:30	5:30-11:30
WHA	Madison, Wis.	535.4	Silent	Silent	9:00-10:00	Silent	9:00-10:00	Silent	9:00-10:00
WHAD	Milwaukee, Wis.	275.1	Silent	4:15- 5:15	7:15-11:00	7:15- 8:00	7:15- 1:30	7:15- 8:00	7:15-11:00
WHAR	Atlantic City, N.J.	275.1	6:30- 8:00	6:50- 9:00	6:30-11:00	6:30- 8:00	Silent	6:30-11:00	6:30- 8:00
WHAS	Louisville, Ky.	399.8	8:30-10:00	5:30- 6:30	Silent	8:30-10:30	8:30-10:00	8:30-10:00	8:30-10:00
WHAZ	Troy, N. Y.	379.5	Silent	Silent	9:00-12:00	Silent	Silent	Silent	Silent
WHB	Kansas City, Mo.	365.6	Silent	9:00- 2:00	8:00- 9:00	8:00-11:00	8:00- 9:00	8:00-11:00	8:00- 9:00
WHN	New York, N. Y.	361.2	Silent	2:00-11:30	5:30-11:30	5:00-12:00	5:00-12:00	5:00-12:00	5:00-12:00
WHO	Des Moines, Ia.	526	Silent	6:00- 1:00	8:30- 1:00	8:30- 1:00	7:00- 1:00	8:30- 1:00	8:30- 1:00
WHT	Chicago, Ill.	399.8	7:00- 1:00	7:00- 1:00	Silent	7:00- 1:00	7:00- 1:00	7:00- 1:00	7:00- 1:00
WIBO	Chicago, Ill.	226	6:00- 8:00	6:00-12:00	Silent	6:00- 2:00	6:00-12:00	6:00- 2:00	6:00- 2:00
WIP	Philadelphia, Pa.	508.2	7:15-11:05	6:15- 7:15	5:05- 7:00	5:05-10:30	5:05- 7:00	5:05-11:00	5:05- 7:00
WJAR	Providence, R. I.	305.9	Silent	5:00- 9:15	6:45-10:00	6:30- 9:00	6:30-10:00	6:45-10:00	6:45- 9:30
WJAS	Pittsburgh, Pa.	275.3	7:00-12:00	Silent	7:00-12:00	7:00-12:00	7:00-12:00	7:00-12:00	7:00-12:00
WJAX	Jacksonville, Fla.	336.9	8:00-10:00	7:30- 8:30	8:00-10:00	8:00-12:00	8:00-10:00	8:00-12:00	8:00-10:00
WJAZ	Chicago, Ill.	329.5	Silent	Silent	Silent	Silent	Silent	11:00- 1:00	Silent
WJJD	Mooseheart, Ill.	370.2	5:30- 1:00	3:00- 4:00	Silent	5:30- 1:00	5:30- 1:00	5:30- 1:00	5:30- 1:00
WJR	Pontiac, Mich.	516.9	7:00-12:30	Silent	7:00-12:30	7:00-10:00	7:00-12:30	7:00-11:00	7:00-10:00
WJZ	New York, N. Y.	454.3	6:00- 9:25	6:00-10:00	6:00-10:45	6:00-10:40	6:00-10:30	6:00-10:30	6:00-11:00
WKAQ	San Juan, P. R.	340.7	Silent	Silent	Silent	Silent	7:00- 9:00	7:00- 9:00	7:00- 9:00
WKAR	Lansing, Mich.	285.5	Silent	Silent	7:15- 9:00	7:00- 8:00	7:00- 9:00	7:00- 8:00	7:15- 9:00
WKRC	Cincinnati, O.	422.3	10:00-11:15	5:45-11:15	5:00-12:00	9:00-11:15	5:00-12:00	9:00-11:15	Silent
WLIB	Chicago, Ill.	302.8	7:00-12:30	5:00- 6:15	Silent	7:00-12:30	7:00-12:30	7:00-12:30	7:00-12:00
WLIT	Philadelphia, Pa.	394.5	6:30- 7:30	5:30- 7:00	7:15- 9:45	6:50- 7:50	7:00-10:00	6:30- 7:30	8:30-12:00
WLS	Chicago, Ill.	344.6	7:30-12:00	6:00- 7:55	Silent	6:40- 7:55	6:40- 1:00	6:40- 7:55	6:40-11:00
WLW	Cincinnati, O.	422.3	7:00-10:00	4:00- 9:30	7:00-11:00	6:00-10:00	7:00-12:00	7:00- 1:15	Silent
WLWL	New York, N. Y.	288.3	Silent	6:00- 7:00	7:00- 9:00	Silent	Silent	7:00- 9:00	Silent
WMAK	Buffalo, N. Y.	265.5	5:15-10:00	6:30- 7:30	6:30-10:00	5:15- 6:15	6:30- 9:00	6:15- 7:00	Silent
WMAQ	Chicago, Ill.	447.5	6:00-10:00	Silent	Silent	6:00- 9:55	6:00- 9:55	6:00- 9:00	6:00- 9:55
WMAZ	Macon, Ga.	260.7	Silent	Silent	10:00-11:00	8:00- 9:00	11:00-12:00	10:00-11:00	8:00-11:00
WMBB	Chicago, Ill.	250	7:00-11:00	3:00-11:00	Silent	7:00-11:00	7:00-11:00	7:00-11:00	7:00-11:00
WMBF	Miami Beach, Fla.	384.4	7:00- 1:00	7:00- 1:00	7:00- 1:00	7:00- 1:00	7:00- 1:00	7:00- 1:00	7:00- 1:00
WMC	Memphis, Tenn.	499.7	8:15-10:30	Silent	8:15-10:00	8:15- 1:00	Silent	8:15-10:45	8:15- 1:00
WMCA	New York, N. Y.	340.7	8:00-12:00	6:00- 9:00	8:00-11:00	7:00-11:00	8:00-11:00	8:00-11:00	7:00-10:45
WNAC	Boston, Mass.	280.2	5:00-10:00	2:15- 7:45	5:30- 9:45	5:00- 8:00	5:00- 9:00	5:00- 8:00	5:00-10:00
WNYC	New York, N. Y.	526	6:00- 9:30	8:00-10:00	6:35- 9:30	6:10-10:30	6:30- 9:30	6:35- 9:30	6:30- 9:30
WOAI	San Antonio, Tex.	394.5	Silent	8:30-11:30	Silent	9:30-10:30	9:30-10:30	Silent	9:30-10:30
WOAN	Lawrenceb'g, Tenn.	282.8	Silent	10:00-11:00	10:00- 2:30	10:00-11:00	10:00-11:00	10:00-11:00	10:00-11:00
WOAW	Omaha, Nebr.	526	7:00- 1:00	7:00-10:00	7:00-11:00	7:00- 2:00	Silent	7:00- 2:00	7:00-12:15
WOAX	Trenton, N. J.	240	Silent	8:30-10:30	Silent	Silent	Silent	Silent	Silent

Call	Location	Met.	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday
WOC	Davenport, Ia.	483.6	10:00-11:00	7:30-12:30	Silent	7:00-11:00	7:00-11:30	7:00- 1:00	8:30-12:00
WOI	Ames, Ia.	270.1	Silent	Silent	Silent	Silent	Silent	8:05- 9:30	Silent
WOK	Homewood, Ill.	217.3	10:00- 1:00	7:00- 1:00	Silent	10:00- 1:30	10:00- 1:30	10:00- 1:30	10:00- 1:30
WOO	Philadelphia, Pa.	508.2	6:30- 7:30	5:00- 6:00	6:30-11:00	6:30- 7:30	6:30-10:30	6:30- 7:30	6:30-10:30
WOOD	Grand Rapids, Mch.	242	10:00- 1:00	Silent	10:00- 2:00	10:00- 1:00	10:00- 1:00	Silent	10:00- 1:00
WOQ	Kansas City, Mo.	278	9:00-12:00	9:00-10:15	Silent	9:00-10:00	Silent	8:00-10:00	Silent
WOR	Newark, N. J.	405.2	5:15-11:00	Silent	5:15-11:00	5:15- 7:00	5:15-10:30	5:15- 7:20	5:15- 7:00
WORD	Batavia, Ill.	275	7:00-10:25	2:30-10:00	Silent	7:00-12:45	7:00-12:00	7:00-10:00	7:00-12:45
WOS	Jefferson City, Mo	440.9	Silent	6:00- 9:30	9:00-11:00	Silent	9:00-11:00	Silent	9:00-11:00
WPG	Atlantic City, N.J	299.8	5:45-11:00	2:15-10:00	5:45-11:00	5:45-11:00	Silent	5:45-11:00	5:45-11:00
WQJ	Chicago, Ill.	447.5	7:00- 3:00	3:00-10:00	Silent	7:00- 2:00	7:00- 2:00	7:00- 2:00	7:00- 2:00
WRC	Washington, D. C.	468.5	7:00-12:00	Silent	Silent	7:00-11:30	Silent	7:00-12:30	Silent
WREO	Lansing, Mich.	285.5	10:00-12:00	Silent	Silent	8:15-10:00	Silent	8:15-10:00	Silent
WRVA	Richmond, Va.	256	Silent	Silent	8:00-11:00	11:00- 1:00	8:00-11:00	8:00-11:00	7:00-11:00
WRW	Tarrytown, N. Y.	273	7:00-10:30	7:00-10:30	8:00-10:30	8:00-10:30	8:00-10:30	8:00-10:30	8:00-10:30
WSAI	Cincinnati, O.	325.9	8:00-12:00	7:45- 9:45	8:00-10:00	7:00-10:00	6:45-11:00	7:15-10:00	Silent
WSB	Atlanta, Ga.	428.3	9:00- 1:00	8:30-10:15	9:00- 1:00	9:00- 1:00	11:45- 1:00	9:00- 1:00	9:00- 1:00
WSBC	Chicago, Ill.	209.7	6:30- 4:00	6:30- 1:00	6:30- 7:00	6:30- 1:00	6:30- 1:00	6:30- 1:00	6:30- 1:00
WSM	Nashville, Tenn.	282.8	8:00-12:00	8:30-10:00	8:00-12:00	8:45-10:00	8:00-12:00	Silent	8:00-12:00
WSMB	New Orleans, La.	319	9:30-11:30	Silent	9:30-12:30	Silent	9:30-11:30	9:30-12:00	Silent
WSUI	Iowa City, Ia.	483.6	Silent	10:15-10:45	8:30-10:00	Silent	Silent	Silent	Silent
WSWS	Chicago, Ill.	275.1	6:00-11:00	6:00-11:00	Silent	6:00-11:00	6:00-11:00	6:00-12:00	6:00-12:00
WTAG	Worcester, Mass.	268	Silent	3:00- 9:15	6:00-10:00	6:45-10:00	6:40-10:00	7:00-10:00	7:15- 9:30
WTAM	Cleveland, O.	389.4	6:00-12:00	Silent	6:00- 1:00	6:00- 7:00	6:00- 1:00	6:00- 7:00	6:00- 7:00
WTIC	Hartford, Conn.	475.9	5:50-10:30	Silent	5:50-11:00	Silent	5:30- 9:30	5:50- 6:50	5:30-11:00
WWJ	Detroit, Mich.	352.7	Silent	2:00- 9:15	6:00-10:00	6:00- 8:00	6:00-10:00	6:00-12:30	6:00-10:00

STATIONS IN ORDER OF WAVE LENGTHS

Meters	Call	Meters	Call	Meters	Call	Meters	Call	Meters	Call	Meters	Call
209.7	WSBC	263	WBPI	285.5	WKAR.	340.7	KFAB	399.8	WHAS	475.9	WBAP
217.3	WOK	265.6	WBCN	285.5	WREO	340.7	WKAQ	399.8	WHT	475.9	WTIC
222	WCOA	265.6	WENR	288.3	KFKX	340.7	WMCA	400	PWX	475.9	WFAA
226	KFWI	265.6	WGHB	288.3	WLWL	344.6	WCBD	405.2	KHJ	480	CYL
226	WBBM	265.6	WMAK	293.9	KTBI	344.6	WLS	405.2	WOR	483.6	WOC
226	WIBO	268	KFH	293.9	WAIU	348.6	KOB	406	WBAR	483.6	WSUI
229	KMMJ	268	WTAG	293.9	WEAO	348.6	KWSC	410.7	CKAC	491.5	KGW
232.4	KFON	270.1	WEAN	296.9	KPRC	348.6	WEEI	416.4	WCCO	491.5	WEAF
236.1	WGBF	270.1	WGHP	299.8	KSL	350	CZE	421	KIAF	499.7	WMC
240	KFVE	270.1	WOI	299.8	WPG	352.7	WWJ	422.3	WLW	502.8	KFQB
240	KTAB	272.6	WBBR	302.8	WGN	356.9	CFCA	422.3	WKRC	508.2	KLX
240	WDBO	272.6	WEBJ	302.8	WLIB	356.9	CKCL	428.3	WSB	508.2	WIP
240	WOAX	272.6	WFBH	305.9	KTCL	356.9	CKNC	428.3	KPO	508.2	WOO
242	KSO	273	WRW	305.9	WJAR	361.2	KGO	434.5	CNRO	516.9	CJCA
242	WOOD	275.1	WHAD	309.1	KDKA	361.2	WHN	434.5	CFCN	516.9	WCX
244	WAMD	275.1	WHAR	315.6	KFDM	365.6	WDAF	434.5	NAA	516.9	WJR
246	WBAL	275.1	WORD	315.6	KPSN	365.6	WHB	435	AT9	526	WHO
250	KFXF	275.1	WSWS	315.6	WAHG	370.2	WEBH	440.9	KLDS	526	WNYC
250	WGES	275.3	WJAS	315.6	WGBS	370.2	WJJD	440.9	WDWF	526	WOAW
250	WMBB	278	KOIL	319	WGR	374.8	KTHS	440.9	WOS	535.4	KYW
252	KFWB	278	KWWG	319	WSMB	379.5	WGY	447.5	WMAQ	535.4	WHA
252	KMA	278	WCAU	322.4	KOA	379.5	WHAZ	447.5	WQJ	545.1	KFUO
252	WGCP	278	WGBU	325.9	WSAI	384.4	CKY	454.3	KFOA	545.1	KSD
256	WRVA	278	WOQ	329.5	KWKH	384.4	KJR	454.3	WJZ		
258	WADC	280.2	KMOX	329.5	WJAZ	384.4	WMBF	455	KTW		
260.7	KFWA	280.2	WNAC	333.1	WBZ	389.4	WTAM	461.3	WCAE		
260.7	KFJF	282.8	WOAN	336.9	KNX	394.5	WFI	467	KFI		
260.7	WMAZ	282.8	WSM	336.9	KFMX	394.5	WLIT	468.5	WCAP		
263	KFNF	285.5	WEMC	336.9	WJAX	394.5	WOAI	468.5	WRC		

LITTLE OL' PROFESSOR

(Continued from page 5)

"You hear?" whispered Dolmes.

"Marvelou—ouch!" The Great Detector kicked sideways at my shin.

"Shut up! I told you I'd do it. That's the villain. He's not little, nor is he old or a professor."

"How do you get that way?" I demanded, rubbing my shin.

"He is young, good looking, fairly tall, neatly brushed hair and always ready with a smile—"

"What do you mean, 'he's a villain?'"

"Very simple—a vaudevillain. He said 'headliner act.' He's an actor. Did you note the tone, the manner of self assurance in which he said 'I wish to present to you'? That was the manner of a man making an introduction to a lady. It was the voice of a man who moves confidently among the social elect. He must therefore be popular. Little, dried-up, weazened professors are not particularly adroit or admired by the fair sex. By process of elimination he must be of the opposite type, as I have described."

"And his name?" I asked, amazed beyond further expression.

"Billy Knight," said Dolmes. "But listen and we'll get the rest of this."

Dolmes dropped into a Turkish chair and crossed his long, lanky legs. I began looking around, rather cautiously. There were no concealed persons behind the chairs or other furniture. I discovered no hidden panels. But still the sounds, and, incidentally the sweetest music from those Hawaiians, continued to come from the drum on the mantle. Suddenly a great light dawned on me.

"I have it! I have it!" I tapped the Great Detector on the shoulder.

"So have I but what have you got?" he replied.

"It's a Radio receiver! This is a program from the St. Louis Star—"

"Right-o! Watty, old chap, you astonish me with your perspicacity. If you will control yourself in the light of this discovery I promise you shall hear those Four Aces of Harmony, Al Boswell, Jack Lehr, Ralph Jones and Bruce Renick."

However he could foretell this event I did not at the time understand but his prophesy proved quite correct. In fact there followed a number of well-known vaudeville acts borrowed from the various local theaters. We heard the Georgia Melody Makers and excellent classical piano selections by Eugene Meyer.

Miss Leora Thomure, we were informed by the so-called "Little Ol' Professor," accompanied the singers and presented a few piano selections by herself.

"And on some of the programs," said Dolmes after we had listened for an hour and a half, "one may hear the Coronado Hotel orchestra, Frank Tritz, the baritone and the Hausman Brothers Banjoteers. But, as I told you in the beginning we would unmask this Little Ol' Professor. You see he is not so little. He is not bald with overslung forehead and watery eyes. He does not have a long white beard nor wear a mortar board for a hat."

"Marvelous!" I turned for my hat and cane as Hari Singh appeared in the doorway, a quizzical, enigmatic smile on his bronze countenance.

"Nothing at all," said Dolmes with a deprecatory wave of his slender hand. "Wait until you see the next Radio mystery I am going to uncover."

Univ. of Minn. Studio Is Latest WCCO Link

Gold Medal Station Now Has Four Complete Studios

MINNEAPOLIS, Minn.—The third, or rather the fourth, link in the broadcasting system of the Gold Medal station, here, WCCO, was completed during the past month when the new studios of the University of Minnesota campus were opened for service. This gives the Gold Medal station modern, completely equipped studios and operating rooms in the new Union depot at Saint Paul, on the University campus, and on the roof of the New Nicollet hotel, Minneapolis, all linked with the transmitting station at Anoka, 18 miles northwest of Saint Paul and Minneapolis.

Programs may be sent from any one of the studios by specially built telephone wires to the transmitting station. While the studios on the University campus may be directly connected with WCCO, as they are during the University hour from 8:00 to 9:00 p. m. Central time, every Monday evening, they are also part of the equipment of the university broadcasting station, WLB. This equipment was that formerly used by the old station, WLAG, and was loaned to the university by Washburn Crosby company when the new 5,000-watt broadcasting equipment was purchased for WCCO.

KMTR, known as the "high hat" Hollywood station for the reason that most of its offerings have been along classical lines, has at last succumbed to the lure of the movies and will present each Saturday night from 10 to 11 p. m. Pacific time, a motion picture jollification. The first few programs will present Hal Roach comedy stars. Tune in and see if their gags go as well over the microphone as they do on the celluloid strip.

The Berlin "Funkstunde" has started a complete course in astronomy as part of its broadcasting programs. The arrangements to this end have been made with the Berlin observatory authorities.

MRS. LABBITT EARNS HOUSEWIVES' FAVOR

WWJ'S WOMEN LISTENERS KEEP MAIL MAN BUSY

Household Editor of Detroit News Builds Her Popularity from Thousands of Letters

By Ella Gordon Smith,
Woman's Editor The Detroit News

ONE year ago last December, at 9:30 a. m., an audience of women turned the dial on their Radio sets expecting to hear a familiar name announced to be followed by a voice that had become known to them during the years past. Instead of this they heard:

"This is Station WWJ."

Old stuff. Nothing startling about that. But let's go on. Mr. Tyson's voice continued:

"Now, Mrs. Myrtle E. Labbitt, Household Editor of The Detroit News, will give you a little talk and tell you what to have for tonight's dinner."

All the "old applesauce" except—who was Mrs. Labbitt?

Nobody who listens in on WWJ at 9:30 a. m. today asks that question. They all know, and there is no announcement more eagerly listened for over WWJ than when the housewives tune in for the morning talk and menu broadcast by this Radio favorite.

No Problem Is Too Small

Mrs. Labbitt is fair, tall (her hair is bobbed) and despite the notation in parentheses, she creates an impression of capability. She was born on a farm near Minneapolis, and is a graduate of the University of Minnesota. She has a sense of humor, but of a kind that never makes people uncomfortable.

No problem is too trivial to merit her full consideration, and every housewife who writes or who listens to her voice over the Radio may feel perfectly certain that she is imbued with a deep and earnest desire to make life easier, better and happier for each of them. Every ounce of effort she can muster is put to this purpose.

Mrs. Labbitt's activities do not end when she leaves the "mike" in the broadcasting studio of WWJ. Here the day's work merely begins with the half-hour program to her listeners. Then she goes to her desk where letters from every part of the country await her attention. If the mail doesn't show nearly two hundred letters or better, she feels that the day has gone decidedly wrong. Her total for the week runs considerably over a thousand, and every letter is given her personal consideration.

Listeners' Letters Build Her Work

In her files are a most delightful assortment of friendly notes which have come from the extreme north, south, east and west. That is the way she learns about the work she is doing for her family of listeners, whether the results are what she has hoped for. Questions on every phase of life, from entertaining to feeding the baby, are her daily problems, and she plans a party with the same zest that she turns the baby over to a specialist, for she knows full well that no person in Detroit, however competent, can decide what is good for a baby in Portland, Ore.

Every day she is building "better and better." She depends upon the letters she receives for direction in her work. Those who are pleased must write their notes of appreciation. Those who have criticisms to make, must also write. And Mrs. Labbitt welcomes the adverse critic's note just as warmly as she does those of commendation.

"TONIGHT'S DINNER BEGAN HER CAREER

A little over a year ago, Mrs. Myrtle E. Labbitt was introduced over the WWJ microphone. She told her fair listeners what to have for "tonight's dinner." Since then her careful and personal study and handling of the thousands of letters she receives from women fans, has made her daily morning feature one of the most popular of the Detroit station.

The Reader's View

Another Answer to J. M. H.

In your column I noticed an article where C. E. V., Boston, Mass., picks up a 10-watt station in Mississippi, and J. M. H. of Lousiana wants to know what kind of a set he uses.

Well, I've got a 4-tube reflex and I get this same station, WREC, Coldwater, Miss. (10 watts) on a loop and through loud speaker. WREC's slogan is, "The Most Powerful 10-Watt Station in the World." It is a fitting slogan, don't you think so? —L.W.L., Dukirk, N. Y.

Radio a Home Builder

Radio means so much in our farm home that mere words fail to adequately express our appreciation.

Radio has ceased to be a luxury, but has become a necessity second only to the auto. We live near the seashore on a stock farm and ranch, midway between Victoria and Port Lavaca, connected as we are with long distance and living on a busy shell highway, yet we enjoy the Radio.

Last winter we were warned just in time before the severe blizzard swept down upon us, freezing and killing in one day 15,000 cattle of others in our county alone.

The market news is most appreciated during the day. But we enjoy the delightful programs in the evening until we are so sleepy we must "turn in," since our ranch rising bell rings before day.

The Radio is touching almost all phases of human interest and welfare; in our farm homes more especially, and we are depending more and more upon the Radio for diversion, instruction and amusement so much so that it is a home builder. The Radio keeps our children more contented on the farm, less inclined to seek amusement in town.

The Radio raises the standard of mental culture, giving us food for thought, retrospection, broadens our viewpoint, extends our horizon, enlarges our vision and brings us in closer contact with the whole United States.

Radio is a mental stabilizer, a physical director, and a spiritual instructor.

Radio is a home builder.—J.W.McK., Port Lavaca, Texas.

The Announcing Question

A frequent reader of your good paper, I have frequently read and sympathized with brother fans, who complain of announcers not announcing their stations frequently enough between numbers. If this fault were only committed by those broadcasting continuity programs, little could be said, but you must know, as well as I do, that such is not always the case by a long shot.

Who wants to listen in to a poorly given program? And it is frequently announcers of such programs, who do not give proper data. If one gets such station, one does want to get "distance" and location before changing his dials. I have often wondered why some fan did not suggest in your columns the publication of names of announcers, who are so carless—or ignorant. I am sure that you will always find a majority of fans who like to get not only good programs but distance; and what are all the great broadcasting stations reaching out for if not distance?—J. H. M., Sewickley, Pa.

Here's Another Cure

After reading C. C. T., also O. W. T., in first May issue, also many other letters in the past, regarding the station announcers, I wish to say that I am at a loss to really know what such people want with a Radio. I am inclined to believe they prefer to hear the station call letters to the music or program.

I am satisfied if they announce once every fifteen minutes or only as often as they see fit to announce. If the program is good I don't care where it comes from. When you consider the efforts of the studio to serve the public, preparing a good program, then think of the audacity of some selfish DX hound whose only ambition is how many stations he can log and how much interference he can make for others, it is disgraceful.

So let each of us see what he can do not to interfere with other's tuning, rather than criticise the announcers.—R. E. H., Rochester, N. Y.

WOMEN'S PROGRAMS INDEX

Tuesday

Atlantic	Eastern	Central	Mountain	Pacific
10 a. m.	9	8	7	6

WIP (508.2m-590kc), Menu, Anna Scott.

10:30	9:30	8:30	7:30	6:30

WWJ (352.7m-850kc), Tonight's dinner.

10:45	9:45	8:45	7:45	6:45

WTAG (267.7m-1120kc), Talk to mothers.

11	10	9	8	7

KDKA (309.1m-970kc), Domestic Science. Arts for the Housewife.

11:30	10:30	9:30	8:30	7:30

WMCA (340.7m-880kc), "Beauty."

12 n.	11	10	9	8

WEAO (293.9m-1020kc), Housekeepers' half hour.
WEAR (389.4m-770kc), Home service talk.
WHT (399.8m-750kc), Women's club, Jean Sargent.
WMCA (340.7m-880kc), Home Makers' club.
WQJ (447.5m-670kc), June 15, Hat talk, Gardening talk. June 22, "The Injustice of Returned Merchandise." "Planning Your Vacation in the West."

12:30 p.m.	11:30	10:30	9:30	8:30

WEBH (370.2m-810kc), Fashion and household talks.
WGN (302.8m-990kc), Home Management period.

1:15	12:15	11:15	10:15	9:15

KPRC (296.9m-1010kc), Beauty talks.

2	1	12 n.	11	10

KGW (491.5m-610kc), Household Helps, shopping guide.
WGBF (236.1m-1270kc), Garden talk.

2:45	1:45	12:45	11:45	10:45

WQJ (477.5m-670kc), Home Economics. Style chats, June 22, "Quick Summer Baking." "Coal." "The Market Value of Men and Women."
WGBF (236.1m-1270kc), Garden talk.

4	3	2	1	12 n.

WIP (508.2m-590kc), Menu talk.
WJZ (454.3m-660kc), "Your Daily Menu," Mrs. J. Heath.

4:15	3:15	2:15	1:15	12:15

WHO (526m-570kc), Recipes, household hints.

4:30	3:30	2:30	1:30	12:30

WLIT (394.5m-760kc), Household helps and hints.

5	4	3	2	1

WOC (483.6m-620kc), Home management schedule.

6	5	4	3	2

KMOX (280.2m-1070kc), Housewives' hour.

6:30	5:30	4:30	3:30	2:30

KOA (322.4m-930kc), Housewives' matinee.

7	6	5	4	3

KOA (322.4m-930kc), Culinary hints, Clara Hoover. Fashion hints.

7:45	6:45	5:45	4:45	3:45

WPG (299.8m-1000kc), Fashion Flashes.

9:30	8:30	7:30	6:30	5:30

KGO (361.2m-830kc), As a Woman Thinketh.

Wednesday

Atlantic	Eastern	Central	Mountain	Pacific
10:30 a. m.	9:30	8:30	7:30	6:30

WWJ (352.7m-850kc), Tonight's dinner.

10:45	9:45	8:45	7:45	6:45

WTAG (268m-1120kc), Talk to Housewives, Mrs. Lydia Flanders.

12 n.	11	10	9	8

WEAO (293.9m-1020kc), Housekeepers' half hour.
WHT (399.8m-750kc), Women's club, Jean Sargent.
WQJ (447.5m-670kc), Home Economics program. Child Welfare talk. Fish dinner menu for Friday.

12:30 p.m.	11:30	10:30	9:30	8:30

WEBH (370.2m-810kc), Fashion and Household talks.
WGBF (236.1m-1270kc), Cooking instructions.
WGN (302.8m-990kc), Household management period.

Atlantic	Eastern	Central	Mountain	Pacific
12:35 p.m.	11:35	10:35	9:35	8:35

KYW (535.4m-560kc), Table talk.

1:15	12:15	11:15	10:15	9:15

KMOX (280.2m-1070kc), Cookery, Gladys Kimbrough.

1:45	12:45	11:45	10:45	9:45

KGW (491.5m-610kc) Household Helps, shopping guide.

2:20	1:20	12:20	11:20	10:20

WGBF (236.1m-1270kc), Garden talk.

2:45	1:45	12:45	11:45	10:45

WQJ (447.5m-670kc), Home Economics, June 23, "Cold Meals for Hot Nights." "Feminine Charm." "Wedding Flower Customs."

4	3	2	1	12 n.

WCCO (416.4m-720kc), Woman's hour.
WJZ (454.3m-660kc, "Your Daily Menu."

4:30	3:30	2:30	1:30	12:30

WLW (422.3m-710kc), Cooking school.

5	4	3	2	1

WMAQ (447.5m-670kc), Recipes.
WOC (483.6m-620kc), Home management schedule, Aunt Jane.

5:30	4:30	3:30	2:30	1:30

KFNF (263m-1140kc), Flower talk.

5:40	4:40	3:40	2:40	1:40

WRC (468.5m-640kc), Housekeepers' chat.

6	5	4	3	2

KMOX (270.2m-1070kc), Housewives' hour.
KOAC (280.2m-1070kc), Housekeepers' half hour.

7	6	5	4	3

KGO (361.2m-830kc), "Hints for Housekeeper."

8	7	6	5	4

KLX (508.2m-590kc), Woman's hour.
KMA (252m-1190kc), Domestic science talk.

8:45	7:45	6:45	5:45	4:45

WBZ (333.1m-900kc), Household management.

11:30	10:30	9:30	8:30	7:30

KOAC (280.2m-1070kc), "Jimmy's Building Blocks for Health."
KWSC (348.6m-860kc), Home management.

11:45	10:45	9:45	8:45	7:45

KOAC (280.2m-1070kc), Art in the home.

Thursday

Atlantic	Eastern	Central	Mountain	Pacific
10 a. m.	9	8	7	6

WIP (508.2m-590kc), June 17, Menu talk.

10:30	9:30	8:30	7:30	6:30

WWJ (352.7m-850kc), Tonight's dinner.

10:45	9:45	8:45	7:45	6:45

WTAG (268m-1120kc), Marjorie Woodman, nurse.

11	10	9	8	7

WEAF (491.5m-610kc), Talks, cookery lecture.

11:50	10:50	9:50	8:50	7:50

WMC (499.7m-600kc), Home economics discussion, Miss Kitty.

12 n.	11	10	9	8

WEAO (293.9m-1020kc), Housekeepers' half hour.
WEAR (389.4m-770kc), Home service talk.
WHT (399.4m-750kc), Women's club, Jean Sargent.
WMCA (340.7m-880kc), Food bureau program.
WQJ (447.5m-670kc), June 17, "Porch Suppers," Erna J. Bertrams; "Care of the Feet." June 24, "Summer Breakfasts That Tempt."

12:30 p.m.	11:30	10:30	9:30	8:30

WEBH (370.2m-810kc) Household and fashion talks.
WGN (302.8m-990kc), Home Management period.
WOI (270m-1110kc), June 17, "Hiking and Cooking Outdoors," "Sewing for Profit."

12:35	11:35	10:35	9:35	8:35

KYW (535.4m-560kc) Table talks.

2	1	12 n.	11	10

KGW (491.5m-610kc), Household helps.
WGY (379.5m-790kc), Cornell university home economics talk.

Atlantic	Eastern	Central	Mountain	Pacific
2:20 p. m.	1:20	12:20	11:20	10:20

WGBF (236.1m-1270kc) Garden talk.

2:45	1:45	12:45	11:45	10:45

WQJ (447.5m-670kc), Home Economics. June 24, "The Fourth of July Picnic."

4	3	2	1	12 n.

WJZ (454.3m-660kc), Your Daily Menu.

4:15	3:15	2:15	1:15	12:15

WJZ (454.3m-660kc) "Wall Paper, Room by Room," A. Fillebroun.

5	4	3	2	1

WOC (483.6m-620kc) Home management schedule, Aunt Jane.

6	5	4	3	2

KMOX (280.2m-1070kc) Housewives' hour.

6:30	5:30	4:30	3:30	2:30

KOA (322.4m-930kc) Housewives' matinee.
WCCO (416.4m-720kc) Women's club program.

7	6	5	4	3

KOA (322.4m-930kc) Culinary hints, Clara Hoover.

Friday

Atlantic	Eastern	Central	Mountain	Pacific
10:30 a.m.	9:30	8:30	7:30	6:30

WWJ (352.7m-850kc) Tonight's dinner.

11	10	9	8	7

KDKA (309.1m-970kc) Domestic science and Arts for the Housewife.

12 n.	11	10	9	8

WEAO (293.9m-1020kc) Housekeepers' half hour.
WHT (399.8m-750kc) Women's hour, Jean Sargent.
WQJ (447.5m-670kc), Sunday dinner menu.

12:15 p.m.	11:15	10:15	9:15	8:15

KYW (535.4m-560kc) Meat talk.

12:30	11:30	10:30	9:30	8:30

WEBH (370.2m-810kc) Household and fashion talks.
WGBF (236.1m-1270kc), Cooking instructions.
WGN (302.8m-990kc), Home Management period.

12:35	11:35	10:35	9:35	8:35

KYW (535.4m-560kc) Table talk.

1:45	12:45	11:45	10:45	9:45

KGW (491.5m-610kc), Household helps.

2:45	1:45	12:45	11:45	10:45

WOAW (526m-570kc) Sunshine Sunday dinner menu.
WQJ (447.5m-670kc), June 25, "Time for Another Picnic."

4	3	2	1	12 n.

WJZ (454.3m-660kc) "Your Daily Menu," Mrs. J. Heath.

4:15	3:15	2:15	1:15	12:15

WHO (526m-570kc) Recipes, household hints.

4:25	3:25	2:25	1:25	12:25

WJZ (454.3m-660kc) "Solving Candy Problems."

5	4	3	2	1

KYW (535.4m-560kc) Woman's hour.
WOC (483.6m-620kc) Home Management, Aunt Jane.

5:15	4:15	3:15	2:15	1:15

WMAQ (447.5m-670kc)

5:30	4:30	3:30	2:30	1:30

WFAA (475.9m-630kc) Homemakers program.
WMAQ (447.5m-670kc), Foibles of the Moment.

6:30	5:30	4:30	3:30	2:30

KOA (322.4m-930kc) Housewives matinee.

7	6	5	4	3

KOA (322.4m-930kc), Culinary hints. Fashion review.

9:45	8:45	7:45	6:45	5:45

WCCO (416.4m-720kc), June 4, "Jelly Making."

11:30	10:30	9:30	8:30	7:30

KMOX (280.2m-1070kc) Housewives' hour.

Saturday

Atlantic	Eastern	Central	Mountain	Pacific
10 a. m.	9	8	7	6

WIP (508.2m-590kc), Menu talk.

10:30	9:30	8:30	7:30	6:30

WWJ (352.7m-850kc) Tonight's dinner.

Atlantic	Eastern	Central	Mountain	Pacific
12 n.	11	10	9	8

WEAO (293.9m-1020kc) Housekeepers' half hour.
WEAR (389.4m-770kc) Home service talk.
WHT (399.8m-750kc) Women's club, Jean Sargent.
WGN (302.8m-990kc), Household hints.
WQJ (447.5m-670kc), Home Economics program, June 19, "Health and Fitness Through Proper Foods." Swimming lesson.
WQJ (447.5m-670kc), Home Economics program.

12:30 p.m.	11:30	10:30	9:30	8:30

WGN (302.8m-990kc), Home Management period.

12:35	11:35	10:35	9:35	8:35

KYW (535.4m-560kc), Table talk.

2	1	12 n.	11	10

KGW (491.5m-610kc), Household helps, shopping guide.
KMA (252m-1190kc), Domestic science topics.

2:20	1:20	12:20	11:20	10:20

WGBF (236.1m-1270kc), Garden talk.

6	5	4	3	2

KMOX (280.2m-1190kc), Housewives' hour.

Monday

Atlantic	Eastern	Central	Mountain	Pacific
10:30 a.m.	9:30	8:30	7:30	6:30

WWJ (352.7m-850kc), Tonight's dinner.

10:45	9:45	8:45	7:45	6:45

WTAG (268m-1120kc), Marjorie Woodman, nurse.

11:50	10:50	9:50	8:50	7:50

WMC (499.7m-600kc), Home economics discussion, Miss Kitty.

12 n.	11	10	9	8

WEAO (293.9m-1020kc), Housekeepers' half hour.
WEAR (389.4m-770kc), Home service talk.
WHT (399.8m-750kc) Women's club, Jean Sargent.
WQJ (447.5m-670kc), Home Economics program, June 21, "Growing Perennials from Seed." "Should It Be a Buffet Supper?" Baking talk.
WSWS (275.8m-1090kc), Style shop.

12:30 p.m.	11:30	10:30	9:30	8:30

WEBH (370.2m-810kc), Fashion and household talks.
WGBF (236.1m-1270kc), Cooking instructions.
WGN (302.8m-990kc), Home Management period.
WTIC (475.9m-630kc), Housewife's forum.

12:35	11:35	10:35	9:35	8:35

KYW (535.4m-560kc), Table talk.

1:45	12:45	11:45	10:45	9:45

KGW (491.5m-610kc), Household helps.

2	1	12 n.	11	10

WSOE (245.8m-1220kc), Ladies' hour.

2:20	1:20	12:20	11:20	10:20

WGBF (236.1m-1270kc), Garden talk.

2:45	1:45	12:45	11:45	10:45

WQJ (447.5m-670kc), June 21, "What to Serve with Hot Meals."

3:30	2:30	1:30	12:30	11:30

KFNF (263m-1140kc), Mothers' hour.

4	3	2	1	12 n.

WCCO (416.4m-720kc), Women's hour.
WSOE (246m-1220kc), Cooking chats.
WIP (508.2m-590kc), Market hints for housewives.
WJZ (454.3m-660kc), "Your Daily Menu."

4:15	3:15	2:15	1:15	12:15

WJZ (454.3m-660kc), Flower Making course.

4:25	3:25	2:25	1:25	12:25

WJZ (454.3m-660kc), Shopping service.

5	4	3	2	1

WOC (483.6m-620kc), Home management schedule, Aunt Jane.

5:15	4:15	3:15	2:15	1:15

KYW (535.4m-560kc), Meat talk, John Cutting.

6	5	4	3	2

KMOX (280.2m-1070kc), Housewives' hour.
WRC (468.5m-640kc), Housekeepers' half hour.

1:15 a.m.	12.15	11:15	10:15	9:15

KGO (361.2m-830kc), "Character Training in the Home," E. Anderson.

CHICAGO BROADCASTERS COOPERA

HIGH LIGHTS OF THE AIR

ONE of the biggest broadcasts of the year has been made possible by the Chicago Broadcasters association. Through the unselfish cooperation of these eleven stations fans all over the U. S. unable to attend the Eucharistic Congress in Chicago during the latter part of June may keep in touch with the meeting. Four stations, KYW, WEBH, WLS and WMAQ will broadcast. The events to go out over the ether are briefly, the civic reception of the Papal Legate, June 18, from 8 to 11 p. m., Central daylight saving time; the morning service of welcome at the Holy Name cathedral June 20 and the vespers at 8 p. m.; the Mass of the Angels at Soldiers' Field, an outdoor broadcast which includes a children's choir of 50,000 voices and speeches by important clergy June 21; the men's service June 22; and the procession at Mundelein at 1 p. m. June 24.

June shows no summer lull in important Radio programs at other stations. Tuesday, June 15, marks the return of WIP to its summer home. Among the new features which will remind the listener of fragrant salt sea air are Creatore and his band, Earl Bonawitz and the Silver Slipper club revue.

Young artists, winners of medals in the 1926 British Columbia music festival, will contribute to the success of the June 15 program at CNRV. Many of these young musicians will meet the invisible Radio audience for the first time.

Wednesday evening, June 16, the Travelers Jongleurs, those melodious minstrels of WTIC return to the air bringing with them a newcomer without a name. This Unknown Troubadour is said to have a voice of unusual tenor range.

Turn the aerials westward Thursday, June 17, to pick up a program in San Francisco and a meeting in Los Angeles. Although saxophone solos are not allowed to monopolize the air at KPO, an ensemble of twenty of these instruments will slip past the Radio censor Thursday evening, June 17, and put on a concert at 9 p. m. Pacific time. Harry J. Waters directs this band. The Los Angeles program is a salon and reception in honor of Charles Wakefield Cadman, one of America's foremost composers. Many prominent people will confront the mike of KHJ to show their appreciation of the work of Mr. Cadman. His Indian love lyrics have found a permanent place in American music.

Just as spring brings Mother's Day and everyone remembers it in candy and flowers, so does June 18 bring Father's Day. Even if sons and daughters do not say it in either neckties or socks, WEAF and chain will say it with a special musicale.

Vice-President Dawes, the Swedish Consul and Mayor Dever are only a few of the prominent people of Illinois who will welcome Crown Prince Gustaf Adolf of Sweden to Chicago. The prince will talk in English at 9 p. m. Central daylight saving time over Station WJJD, June 23.

Instead of sitting out in the park among the crowds these warm summer evenings, retire to the cool vine-covered porch and dial for WBAL's Tuesday broadcast of the Baltimore City Park orchestra and the Friday program given by the Municipal band. Both are popular Baltimore organizations.

LEADING lady and directo Madge Tucker, left. M Radio favorite in Washing was telling bedtime stories to last great dramatic success was Next year she plans to book th year. Charlotte Meyers, right, Merry Old Chief himself at W sweet voice has a way of si of many a Radio fan and he applause mail. Below are tw at WHAD. No, Milwaukee is that is the reason Doc Dorwor ever, Wally Seitz is cheer him this station and judge for your

Tuesday, June 15

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
7:30 p. m.	6:30	5:30	4:30	3:30

CNBA (312.4m-960kc), Springhill choral night.

8:30	7:30	6:30	5:30	4:30

WEAO (293.9m-1020kc), One act play, Student dramatic club.

WPG (299.8m-1000kc), Murphy's Minstrels.

9	8	7	6	5

WBAL (245.8m-1220kc), Baltimore City Park orchestra.

WGBF (236.1m-1270kc), Old Fiddlers, Clay, Ky.

9:30	8:30	7:30	6:30	5:30

WHAS (399.8m-1000kc), Carl Zoeller's Melodists.

10	9	8	7	6

WOC (483.6m-620kc), Pettit's Banjo Strummers.

KDKA (309.1m-970kc), Folk songs of the Nations.

10:45	9:45	8:45	7:45	6:45

KPRC (296.9m-1010kc), Harmony Boys.

11	10	9	8	7

CNRV (291m-1080kc), British Columbia music festival.

12 m.	11	10	9	8

KGO (361.2m-830kc), Musical interpretation of Romeo and Juliet.

Tuesday, silent night for: CFCA, CKNC, CNRC, CNRE, CNRM, CNRO, CNRT, CNRW, KFKX, KFUO, KFWA, KOA, KOAC, KOB, KOWW, KSAC, KTAB, KWSC, WABQ, WAHG, WAMD, WBBR, WCAP, WGCP, WHA, WHAZ, WLWL, WOR, WOS, WSMB, WSUI, WTAM, WTIC.

Atlantic or Eastern Daylight Saving Time Stations

CKAC, Montreal, Canada (410.7m-730kc), 7:15 p. m., Windsor hotel dinner concert; 8:30, C. P. O. S. S. Montrose members of National entertainment association of London; 10:30, Windsor hotel dance orchestra.

CNRA, Moncton, Canada (312.4m-960kc), 7:30 p. m., Springhill choral night; 11, CNRA orchestra.

WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert, William Penn hotel; 8, WEAF; 8:30, WEAF; 9, WEAF; 10, Moment musicale.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:30 p. m., Charlie Kerr and his orchestra; 7:30, Snellenburg instrumental trio; 8, theater digest; 8:10, The Three Brothers; 8:25, Peter Ricci, baritone; 8:45, Higgins and Burke, song writers; 9, Kuehnle's artists; 9:30, Robert Fraser, blind gospel singer; 10, recital; 10:15, Eddie Malle and entertainers; 10:30, Cathay Tea Garden dance orchestra.

WCSH, Portland, Me. (256.3m-1170kc), 8 p. m., WEAF.

WEAF, New York, N. Y. (491.5m-610kc), 6 p. m., dinner music; 8, Grand Prize Eurekas, WEEI, WFI, KSD, WCAE, WWJ, WCSH, WSAI, WTAG, WGR, WCCO, WOC, WTAM, WJAR; 8:30, Gold Dust Twins, WEEI, WFI, WCAE, WGR, WWJ, WOC, WCSH, WJAR, WCCO, WLIB, WTAM, KSD; 9, Eveready hour, WEEI, WFI, WCAE, WGR, WWJ, WOC, WCSH, WJAR, WCCO, WLIB, WTAM, KSD; 9, Eveready hour, WEEI, WFI, WCAE, WGR, WWJ, WOC, KSD, WJAR, WCCO, WTAG, WGN, WTAM, WSAI; 10, Moment musicale; 10:30, Ben Bernie and his orchestra; 11-12, Buffalodians dance orchestra.

WEBJ, New York, N. Y. (272.6m-1100kc), 7 p. m., Dan Barnett's orchestra; 7:30, Luna's Knickerbocker Grill orchestra; 8, R. R. talk; 8:15, Blanche and Hugh Ramsaur, duets; 8:30, Lunas Marine band.

WEEI, Boston, Mass. (348.6m-860kc), 6:20 p. m., George Joy, Neil Cantor; 7:30, Minute men; 8, WEAF.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra; 8, WEAF; 8:30, WEAF; 9, WEAF; 10, Variety Half Hour; 10:30, Vincent Lopez and his orchestra.

WGBS, New York, N. Y. (315.6m-950kc), 7 p. m., Arrowhead Inn concert orchestra; 8, play, "Midsummer Night's Dream;" musical monologue, Mercedes Desmore; 8:45, Pauline Watson, violinist; T. Edgar Schewe, pianist; 10:15, Leonard Sazon, tenor; 10:30, Arrowhead Inn orchestra.

WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., Vincent Lopez Hotel Statler dance orchestra; 8, WEAF.

WHAR, Atlantic City, N. J. (275.1m-1090kc), 8 p. m., Seaside hotel trio.

WHN, New York, N. Y. (361.2m-830kc), 6:30 p. m., Everglades orchestra; 7:30, Will Oakland's Chateau; 8, Treasureland Neighbors; 8:45, Price Piotto, songs; 9:30, Loew's 83rd St. orchestra; 10, Universal trio; 10:30, Strand Roof orchestra; 11, standing by; 11:30, Sophie Tucker's Playground; 12, Country club orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 7, Uncle Wip's bedtime stories; songs, Margaret Keenan; 8, concert from Marine studio; 8:30, Murphy's Minstrels; 9, Chalfont-Haddon Hall dual trio; 10, Creatore and his band; 10:15, Royal Mountain Ash Welsh male chorus; 10:30, popular and classic piano recital, Karl Bonawitz; 11, Joseph Samuels dance orchestra; 11:30, Silver Slipper supper club; Eddie McKnight's dance orchestra.

WJAR, Providence, R. I. (305.9m-980kc), 7:30 p. m., musicale; 8-10, WEAF.

WJZ, New York, N. Y. (454.3m-660kc), 8 p. m., One-up Cut-ups; 8:30, Deltah Pearl hour; 9, Breyer hour; WRC; 10, the Grand Tour, "Shopping in Europe," WGY, WRC; 10:45, George Olsen's Hotel Pennsylvania Roof orchestra.

WMAK, Buffalo, N. Y. (265.3m-1130kc), 10:30 p. m., Beaver Products company, WGY, WFBL, WHAM.

WMCA, New York, N. Y. (340.7m-880kc), 7 p. m., Hofbrau Haus entertainers; 8:15, Muscle Shoals; 8:30, California Ramblers; 9, Paul Whitman's Beau Rivage orchestra; 9:30, Columbia Park entertainers; 11, Ernie Golden and the Hotel McAlpin orchestra; 12, McAlpin entertainers.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., concert.

WOR, Newark, N. J. (405.2m-740kc), 6:40 p. m., Hotel Bretton Hall string ensemble.

WPG, Atlantic City, N. J. (299.8m-1000kc), 7 p. m., Hotel Traymore dinner music; 7:45 fashion flashes; 8, Marine studio; 8:30, Murphy's Minstrels; 9, Chalfonte-Hadden Hall Dual trio; 10, Creatore and his band; 10:15, Royal Mountain Ash Welsh male chorus; 10:30, Karl Bonawitz; 11, dance orchestra; 11:30, Silver Slipper Supper club.

WTAG, Worcester, Mass. (267.7m-1120kc), 8-8:30 p. m., WEAF; 8:30-9, announced; 9-11:30, WEAF.

Eastern Standard or Central Daylight Saving Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 8:30 p. m., sacred song half hour; 9, Symphony players; Mrs. Ed. O. Tabor, soprano; 10:35, Grand theater program.

WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., WBAL dinner orchestra; 8-9, Hilda Hopkins Burke, soprano; Celia Brace, violinist; George Bolek, pianist; 9-10, Baltimore City Park orchestra.

WBBM, Chicago, Ill. (225.4m-1330kc), 8-9:30 p. m., Alemite orchestra; 9:30-10, Moss Covered melodies; 10-11:30, variety hour; 11:30-12, Supper club.

WBZ, Springfield, Mass. (333.1m-900kc), 6 p. m., Bob Patterson's trio; 8, movie club; 9, Greenfield hour, vocal and instrumental selections.

WCBD, Zion, Ill. (344.6m-870kc), 9 p. m., Zion band, mixed quartet; Mrs. G. R. Sparrow, contralto; G. R. Sparrow, tenor; Alize Peters, violinist.

WEAO, Columbus, Ohio (293.9m-1020kc), 7:15 p. m., music; 7:30, one-act play; 8:45, Fraternity orchestra.

WEBH, Chicago, Ill. (370.2m-810kc), 7-8 p. m., Edgewater Beach hotel Oriole orchestra; Kathryn Forbes; Lydia Lochner; 9:10-10, Uptown theater; 11-12:30, Cook Sisters, orchestra; Harmony singers.

WENR, Chicago, Ill. (265.3m-1130kc), 6-7 p. m., Rauland lyric trio; 8-9, Arthur Dunas popular program; 8-10, All-American Pioneers.

WGHP, Detroit, Mich. (270.1m-1110kc), 8:15 p. m., Skylark dance band; Gladys Sanderson and her uke, Gerald Marks' orchestra.

WGN, Chicago, Ill. (302.8m-990kc), 6:30-7 p. m., Blackstone string quintet, Drake concert ensemble; 8-9, WEAF; 9-10, "Arabian nights"; 10, Sam 'n' Henry, 10:40-11, musical program, ensemble.

WGY, Schenectady, N. Y. (379.5m-790kc), 6:45 p. m., WGY orchestra; 7:30, WJZ; 8, WGY orchestra; 9, WJZ; 9:30-10:30, Beaver hour, WMAK, WHAM.

WHT, Chicago, Ill. (399.8m-750kc), 7 p. m., organ recital, Al Carney; 7:40, chapel; 10:15 (238m-1260kc), Cinderella cafe orchestra; 10:50 (399.8m-750kc), Pat Barnes and Al Carney; Bell Canto male quartet; 12, U. S. L. half hour of dance music.

WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., dinner concert, Chester Newman, baritone; Charlotte Edwards, contralto; Eugene Wallenius; 12, Ted Fiorito, Dan Russo, Marie Tully, Wayne Myers, Jack Goodwin, Harry Brooker.

WJAZ, Chicago, Ill. (329.5m-910kc), 9-12 mid., Earl Hoffman's Chez Pierre orchestra; The Quips That Pass in the Night; Frances Rosemary Scheib, soprano; Henrietta Nolan, violinist; William Hayden, tenor.

WJJD, Mooseheart, Ill. (370.2m-810kc), 5:30-7 p. m., dinner concert; Jock Nelson; Howard Peterson, organist; Palmer House symphony players; Victorians; 8-9, child artists; 10-11, Victorians; 12:30 a. m., Settin' Up hour.

WJR, Pontiac, Mich. (526.9m-580kc), 7 p. m., Glover Watson, old-time dance orchestra; 8, Tom Bartel's Boys; 9, Jean Goldkette's orchestra.

WKRC, Cincinnati, Ohio (422.3m-710kc), 10 p. m., Eugene Perazzo, organist; 11, Doc Howard's Cuvier WKRC entertainers; 11:30, Bert Lindsay, popular song hour; Abe Farb; Kern Aylward, Merrel J. Schwarz.

WLIB, Chicago, Ill. (302.8m-990kc), 7-7:05 p. m., Million Sing; 7:05-7:15, Old-fashioned almanack; 7:15-7:30, dinner music; 7:30-8, WEAF; 11-11:20, Correll and Gosden; 11:20-1 a. m., Liberty studio ensemble; Ambrose Larsen, organist; Tommy Thatcher's dance orchestra; Purple Grackle orchestra.

WLW, Cincinnati, Ohio (422.3m-710kc), 7:30 p. m., "Piano Memories," Clifford Lang; 8, choral music, Eucharistic concert in Chicago, direction of John J. Fehring; 9, concert, Formica orchestra, direction of Wm. C. Stoess.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Hotel La Salle orchestra; 8:40, music; 9:20, Tuskegee quartet.

WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon ensemble; Genevieve Burnham; 9-11, Trianon orchestra; Joe Warner.

WOK, Chicago, Ill. (217.3m-1380kc), 4:30-6 p. m., Capitol theater organ; tenor; string ensemble; 6-7, Tip Top Inn; 10-1:30 a. m., Tearney's Town club orchestra; Pershing Palace orchestra; Midway Garden orchestra; Capitol theater program, studio program.

WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9 p. m., Ye Olde Tyme Songe Feste; 9:30, Regent Grand orchestra; 9:45, Melissa Dvorak, pianist; 10:05, studio program.

WORD, Batavia, Ill. (275.1m-1090kc), 7 p. m., Public Service company of Northern Illinois; 9, musicale, 11, program.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Gardens orchestra; 10-2 a. m., Rainbo Gardens orchestra; Jerry Sullivan; Bert Davis; Collegiate quartet; Romo Vincent, boy baritone; Will Rossiter; Johnny Poat, baritone.

WRC, Washington, D. C. (468.5m-640kc), 7 p. m., Radio School of International Relations; 7:30, WJZ; 8, WJZ; 9, WJZ; 9:30, to be announced; 10:30, Meyer Davis' Le Paradis band.

WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., Speed-Wagon serenaders; Gold Standard ensemble; 8:15, Reo Motor Car company band.

WSAI, Cincinnati, Ohio (325.9m-920kc), 7 p. m., WEAF; 7:30, musicale; 8, WEAF; 9, WSAI program.

WSWS, Chicago, Ill. (275.1m-1090kc), 6 p. m., Josephine Oliver, violinist; Zola Haynes, dulcetone; W. A. Dyckman, bass; Terrace Gardens orchestra; 8, Cook Sisters; Jean St. Anne; Christian A. Grimm, pianist; Gus Edwards orchestra; 10, Terrace Gardens quintet; Zola Haynes; 12-1 a. m., Witching hour.

WTAM, Cleveland, Ohio (389.4m-770kc), 6 p. m., State theater vaudeville; 7-10, WEAF; 10, studio program; 11, Euclid Beach Park orchestra.

WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7, WEAF.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., dinner concert; 8:05-10:30, U. of Nebraska.

KFDM, Beaumont, Tex. (315.6m-950kc), 7:30-8 p. m., orchestra; 8-9, Magnolia Petroleum Company's Refinery orchestra.

KFH, Wichita, Kan. (267.7m-1120kc), 6:30-7 p. m., Wichita Eagle, J. O. Adams piano playing contest; 7-8, music.

KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., orchestra, Griswold, Iowa; 8, Farm Bureau Fremont company.

KLDS, Independence, Mo. (440.9m-680kc), 8 p. m., classical program, Virginia Henry.

KMA, Shenandoah, Iowa (252m-1190kc), 9-11 p. m., May's Mandolin musicians.

KMMJ, Clay Center, Nebr. (228.9m-1310kc), 6 p. m., band concert.

KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., recital, Jacquinot Jules, organist; 8, Ed Goessling, baritone; orchestra, light opera selections; 9, soloists; 9:30, Gordon Morrison, guitarist; songs, F. Anderson; 10, chimes, orchestra, soprano.

KOIL, Council Bluffs, Iowa (278m-1080kc), 6:03 p. m., Ukulele Rag-Pickers; 6:30, Randall's Royal orchestra; 7:30, Wilson Doty; 8, Marie Salisbury, violinist; Olivetta Salisbury, pianist; Kathryn Skinner, pianist; 11, Hotsy-Totsy hour.

KPRC, Houston, Tex. (296.9m-1010kc), 7:30 p. m., Billie Mack's orchestra; 8:30, C. D. Baxtresser, tenor; 8:45, Larry Kelly and Mike Gomez; 9, Winnie Wetenkamp, pianist; Jessie Culpepper.

KSO, Clarinda, Iowa (241.8m-1240kc), 8 p. m., music; 8:15, Shorty Stoon orchestra.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10-9:30 p. m., vocal solos, Mrs. Charles Caldwell; 9:30-10:30, New Arlington hotel orchestra.

KVOO, Bristow, Okla. (374.8m-800kc), 6-9 p. m., Jimmie Wilson and his Catfish string band.

KYW, Chicago, Ill. (535.4m-560kc), 6 p. m., Chicago Evening American studio; 7, program, Congress hotel; 8-9:30, classical concert; 9:30-10:30, Congress carnival.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6 p. m., WEAF; 8, musicale.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., Billy Adair's orchestra; 11:45-1 a. m., Zez Confrey's orchestra; Billy Adair's orchestra; Johnnie Campbell's orchestra; Earl Thursten, organist.

WFAA, Dallas, Tex. (475.9m-630kc), 6:30-7:30 p. m., Honey Boys' orchestra; 8:30-9:30, Anna Majer Rapley, pianist; 11-12, Jimmy Joy's orchestra.

WGBF, Evansville, Ind. (236.1m-1270kc), 7 p. m., Old Fiddlers; 8, musicale.

WHAS, Louisville, Ky. (399.8m-1000kc), 7:30-9 p. m., Carl Zoeller's Melodists.

WHB, Kansas City, Mo. (365.6m-820kc), 7-7:30 p. m., Morrill Moore, organist; 8-9:30, musicale.

WHO, Des Moines, Iowa (526m-570kc), 7:30-8 p. m., Raleigh quartet; 8-9, varied musicale.

WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Walter Moore; 11, Britling's Cafeteria orchestra.

WOAI, San Antonio, Tex. (394.5m-760kc), 8:30 p. m., Gerbhardt Mexican players.

WOAW, Omaha, Nebr. (526m-570kc), 6 p. m., Hugo G. Heyn, xylophonist; 6:50, orchestra; 9, program, Hannan-Vant Brunt company; 10:10, Radio review.

WOC, Davenport, Iowa (483.6m-620kc), 5:45-5:55 p. m., chimes concert; 6-8, WEAF; 8-9, Pettit's Banjo Strummers.

WRR, Dallas, Tex. (245.8m-1220kc), 6-7 p. m., Jack Gardner's orchestra; 8-9, musicale, Montgomery studio.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., concert; 10:45, concert.

WSM, Nashville, Tenn. (282.8m-1060kc), 8 p. m., Shrine program.

WSOE, Milwaukee, Wis. (245.8m-1220kc), 7 p. m., Elks club studio; 8:45, movie review; 9, classical musical features.

Mountain Standard Time Stations

CNRR, Regina, Can. (312.3m-960kc), 8 p. m., Nighthawks' orchestra.

KFXF, Colorado Springs, Colo. (250m-1200kc), 8 p. m., Alice Atkins, soprano; Evelyn Bissell, pianist; Wilhelm Schmidt, pianist.

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra; 8:30, International Rotary club; 10, Baldwin artists' ensemble, Marie Sweet, soprano; Kathleen Ryan, contralto; Dan Baker, tenor; Frank Bennett, bass; Edythe Sackett, pianist.

Pacific Standard Time Stations

CNRV, Vancouver, Can. (291.1m-1080kc), 9 p. m., British Columbia musical festival; 10:30, Cabaret Belmont orchestra.

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Virginia Ballroom orchestra; 8-9, Screen Artists string

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Wednesday, silent night for: CKAC, CKNC, CNRA, CNRC, CNRE, CNRM, CNRR, CNRT, CNRV, KFXF, KGO, KLDS, KMMJ, KOIL, KPSN, KSAC, KTAB, WABQ, WBAL, WBAP, WBBR, WCBD, WFAA, WGBF, WGBS, WGCP, WHAR, WHAZ, WIP, WJAZ, WLWL, WMC, WOAI, WOAW, WPG, WRC, WRR, WSUI.

EDUCATIONAL FEATURES

Monday

Atlantic	Eastern	Central	Mountain	Pacific
6:30 p. m.	5:30	4:30	3:30	2:30

WNYC (526m-570kc), German lessons, V. H. Berlitz.

8	7	6	5	4

WDAF (365.6m-820kc), School of the Air.

10:30	9:30	8:30	7:30	6:30

WHAZ (379.5m-790kc), Educational talk.

1:15 a.m.	12:15	11:15	10:15	9:15

KGO (361.2m-830kc), Educational features.

Tuesday

Atlantic	Eastern	Central	Mountain	Pacific
8 p. m.	7	6	5	4

WDAF (365.6m-820kc), School of the Air.
WEAO (293.9m-1020kc), Bird talks.

10	9	8	7	6

KUOA (299.8m-1000kc), U. or Ark.
WMAQ (447.5m-670kc), Lecture, University of Chicago.

12 m.	11	10	9	8

KTAB (239.9m-1250kc), Mills college.

Wednesday

Atlantic	Eastern	Central	Mountain	Pacific
6:30 p. m.	5:30	4:30	3:30	2:30

WNYC (526m-570kc), Spanish lesson, V. H. Berlitz.

8	7	6	5	4

WDAF (365.6m-820kc), School of the Air.

8:30	7:30	6:30	5:30	4:30

WBZ (333.1m-900kc), Radio Nature league.

Atlantic	Eastern	Central	Mountain	Pacific
9 p. m.	8	7	6	5

WEAO (293.9m-1020kc), "Atoms and Stars."
WHB (365.6m-820kc), Automotive talk.
WMAQ (447.5m-670kc), Lecture, Northwestern university.

11:30	10:30	9:30	8:30	7:30

KHJ (405.2m-740kc), Astronomy.

Thursday

Atlantic	Eastern	Central	Mountain	Pacific
8 p. m.	7	6	5	4

WDAF (365.6m-820kc), School of the Air.

9:45	8:45	7:45	6:45	5:45

WOI (270.1m-1110kc), Educational opportunities.

10	9	8	7	6

WMAQ (447.5m-670kc), U. of C. lecture.

Friday

Atlantic	Eastern	Central	Mountain	Pacific
6:30p.m.	5:30	4:30	3:30	2:30

WNYC (526m-570kc), French lesson.

7:45	6:45	5:45	4:45	3:45

WTIC (475.9m-630kc), Cartoon lessons, Bud Kingston.

8	7	6	5	4

WDAF (365.6m-820kc), School of the Air.
WOAW (526m-570kc), "Musical Appreciation," Hester Bronson Copper.

10	9	8	7	6

WMAQ (447.5m-670kc), U. of Chicago.

11:45	10:45	9:45	8:45	7:45

KFWB (252m-1190kc), Nature talk.
KOAC (280.2m-1070kc), Oregon Agricultural college.

quartet; 9-10, grand opera program; 10-11, Packard Radio club.
KFWB, Hollywood, Calif. (252m-1190kc), 6-7 p. m., Pontiac Six dinner hour; 8-9, program, Richard Hellman, Inc.; 9-10, program, American Brake Testing Machine company; 10-11, Warner Brothers frolic.
KGO, Oakland, Calif. (361.2m-830kc), 8-9 p. m., Eveready program, Virginia Grayson, soprano; Carl Anderson, tenor; musical novelty, "Wanted: A Quartet;" 9-10, Pilgrims' hour; Grace LePage, soprano; 10-12, Madson's Midshipmen.
KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 10-12, dance music, Multnomah hotel, Herman Kenin's dance orchestra; Curt Kramer, pianist.
KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., weekly visit of Queen Titania and the Sandman; 8-10, Times de luxe program; 10-11, dance music.
KJR, Seattle, Wash. (384.4m-780kc), 8:30-10 p. m., Puget Sound Savings and Loan association orchestra, 10-11, Nute Motor company studio program.
KNX, Hollywood, Calif. (336.9m-890kc), 7-7:45 p. m., program, Geo. E. Reed, Inc.; 8-9, program, Builders' Finance association; 9-10, program, Western Auto Supply company; 10-12, movie night, Ambassador, Ray West's Cocoanut Grove orchestra.
KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7 p. m., States Restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel orchestra; 8-9, John Philpott's Midshipmen; 9-10, Mona Motor Oil trio; Gypsy and Marta; 10-11, Palace Hotel Rose Room dance orchestra.
KPSN, Pasadena, Calif. (345.6m-950kc), 6-6:15 p. m., dinner time news; 8-9, Star-News concert; George Frenger, tenor.

Wednesday, June 16

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
7:33 p. m.	6:33	5:33	4:33	3:33

WBZ (333.1m-900kc), Musical Mirth Makers.

9	8	7	6	5

KFH (267.7m-1120kc), American Legion band.

9:15	8:15	7:15	6:15	5:15

WEAO (293.9m-1020kc), Holliday string trio.

10:15	9:15	8:15	7:15	6:15

WHO (526m-570kc), Original Larks.

10:30	9:30	8:30	7:30	6:30

KFAB (340.7m-880kc), Cowbell Boys.

11	10	9	8	7

KMA (252m-1190kc), Singing and Clogging.
WDAF (365.6m-820kc), Ivanhoe band.

11:30	10:30	9:30	8:30	7:30

KPRC (296.9m-1010kc), Lillian Richards, song bird.

1 a. m.	12 m.	11	10	9

WSWS (275.1m-1090kc), Witching hour.
WTAG, Worcester, Mass. (267.7m-1120kc), 8-8:30 p. m., WEAF; 8:30-10, musicale; 10-11, WEAF.

Eastern Standard or Central Daylight Saving Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 5:30 p. m., dinner concert, Giles Everglades club orchestra; 7:30, The Gondoliers.
WBBM, Chicago, Ill. (225.4m-1330kc), 8-10 p. m., popular period; 12, Nutty club.
WBZ, Springfield, Mass. (333.1m-900kc), 6:33 p. m., Musical Mirth Makers; 6:45, M. A. C. Radio forum, 8, Max Krulee's orchestra; 8:30, Helen Hudson, soprano; Joseph Waas, baritone; 9, Waltham Watch company band.
WCAP, Washington, D. C. (468.5m-640kc), 7-7:30 p. m., WEAF; 7:30-8, outdoor concert, U. S. Army band; 8-9, WEAF; 9-10, WEAF; 10-10:30, announced; 10:30-12, dance music.
WEAO, Columbus, Ohio (293.9m-1020kc), 8:15 p. m., Holliday string trio; 9:15, Fraternity orchestra.
WEBH, Chicago, Ill. (370.2m-810kc), 7-8 p. m., Osborn's orchestra; Florence Behrend; Frank Greif, Frank Bordner; 9-10, Osborn's orchestra; Frank Bordner; Lawrence Salerno; 11-12:30, orchestra; Kay Ronayne, Florence Behrend.
WENR, Chicago, Ill. (265.3m-1130kc), 6-7 p. m., Rauland lyric trio; 8-10, All-American Pioneers; 12-2 a. m., midnite frolic.
WGES, Oak Park, Ill. (249.9m-1200kc), 5-7 p. m., Paradise plane; 8-9, Frank Sylvano, Louis Panico, Guyon's Paradise ballroom orchestra; Melody Girls; 11-1 a. m., Casey and Gervais; Ray Dean, Fay Dillon, Pat Ryan, Louis Panico, Guyon's Paradise ballroom orchestra.
WGHB, Clearwater, Fla. (265.3m-1130kc), 8:30-10 p. m., Rex Dantzler, tenor; Mrs. Frank Delemater, contralto; Eldon McMullen, pianist.
WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert; 7:35, children's hour; 8-10, Little Symphony orchestra; male quartet; Madame Gizi Szanto, pianist; 12-1, Gerald Marks' orchestra.
WGN, Chicago, Ill. (302.8m-990kc), 6:35-7 p. m., Blackstone string quintet; 9-10, grand opera selections; 10-10:10, Sam 'n' Henry; 10:10-10:20, studio music; 10:30-12:30, Pepper Party.
WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., Eastman theater orchestra, WHAM; 7:05-9, musicale, WHAM.
WHT, Chicago, Ill. (399.8m-750kc), 7:10 p. m., organ; 7:50, chapel; 8:30-10:15 (238m-1260kc), Cinderella cafe orchestra; 11 (399.8m-750kc), Art Becker, pianist; Al and Pat; 12 midnight, Your Hour league.
WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., Dorothy Rae, soprano; Charles Champlin, baritone; Evelyn Elliott, contralto; Frank Greif, tenor; trio, 10-12, Marie Tully, Wayne Myers, William Molnaire, Cramer and O'Grady; Elsie Orr; Lenore Friedman, Pearl Holtzman.
WJJD, Mooseheart, Ill. (370.2m-810kc), 5:30-7 p. m., dinner concert; Jack Nelson; Howard Peterson, organist; symphony players, Victorians; 8-9, child artists, solos, bands; 10-11, Victorians, Isabel Defaut, R. Thomas; 12:30 a. m., Settin' Up hour.
WJR, Pontiac, Mich. (526m-580kc), 7 p. m., Jean Goldkette's Petite symphony orchestra; 7:45, Goodwill Oakland; 9, Jean Goldkette's orchestra; 11, Murphy Brothers organ; 12 midnight, Merry Old Chief, Jewett Radio Jesters.
WKRC, Cincinnati, Ohio (422.3m-710kc), 6 p. m., Alvin Roehr and his Hotel Alms orchestra; 8:15, Gene Perazzo, pianist; 8:30, Oliver Plunkett, tenor; 9, string ensemble; 12, popular songs; 12:30, Wesley Helvey and his La Vista orchestra.
WLIB, Chicago, Ill. (302.8m-990kc), 7-7:05 p. m., million sing; 7:15-7:30, dinner concert; 7:30-7:50, Pattison Coates, baritone; Edward Barry, pianist; 7:50-8, Auld Sandy; 8-9, WEAF; Ambrose Larson, organist.
WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., dinner hour concert, Hotel Gibson; 7:40, Hotel Gibson concert; 10, Thorobred entertainment; 11, Cincinnati Post program.
WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Hotel La Salle orchestra; 8:30, Whitney trio; 9, WMAQ players, chimes.
WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon duo; 9-11, Trianon orchestra; artists.
WOK, Chicago, Ill. (217.3m-1380kc), 4:30-7 p. m., Capitol theater organ; studio program; Tip Top Inn string ensemble; 10-1:30 a. m., Tearney's Town club orchestra; Pershing Palace orchestra; Midway Garden orchestra; Capitol theater program.
WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9 p. m., 16-Fingered Paul; Helen Neuman; Jim Forshey, Ruth Glaser, Pearl Knudson, Sid Goldman, Chuck Helwegen's Ramona Gardens orchestra; 9:30, Sawutime program, 10:05, Atwater Kent hour.
WORD, Batavia, Ill. (275.1m-1090kc), 7 p. m., North Shore line; 9, I B. S. A. choral singers.
WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Gardens orchestra; 10-2 a. m., Rainbo Gardens orchestra; Melodians; Joe Warner, character songs.
WRC, Washington, D. C. (468.5m-640kc), 5-6:30 p. m., U. S. Marine band.
WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., Speed-Wagon serenaders; Gold Standard ensemble.
WRVA, Richmond, Va. (256.3m-1170kc), 9:15 p. m., musical program; 10, organ and chimes recital; 11, Carry Me Back to Old Virginny.
WSAI, Cincinnati, Ohio (325.9m-920kc), 6:45 p. m., chimes; 7, WEAF; 7:30, WEAF; 9, WEAF; 10, Congress Playing card string quartet.
WSWS, Chicago, Ill. (275.1m-1090kc), 6 p. m., Josephine Oliver, Terrace Garden orchestra; 8, Cecil and Esther Ward, Nel and Lucille Cook; Edward Holt, Clinton Keithley; Terrace Gardens orchestra; 10, Terrace Gardens quintet; Josephine Oliver, Lucille Dar-mond; Joe Coffee; Dave Darcie, ballads; Osborne Sisters; 12, Witching hour.
WTAM, Cleveland, Ohio (389.4m-770kc), 6:15 p. m., Hotel Cleveland orchestra; 7:30, WEAF; 8, Public Auditorium program.
WTIC, Hartford, Conn. (475.9m-630kc), 5:30 p. m., Bond trio; 7:30, Capitol theater orchestra; 8, Travelers Jongleurs; 9, Carroll's Palais Royal dance orchestra.
WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7, WEAF; 7:30, News orchestra; 8, dance program; 9, WEAF.

Central Standard Time Stations

CNRW, Winnipeg, Can. (384.4m-780kc), 9 p. m., Fort Garry hotel trio; Emile Mignacca, violinist; Arthur T. Diehl, tenor; Eveline Wildgoose, pianist; Frank Redlich, cellist; Eleanor Williams Edmond, contralto.
KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., dinner concert; 8:30-10:30, Cowbell Boys; Little symphony orchestra; Harmony Boys entertainers.
KFH, Wichita, Kan. (267.7m-1120kc), 6:30-7 p. m., piano playing contest; 7-8, American Legion.
KFKX, Hastings, Nebr. (288.3m-1040kc), 9-11 p. m., musicale, Lincoln, Nebr.
KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., concert.
KMA, Shenandoah, Iowa (252m-1190kc), 9-11 p. m., popular musicale; singing and clogging, Bob and Babe Riddle.
KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., dinner time recital, Jacquinot Jules, organist; 7-8:30, Shut-in entertainers, Minna and Ida Moerschell, orchestra; 8:30-9:30, orchestra, light opera selections, song cycle; 9:30-11:40, Trumpet flourish; drama, "The Dust of the Road;" orchestra.
KPRC, Houston, Tex. (296.9m-1010kc), 7:30 p. m., C. J. Sherman, baritone; 7:45, Jack Willrich's orchestra; Virginia Willrich, piano-accordionist; 8:40, Coralie Gregory, contralto; Mrs. W. R. Shriner, Jr., pianist; 9, Frank Tilton, blind wonder boy pianist.
KSO, Clarinda, Iowa (241.8m-1240kc), 8 p. m., M. E. church quartet.
KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10-10 p. m., Clyde Foley, tenor; New Arlington hotel stringed quartet; 10-10:45, Ray Mullins orchestra.
KVOO, Bristow, Okla. (374.8m-800kc), 6-9 p. m., Radio trio; Mascho, Cunningham, Mascho.
KYW, Chicago, Ill. (535.4m-560kc), 6 p. m., musicale program; 8-9:30, classical concert; 9:30-11, Congress carnival.
WAMD, Minneapolis, Minn. (243.8m-1230kc), 7:15 p. m., classical program; Emil Edwards, violinist; Alma Edwards, mezzo-soprano; Etta Landry, pianist; 10, Gould banjo club; 11, Skyrocket frolic.
WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6-8 p. m., WEAF; 8, All Saints Episcopal church; 9, musicale; 10:05, Wallie Erickson's Coliseum orchestra; 11:30, Eddie Dunstedter, organist.
WCOA, Pensacola, Fla. (222m-1350kc), 7-10 p. m., Pensacola Philharmonic orchestra; Prof. John Borjes, violinist; Anita O. Villar, vocalist.
WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., Zez Confrey's orchestra; 8-9, Hotel Muehlebach orchestra; 9-10, Ivanhoe band; 11:45-1 a. m., Nighthawk frolic.
WHAS, Louisville, Ky. (399.8m-1000kc), 7:30-9 p. m., Knickerbocker club orchestra.
WHB, Kansas City, Mo. (365.6m-820kc), 10:30-11:30 p. m., midweek Radio feature.
WHO, Des Moines, Iowa (526m-570kc), 6-7 p. m., Bankers Life Little symphonic orchestra; 7:15-8:15, Irene Dorans Little symphony orchestra; 8:15-9, Original Larks; Harry Lewis, soloist; Norman Brokolm, pianist; Kate Miller, whistler; Maude Hughes, accompanist; 9-11, program, Riverview Park; 11-12, Bankers Life Corn Sugar orchestra.
WOAI, San Antonio, Tex. (394.5m-760kc), 8:30 p. m., Army night program.
WOC, Davenport, Iowa (483.6m-620kc), 5:45-5:55 p. m., chimes concert; 6-8, WEAF; 9:30-10:30, musical program, Erwin Swindell, organist.
WOS, Jefferson City, Mo. (440.9m-680kc), 8:05 p. m., Jack Lindley and Noel Wrightman.
WSB, Atlanta, Ga. (428.3m-700kc), 10:45 p. m., concert.
WSBT, South Bend, Ind. (275.1m-1090kc), 7-9:30 p. m., concert.
WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., dinner concert, Andrew Jackson Hotel trio; 8, Dorothy Overall and Mildred Cisco, pianists; Sam Woolwine, baritone; 10, Mary White Guill, soprano; Mrs. Robert Caldwell, contralto; Amanda Caldwell, violinist; Ellen Caldwell, pianist.
WSMB, New Orleans, La. (319m-940kc), 8:30 p. m., Robert Bryon, Jr., baritone.
WSOE, Milwaukee, Wis. (245.8m-1220kc), 7 p. m., Elks club studio; 9, educational program.

Mountain Standard Time Stations

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra; 8, Scheuerman's Colorado orchestra; 8:15, Rotary International, KOA orchestra; quartet; Mrs. Allen Street, soprano; Mrs. Raymond M. Havens, contralto; Hollywood male quartet; 9, International Rotary club.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-7:30 p. m., Grebe Synchrophase string ensemble; 7:30-8, Nick Harris detective story; 8-9, program, California Petroleum corporation; 9-10, Pat O'Neal, baritone; Dolores Mason, concert pianist; 10-11, Charles Beauchamp, tenor and others.
KFWB, Hollywood, Calif. (252m-1190kc), 6-7 p. m., Pontiac Six dinner hour; 7:30-8, program, Corduroy Tire Stores, Inc.; 8-9, Bill Hatch's Oakmont Country club orchestra; 9-10, program, Pacific Development company; 10-11, Warner Brothers frolic.
KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-9, concert; 9-10, concert, vocal and instrumental.
KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., Uncle John and the children; 8-10, de luxe program; 10-11, dance music.
KLX, Oakland, Calif. (508.2m-590kc), 9-10 p. m., special program.

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Four stations, KYW
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Papal Legate, June
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21; the men's servi
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June shows no su
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Tuesday, J

Headliners

Atlantic	Eastern	Central	
7:30 p. m.	6:30	5:30	
CNRA (312.4m-960kc), Springl			
8:30	7:30	6:30	
WEAO (293.9m-1020kc), One matic club.			
WPG (299.8m-1000kc), Murph			
9	8	7	
WBAL (245.8m-1220kc), Balt chestra.			
WGBF (236.1m-1270kc), Old Fidd			
9:30	8:30	7:30	6:30
WHAS (399.8m-1000kc), Carl Zoeller's M			
10	9	8	7
WOC (483.6m-620kc), Pettit's Banjo Str			
KDKA (309.1m-970kc), Folk songs of the			
10:45	9:45	8:45	7:45
KPRC (296.9m-1010kc), Harmony Boys.			
11	10	9	8
CNRV (291m-1080kc), British Columbia m val.			
12 m.	11	10	9
KGO (361.2m-830kc), Musical interpre Romeo and Juliet.			

Tuesday, silent night for: CFCA, CK CNRE, CNRM, CNRO, CNRT, CNRW, KF KFWA, KOA, KOAC, KOB, KOWW, KS KWSC, WABQ, WAHG, WAMD, WBB WGCP, WHA, WHAZ, WLWL, WOR, WC WSUI, WTAM, WTIC.

Atlantic or Eastern Daylight Time Stations

CKAC, Montreal, Canada (410.7m-730kc), Windsor hotel dinner concert; 8:30, C. P Montrose members of National entertainm tion of London; 10:30, Windsor hotel danc

CNRA, Moncton, Canada (312.4m-960kc), Springhill choral night; 11, CNRA orche

WCAE, Pittsburgh, Pa. (461.3m-650kc), 6 dinner concert, William Penn hotel; 8, W WEAF; 9, WEAF; 10, Moment musicale.

WCAU, Philadelphia, Pa. (277.6m-1080kc), Charlie Kerr and his orchestra; 7:30, Sne strumental trio; 8, theater digest; 8:10, Brothers; 8:25, Peter Ricci, baritone; 8: and Burke, song writers; 9, Kuehnle's a Robert Fraser, blind gospel singer; 10, re Eddie Malle and entertainers; 10:30, Catha den dance orchestra.

WCSH, Portland, Me. (256.3m-1170kc), 8 p.

WEAF, New York, N. Y. (491.5m-610kc), 6 ner music; 8, Grand Prize Eurekas, WEEI, WCAE, WWJ, WCSH, WSAI, WTAG, W WOC, WTAM, WJAR; 8:30, Gold Dust Tw WFI, WCAE, WGR, WWJ, WOC, WC WCCO, WLIB, WTAM, KSD; 9, Everea WEEI, WFI, WCAE, WGR, WWJ, WOC, W WJAR, WCCO, WLIB, WTAM, KSD; 9, Everea hour, WEEI, WFI, WCAE, WGR, WWJ, WOC, KSD, WJAR, WCCO, WTAG, WGN, WTAM, WSAI; 10, Moment musicale; 10:30, Ben Bernie and his orchestra; 11-12, Buffaloedians dance orchestra.

WEBJ, New York, N. Y. (272.6m-1100kc), 7 p. m., Dan Barnett's orchestra; 7:30, Luna's Knickerbocker Grill orchestra; 8, R. R. talk; 8:15, Blanche and Hugh Ramsaur, duets; 8:30, Lunas Marine band.

WEEI, Boston, Mass. (348.6m-860kc), 6:20 p. m., George Joy, Neil Center; 7:30, Minute men; 8, WEAF.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra; 8, WEAF; 8:30, WEAF; 9, WEAF; 10, Variety Half Hour; 10:30, Vincent Lopez and his orchestra.

WGBS, New York, N. Y. (315.6m-950kc), 7 p. m., Arrowhead Inn concert orchestra; 8, play, "Midsummer Night's Dream;" musical monologue, Mercedes Desmore; 8:45, Pauline Watson, violinist; T. Edgar Schewe, pianist; 10:15, Leonard Saxon, tenor; 10:30, Arrowhead Inn orchestra.

WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., Vincent Lopez Hotel Statler dance orchestra; 8, WEAF.

WHAR, Atlantic City, N. J. (275.1m-1090kc), 8 p. m., Seaside hotel trio.

WHN, New York, N. Y. (361.2m-830kc), 6:30 p. m., stone string quintet, Drake concert ensemble; 8-9, WEAF; 9-10, "Arabian nights"; 10, Sam 'n' Henry, 10:40-11, musical program, ensemble.

WGY, Schenectady, N. Y. (379.5m-790kc), 6:45 p. m., WGY orchestra; 7:30, WJZ; 8, WGY orchestra; 9, WJZ; 9:30-10:30, Beaver hour, WMAK, WHAM.

WHT, Chicago, Ill. (399.8m-750kc), 7 p. m., organ recital, Al Carney; 7:40, chapel; 10:15 (238m-1260kc), Cinderella cafe orchestra; 10:50 (399.8m-750kc), Pat Barnes and Al Carney; Bell Canto male quartet; 12, U. S. L. half hour of dance music.

WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., dinner concert, Chester Newman, baritone; Charlotte Edwards, contralto; Eugene Wallenius; 12, Ted Fiorito, Dan Russo, Marie Tully, Wayne Myers, Jack Goodwin, Harry Brooker.

WJAZ, Chicago, Ill. (329.5m-910kc), 9-12 mid., Earl Hoffman's Chez Pierre orchestra; The Quips That Pass in the Night; Frances Rosemary Scheib, soprano; Henrietta Nolan, violinist; William Hayden, tenor.

WJJD, Mooseheart, Ill. (370.2m-810kc), 5:30-7 p. m., dinner concert; Jock Nelson; Howard Peterson, organist; Palmer House symphony players; Victorians; chestra, Griswold, Iowa; 8, Farm Bureau Fremont company.

KLDS, Independence, Mo. (440.9m-680kc), 8 p. m., classical program, Virginia Henry.

KMA, Shenandoah, Iowa (252m-1190kc), 9-11 p. m., May's Mandolin musicians.

KMMJ, Clay Center, Nebr. (228.9m-1310kc), 8 p. m., band concert.

KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., recital, Jacquinot Jules, organist; 8, Ed Goessling, baritone; orchestra, light opera selections; 9, soloists; 9:30, Gordon Morrison, guitarist; songs, F. Anderson; 10, chimes, orchestra, soprano.

KOIL, Council Bluffs, Iowa (278m-1080kc), 6:03 p. m., Ukulele Rag-Pickers; 6:30, Randall's Royal orchestra; 7:30, Wilson Doty; 8, Marie Salisbury, violinist; Olivetta Salisbury, pianist; Kathryn Skinner, pianist; 11, Hotsy-Totsy hour.

KPRC, Houston, Tex. (296.9m-1010kc), 7:30 p. m., Billie Mack's orchestra; 8:30, C. D. Baxtresser, tenor; 8:45, Larry Kelly and Mike Gomez; 9, Winnie Wetenkamp, pianist; Jessie Culpepper.

KSO, Clarinda, Iowa (241.8m-1240kc), 8 p. m., music; 8:15, Shorty Steen orchestra.

WSM, Nashville, Tenn. (282.8m-1060kc), 8 p. m., Shrine program.

WSOE, Milwaukee, Wis. (245.8m-1220kc), 7 p. m., Elks club studio; 8:45, movie review; 9, classical musical features.

Mountain Standard Time Stations

CNRR, Regina, Can. (312.3m-960kc), 8 p. m., Nighthawks' orchestra.

KFXF, Colorado Springs, Colo. (250m-1200kc), 8 p. m., Alice Atkins, soprano; Evelyn Bissell, pianist; Wilhelm Schmidt, pianist.

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra; 8:30, International Rotary club; 10, Baldwin artists' ensemble, Marie Sweet, soprano; Kathleen Ryan, contralto; Dan Baker, tenor; Frank Bennett, bass; Edythe Sackett, pianist.

Pacific Standard Time Stations

CNRV, Vancouver, Can. (291.1m-1080kc), 9 p. m., British Columbia musical festival; 10:30, Cabaret Belmont orchestra.

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Virginia Ballroom orchestra; 8-9, Korean Artists string

CHICAGO BROADCASTERS COOPERATE TO GIVE EUCHARISTIC EVENTS

HIGH LIGHTS OF THE AIR

ONE of the biggest broadcasts of the year has been made possible by the Chicago Broadcasters association. Through the unselfish cooperation of these eleven stations fans all over the U. S. unable to attend the Eucharistic Congress in Chicago during the latter part of June may keep in touch with the meeting. Four stations, KYW, WEBH, WLS and WMAQ will broadcast. The events to go out over the ether are briefly, the civic reception of the Papal Legate, June 18, from 8 to 11 p. m., Central daylight saving time; the morning service of welcome at the Holy Name cathedral June 20 and the vespers at 8 p. m.; the Mass of the Angels at Soldiers' Field, an outdoor broadcast which includes a children's choir of 50,000 voices and speeches by important clergy June 21; the men's service June 22; and the procession at Mundelein at 1 p. m. June 24.

June shows no summer lull in important Radio programs at other stations. Tuesday, June 15, marks the return of WIP to its summer home. Among the new features which will remind the listener of fragrant salt sea air are Creatore and his band, Earl Bonawitz and the Silver Slipper club revue.

Young artists, winners of medals in the 1926 British Columbia music festival, will contribute to the success of the June 15 program at CNRV. Many of these young musicians will meet the invisible Radio audience for the first time.

Wednesday evening, June 16, the Travelers Jongleurs, those melodious minstrels of WTIC return to the air bringing with them a newcomer without a name. This Unknown Troubadour is said to have a voice of unusual tenor range.

Turn the aerials westward Thursday, June 17, to pick up a program in San Francisco and a meeting in Los Angeles. Although saxophone solos are not allowed to monopolize the air at KPO, an ensemble of twenty of these instruments will slip past the Radio censor Thursday evening, June 17, and put on a concert at 9 p. m. Pacific time. Harry J. Waters directs this band. The Los Angeles program is a salon and reception in honor of Charles Wakefield Cadman, one of America's foremost composers. Many prominent people will confront the mike of KHJ to show their appreciation of the work of Mr. Cadman. His Indian love lyrics have found a permanent place in American music.

Just as spring brings Mother's Day and everyone remembers it in candy and flowers, so does June 18 bring Father's Day. Even if sons and daughters do not say it in either neckties or socks, WEAF and chain will say it with a special musicale.

Vice-President Dawes, the Swedish Consul and Mayor Dever are only a few of the prominent people of Illinois who will welcome Crown Prince Gustaf Adolf of Sweden to Chicago. The prince will talk in English at 9 p. m. Central daylight saving time over Station WJJD, June 23.

Instead of sitting out in the park among the crowds these warm summer evenings, retire to the cool vine-covered porch and dial for WBAL's Tuesday broadcast of the Baltimore City Park orchestra and the Friday program given by the Municipal band. Both are popular Baltimore organizations.

LEADING lady and director of the WRC players is Madge Tucker, left. Miss Tucker first became a Radio favorite in Washington two years ago while she was telling bedtime stories to the Capital children. Her last great dramatic success was in "The Step on the Stairs." Next year she plans to book the best Radio dramas of the year. Charlotte Meyers, right, is the right-hand man of the Merry Old Chief himself at WJR, Pontiac-Detroit. Her sweet voice has a way of singing itself into the heart of many a Radio fan and her popularity shows in her applause mail. Below are two very serious entertainers at WHAD. No, Milwaukee is not what it was. Perhaps that is the reason Doc Dorword, right, looks so sad. However, Wally Seitz is cheer himself. Tune in any night for this station and judge for yourself if this pair is not funny.

EDUCATIONAL FEATURES

Monday

Atlantic	Eastern	Central	Mountain	Pacific
6:30 p. m.	5:30	4:30	3:30	2:30

WNYC (526m-570kc), German lessons, V. H. Berlitz.

8	7	6	5	4

WDAF (365.6m-820kc), School of the Air.

10:30	9:30	8:30	7:30	6:30

WHAZ (379.5m-790kc), Educational talk.

1:15 a.m.	12:15	11:15	10:15	9:15

KGO (361.2m-830kc), Educational features.

Tuesday

Atlantic	Eastern	Central	Mountain	Pacific
8 p. m.	7	6	5	4

WDAF (365.6m-820kc), School of the Air.
WEAO (293.9m-1020kc), Bird talks.

10	9	8	7	6

KUOA (299.8m-1000kc), U. of Ark.
WMAQ (447.5m-670kc), Lecture, University of Chicago.

12 m.	11	10	9	8

KTAB (239.9m-1250kc), Mills college.

Wednesday

Atlantic	Eastern	Central	Mountain	Pacific
6:30 p. m.	5:30	4:30	3:30	2:30

WNYC (526m-570kc), Spanish lesson, V. H. Berlitz.

8	7	6	5	4

WDAF (365.6m-820kc), School of the Air.

8:30	7:30	6:30	5:30	4:30

WBZ (333.1m-900kc), Radio Nature league.

Atlantic	Eastern	Central	Mountain	Pacific
9 p. m.	8	7	6	5

WEAO (293.9m-1020kc), "Atoms and Stars."
WHB (365.6m-820kc), Automotive talk.
WMAQ (447.5m-670kc), Lecture, Northwestern university.

11:30	10:30	9:30	8:30	7:30

KHJ (405.2m-740kc), Astronomy.

Thursday

Atlantic	Eastern	Central	Mountain	Pacific
8 p. m.	7	6	5	4

WDAF (365.6m-820kc), School of the Air.

9:45	8:45	7:45	6:45	5:45

WOI (270.1m-1110kc), Educational opportunities.

10	9	8	7	6

WMAQ (447.5m-670kc), U. of C. lecture.

Friday

Atlantic	Eastern	Central	Mountain	Pacific
6:30 p. m.	5:30	4:30	3:30	2:30

WNYC (526m-570kc), French lesson.

7:45	6:45	5:45	4:45	3:45

WTIC (475.9m-630kc), Cartoon lessons, Bud Kingston.

8	7	6	5	4

WDAF (365.6m-820kc), School of the Air.
WOAW (526m-570kc), "Musical Appreciation," Hester Bronson Copper.

10	9	8	7	6

WMAQ (447.5m-670kc), U. of Chicago.

11:45	10:45	9:45	8:45	7:45

KFWB (252m-1190kc), Nature talk.
KOAC (280.2m-1070kc), Oregon Agricultural college.

Tuesday, June 15

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
7:30 p. m.	6:30	5:30	4:30	3:30

CNRA (312.4m-960kc), Springhill choral night.

8:30	7:30	6:30	5:30	4:30

WEAO (293.9m-1020kc), One act play, Student dramatic club.
WPG (299.8m-1000kc), Murphy's Minstrels.

9	8	7	6	5

WBAL (245.8m-1220kc), Baltimore City Park orchestra.
WGBF (236.1m-1270kc), Old Fiddlers, Clay, Ky.

9:30	8:30	7:30	6:30	5:30

WHAS (399.8m-1000kc), Carl Zoeller's Melodists

10	9	8	7	6

WOC (483.6m-620kc), Pettit's Banjo Strummers
KDKA (309.1m-970kc), Folk songs of the Nations.

10:45	9:45	8:45	7:45	6:45

KPRC (296.9m-1010kc), Harmony Boys.

11	10	9	8	7

CNRV (291m-1030kc), British Columbia music festival.

12 m.	11	10	9	8

KGO (361.2m-830kc), Musical interpretation of Romeo and Juliet.

Tuesday, silent night for: CFCA, CKNC, CNRC, CNRE, CNRM, CNRO, CNRT, CNRW, KFKX, KFUO, KFWA, KOA, KOAC, KOB, KOWW, KSAC, KTAB, KWSC, WABQ, WAHG, WAMD, WBBR, WCAP, WGCP, WHA, WHAZ, WLWL, WOR, WOS, WSMB, WSUI, WTAM, WTIC.

Atlantic or Eastern Daylight Saving Time Stations

CKAC, Montreal, Canada (410.7m-730kc), 7:15 p. m., Windsor hotel dinner concert; 8:30, C. P. O. S. S. Montrose members of National entertainment association of London; 10:30, Windsor hotel dance orchestra.
CNRA, Moncton, Canada (312.4m-960kc), 7:30 p. m., Springhill choral night; 11, CNRA orchestra.
WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert, William Penn hotel; 8, WEAF; 8:30, WEAF; 9, WEAF; 10, Moment musicale.
WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:30 p. m., Charlie Kerr and his orchestra; 7:30, Snellenburg instrumental trio; 8, theater digest; 8:10, The Three Brothers; 8:25, Peter Ricci, baritone; 8:45, Higgins and Burke, song writers; 9, Kuehnle's artists; 9:30, Robert Fraser, blind gospel singer; 10, recital; 10:15, Eddie Malle and entertainers; 10:30, Cathay Tea Garden dance orchestra.
WCSH, Portland, Me. (256.3m-1170kc), 8 p. m., WEAF.
WEAF, New York, N. Y. (491.5m-610kc), 6 p. m., dinner music; 8, Grand Prize Eurekas, WEEI, WFI, KSD, WCAE, WWJ, WCSH, WSAI, WTAG, WGR, WCCO, WOC, WTAM, WJAR; 8:30, Gold Dust Twins, WEEI, WFI, WCAE, WGR, WWJ, WOC, WCSH, WJAR, WCCO, WLIB, WTAM, KSD; 9, Eveready hour, WEEI, WFI, WCAE, WGR, WWJ, WOC, WCSH, WJAR, WCCO, WLIB, WTAM, KSD; 9, Eveready hour, WEEI, WFI, WCAE, WGR, WWJ, WOC, KSD, WJAR, WCCO, WTAG, WGN, WTAM, WSAI; 10, Moment musicale; 10:30, Ben Bernie and his orchestra; 11-12, Buffalodians dance orchestra.
WEBJ, New York, N. Y. (272.6m-1100kc), 7 p. m., Dan Barnett's orchestra; 7:30, Luna's Knickerbocker Grill orchestra; 8, R. R. talk; 8:15, Blanche and Hugh Ramsaur, duets; 8:30, Lunas Marine band.
WEEI, Boston, Mass. (348.6m-860kc), 6:20 p. m., George Joy Nell Cantor; 7:30, Minute men; 8, WEAF.
WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra; 8, WEAF; 8:30, WEAF; 9, WEAF; 10, Variety Half Hour; 10:30, Vincent Lopez and his orchestra.
WGBS, New York, N. Y. (315.6m-950kc), 7 p. m., Arrowhead Inn concert orchestra; 8, play, "Midsummer Night's Dream," musical monologue, Mercedes Desmore; 8:45, Pauline Watson, violinist; T. Edgar Shlowe, pianist; 10:15, Leonard Saxon, tenor; 10:30, Arrowhead Inn orchestra.
WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., Vincent Lopez Hotel Statler dance orchestra; 8, WEAF.
WHAR, Atlantic City, N. J. (275.1m-1090kc), 8 p. m., Seaside hotel trio.
WHN, New York, N. Y. (361.2m-830kc), 6:30 p. m., Everglades orchestra; 7:30, Will Oakland's Chateau; 8, Treasureland Neighbors; 8:15, Price Piotto, songs; 9:30, Loew's 83rd St. orchestra; 10, Universal trio; 10:30, Strand Roof orchestra; 11, standing by; 11:30, Sophie Tucker's Playground; 12, Country club orchestra.
WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 7, Uncle Wip's bedtime stories, songs, Margaret Keenan; 8, concert from Marine studio; 8:30, Murphy's Minstrels; 9, Chalfont-Haddon Hall dual trio; 10, Creatore and his band; 10:15, Royal Mountain Ash Welsh male chorus; 10:30, popular and classic piano recital, Karl Bonawitz; 11, Joseph Samuels dance orchestra; 11:30, Silver Slipper supper club; Eddie McKnight's dance orchestra.
WJAR, Providence, R. I. (305.9m-980kc), 7:30 p. m., musicale; 8-10, WEAF.
WJZ, New York, N. Y. (454.3m-660kc), 8 p. m., One-op Cut-ups; 8:30, Delilah Pearl hour; 9, Breyer hour; WRC; 10, the Grand Tour, "Shopping in Europe," WGY, WRC; 10:45, George Olsen's Hotel Pennsylvania Roof orchestra.
WMAK, Buffalo, N. Y. (265.3m-1130kc), 10:30 p. m., Beaver Products company, WGY, WFBL, WHAM.
WMCA, New York, N. Y. (340.7m-880kc), 7 p. m., Hofbrau Haus entertainers; 8:15, Muscle Shoals; 8:30, California Ramblers; 9, Paul Whitman's Beau Rivage orchestra; 9:30, Columbia Park entertainers; 11, Ernie Golden and the Hotel McAlpin orchestra; 12, McAlpin entertainers.
WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., concert.
WOR, Newark, N. J. (405.2m-740kc), 6:10 p. m., Hotel Bretton Hall string ensemble.
WPG, Atlantic City, N. J. (299.8m-1000kc), 7 p. m., Hotel Traymore dinner music; 7:15, fashion flashes; 8, Marine studio; 8:30, Murphy's Minstrels; 9, Chalfonte Hadden Hall Dual trio; 10, Creatore and his band; 10:15, Royal Mountain Ash Welsh male chorus; 10:30, Karl Bonawitz; 11, dance orchestra; 11:30, Silver Slipper Supper club.
WTAG, Worcester, Mass. (267.7m-1120kc), 8-8:30 p. m., WEAF; 8:30-9, announced; 9-11:30, WEAF.

Eastern Standard or Central Daylight Saving Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 8:30 p. m., sacred song half hour; 9, Symphony players; Mrs. Ed. O. Tabor, soprano; 10:35, Grand theater program.
WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., WBAL dinner orchestra; 8-9, Hilda Hopkins Burke, soprano; Celia Brace, violinist; George Bolek, pianist; 9-10, Baltimore City Park orchestra.
WBBM, Chicago, Ill. (225.4m-1330kc), 8-9:30 p. m., Alemite orchestra; 9:30-10, Moss Covered melodies; 10-11:30, variety hour; 11:30-12, Supper club.
WBZ, Springfield, Mass. (333.1m-900kc), 6 p. m., Bob Patterson's trio; 8, movie club; 9, Greenfield hour, vocal and instrumental selections.
WCBD, Zion, Ill. (344.6m-870kc), 9 p. m., Zion band, mixed quartet; Mrs. G. R. Sparrow contralto; G. R. Sparrow, tenor; Alice Peters, violinist.
WEAO, Columbus, Ohio (293.9m-1020kc), 7:15 p. m., music; 7:30, one-act play; 8:15, Fraternity orchestra.
WEBH, Chicago, Ill. (370.2m-810kc), 7-8 p. m., Edgewater Beach hotel Oriole orchestra; Kathryn Forbes; Lydia Lochner; 9:10-10, Uptown theater; 11-12:30, Cook Sisters, orchestra; Harmony singers.
WENR, Chicago, Ill. (265.3m-1130kc), 6-7 p. m., Rauland lyric trio; 8-9, Arthur Dunas popular program; 8-10, All American Pioneers.
WGHP, Detroit, Mich. (270.1m-1110kc), 8:15 p. m., Skylark dance band; Gladys Sanderson and her uke, Gerald Marks' orchestra.
WGN, Chicago, Ill. (302.8m-990kc), 6:30-7 p. m., Blackstone string quintet, Drake concert ensemble; 8-9, WEAF; 9-10, "Arabian nights"; 10, Sam 'n' Henry, 10:10-11, musical program, ensemble.
WGY, Schenectady, N. Y. (379.5m-790kc), 6:45 p. m., WGY orchestra; 7:30, WJZ; 8, WGY orchestra; 9, WJZ; 9:10-10:30, Beaver hour, WMAK, WHAM.
WHT, Chicago, Ill. (399.8m-750kc), 7 p. m., organ recital, Al Carney; 7:30, chapel; 10:15 (238m-1260kc), Cinderella cafe orchestra; 10:30 (399.8m-750kc), Pat Barnes and Al Carney; Bell Canto male quartet; 12, U. S. L. half hour of dance music.
WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., dinner concert, Chester Newman, baritone; Charlotte Edwards, contralto; Eugene Wallenius; 12, Ted Fiorito, Dan Russo, Marie Tully, Wayne Myers, Jack Goodwin, Harry Brooker.
WJAZ, Chicago, Ill. (329.5m-910kc), 9-12 mid., Earl Hoffman's Chez Pierre orchestra; The Quips That Pass in the Night, Frances Rosemary Scheib, soprano, Henrietta Nolan, violinist; William Hayden, tenor.
WJJD, Mooseheart, Ill. (370.2m-810kc), 5:30-7 p. m., dinner concert; Jack Nelson; Howard Peterson, organist; Palmer House symphony players; Victorians; 8-9, child artists; 10-11, Victorians; 12:30 a. m., Settin' Up hour.
WJR, Pontiac, Mich. (526.9m-580kc), 7 p. m., Glover Watson, old-time dance orchestra; 8, Tom Bartel's Boys; 9, Jean Goldkette's orchestra.
WKRC, Cincinnati, Ohio (422.3m-710kc), 10 p. m., Eugene Perazzo, organist; 11, Doc Howard's Cuvier WKRC entertainers; 11:30, Bert Lindsay, popular song hour; Abe Farb; Kern Aylward, Merrel J. Schwarz.
WLIB, Chicago, Ill. (302.8m-990kc), 7-7:05 p. m., Million Sing; 7:05-7:15, Old-fashioned almanack; 7:15-7:30, dinner music; 7:30-8, WEAF; 11-11:20, Correll and Gosden; 11:20-1 a. m., Liberty studio ensemble, Ambrose Larsen, organist; Tommy Thatcher's dance orchestra; Purple Grackle orchestra.
WLW, Cincinnati, Ohio (422.3m-710kc), 7:30 p. m., "Piano Memories," Clifford Lang; 8, choral music, Eucharistic concert in Chicago, direction of John J. Fehring; 9, concert, Formica orchestra, direction of Wm. C. Stoess.
WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Hotel La Salle orchestra; 8:40, music; 9:20, Tuskegee quartet.
WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon ensemble; Genevieve Burnham; 9-11, Trianon orchestra; Joe Warner.
WOK, Chicago, Ill. (217.3m-1380kc), 4:30-6 p. m., Capitol theater organ; tenor; string ensemble; 6-7, Tip Top Inn; 10-1:30 a. m., Tearney's Town club orchestra; Pershing Palace orchestra; Midway Garden orchestra; Capitol theater program, studio program.
WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9 p. m., Ye Olde Tyme Songe Feste; 9:30, Regent Grand orchestra, 9:45, Mellissa Dvorak, pianist; 10:05, studio program.
WORD, Batavia, Ill. (275.1m-1090kc), 7 p. m., Public Service company of Northern Illinois; 9, musicale, 11, program.
WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Gardens orchestra; 10-2 a. m., Rainbo Gardens orchestra; Jerry Sullivan; Bert Davis; Collegiate quartet; Romo Vincent, boy baritone; Will Rossiter; Johnny Peat, baritone.
WRC, Washington, D. C. (468.5m-640kc), 7 p. m., Radio School of International Relations; 7:30, WJZ; 8, WJZ; 9, WJZ; 9:30, to be announced; 10:30, Meyer Davis' Le Paradis band.
WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., Speed-Wagon serenaders; Gold Standard ensemble; 8:15, Reo Motor Car company band.
WSAI, Cincinnati, Ohio (325.9m-920kc), 7 p. m., WEAF; 7:30, musicale; 8, WEAF; 9, WSAI program.
WSWS, Chicago, Ill. (275.1m-1090kc), 6 p. m., Josephine Oliver, violinist; Zola Baynes, dulcetone; W. A. Dyckman, bass; Terrace Gardens orchestra; 8, Cook Sisters, Jean St. Anne; Christian A. Grimm, pianist; Gus Edwards orchestra; 10, Terrace Gardens quintet; Zola Baynes; 12-1 a. m., Witching hour.
WTAM, Cleveland, Ohio (389.4m-770kc), 6 p. m., State theater vaudeville; 7-10, WEAF; 10, studio program; 11, Euclid Beach Park orchestra.
WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7, WEAF.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., dinner concert; 8:05-10:30, U. of Nebraska.
KFDM, Beaumont, Tex. (315.6m-950kc), 7:30-8 p. m., orchestra; 8-9, Magnolia Petroleum Company's Refinery orchestra.
KFH, Wichita, Kan. (267.7m-1120kc), 6:30-7 p. m., Wichita Eagle, J. O. Adams piano playing contest; 7-8, music.
KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., orchestra, Griswold, Iowa; 8, Farm Bureau Fremont company.
KLDS, Independence, Mo. (440.9m-680kc), 8 p. m., classical program, Virginia Henry.
KMA, Shenandoah, Iowa (252m-1190kc), 9-11 p. m., May's Mandolin musicians.
KMMJ, Clay Center, Nebr. (228.9m-1310kc), 8 p. m., band concert.
KMOX, St. Louis, Mo. (280.2m-1070kc), 8:30 p. m., recital, Jacquinot Jules, organist; 8, Ed Goessling, baritone; orchestra, light opera selections; 9, soloists; 9:30, Gordon Morrison, guitarist; songs, F. Anderson; 10, chimes, orchestra, soprano.
KOIL, Council Bluffs, Iowa (278m-1080kc), 6:03 p. m., Ukulele Rae Pickers; 6:30, Randall's Royal orchestra; 7:30, Wilson Doty; 8, Marie Salisbury, violinist; Olivetta Salisbury, pianist; Kathryn Skinner, pianist; 11, Hotsy-Totsy hour.
KPRC, Houston, Tex. (296.9m-1010kc), 7:30 p. m., Billie Mack's orchestra; 8:30, C. D. Baxtresser, tenor; 8:45, Larry Kelly and Mike Gomez; 9, Winnie Wetenkamp, pianist; Jessie Culpepper.
KSO, Clarinda, Iowa (241.8m-1240kc), 8 p. m., music; 8:15, Shorty Sloan orchestra.
KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10-9:30 p. m., vocal solos, Mrs. Charles Caldwell; 9:30-10:30, New Arlington hotel orchestra.
KVOO, Bristow, Okla. (374.8m-800kc), 6-9 p. m., Jimmie Wilson and his Catfish string band.
KYW, Chicago, Ill. (535.4m-560kc), 6 p. m., Chicago Evening American studio; 7, program, Congress hotel; 8-9:30, classical concert; 9:30-10:30, Congress carnival.
WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6 p. m., WEAF; 8, musicale.
WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., Billy Adair's orchestra; 11:15-1 a. m., Zez Confrey's orchestra; Billy Adair's orchestra; Johnnie Campbell's orchestra; Earl Thursten, organist.
WFAA, Dallas, Tex. (475.9m-630kc), 6:30-7:30 p. m., Honey Boys' orchestra; 8:30-9:30, Anna Major Rapley, pianist; 11-12, Jimmy Joy's orchestra.
WGBF, Evansville, Ind. (236.1m-1270kc), 7 p. m., Old Fiddlers; 8, musicale.
WHAS, Louisville, Ky. (399.8m-1000kc), 7:30-9 p. m., Carl Zoeller's Melodists.
WHB, Kansas City, Mo. (365.6m-820kc), 7-7:30 p. m., Morrill Moore, organist; 8-9:30, musicale.
WHO, Des Moines, Iowa (526m-570kc), 7:30-8 p. m., Raleigh quartet; 8-9, varied musicale.
WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Walter Moore; 11, Britling's Cafeteria orchestra.
WOAI, San Antonio, Tex. (394.5m-760kc), 8:30 p. m., Gerbhardt Mexican players.
WOAW, Omaha, Nebr. (526m-570kc), 6 p. m., Hugo G. Heyn, xylophonist; 6:30, orchestra; 9, program, Hannan-Vant Brunt company; 10:30, Radio review.
WOC, Davenport, Iowa (483.6m-620kc), 5:15-5:55 p. m., chimes concert; 6-8, WEAF; 8-9, Pettit's Banjo Strummers.
WRR, Dallas, Tex. (245.8m-1220kc), 6-7 p. m., Jack Gardner's orchestra; 8-9, musicale, Montgomery studio.
WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., concert; 10:45, concert.
WSM, Nashville, Tenn. (282.8m-1060kc), 8 p. m., Shrine program.
WSOE, Milwaukee, Wis. (245.8m-1220kc), 7 p. m., Elks club studio; 8:45, movie review; 9, classical musical features.

Mountain Standard Time Stations

CNRR, Regina, Can. (312.3m-960kc), 8 p. m., Nighthawks' orchestra.
KFXF, Colorado Springs, Colo. (250m-1200kc), 8 p. m., Alice Atkins, soprano; Evelyn Bissell, pianist; Wilhelm Schmidt, pianist.
KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra; 8:30, International Rotary club; 10, Baldwin artists' ensemble, Marie Sweet, soprano; Kathleen Ryan, contralto; Dan Baker, tenor; Frank Bennett, bass; Edythe Sackett, pianist.

Pacific Standard Time Stations

CNRV, Vancouver, Can. (291.1m-1030kc), 9 p. m., British Columbia musical festival; 10:30, Cabaret Belmont orchestra.
KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Virginia Ballroom orchestra; 8-9, Screen Artists string quartet; 9-10, grand opera program; 10-11, Packard Radio club.
KFWB, Hollywood, Calif. (252m-1190kc), 6-7 p. m., Pontiac Six dinner hour; 8-9, program, Richard Hellman, Inc.; 9-10, program, American Brake Testing Machine company; 10-11, Warner Brothers frolic.
KGO, Oakland, Calif. (361.2m-830kc), 8-9 p. m., Eveready program, Virginia Grayson, soprano; Carl Anderson, tenor; musical novelty, "Wanted: A Quartet;" 9-10, Pilgrims' hour; Grace LePage, soprano; 10-12, Madson's Midshipmen.
KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 10-12, dance music, Multnomah hotel, Herman Kenin's dance orchestra; Curt Kramer, pianist.
KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., weekly visit of Queen Titania and the Sandman; 8-10, Times de luxe program; 10-11, dance music.
KJR, Seattle, Wash. (384.4m-780kc), 8:30-10 p. m., Puget Sound Savings and Loan association orchestra, 10-11, Nute Motor company studio program.
KNX, Hollywood, Calif. (336.9m-890kc), 7-7:45 p. m., program, Geo. E. Reed, Inc.; 8-9, program, Builders' Finance association; 9-10, program, Western Auto Supply company; 10-12, movie night, Ambassador, Ray West's Cocoanut Grove orchestra.
KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7 p. m., States Restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel orchestra; 8-9, John Philpott's Midshipmen; 9-10, Mona Motor Oil trio; Gypsy and Marta; 10-11, Palace Hotel Rose Room dance orchestra.
KPSN, Pasadena, Calif. (315.6m-950kc), 6-6:15 p. m., dinner time news; 8-9, Star-News concert; George Frenger, tenor.

DANCING

Central Time

Saturday

10:30, Ktrw, Wood, 10:45, Wis; 11, Kfwa, Kfwb, Kpo, Webh, Wsai, Wgbu, Who, Wjaz, Woc; 11:45, Wdaf; 12, Kfwa, Kgo.

Monday

8, Wgcp, Wpg; 8:30, Wpg; 9, Wgbu, Wjar, Wor, Wpg; 9:15, Wahg; 10, Kths, Wgbu, Wgcp, Wgr, Wnyc, Wpg; 10:15, Wor; 10:30, Kfoa, Wgcp, Whn; 11, Kgw, Koil, Wgbu, Wgcp, Wgr, Whn, Who; Wjaz; 11:45, Wdaf; 12, Knx, Kpo.

Tuesday

8, Wpg; 9, Wpg; 9:30, Kths; 10, Kfwb, Wbbm, Weaf, Webh, Wgbu, Wgn, Whn, Wmca, Wnyc; 10:30, Whn; 10:45, Wsb; 11, Kgw, Koil, Wgbu, Whn, Wjaz; 11:30, Kfoa; 11:45, Wdaf; 12, Kfwa, Khj, Knx, Kpo, Wdaf, Wjaz.

Wednesday

10:30, Wbap, Whn; 11, Koil, Kpo, Webh, Wgbu, Wgcp, Wgr, Whn, Wjaz; 11:45, Wdaf; 12, Kfwa, Knx, Kpo, Wjaz, Wjjd.

Thursday

8, Wjr; 8:30, Wpg; 9, Webh, Weei, Wgbu, Whn, Wjr, Wmbb, [illegible]; Wtic; 9:05, Wbz, Wtag, Wip; 9:30, Webh, Wgr, Whn; 9:35, Wnyc; 10, Kths, Wbbm, [illegible], Webh, Whn, Wmca, [illegible]; 10:30, Kths, Whn, Webh, Wgbu; 11:45, Wdaf; 12, Woc; Khj, Knx, Kpo, Kgo, Wjjd.

Friday

8, Wwj; 8, Kex, Webh, Weei, Wgbu; 9, Wgcp, Wmbb; 9:15, Wahg; 9:30, Wcau, Whn; 10, Kpo, Kths, Webh, Wgcp, Whn.

Wednesday, June 16

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
7:33 p. m.	6:33	5:33	4:33	3:33

WBZ (333.1m-900kc), Musical Mirth Makers.

9	8	7	6	5

KFH (267.7m-1120kc), American Legion band.

9:15	8:15	7:15	6:15	5:15

WEAO (293.9m-1020kc), Holliday string trio.

10:15	9:15	8:15	7:15	6:15

WHO (526m-570kc), Original Larks.

10:30	9:30	8:30	7:30	6:30

KFAB (340.7m-880kc), Cowbell Boys.

11	10	9	8	7

KMA (252m-1190kc), Singing and Clogging.
WDAF (365.6m-820kc), Ivanhoe band.

11:30	10:30	9:30	8:30	7:30

KPRC (296.9m-1010kc), Lillian Richards, song bird.

1 a. m.	12 m.	11	10	9

WWJ (275.9m-1090kc), Witching hour.

Wednesday, silent night for: CKAC, CKNC, CNRA, CNRC, CNRE, CNRM, CNRR, CNRT, CNRV, KFXF, KGO, KLDS, KMMJ, KOIL, KPSN, KSAC, KTAB, WABQ, WBAL, WBAP, WBBR, WCBD, WFAA, WGBF, WGBS, WGCP, WHAR, WHAZ, WIP, WJAZ, WLWL, WMC, WOAI, WOAW, WPG, WRC, WRR, WSUI.

Atlantic or Eastern Daylight Saving Time Stations

CFCA, Toronto, Can. (356.9m-840kc), 11 p. m., Gilbert Watson and his orchestra.
WAHG, Richmond Hill, N. Y. (315.6m-950kc), 7:45 p. m., Anne Palley, pianist; 8, Michael Lamberti, cellist; Edythe Lamberti, soprano; 8:25, Walter Sellers, tenor; 8:40, M. Lamberti; 9, William Sweeney, baritone; 9:15, Dorothea Rampmaier, contralto; 9:30, Max Brick, tenor; Milton Schwartz, violinist; Milton Katz, pianist; 10:15, Lou Drago, ukulele soloist; 10:30, Colonial dance orchestra; 11:02, Colonial dance orchestra.
WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert, William Penn hotel; 8, WEAF; 8:30, WEAF; 9, concert; 10, WEAF.
WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30 p. m., recital, N. Snellenburg and company; 8:10, Hotel Pennsylvania concert orchestra; 8:30, Miller piano period; 9, Jack Wichter and his orchestra; 9:30, Helen Travis Hoel, soprano; 9:45, Senator Hassenpfesser; 9:50, recital; 10, Joseph McCullough, banjoist; 10:30, Carl Zoehrns and Lou Herscher, songs; 10:45, Frank Cook, old-time songs; 11, Artie Bittong's Cheer-up club.
WCSH, Portland, Me. (256.3m-1170kc), 8 p. m., WEAF; 9, studio program; 10, WEAF.
WEAF, New York, N. Y. (491.5m-610kc), 6 p. m., dinner music; 7:30, musicale; 8, Shinola Merrymakers, Gentlemen of the 2 in 1, WTAG, WCAE, WWJ, WJAR, KSD, WGR, WEEI, WOO, WCSH, WOC, WCCO, WCAP, WSAI; 8:30, Davis Saxophone octet, WOO, WCAE, WSAI, WEEI, WJAR, WGR, WCSH; 9, Ipana Troubadours, WEEI, WCAP, WOO, WWJ, WLIB, WCCO, WOC, WGR, WSAI, KSD; 10, "Yeoman of the Guard," light opera company, WCAP, WJAR, WDAF, WEEI, WTAG, WCAE, WWJ, WCSH, KSD, WTIC; 11-12, Pelham Heath Inn orchestra.
WEBJ, New York, N. Y. (272.6m-1100kc), 8 p. m., Dixie Daisy entertainers; 8:45, Michele Bontempo, baritone; 9, William Bisignano, accordian; 9:15, Alfred Alcaro, concert violinist; 9:30, Kabatniks dance orchestra.
WEEI, Boston, Mass. (348.6m-860kc), 7:30 p. m., musicale; 8, WEAF; 10, musicale.
WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra.
WGBS, New York, N. Y. (315.6m-950kc), 6:30 p. m., Seth Williams' Savoy orchestra; 7, American Legion program; 7:50, Seth Williams Savoy orchestra.
WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., concert, Ruth M. Geisinger; 8, WEAF; 10, Harry Reid, popular program; 10:30, F. Egon Plagge violinist; 11, Vincent Lopez and his Casa Lopez orchestra.
WHN, New York, N. Y. (361.2m-830kc), 7:30 p. m., Loew's Lexington organ recital; 9:10, Loew's New York orchestra; 9:30, Palisades Amusement Park orchestra; 10, Roseland dance orchestra; 11:30, Silver Slipper orchestra; 12, Cotton club orchestra.
WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 7, Ruth Schmuckler, pianist.
WJAR, Providence, R. I. (305.9m-980kc), 7:30 p. m., chamber musicale; 8-9, WEAF; 9, musicale; 10, tabloid musicale.
WJZ, New York, N. Y. (454.3m-660kc), 8 p. m., Imperial Imps; 8:30, La Prensa hour; 10:30, Hotel Astor Roof orchestra.
WLIT, Philadelphia, Pa. (394.5m-760kc), 8:10 p. m., Arcadia orchestra; 9, recital; 10, Arcadia cafe dance orchestra.
WMAK, Buffalo, N. Y. (265.3m-1130kc), 6:30-7:15 p. m., Hotel Lafayette orchestra; 7:30, Eastman theater orchestra, WGY; 8:05-10, WHAM, WGY.
WMCA, New York, N. Y. (340.7m-880kc), 6:30 p. m., Ernie Golden and his Hotel McAlpin orchestra; 7:10, Tappen's orchestra; 8, X-It Hawaiians; 9, Mamaroneck night; 10:30, Stauch's orchestra; 12, McAlpin entertainers.
WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Sylvania dance orchestra; 8, Mystery Merrymakers; 8:30, Davis saxophone octet; 9, Ipana hour; 10, concert, Fox theater studio; 10:30, Ritz Carlton dance orchestra.
WOR, Newark, N. J. (405.2m-740kc), 6:30 p. m., Jacques Jacobs' Hotel Shelton ensemble; talk; 9, Gertner's string quartet; 11, Crystal Palace orchestra.
WTAG, Worcester, Mass. (267.7m-1120kc), 8-8:30 p. m., WEAF; 8:30-10, musicale; 10-11, WEAF.

Eastern Standard or Central Daylight Saving Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 5:30 p. m., dinner concert, Giles Everglades club orchestra; 7:30, The Gondoliers.
WBBM, Chicago, Ill. (225.4m-1330kc), 8-10 p. m., popular period; 12, Nutty club.
WBZ, Springfield, Mass. (333.1m-900kc), 6:33 p. m., Musical Mirth Makers; 6:45, M. A. C. Radio forum, 8, Max Kruloe's orchestra; 8:30, Helen Hudson, soprano; Joseph Waas, baritone, 9, Waltham Watch company band.
WCAP, Washington, D. C. (468.5m-640kc), 7-7:30 p. m., WEAF, 7:30-8, outdoor concert, U. S. Army band; 8-9, WEAF; 9-10, WEAF; 10-10:30, announced; 10:30-12, dance music.
WEAO, Columbus, Ohio (293.9m-1020kc), 8:15 p. m., Holliday string trio; 9:15, Fraternity orchestra.
WEBH, Chicago, Ill. (370.2m-810kc), 7-8 p. m., Osborn's orchestra; Florence Behrend; Frank Greif, Frank Bordner; 9-10, Osborn's orchestra; Frank Bordner; Lawrence Salerno; 11-12:30, orchestra; Kay Ronayne, Florence Behrend.
WENR, Chicago, Ill. (265.3m-1130kc), 6-7 p. m., Rauland lyric trio; 8-10, All-American Pioneers; 12-2 a. m., midnite frolic.
WGES, Oak Park, Ill. (249.9m-1200kc), 5-7 p. m., Paradise plane; 8-9, Frank Sylvano, Louis Panico, Guyon's Paradise ballroom orchestra; Melody Girls; 11-1 a. m., Casey and Gervais; Ray Dean, Fay Dillon, Pat Ryan, Louis Panico, Guyon's Paradise ballroom orchestra.
WGHB, Clearwater, Fla. (265.3m-1130kc), 8:30-10 p. m., Rex Dantzler, tenor; Mrs. Frank Delemater, contralto; Eldon McMullen, pianist.
WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert; 7:35, children's hour; 8:10, Little Symphony orchestra; male quartet; Madame Gizi Szanto, pianist; 12-1, Gerald Marks' orchestra.
WGN, Chicago, Ill. (302.8m-990kc), 6:35-7 p. m., Blackstone string quintet; 9-10, grand opera selections; 10-10:10, Sam 'n' Henry; 10:10-10:20, studio music; 10:30-12:30, Pepper Party.
WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., Eastman theater orchestra, WHAM; 7:05-9, musicale, WHAM.
WHT, Chicago, Ill. (399.8m-750kc), 7:10 p. m., organ; 7:50, chapel; 8:30-10:15 (238m-1260kc), Cinderella cafe orchestra; 11 (399.8m-750kc), Art Becker, pianist; Al and Pat; 12 midnight, Your Hour league.
WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., Dorothy Rue, soprano; Charles Champlin, baritone; Evelyn Elliott, contralto; Frank Greif, tenor; trio, 10-12, Marie Tully, Wayne Myers, William Molnaire, Cramer and O'Grady; Elsie Orr; Lenore Friedman, Pearl Holtzman.
WJJD, Mooseheart, Ill. (370.2m-810kc), 5:30-7 p. m., dinner concert; Jack Nelson; Howard Peterson, organist; symphony players, Victorians; 8-9, child artists, solos, bands; 10-11, Victorians, Isabel Defaut, R. Thomas; 12:30 a. m., Settin' Up hour.
WJR, Pontiac, Mich. (526m-580kc), 7 p. m., Jean Goldkette's Petite symphony orchestra; 7:15, Goodwill Oakland; 9, Jean Goldkette's orchestra; 11, Murphy Brothers organ; 12 midnight, Merry Old Chief, Jewett Radio Jesters.
WKRC, Cincinnati, Ohio (422.3m-710kc), 6 p. m., Alvin Roehr and his Hotel Alms orchestra; 8:15, Gene Perazzo, pianist; 8:30, Oliver Plunkett, tenor; 9, string ensemble; 12, popular songs; 12:30, Wesley Helvey and his La Vista orchestra.
WLIB, Chicago, Ill. (302.8m-990kc), 7-7:05 p. m., million sing; 7:15-7:30, dinner concert; 7:30-7:50, Pattison Coates, baritone; Edward Barry, pianist; 7:50-8, Auld Sandy; 8-9, WEAF; Ambrose Larson, organist.
WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., dinner hour concert, Hotel Gibson; 7:40, Hotel Gibson concert; 10, Thorobred entertainment; 11, Cincinnati Post program.
WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Hotel La Salle orchestra; 8:30, Whitney trio; 9, WMAQ players, chimes.
WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon duo; 9-11, Trianon orchestra; artists.
WOK, Chicago, Ill. (217.3m-1380kc), 4:30-7 p. m., Capitol theater organ; studio program; Tip Top Inn string ensemble; 10-1:30 a. m., Tearney's Town club orchestra; Pershing Palace orchestra; Midway Garden orchestra; Capitol theater program.
WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9 p. m., 16-Fingered Paul; Helen Neuman; Jim Forshey, Ruth Glaser, Pearl Knudson, Sid Goldman, Chuck Helwegen's Ramona Gardens orchestra; 9:30, Savutime program, 10:05, Atwater Kent hour.
WORD, Batavia, Ill. (275.1m-1090kc), 7 p. m., North Shore line; 9, I. B. S. A. choral singers.
WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Gardens orchestra; 10-2 a. m., Rainbo Gardens orchestra; Melodians; Joe Warner, character songs.
WRC, Washington, D. C. (468.5m-640kc), 5-6:30 p. m., U. S. Marine band.
WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., Speed-Wagon serenaders; Gold Standard ensemble.
WRVA, Richmond, Va. (256.3m-1170kc), 9:15 p. m., musical program; 10, organ and chimes recital; 11, Carry Me Back to Old Virginny.
WSAI, Cincinnati, Ohio (325.9m-920kc), 6:45 p. m., chimes; 7, WEAF; 7:30, WEAF; 9, WEAF; 10, Congress Playing card string quartet.
WSWS, Chicago, Ill. (275.1m-1090kc), 6 p. m., Josephine Oliver, Terrace Garden orchestra; 8, Cecil and Esther Ward, Nel and Lucille Cook; Edward Holt, Clinton Keithley; Terrace Gardens orchestra; 10, Terrace Gardens quintet; Josephine Oliver, Lucille Darmond; Joe Coffee; Dave Darcie, ballads; Osborne Sisters; 12, Witching hour.
WTAM, Cleveland, Ohio (389.4m-770kc), 6:15 p. m., Hotel Cleveland orchestra; 7:30, WEAF; 8, Public Auditorium program.
WTIC, Hartford, Conn. (475.9m-630kc), 5:30 p. m., Bond trio; 7:30, Capitol theater orchestra; 8, Travelers Jongleurs; 9, Carroll's Palais Royal dance orchestra.
WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7, WEAF; 7:30, News orchestra; 8, dance program; 9, WEAF.

Central Standard Time Stations

CNRW, Winnipeg, Can. (384.4m-780kc), 9 p. m., Fort Garry hotel trio; Emilo Mignacca, violinist; Arthur T. Diehl, tenor; Eveline Wildgoose, pianist; Frank Redlich, cellist; Eleanor Williams Edmond, contralto.
KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., dinner concert; 8:30-10:30, Cowbell Boys; Little symphony orchestra; Harmony Boys entertainers.
KFH, Wichita, Kan. (267.7m-1120kc), 6:30-7 p. m., piano playing contest; 7-8, American Legion.
KFKX, Hastings, Nebr. (288.3m-1040kc), 9-11 p. m., musicale, Lincoln, Nebr.
KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., concert.
KMA, Shenandoah, Iowa (252m-1190kc), 9-11 p. m., popular musicale; singing and clogging, Bob and Babe Riddle.
KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., dinner time recital, Jacquinot Jules, organist; 7-8:30, Shut-in entertainers, Minna and Ida Moerscholl, orchestra; 8:30-9:30, orchestra, light opera selections, song cycle; 9:30-11:40, Trumpet flourish; drama, "The Dust of the Road;" orchestra.
KPRC, Houston, Tex. (296.9m-1010kc), 7:30 p. m., C. J. Sherman, baritone; 7:45, Jack Wilfrich's orchestra; Virginia Wilfrich, piano-accordionist; 8:10, Coralie Gregory, contralto; Mrs. W. R. Shriner, Jr., pianist; 9, Frank Tilton, blind wonder boy pianist.
KSO, Clarinda, Iowa (241.8m-1240kc), 8 p. m., M. E. church quartet.
KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10-10 p. m., Clyde Foley, tenor; New Arlington hotel stringed quartet; 10-10:15, Ray Mullins orchestra.
KVOO, Bristow, Okla. (374.8m-800kc), 6-9 p. m., Radio trio; Mascho, Cunningham, Mascho.
KYW, Chicago, Ill. (535.4m-560kc), 6 p. m., musicale program; 8-9:30, classical concert; 9:30-11, Congress carnival.
WAMD, Minneapolis, Minn. (243.8m-1230kc), 7:15 p. m., classical program; Emil Edwards, violinist; Alma Edwards, mezzo-soprano; Etta Laudry, pianist; 10, Gould banjo club, 11, Skyrocket frolic.
WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6:08 p. m., WEAF; 8, All Saints Episcopal church; 9, musicale; 10:05, Wallie Erickson's Coliseum orchestra; 11:30, Eddie Dunstedter, organist.
WCOA, Pensacola, Fla. (222m-1350kc), 7-10 p. m., Pensacola Philharmonic orchestra; Prof. John Borjes, violinist; Anita O. Villar, vocalist.
WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., Zez Confrey's orchestra; 8-9, Hotel Muehlebach orchestra; 9-10, Ivanhoe band; 11:45-1 a. m., Nighthawk frolic.
WHAS, Louisville, Ky. (399.8m-1000kc), 7:30-9 p. m., Knickerbocker club orchestra.
WHB, Kansas City, Mo. (365.6m-820kc), 10:30-11:30 p. m., midweek Radio feature.
WHO, Des Moines, Iowa (526m-570kc), 6-7 p. m., Bankers Life Little symphonic orchestra; 7:15-8:15, Irene Dorans Little symphony orchestra; 8:15-9, Original Larks; Harry Lewis, soloist; Norman Broholm, pianist; Kate Miller, whistler; Maude Hughes, accompanist; 9-11, program, Riverview Park; 11-12, Bankers Life Corn Sugar orchestra.
WOAI, San Antonio, Tex. (394.5m-760kc), 8:30 p. m., Army night program.
WOC, Davenport, Iowa (483.6m-620kc), 5:45-5:55 p. m., chimes concert; 6-8, WEAF; 9:30-10:30, musical program, Erwin Swindell, organist.
WOS, Jefferson City, Mo. (440.9m-680kc), 8:05 p. m., Jack Lindley and Noel Wrightman.
WSB, Atlanta, Ga. (428.3m-700kc), 10:45 p. m., concert.
WSBT, South Bend, Ind. (275.1m-1090kc), 7-9:30 p. m., concert.
WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., dinner concert, Andrew Jackson Hotel trio; 8, Dorothy Overall and Mildred Claco, pianists; Sam Woolwine, baritone; 10, Mary White Guill, soprano; Mrs. Robert Caldwell, contralto; Amanda Caldwell, violinist; Ellen Caldwell, pianist.
WSMB, New Orleans, La. (319m-940kc), 8:30 p. m., Robert Bryon, Jr., baritone.
WSOE, Milwaukee, Wis. (245.8m-1220kc), 7 p. m., Elks club studio; 9, educational program.

Mountain Standard Time Stations

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra; 8, Scheuerman's Colorado orchestra; 8:15, Rotary International, KOA orchestra; quartet; Mrs. Allen Street, soprano; Mrs. Raymond M. Havens, contralto; Hollywood male quartet; 9, International Rotary club.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-7:30 p. m., Grebe Synchrophase string ensemble; 7:30-8, Nick Harris detective story; 8-9, program, California Petroleum corporation; 9-10, Pat O'Neal, baritone; Dolores Mason, concert pianist; 10-11, Charles Beauchamp, tenor and others.
KFWB, Hollywood, Calif. (252m-1190kc), 6-7 p. m., Pontiac Six dinner hour; 7:30-8, program, Corduroy Tire Stores, Inc.; 8-9, Bill Hatch's Oakmont Country club orchestra; 9-10, program, Pacific Development company; 10-11, Warner Brothers frolic.
KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-9, concert; 9-10, concert, vocal and instrumental.
KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., Uncle John and the children; 8-10, de luxe program; 10-11, dance music.
KLX, Oakland, Calif. (508.2m-590kc), 9-10 p. m., special program.

SWEDISH CROWN PRINCE OVER WJJD

Wednesday, June 16

KNX, Hollywood, Calif. (336.9m-890kc), 7-8 p. m., program, Hoyt Water Heater company; 8-9, program, Security Trust and Savings bank; 9-10, Motor Transit Stages program; 10-11, studio program; 11-12, Ambassador hotel dance orchestra.
KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7 p. m., States Restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel orchestra; 8-9, Atwater Kent artists; 9-10, Cabiria Cafe orchestra; 10-11, States Restaurant orchestra.
KWSC, Pullman, Wash. (348.6m-860kc), 7:30 p. m., Marimba trio; Alloyce Schroller, pianist.

Thursday, June 17

Headliners Today

Atlantic Eastern Central Mountain Pacific
8 p. m. 7 6 5 4
WQJ *(447.5m-670kc), Play night, Columbia School of Expression.
8:30 7:30 6:30 5:30 4:30
WRC (468.5m-640kc), WJZ (454.3m-660kc), WGY (379.5m-790kc), U. S. Marine band.
9 8 7 6 5
WSB (428.3m-700kc), Smith Sacred Singers.
9:30 8:30 7:30 6:30 5:30
KDKA (309.1m-970kc), Musical whimsies.
WHAS (399.8m-1000kc), Virginia Vetter's entertainers.
10:30 9:30 8:30 7:30 6:30
KWWG (277.6m-1080kc), Spanish songs, Sr. Revueltas.
WMC (499.7m-600kc), Cooper's Hawaiians.
WSMB (319m-940kc), Schilling's Society serenaders.
11:30 10:30 9:30 8:30 7:30
WCCO (416.4m-720kc), Portal players.
12 m. 11 10 9 8
KFI (467m-642kc), Kanner trio.
KHJ (405.2m-740kc), Charles Wakefield Cadman program.

Thursday, silent night for: CHIC, CKNC, CNRA, CNRE, CNRO, CNRR, CNRT, CNRV, CNRW, KFAB, KFOA, KFUO, KFWA, KLX, KMOX, KOA, KOAC, KOB, KSAC, KWSC, PWX, WABQ, WAHG, WCAP, WCEE, WEAO, WEBJ, WEMC, WGBF, WHA, WHAD, WHAZ, WJJD, WMAK, WMAZ, WNAD, WOOD, WOR, WOS, WSM, WSUI, WTAM.

Atlantic or Eastern Daylight Saving Time Stations

CKNC, Toronto, Can. (356.9m-840kc), 8 p. m., Charles E. Bodley and his dance orchestra; Elsie Addison, contralto; Battery Brothers.
CNRM, Montreal, Can. (410.7m-730kc), Elysian night orchestra.
WBBR, New York, N. Y. (272.6m-1100kc), 8 p. m., L. Marion Brown, soprano; Watchtower instrumental trio.
WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert; 8, concert; 8:15, WEAF; 9, WEAF; 10, WEAF.
WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:30 p. m., Cathay Garden orchestra; 7:30, Snellenburg Symphony orchestra; 8, Sadler's Plantation serenaders; 8:30, Clifton's Anglers; 9, Barry O'Moore, Irish tenor; 9:30, Musical Chefs; 9:45, Professor Doolittle; 10, Melrose concert quartet; 10:30, Jackson and Ellis, Radio sweethearts; 11, Charlie Kerr and his orchestra; 11:30, Club Madrid revue.
WEAF, New York, N. Y. (491.5m-610kc), 6 p. m., dinner music; 7:30, midweek hymn sing; 8:15, Hires Harvesters, WEEI, WFI, WCAE, WLIB, WSAI, WWJ, WTAM; 9, Clicquot club Eskimos, WEEI, WJAR, WTAG, WFI, WCAE, WSAI, WTAM, WGR, WWJ, WOC, KSD, WCCO, WGN; 10, Silvertown Cord orchestra, WEEI, WFI, WCAE, WWJ, WGR, WOC, WCCO, WTAG, KSD, WSAI, WJAR, WGN, WADC, 11-12, Vincent Lopez and his orchestra.
WEEI, Boston, Mass. (348.6m-860kc), 7:30 p. m., musicale; 8, WEAF.
WFI, Philadephia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra; 8:15, WEAF; 9, WEAF; 10, WEAF.
WGBS, New York, N. Y. (315.6m-950kc), 6:45 p. m., George Hall and his Royal Arcadians and William Pike's orchestra; 7:45, Hotel Seville concert orchestra; 8:15, Teresa Santoro, soprano; 9, Guiseppe Leone, baritone; 9:30, old-time minstrel show; 10:30, orchestras.
WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., Vincent Lopez Hotel Statler dance orchestra; 8, WEAF.
WHAR, Atlantic City, N. J., (275.1m-1090kc), 8 p. m., Seaside hotel trio; 9, studio concert; 11, Follies Bergere dance orchestra.
WHN, New York, N. Y. (361.2m-830kc), 8 p. m., Will Oakland's Chateau; 8:30, Loew's Gates theater orchestra; 9, Loew's 7th Ave. concert; 9:30, Loew's 83rd Street orchestra; 10:30, Leroy Smith's orchestra; 11:30, Everglades orchestra; 12, Sophie Tucker's Playgound.
WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 7, Simpson Memorial Intermediate choir; 8, Hotel Ambassador orchestra; 8:30, Alice Warren Sachse, pianist; 8:45, Creatore and his band; 9:30, Hotel Traymore concert orchestra; 10, Hotel Traymore dance orchestra; 10:30, Royal Mountain Ash Welsh male chorus; 11:30, Silver Slipper supper club.
WJAR, Providence, R. I. (305.9m-980kc), 8 p. m., Robert W. Powers' Hudson-Essex orchestra; 9-11, WEAF.
WJZ, New York, N. Y. (454.3m-660kc), 7 p. m., Hotel Vanderbilt orchestra; 8, First National presentation, WRC; 8:30, U. S. Marine band from WRC, WGY, WCAD; 9:30, Royal Typewriter Salon orchestra, WGY, WCAD, WRC; 10:30, The Record Boys, WRC; 11, Swanee dance orchestra from WRC.
WMCA, New York, N. Y. (340.7m-880kc), 7 p. m. Hofbrau Haus entertainers; 8, Roemers Homers; 9:30, Columbia Park entertainers; 10:30, California Ramblers; 11, Ernie Golden and his Hotel McAlpin orchestra; 12, Broadway night.
WOO, Philadephia, Pa. (508.2m-590kc), 7:30 p. m., Adelphia Roof Garden orchestra.
WOR, Newark, N. J. (405.2m-740kc), 7 p. m., Hotel Bretton Hall string quartet.
WPG, Atlantic City, N. J. (299.8m-1000kc), 6:45 p. m., Arthur Scott Brook, organist; 7, Hotel Morton dinner music; 7:30, Elks home dinner music; 8, Hotel Ambassador dinner music; 8:30, Alice Warren Sachse, pianist; 8:45, Creatore and his band; 9:30, Hotel Traymore concert orchestra; 10, dance orchestra; 10:30, Welsh male chorus; 11, Ted Weems and his novelty dance orchestra; 11:30, Silver Slipper supper club.
WTAG, Worcester, Mass. (267.7m-1120kc), 7:30 p. m., Safety club; 8-9, program; 9-10, WEAF; 10-11, WEAF.

Eastern Standard or Central Daylight Saving Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 5:30 p. m., Pittsburgh Athletic association; 8:30, musical whimsies, symphony player; 10:05, Pittsburgh Post concert.
WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., WBAL dinner orchestra; 8-8:30, Frederick D. Weaver, organist; 8:30-9, WBAL mixed quartet; 9-10, WBAL trio.
WBBM, Chicago, Ill. (225.4m-1330kc), 8-11:30 p. m., popular music; Moss Covered melody period, Alemite orchestra, artists; 11:30-12, supper club.
WBZ, Springfield, Mass. (333.1m-900kc), 6:33 p. m., Hotel Lenox ensemble; 8, Esther Brown, trumpeter, artists; 8:30, organ recital; 9, Laura Jones, violinist; 9:15, J. Malcolm Warren, tenor; 9:30, Copley Plaza dance orchestra.
WCBD, Zion, Ill. (344.6m-870kc), 9 p. m., mixed quartet; Celestial bells; Mrs. H. E. Mayfield, soprano; Daniel Mason Eric Carey; Mrs. Hulda Klammer, reader; Josephine Martin, pianist.

WEAO, Columbus, Ohio (293.9m-1020kc), 8:15 p. m., music; 9, Quality Men's quartet.
WEBH, Chicago, Ill. (370.2m-810kc), 7 p. m., special recital; 9, orchestra; Ruth Buhl Flick, reader; Dorothy Herman Blum; Indiana male quartet; 11-12:30, orchestra; Pat Ward; Rita McFawn, Mary Bieber.
WENR, Chicago, Ill. (265.3m-1130kc), 6-7 p. m., Rauland lyric trio; 8-10, All-American Pioneers.
WGES, Oak Park, Ill. (249.9m-1200kc), 5-7 p. m., organ music; artist pupils, Chicago Musical college; Peggy O'Neill, Esther Richards; 8-9, Jimmy Wall; Guyon's Paradise; Leona Hayes; 11-12, Flo and Ray, Phil Fleming; Melody Girls; Panico Panic.
WGHP, Detroit, Mich. (270.1m-1110kc), 10-12 midnight, WGHP frolickers; dance band; Harry Hayes, banjoist; J. Franz Miller, pianist; 12-1, Gerald Marks' orchestra.

Chicago welcomes Crown Prince Gustaf Adolf of Sweden with a dinner June 23 at the Palmer House. During the evening the Crown Prince will talk in English over WJJD.

WGN, Chicago, Ill. (302.8m-990kc), 6:35-7 p. m., Drake concert ensemble; 8-9, WEAF; 9-10, WEAF; 10-10:10, Sam 'n' Henry; 10:10-11, ensemble.
WGY, Schenectady, N. Y. (379.5m-790kc), 6:45 p. m., WGY orchestra; 7:30, U. S. Marine band, WRC, WJZ; 8:30, WJZ; 9:30, American Indian themes; 10:30-11:30, Stephen E. Boisclair, organist.
WHT, Chicago, Ill. (399.8m-750kc), 7:10 p. m., Al Carney, organist; 8:45-10:15 (238m-1260kc), Cinderella cafe orchestra; 12 (399.8m-750kc), U. S. L. entertainers.
WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., dinner concert; 12, Ted Fiorito, Dan Russo, Marie Tully, Wayne Myers; Louis A. Webb, Rita McFawn, Smith and Ford.
WJAZ, Chicago, Ill. (329.5m-910kc), 9-12 midnight, classical program, Spanish Garden studio; Betty Cain, violinist; Kathryn Ready, soprano; John Sloan, tenor; Dorris Irene Berry, contralto; Bernice Yanacek, pianist; Frank Mitten, chimes.
WJJD, Mooseheart, Ill. (370.2m-810kc), 5:30-7 p. m., dinner concert; Howard Peterson, organist; Palmer House symphony orchestra; Victorians; 8-9, child artists, solos, bands; 10-11, Victorians, quartet; 12:30 a. m., Knights of the Burning Candle.
WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., A. M. Wolff's entertainers; 7:30, Ide and Meginnity; 9, Jean Goldkette's orchestra.
WKRC, Cincinnati, Ohio (422.3m-710kc), 8 p. m., Alvin Roehr and his Hotel Alms orchestra; 8:45, Marie Turner; 9, Bernie Cummins orchestra; 9:30, classical program; 9:45, dance music.
WLIB, Chicago, Ill. (302.8m-990kc), 7-7:05 p. m., million sing; 7:05-7:15, Old-fashioned almanack; 7:15-8, Hires Harvesters; 11-11:20, Correll and Gosden; 11:20-1 a. m., Liberty studio ensemble; Ambrose Larsen, organist; Tommy Thatcher's Drake hotel dance orchestra; Purple Grackle orchestra.
WLW, Cincinnati, Ohio (422.3m-710kc), 12:05 p. m., organ concert by Mildred Prigge; 6:15, Norrine Gibbons, Priscilla Holbrook; 7, dinner concert, Hotel Gibson; 7:45, continuation of Hotel Gibson orchestra, 10, three minute message, U. S. Civil Service department; popular concert, Doherty Melody Boys; 11, Irene Downing and Tommy Reynolds; 11:30, Henry Theis' orchestra; 12:15, Night Howls.
WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Hotel LaSalle orchestra; 8, John Loring; 9:20, Edward Graening, violinist.
WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon ensemble; Hernes Brothers, Hungarian Harmonica Twins; 9-11, Trianon orchestra; ensemble; Wellington Forbes, Bob Bennett, Bob Duffy.
WOK, Chicago, Ill. (217.3m-1380kc), 4:30-7 p. m., Capitol theater organ; Tip Top Inn string ensemble; 10-1:30 a. m., Tearney's Town club orchestra; Carl Lorraine's Pershing Palace orchestra; Midway Garden orchestra; Capitol theater program.
WORD, Batavia, Ill. (275.1m-1090kc), 8 p. m., music; 8:35, Cosmopolitan School of Music.
WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Gardens orchestra; Columbia school; 10-2 a. m., Jerry Sullivan; Hal Geise; Lew Butler; Bert Davis.
WRC, Washington, D. C. (468.5m-640kc), 7 p. m., WJZ; 7:30, U. S. Marine band, WJZ, WGY; 9, Royal Salon orchestra, WJZ, WGY, WCAD; 9:30, WRC players; 10, Meyer Davis' Swanee syncopators.
WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., Gold Standard ensemble; 8:15, Reo Broadcasting orchestra.
WRVA, Richmond, Va. (256.3m-1170kc), 8:45 p. m., an evening of music: Joseph Whittemore's group; Mrs. R. Kent, concert pianist; Carry Me Back to Old Virginny.
WSAI, Cincinnati, Ohio (325.9m-920kc), 7:15 p. m., WEAF; 8, WEAF; 9:15, WEAF.
WSWS, Chicago, Ill. (275.1m-1090kc), 6 p. m., Stephen A. Day, Rita McFawn, Hugh Aspinwall, tenor, Josephine Oliver, violinist; Marjorie Terry, pianist, orchestra; Golden trio; 10-11, Terrace Gardens quintet, "That Old Sweetheart of Mine;" 11-12, Hallelujah Boys; Kenneth Clark; Rudy Winter; Billy Schaefer, Hamilton Harding; 12-1, Witching hour.
WTAM, Cleveland, Ohio (389.4m-770kc), 6:15 p. m., Hollenden hotel orchestra; 7:15-9, WEAF; 9, studio program.
WTIC, Hartford, Conn. (475.9m-630kc), 7 p. m., popular songs, Joseph Clayton; 7:30, Mrs. H. G. Hancock, soprano; 7:45, J. George Westerman, violinist; 8, For-an-to Melody Makers, Travelers male quartet; 9, Hotel Bond dance orchestra.
WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7, WEAF.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 3:30-1 p. m., Buick Master Six orchestra.
KFH, Wichita, Kan. (267.7m-1120kc), 6:30-7 p. m., piano playing contest; 7-8, Al Hiner and Forrest Markle; Henry Martin, old-time fiddler.
KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., Christian church mixed program.
KLDS, Independence, Mo. (440.9m-680kc), 8 p. m., studio program.
KMA, Shenandoah, Iowa (252m-1190kc), 9-11 p. m., Ye Olde Tyme gang orchestra.
KMMJ, Clay Center, Nebr. (288.9m-1310kc), 8 p. m., Hanson's orchestra.
KPRC, Houston, Tex. (296.9m-1010kc), 7:30 p. m., Harry Kobusch and his orchestra; 8:30, Gregor Jassel, Russian violinist; Mrs. S. J. Pfeiffer, artists accompanist; 9, Southern Pacific Lines band.
KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10-9:45 p. m., Lawson Reid, organist; 9:45-10, Lon Chassy, violinist; John G. Heyn, pianist.
KVOO, Bristow, Okla. (374.8m-800kc), 6-9 p. m., surprise program.
KWWG, Brownsville, Tex. (277.6m-1080kc), 8:30-9 p. m., Spanish songs, Sr. Revueltas; Hawaiian music, George Desha; 9-9:20, Beth Sewell, pianist; 9:20-9:40, Mrs. Alberta Archer Kirby, soprano.
KYW, Chicago, Ill. (535.4m-560kc), 6 p. m., musicale, Hearst square; 8-9:30, classical concert; 9:30-10:30, Congress carnival.
WBAP, Fort Worth, Tex. (475.9m-630kc), 7:30-8:30 p. m., Davis Baking Powder saxophone octet; 9:30-11, Harmony club; 11-12, Sorin-White's Top of Texas orchestra.
WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 7 p. m., WEAF; 9, LaSebana program; 9:30, Portal players.
WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., Billy Adair's orchestra; 11:45-1 a. m., Zez Confrey's orchestra; Johnnie Campbell's orchestra; Earl Coleman's orchestra; Earl Thurston, organist.
WFAA, Dallas, Tex. (475.9m-630kc), 6:30-7:30 p. m., Jimmy Joy's orchestra; 8:30-9:30, Rea Nunnallee and Van Alstyne.
WHAS, Louisville, Ky. (399.8m-1000kc), 7:30-9 p. m., Virginia Vetter's entertainers.
WHB, Kansas City, Mo. (365.6m-820kc), 7-7:30 p. m., Morrill Moore, organist; 8-9, musical play, Lela Ward Gaston; 9-10, program, Drake hotel.
WHO, Des Moines, Iowa (526m-570kc), 7:30-8 p. m., Raleigh quartet; 8-9, Bankers Life trio; 11-12, Bankers Life Corn Sugar orchestra.
WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Cooper's Hawaiians.
WOAI, San Antonio, Tex. (394.5m-760kc), 8:30 p. m., Mistletoe Melody Maids.
WOAW, Omaha, Nebr. (526m-570kc), 6 p. m., organ; 6:50, Randall's Royal Fontenelle orchestra; 9, classical.
WOC, Davenport, Iowa (483.6m-620kc), 5:45-5:55 p. m., chimes concert; 6-9, WEAF; 9-9:30, musical program, Moline Plowboys.
WRR, Dallas, Tex. (245.8m-1220kc), 6-7 p. m., dinner hour; 8-9, musicale; 9:30-10:30, Dyo studio.
WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., Smith Sacred singers; 10:45, Charles A. Sheldon, organist.
WSMB, New Orleans, La. (319m-940kc), 8:30 p. m., Schilling's society serenaders; Radio Revelers, Liberty theater orchestra.
WSOE, Milwaukee, Wis. (245.8m-1220kc), 7 p. m., dinner music; 8, Wisconsin Bible conference; 9, Lakefront studio program.

Mountain Standard Time Stations

CNRC, Calgary, Can. (435.8m-688kc), 9 p. m., Hadyn male quartet; symphony orchestra.
KFXF, Colorado Springs, Colo. (250m-1200kc), 9 p. m., dance music.
KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., program, students University of Southern California; 8-9, Kanner string trio, Paul Lobanoff, tenor; 9-10, variety program; 10-11, Patrick-Marsh dance orchestra, Betty Patrick, soloist.
KFWB, Hollywood, Calif. (252m-1190kc), 6-7 p. m., Pontiac Six dinner hour; 8-9, program, McGavin Brothers Bakery; 9-10, program, Dell's Ice Cream company; 10-11, Warner Brothers frolic.
KGO, Oakland, Calif. (361.2m-830kc), 8-9 p. m., vacation program, touring information; Jerome Damonte, accordion soloist; Fishin' Jim Pike; WOW male trio; 9-12, Brokaw and orchestra.
KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-10, vaudeville program, Four Sailors; Ebony and Ivory, piano duet; Motor Coach entertainers; Tommy Luke's Flower girls; 10-12, Cole McElroy's dance orchestra.
KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., Uncle John and the children; 8-10, salon in honor of Charles Wakefield Cadman; 10-11, dance music.
KJR, Seattle, Wash. (384.4m-780kc), 8:30-10 p. m., orchestra; 10-10:30, Benjmin Franklin Electric company; 10:30-12, Keep Joy Radiating Order of Bats.
KNX, Hollywood, Calif. (336.9m-890kc), 7-8 p. m., program, Wright, Alexander and Greeley; 8-9, Willys-Overland dealers; 9-11, KNX feature program; 11-12, Ambassador hotel dance orchestra.
KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7 p. m., States Restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel orchestra; 8-9, program, Caswell Coffee company; 9-10, saxophone band; 10-11, Cabiria cafe dance orchestra.
KPSN, Pasadena, Calif. (315.6m-950kc), 6-6:15 p. m., dinner time news; 8-9, Pasadena Chamber of Commerce.
KTAB, Oakland, Calif. (239.9m-1250kc), 8-10 p. m., program.

Friday, June 18

Headliners Today

Atlantic Eastern Central Mountain Pacific
8:15 p. m. 7:15 6:15 5:15 4:15
WGY (379.5m-790kc), "Iolanthe."
9 8 7 6 5
WBZ (333.1m-900kc), Tuesday Morning Music club.
WEBH (370.2m-810kc), WLS (344.6m-870kc), WMAQ (447.5m-670kc), Civic reception papal legate, Eucharistic congress.
9:30 8:30 7:30 6:30 5:30
WAHG (315.6m-950kc), Bandonion soloist.
10 9 8 7 6
CNRT (356.9m-840kc), Philharmonic quartet.
WSM (282.8m-1060kc), Peabody College Ensemble singers.
10:20 9:20 8:20 7:20 6:20
WGY (379.5m-790kc), Swedish program.
WOS (440.9m-680kc), Vee Latty and band.
10:30 9:30 8:30 7:30 6:30
WGR (319m-940kc), Welland's Citizens' band.
11 10 9 8 7
WBAL (245.8m-1220kc), Municipal band concert.

Friday, silent night for: CFAC, CKAC, CKNC, CKY, CNRC, CNRM, CNRO, CNRR, CNRW, KFAU, KFWA, KFXF, KLDS, KPRC, KPSN, KSAC, KWSC, PWX, WBBR, WCAD, WCBD, WEAO, WGBS, WGST, WHAZ, WIP, WJAZ, WKRC, WLW, WLWL, WOR, WRC, WREO, WRVA, WSAI, WSMB, WSUI, WTAM.

Atlantic or Eastern Daylight Saving Time Stations

CNRA, Moncton, Can. (312.4m-960kc), 9 p. m., Sunbeam club orchestra; 11, CNRA dance orchestra.
CNRT, Toronto, Can. (356.9m-840kc), 6:30 p. m., King Edward hotel concert orchestra; 10, Philharmonic quartet; 11, King Edward hotel dance orchestra.
WAHG, Richmond Hill, N. Y. (315.6m-950kc), 7:30 p. m., Sylvia Solow, violinist; 7:45, Sophie Schall Thies, soprano; 8, Great Artist organ recital; 9, Fred Gerrold, baritone; 9:15, Philipp Fey, tenor; 9:30, Reinhold Rieschick, bandonion soloist; 10:05, Shell Beach trio; 10:25, Southland dance orchestra; 11:02, Southland dance orchestra.
WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., WBAL dinner orchestra; 8-9, concert; 9-10, municipal band.
WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert; 8, studio program; 9:30, concert; 10, WEAF; 10:30, WEAF.
WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:45 p. m., Hotel Pennsylvania concert orchestra; 7:30, Snellenburg instrumental trio; 8, Sullivan Brothers; 8:15, Enrico Aresoni, tenor; 8:30, Singing Groundhog; 8:45, Dwight Strickland, "poetician;" 9, Regina Crooners; 9:15, Nasco Jolly Four; 10, Archie Lloyd, Tille Shapiro and Kathryn Jordan, harmony songs; 10:30, Myers Musical Architects.
WCSH, Portland, Me. (256.3m-1170kc), 10:30 p. m., WEAF.
WEAF, New York, N. Y. (491.5m-610kc), 6-12 midnight, dinner music; Gene Ingraham and his Great Top Notch Inn ochestra; Whittal Anglo-Persians; Ben Bernie and his orchestra; Pelham Heath Inn orchestra.
WEBJ, New York, N. Y. (272.6m-1100kc), 7 p. m., Blue Bell serenaders; 7:30, Luna's Knickerbocker Grill orchestra; 8, Fanny Jacobs, soprano; 8:15, Sigmund Brunislav, tenor; 8:30, Luna's Marine band.
WEEI, Boston, Mass. (348.6m-860kc), 7:30 p. m., Whiting Milk company program; 8, musicale; 8:30, Sandy MacFarlane; 9, Musical Chef; 9:30, WEAF; 10:30, Ed Andrews' Nautical dance orchestra.
WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra.
WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., Woodcliffe orchestra of Dunkirk, N. Y.; 7:30, WEAF; 8:30, Enola Hamblin, pianist; 9, Solow soloists; 9:30, WEAF; 10:30, Citizens' band; 11:30, Vincent Lopez Hotel Statler dance orchestra.
WHAR, Atlantic City, N. J. (275.1m-1090kc), 8 p. m., Seaside hotel trio.
WHN, New York, N. Y. (361.2m-830kc), 7 p. m., Country club orchestra; 7:30, Treasureland Neighbors; 9:30, Palisades Amusement Park orchestra; 10, Roseland dance orchestra; 10:30, Strand Roof orchestra; 11:30, Club Alabam orchestra; 12, Silver Slipper orchestra.
WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 7, songs by Mary and Helen Leedom.
WJAR, Providence, R. I. (305.9m-980kc), 8 p. m., musicale; 8:30, Gorman's Jolly Bakers; 9, musicale; 10, WEAF; 11, Providence Biltmore dance orchestra.
WJZ, New York, N. Y. (454.3m-660kc), 7 p. m., George Olsen's Hotel Pennsylvania Grill orchestra; 8, Sundial Shoe serenaders; 8:30, Bonnie Laddies; 9, Snider's Catsup hour.
WLIT, Philadelphia, Pa. (394.5m-760kc), 9 p. m., Schickerling artists; 10, Morning Glory club; Arcadia cafe dance orchestra; 10:30, Rufus and Rastus; 11, Freshman Masterpiece hour.
WMAK, Buffalo, N. Y. (265.3m-1130kc), 6:30-7:15 p. m., dinner music, Hotel Lafayette; 7:30-8:15, musicale; 8:15-10:30, WGY players; 10:30-11:30, University Terrace Sub-division.
WMCA, New York, N. Y. (340.7m-880kc), 6:30 p. m., Ernie Golden and his Hotel McAlpin orchestra; 8:40, Muscle Shoals; 8:50, Broadway association; 9, Paul Whitman's Beau Rivage orchestra; 9:30, Klein's Serenading Shoemakers; 12 mid, McAlpin entertainers.
WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Ritz Carlton dance orchestra; 8:15, WOO orchestra, Robert E. Golden, director; 9:25, Fox theater studio program; 10, WEAF; 10:30, Sylvania dance orchestra.
WOR, Newark, N. J. (405.2m-740kc), 7 p. m., Hotel Bretton Hall string quartet.
WPG, Atlantic City, N. J. (299.8m-1000kc), 6:45 p. m., Arthur Scott Brook, organist; 7, Hotel Traymore dinner music; 7:30, Elks home dinner music; 8, Marine studio; 9, Hotel Ambassador concert orchestra; 10, Ted Weems and his Novelty dance orchestra; 10:30, Hotel Traymore Grille dance orchestra; 11, Jean Weiner, organist.
WTAG, Worcester, Mass. (267.7m-1120kc), 8:15 p. m., program; 10-10:30, WEAF.

Eastern Standard or Central Daylight Saving Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 5:30 p. m., Art Giles Everglad orchestra; 8:30, KDKA trio.
WBBM, Chicago, Ill. (225.4m-1330kc), 8-10 p. m., Safety First playlet; Hazel McBroom, contralto; Alemite High Pressure orchestra; Vanity Fair orchestra.
WBZ, Springfield, Mass. (333.1m-900kc), 6 p. m., Hotel Lenox ensemble; 6:33, Bob Patterson's Hotel Kimball trio; 8, Tuesday Morning Music club; 9, quartet; 9:30, Hotel Brunswick orchestra.
WCAP, Washington, D. C. (468.5m-640kc), 6:55-8 p. m., studio program; 8-8:30, special Father's Day program; 9-9:30, WEAF; 9:30-10:30, studio program.
WEBH, Chicago, Ill. (370.2m-810kc), 7 p. m., Osborn's orchestra; Bernard Weber, Pauline Sachs; 9, Osborn's orchestra; Bernard Weber; 11-12:30, orchestra; Irene Beasley; Flo and Ray, Cook Sisters.
WENR, Chicago, Ill. (265.3m-1130kc), 6-7 p. m., Rauland lyric trio; 8-9, Moody Bible Institute hour; 9-10, Arthur Dunas, popular program; 12-2 a. m., midnite frolic.
WGES, Oak Park, Ill. (249.9m-1200kc), 5-7 p. m., old-time favorites, Art Bilquist, Will Rossiter, Pat Ryan, Peggy and Esther, Eddie Freckman; 8-9, Joe Warner, Joie Walsh, Tom Wheeler, Melody Girls; 11-1 a. m., Clarence Theders, Billy Fagan, Esther Richards.
WGHB, Clearwater, Fla. (265.3m-1130kc), 8:30-10 p. m., Mrs. Howard Moore, organist.
WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert; 10-11, WGHP entertainers; 11-12, Skylark dance band; Albertine Schmittke, soprano; 12-1 a. m., Gerald Marks' orchestra.
WGN, Chicago, Ill. (302.8m-990kc), 6:35-7 p. m., musical program; Drake concert ensemble, Blackstone string quintet; request program; 7:15-8:15 Paul Ash; 8:15-9:30, quartet; 9:30-10, Phantom violin; 10-10:10, Sam 'n' Henry; 10:10-11, musical program, ensemble.
WGY, Schenectady, N. Y. (379.5m-790kc), 6 p. m., Hotel Van Curler orchestra; 6:35, WGY orchestra; 7:15, "Iolanthe," WGY Light Opera company; 9:30, Swedish program, Maud L. Welin, soprano.
WHT, Chicago, Ill. (399.8m-750kc), 7 p. m., Al Carney; 10:15 (238m-1260kc), Cinderella cafe orchestra; 10:30 (399.8m-750kc), Sunbeam Girl; 12 midnight, your hour league.
WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., dinner program, string trio; Charlotte Edwards, contralto; 10-2 a. m., popular program; Ted Fiorito, pianist; Dan Russo, violinist; songs, monologues; Tony Corcoran; Hickey and Johnson.
WJAZ, Chicago, Ill. (329.5m-910kc), 9-12 mid., Earl Hoffman's Chez Pierre orchestra; The Quips that Pass in the Night; Loring Finnell, pianist; Helen Mosten, violinist; Chez Pierre Hawaiian quartet.
WJJD, Mooseheart, Ill. (370.2m-810kc), 5:30-7 p. m., Jack Nelson; Howard Peterson, organist; Victorians; 8-9, child artists, solos, bands; 10-11, Senator Harold C. Kessinger; Palmer House Victorians; 12:30 a. m., Settin' Up hour.
WJR, Detroit, Mich. (516.9m-580kc), 7 p. m., Petite symphony orchestra; 7:30, Arctic Specials; 9, Mulkey Celebrities; 9:30, R. M. Grennan Protectors.
WLIB, Chicago, Ill. (302.8m-990kc), 7-7:05 p. m., Million sing; 7:05-7:15, Old-fashioned almanack; 11-11:20, Correll and Gosden; 11:20-1 a. m., Liberty studio ensemble; Ambrose Larsen, organist; Tommy Thatcher's Drake hotel dance orchestra; Fred Hamm's Purple Grackle orchestra.
WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Wide-Awake club program; 8, musical program; 8:30, Whitney trio; 9:20, musical program, chimes.
WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon duo, special artists, old-time songs; 9-11, Trianon orchestra; trio; Krueger and Dillon, banjo barons; Joe Warner, popular program.
WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9 p. m., "Liszt"; 9:15, classical concert, Emma Scott Sweet, director; 10:05, Edith Sanders, pianist.
WOK, Chicago, Ill. (217.3m-1380kc), 4:30-7 p. m., Capitol theater organ; studio program; Tip-Top Inn string ensemble concert; 10-1:30 a. m., Tearney's Town club orchestra; Midway Garden orchestra; Capitol theater program.
WORD, Batavia, Ill. (275.1m-1090kc), 7 p. m., North Shore line; 9, station program.
WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Gardens orchestra; 10-2 a. m., Rainbo Gardens orchestra; Dr. H. Lucille Long, woman harmonica player; Muriel Olsen; Johnny Poat.
WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., Speed-Wagon serenaders; Gold Standard ensemble.
WRVA, Richmond, Va. (256.3m-1170kc), 7 p. m., dinner music; 8:10, Old Country Fiddlers; 8:45, Dorothy Dick, violinist; Jule Hardy, pianist; Claire Dixon, singer-reader; 10, Hotel Richmond dance orchestra; 11, Carry Me Back to Old Virginny.
WSWS, Chicago, Ill. (275.1m-1090kc), 6-7 p. m., Josephine Oliver; Edward Holt, pianist; Alice Marie Martel; Fay and Martel; 8, Gus Edwards orchestra; Borden Brothers; Harmony Douglas Bowers; John

FATHER'S DAY OVER WEAF CHAIN

Friday, June 18

Clark; 10, Terrace Garden quintet; Ruth Boutay; Sid Pierson; Freddie Wittmer; Flo and Ray; 12-1 a. m., Witching hour.

WTAM, Cleveland, Ohio (389.4m-770kc), 6:45 p. m., Hotel Cleveland orchestra; 8, orchestra program; 9:30, studio program.

WTIC, Hartford, Conn. (475.9m-630kc), 6:50 p. m., Laura C. Gaudet, pianist; 7:15, Joseph Waas, bass; 7:30, Colt's Park Municipal orchestra; 8:30, Mildred Warner, soprano; Rober Young, baritone; 9, Mr. and Mrs. Phillip Shailer; 9:30, WTIC mail bag; 9:45, Debutants.

WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 8, News orchestra; 9, WEAF.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., dinner concert; 8:30-9, Buick Little symphony orchestra; 9-10, Beck's orchestra.

KFDM, Beaumont, Tex. (315.6m-950kc), 7:30-8 p. m., band; 8-10, artists.

KFH, Wichita, Kan. (267.7m-1120kc), 6:30-7 p. m., piano playing contest; 7-8, musicale.

KFKX, Hastings, Nebr. (288.3m-1040kc), 9-11 p. m., program, L. B. Conklin orchestra.

KFNF, Shenandoah, Iowa (263m-1140kc), 7:30 p. m., Widney Sisters.

KMA, Shenandoah, Iowa (252m-1190kc), 9-11 p. m., De Luxe program.

KMMJ, Clay Center, Nebr. (288.9m-1310kc), 8 p. m., varied musical program.

KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., organ recital, Jacquinot Jules; 7, orchestra, popular music, saxophone quintet; Mary Jane, ukulele soloist; Erwin Thurman, Frank Suda, whistlers; 8, orchestra, light opera selections; 9, soloists; 9:30, "Bamalogue"; 10, orchestra, music lover's hour, classical selections, Helen Musick, dramatic soprano.

KSO, Clarinda, Iowa (241.8m-1240kc), 8 p. m., music; 8:10, special report; 8:30, Baker and Anderson harmony team; 8:30, Menthol twins.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10-10 p. m., special request hour, Meyer Davis staff artists; 10-10:45, dance frolic, Como hotel roof garden.

KVOO, Bristow, Okla. (374.8m-800kc), 6-9 p. m., Josephine Storey-White.

KYW, Chicago, Ill. (535.4m-560kc), 6 p. m., musicale; 7-8, Federal Masters; 9:30-11, Congress carnival.

WAMD, Minneapolis, Minn. (243.8m-1230kc), 7:10 p. m., Radisson concert ensemble; John Charles Santley, baritone; 11, Skyrocket frolic, Golden Gate orchestra.

WBAP, Fort Worth, Tex. (475.9m-630kc), 7:30-8:30 p. m., Panther Hawaiian trio; 9:40-11, concert, employees, Fort Worth National bank; 11-12, musicale, Mrs. Conrad Fath.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6:15 p. m., St. Paul hotel concert orchestra; 8, WEAF; 8:30, musicale; 10:05, Nankin cafe orchestra.

WCOA, Pensacola, Fla. (222m-1350kc), 7-10 p. m., Mrs. Sybil Mitchell, pianist; Eddie Collins, saxophonist; First Methodist church choir; Rainbow dance orchestra.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., Harry Frank, organist; 8-8:30, WEAF; 8:30-9:30, varied musicale; 11:45-1 a. m., Zez Confrey's orchestra; Ted Meyn, organist.

WFAA, Dallas, Tex. (475.9m-630kc), 6:30-7:30 p. m., Ozark Inn orchestra; 8:30-9:30, Little symphony orchestra.

WGBF, Evansville, Ind. (236.1m-1270kc), 7 p. m., A. L. Maxwell company; 8, classical; 11, D-X hunting club.

WHAS, Louisville, Ky. (399.8m-1000kc), 7:30-9 p. m., concert, Liberty Insurance bank.

WHB, Kansas City, Mo. (365.6m-820kc), 7-8 p. m., Sweeney Radio orchestra.

WHO, Des Moines, Iowa (526m-570kc), 7:30-9 p. m., Grant Anderson, violinist; Ruth Rollin, soprano; Stewart Watson, baritone; Dessa Wolf, pianist; 11-12, Philbreck and his Younker Tearoom orchestra.

WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Hotel Gayoso orchestra; 11, Clarence Saunders' entertainers.

WOAI, San Antonio, Tex. (394.5m-760kc), 8:30 p. m., San Antonio College of Music program or Walter Dunham Harmonologue.

WOAW, Omaha, Nebr. (526m-570kc), 6 p. m., music review, Hester Bronson Copper; 6:50, Jaffy and Braviroff; 9, Puritan program.

WOC, Davenport, Iowa (483.6m-620kc), 5:45-5:55 p. m., chimes concert; 7-7:30, WEAF; 8:30-9:30, musical program; Mrs. John Malloy, soprano; Fay Paarman, pianist; Emil Hass, reader.

WOS, Jefferson City, Mo. (440.9m-680kc), 8:20 p. m., Vee Latty and band.

WRR, Dallas, Tex. (245.8m-1220kc), 6-7 p. m., dinner hour; 8-9, Beaumont Magnolia band; 11-12, musicale.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., concert; 10:45, concert.

WSBT, South Bend, Ind. (275.1m-1090kc), 7-9:30 p. m., concert.

WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., dinner concert, Andrew Jackson hotel trio; 8, Peabody College ensemble singers; 10, violin and piano recital.

WSOE, Milwaukee, Wis. (245.8m-1220kc), 7 p. m., dinner music; 7:45, Radio Mass singing; 9, Candygram revue.

Lon Chassy, is the "Big Chief" of eighteen KTHS staff artists. His ensemble is heard several times a week. Mr. Chassy also gives monthly solo recitals.

Mountain Standard Time Stations

CNRE, Edmonton, Can. (516.9m-580kc), 8:30-10:30 p. m., Edmonton operatic company.

KFXF, Colorado Springs, Colo. (250m-1200kc), 8 p. m., Mrs. Henry Schmitt, soprano; Mrs. Rolla Tolson, contralto; Mrs. Stanley Effinger, soprano; Mrs. Fred Graves, contralto.

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra; 8, Scheuerman's Colorado orchestra; 8:15, Opus Thirteen club; violin pupils, Howard Reynolds.

Pacific Standard Time Stations

CNRV, Vancouver, Can. (291.1m-1080kc), 9 p. m., Marion Copp, contralto; Kenneth Ross, pianist; Paul Ehrlich, violinist; 10:30, Cabaret Belmont orchestra.

KFI, Los Angeles, Calif. (467m-642kc), 7-7:30 p. m., Carlyle Stevenson's orchestra; 7:30-8, Felipe Delgado's Media Hora Espanola; 8-9, Aeolian organ; 9-10, varied program; 10-11, Packard ballad hour.

KFWB, Hollywood, Calif. (252m-1190kc), 6-7 p. m., Pontiac Six dinner hour; 7:30-8, program, Paralta studios; 8-9, program, John Wright, The Right Tailor; 9-10, studio program; 10-11, Warner Brothers frolic.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-9, vocal and instrumental concert; 9-10:30, vocal and instrumental; 10:30-12, frolic, Keep Growing Wiser Order of Hoot Owls, Pantages stars features.

KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., Children's hour with Uncle John; 8-10, Times de luxe program; 10-11, dance music.

KJR, Seattle, Wash. (384.4m-780kc), 8:30-10 p. m., Post Intelligencer studio program; 10-11, Nute Motor company.

KLX, Oakland, Calif. (508.2m-590kc), 8-9:45 p. m., studio program, Piggly Wiggly company; 9:45-10:30, Athens Athletic club orchestra.

KNX, Hollywood, Calif. (336.9m-890kc), 7-8 p. m., Bad Egg club; 8-9, Jell-X-Cell program with Charlie Melson's Playboys; 9-10, Order of Optimistic Donuts; 10-11, Fights, Hollywood American Legion stadium; 11-12, Ambassador hotel dance orchestra.

KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7 p. m., States Restaurant orchestra; 8-9, James Lono's Hawaiian orchestra; 9-10, Palace Hotel Rose room dance orchestra; 10-11, States Restaurant orchestra.

KTAB, Oakland, Calif. (239.9m-1250kc), 8-10 p. m., program.

Saturday, June 19

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
7:40 p. m.	6:40	5:40	4:40	3:40

WEEI (348.6m-860kc), Lucerne-in-Maine quintet.

8:30	7:30	6:30	5:30	4:30

WEEI (468.5m-640kc), U. S. Navy band.

10	9	8	7	6

WBZ (333.1m-900kc), Bon-Ton Banjoists.

10:30	9:30	8:30	7:30	6:30

WFAA (475.9m-630kc), Mozart choral club.
WMC (499.7m-600kc), Memphis Plectrum orchestra.

11	10	9	8	7

WOAW (526m-570kc), Junior Chamber of Commerce Funcasters.

12 m.	11	10	9	8

WKRC (422.3m-710kc), Sam Jones, Cincinnati Stovepipe.

12:10 a.m.	11:10	10:10	9:10	8:10

KGO (361.2m-830kc), "Rob Roy."

12:30	11:30	10:30	9:30	8:30

KTHS (374.8m-800kc), French harp tunes.

Just think what the WBAP station looks like when this crew of merry maids arrive. They are called Hazel Boyer's Twentieth Century Girls orchestra and are as captivating to look upon as they are to hear.

Saturday, silent night for: CNRA, CNRC, CNRE CNRM, CNRR, CNRT, CNRV, CNRW, KFKU, KFKX, KFRU, KFUO, KFXF, KMA, KOAC, KSAC, KSO, KTAB, KWSC, WABQ, WBAL, WCAL, WCX, WEBJ, WGBF, WGCP, WGHP, WGST, WHA, WHAD, WHAZ, WHN, WHO, WIP, WJAR, WLIT, WLWL, WOS, WRVA, WTAG, WTIC, WWJ.

Atlantic or Eastern Daylight Saving Time Stations

CFCA, Toronto, Can. (356.9m-840kc), 9 p. m., CFCA's summer orchestra.

CKAC, Montreal, Can. (410.7m-730kc), 7:15 p. m., Windsor hotel dinner hour; 8:30, to be announced; 10:30, Windsor hotel dance program.

WAHG, Richmond Hill, N. Y. (315.6m-950kc), 12 mid., midnight variety program.

WBBR, New York, N. Y. (272.6m-1100kc), 8 p. m., Prof. Charles Rohmer, violinist; L. Marion Brown, soprano.

WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert; 8:30, concert.

WEAF, New York, N. Y. (491.5m-610kc), 6-12 mid., dinner music; Sofia Seitz, contralto; musical comedy hits; orchestra; Goldman band concert; "The Buffalodians"; Vincent Lopez' orchestra.

WEEI, Boston, Mass. (348.6m-760kc), 7:40 p. m., Lucerne-in-Maine quintet; 8:15, pop concert, Symphony hall.

WFI, Philadelphia, Pa., (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra; 8:30, recital; 11, Bellevue Stratford dance orchestra.

WGBS, New York, N. Y. (315.6m-950kc), 6:30 p. m., Vincent Sorey concert trio; 6:50, Gerald Goldwater, baritone; 7:05, Vincent Sorey concert trio; 7:45, Royal Arcadians and William C. Pike's orchestra; 10:30, Arrowhead Inn orchestra.

WHAR, Atlantic City, N. J. (275.1m-1090kc), 8 p. m., Seaside hotel trio.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 8:30, program from Marine studio; 8:15, Creatore and his band; 9:30, Charles Fry's dance orchestra from Million Dollar Pier; 10, Nick Nochols orchestra from Garden Pier; 10:45, Ted Weems' Novelty orchestra from Steel Pier; 11:05, organ recital, Germantown theater.

WJZ, New York, N. Y. (454.3m-660kc), 7 p. m., Hotel Madison concert orchestra; 8, Congressional Forum from WRC; 8:30, U. S. Navy night, WRC, WGY; 11, Hotel Mayflower dance orchestra, WRC.

WLIT, Philadelphia, Pa. (394.5m-760kc), 7:30 p. m., Ben Franklin concert orchestra.

WMAK, Buffalo, N. Y. (265.3m-1130kc), 7:30-8:30 p. m., musicale; 8:30-10, concert.

WMCA, New York, N. Y. (340.7m-880kc), 7 p. m., Tapper's orchestra; 9:30, Stanch's orchestra; 11, Ernie Golden and his Hotel McAlpin orchestra; 12, McAlpin entertainers.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Adelphia Roof Garden dance orchestra.

WOR, Newark, N. J. (405.2m-740kc), 6:30 p. m., Jacques Jacobs' Hotel Shelton ensemble; 7:45, Oreste's Queensland orchestra; 8:30, program, Chamber of Commerce of Orange; 11, Crystal Palace orchestra.

WPG, Atlantic City, N. J. (299.8m-1000kc), 6:45 p. m., Arthur Scott Brook, organist; 7, Hotel Morton dinner music; 7:30, Elks home dinner music; 8, Hotel Ambassador dinner concert; 8:15, Creatore and his band; 9:30, dance orchestra; 11:30, Elks home dance orchestra.

Eastern Standard or Central Daylight Saving Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 5:30 p. m., dinner program; 8:30, Westinghouse band.

WBBM, Chicago, Ill. (225.4m-1330kc), 8-2 a. m., Alemite orchestra; Ziegler Stars; Alemite orchestra; Vanity Fair orchestra.

WBZ, Springfield, Mass. (333.1m-900kc), 6 p. m., Capitol theater orchestra; 6:33, Manuel DeHaan, pianist; 7:30, Fitchburg night; 8:30, Max Krulee's orchestra; 9, The Bon-Ton banjoists.

WEBH, Chicago, Ill. (370.2m-810kc), 7-8 p. m., songs, Frank Greif; 9-10, Edgewater Beach hotel orchestra; 11-12 midnight, orchestra; Kay Ronayne; 1 a. m., orchestra; 1-2, frolic.

WENR, Chicago, Ill. (265.3m-1130kc), 6-7 p. m., Rauland lyric trio; 8-9, Arthur Dunas; 9-10, All-American Pioneers; 12-2 a. m., midnite frolic.

WGES, Oak Park, Ill. (249.9m-1200kc), 5-7 p. m., Paradise plane; Eddie Freckman; 8-9, Guyon's Paradise ballroom orchestra; 11-1 a. m., Peggy O'Neil, Esther Richards, Casey and Gervais; Jack Lavin, Earl Hayden, Louis Panico, Guyon's Paradise ballroom orchestra; Bobby Lee.

WGN, Chicago, Ill. (302.8m-990kc), 6:35-7 p. m., musical program; 8-8:10, Auld Sandy; 8:10-8:30, musical program; 8:30, ensemble; 9-9:30, light opera; 9:30, "In a Gondola"; 10-10:10, Sam 'n' Henry; 10:10-11, ensemble.

WGY, Schenectady, N. Y. (379.5m-790kc), 7:30 p. m., Navy night, WRC, WJZ; 9:30, Hotel Sagamore orchestra, WHAM.

WHT, Chicago, Ill. (399.8m-750kc), 7:10 p. m., Al Carney, organist; 7:40, classical hour; 10:15 (238m-1260kc), Cinderella cafe orchestra; 10:50 (399.8m 750kc), Jack Turner, popular singer; Irene Smith; Pan Dandy trio; Badger Four male quartet; 12 midnight, your hour league.

WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., dinner concert; string trio; Frances Schiebe, soprano; Evelyn Elliott, contralto; James Luschanski, trio.

WJAZ, Chicago, Ill. (329.5m-910kc), 9-1 a. m., Earl Hoffman's Chez Pierre orchestra; Mlle. Liseuse, graphologist; program of late popular hits; Chez Pierre Hawaiian quartet.

WJJD, Mooseheart, Ill. (370.2m-810kc), 5:40-7 p. m., dinner concert, Howard L. Peterson; 8-9, Palmer House Victorians; Isabel DeFaut; Simeon Oliver, pianist; 10-11, Palmer House studio; Palmer House Victorians; Cook Sisters; 12-1 a. m., settin' up hour.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Jean Goldkette's serenaders; 9:30, Caspar Lingeman; 11:30, Merry Old Chief.

WKRC, Cincinnati, Ohio (422.3m-710kc), 10 p. m., Bernie Cummins orchestra; 11, Sam Jones; 11:15, Bernie Cummins orchestra; 11:40, classical music.

WLIB, Chicago, Ill. (302.8m-990kc), 7-7:05 p. m., million sing; 7:15-7:30, Drake concert ensemble; Blackstone string quintet; 7:30-8, Drake concert ensemble, Pattison Coates, baritone; 11-11:20, Correll and Gosden; 11:20-1 a. m., Ambrose Larsen, organist; Purple Grackle orchestra.

WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., organ concert classics, Johanna Grosse; 7:30, meeting of the Seckatary Hawkins Radio club; 8, interval of popular requests, Johanna Grosse; 8:30, Eagle quartet; 9, Henry Theis' Famous Castle Farmers.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Hotel LaSalle orchestra; 8, Twins contest; 8:30, photologue; 9, Chicago theater revue.

WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon ensemble; Preston Graves, pianist; 9-11, Trianon orchestra; Woodlawn theater orchestra; ensemble; Jimmy Eggert; Andy Anderson; Trianon syncopators.

WOK, Chicago, Ill. (217.3m-1380kc), 4:30-7 p. m., Capitol theater organ; ensemble; studio program, 10-1 a. m., Tearney's Town club orchestra; Midway Garden orchestra; Pershing Palace orchestra; Capitol theater program; 1-2, orchestras.

WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9 p. m., Elizabeth Barker Van Campen hour of music; 10:05, Bob and Hazel McOsker, Harold DeWindt; Freddie Gleason, Jerry Roach; 10:35, Chuck Helwig's Ramona Gardens orchestra.

WORD, Batavia, Ill. (275.1m-1090kc), 7 p. m., Webster hotel concert program; 9, studio program.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Gardens orchestra; James Kochansky; 1[illegible] m., Jerry Sullivan; Harry Geise; [illegible]-Warner; McFawn, Mury Bieber; Bert Davis.

WRC, Washington, D. C. (468.5m-640kc), 7 p. m., work of congress; 7:30, U. S. Navy band, WJZ; 8:30, to be announced; 10, dance program, 11, Otto F. Beck, organist.

WREO, Lansing, Mich. ([illegible]m-1050kc), 6-7 p. m., Speed-Wagon serenaders; [illegible]-12, Speed-Wagon serenaders.

WSAI, Cincinnati, Ohio (325.9m-920kc), 8 p. m., chimes 8:30, Bicycle playing card sextet; 12, popular program.

WSWS, Chicago, Ill. (275.1m-1090kc), 6 p. m., Terrace Gardens orchestra; Jean Duncan, contralto; Ruth Burnell, pianist; Connie Cerwin, ballads; 8, Woodmar male quartet; Pat Deely, tenor; George Calder, bass; 10, Terrace Gardens quintet; Cook Sisters; Art Billquist; Zola Haynes; Ned Becker, humorist; Flo and Ray; Josephine Oliver, violinist; 12-1 a. m., Witching hour.

WTAM, Cleveland, Ohio (389.4m-770kc), 6 p. m., Collegian serenaders; 7:30, studio program; 8, Hollenden hotel orchestra; 9, Ev Jones and his gang.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., dinner concert; 8:30-10:30, variety program.

KFH, Wichita, Kan. (267.7m-1120kc), 6:30-7 p. m., piano playing contest; 7-8, artists program.

KFNF, Shenandoah, Iowa (263m-1140kc), 11 p. m., old-time music.

KLDS, Independence, Mo. (440.9m-680kc), 11 a. m. Stone church service; 3 p. m., studio program; 6:30, vesper service; 9:15, studio service.

KMA, Shenandoah, Iowa (252m-1190kc), 9-11 p. m., musical features.

KMMJ, Clay Center, Nebr. (288.9m-1310kc), 8 p. m., orchestra.

KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., organ recital, Jacquinot Jules; 7, orchestra; 8, orchestra, light opera selections; popular songs, Eva Sirwell; 9, soloists; 9:30, soloists; 10, chimes, Olde tyme concert.

KPRC, Houston, Tex. (296.9m-1010kc), 8 p. m., Frank Tilton, blind wonder boy pianist; 10:30, Harold Oxley's Warwick hotel orchestra.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10-9:30 p. m., Mrs. Byrd Rigsby, contralto; 9:30-10, French harp tunes, William Hinton; 10-11, Meyer Davis orchestra.

KVOO, Bristow, Okla. (374.8m-800kc), 6-9 p. m., Marshall Van Pool and his Radio orchestra.

KYW, Chicago, Ill. (535.4m-560kc), 6 p. m., hour of music; 7, KYW's Congress hotel studio; 8-9:30, classical concert; 9:30-11, Congress carnival.

KFXF, the Pike's Peak station is proud to claim Tommy Green, Irish tenor, as a staff artist.

WAMD, Minneapolis, Minn. (243.8m-1230kc), 6:30 p. m., Liberty quartet; 7:15, popular musical twins; Harmony twins, Fred Roble, Bob Melchor; Ruth Hokans, contralto; Carl Haubrich, baritone, uke soloist.

WBAP, Fort Worth, Tex. (475.9m-630kc), 9:30-11, Sunflower Girl.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6:15 p. m., Emmet Long's Golden Pheasant orchestra, 8:15, musicale; 10:05, Emmet Long's Golden Pheasant orchestra.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., Ted Meyn, organist; Zez Confrey's orchestra; 11:45-1 a. m., Nighthawk frolic.

WFAA, Dallas, Tex. (475.9m-630kc), 6:30-7:30 p. m., Jimmy Joy's orchestra; 8:30-9:30, Mozart choral club, 11-12, Jack Gardner's orchestra.

WHAS, Louisville, Ky. (399.8m-1000kc), 7:30-8:30 p. m., concert, Mrs. J. W. Chase and Nicholas Bohn; 8:30-9, introducing the largest whistle in the world.

WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Memphis Plectrum orchestra.

WOAW, Omaha, Nebr. (526m-570kc), 6:50 p. m., orchestra; 7:15, Creighton educational period; 9, Junior Chamber of Commerce Funcasters; 10, organ.

WOC, Davenport, Iowa (483.6m-620kc), 5:45-5:55 p. m., chimes concert; 9-10, musical program; Melodie Monarchs.

WRR, Dallas, Texas. (245.8m-1220kc), 6-7 p. m., dinner hour concert; 8-9, musicale.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., Atlanta Atwater Kent hour; 10:45, Journal Hired Help Skylark.

WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., dinner concert, Andrew Jackson hotel trio; 8, popular and barn dance program.

WSMB, New Orleans, La. (319m-940kc), 8:30 p. m., Theodore Roehl and associate artists.

WSOE, Milwaukee, Wis. (245.8m-1220kc), 7 p. m., Elks club studio; 8:30, Sunday school lesson; 9, Lakefront studio program.

WSUI, Iowa City, Iowa (483.6m-620kc), 7:30 p. m., William G. Edmondson, tenor.

Mountain Standard Time Stations

KFXF, Colorado Springs, Colo. (250m-1200kc), 8 p. m., Edgar Laughlin, baritone; Lucinda Shutt, contralto; Evelyn Bissell, pianist.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Al Wesson's orchestra; 8-9, Angelus trio; 9-10, Elnora Rader, contralto; Evelyn Ford, violinist; 10-11, Packard Radio club in popular songs; 11-2 a. m., KFI midnight frolic.

KFWB, Hollywood, Calif. (252m-1190kc), 6-7 p. m., Pontiac Six dinner hour; 8-9 p. m., program, Smith Investment company; 9-11, Warner Brothers frolic.

KGO, Oakland, Calif. (361.2m-830kc), 8:10 p. m., Baldwin Piano company; Radiart trio; August Johnson, baritone; Alice Guthrie Poyner, violinist; Flora Howell Bruner, soprano; "Rob Roy," romantic comic opera; 10-12:30, dance music.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 10-12, Herman Kenin's dance orchestra; Punch Green, pianist.

KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., Uncle John and the children; 8-10, Tower studio program; 10-11, dance music.

KJR, Seattle, Wash. (384.4m-780kc), 8:30-10 p. m., Savage concert orchestra.

KNX, Hollywood, Calif. (336.9m-890kc), 7:30-8 p. m., program, Smith Investment company; 8-9, Luna Park program; 9-10, studio program; 10-11, Ambassador hotel dance orchestra; 11-2 a. m., Hollywood nite, Filmland frolic.

KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7:20 States Restaurant orchestra; 8-12, Cabiria cafe orchestra; Maurice Gunsky, tenor; Merton Bories, pianist.

Sunday, June 20

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
11 a. m.	10	9	8	7

KYW (535.4m-560kc), Church welcome to legate, Eucharistic congress.

12 n.	11	10	9	8

KYW (535.4m-560kc), WLS (344.6m-870kc), Solemn High, Holy Name cathedral, Eucharistic congress.

9 p. m.	8	7	6	5

KYW (535.4m-560kc), WEBH (370.2m-810kc), WMAQ (447.5m-670kc), Vespers, Eucharistic congress.

9:15	8:15	7:15	6:15	5:15

WFAA (475.9m-630kc), Gibson Mandolin and guitar club.

WEAF (491.5m-610kc), WWJ (352.7m-850kc), WCCO (416.4m-720kc), WGR (319m-940kc), WEEI (348.6m-860kc), WSAI (325.9m-920kc), WCAP (468.5m-640kc), Atwater Kent half hour.

9:30	8:30	7:30	6:30	5:30

WGBS (315.6m-950kc), Moscow Art theater.

11	10	9	8	7

KMOX (280.2m-1070kc), Missouri theater.
KOA (322.4m-930kc), Open air concert.

11:30	10:30	9:30	8:30	7:30

WBAP (475.9m-630kc), Hired Hand's symphony orchestra.

12 m.	11	10	9	8

KHJ (405.2m-740kc), Orpheus Four.

12:45 a.m.	11:45	10:45	9:45	8:45

KPSN (315.6m-950kc), Maryland Artists' ensemble.

Sunday, June 20

Sunday, silent night for: CFAC, CHIC, CKAC, CKNC, CNRA, CNRC, CNRE, CNRM, CNRO, CNRR, CNRT, CNRV, CNRW, KFAB, KFAU, KFKX, KFOA, KFWA, KFXF, KLX, KMA, KOAC, KSO, KWSC, WABQ, WAHG, WAIU, WCAU, WDAF, WEAO, WEBJ, WEBW, WFI, WGBF, WGHB, WGHP, WHA, WHAS, WHAZ, WIP, WJAZ, WJJD, WJR, WKAF, WKAR, WMAQ, WMAZ, WMC, WNYC, WOI, WOOD, WRC, WRVA, WSB, WSM, WTAM, WTIC.

Atlantic or Eastern Daylight Saving Time Stations

CFCA, Toronto, Can. (356.9m-840kc), 11 a. m., St. Paul's Anglican church; 7 p. m., Timothy Eaton Memorial church.

WBAL, Baltimore, Md. (245.8m-1220kc), concert orchestra.

WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert; 7:20, Capitol theater, WEAF.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 5 p. m., recital; 5:15, undenominational church services; 5:35, sermon, Rev. John W. Stockwell; 5:45, recital; 6:30, Hotel Pennsylvania concert orchestra; 8, Bonwit Teller ensemble.

WEAF, New York, N. Y. (491.5m-610kc), 3-4 p. m., church service; 4-4:30, sacred music; 4:30-5:30, Federation mixed quartet; 7:20-9:15, Capitol theater; 9:15-9:45, Atwater Kent Radio hour, Allen McQuhae, tenor; 9:45-10:15, musical program announced.

WGBS, New York, N. Y. (315.6m-950kc), 9:30 p. m., Moscow Art theater; 10:45, Daca Cowboy, composer.

WGR, Buffalo, N. Y. (319m-940kc), 10:45 a. m., Westminster Presbyterian church; 7:45, Central Presbyterian church; 9:15, WEAF.

WHN, New York, N. Y. (361.2m-830kc), 7:30 p. m., Calvary Evening services; 10:45, Janssen's Hofbrau orchestra; 12, Sophie Tucker's Playground.

WIP, Philadelphia, Pa. (508.2m-590kc), 4:15 p. m., Community vocal instrumental recital, St. James Episcopal church; 7:15, services, Holy Trinity church; 9:20, Hotel Ambassador concert orchestra; 9:45, concert from Steel Pier.

WJAR, Providence, R. I. (305.9m-980kc), 7:20 p. m., WEAF; 9:15, WEAF.

WJZ, New York, N. Y. (454.3m-660kc), 7 p. m., Park Avenue Baptist Church Carillon; 7:20, Hotel Pennsylvania concert orchestra; 10, Godfrey Ludlow, violinist.

WLIT, Philadelphia, Pa. (394.5m-760kc), 2 p. m., Arcadia cafe concert orchestra; 6:30, organ recital; 7, Ben Franklin concert orchestra.

WMAK, Buffalo, N. Y. (265.3m-1130kc), 7 p. m., Churchill tabernacle.

WMCA, New York, N. Y. (340.7m-880kc), 7 p. m., Ernie Golden and his Hotel McAlpin orchestra; 8, National Tour; 8:30, California Ramblers.

WOO, Philadelphia, Pa. (508.2m-590kc), 10:30 a. m., services, Bethany Presbyterian church; 2:15 p. m., musical exercises, Bethany Sunday school; 6, organ recital.

Eastern Standard or Central Daylight Saving Time Stations

WBAL, Baltimore, Md. (245.8m-1220kc), 7:30-8:30 p. m., WBAL concert orchestra.

WBBM, Chicago, Ill. (225.4m-1330kc), 12:30-2 p. m., sacred concert; 4-6, music; 8-10, Melody hour; 12, Nutty club.

WCAP, Washington, D. C. (468.5m-640kc), 11 a. m., St. John's Episcopal church; 4 p. m., Peace Cross service; 8:15-8:45, WEAF; 8:45-9:45, musicale.

WCBD, Zion, Ill. (344.6m-870kc), 9 p. m., Treble Cleff chorus, cornet quartet; Florence Farrar, contralto; Mark Whiteside, baritone; Mrs. S. Inman, soprano; Richard Hire, violinist; cornet duets, Messrs. Newcomer and Stewart; Evleyn Schultz, reader; Dorothy Schad, pianist.

WEBH, Chicago, Ill. (370.2m-810kc), 10:40 a. m., Seventh Church of Christ, Scientist; 7-9 p. m., artists' program.

WENR, Chicago, Ill. (265.3m-1130kc), 9:15 a. m., church services; 2-3 p. m., Skeeles-Biddle hour of better music; 6-7, Moody Bible Institute Evening hour; 9:30-12, midnite frolic.

WGES, Oak Park, Ill. (249.9m-1200kc), 10:30 a. m., M. E. church; 11:45-1 p. m., High Mass, Our Lady of Sorrows church; 5-7:40, Vogel trio; Casey and Gervais; Peggy O'Neil; Esther Richards, Sylvia Goldsmith, Joie Walsh, Frank Hayes; 11-1, Harry Davis, Ray Hibbler, Melody Girls; Lew Butler, Frank Sylvano, Louis Panico; Guyon's Paradise ballroom orchestra.

WGHP, Detroit, Mich. (270.1m-1110kc), 11 a. m., Grosse Pointe Memorial church.

WGN, Chicago, Ill. (302.8m-990kc), 6:35-7 p. m., musical program; 7-7:20, The Million Sing; 7:20-7:30, Old-Fashioned Almanack; 7:30-8, music; 8:15-8:45, WEAF; 8:45-9, music; 9-10, "Our Music Room"; 10-10:10, Sam 'n' Henry; 10:10-11, musical program.

WGY, Schenectady, N. Y. (379.5m-790kc), 9:30 a. m., St. George's Episcopal church; 6:30 p. m., St. George's Episcopal church; 8, WEAF; 9, WJZ.

WHT, Chicago, Ill. (399.8m-750kc), 1-11:30 p. m., Paul Rader.

WIBO, Chicago, Ill. (225.4m-1330kc), 10:15 a. m., First M. E. church of Evanston; 2-4 p. m., program, Uptown Conservatory of Music; 6-8, dinner concert, string trio; Helen Snyder, Eugene Wallenius, Robert Wessling; 10-12, popular program, artists.

WJJD, Mooseheart, Ill. (370.2m-810kc), 7:45 a. m., Roman Catholic services; 9:40, Protestant services; 2:30 p. m., concert; 3:30, Bible class; 4-5, Palmer House symphony orchestra.

WJAZ, Chicago, Ill. (329.5m-910kc), 7-9 p. m., classical music program, Spanish Garden studio; Dangremond trio; Esther Goodwin, contralto; Storm Bull, pianist.

WJR, Pontiac, Mich. (516.9m-580kc), 10:30 a. m., First Baptist church.

WKRC, Cincinnati, Ohio (422.3m-710kc), 6:45 p. m., Walnut Hills Christian church; 10, Eugene Schmidt, baritone; Carolyn Schlosser, reader; Patricia Conway, violinist; Eugene Perazzo, pianist; 11:15, Bernie Cummin's orchestra; 12, Marie Turner; 12:15, Swiss Gardens.

WLIB, Chicago, Ill. (302.8m-990kc), 5-6:15 p. m., Edward Benedict, organist.

WLW, Cincinnati, Ohio (422.3m-710kc), 9:30 a. m., Sunday school; 10:45, morning worship, Seventh Presbyterian church; 3 p. m., organ recital, Edward A. Fehring, organist; 7:30, services, First Presbyterian church; 8:30, Crosley Evening orchestra.

WMBB, Chicago, Ill. (249.9m-1200kc), 7:40-9 p. m., Fifth Church of Christ, Scientist; 9-11, Trianon orchestra; Woodlawn theater orchestra; popular program.

WOK, Chicago, Ill. (217.3m-1380kc), 6 p. m.,-1 a. m., Tearney's Town club orchestra; Midway Garden orchestra; Pershing Palace orchestra; Capitol theater musical program; ensemble; studio program.

WQJ, Chicago, Ill. (447.5m-670kc), 10 a. m., People's church; 3-4 p. m., Messiah Lutheran church choir; 8-10, Rainbo Gardens orchestra; Shepard Levine, tenor.

WREO, Lansing, Mich. (285.5m-1050kc), 10 a. m., Belfry Plymouth Congregational church; 10:30, First Baptist church; 7:30, Central M. E. church.

WSAI, Cincinnati, Ohio (325.9m-920kc), 11 a. m., church service; 7:45, chimes; 8, Radio sermonette; 8:15, WEAF; 8:45-9:45, band.

WSWS, Chicago, Ill. (275.1m-1090kc), 11 a. m., Moody church; 3:30-5 p. m., popular service, Rev. Philpott; 7-9:30, evening song service.

WTAM, Cleveland, Ohio (389.4m-770kc), 11 a. m., Baptist church; 7, Loew's theater orchestra; 8, twilight hour.

WTIC, Hartford, Conn. (475.9m-630kc), 4 p. m., organ recital, Prof. Harry B. Jepson.

WWJ, Detroit, Mich. (352.7m-850kc), 10:30 a. m., services; 2 p. m., News orchestra; 6:20, WEAF; 8:15, operatic stars.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 4-5 p. m., vesper service; 9-11, musicale, Union College orchestra.

KFDM, Beaumont, Tex. (315.6m-950kc), 11 a. m., St. Marks Episcopal church; 8-9, services.

KFH, Wichita, Kan. (267.7m-1120kc), 11 a. m., First Methodist church.

KFNF, Shenandoah, Iowa (263m-1140kc), 10:45 a. m., First M. E. Church; 2:30 p. m., Golden Rule song service; 3, Men's Gospel team; 6:30, Golden Rule Circle; 8, Christian church.

KMA, Shenandoah, Iowa (252m-1190kc), 8:30 a. m., sacred service; 12:15-1:30 p. m., religious discussion; 4-5, church choir music.

KMMJ, Clay Center, Nebr. (288.9m-1310kc), 9:15 p. m., church service.

KMOX, St. Louis, Mo. (280.2m-1070kc), 8 p. m., The Principia, KFQA; 9, popular entertainment, Skouras Brothers' Sunday Night club.

KPRC, Houston, Tex. (296.9m-1010kc), 11 a. m., First Christian church; 8 p. m., South Main Baptist church; 9:30, El Tex Temple No. 114, Dramatic Order Knights; 11, Texan theater pipe organ concert.

KSO, Clarinda, Iowa (241.8m-1240kc), 10:30 a. m., church services, St. John's Lutheran church.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 11 a. m., First Presbyterian church; 9:05-10, classic hour.

KVOO, Bristow, Okla. (374.8m-800kc), 12:30-7 p. m., pipe organ; Rev. Leeper and his twenty-piece string band; Laughton Family; Oklahoma Cowboy band; Cushing Military band; 7:30-9, Worship hour.

KYW, Chicago, Ill. (535.4m-560kc), 10 a. m., Central church; 3 p. m., studio concert; 8:30-10, classical concert.

WAMD, Minneapolis, Minn. (243.8m-1230kc), 2:30 p. m., organ recital; 7:50, Arthur Faust and stock company; 9:30, Gayle Wood.

WBAP, Fort Worth, Tex. (475.9m-630kc), 11 a. m., First Presbyterian church; 5-6, musicale; 9:30-11, Hired Hand's Little symphony.

WFAA, Dallas, Tex. (475.9m-630kc), 6-7 p. m., Radio Bible class; 7:15-8, Gibson mandolin and guitar club; 8-9, First Church of Christ, Scientist; 9-9:30, Dr. E. R. Barcus, pastor; 11-12, Ligon Smith's orchestra.

WHAS, Louisville, Ky. (399.8m-750kc), 10 a. m., Broadway Christian church.

WHB, Kansas City, Mo. (365.6m-820kc), 9:40 a. m., Linwood Blvd. Christian church; 11-12:30, Independence Blvd. Christian church; 8-9, church services; 11:15, Morrill Moore, organist.

WHO, Des Moines, Iowa (526m-570kc), 11 a. m., B'nai Jesherum congreation; 5-6 p. m., Bankers Life Little symphonic orchestra; 7:30-8:30, Fourtheenth Cavalry band.

WMC, Memphis, Tenn. (499.7m-600kc), 11 a. m., Second Presbyterian church.

WOAI, San Antonio, Tex. (394.5m-760kc), 11 a. m., First Presbyterian church; 7:45, Central Christian church.

WOAW, Omaha, Nebr. (526m-570kc), 9 a. m., Rev. R. R. Brown; 1:30 p. m., Father Flanagan's Boys' home period; 9, chapel service.

WOC, Davenport, Iowa (483.6m-620kc), 1-2 p. m., Old Folks' musical program, Palmer Little symphony orchestra; 8-8:30, East Main Street church; 9:30-10:30, musical program, Palmer Little symphony, soloists.

WOS, Jefferson City, Mo. (440.9m-680kc), 9:30 a. m., Christian church.

WSB, Atlanta, Ga. (428.3m-700kc), 5 p. m., Inman Park Epworth League program; 7:30, North Avenue Presbyterian church service.

WSM, Nashville, Tenn. (282.8m-1060kc), 7:30 p. m., First Presbyterian church.

WSUI, Iowa City, Ia. (483.6m-620kc), 9 p. m., familiar hymns, William G. Edmondson, Jr.

Mountain Standard Time Stations

KFXF, Colorado Springs, Colo. (250m-1200kc), 11 a. m., First Presbyterian church; 7:45, Jim Goodheart's Denver Sunshine Mission services.

KOA, Denver, Colo. (322.4m-930kc), 11 a. m., Montview Presbyterian church; 6:30 p. m., KOA choristers; 8, open-air concert, Denver municipal band.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-7:30 p. m., Grebe Synchrophase string ensemble; 7:30-8, Jim, Jack and Jean trio; 8-9, Aeolian organ; 9-10, Badger's Hollywood Californians; 10-11, Packard Six dance orchestra.

KFWB, Hollywood, Calif. (252m-1190kc), 9-11 p. m., Warner Brothers Sunday night movie frolic.

KGO, Oakland, Calif. (361.2m-830kc), 11 a. m., First Congregational church; 3:30 p. m., vesper service; 7:45, First Congregational church.

KGW, Portland, Ore. (491.5m-610kc), 10:45-12 noon, services, First Presbyterian church; 7:30-9 p. m., East Side Baptist church; 9-10, Chevrolet symphony orchestra.

KHJ, Los Angeles, Calif. (405.2m-740kc), 7-8 p. m., First Methodist Episcopal church; 8-10, Orpheus Four.

KNX, Hollywood, Calif. (336.9m-890kc), 7-8 p. m., Elinor's concert orchestra, Carthay Circle theater; 8-9, First Presbyterian Church of Hollywood; 9-10:30, program, Beverly Hills Nurseries.

KPSN, Pasadena, Calif. (315.6m-950kc), 10:50 a. m., United Church Brotherhood; 7:45 p. m., First Church of Christ, Scientist; 8:45-9:45, Maryland artists' ensemble.

KTAB, Oakland, Calif. (239.9m-1250kc), 9:45 a. m., Bible lecture; 11, church service; 7:45 p. m., service; 9:30-11, after-service concert.

Monday, June 21

Headliners Today

Atlantic Eastern Central Mountain Pacific

9 a. m. 8 7 6 5

KYW (535.4m-560kc), WLS (344.6m-870kc), WMAQ (447.5m-670kc), Mass of the Angels, Soldiers' Field, Eucharistic congress.

8 p. m. 7 6 5 4

WGR (319m-940kc), Comedy program, Tom and Betty.

8:15 7:15 6:15 5:15 4:15

WTIC (475.9m-630kc), Yale glee and banjo clubs.

8:30 7:30 6:30 5:30 4:30

WEAF (491.5m-610kc), Bureau of Budget program.

WCSH (256.3m-1170kc), Strand theater symphony orchestra.

WHN (361.2m-830kc), George's Surprise.

9 8 7 6 5

WHN (361.2m-830kc), Paul Whitman's orchestra.

10 9 8 7 6

WLW (422.3m-710kc), "A Royal Flush in Music."

WSUI (483.6m-620kc), Bohemian orchestra.

12 m. 11 10 9 8

WSM (282.8m-1060kc), Vito and his Radio Five.

Monday, silent night for: CKAC, CNRA, CNRC, CNRE, CNRM, CNRO, CNRR, CNRT, CNRV, CNRW, KFAU, KFWA, KHJ, KPSN, KWSC, KYW, WBBM, WCBD, WEBH, WEBJ, WENR, WGBF, WGBS, WGES, WGN, WHAS, WHT, WIBO, WIP, WJAZ, WJJD, WLIB, WLS, WMAQ, WMBB, WOAI, WOC, WOK, WORD, WQJ, WRC.

Atlantic or Eastern Daylight Saving Time Stations

CKNC, Toronto, Can. (356.9m-840kc), 9 p. m., CKNC Chamber orchestra; Lawrence DeFoe, tenor; Charles Shearer, baritone.

WAHG, Richmond Hill, N. Y. (315.6m-950kc), 7:30 p. m., Walter Iooss, novelty pianist; 8, Synchrophase hour; 9:15, studio program; 9:40, John and Harry Diehl, zither and piano duets; 10, two Bobs; 10:20, Frank Tremer's orchestra; 12, Ferrucci's Radio Raiders.

WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert; 8:30, Budget bureau program, WEAF; 11:05, dance program.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:35 p. m., recital, N. Snellenburg and company; 8, Carolyn Thomas, soprano; 8:30, the Hood Boys; 8:45, Kathryn Fichthorne, contralto; 9, Merry Minstrels; 9:30, Roy Tracy, tenor; 9:45, Chalfont Sisters, harmony sisters; 10, Madrigal mixed quartet.

WCSH, Portland, Maine (256.3m-1170kc), 8 p. m., WEAF; 9, program; 10, WEAF.

WEAF, New York, N. Y. (491.5m-610kc), 6-12 midnight, dinner music; Elaine Horton, contralto; Bureau of Budget program, U. S. Army band; address, President Coolidge; report, Brig. General Lord; grand opera, "Lucia di Lammermoor"; Palais D'Or orchestra.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra.

WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., Knell's Tokio dance orchestra; 8, Tom and Betty Thomas in comedy program; 8:30, WEAF; 10:30, Woodside male chorus; 11, Vincent Lopez Hotel Statler dance orchestra.

WHAR, Atlantic City, N. J. (275.1m-1090kc), 8 p. m., Seaside hotel trio; 11, Follies Bergere dance orchestra.

WHN, New York, N. Y. (361.2m-830kc), 6:30 p. m., WHN movie club; 7:30, Joe Ward's Swanee entertainers; 8, Roseland dance orchestra; 8:30, "George's Surprise"; 9, Leverich Three and "Peter the Great"; 9:15, Leverich Three and "Peter the Great"; 9:30, Loew's New York orchestra; 10, Palisades Amusement Park orchestra; 10:30, Leroy Smith's orchestra; 11, Cotton club orchestra; 11:30, Club Alabam orchestra; 12, Silver Slipper orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 7, Uncle Wip's bedtime stories; Dorothy May Haws, pianist.

WJAR, Providence, R. I. (305.9m-980kc), 7:45 p. m., musicale; 9, WEAF; 10, WEAF.

FARMERS' PROGRAMS INDEX

Farmer Dinner Concerts

Daily Except Sunday

CENTRAL TIME

KFNF, 12:15-1:35 p. m.

KMA, 11:30-12:30

KSO, 12:30-1:30 p. m.

Tuesday, June 15

Atlantic Eastern Central Mountain Pacific

12 n. 11 10 9 8

KMMJ (228.9m-1310kc), Poultry.

2:13 p. m. 1:13 12:13 11:13 10:13

WHO (526m-570kc), Radio farm school.

KSO (241.8m-1240kc), Farm talk.

2:30 1:30 12:30 11:30 10:30

WMAQ (447.5m-670kc), Prairie Farmer farm talks.

2:45 1:45 12:45 11:45 10:45

WOI (270m-1110kc), "Animal Husbandry."

9:33 8:33 7:33 6:33 5:33

KYW (535.4m-560kc), American Farm Bureau Federation.

10:30 9:30 8:30 7:30 6:30

KOA (322.4m-930kc), Farm question box.

Wednesday, June 16

Atlantic Eastern Central Mountain Pacific

2:15 p. m. 1:15 12:15 11:15 10:15

KSO (241.8m-1240kc), Farm talk.

WHO (526m-570kc), Radio farm school.

2:30 1:30 12:30 11:30 10:30

WFAA (475.9m-690kc), Sears-Roebuck Agricultural program.

2:45 1:45 12:45 11:45 10:45

WMAQ (447.5m-670kc), Prairie Farmer farm talks.

WOI (270m-1110kc), Poultry husbandry.

8:45 7:45 6:45 5:45 4:45

WBZ (333.1m-900kc), Farm management.

9 8 7 6 5

WOS (440.9m-680kc), Evening market hour, poultry questions and answers.

12 m. 11 10 9 8

WHO (526m-570kc), Farm News digest.

Thursday, June 17

Atlantic Eastern Central Mountain Pacific

2:13 p. m. 1:13 12:13 11:13 10:13

WHO (526m-570kc), Radio farm school.

2:15 1:15 12:15 11:15 10:15

KSO (241.8m-1240kc), Farm talk.

2:30 1:30 12:30 11:30 10:30

WMAQ (447.5m-670kc), Prairie Farmer farm talks.

2:45 1:45 12:45 11:45 10:45

WOI (270m-1110kc), Farm crops.

9 8 7 6 5

KPRC (296.9m-1010kc), Southern Pacific agricultural talk.

9:30 8:30 7:30 6:30 5:30

WOI (270m-1110kc), History of the Dairy Industry in Iowa.

9:33 8:33 7:33 6:33 5:33

KYW (535.4m-560kc), American Farm bureau.

10:30 9:30 8:30 7:30 6:30

KOA (322.4m-930kc), Farm question box.

Friday, June 18

Atlantic Eastern Central Mountain Pacific

12 n. 11 10 9 8

KMMJ (228.9m-1310kc), Poultry talk.

Atlantic Eastern Central Mountain Pacific

2:13 p. m. 1:13 12:13 11:13 10:13

WHO (526m-570kc), Radio farm school.

2:15 1:15 12:15 11:15 10:15

KSO (241.8m-1240kc), Farm talk.

2:30 1:30 12:30 11:30 10:30

WMAQ (447.5m-670kc), Prairie Farmer farm talks.

2:45 1:45 12:45 11:45 10:45

WOI (270m-1110kc), Agricultural Economics.

WOS (440.9m-680kc), Evening Market hour, Dairy questions and answers.

9:15 8:15 7:15 6:15 5:15

KSO (242m-1240kc), Farm talk.

9:45 8:45 7:45 6:45 5:45

WCCO (416.4m-720kc), Farm lecture.

10:05 9:05 8:05 7:05 6:05

WOS (440.9m-680kc), Address, Missouri State Marketing bureau.

Saturday, June 19

Atlantic Eastern Central Mountain Pacific

12 n. 11 10 9 8

KMMJ (228.9m-1310kc), Poultry talk.

2 1 12 n. 11 10

KPRC (296.9m-1010kc), Farmers' educational and musical program.

2:15 1:15 12:15 12:15 10:15

KSO (241.8m-1240kc), Farm talk.

2:45 1:45 12:45 11:45 10:45

WOI (270m-1110kc), Soils, questions and answers.

Sunday, June 20,

Atlantic Eastern Central Mountain Pacific

4:30 p. m. 3:30 2:30 1:30 12:30

WFAA (475.9m-630kc), Sunday hour for farmers.

Monday, June 21

Atlantic Eastern Central Mountain Pacific

12 n. 11 10 9 8

KMMJ (228.9m-1310kc), Poultry talks.

2 p. m. 1 12 n. 11 10

WEAO (293.9m-1020kc), Timely Economic Information for the Farmer.

2:15 1:15 12:15 11:15 10:15

KSO (241.8m-1240kc), Farm talk.

2:30 1:30 12:30 11:30 10:30

WMAQ (447.5m-670kc), Prairie Farmer farm talks.

8:15 7:15 6:15 5:15 4:15

WGY (379.5m-790kc), Agricultural program.

8:45 7:45 6:45 5:45 4:45

WSM (282.8m-1060kc), Poultry talks.

9 8 7 6 5

WOS (440.9m-680kc), Livestock questions and answers.

9:30 8:30 7:30 6:30 5:30

WMC (499.7m-600kc), Farm talk.

WOI (270m-1110kc), Horticultural Short Course lecture.

9:45 8:45 7:45 6:45 5:45

WCCO (416.4m-720kc), Farm lecture.

11:30 10:30 9:30 8:30 7:30

KOAC (280.2m-1070kc), Market news.

11:45 10:45 9:45 8:45 7:45

KOAC (280.2m-1070kc), "Preventing and Controlling Infectious Abortion."

12:05a.m. 11:05 10:05 9:05 8:05

KGO (361.2m-830kc), Agricultural Outlook.

12:15 11:15 10:15 9:15 8:15

KOAC (280.2m-1070kc), "Oregon's Agricultural Situation."

Tuesday, June 22

Atlantic Eastern Central Mountain Pacific

12 n. 11 10 9 8

KMMJ (228.9m-1310kc), Poultry talks.

2:15 1:15 12:15 11:15 10:15

KSO (241.8m-1240kc), Radio farm.

2:30 1:30 12:30 11:30 10:30

WMAQ (447.5m-670kc), Prairie Farmer farm talks.

2:45 1:45 12:45 11:45 10:45

WOI (270m-1110kc), "Animal Husbandry."

9:33 8:33 7:33 6:33 5:33

KYW (535.4m-560kc), American Farm Bureau Federation.

10:30 9:30 8:30 7:30 6:30

KOA (322.4m-930kc), Farm question box.

Wednesday, June 23

Atlantic Eastern Central Mountain Pacific

2:15 p. m. 1:15 12:15 11:15 10:15

KSO (241.8m-1240kc), Farm talk.

2:30 1:30 12:30 11:30 10:30

WFAA (475.9m-630kc), Sears-Roebuck Agricultural program.

1:45 12:45 11:45 10:45 9:45

WMAQ (447.5m-670kc), Prairie Farmer farm talks.

WOI (270m-1110kc), Poultry husbandry.

8:45 7:45 6:45 5:45 4:45

WBZ (333.1m-900kc), Diary Farming.

9 8 7 6 5

WOS (440.9m-680kc), Evening market hour, poultry questions and answers.

Thursday, June 24

Atlantic Eastern Central Mountain Pacific

2:15 p. m. 1:15 12:15 11:15 10:15

KSO (241.8m-1240kc), Radio Farm talk.

WOI (270m-1110kc), Farm crops.

2:30 1:30 12:30 11:30 10:30

WMAQ (447.5m-640kc), Prairie Farmer farm talks.

9:30 8:30 7:30 6:30 5:30

WOI (270m-1110kc), Talk.

9:33 8:33 7:33 6:33 5:33

KYW (535.4m-560kc), American Farm bureau.

10:30 9:30 8:30 7:30 6:30

KOA (322.4m-930kc), Farm question box.

Friday, June 25

Atlantic Eastern Central Mountain Pacific

2:15 p. m. 1:15 12:15 11:15 10:15

KSO (241.8m-1240kc), Farm talk.

2:30 1:30 12:30 11:30 10:30

WMAQ (447.5m-670kc), Prairie Farmer farm talks.

2:45 1:45 12:45 11:45 10:45

WOI (270m-1110kc), Agricultural Economics.

9 8 7 6 5

WOS (440.9m-680kc), Evening Market hour. Dairy questions and answers.

9:15 8:15 7:15 6:15 5:15

KSO (242m-1240kc), Farm talk.

9:30 8:30 7:30 6:30 5:30

WOC (483.6m-620kc), Question box.

10:05 9:05 8:05 7:05 6:05

WOS (440.9m-680kc), "Sunshine and Rain."

Saturday, June 26

Atlantic Eastern Central Mountain Pacific

2 p. m. 1 12 n. 11 10

KPRC (296.9m-1010kc), Farmers' educational and musical program.

2:15 1:15 12:15 11:15 10:15

KSO (241.8m-1240kc), Farm talk.

Atlantic Eastern Central Mountain Pacific

2:45 p. m. 1:45 12:45 11:45 10:45

WOI (270.m-1110kc), Soils, questions and answers.

9 8 7 6 5

KDKA (309.1m-970kc), Farm program.

Sunday, June 27

Atlantic Eastern Central Mountain Pacific

4:30 p.m. 3:30 2:30 1:30 12:30

WFAA (475.9m-630kc), Sunday hour for farmers.

Monday, June 28

Atlantic Eastern Central Mountain Pacific

2 p. m. 1 12 n. 11 10

WEAO (293.9m-1020kc), Timely Economic Information for the Farmer.

2:15 1:15 12:15 11:15 10:15

KSO (241.8m-1240kc), Farm talk.

WOC (483.6m-620kc), Talk.

2:30 1:30 12:30 11:30 10:30

WMAQ (447.5m-670kc). Prairie Farmer farm talks.

2:45 1:45 12:45 11:45 10:45

WOI (270m-1110kc), Talk.

8:15 7:15 6:15 5:15 4:15

WGY (379.5m-790kc), Agricultural program.

8:45 7:45 6:45 5:45 4:45

WSM (282.8m-1060kc), Poultry talks.

9 8 7 6 5

WOS (440.9m-680kc), Livestock questions and answers.

9:30 8:30 7:30 6:30 5:30

WMC (499.7m-600kc), Farm talk.

WOI (270m-1110kc), Lecture.

9:45 8:45 7:45 6:45 5:45

WCCO (416.4m-720kc), Farm lecture.

11:30 10:30 9:30 8:30 7:30

KOAC (280.2m-1070kc), Market news.

11:45 10:45 9:45 8:45 7:45

KOAC (280.2m-1070kc), "Summer Preparation of Fall and Winter Vegetable Supply."

12:05 a. m. 11:05 10:05 9:05 8:05

KGO (361.2m-830kc), Agricultural Outlook.

Tuesday, June 29

Atlantic Eastern Central Mountain Pacific

2:15 p. m. 1:15 12:15 11:15 10:15

KSO (241.8m-1240kc), Farm talk.

2:30 1:30 12:30 11:30 10:30

WMAQ (447.5m-670kc), Prairie Farmer farm talks.

2:45 1:45 12:45 11:45 10:45

WOI (270m-1110kc), "Animal Husbandry."

9:33 8:33 7:33 6:33 5:33

KYW (535.4m-560kc), American Farm Bureau Federation.

10:30 9:30 8:30 7:30 6:30

KOA (322.4m-930kc), Farm question box.

Wednesday, June 30

Atlantic Eastern Central Mountain Pacific

1:45 p.m. 12:45 11:45 10:45 9:45

WMAQ (447.5m-670kc), Prairie Farmer farm talks.

2:15 1:15 12:15 11:15 10:15

KSO (241.8m-1240kc), Farm school.

2:30 1:30 12:30 11:30 10:30

WFAA (475.9m-690kc), Sears-Roebuck Agricultural program.

2:45 1:45 12:45 11:45 10:45

WOI (270m-1110kc), Poultry husbandry.

9 8 7 6 5

WOS (440.9m-680kc), Evening market hour, poultry questions and answers.

Monday, June 21

WJZ, New York, N. Y. (454.3m-660kc), 7 p. m., Hotel Madison concert orchestra; 7:55, John B. Kennedy; 8, Maxwell House coffee ensemble; 9, Reading seashore band; 11, Harry Leonard's Waldorf-Astoria orchestra.
WLIT, Philadelphia, Pa. (394.5m-760kc), 8:15 p. m., Arcadia cafe concert orchestra; 8:30, Starr Piano company artists; 9, Stanley hour of music; 10, Arcadia cafe dance orchestra; 10:30, vaudeville features, Fay's theater; 10:45, El Patio dance orchestra.
WMAK, Buffalo, N. Y. (265.3m-1130kc), 6:15-7:15 p. m., Philco serenaders; 7:30-10, musicale; 10-11, musicale, Beaver Products company.
WMCA, New York, N. Y. (340.7m-880kc), 7 p. m., Hofbrau Haus entertainers; 8:15, Muscle Shoals; 8:30, California Ramblers; 9, Paul Whitman's Beau Rivage orchestra; 9:30, Columbia Park entertainers; 10:30, Coughlan entertainers; 11, Ernie Golden and his Hotel McAlpin orchestra; 12, McAlpin entertainers.
WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Ritz Carlton dance orchestra; 8, talk; 8:30, recital; 10, concert from WEAF; 11, Adelphia Roof Garden dance orchestra.

Eastern Standard or Central Daylight Saving Time Stations

WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., dinner orchestra; 8-8:30, Frederick D. Weaver, organist; 8:30-9, male quartet; 9-10, WBAL trio.
WCAP, Washington, D. C. (468.5m-640kc), 6-7 p. m., Washington Post hour; 8-10, WEAF.
WGHB, Clearwater, Fla. (265.3m-1130kc), 8:30-10 p. m., R. B. Hauts, baritone; Bobby Tucker, pianist.
WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert; 8, Little Symphony orchestra; T. Stanley Perry, tenor; 8:30-9:30, famous composer's hour; Little Symphony orchestra; 12-1 a. m., Gerald Marks' orchestra.
WGY, Schenectady, N. Y. (379.5m-790kc), 5:30 p. m., Hotel Van Curler orchestra; 6:30, studio program; 7:15, program; 8-8:30, studio program.
WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Jean Goldkette's Petite symphony orchestra; 7:15, Casper Lingeman; 9, entertainment; 11:30, Jesters.
WKRC, Cincinnati, Ohio (422.3m-710kc), 6 p. m., Alvin Roehr and his Hotel Alms orchestra; 8, Eddie Schoelwer, pianist; 8:20, Public schools program; 9, Robert E. Bentley Post, American Legion; Ben Alley; Mary Steele, contralto; Frank Minard, banjoist; 12, popular songs; 12:30, Edwin Reed and his Garden of Aliah orchestra.
WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., dinner concert, Hotel Gibson; 7:30, theatrical feature; 7:40, Hotel Gibson concert; 8, The Crosley Salon orchestra, "A Royal Flush in Music."
WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9 p. m., Corduroy Tire Little symphony orchestra; 10:05, Savutime program; 10:35, Radio period; 11, "22nd Woodpile."
WOR, Newark, N. J. (405.2m-740kc), 6:30 p. m., Jacques Jacobs' Hotel Shelton ensemble; 7:30, St. Regis Copenhagen quartet; 8:30, Klein's Serenading Shoemakers; 11, Crystal Palace orchestra.
WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., Gold Standard ensemble.
WRVA, Richmond, Va. (256.3m-1170kc), 8:40 p. m., Negro quartet, spirituals; 9:10, Harmony boys, Pat Binford, Bright Keck, Old Dominion orchestra; 10:30-11:30, Hotel Richmond orchestra.
WSAI, Cincinnati, Ohio (325.9m-920kc), 7:30 p. m., bureau of budget, address, President Coolidge; 9:30, musicale; 10, Greenland's orchestra.
WTAM, Cleveland, Ohio (389.4m-770kc), 6 p. m., Hollenden hotel orchestra; 8, Willard symphony; 9, studio program; 10, Willard symphony.
WTIC, Hartford, Conn. (475.9m-630kc), 7:15 p. m., male glee and banjo clubs commencement concert; 8:45, Mrs. W. Sisson, soprano; 9, grand opera; 10:02-10:30, Walter Dawley, organist.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., dinner concert; 8:30-10:30, Buick Master Six orchestra; Gloomy Gus; Eddie Ellingson, original songbird; Cowbell Boys.
KFH, Witchita, Kan. (267.7m-1120kc), 6:30-7 p. m., piano playing contest; 7-8, Gage Brewer's Hawaiians.
KFKX, Hastings, Nebr. (288.3m-1040kc), 9-11 p. m., musicale.
KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., concert.
KMA, Shenandoah, Iowa (252m-1190kc), 9-10 p. m., talk, G. H. Van Houtan.
KMMJ, Clay Center, Nebr. (288.9m-1310kc), 8 p. m., orchestra.
KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., Jacquinot Jules, organist; 7, orchestra; 8, light opera selections, Dixie Four quartet; 9, soloists; 10, orchestra, classical selections.
KPRC, Houston, Tex. (296.9m-1010kc), 7:30 p. m., Elizabeth Ross, pianist; 7:45, Records' Ramblers; 8:30, Dr. Earle J. Shay, tenor; 9, Rozelle Winder, clarinetist; 9:15, Mr. and Mrs. H. Huffmaster; 9:45, Mary Catherine Evans, pianist.
KSO, Clarinda, Iowa (241.8m-1240kc), 8 p. m., music; 8:30, Rose Stadler and entertainers.
KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:05-9:45 p. m., Meyer Davis orchestra; 9:45-10:30, Ray Mullins and his 9-piece orchestra; 10:30-11, Lon Chassy, violinist; John G. Heyn, pianist.
KVOO, Bristow, Okla. (374.8m-800kc), 6-9 p. m., Mrs. J. C. Weaver, "Oklahoma's Sweetheart of the Air."
WAMD, Minneapolis, Minn. (243.8m-1230kc), 7:10 p. m., Hotel Radisson concert ensemble; John Santley, baritone; 11, Skyrocket frolic, Golden Gate orchestra.
WBAP, Fort Worth, Texas (475.9m-630kc), 7:30-8:30 p. m., musicale, Ruth Helen Osborne; 9:30-11, Lions club male chorus; 11-12, entrants, Star-Telegram harmonica and ukulele contest.
WCOA, Pensacola, Fla. (222m-1350kc), 7-10 p. m., 13th Artillery band; Silva's Jazzomaniacs; WCOA string quartet; John E. Frenkel.
WFAA, Dallas, Tex. (475.9m-630kc), 6:30-7:30 p. m., Honey Boys orchestra; 8:30-9:30, Sears-Roebuck Agricultural Foundation program.
WHB, Kansas City, Mo. (365.6m-820kc), 7-8 p. m., Sweeney Symphonic orchestra.
WHO, Des Moines, Iowa (526m-570kc), 7:30-9 p. m., Mrs. George Hippee, soprano; Carl Kilinski, violinist; 11-12, Carlos Meier, organist.
WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Pappalardo Brothers orchestra.
WOAI, San Antonio, Tex. (394.5m-760kc), 8:30 p. m., Sunshine Laundry orchestra.
WOAW, Omaha, Nebr. (526m-570kc), 6:20 p. m., Frank Peterson, tenor; Helen Higgins, pianist; 6:50, Randall's Royal Fontenelle orchestra; 9, classical.
WOS, Jefferson City, Mo. (440.9m-680kc), 8 p. m., Daniel Boone Jones, interstate old fiddling champion.
WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., concert; 10:45, concert.
WSBT, South Bend, Ind. (275.1m-1090kc), 7-9:30 p. m., concert.
WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., dinner concert, Andrew Jackson hotel trio; 8, Mrs. Ralph Gates, soprano; 10, Vito and his Radio Five.
WSUI, Iowa City, Iowa (483.6m-620kc), 8 p. m., Bohemian orchestra.

Mountain Standard Time Stations

KFXF, Colorado Springs, Colo. (250m-1200kc), 9 p. m., Mrs. George A. Edwards, soprano; Henrietta Templeton, pianist.
KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra; 8, Scheuerman's Colorado orchestra; 8:15, KOA orchestra; pupils, William Hines; Charles South.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Owen Fallon's Californians; 8-9, Montebello Choral club; 9-10, program, Walter M. Murphy Motors company, KPO; 10-11, popular program, Meiklejohn Brothers.
KFWB, Hollywood, Calif. (252m-1190kc), 6-7 p. m., Pontiac 6 dinner hour; 7:30-8, program, Dr. Ralph Mitchell and Associated Dentists; 8-9, program, Sealy Mattress company; 9-10, studio program; 10-11, Warner Brothers frolic.
KGO, Oakland, Calif. (361.2m-830kc), 6-6:55 p. m., dinner concert; 8, Best Loved Southern Melodies; 8:05, Gems from the classics; 8:25, Margaret Avery, cellist; 8:50, Joyce Holloway Barthelson, pianist; 9:15, Josephine Holub, violinist; 9:30, Arion trio.
KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-9, organ recital; 9-10, vaudeville entertainment; musical acts, Punch and Judy, Columbia Knit Mermaids; 10-12, Cole McElroy's dance orchestra.
KJR, Seattle, Wash. (384.4m-780kc), 8:30-10 p. m., Post Intelligencer studio program.
KNX, Hollywood, Calif. (336.9m-890kc), 7-7:30 p. m., studio program; 7:30-8, program, Overell's; 8-9, program, L. W. Stockwell company; 9-10, feature program; 10-11, Goodrich Silvertown Cord dance orchestra; 11-12, Ambassador hotel dance orchestra.
KTAB, Oakland, Calif. (239.9m-1250kc), 8-10 p. m., studio program.

Tuesday, June 22

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
7 p. m.	6	5	4	3

KYW (535.4m-560kc), WEBH (370.2m-810kc), WMAQ (447.5m-670kc), Men's night, Eucharistic congress.

8	7	6	5	4

KFRU (374.8m-800kc), Catfish string band.

9	8	7	6	5

WGBF (236.1m-1270kc), Original Four band.

10:30	9:30	8:30	7:30	6:30

WMC (499.7m-600kc), Chickasaw Ramblers.
WOAI (394.5m-760kc), Gerbhardt Mexican players.

11	10	9	8	7

WQJ (447.5m-670kc), First National Violin quartet.

12	11	10	9	8

KGO (361.2m-830kc), Pilgrim's hour.

For stations silent tonight refer to first Tuesday's list.

Atlantic or Eastern Daylight Saving Time Stations

CKAC, Montreal, Canada (410.7m-730kc), 8:30 p. m., C. P. O. S. S. Montcalm members; 10:30, Harold Leonard's Red Jackets.
CNRA, Moncton, Canada (312.4m-960kc), 9 p. m., Kathryn Dickson, soprano; Wilhelmina Flett, violinist; Mrs. Tom Walsh, contralto; Percy Belyea, saxophonist; 11, CNRA dance orchestra.
WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert, William Penn hotel; 8, WEAF; 8:30, WEAF; 9, WEAF; 10, Moment musicale.
WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:30 p. m., Charlie Kerr's dance orchestra; 7:30, Snellenburg instrumental trio; 8:10, The Three Brothers; 8:25, Peter Ricci, baritone; 8:45, Higgins and Burke, song writers; 9, Kuehnle's artists; 9:30, Robert Friser, blind gospel singer; 10, recital; 10:15, Eddie Malle and entertainers; 10:30, Cathay Tea Garden dance orchestra.
WEAF, New York, N. Y. (491.5m-610kc), 6 p. m., dinner music; 8, Grand Prize Eurekas, WEEI, WFI, KSD, WCAE, WWJ, WCSH, WSAI, WTAG, WGR, WCCO, WOC, WTAM, WJAR; 8:30, Gold Dust Twins, WEEI, WFI, WCAE, WGR, WWJ, WOC, WCSH, WJAR, WCCO, WLIB, WTAM, KSD; 9, Eveready hour, WEEI, WFI, WCAE, WGR, WWJ, WOC, WCSH, WJAR, WCCO, WLIB, WTAM, KSD; 9, Eveready hour, WEEI, WFI, WCAE, WGR, WWJ, WOC, KSD, WJAR, WCCO, WTAG, WGN, WTAM, WSAI; 10, variety half hour; 10:30, orchestra; 11-12, Buffalodians dance orchestra.
WEBJ, New York, N. Y. (272.6m-1100kc), 7 p. m., Raymond orchestra; 7:30, Luna's Knickerbocker Grill orchestra; 8:15, Queen's City entertainers; 8:30, Luna's Marine band.
WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra; 8, WEAF.
WGBS, New York, N. Y. (315.6m-950kc), 7 p. m., Arrowhead Inn concert orchestra.
WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., Vincent Lopez Hotel Statler dance orchestra; 8, WEAF.
WHAR, Atlantic City, N. J. (275.1m-1090kc), 8 p. m., Seaside hotel trio.
WHN, New York, N. Y. (361.2m-830kc), 6:30 p. m., Everglades orchestra; 7:30, Will Oakland's Chateau; 8, Treasureland Neighbors; 8:45, Prince Piotti, songs; 9:30, Loew's 83rd Street orchestra; 10, Universal trio; 10:30, Strand Roof orchestra; 11:30, Sophie Tucker's Playground; 11, Country club orchestra.
WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 8, concert, Marine studio; 8:30, Murphy's Minstrels; 9, Chalfont-Haddon Hall dual trio; 10, Creatore and his band; 10:15, Royal Mountain Ash Welsh male chorus; 10:30, recital, Karl Bonawitz, organist; 11, Joseph Samuels dance orchestra; 11:30, Silver Slipper supper club; Eddie McKnight's dance orchestra.
WJAR, Providence, R. I. (305.9m-980kc), 8-10 p. m., WEAF.
WJZ, New York, N. Y. (454.3m-660kc), 7 p. m., Frank Dole; 8, One-up Cut-ups; 8:30, Deltah Pearl hour, WRC, WGY; 9, Breyer hour, WRC will also broadcast; 10, The Grand Tour, Bermuda, WGY, WRC; 10:45, George Olsen's Hotel Pennsylvania Roof orchestra.
WMCA, New York, N. Y. (340.7m-880kc), 7 p. m., Hofbrau Haus entertainers; 8:30, California Ramblers; 9, Paul Whitman's Beau Rivage orchestra; 9:30, Columbia Park entertainers; 10, testing a used car; 11, Ernie Golden and his Hotel McAlpin orchestra; 12 midnight, McAlpin entertainers.
WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Adelphia Roof Garden orchestra.
WOR, Newark, N. J. (405.2m-740kc), 6:40 p. m., Hotel Bretton Hall string quartet.
WTAG, Worcester, Mass. (267.7m-1120kc) 8-8:30 p. m., WEAF; 10-11:30, WEAF.

Eastern Standard or Central Daylight Saving Time Stations

KLDS, Independence, Mo. (440.9m-680kc), 8 p. m., studio program.
KMA, Shenandoah, Iowa (252m-1190kc), 9-11 p. m., Mandolin musicians.
KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., dinner time recital, Jacquinot Jules; 8, orchestra, light opera selections, Ed Goessling, baritone; 9, orchestra, operatic selections; 9:30, orchestra, operatic selections, baritone; 10, orchestra, classical selections, chimes, vocal.
WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., WBAL, dinner orchestra; 8-9, WBAL staff artists; Celia Brace, violinist; George Bolek, pianist; 9-10, municipal band.
WBAP, Fort Worth, Tex. (475.9m-630kc), 7:30-8:30 p. m., Clyde Massengale, baritone; 9:30-11, Allene Patterson Duff, contralto.
WBBM, Chicago, Ill. (225.4m-1330kc), 8-12 midnight, Moss Covered melodies; Howard Osborne's vanity fair orchestra; Matched-Unit quartet.
WCBD, Zion, Ill. (344.6m-870kc), 9 p. m., Third Anniversary program.
WEAO, Columbus, Ohio (293.9m-1020kc), 7:15 p. m., music.
WEBH, Chicago, Ill. (370.2m-810kc), 7-8 p. m., Edgewater Beach hotel orchestra; Kathryn Forbes; Lydia Lochner; 9:10-10, Uptown theater; 11-12:30 a. m., Gail Bandell; Syncopating Serenaders.
WENR, Chicago, Ill. (265.3m-1130kc), 6-7 p. m., Rauland lyric trio; 8-9 Arthur Dunas popular program; 8-10, All-American Pioneers.
WGES, Oak Park, Ill. (249.9m-1200kc), 5-7 p. m., Paradise plane; 8-9, Charles Rothermel's School of Music; 11-1 a. m., Clarence Theders, Flo and Ray, Lew Butler; Peggy O'Neill; Esther Richards; Bobby Lee.
WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert; 8:15, Skylark dance band; Gladys Sanderson and her uke; Charles Coates, baritone; 12-1 a. m., Gerald Marks' orchestra.
WGN, Chicago, Ill. (302.8m-990kc), 6:35-7:15 p. m., Blackstone string quintet, Drake concert ensemble; 8-9, WEAF; 9-10, "Arabian Nights"; 10-10:10, Sam 'n' Henry; 10:10-11, musical program, ensemble.
WGY, Schenectady, N. Y. (379.5m-790kc), 5:30 p. m., Hotel Van Curler orchestra; 6:30, studio program; 7:30, WJZ; 8, musical program; 9-9:30, WJZ.
WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., Cardinals.
WHB, Kansas City, Mo. (365.6m-820kc), 7-7:30 p. m., dinner hour organ concert; 8-9:30, ukulele songsters; Harry Taylor, Sam Martin, Mrs. Taylor, pianist.
WHT, Chicago, Ill. (399.8m-750kc), 7:10 p. m., Al Carney, organist; 7:40, chapel; 10:15 (238m-1260kc), Cinderella cafe orchestra; 10:50 (399.8m-750kc), Pat Barnes and Al Carney; 11:10, U. S. L. half hour of dance music; 12, your hour league.
WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., dinner concert; WIBO string trio; Chester Newmann, baritone; Agnes Buchli, soprano; Charlotte Edwards, contralto; 12, jamboree; Ted Fiorito, pianist; Dan Dusso, violinist; Marie Tully, songs; Wayne Myers, monologist, artists.
WJAZ, Chicago, Ill. (329.5m-910kc), 9-12 mid., Earl Hoffman's Chez Pierre orchestra; The Quips that Pass in the Night; William Hayden, tenor; Henrietta Nolan, violinist; Francis Rosemary Scheib, soprano.
WJJD, Mooseheart, Ill. (370.2m-810kc), 5:30-7 p. m., dinner concert; Jock Nelson; Howard Peterson, organist; Palmer House symphony players; Victorians; 8-9, child artists; 10-11, Victorians; 12:30 a. m., Settin' Up hour.
WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Glover Watson, old-time dance orchestra; 8, Tom Bartel's Boys; 8:30, Jean Goldkette's orchestra.
WKRC, Cincinnati, Ohio (422.3m-710kc), 10 p. m., Eugene Perazzo, organist; 11, Doc Howard's Cuvier WKRC entertainers; 11:30, Bert Lindsey; Abe Farb, Kern Aylward, Merrel J. Schwarz.
WLIB, Chicago, Ill. (302.8m-990kc), 7:15-7:30 p. m., dinner music; 7:30-8, WEAF; 11-11:20, Correll and Gosden; 11:20-1 a. m., Liberty studio ensemble; Ambrose Larsen, organist; Tommy Thatcher's Drake hotel dance orchestra; Fred Hamm's Purple Grackle orchestra.
WLW, Cincinnati, Ohio (422.3m-710kc), 7:30 p. m., "Piano Memories," Adelaide Apfel; 8, The Crosley Burnt Corkers, Tommy Compbell; 9, concert, Formica Symphony orchestra.
WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Hotel LaSalle orchestra; 8:40, music; 9:20, musical program, chimes.
WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon ensemble; Hilda Hinrichs, cellist; Margaret Conrad, violinist; Preston Graves, pianist; Genevieve Burnham, operatic soprano; 9-11, Trianon orchestra; Woodlawn theater orchestra; Joe Warner; Nora Norraine and Lou Sievers, popular program.
WOC, Davenport, Iowa (483.6m-620kc), 5:45-5:55 p. m., chimes concert; 6-8, WEAF; 8-9, musical program, Blackhawk hotel trio.
WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9 p. m., Ye Olde Tyme Songe Feste; 9:30, Regent Grand orchestra; 9:45, Melissa Dvorak, pianist; 10:05, studio program.
WOK, Chicago, Ill. (217.3m-1380kc), 4:30-7 p. m., Capitol theater organ; tenor; string ensemble; 10-1:30 a. m., Tearney's Town club orchestra; Pershing Palace orchestra; Midway Gardens orchestra; Capitol theater program, studio program.
WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Gardens orchestra; Lee Lindig, tenor; 10-2 a. m., Jerry Sullivan; Happy Harry; Bert Davis; Romo Vincent; Nubs Allen; Johnny Poat.
WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., Speed-Wagon serenaders; Gold Standard ensemble; 8:15, Reo Motor Car company band.
WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., concert; 10:45, concert.
WSAI, Cincinnati, Ohio (325.9m-920kc), 7 p. m., WEAF; 7:30, musicale; 8, WEAF; 9, WSAI program.
WSM, Nashville, Tenn. (282.8m-1060kc), 8 p. m., Ivo Glenn, tenor.
WSWS, Chicago, Ill. (275.1m-1090kc), 6 p. m., orchestra; Ruth Metcalfe, Peter Grosse; 8, Jean St. Anne, Christian A. Grimm; Terrace Gardens orchestra; 10, National violin institute string quartet; 12-1, Witching hour.
WTAM, Cleveland, Ohio (389.4m-770kc), 6 p. m., State theater vaudeville; 7-10, WEAF; 10, studio program; 11, Euclid Beach Park orchestra.
WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7, WEAF.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., Little symphony orchestra; 8:05-10:30, U. of Nebraska.
KFDM, Beaumont, Texas (315.6m-950kc), 7:30-8 p. m., children's program; 8-10, band.
KFH, Wichita, Kans. (267.7m-1120kc), 6:30-7 p. m., piano playing contest; 7-8, musicale.
KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., Christian church orchestra.
KMMJ, Clay Center, Nebr. (228.9m-1310kc), 8 p. m., band concert.
KPRC, Houston, Texas (296.9m-1010kc), 7:30 p. m., Kensington hall dance orchestra; 8:30, Seger Ellis, pianist; 9, Paramount Five.
KSO, Clarinda, Iowa (241.8m-1240kc), 8 p. m., music, Dale H. Jahnke and entertainers.
KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:05-9:45 p. m., New Arlington orchestra; 9:45-10, Lawson Reid, organist.
KVOO, Bristow, Okla. (374.8m-800kc), 6-9 p. m., Jimmie Wilson and his Catfish string band.
KYW, Chicago, Ill. (535.4m-560kc), 6 p. m., Chicago Evening American studio; 7, program, Congress hotel; 9-9:30, classical concert; 9:30-10:30, Congress carnival.
WFAA, Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m., Ford's Texas Trumpeters; 11-12 midnight, Jimmy Joy's orchestra.
WGBF, Evansville, Ind. (236.1m-1270kc), 7 p. m., Original Four band; 8, musicale.
WHO, Des Moines, Iowa (526m-570kc), 7:30-8 p. m., Philbreck and his Younker Tea Room orchestra; 8-9, Bankers Life trio; 11-12 midnight, Bankers Life Corn Sugar orchestra.
WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Chickasaw Ramblers; 11, Britlings' Cafeteria orchestra.
WOAI, San Antonio, Texas (394.5m-760kc), 8:30 p. m., Gerbhardt Mexican players.
WOAW, Omaha, Nebr. (526m-570kc), 6 p. m., Hugo G. Heyn, xylophonist; 6:50, orchestra; 9, classical; 10:10, Radio review.

Mountain Standard Time Stations

CNRR, Regina, Canada (312.3m-960kc), 8 p. m., studio program.
KFXF, Colorado Springs, Colo. (250m-1200kc), 8 p. m., George H. Hemus, baritone; Mrs. George H. Hemus, pianist.
KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra.

Pacific Standard Time Stations

CNRV, Vancouver, Canada (291.1m-1080kc), 9 p. m., McIntyre string quartet; 10:30, Cabaret Belmont orchestra.
KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Virginia ballroom orchestra; 8-9, Screen artists string quartet; 9-10, composers series hour; 10-11, Packard Radio club in songs of the day.
KFWB, Hollywood, Calif. (252m-1190kc), 6-7 p. m., Pontiac Six dinner hour; 8-9, program, Richard Hellman, Inc.; 9-10, program, American Brake Testing Machine company; 10-11, Warner Brothers frolic.
KGO, Oakland, Calif. (361.2m-830kc), 8-9 p. m., Eveready program, Bijou orchestra; Florence Fowden, contralto; Helen D'Asalena, soprano; Ricketty-Racketty-Radio Minstrels; California male quartet; 9-10, Pilgrims' hour; 10-12, Madson's Midshipmen.
KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 10-12, dance music, Multnomah hotel, Herman Kenin's dance orchestra; Curt Kramer, pianist.
KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., weekly visit of Queen Titania and her Sandman; 8-10, times de luxe presentation; 10-11, dance music.
KJR, Seattle, Wash. (384.4m-780kc), 8:30-10 p. m., Pudget Sound Savings and Loan association orchestra; 10-11, Nute Motor company studio program.
KNX, Hollywood, Calif. (336.9m-890kc), 7-7:45 p. m., program, Geo. E. Read, Inc.; 7:45, health talk; 8-9, program, Builders' Finance association; 9-10, program, Western Auto Supply company; 10-12, Ambassador hotel dance orchestra.
KPSN, Pasadena, Calif. (315.6m-950kc), 8-9 p. m., Star-News ensemble; George Frenger, tenor.
KTAB, Oakland, Calif. (239.9m-1250kc), 8-9 p. m., educational program.

Wednesday, June 23

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
9 p. m.	8	7	6	5

CNRM (410.7m-730kc), "Rose Maiden" night.
WCOA (222m-1350kc), Mt. Olive Jubilee Singers.

9:20	8:20	7:20	6:20	5:20

WAHG (315.6m-950kc), Old-Fashioned quartet.

10	9	8	7	6

WJJD (370.2m-810kc), Talk, Crown Prince Gustaf Adolf of Sweden.

10:30	9:30	8:30	7:30	6:30

KMOX (280.2m-1070kc), "A Previous Engagement," drama.
KWSC (348.6m-860kc), Moose program.

12 m.	11	10	9	8

KHJ (405.2m-740kc), Zoellner string quartet.

For stations silent tonight refer to first Wednesday's list.

Atlantic or Eastern Daylight Saving Time Stations

CFCA, Toronto, Canada (356.9m-840kc), 11 p. m., Gilbert Watson and his orchestra.
WAHG, Richmond Hill, N. Y. (315.6m-950kc), 7:45 p. m., Harold Manning, saxophonist; 8, William Helfenstein, baritone; 8:15, Conrad Schelcher, flutist; 8:30, studio program; 9:20, Old-Fashioned quartet; 10, popular program; 10:20, dance orchestra.
WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert, William Penn hotel; 8, WEAF; 8:30, WEAF; 9, concert; 10, WEAF.
WCAU, Philadelphia, (277.6m-1080kc), 7:30 p. m., recital; N. Snellenburg and company; 8:10, Hotel Pennsylvania orchestra; 8:30, Miller piano recital; 9, orchestra; 9:30, Helen Travis Hoel, soprano; 9:45, Senator Hassenpfesser; 9:50, recital; 10, Jos. McCullough, banjoist; 10:30, Zoehrns and Herscher, songs; 10:45, Frank Cook, old-time songs; 11, Artie Bittong's Cheer-Up club.
WCSH, Portland, Me. (256.3m-1170kc), 8 p. m., WEAF; 9, studio program; 10, WEAF.
WEAF, New York, N. Y. (491.5m-610kc), 6 p. m., dinner music; 7:30, Army band concert; 8, Shinola Merrymakers, Gentlemen of the 2 in 1, WTAG, WCAE, WWJ, WJAR, KSD, WGR, WEEI, WOO, WCSH, WOC, WCCO, WCAP, WSAI; 8:30, Davis Saxophone octet, WOO, WCAE, WSAI, WEEI, WJAR, WGR, WCSH; 9, Ipana Troubadours, WEEI, WCAP, WOO, WWJ, WLIB, WCCO, WOC, WGR, WSAI, KSD; 11-12, Pelham Heath Inn orchestra.
WEBJ, New York, N. Y. (272.6m-1100kc), 8 p. m., Moon Glow orchestra; 8:45, Ben Ruty, Michael Savino, Hawaiian guitar duets; 9:15, Maria Pasquale, pianist; 9:30, Original Melville Five.
WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra.
WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., Gospel Melodists two piano recital; 8, WEAF; 8:30, George Marshall, dulcimer recital; 9, WEAF; 10, Mrs. Vernon Curtis and associates in a popular program; 11, Vincent Lopez himself and his Casa Lopez orchestra, playing in studio.
WHN, New York, N. Y. (361.2m-830kc), 7:30 p. m., Loew's Lexington organ recital; 9:10, Loew's New York orchestra; 9:30, Palisades Amusement Park orchestra; 10, Roseland dance orchestra; 11:30, Silver Slipper orchestra; 12 midnight, Cotton Club orchestra.
WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra.
WJAR, Providence, R. I. (305.9m-980kc), 7:30-9 p. m., WEAF; 9, musicale; 10, tabloid musicale.
WJZ, New York, N. Y. (454.3m-660kc), 7 p. m., Hotel Pennsylvania Grill orchestra; 8, Imperial Imps; 8:30, La Prensa hour; 9:30, Wm. Ballyn, sea songs; 10:30, Hotel Astor Roof orchestra.
WLIT, Philadelphia, Pa. (394.5m-760kc), 8:10 p. m., Arcadia cafe concert orchestra; 8:30, recital; 10, Arcadia cafe dance orchestra.
WMAK, Buffalo, N. Y. (265.3m-1130kc), 6:30-7:15 p. m., dinner music, Hotel Lafayette; 7:30-8:30, Eastman theater orchestra, WGY; 8:30-10, WHAM studio, WGY.
WMCA, New York, N. Y. (340.7m-880kc), 6:30 p. m., Ernie Golden and his Hotel McAlpin orchestra; 7:30, Tappen's orchestra; 8, X-IT Hawaiians; 8:30, Meister Homesteaders; 9, Mamaroneck night; 12 midnight, McAlpin entertainers.
WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Sylvania dance orchestra; 8, WEAF; 8:30, WEAF; 10, recital, Fox theater studio; 10:30, Ritz Carlton dance orchestra.
WOR, Newark, N. J. (405.2m-740kc), 6:30 p. m., Jacques Jacobs' Hotel Shelton ensemble; 11, Crystal Palace orchestra.
WTAG, Worcester, Mass. (267.7m-1120kc), 6-7 p. m., WTAG orchestra; 8-8:30, WEAF; 8-10, musicale; 10-11, WEAF.

Eastern Standard or Central Daylight Saving Time Stations

WBBM, Chicago, Ill. (225.4m-1330kc), 8-10 p. m., Rudy Winters, baritone; Alemite orchestra; 12-2 a. m., Alemite orchestra.
WCAP, Washington, D. C. (468.5m-640kc), 7-7:30 p. m., WEAF; 7:30-8, outdoor concert, U. S. Army band; 8-9, WEAF; 9-10, WEAF; 10-10:30, announced; 10:30-12, dance music.
WEAO, Columbus, Ohio (293.9m-1020kc), 8:15 p. m., music.
WEBH, Chicago, Ill. (370.2m-810kc), 7-8 p. m., Osborn's orchestra; Florence Behrend; Frank Greif; Frank Bordner; 9:15-10, Osborn's orchestra; Frank Bordner; Lawrence Salerno; 11-12:30 a. m., orchestra; Kay Ronayne; Florence Behrend.
WENR, Chicago, Ill. (265.3m-1130kc), 6-7 p. m., Rauland lyric trio; 8-10, All-American Pioneers; 12-2 a. m., midnite frolic.
WGES, Oak Park, Ill. (249.9m-1200kc), 5-7 p. m., Paradise plane; 8-9, Frank Sylvano, Louis Panico, Guyon's Paradise ballroom orchestra; 11-1, Casey and Gervais; Guyon's Paradise ballroom orchestra; Melody Girls.
WGHB, Clearwater, Fla. (265.3m-1130kc), 8:30-10 p. m., Rex Dantzler, tenor; Max Hartlette, pianist; Mr. and Mrs. Charlie A. Waller.
WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert; 7:35, evening chat; 8-10, Little Symphony orchestra; Gizi Szanto, pianist; male quartet; 12-1 a. m., Gerald Marks' orchestra.
WGN, Chicago, Ill. (302.8m-990kc), 6:35-7 p. m., Blackstone string quintet; 9-10, concert; 10-10:10, Sam 'n' Henry; 10:10-10:20, studio music; 10:20-11, Pepper party.
WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., Eastman theater program.
WHT, Chicago, Ill. (399.8m-750kc), 7:10 p. m., organ; 7:50, chapel; 10:15 (238m-1260kc), Cinderella cafe orchestra; 12 midnight (399.8m-750kc), your hour league.
WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., dinner concert, string trio; Dorothy Rae, soprano; Charles Champlin, baritone; Frank Greif, tenor; trio; 10-12, popular program; vocal, instrumental.
WJJD, Mooseheart, Ill. (370.2m-810kc), 5:30-7 p. m., dinner concert; Jack Nelson; Howard Peterson, organist; symphony players; Victorians; 8-9, child artists, solos, bands; 10-11, Victorians, Isabel Defaut, Simeon Oliver, pianist; R. Thomas; 12:30 a. m., Settin' Up hour.
WJAZ, Chicago, Ill. (329.5m-910kc), 9-12 mid., Earl Hoffman's Chez Pierre orchestra; artist pupils, Edwin J. Gemmer; artist pupils, Alexander Nakutin studio; Chez Pierre Hawaiian quartet.
WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Jean Goldkette's Petite symphony orchestra; 7:45, Goodwill Oakland; 9, Jean Goldkette's orchestra; 11, Murphy Brothers organ; 12 midnight, Merry Old Chief, Jewett Radio Jesters.
WKRC, Cincinnati, Ohio (422.3m-710kc), 6 p. m., Hotel Alms orchestra; 8:15, Gene Perazzo, pianist; 8:30, Oliver Plunkett, tenor; 9, string ensemble; 12 midnight, popular songs; 12:30, Wesley Helvey and his La Vista orchestra.
WLIB, Chicago, Ill. (302.8m-990kc), 7:15-7:30 p. m., dinner music; 7:30-7:50, Pattison Coates, baritone; Edward Barry, pianist; 7:50-8, Auld Sandy; 8-9, WEAF; 12:30-1 a. m., Ambrose Larsen, organist.

Wednesday, June 23

WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., dinner concert, Hotel Gibson orchestra; 7:40, Hotel Gibson concert; 10, Thorobred entertainment; 11, "The Pink of Programs."
WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Hotel La Salle orchestra; 8:30, Whitney trio; 8:55, WMAQ, players, chimes.
WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon duo; Eleanor Kaplan, violinist; Monte Blunn, tenor; Preston Graves, pianist; request program; 9-11, Trianon orchestra; Woodlawn theater orchestra, vocal artists.
WOK, Chicago, Ill. (217.3m-1380kc), 4:30-7 p. m., Capitol theater organ; studio program; Tip-Top Inn string ensemble; 10-1:30 a. m., Tearney's Town club orchestra; Pershing Palace orchestra; Midway Gardens orchestra; Capitol theater program.
WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9 p. m., Willard Battery hour; 10:05, Atwater Kent hour.
WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Gardens orchestra; 10-2 a. m., Rainbo Gardens orchestra; Melodians; Flo and Ray; Joe Warner.
WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., Speed-Wagon serenaders; Gold Standard ensemble.
WRVA, Richmond, Va. (256.3m-1170kc), 8:50 p. m., "A String" quartet; 9:20, piano recital; 9:45, organ recital, chimes; soloists; 11, Carry Me Back to Old Virginny.
WSAI, Cincinnati, Ohio (325.9m-920kc), 6:45 p. m., chimes; 7, WEAF; 7:30, WEAF; 9, WEAF; 10, Congress Playing Card string quartet.
WSWS, Chicago, Ill. (275.1m-1090kc), 6 p. m., Rita McFawn, Leola Aikman; Josephine Oliver, Terrace Gardens orchestra; 8, Edward Holt, pianist; Terrace Gardens orchestra; 9, Terrace Gardens orchestra; Helen Snyder; John Clark, baritone; 10, Terrace Gardens quintet; 12-1 a. m., Witching hour.
WTAM, Cleveland, Ohio (389.4m-770kc), 6:15 p. m., Hotel Cleveland orchestra; 7:30, WEAF; 8, Public Auditorium program.
WTIC, Hartford, Conn. (475.9m-630kc), 8 p. m., Travelers Jongleurs and Unknown Troubadour; 9, Carroll's Palais Royal dance orchestra.
WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7, WEAF; 7:30, News orchestra; 8, dance program; 9, WEAF.

Central Standard Time Stations

CNRW, Winnipeg, Canada (384.4m-780kc), 9 p. m., Fort Garry hotel trio; Frank Redlich, cellist; Robert Jones, baritone; Eveline Wildgoose, pianist; Fort Garry hotel trio.
KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., dinner concert; 8:30-10:30, Buick Master Six orchestra; Harmony Boys; Mike Kopac; Cowbell Boys.
KFH, Wichita, Kans. (267.7m-1120kc), 6:30-7 p. m., piano playing contest; 7-8, American Legion band.
KFKX, Hastings, Nebr. (288.3m-1040kc), 9-11 p. m., musicale, Lincoln, Nebraska.
KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., concert, Henry Field Seed company.
KMA, Shenandoah, Iowa (252m-1190kc), 9-11 p. m., singing and clogging, Bob and Babe.
KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., Jacquinot Jules, organist; 8:30-9:30, light opera selections, orchestra, song cycle; 9:30-11:30, drama, "A Previous Engagement"; orchestra, dance selections, trumpet flourish.
KPRC, Houston, Texas (296.9m-1010kc), 7:45 p. m., Jack Willrich's orchestra; 8:30, Mrs. A. R. Kadell, soprano; 8:45, McCullom string trio; 9, Frank Tilton, pianist.
KSO, Clarinda, Iowa (241.8m-1240kc), 8 p. m., music; 8:30, Berry's Radio orchestra.
KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:05-10 p. m., Clyde Foley, tenor; Charles Garden, saxophonist; 10-10:30, Como Hotel Roof Garden.
KVOO, Bristow, Okla. (374.8m-800kc), 6-9 p. m., Radio trio; Mascho, Cunningham, Mascho.
KYW, Chicago, Ill. (535.4m-560kc), 6 p. m., musical program; 8-9:30, classical concert; 9:30-11, Congress carnival.
WAMD, Minneapolis, Minn. (243.8m-1230kc), 7:15 p. m., classical program; Mrs. H. G. Christianson, soprano; H. G. Christianson, baritone; Lola Newell Telfer, accompanist; 10, Gould Banjo club; 11, Skyrocket frolic, Golden Gate orchestra.
WCOA, Pensacola, Fla. (222m-1350kc), 7-10 p. m., instrumental trio; Max J. Heinberg, violinist; R. C. Dinsmore, cellist; Olive Jubilee singers; West Floridan dance orchestra.
WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., K. and I. orchestra.
WHB, Kansas City, Mo. (365.6m-820kc), 7-8 p. m., Ukulele Girls; 10:30-11:30, midweek Radio feature.
WHO, Des Moines (526m-570kc), 6-7 p. m., Bankers Life Little symphonic orchestra; 7-8, Irene Dorans Little symphony orchestra; 8-9, Kate Miller, whistler; popular songs, Harry Lewis, Norman Broholm; 9-11, Riverview Park dance orchestra; 11-12, Bankers Life Corn Sugar orchestra.
WOAI, San Antonio, Texas (394.5m-760kc), 8:30 p. m., Army night program.
WOC, Davenport, Iowa (483.6m-620kc), 5:45-5:55 p. m., chimes concert; 6-8, WEAF; 9:30-10:30, musical program, Erwin Swindell, organist.
WOS, Jefferson City, Mo. (440.9m-680kc), 8:05 p. m., Sedalia Japanese orchestra.
WSB, Atlanta, Ga. (428.3m-700kc), 10:45 p. m., concert.
WSBT, South Bend, Ind. (275.1m-1090kc), 7-9:30 p. m., concert.
WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., dinner concert, Andrew Jackson hotel trio; 8, Mrs. Thompson Brown, soprano; 10, Mildred King, pianist.

Mountain Standard Time Stations

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra; 8, Scheuerman's Colorado orchestra; 8:15, KOA orchestra; Richard Miller, tenor; Mrs. Lillie Wettingel, reader; Alban M. Emley, baritone; Jean Taylor-Emley, violinist.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-7:30 p. m., Grebe Synchrophase string ensemble; 7:30-8, Nick Harris detective story; 8-9, program, California Petroleum corporation; 9-10, Pat O'Neal, baritone; 10-11, program, Charles Beauchamp, tenor.
KFWB, Hollywood, Calif. (252m-1190kc), 6-7 p. m., Pontiac Six dinner hour; 7:30-8, program, Corduroy Tire Stores, Inc.; 8-9, Sol Hoopii's Hawaiians; 9-10, program, Pacific Development company; 10-11, Warner Brothers frolic.
KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-9, concert; 9-10, concert, vocal and instrumental.
KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., Uncle John and the children; 8-10, Times studio program; 10-11, dance music.
KNX, Hollywood, Calif. (336.9m-890kc), 7-8 p. m., program, Hoyt Water Heater company; 8-9, Stewart-Warner dealers of Southern California; 9-10, Motor Transit Stages program; 10-11, feature program; 11-12, Ambassador hotel dance orchestra.
KWSC, Pullman, Wash. (348.6m-860kc), 7:30 p. m., program, Moose Lodge, Spokane.

Thursday, June 24

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
2 p. m.	1	12	11	10

KYW (535.4m-560kc), WEBH (370.2m-810kc), WLS (344.6m-870kc), WMAQ (447.5m-670kc), Procession, Pontifical mass, Eucharistic congress.

8:30	7:30	6:30	5:30	4:30

WLW (422.3m-710kc), "Modern Photography," J. Anthony Bill.

8:45	7:45	6:45	5:45	4:45

WIP (508.2m-590kc), Creatore and his band.

9	8	7	6	5

WCAU (277.6m-1080kc), Barry O'Moore, Irish tenor.
WTIC (475.9m-630kc), For-an-to Melody Makers.

9:30	8:30	7:30	6:30	5:30

WHAS (399.8m-750kc), W. Albert Gray, violinist.

11	10	9	8	7

KFXF (250m-1200kc), Ray-O-Vac Twins.
KPRC (296.9m-1010kc), Sweetheart of the Air.

11:30	10:30	9:30	8:30	7:30

WBAP (475.9m-630kc), Harmony club.

12 m.	11	10	9	8

KGW (491.5m-610kc), Vaudeville.

For stations silent tonight refer to first Thursday's list.

Atlantic or Eastern Daylight Saving Time Stations

CFCA, Toronto, Canada (356.9m-840kc), 11 p. m., Gilbert Watson and his orchestra.
CKNC, Toronto, Canada (356.9m-840kc), 8 p. m., Charles E. Bodley and his dance orchestra; CKNC male quartet.
WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert; 8, concert; 8:15, WEAF; 9, WEAF; 10, WEAF.
WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:30 p. m., Cathay Tea Gardens orchestra; 7:30, Snellenburg symphony orchestra; 8, Sadler's Plantation serenaders, 8:30, Clifton's Anglers; 9, Barry O'Moore, Irish tenor; 9:20, Musical Chefs; 9:45, Professor Doolittle; 10, recital; 10:30, Jackson and Ellis, radio sweethearts; 11, Charlie Kerr's dance orchestra; 11:30, Club Madrid revue.
WEAF, New York, N. Y. (491.5m-610kc), 6-12 midnight, dinner music; midweek hymn sing; 8:15, Hires Harvesters, WEEI, WFI, WCAE, WLIB, WSAI, WWJ, WTAM; 9, Clicquot club Eskimos, WEEI, WJAR, WTAG, WFI, WCAE, WSAI, WTAM, WGR, WWJ, WOC, KSD, WCCO, WGN; 10, Silvertown Cord orchestra, WEEI, WFI, WCAE, WWJ, WGR, WOC, WCCO, WTAG, KSD, WSAI, WJAR, WGN, WADC; 11-12, Buffalodians.
WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra; 8:15, WEAF.
WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., Vincent Lopez Hotel Statler dance orchestra; 8, WEAF.
WHAR, Atlantic City, N. J. (275.1m-1090kc), 8 p. m., Seaside hotel trio; 9, studio concert; 11, Follies Bergere dance orchestra.
WHN, New York, N. Y. (361.2m-830kc), 8 p. m., Will Oakland's Chateau; 8:30, Loew's Gates theater orchestra; 9, Loew's 7th Ave. concert; 9:30, Loew's 83rd street orchestra; 11:30, Everglades orchestra; 12, Sophie Tucker's playground.
WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 8, Hotel Ambassador orchestra; 8:30, recital from Steel Pier; 8:45, Creatore and his band; 9:30, Hotel Traymore concert orchestra; 10, Hotel Traymore dance orchestra; 10:30, Royal Mountain Ash male chorus; 11:30, Silver Slipper supper club.
WJAR, Providence, R. I. (305.9m-980kc), 8 p. m., Robert W. Powers Hudson-Essex orchestra; 9-11, WEAF.
WJZ, New York, N. Y. (454.3m-660kc), 7 p. m., Hotel Vanderbilt orchestra; 8, First National Presentation, WRC; 8:30, U. S. Marine band; 9:30, Royal Typewriters salon orchestra; 11, Swanee dance orchestra.
WMCA, New York, N. Y. (340.1m-880kc), 7 p. m., Hofbrau Haus entertainers; 8, Roemers Homers; 9:30, Columbia Park entertainers; 10, Coughlan entertainers; 10:30, California Ramblers; 11, Ernie Golden and his Hotel McAlpin orchestra; 12, Broadway night.
WOO, Philadelphia, Pa. (508.2m-590), 7:30 p. m., Adelphia Roof Garden dance orchestra.
WOR, Newark, N. J. (405.2m-740kc), 6:40 p. m., Jacques Jacobs' Hotel Shelton ensemble.

Eastern Standard or Central Daylight Saving Time Stations

WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., dinner orchestra; 8-8:30, Frederick D. Weaver, organist; 8:30-9, mixed quartet; trio; John Wilbourn, tenor.
WBBM, Chicago, Ill. (225.4m-1330kc), 8-10 p. m., Melody hour; Moss Covered Melodists; Vic Fredericks, air comedian; 10-10:30, Howard Osborne's Vanity Fair orchestra; Alemite orchestra; Maurice Silverman, tenor; 11-12, midnight, dance period.
WCBD, Zion, Ill. (344.6m-870kc), 9 p. m., mixed quartet; McElroy Brothers, duets; Dorothy Bull, soprano; R. Reid, baritone; Erwin Rendall, flutist; duets, Messrs, Arthur and Erwin Rendall; Theodore Forby, reader; Mrs. Grace Lund, Erwin Rendall, pianists.
WEAO, Columbus, Ohio (293.9m-1020kc), 8:15 p. m., music.
WEBH, Chicago, Ill. (370.2m-810kc), 7 p. m., special recital; 9:15, Oriole orchestra; Ruth Buhl Flick, reader; Dorothy Herman Blum; 11-12:30 a. m., orchestra; Pat Ward; Rita McFawn; Mary Bieber.
WENR, Chicago, Ill. (265.3m-1130kc), 6-7 p. m., Rauland lyric trio; 8-10, All-American Pioneers.
WGES, Oak Park, Ill. (249.9m-1020kc), 5-7 p. m., organ music, Our Lady of Sorrows church; 8-9, Frank Trianon ensemble; Hilda Hinrichs, cellist; Margaret Conrad, violinist; Preston Graves, pianist; 9-11, Trianon orchestra, orchestras; ensemble; Bob Bennett, popular program.
WOK, Chicago, Ill. (217.3m-1380kc), 4:30-7 p. m., Capitol theater organ; Tip-Top Inn string ensemble; Lorraine's Pershing Palace orchestra; Midway Garden orchestra; Capitol theater program.
WQJ, Chicago, Ill. (477.5m-670kc), 7-8 p. m., Rainbo Gardens orchestra; 10-2 a. m., Rainbo Gardens orchestra; Bert Davis; Lew Butler.
WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., Speed-Wagon serenaders; Gold Standard ensemble; 8:15, Reo Broadcasting orchestra.
WRVA, Richmond, Va. (256.3m-1170kc), 8:45 p. m., Edgeworth Evening of music, chorus, fiddlers, negro quartet, orchestra; 11, Carry Me Back to Old Virginny.
WSAI, Cincinnati, Ohio (325.9m-920kc), 7:15 p. m., WEAF; 8, WEAF; 9:15, WEAF.
WSWS, Chicago, Ill. (275.1m-1090kc), 6 p. m., Josephine Oliver, Hugh Aspinwall; 7, John Loring Cook, music school program; Gus Edwards orchestra; 10, Terrace Garden quintet; 11, Kenneth Clark; Rudy Winter, Billy Schaefer; 12-1 a. m., Witching hour.
WTAM, Cleveland, Ohio (389.4m-770kc), 6:45 p. m., Hollenden hotel orchestra; 7:15-9, WEAF; 9, studio program.
WTIC, Hartford, Conn. (475.9m-630kc), 7:30 p. m., Van Maasdyk and orchestra; 8, For-an-to Melody Makers, Travelers quartet; 9, Emil Heimberger's Hotel Bond

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 3:30-4 p. m., Buick Master Six orchestra.
KFH, Wichita, Kan. (267.7m-1120kc), 6:30-7 p. m., piano playing contest; 7-8, Al Hiner, Forrest Markle; Henry Martin, old-time fiddler.
KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., program, Nebraska city.
KLDS, Independence, Mo. (440.9m-680kc), 8 p. m., Radio wedding, KLDS engineer, A. R. Moler, Hazel Koehler.
KMA, Shenandoah, Iowa (252m-1190kc), 9-11 p. m., Ye Olde Tyme gang orchestra.
KMMJ, Clay Center, Nebr. (228.9m-1310kc), 8 p. m., Belford's Hawaiians and entertainers.
KPRC, Houston, Tex. (296.9m-1010kc), 7:30 p. m., Harry Kobusch and his orchestra; 8:30, Raymond E. Lee, baritone; 9, Edna Adams.
KSO, Clarinda, Iowa (241.8m-1240kc), 8 p. m., Clarinda band.
KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:05-9:20 p. m., Lawson Reid, organist; 9:20-10, Meyer Davis stringed trio.
KVOO, Bristow, Okla. (374.8m-880kc), 6-9 p. m., surprise program.
KYW, Chicago, Ill. (535.4m-560kc), 6 p. m., musicale; Hearst Square; 8-9:30, classical concert; 9:30-10:30, Congress carnival.
WAMD, Minneapolis, Minn. (243.8m-1230kc), 6:30 p. m., Liberty four.
WBAP, Fort Worth, Tex. (475.9m-630kc), 7:30-8:30 p. m., Davis Baking Powder saxophone octet; 9:30-11, Harmony club; 11-12, Sorin-White Top o' Texas orchestra.
WFAA, Dallas, Tex. (475.9m-630kc), 6:30-7:30 p. m., Jimmy Joy's orchestra; 8:30-9:30, Wednesday Morning choral club.
WHAS, Louisville, Ky. (399.8m-750kc), 7:30-8 p. m., Ione Hoover, violinist; 8-9, West Louisville Evangelical church.
WHB, Kansas City, Mo. (365.6m-820kc), 7-7:30 p. m., dinner hour; 8-9, program, Mrs. J. D. Rheem; 9-10, program, Drake hotel.
WHO, Des Moines, Iowa (526m-570kc), 7:30-8 p. m., Philbreck and his Younker tea room orchestra; 8-9, Bankers Life trio; 11-12, Bankers Life Corn Sugar orchestra.
WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Cooper's Hawaiians.
WOAI, San Antonio, Tex. (394.5m-760kc), 8:30 p. m., Mistletoe Melody Maids.
WOAW, Omaha, Nebr. (526m-570kc), 6 p. m., organ; 6:50, Randall's Royal Fontenelle orchestra; 9, Sunshine program.
WOC, Davenport, Iowa (483.6m-620kc), 5:45-5:55 p. m., chimes concert; 6-9, WEAF; 9-9:30, Moline Plowboys.
WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., concert; 10:45, Charles A. Sheldon, organist.

Mountain Standard Time Stations

CNRC, Calgary, Can. (435.8m-688kc), 9 p. m., Little symphony orchestra; Gladys Webb Foster, violinist.
KFXF, Colorado Springs, Colo. (250m-1200kc), 9 p. m., Ray-O-Vac Twins.
KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., program, students Universary of Southern California; 8-9, Kanner string trio; 9-10, Decker's Hawaiians; 10-11, Patrick-Marsh dance orchestra, Betty Patrick, soloist.
KFWB, Hollywood, Calif. (252m-1190kc), 6-7 p. m., Pontiac Six dinner hour; 8-9, program, McGavin Brothers Baking company; 9-10, program, Dell's Ice Cream; 10-11, Warner Brothers frolic.
KGO, Oakland, Calif. (361.2m-830kc), 8-9 p. m., vacation program; Roy O. Lowenfels, saxophonist; Helen Hart, pianist; Fishing Jum Pike; WOW male trio; 9-12, Brokaw and orchestra.
KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-10, vaudeville program, Four Sailors; Ebony and Ivory, piano duet; Motor Coach entertainers; Tommy Luke's Flower girls; 10-12, Cole McElroy's dance orchestra.
KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., Children's hour with Uncle John; 8-10, Zoellner string quartet; 10-11, dance music.
KJR, Seattle, Wash. (384.4m-780kc), 8:30-10 p. m., orchestra; 10-10:30, Benjamin Franklin Electric company; 10:30-12, Keep Joy Radiating Order of Batts.
KNX, Hollywood, Calif. (336.9m-890kc), 7-8 p. m., program, Wright, Alexander and Greeley; 8-9, program, Willys-Overland dealers; 9-10, Balboa Beach Nuts; 10-11, studio program; 11-12, Ambassador hotel dance orchestra; 12-2 a. m., Don Meaney's midnight frolic.
KPSN, Pasadena, Calif. (315.6m-950kc), 8-9 p. m., Pasadena Chamber of Commerce.
KTAB, Oakland, Calif. (239.9m-1250kc), 8-10 p. m., studio program.

GENERAL TALKS AND SPEECHES

Tuesday, June 15

Atlantic	Eastern	Central	Mountain	Pacific
7:30 p. m.	6:30	5:30	4:30	3:30

WHAR (275.1m-1090kc), "Glimpses Through the Stage Door," Mort Eiseman.

8	7	6	5	4

WBZ (333.1m-900kc), "Aims and Purposes of Public Health," George D. Vincent.
WEBJ (272.6m-1100kc), R. R. talk, G. T. Geer.

8:10	7:10	6:10	5:10	4:10

WLW (422.3m-710kc), "Aeronautics, U. S. Air Service."

9	8	7	6	5

WKRC (422.3m-710kc), Book review, Alice B. Coy.

10	9	8	7	6

WJZ (454.3m-660kc), Grand tour.

11	10	9	8	7

KFXF (250m-1200kc), "The Delectable Mountains," Gilbert McClurg.
WMAQ (447.5m-670kc), Book talks.

11:30	10:30	9:30	8:30	7:30

KHJ (405.2m-740kc), Dogs.
WCCO (416.4m-720kc), "Outdoors in Minnesota."

Wednesday, June 16

Atlantic	Eastern	Central	Mountain	Pacific
7 p. m.	6	5	4	3

WTAG (267.7m-1120kc), Book talk, Robert K. Shaw.

7:30	6:30	5:30	4:30	3:30

WOR (405.2m-740kc), Swimming talk, Frank Dalton.

8	7	6	5	4

WLIT (394.5m-760kc), Advertising talk.

10	9	8	7	6

WHB (365.6m-820kc), Automotive talk.
WOS (440.9m-680kc), "Missouri in History," Roy Godsey.

10:30	9:30	8:30	7:30	6:30

KPRC (296.9m-1010kc), Better Business bureau talk.

12 m.	11	10	9	8

KOAC (280.2m-1070kc), "Oregon—A Wonderland."

Thursday, June 17

Atlantic	Eastern	Central	Mountain	Pacific
7:30 p. m.	6:30	5:30	4:30	3:30

WGY (379.5m-790kc), Book talk.

7:45	6:45	5:45	4:45	3:45

WBZ (333.1m-900kc), "Mental and Physical Health," Frank S. Stanton.

8	7	6	5	4

WFI (394.5m-760kc), "What's a Good Book to Read," Thomas Masson.
WJZ (454.3m-660kc), "Puppets," motion picture.

11	10	9	8	7

KFWB (252m-1190kc), Fishing and hunting.

Friday, June 18

Atlantic	Eastern	Central	Mountain	Pacific
8 p. m.	7	6	5	4

WLIT (394.5m-760kc), "The Career of a Singer," Henry Hotz.
WOAW (526m-570kc), Music review, Hester Bronson Copper.

9:30	8:30	7:30	6:30	5:30

WCAL (336.9m-890kc), Book talk, Dr. George Weida Spohn.

11	10	9	8	7

KFXF (250m-1200kc), "Crest of the Continent," Gilbert McClurg.

Saturday, June 19

Atlantic	Eastern	Central	Mountain	Pacific
8:45 p. m.	7:45	6:45	5:45	4:45

WGBS (315.6m-950kc), "Numerology," Clifford Cheasley.

11	10	9	8	7

KFXF (250m-1200kc), "Vacation Land," Gilbert McClurg.

Monday, June 21

Atlantic	Eastern	Central	Mountain	Pacific
9:15 p. m.	8:15	7:15	6:15	5:15

WKRC (422.3m-710kc), "Constructive Americanism."

10	9	8	7	6

WRVA (256m-1170kc), Virginia Folk Lore, Dr. Freeman.

12 m.	11	10	9	8

KFXF (250m-1200kc), "Lieutenant Pike and the Flag."

12:25a.m.	11:25	10:25	9:25	8:25

KGO (361.2m-830kc), "Chats About New Books," Joseph Harry Jackson.

12:50	11:50	10:50	9:50	8:50

KGO (361.2m-830kc), "The Making of the Constitution," Harry L. Todd.

Tuesday, June 22

Atlantic	Eastern	Central	Mountain	Pacific
8 p. m.	7	6	5	4

WLW (422.3m-710kc), "Your Week-End Trip."

10	9	8	7	6

WJZ (454.3m-660kc), "Bermuda."

11	10	9	8	7

KFXF (250m-1200kc), "The World's Highest Auto Highways."
WMAQ (447.5m-670kc), Book talk.

11:30	10:30	9:30	8:30	7:30

WCCO (416.4m-720kc), "Outdoors in Minnesota."

Wednesday, June 23

Atlantic	Eastern	Central	Mountain	Pacific
9 p. m.	8	7	6	5

WKRC (422.3m-710kc), Book talk.

10	9	8	7	6

WOS (440.9m-680kc), "Missouri in History," Roy Godsey.
WTIC (475.9m-630kc), Ukulele lesson, Dan Nolan.

11:30	10:30	9:30	8:30	7:30

KWSC (348.6m-860kc), Book review, Alice Lindsay Webb.

Thursday, June 24

Atlantic	Eastern	Central	Mountain	Pacific
7:30p.m.	6:30	5:30	4:30	3:30

WGY (379.5m-790kc), Outdoor talk.

8:30	7:30	6:30	5:30	4:30

WLW (422.3m-710kc), "Modern Photography," J. Anthony Bill.

11	10	9	8	7

KFWB (252m-1190kc), Fishing and hunting.

Friday, June 25

Atlantic	Eastern	Central	Mountain	Pacific
8 p. m.	7	6	5	4

WOAW (526m-570kc), Music review, Hester Bronson Copper.

9:30	8:30	7:30	6:30	5:30

WCAL (336.9m-890kc), Book talk.

11	10	9	8	7

KFXF (250m-1200kc), "The Switzerland of America."
WYNC (526m-570kc), Talk, Dr. Frank Vizetelly.

Saturday, June 26

Atlantic	Eastern	Central	Mountain	Pacific
8:45p.m.	7:45	6:45	5:45	4:45

WRC (468.5m-640kc), "The Work of Congress."

11	10	9	8	7

KFXF (250m-1200kc), "The Nation's Perpetual Playground."

Monday, June 28

Atlantic	Eastern	Central	Mountain	Pacific
8 p..m.	7	6	5	4

WOR (405.3m-740kc), Current Events, H. V. Kaltenborn.

8:30	7:30	6:30	5:30	4:30

WHAR (275m-1090kc), Industrial talk, R. Orville Ketchum.

9:05	8:05	7:05	6:05	5:05

WNYC (526m1570kc), Lecture, College of New York.

9:15	8:15	7:15	6:15	5:15

WKRC (422.3m-710kc), "Constructive Americanism."

10	9	8	7	6

WRVA (256.3m-1170kc), "True Virginia Lore," Dr. Douglas S. Freeman.

11	10	9	8	7

KFXF (250m-1200kc), "Out Where the West Begins."

Tuesday, June 29

Atlantic	Eastern	Central	Mountain	Pacific
9:50 p. m.	8:50	7:50	6:50	5:50

WLW (422.3m-710kc), Talk, Powel Crosley, Jr.

10	9	8	7	6

WJZ (454.3m-660kc), "Around the World Via the Southern Hemisphere."

11	10	9	8	7

KFXF (250m-1200kc), "Panoramic Colorado Springs."
WMAQ (447.5m-670kc), Book talk.

11:30	10:30	9:30	8:30	7:30

WCCO (416.4m-720kc), "Outdoors in Minnesota."

Wednesday, June 30

Atlantic	Eastern	Central	Mountain	Pacific
9:15 p. m.	8:15	7:15	6:15	5:15

WKRC (422.3m-710kc), Book review.

11:30	10:30	9:30	8:30	7:30

KWSC (348.6m-860kc), Book review, Alice Lindsay Webb.

Friday, June 25

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
8:15 p. m.	7:15	6:15	5:15	4:15

WGY (379.5m-790kc), "The Arrival of Kitty," WGY players.

8:50	7:50	6:50	5:50	4:50

WOAW (526m-570kc), Jaffy and Braviroff.

9	8	7	6	5

CNRA (312.4m-960kc), "Yellow Roses," dramatic sketch.

9:15	8:15	7:15	6:15	5:15

WRVA (256.3m-1170kc), An evening with Rudyard Kipling.

10	9	8	7	6

WMBB (249.9m-1200kc), Banjo Barons.

10:30	9:30	8:30	7:30	6:30

WOC (483.6m-620kc), Old Fiddlers program.

10:45	9:45	8:45	7:45	6:45

WTIC (475.9m-630kc), Debutants.

11:05	10:05	9:05	8:05	7:05

KTHS (374.8m-800kc), Operatic mirror, Meyer Davis ensemble.

1 a. m.	12 m.	11	10	9

KNX (336.9m-890kc), Charlie Melson and his playboys.

For stations silent tonight refer to first Friday's list.

Atlantic or Eastern Daylight Saving Time Stations

CNRA, Moncton, Can. (312.4m-960kc), 9 p. m., CNRA orchestra; Walter Flowers, reader; Frank Eliot, tenor; Dr. Fred E. Burden, clarinetist; dramatic sketch, "Yellow Roses"; clog dancing, Carl Crandall; R. L. Algie, Scotch songs; Verne Miller, whistler; selections from musical comedies, Mrs. Harold Cole, soprano, Frank Eliot, tenor.
CNRT, Toronto, Can. (356.9m-840kc), 6:30 p. m., Luigi Romanelli and his King Edward hotel concert orchestra; 10, Radio Raiders; 11, Luigi Romanelli and his King Edward hotel dance orchestra.

Friday, June 25

WAHG, Richmond Hill, N. Y. (315.6m-950kc), 7:30 p. m., studio program; 8, "Great Artist" organ recital; 9, drawing room recital; 9:30, The Four Gondoliers and Nicholas Teutonico, baritone; 10, popular program; 10:30, dance orchestra.

WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert; 8, studio program; 9:30, concert; 10, WEAF; 10:30, WEAF.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:45 a. m., Pennsylvania concert orchestra; 7:30, Snellenburg instrumental trio; 8, concert; 8:15, Enrico Aresoni, tenor; 8:30, Singing Groundhog; 8:45, Dwight Strickland, "poetician"; 9, Regina Crooners; 9:15, Nasco Jolly Four; 10, Archie Lloyd, Tillie Shapiro and Kathryn Jordan, harmony songs; 10:30, Myers Musical Architects.

WCSH, Portland, Me. (256.3m-1170kc), 10:30 p. m., WEAF.

WEAF, New York, N. Y. (491.5m-610kc), 6-12 midnight, dinner music; Happiness Candy Boys; Goldman band concert; Whittall Anglo-Persians; Hotel Bossert Marine Roof orchestra; Pelham Heath Inn orchestra.

WEBJ, New York, N. Y. (272.6m-1100kc), 7 p. m., Blenheim theater ensemble; 7:30, Luna's Knickerbocker Grill orchestra; 8, Phillip Krumholtz, baritone; 8:15, ukulele duets; 8:30, Luna's Marine band.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra.

WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., Bernie Riggs, pianist; 7, Winger's Crescent Park entertainer; 7:30, WEAF; 8, reading, Mrs. J. Belanger, "Levinsky at the Wedding," 8:30, Ethol McMullen, pianist; 9, Solow's soloists; 9:30, WEAF; 10, Guida Fraser, soprano; Conrad Rundell, tenor; 10:30, Mrs. Albert Messersmith, pianist; Harriett Shire, soprano; 11, Vincent Lopez Hotel Statler dance orchestra.

WHAR, Atlantic City, N. J. (275.1m-1090kc), 8 p. m., Seaside hotel trio.

WHN, New York, N. Y. (361.2m-830kc), 7 p. m., Country club orchestra; 7:30, Treasureland Neighbors; 9:30, Palisades Amusement Park orchestra; 10, Roseland dance orchestra; 10:30, Strand Roof orchestra; 11:30, Club Alabam orchestra; 12, Silver Slipper orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra.

WJAR, Providence, R. I. (305.9m-980kc), 8 p. m., musicale; 8:30, Gorman's Jolly Bakers; 9, musicale; 10, WEAF; 11, Providence Biltmore dance orchestra.

WJZ, New York, N. Y. (454.3m-660kc), 7 p. m., George Olsen's Hotel Pennsylvania Grill orchestra; 8, Sundial Shoe serenaders; 8:30, Bonnie Laddies; 9, Snider's Catsup hour; 10:30, Harold Stern's Hotel Belleclaire Roof orchestra.

WLIT, Philadelphia, Pa. (394.5m-760kc), 9 p. m., Schickerling artists; 10, Morning Glory club; Arcadia cafe dance orchestra; 10:30, Rufus and Rastus; 11, Freshman Masterpiece hour.

WMAK, Buffalo, N. Y. (265.3m-1130kc), 6:30-7:15 p. m., Hotel Lafayette orchestra; 7:30-10:30, WGY; 10:30-11:30, University Terrace sub-division.

WMCA, New York, N. Y. (340.7m-880kc), 6:30 p. m., Ernie Golden and his Hotel McAlpin orchestra; 8:40, Muscle Shoals; 8:50, Broadway association; 9, Paul Whitman's Beau Rivage orchestra; 9:30, Klein's serenading Shoemakers; 10:15, Coughlin announcement; 12, McAlpin entertainers.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Ritz Carlton dance orchestra; 8:15, WOO orchestra; 9:25, concert, Fox theater; 10, WEAF; 10:30, Sylvania dance orchestra.

WOR, Newark, N. J. (405.2m-740kc), 6:40 p. m., Hotel Bretton Hall string quartet.

Eastern Standard or Central Daylight Saving Time Stations

WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., dinner orchestra; 8-9, musicale; 9-10, Baltimore City Park orchestra.

WBBM, Chicago, Ill. (225.4m-1330kc), 8-10 p. m., Alemite orchestra; Harmony time.

WCAP, Washington, D. C. (468.5m-640kc), 6:55-8 p. m., studio program; 8-8:30, program; 9-9:30, WEAF; 9:30-10:30, studio program.

WEBH, Chicago, Ill. (370.2m-810kc), 7 p. m., Osborn's orchestra; Bernard Weber, Pauline Sachs; 9:15, Osborn's orchestra; Bernard Weber; 11-12:30 a. m., orchestra; Irene Beasley; Day and Knight.

WENR, Chicago, Ill. (265.3m-1130kc), 6-7 p. m., Rauland lyric trio; 8-9, Moody Bible Institute hour; 9-10, Arthur Dunas, popular program; 12-2 a. m., midnite frolic.

WGES, Oak Park, Ill. (249.9m-1200kc), 5-7 p. m., request night; 8-9, Joe Warner, Joie Walsh, Tom Wheeler; Melody Girls; 11-1 a. m., Jimmy Wall, Clarence Theders; Peggy O'Neill, Esther Richard, Pat Ryan.

WGHB, Clearwater, Fla. (265.3m-1130kc), 8:30-10 p. m., Mrs. Howard Moore, organist.

WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert; 10-11, WGHP entertainers; 11-12, dance band; 12-1 a. m., Gerald Marks' orchestra.

WGN, Chicago, Ill. (302.8m-990kc), 6:35-7 p. m., musical program; 7:15-8:15, Paul Ash; 8:15-9:30, quartet; 9:30-10, Phantom violin; 10-10:10, Sam 'n' Henry; 10:10-11, musical program, ensemble.

WGY, Schenectady, N. Y. (379.5m-790kc), 6:35 p. m., WGY orchestra; 7:15, comedy, "The Arrival of Kitty," WGY players; 9:30, musical program.

WHT, Chicago, Ill. (399.8m-750kc), 7 p. m., Al Carney; 10:15 (238m-1260kc), Cinderella cafe orchestra; 10:30 (399.8m-750kc), Sunbeam Girls; 12 midnight, your hour league.

WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., dinner program, string trio; Charlotte Edwards, contralto; 10-12, popular program; Ted Fiorito, pianist; Dan Russo, violinist; songs, monologues; Tony Corcoran; Hickey and Johnson.

WJAZ, Chicago, Ill. (329.5m-910kc), 9-12 mid., Earl Hoffman's Chez Pierre orchestra; The Quips that Pass in the Night; Walter Levis, baritone; Eulalie Kober, pianist; Dorris Irene Berry, contralto.

WJJD, Mooseheart, Ill. (370.2m-810kc), 5:30-7 p. m., Jack Nelson; Howard L. Peterson; 8-9, Senator Harold C. Kessinger; 10-11, Palmer House Victorians; Jean St. Anne; 12:30, Settin' Up hour.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Petite symphony orchestra; 7:30, Arctic Specials; 9, orchestra; 9:30, R. M. Grennan Protectors.

WLIB, Chicago, Ill. (302.8m-990kc), 7:05-7:15 p. m., Old-Fashioned Almanack; 11-11:20, Correll and Gosden; 11:20-1 a. m., Liberty studio ensemble; Ambrose Larsen, organist; Tommy Thatcher's Drake hotel dance orchestra; Purple Grackle orchestra.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Wide-Awake club program; 8, musical program; 8:30, Whitney trio; 9:20, musical program, chimes.

WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon duo, male trio; 9-11, Trianon orchestra; banjo barons; male trio.

WOK, Chicago, Ill. (217.3m-1380kc), 4:30-7 p. m., Capitol theater organ; studio program; Tip-Top Inn string ensemble concert; 10-1:30 a. m., Tearney's Town club orchestra; Midway Garden orchestra; Capitol theater program.

WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9 p. m., "Wagner," Blanche Fox Steenman's 14th music talk; 9:15, Mrs. W. V. Morrow, Melissa Drovak, Henry Vaughn; 10:05, classical concert.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Gardens orchestra; Kenneth Sterling; 10-2 a. m., orchestra; Muriel Olson, contralto; Johnny Poat, baritone; Romo Vincent.

WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., dinner concert.

WRVA, Richmond, Va. (256.3m-1170kc), 7 p. m., Hotel Richmond orchestra; 8:15, with Rudyard Kipling, quartet, reader; 10-11, Hotel Richmond orchestra.

WSWS, Chicago, Ill. (275.1m-1090kc), 6-7 p. m., Zola Haynes, Peter Gross, tenor; 8, Terrace Gardens orchestra; 10, Ruth Boutay, blues; Josephine Oliver, Terrace Gardens quintet; 12, Witching hour.

WTAM, Cleveland, Ohio (389.4m-770kc), 6:45 p. m., Hotel Cleveland orchestra; 8, studio program; 9, WEAF; 9:30, studio program.

WTIC, Hartford, Conn. (475.9m-630kc), 6:50 p. m., piano recital, Laura Gaudet; 7:30, Colt's Park Municipal dance orchestra; 8:30, Shelton Post, American Legion program; 9:30, WTIC mail bag; 9:45, the Debutants.

WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 8, News orchestra; 9, WEAF; 9:30, dance program.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., Buick Master Six orchestra; 8:30-9, Buick Little symphony; 9-10:30, Out-of-town artists.

KFDM, Beaumont, Tex. (315.6m-950kc), 7:30-8 p. m., children's program; 8-10, Refinery band.

KFH, Wichita, Kan. (267.7m-1120kc), 6:30-7 p. m., piano playing contest; 7-8, classical program.

KFKX, Hastings, Nebr. (288.3m-1040kc), 9-11 p. m., musicale, Hastings College.

KFNF, Shenandoah, Iowa (263m-1140kc), 7:30 p. m., program, Lafe Corbin.

KMA, Shenandoah, Iowa (252m-1190kc), 9-11 p. m., De Luxe program.

KMMJ, Clay Center, Nebr. (228.9m-1310kc), 8 p. m., Hanson's orchestra.

KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., Jacquinot Jules, organist; 7, orchestra, popular music, whistlers; 8, light opera; 9, operatic selections; 10, music Lover's hour, orchestra, classical selections; Helen Musick, dramatic soprano.

KSO, Clarinda, Iowa (241.8m-1240kc), 8 p. m., music; 8:30, Dr. D. J. Thomas, pianist.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:05-10 p. m., Edward Richter, cellist; operatic mirror, Meyer Davis ensemble; 10-10:30, Ray Mullins orchestra.

KVOO, Bristow, Okla. (374.8m-800kc), 6-9 p. m., Josephine Storey-White.

KYW, Chicago, Ill. (535.4m-560kc), 6 p. m., musicale; 7-8, Federal Masters; 9:30-11, Congress carnival.

WAMD, Minneapolis, Minn. (243.8m-1230kc), 6:30 p. m., Liberty four; 7:15, Radisson concert ensemble; John Charles Santley, baritone; 11, Skyrocket frolic, Golden Gate orchestra.

WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., Andrew Jackson hotel trio; 8, vocal recital; 10, Blue-Grass serenaders.

Mountain Standard Time Stations

CNRE, Edmonton, Can. (516.9m-580kc), 8:30-10:30 p. m., Alberta concert party.

KFXF, Colorado Springs, Colo. (250m-1200kc), 8 p. m., Margaret Delano Osborne, pianist; W. Sidney Phelps, baritone.

KOA, Denver, Colo. (322.4m-930kc), 6 p. m., Brown Palace string orchestra; 8, open-air concert, Denver municipal band.

Pacific Standard Time Stations

CRNV, Vancouver, Can. (291.1m-1080kc), 9 p. m., Dorothy Fewster, Gertrude DeVos, Corrinne Taylor, Ella Whitecross, Marjorie McNab, Elsie Swann, Phyllis Fewster, Bessie Pilsworth, May Miller, Hilda Binns, Richard Leither, Walter James, James D. Halliday, Richard Goodwin, Arthur J. Foxall, Nan Foxall; 10:30, Cabaret Belmont orchestra; Bebe Muller, soprano.

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Old Timers' program; 8-9, Aeolian organ; 9-10, Evelyn Ford, soprano and others; 10-11, Packard ballad hour.

KFWB, Hollywood, Calif. (252m-1190kc), 6-7 p. m., Pontiac Six dinner hour; 7:30-8, program, Paralta studios; 8-9, program, John Wright, The Right Tailor; 9-10, Warner Brothers Snycopators; 10-11, Warner Brothers frolic.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-9, vocal and instrumental concert; 9-10:30, vocal and instrumental; 10:30-12, frolic, Keep Growing Wiser Order of Hoot Owls, Pantages stars, features.

KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., Uncle John and the children; 8-10, tower studio presentation; 10-11, dance music.

KJR, Seattle, Wash. (384.4m-780kc), 8:30-10 p. m., Post Intelligencer studio program; 10-11, Nute Motor company.

KNX, Hollywood, Calif. (336.9m-890kc), 7-8 p. m., Bad Egg club; 8-9, Jell-X-Cell program with Charlie Melson and his Playboys; 9-10, Order of Optimistic Donuts; 10-11, Fights from American Legion stadium; 11-12, Ambassador hotel dance orchestra.

Sam and Henry—hold your hats and don't rise until the car stops moving, dear readers—have been exposed by the Chicago Tribune, so we know of no reason why we, too, should not tell you the truth. Yes, they are none other than Correll and Gosden, the famous singing team of WGN and WLIB. So here they are in person, just as they appear when doing their "Sam 'n' Henry" act, for they do not black up.

WBAP, Fort Worth, Tex. (475.9m-630kc), 7:30-8:30 p. m., Panther Hawaiian trio; 9:40-11, Sunflower Girl; 11-12, ballads, Bess Adams, pianist.

WCOA, Pensacola, Fla. (222m-1350kc), 7-10 p. m., John E. Frenkel; Emilio O'Brien Motta, violinist; St. Michael church choir; Anita O. Villar, vocalist; Charles J. Herbert, bass; San Carlos trio.

WFAA, Dallas, Tex. (475.9m-630kc), 6:30-7:30 p. m., Shaw-Smith College club orchestra; 8:30-9:30, Southland Life Insurance company.

WGBF, Evansville, Ind. (236.1m-1270kc), 7 p. m., musicale, A. L. Maxwell company; 8, various; 11, D-X hunting club.

WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., H. M. S. Pinafore.

WHB, Kansas City, Mo. (365.6m-820kc), 7-8 p. m., Sweeney Radio orchestra.

WHO, Des Moines, Ia. (526m-570kc), 7:30-9 p. m., Elwood Compton, Jr., trumpet soloist; Franklin Kagym, violoncellist; George Ricketts, baritone; 11-12, Philbreck and his Younker tea-room orchestra.

WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Hotel Gayoso orchestra; 11, Harry O. Nichols, organist.

WOAI, San Antonio, Tex. (394.5m-760kc), 8:30 p. m., San Antonio College of Music program, or Walter Dunham Harmonologue.

WOAW, Omaha, Nebr. (526m-570kc), 6 p. m., music review; 6:50, Jaffy and Braviroff; 9, M. C. Peters Mill company.

WOC, Davenport, Iowa (483.6m-620kc), 5:45-5:55 p. m., chimes concert; 8-8:30, WEAF; 8:30-9:30, Old Fiddlers' program.

WOS, Jefferson City, Mo. (440.9m-680kc), 8:20 p. m., New Lead and Dam District of Missouri program.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., program, Gertrude Johnson; 10:15, concert.

WSBT, South Bend, Ind. (275.1m-1090kc), 7-9:30 p. m., musicale.

Saturday, June 26

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
8:15 p. m.	7:15	6:15	5:15	4:15

WOR (405.2m-740kc), Orange Chamber of Commerce musicale.

8:30	7:30	6:30	5:30	4:30

KFH (267.7m-1120kc), Piano playing contest.

10	9	8	7	6

WHAS (399.8m-750kc), Aurelius male quartet.

11	10	9	8	7

WOC (483.6m-620kc), American Legion program.

11:30	10:30	9:30	8:30	7:30

WBAP (475.9m-630kc), Don Stegall and his band.

12 m.	11	10	9	8

KMOX (280.2m-1070kc), "Fantastique Orientale."

12:45 a.m.	11:45	10:45	9:45	8:45

WSB (428.3m-700kc), Red Head club.

2	1	12 m.	11	10

WFAA (475.9m-630kc), Fourth anniversary.

For stations silent tonight refer to first Saturday's list.

Atlantic or Eastern Daylight Saving Time Stations

WAHG, Richmond Hill, N. Y. (315.6m-950kc), 12 mid., variety program.

WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert; 8:30, concert.

WEAF, New York, N. Y. (491.5m-610kc), 6-12 mid., dinner music; musical comedy hits, orchestra, Goldman band concert; Ben Bernie and his orchestra; Vincent Lopez' orchestra.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra; 8, concert from studio; 11, Bellevue Stratford dance orchestra.

WHAR, Atlantic City, N. J. (275.1m-1090kc), 8 p. m., Seaside hotel trio.

WIP, Philadelphia, Pa. (508.2m-590kc), 8:45 p. m., Creatore and his band; 9:30, Charles Fry's dance orchestra; 10, Nick Nochols dance orchestra; 10:45, Ted Weems Novelty orchestra; 11:05, organ recital from Germantown theater.

WJAR, Providence, R. I. (305.9m-980kc), 7:20 p. m., WEAF; 9:15, WEAF.

WJZ, New York, N. Y. (454.3m-660kc), 7 p. m., Hotel Madison concert orchestra; 8, Congressional Forum; 10:30, Record Boys; 11, Hotel Mayflower dance orchestra.

WLIT, Philadelphia, Pa. (394.5m-760kc), 7:30 p. m., Benjamin Franklin orchestra.

WMAK, Buffalo, N. Y. (265.3m-1130kc), 7:30-8:30 p. m., dinner music, Onondaga hotel, WGY; 8:30-10, musicale.

WMCA, New York, N. Y. (340.7m-880kc), 7 p. m., Tappen's orchestra; 9:30, Stauch's orchestra; 10, Coughlin entertainers; 11, Ernie Golden and his Hotel McAlpin orchestra; 12, McAlpin entertainers.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Adelphia Roof Garden orchestra.

WOR, Newark, N. J. (405.2m-740kc), 6:40 p. m., Jacques Jacobs' Hotel Shelton ensemble; 7:30, Orests' Queensland orchestra; 8:15, Orange Chamber of Commerce musical program; 11, Crystal Palace orchestra.

Eastern Standard or Central Daylight Saving Time Stations

WBBM, Chicago, Ill. (225.4m-1330kc), 8-10 p. m., Alemite orchestra; 10-11, dance period; 12-2 a. m., Matched Unit quartet; Ziegler Stars.

WEBH, Chicago, Ill. (370.2m-810kc), 8 p. m., songs, Frank Greif; 9:15-10, Edgewater Beach hotel orchestra; 11-12 midnight, Edgewater Beach hotel orchestra; Kay Ronayne; 1-2 a. m., frolic.

WENR, Chicago, Ill. (265.3m-1130kc), 6-7 p. m., Rauland lyric trio; 8-9, Arthur Dunas, popular program; 9-10, All-American Pioneers; 12-2 a. m., midnite frolic.

WGES, Oak Park, Ill. (249.9m-1200kc), 5-7 p. m., Paradise Plane; Leona Hayes; 8-9, Louis Panico; Guyon's Paradise ballroom orchestra; 11-1 a. m., Bobby Lee, Casey and Gervais; Peggy and Esther; Jack Lavin.

WGN, Chicago, Ill. (302.8m-990kc), 6:35-7 p. m., musical program; 8-8:10, Auld Sandy; 8:10-8:30, musical program; 8:30-9:30, light opera concert; 9:30-10, "In a Gondola"; 10-10:10, Sam 'n' Henry; 10:10-11, ensemble.

WGY, Schenectady, N. Y. (379.5m-790kc), 5:30 p. m., Hotel Onondaga dinner program; 9:30, Hotel Van Curler dance orchestra.

WHT, Chicago, Ill. (399.8m-750kc), 7 p. m., Al Carney, organist; 7:10, classical hour; 10:15, (238m-1260kc), Cinderella orchestra; 10:30 (399.8m-750kc), Jack Turner; Irene Smith; 12 midnight, your hour league.

WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., dinner program; string trio; Frances Scheibe, George Hancher, Evelyn Elliott, Christopher Hendra.

WJAZ, Chicago, Ill. (329.5m-910kc), 9-1 a. m., Earl Hoffman's Chez Pierre orchestra; Mlle. Liseuse, graphologist; Chez Pierre Hawaiian quartet.

WJJD, Mooseheart, Ill. (370.2m-810kc), 5:10-7 p. m., Howard L. Peterson; Palmer House Symphony players; Victorians; Isabel Defaut; Simeon Oliver, pianist; 10-11, Isabel Defaut; Victorians; Cook Sisters; 12-1 Settin' Up hour.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Stromfeltz-Loveley serenaders; 9, Jean Goldkette's serenaders; 9:30, Caspar Lingeman Merrymakers; 11:30, Merry Old Chief.

WKRC, Cincinnati, Ohio (422.3m-710kc), 10 p. m., Bernie Cummins orchestra; 11, Sam Jones; 11:15, Bernie Cummins orchestra; 11:40, classical music.

WLIB, Chicago, Ill. (302.8m-990kc), 7:15-7:30 p. m., dinner concert; 7:30-8, Drake concert ensemble, Blackstone string quintet; Pattison Coates, baritone; 11-11:20, Correll and Gosden; 11:20-1 a. m., Liberty studio ensemble; Ambrose Larsen, organist; Purple Grackle orchestra.

WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., popular organ concert, Johanna Grosse; 7:30, meeting, Sekatary Hawkins Radio club; 8, Johanna Grosse; 8:30, dance music, Calico Cat; 9, Henry Theis and his Castle Farmers.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Hotel LaSalle orchestra; 8, Daw and Pratt; 8:30, photologue; 9, Chicago theater revue.

WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon ensemble; Hilda Hinrichs, cellist; Margaret Conrad, violinist; Preston Graves, pianist; Franklin Kidd, tenor; Arvid Anderson, program; 9-11, Trianon orchestra; ensemble; popular program.

WOK, Chicago, Ill. (217.3m-1380kc), 4:30-7 p. m., Capitol theater organ; Tip-Top Inn ensemble concert; 10-1 a. m., Tearney's Town club orchestra; Carl Lorraine's Pershing Palace orchestra; Midway Garden orchestra; Capitol theater program; 1-2, Tearney's Town club orchestra; Midway Garden orchestra.

WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9 p. m., Elizabeth Barker Van Campen hour of music; 10:05, Savutime program; 10:35, Chuck Helwegen's Ramona Gardens orchestra.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Gardens orchestra; Jean Carlson, soprano; Kenyth Dunn, pianist; Peter Gruber, violinist; 10-3 a. m., Jerry Sullivan; artists.

WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., Speed-Wagon serenaders; Gold Standard ensemble; 10-12, special dance program.

WSAI, Cincinnati, Ohio (325.9m-920kc), 8 p. m., chimes; 8:30, Bicycle Playing card sextet; 12, popular program.

WSWS, Chicago, Ill. (275.1m-1090kc), 6 p. m., Terrace Gardens orchestra; Chicago serenaders; mixed quartet; John Clark; 8, Terrace Gardens orchestra; Cook Sisters; Borden Brothers; Josephine Oliver; 10-11, Terrace Gardens quintet; Badger Four; Zola Haynes; Art Becker, Osborne Sisters; 12, Witching hour.

WTAM, Cleveland, Ohio (389.4m-770kc), 6 p. m., Collegian serenaders; 7:30, studio program; 8, Hollenden hotel orchestra; 9, Ev Jones and his gang.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., dinner concert; 8:30-10:30, Little symphony orchestra.

KFH, Wichita, Kan. (267.7m-1120kc), 6:30-7 p. m., piano playing contest; 7-8, J. O. Adams music company.

KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., open; 11, old-time music.

KLDS, Independence, Mo. (440.9m-680kc), 8 p. m., August Zander, studio program.

KMMJ, Clay Center, Nebr. (228.9m-1310kc), 8 p. m., orchestra.

KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., Jacquinot Jules, organist; 7, orchestra; 8, light opera selections; 9, orchestra, operatic selections; 9:30, soloists; 10, chimes, presentation "Fantastique Orientale."

KPRC, Houston, Tex. (296.9m-1010kc), 7:30 p. m., Bible class; 8, Frank Tilton, blind pianist; 10:30, Harold Oxley's Warwick hotel orchestra.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:05-10 p. m., New Arlington hotel orchestra; 10-10:15, Bryd Rigsby, contralto.

KVOO, Bristow, Okla. (374.8m-800kc), 6-9 p. m., Marshall Van Pool and his Radio orchestra.

KYW, Chicago, Ill. (535.4m-560kc), 6 p. m., hour of music; 7, KYW's Congress hotel studio; 8-9:30, classical concert; 9:30-11, Congress carnival.

WAMD, Minneapolis, Minn. (243.8m-1230kc), 7:15 p. m., popular program, Harmony twins; Carl Haubrich, baritone; orchestra.

WBAP, Fort Worth, Tex. (475.9m-630kc), 7:30-8:30 p. m., Sunday school lesson, Mrs. W. F. Barnum; 9:30-11, Don Stegall and his band.

WFAA, Dallas, Tex. (475.9m-630kc), 6:30-7:30 p. m., Jimmy Joy's orchestra; 8:30-9:30, Fourth anniversary program; 11-12, Jack Gardner's orchestra; 12, Fourth anniversary.

WHAS, Louisville, Ky. (399.8m-750kc), 7:30-8 p. m., Hotel Kentucky orchestra; 8-9, Aurelius male quartet.

WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., George Hughes.

Saturday, June 26

WOAI, San Antonio, Tex. (394.5m-760kc), 11 a. m., First Presbyterian church; 7:45 p. m., Central Christian church.
WOAW, Omaha, Nebr. (526m-570kc), 6 p. m., orchestra; 6:50, orchestra; 9, program, Omaha Printing company; 10, organ.
WOC, Davenport, Iowa (483.6m-620kc), 5:45-5:55 p. m., chimes concert; 9-10, musical program, American Legion Post.
WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., Atwater Kent hour; 10:45, Ernest Rogers' Red Head club.
WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., Andrew Jackson hotel trio; 8, popular and barn dance program.

Mountain Standard Time Stations

KFXF, Colorado Springs, Colo. (250-1200kc), 8 p. m., Mrs. Benjamin Lefkowsky, pianist.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Al Wesson's orchestra; Paul Roberts, soloist; 8-9, Angelus string trio; 9-11. program by Associated Packard dealers of California, also broadcast by KPO; 11-2 a. m., KFI midnight frolic.
KFWB, Hollywood, Calif. (252m-1190kc), 6-7 p. m., Pontiac Six dinner hour; 8-9, Smith Investment company program; 9-11, Warner Brothers frolic, Len Nash and his Country Boys.
KGO, Oakland, Calif. (361.2m-830kc), 8:10 p. m., H. C. Capwell company program; Hollister McGuire, tenor. Eva M. Garcia, pianist; Joseph de Fao, harmonica soloist; Beatrice Benaderet, contralto; Helen Hart, pianist; Harmony Hick Parker and ukulele; 9-9:30, Philharmonic society; 9:30-10:30, Odd Fellows band, 10:30, dance music.
KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 10-12, Herman Kenin's dance orchestra; Punch Green, pianist.
KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m.,. Uncle John and the childen; 8-10, Times de luxe program; 10-11, dance music.
KJR, Seattle, Wash. (384.4m-780kc), 8:30-10 p. m., Savage concert orchestra.
KNX, Hollywood, Calif. (336.9m-890kc), 7:30-8 p. m., program, Smith Investment company; 8-9, Luna Park hour; 9-10, feature program; 10-11, Ambassdor hotel dance orchestra; 11-2 a. m., Hollywood Nite and Film-land frolic.
KPSN, Pasadena, Calif. (315.6m-950kc), 8-9 p. m., Star-News ensemble.

Sunday, June 27

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
9:15 p. m.	8:15	7:15	6:15	5:15

WEAF (491.5m-610kc), WWJ (352.7m-850kc), WCCO (416.4m-720kc), WGR (319m-940kc), WEEI 348.6m-860kc), WSAI (325.9m-920kc), WCAP (468.5m-640kc), Atwater Kent half hour.

Atlantic	Eastern	Central	Mountain	Pacific
9:30	8:30	7:30	6:30	5:30

WGR (319m-940kc), Harmony club quartet.

Atlantic	Eastern	Central	Mountain	Pacific
9:45	8:45	7:45	6:45	5:45

WCAP (468.5m-640kc), Vesper hour of music.

Atlantic	Eastern	Central	Mountain	Pacific
10	9	8	7	6

WHAR (275m-1090kc), An hour with the classics.

Atlantic	Eastern	Central	Mountain	Pacific
1 a. m.	12 m.	11	10	9

WKRC (422.3m-710kc), Blues and ballads, Marie Turner.

For stations silent tonight refer to first Sunday's list.

Atlantic or Eastern Daylight Saving Time Stations

CFCA, Toronto, Can. (356.9m-840kc), 11 a. m., Timothy Eaton Memorial church; 7 p. m., St. Paul's Anglican church.
WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert; 7:20, Capitol theater, WEAF.
WCAU, Philadelphia, Pa. (277.6m-1080kc), 5 p. m., recital; 5:15, undenominational church services; 5:35, sermon, Rev. John W. Stockwell; 5:45, continuation of recital; 6:30, Pennsylvania concert orchestra; 8, Bonwit Teller ensemble.
WCSH, Portland, Me. (256.3m-1170kc), 10:30 a. m., Central Square Bapist church; 1:30, Radio Parish church; 7:20, First Baptist church.
WEAF, New York, N. Y. (491.5m-610kc), 3-4 p. m., church service; 4-4:30, sacred music; 4:30-5:30, Federation mixed quartet; 7:20-9:15, Capitol theater; 9:15-9:45, Atwater Kent program, Allen McQuhae, tenor; 9:45-10:45, musical program.
WGR, Buffalo, N. Y. (319m-940kc), 10:45 a. m., Westminster Presbyterian church; 7:45 p. m., Central Presbyterian church; 9:15, WEAF.
WHAR, Atlantic City, N. J. (275.1m-1090kc), 10:45 a. m., Chelsea Baptist church; 2:15 p. m., sacred recital, Seaside hotel trio; 7:50, Chelsea Baptist church; 9, with the classics, Seaside hotel ensemble.
WHN, New York, N. Y. (361.2m-830kc), 7:30 p. m., Calvary Evening services; 10:45, Janssen's Hofbrau orchestra; 12, Sophie Tucker's playground.
WIP, Philadelphia, Pa., (508.2m-590kc), 10:45 a. m., services, Holy Trinity chapel.
WJZ, New York, N. Y. (454.3-660kc), 7 p. m., Park Avenue Baptist church carillon; 7:20, Hotel Pennsylvania concert orchestra; 10, Godfrey Ludlow, violinist.
WLIT, Philadelphia, Pa. (394.5m-760kc), 2 p. m., Arcadia cafe concert orchestra; 6:30, organ recital; 7:30, Ben Franklin concert orchestra.
WMAK, Buffalo, N. Y. (265.3m-1130kc), 7 p. m., Churchill tabernacle.
WMCA, New York, N. Y. (340.7m-880kc), 7 p. m., Ernie Golden and his Hotel McAlpin orchestra; 8, National Tour; 8:30, California Ramblers.
WOO, Philadelphia, Pa. (508.2m-590kc), 2:15 p. m., musical exercises, Bethany Sunday school; 6, organ recital, Clarence K. Bawden; 7:30, services, Bethany Presbyterian church.

Eastern Standard or Central Daylight Saving Time Stations

WBAL, Baltimore, Md. (245.8m-1220kc), 7:30-8:30 p. m., WBAL concert orchestra.
WBBM, Chicago, Ill. (225.4m-1330kc), 12:30-2 p. m., noon-hour of music; 4-6, matinee; 8-10, Melody hour; 11:59-3 a. m., Nutty club.
WCAP, Washington, D. C. (468.5m-640kc), 11 a. m., St. John's Episcopal church; 4 p. m., Peace Cross service; 8:15-8:15, WEAF; 8:15-9:15, musicale.
WCBD, Zion, Ill. (344.6m-870kc), 9 p. m., Ladies' quartet, celestial bells, organ music; trio, duets; Mrs. P. LaRose, contralto; Beatrice Beem, soprano; songs, Rhoda Wise; Miriam Hollingshead, flutist; Ruth Petrie, pianist; Lois Wiedman, reader.
WEBH, Chicago, Ill. (370.2m-810kc), 10:40 a. m., Seventh Church of Christ, Scientist; 7-9 p. m., artists' program.
WENR, Chicago, Ill. (265.3m-1130kc), 9:15 a. m., church services; 2-3 p. m., Skeeles-Biddle hour of better music; 6-7, Moody Bible Institute Evening hour; 9:30-12, midnite frolic.
WGES, Oak Park, Ill. (249.9m-1200kc), 10:30 a. m., M. E. church; 11:45, high mass, Our Lady of Sorrows church; 5-7:40, Frank Hayes, Joie Walsh; 11-1 a. m., Harry Davis, Fay Dillon; Eddie Freckman, Melody Girls; orchestra.
WGHP, Detroit, Mich. (270.1m-1110kc), 11 a. m., Grosse Pointe Memorial church.
WGN, Chicago, Ill. (302.8m-990kc), 6:35-7 p. m., musical program; 7-7:20, The Million Sing; 7:20-7:30, Old Fashioned Almanack; 7:30-8:15, music.
WGY, Schenectady, N. Y. (379.5m-790kc), 9:30 a. m., First Lutheran church; 6:30 p. m., First Lutheran church; 8, musical program; 9, WJZ.
WHT, Chicago, Ill. (399.8m-750kc), 1-11:30 p. m., Paul Rader.
WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., dinner concert, string trio; Agnes Burhll, soprano; Helen Snyder, Robert York; 10-12, popular program, artists.
WJAZ, Chicago, Ill. (329.5m-910kc), 7-9 p. m., classical music program, Spanish Garden studio.
WJJD, Mooseheart, Ill. (370.2m-810kc), 8:15 a. m., Catholic services; 9:30-10:30, Protestant services; 1-2 p. m., Howard L. Peterson, organist; 2:30-3:30, concert; 3:30-4, Radio Bible class; 4-5:30, Symphony orchestra.
WJR, Pontiac, Mich. (516.9m-580kc), 10:30 a. m., First Baptist church.
WKRC, Cincinnati, Ohio (422.3m-710kc), 6:45 p. m., Walnut Hills Christian church; 10, Eugene Schmitt, baritone; Carolyn Schlosser, reader; Patricia Conway, violinist; Eugene Perazzo pianist; 11:15, Bernie Cummins' orchestra; 12, Marie Turner, blues and ballads; 12:15, dance music, Swiss Gardens.
WLIB, Chicago, Ill. (302.8m-990kc), 5-6:15 p. m., Edward Benedict, organist.
WMBB, Chicago, Ill. (249.9m-1200kc), 3-5 p. m., Trianon orchestra; Woodlawn theater orchestra; Wellington Forbes, tenor; Andy Anderson, baritone; piano novelties, Bob Bennett; popular concert; 7:40-9, Fifth Church of Christ, Scientist; 9-11, Trianon orchestra; Andy Anderson, baritone; Preston Graves, pianist; Scotty Welch and Madison Sisters, Golden Harmony trio; popular program.
WOK, Chicago, Ill. (217.3m-1380kc), 6 p. m.,-1 a. m., Tearney's Town club orchestra; Carl Lorraine's Pershing Palace orchestra; Midway Garden orchestra; Capitol theater musical program; Tip-Top string ensemble; studio program.
WQJ, Chicago, Ill. (447.5m-670kc), 10 a. m., Peoples church; 3-4 p. m., choir; 8-10, Rainbo Gardens orchestra.
WREO, Lansing, Mich. (285.5m-1050kc), 10 a. m., Belfry Plymouth Congregational church; 10:30, First Baptist church; 7:30 p. m., Reo Motor Car company band.
WSAI, Cincinnati, Ohio (325.9m-920kc), 11 a. m., church service; 7:45 p. m., chimes; 8, Radio sermonette; 8:15, WEAF; 8:45-9:45, band.
WSWS, Chicago, Ill. (275.1m-1090kc), 11 a. m., church service; 3:30-5 p. m., popular service; 7-9:30, song service.
WTAM, Cleveland, Ohio (389.4m-770kc), 11 a. m., Baptist church; 7, Loew's theater orchestra; 8, twilight hour.
WWJ, Detroit, Mich. (352.7m-850kc), 11 a. m., St. Paul's Episcopal cathedral; 2 p. m., News orchestra; 4, organ recital; 6:20, WEAF; 8:15, operatic stars.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 4-5 p. m., vesper service; 9-11, Sunday evening musicale.
KFDM, Beaumont, Tex. (315.6m-950kc), 11-12 p. m., Presbyterian church; 8-9, service.
KFNF, Shenandoah, Iowa (263m-1140kc), 10:45 a. m., First M. E. church; 2:30 p. m., Golden Rule song service; 3, Swedish Mission church; 6:30, Golden Rule circle; 8, Christian church services.
KLDS, Independence, Mo. (440.9m-680kc), 11 a. m., Stone church; 3 p. m., studio program; 6:30, vesper service; 9:15, studio service.
KMMJ, Clay Center, Nebr. (228.9m-1310kc), 9:15 p. m., church service.
KMOX, St. Louis, Mo. (280.2m-1070kc), 8 p. m., The Principia, KFQA; 9, Skouras Brothers' Sunday night club.
KPRC, Houston, Tex. (296.9m-1010kc), 9:50 a. m., Trinity Lutheran church; 8 p. m., Trinity Lutheran church; 9:30, Herman Engel, violinist; Margaret Moorhead, mezzo; 11, Texan theater pipe organ concert.
KSO, Clarinda, Iowa (241.8m-1240kc), 11 a. m., M. E. church.
KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 11 a. m., Central Methodist church; 9:05-10, New Arlington hotel ensemble.
KVOO, Bristow, Okla. (374.8m-800kc), 12:30-7 p. m., pipe organ; Rev. Leeper and his twenty-piece string band; Laughton Family; Oklahoma Cowboy band, Cushing Military band; 7:30-9, worship hour.
KYW, Chicago, Ill. (535.4m-560kc), 10 a. m., Central church; 3:30 p. m., studio concert; 8:30-10, classical concert.
WAMD, Minneapolis, Minn. (243.8m-1230kc), 12:30 p. m., organ recital; 7:50, Arthur Faust and stock company; 9:30, Gayle Wood.
WBAP, Fort Worth, Tex. (475.9m-630kc), 11 a. m., First Presbyterian church; 9:30-11, Hired Hand's Little symphony.
WFAA, Dallas, Tex. (475.9m-630kc), 6-7 p. m., Radio Bible class; 7:15-8, Monamela male quartet; 8-9, First Church of Christ, Scientist; 9-9:30, Dr. E. R. Barcus; 11-12, Amphion male quartet.
WHB, Kansas City, Mo. (365.6m-820kc), 9:40 a. m., Linwood Blvd. Christian church; 11, Independence Blvd. Christian church; 8-9, church services; 11:15, Linwood Radio feature; Morrill Moore, organist; Don Anchors, poet.
WMC, Memphis, Tenn. (499.7m-600kc), 11 a. m., First Methodist church.
WOAW, Omaha, Nebr. (526m-570kc), 9 a. m., Rev. R. R. Brown; 1:30 p. m., Father Flanagan's Boys' home period; 9, chapel.
WOS, Jefferson City, Mo. (440.9m-680kc), 9:30 a. m., Christian church.
WSB, Atlanta, Ga. (428.3m-700kc), 5 p. m., West End church; 7, Presbyterian church.
WSM, Nashville, Tenn. (282.8m-1060kc), 10:30 a. m., First Presbyterian church.
WSUI, Iowa City, Iowa (483.6m-620kc), 8 p. m., Mrs. Preston Coast, organist.

Mountain Standard Time Stations

KFXF, Colorado Springs, Colo. (250m-1200kc), 11 a. m., First Presbyterian church; 7:45, Jim Goodheart's Denver Sunshine Mission services.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-7:30 p. m., Grebe Synchrophase string ensemble; 7:30-8, Jim, Jack and Jean trio; 8-9, Aeolian organ; 9-10, Badger's Hollywood Californians; 10-11, Packard Six dance orchestra.
KFWB, Hollywood, Calif. (252m-1190kc), 9-11 p. m., Warner Brothers Sunday night movie frolic.
KGW, Portland, Ore. (491.5m-610kc), 10:45-12 noon, services, First Presbyterian church; 7:30-9 p. m., East Side Baptist church; 9-10, Chevrolet symphony orchestra.
KHJ, Los Angeles, Calif. (405.2m-740kc), 7-8 p. m., Service, First Methodist Episcopal church; 8-10, Orpheus Four male quartet and others.
KNX, Hollywood, Calif. (336.9m-890kc), 7-8 p. m., Elinor's concert orchestra, Carthay Center Circle theater; 8-9, First Presbyterian church of Hollywood; 9-10:30, program, Beverly Hills Nurseries.
KPSN, Pasadena, Calif. (315.6m-950kc), 10:30 a. m., Family Altar service; 10:50, morning church services; 8:45-9:45, Maryland artists' ensemble.
KTAB, Oakland, Calif. (239.9m-1250kc), 9:45 a. m., Bible lecture; 11, service; 7:45 p. m., service; 9:30-11, concert.

Monday, June 28

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
9 p. m.	8	7	6	5

WCOA (222m-1350kc), U. S. Naval Air Station band.
WOS (440.9m-680kc), Daniel Boone Jones, champion fiddler.

Atlantic	Eastern	Central	Mountain	Pacific
9:30	8:30	7:30	6:30	5:30

WGHB (265.3m-1130kc), Ukulele novelty duo.

Atlantic	Eastern	Central	Mountain	Pacific
10:20	9:20	8:20	7:20	6:20

WAHG (315.6m-950kc), Ferrucci's orchestra.

Atlantic	Eastern	Central	Mountain	Pacific
10:30	9:30	8:30	7:30	6:30

KFAB (340.7m-880kc), Old-time program.
WLIT (394.5m-760kc), Fay's Vaudeville features.
WMC (499.7m-600kc), Pappalardo Brothers orchestra.

Atlantic	Eastern	Central	Mountain	Pacific
10:45	9:45	8:45	7:45	6:45

WRVA (256.3m-1170kc), Edgeworth Opera company.

For stations silent tonight refer to first Monday's list.

Atlantic or Eastern Daylight Saving Time Stations

CKNC, Toronto, Can. (356.9m-840kc), 9 p. m., Eveready orchestra; Eveready male quartet.
WAHG, Richmond Hill, N. Y. (315.6m-950kc), 7:30 p. m., Boy Scouts' program; 8, Synchrophase hour; 9, Major Dent Atkinson; 9:30, William Viglione, tenor; William Mais, violinist, 10:20, Ferrucci's orchestra; 11:02, Ferrucci's orchestra; 12, Frank Gremer's orchestra.
WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert; 8, studio music; 10, WEAF; 11:05, dance program.
WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:35 p. m., recital, N. Snellenburg and company; 8, Carolyn Thomas, soprano; 8:30, The Hood Boys; 8:45, recital; 9, Merry Minstrels; 9:30, Roy Tracy, tenor; 9:45, Chalfont Sisters, harmony singers; 10, Madrigal mixed quartet.
WCSH, Portland, Me. (256.3m-1170kc), 8:30 p. m., Strand theater symphony orchestra.
WEAF, New York, N. Y. (491.5m-610kc), 6-12 midnight, dinner music; A. and P. Gypsies; grand opera; Ben Bernie and its orchestra.
WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra.
WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., Knell's Tokio dance orchestra; 9, Mary Louise Conover and associates in vocal and instrumental program; 9:30, Kane and Johnson Harmony team; 10:30, Harmony club quartet; 11, Vincent Lopez Hotel Statler dance orchestra.
WHAR, Atlantic City, N. J. (275.1m-1090kc), 8 p. m., Flag Day, patriotic program; Seaside hotel trio; 11, Follies Bergere dance orchestra.
WHN, New York, N. Y. (361.2m-830kc), 6:30 p. m., WHN movie club; 7:30, Joe Ward's Swanee entertainers; 8, Roseland dance orchestra; 9, Leverich Three and "Peter the Great"; 9:10, talk; 9:15, Leverich Three and "Peter the Great"; 9:30, Loew's New York orchestra; 10, Palisades Amusement Park orchestra; 10:30, Leroy Smith's orchestra; 11, Cotton club orchestra; 11:30, Club Alabam orchestra; 12, Silver Slipper orchestra.
WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 7, Uncle Wip's bedtime stories.
WJAR, Providence, R. I. (305.9m-980kc), 7:45 p. m., musicale; 9, WEAF; 10, WEAF.
WJZ, New York, N. Y. (454.3m-660kc), 7 p. m., Hotel Madison concert orchestra; 7:55, John B. Kennedy; 8. Maxwell House Coffee ensemble; 9, Reading Seashore band; 11, Harry Leonard's Waldorf-Astoria orchestra.
WLIT, Philadelphia, Pa. (394.5m-760kc), 8:15 p. m., Arcadia cafe concert orchestra; 8:30, Starr Piano company artists; 9, Stanley Hour of Music; 10, Arcadia dance orchestra; 10:30, Fay's vaudeville features; 1:45, El Patio dance orchestra.
WMAK, Buffalo, N. Y. (265.3m-1130kc), 6:15-7:15 p. m., Philco serenaders; 7:30-10:30, musicale.
WMCA, New York, N. Y. (340.7m-880kc), 7 p. m., Hofbrau Haus entertainers; 8:15, Muscle Shoals; 8:30, California Ramblers; 9, Paul Whitman's Beau Rivage orchestra; 9:30, Columbia Park entertainers; 10:30, Coughlan entertainers; 11, Ernie Golden and his Hotel McAlpin orchestra; 12, McAlpin entertainers.
WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Ritz Carlton dance orchestra; 9, recital; 10, WEAF; 11, Adelphia Roof Garden dance orchestra.
WOR, Newark, N. J. (405.2m-740kc), 6:40 p. m., Jacques Jacobs' Hotel Shelton ensemble; 7:45, talk on swimming; 8, lecture; 8:45, Klein's Serenading Shoemakers; 11, Crystal Palace orchestra.

Eastern Standard or Central Daylight Saving Time Stations

WBAL, Baltimore, Md. (245.8-1220kc), 6:30-7:30 p. m., WBAL dinner orchestra; 8-8:30, Frederick D. Weaver, organist; 8:30-9, WBAL male quartet; 9-10, WBAL trio.
WCAP, Washington, D. C. (468.5m-640kc), 6-7 p. m., Washington Post hour; 8-10, WEAF.
WGHB, Clearwater, Fla. (265.3m-1130kc), 8:30-10 p. m., Mrs. Carl Stevens, Ticket Holmes, uke novelty duo.
WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert; 8, Little Symphony orchestra; T. Stanley Perry, tenor; 8:30-9:30, Famous composers hour; 9:30-10, Little Symphony orchestra; 12-1 a. m., Gerald Marks' and his orchestra.
WGY, Schenectady, N. Y. (379.5m-790kc), 5:30 p. m., Hotel Van Curler orchestra; 6:30, studio program; 7:15, program; 8-8:30, studio program.
WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Jean Goldkette's Petite symphony orchestra; 7:15, Casper Lingeman entertainers; 7:45, Goodwill Oakland; 9, Paige and Jewett Sixes; 11:30, Merry Old Chief.
WKRC, Cincinnati, Ohio (422.3m-710kc), 6 p. m., Alvin Roehr and his Hotel Alms orchestra; 8, Eddie Schoelwer, pianist; 8:20, Public schools program; 9, Robert E. Bentley Post, American Legion; Ben Alley, Blue Grass tenor; Mary Steele, contralto; Frank Minard, banjoist; 12, popular songs; 12:30, Erwin Reed and his Garden of Allah orchestra.
WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9 p. m., Corduroy Tire Little symphony orchestra; 10:05, Savutime program; 10:35, Radio period; 11, "23rd Woodpile."
WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., Speed-Wagon serenaders; Gold Standard ensemble.
WRVA, Richmond, Va. (256.3-1170kc), 8:45 p. m., J. Harold Lawrence, blind pianist; 9:15, J. Harold Lawrence, pianist; 9:45, Edgeworth opera company, excerpts from operas; instrumental trio, chours; 11, Carry Me Back to Old Virginny.
WSAI, Cincinnati, Ohio (325.9m-920kc), 10 p. m., Greenland's orchestra.
WTAM, Cleveland, Ohio (389.4m-770kc), 6 p. m., Hollenden hoted orchestra; 8, Willard symphony; 9, studio program; 10, Willard symphony.
WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7, studio program; 8, WEAF; 9, News orchestra.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., dinner concert; 8:30-10:30, old-time program.
KFH, Wichita, Kan. (267.7m-1120kc), 6:30-7 p. m., piano playing contest; 7-8, Gage Brewer's Hawaiians.
KFKX, Hastings, Nebr. (288.3m-1040kc), 9-11 p. m., musicale.
KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., concert, Henry Field Seed company.
KMMJ, Clay Center, Nebr. (288.9m-1310kc), 8 p. m., orchestra.
KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., dinner time recital, Jacquinot Jules, organist; 7, orchestra; 8, light opera; 9, soloists; 10, orchestra, Music Lover's hour, artists' recital; Marguerite Schmidt, soloist.
KPRC, Houston, Tex. (296.9m-1010kc), 7:30 p. m., Rice hotel orchestra; 8:30, Max E. Shippee, Radio tenor.
KSO, Clarinda, Iowa (241.8m-1240kc), 8 p. m., music; 8:30, Mrs. Lee Renny.
KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:05-10 p. m., request hour; 10-10:30, Como Hotel Roof Garden; 10:30-10:50, Edward Richter, cellist; John G. Heyn, pianist.
WAMD, Minneapolis, Minn. (243.8m-1230kc), 7:15 p. m., Radisson concert ensemble; John Santley, baritone; 11, Skyrocket frolic, Golden Gate orchestra.
WBAP, Fort Worth, Tex. (475.9m-630kc), 7:30-8:30 p. m., Northern Texas Traction Company's Traction Four; 9:30-11, employees, Fort Worth National bank; 11-12, entrants, Star-Telegram harmonica and ukulele contest.
WCOA, Pensacola, Fla. (222m-1350kc), 7-10 p. m., U. S. Naval Air Station band; R. C. McCoy, cornetist; 5. Sparks.
WFAA, Dallas, Tex. (475.9m-630kc), 6:30-7:30 p. m., Honey Boys orchestra; 8:30-9:30, Sears-Roebuck Agricultural Foundation program.
WHB, Kansas City, Mo. (365.6m-820kc), 7-8 p. m., Sweeney Radio orchestra.
WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Pappalardo Brothers orchestra.
WOAI, San Antonio, Tex. (394.5m-760kc), 8:30 p. m., Sunshino Laundry orchestra.
WOAW, Omaha, Nebr. (526m-570kc), 6:20 p. m., Frank Peterson, tenor; Helen Higgins, pianist; 6:50, Randall's Royal Fontenelle orchestra; 9, classical.
WOS, Jefferson City, Mo. (440.9m-680kc), 8 p. m., Daniel Boone Jones, fiddling champion.
WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., concert; 10:45, concert.
WSBT, South Bend, Ind. (275.1m-1090kc), 7-9:30 p. m., concert.
WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., dinner concert, Andrew Jackson hotel trio; 8, Mrs. L. L. Gamble, soprano; Mrs. William Henry Jackson, pianist; 10, Vito and his Radio Five.

Mountain Standard Time Stations

KFXF, Colorado Springs, Colo. (250m-1200kc), 9 p. m., Elizabeth Hamlin, soprano; Mrs. John Speed Tucker, soprano; Mrs. H. H. Seldomridge, soprano; Dean E. D.

CLASSICAL CONCERTS INDEX

Saturday

Atlantic	Eastern	Central	Mountain	Pacific	Stations
7 p. m.	6	5	4	3	WCX, WEAF, WMCA, WREO.
8	7	6	5	4	KGO, KYW, WEAR, WENR, WMAQ, WNYC, WOAW, WOK, WRC.
9	8	7	6	5	KDKA, KFNF, KOIL, KSD, KYW, WBBR, WGN, WMBB, WNYC, WOAW, WQJ.
10	9	8	7	6	KFOA, KPRC, KHJ, KYW, WHAS, WIP, WLW, WORD, WSAI, WSOE.
11	10	9	8	7	KNX, KYW, WEAF, WMAQ, WMC, WOAW, WOC, WORD.
12 m.	11	10	9	8	KGO.
1 a. m.	12 m.	11	10	9	WOAW.

Sunday

Atlantic	Eastern	Central	Mountain	Pacific	Stations
7:20 p. m.	6:20	5:20	4:20	3:20	WCAE, WCAU, WEAF, WEEI, WJAR, WJAZ, WTAG, WWJ.
9	8	7	6	5	WAMD, WBZ, WEAR, WCAU, WHAR, WJAZ, WHT, WNYC, WQJ.
0	9	8	7	6	KFDM, KPRC, KSD, WBZ, WCBD, WCCO, WEAR, WGY.
9:15	8:15	7:15	6:15	5:15	WEAF chain.
11	10	9	8	7	KHJ, KNX, KTHS, KYW, WCCO, WFAA, WOC, WSOE.
12 m.	11	10	9	8	KFVE, KHJ, KNX, KPO, KTHS, WKRC, WOC.
1 a. m.	12 m.	11	10	9	KHJ, KNX, WOC.
2	1	12 m	11	10	KNX.

Monday

Atlantic	Eastern	Central	Mountain	Pacific	Stations
7 p. m.	6	5	4	3	KGO, WCX, WEAF, WOK, WREO, WWJ.
8	7	6	5	4	KMA, WBBR, WCCO, WEAF, WEAR, WHAR, WHAD, WHT, WJR, WMBB, WOAW, WTAG.
9	8	7	6	5	KFNF, KSD, WBZ, WCX, WLW, WTIC.
10	9	8	7	6	KFOA, KGO, KHJ, KPRC, WCCO, WBZ, WHAD, WHO, WLW, WORD, WOS.
11	10	9	8	7	KMA, KPO, KPRC, KSD, KTHS, WAMD, WCCO, WHAD, WOAW, WSUI.
12 m.	11	10	9	8	KGW, KHJ, KMA, KSD, KTHS, KWSC, WSAI.
1 a. m.	12 m.	11	10	9	KGW, WBAP, WSAI.
2	1	12 m	11	10	KHJ.

Tuesday

Atlantic	Eastern	Central	Mountain	Pacific	Stations
7 p. m.	6	5	4	3	WBZ, WCX, WREO, WWJ.
8	7	6	5	4	KGO, KMA, WEAR, WHAD, WJR, WMAQ, WOAW, WOK, WTIC, WWJ.
9	8	7	6	5	KFNF, KSD, KYW, WBZ, WCAE, WCX, WEAR, WHT, WLS, WMBB, WQJ, WRC, WTIC.
10	9	8	7	6	KFDM, KFOA, KGO, KHJ, KLDS, KYW, WCAE, WCBD, WCCO, WEAF, WEEI, WGR, WHAS, WJAR, WLW, WMAQ, WOC, WORD, WTAG.
11 p. m.	10	9	8	7	KFAB, KFDM, KFUO, KMA, KNX, KPRC, KTHS, WCAE, WCCO, WEAF, WEAR, WEEI, WLW, WMCA, WOC, WSAI, WSOE, WTAG.
12 m.	11	10	9	8	KGO, KHJ, KMA, KYW, WSAI.
1 a. m.	12 m.	11	10	9	KPO, KYW, WHO, WMC.

Wednesday

Atlantic	Eastern	Central	Mountain	Pacific	Stations
7 p. m.	6	5	4	3	WCX, WREO, WWJ.
8	7	6	5	4	KGO, WEAR, WHAD, WJR, WMAQ, WOK, WTIC.
9	8	7	6	5	KFNF, KPRC, KSD, KYW, WAMD, WBZ, WCX, WEAF, WEEI, WHT, WLW, WMBB, WMCA, WQJ, WTAG, WWJ.
10	9	8	7	6	KFOA, KGO, KPRC, KSD, KYW, WBZ, WCCO, WDAF, WEEI, WGR, WHAD, WHAS, WJAR, WMAQ, WOR, WOS, WORD.
11	10	9	8	7	KFMX, KMA, KNX, KTHS, WAMD, WCCO, WEAF, WEEI, WGR, WHAD, WJAR, WLS, WMAQ, WNYC, WOC, WSOE.
12 m.	11	10	9	8	KGO, KGW, KMA, KPO, KTHS, WCAE, WLS, WLW, WOC, WSAI.
1 a. m.	12 m.	11	10	9	KGW, KPO, WHAD, WLW.
2	1	12 m	11	10	WLW.

Thursday

Atlantic	Eastern	Central	Mountain	Pacific	Stations
7 p. m.	6	5	4	3	WBZ, WCX, WIP, WREO, WWJ.
8	7	6	5	4	KGO, KSD, WEAF, WEAR, WGBS, WHAD, WJR, WMAQ, WOAW, WOK, WWJ.
9	8	7	6	5	KYW, WBBR, WBZ, WCAU, WCCO, WCX, WEAR, WEEI, WGR, WGY, WHAR, WHT, WLS, WLW, WMBB, WOAW, WQJ, WTAG, WTIC.
10	9	8	7	6	KHJ, KLDS, WBAP, WCAE, WCAU, WCBD, WCCO, WEAF, WEEI, WGR, WHAR, WHAS, WJAR, WJAZ, WNYC, WOC, WORD, WRC, WSAI, WSB, WTAG.
11	10	9	8	7	KNX, KPRC, KTHS, KYW, WAMD, WGR, WGY, WHAD, WJAZ, WMC, WOAW, WOC, WSAI.
12 m.	11	10	9	8	KGO, KPO, KTHS, WBAP, WJAZ, WKRC.
1 a. m.	12 m.	11	10	9	KGW, KPO, WHO, WKRC.

Friday

Atlantic	Eastern	Central	Mountain	Pacific	Stations
7 p. m.	6	5	4	3	KGO, WCX, WMCA, WREO, WWJ.
8	7	6	5	4	KGO, WEBJ, WGY, WHAD, WJR, WMAQ, WOAW, WOK, WOR, WTIC.
9	8	7	6	5	KYW, WAHG, WAMD, WBZ, WCAU, WCX, WEBJ, WEEI, WHT, WLS, WQJ, WWJ.
10	9	8	7	6	KFDM, KFNF, KFOA, KGO, KHJ, KSD, KYW, WBAP, WBZ, WCAU, WDAF, WEEI, WHAD, WJAR, WMAQ, WMCA, WSAI.
11	10	9	8	7	KFAB, KFDM, KOA, WCCO, WHAD, WMAQ.
12 m.	11	10	9	8	KFMX, KHJ, KNX, KPO.
1 a. m.	12 m.	11	10	9	KPO.

Hale, pianist; Margaret Paige, pianist; Bennie Wreath, violinist.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Owen Fallon's Californians, Jackie Lucas, soloist; 8-9, classical hour; 9-10, program, Walter M. Murphy Motors company, KPO; 10-11, popular hour by Meiklejohn Brothers.

KFWB, Hollywood, Calif. (252m-1190kc), 6-7 p. m., Pontiac Six dinner hour; 7:30-8, program, Dr. Ralph Mitchell and Associated Dentists; 8-9, program, Sealy Mattress company; 9-10, Bill Hatch's Oakmount Country club orchestra; 10-11, Warner Brothers frolic.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-9, organ recital; 9-10, vaudeville entertainment; musical acts, Punch and Judy, Columbia Knit Mermaids; 10-12, Cole McElroy's dance orchestra.

KJR, Seattle, Wash. (384.4m-780kc), 8:30-10 p. m., Post Intelligencer studio program.

KNX, Hollywood, Calif. (336.9m-890kc), 7-7:30 p. m., feature program; 7:30-8, program, Overell's; 8-9, L. W. Stockwell company program; 9-10, studio program; 10-11, Silvertown Cord dance orchestra; 11-12, Ambassador hotel dance orchestra.

KTAB, Oakland, Calif. (239.9m-1250kc), 8-10 p. m., studio program.

Tuesday, June 29

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
6:45 p. m.	5:45	4:45	3:45	2:45

WOR (405.2m-740kc), Jacques Jacobs Hotel Shelton ensemble.

8:30	7:30	6:30	5:30	4:30

WIP (508.2m-590kc), Murphy's Minstrels.

10	9	8	7	6

WBAL (245.8m-1220kc), Municipal band.

10:15	9:15	8:15	7:15	6:15

WCAU (277.6m-1080kc), Eddie Malle and entertainers.

11	10	9	8	7

WHN (361.2m-830kc), Barn club orchestra.

For stations silent tonight refer to first Tuesday's list.

Atlantic or Eastern Daylight Saving Time Stations

CNRA, Moncton, Can. (312.4m-960kc), 9 p. m., Imperial theater orchestra; 11, CNRA dance orchestra.

WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert; 8, WEAF; 8:30, WEAF; 9, WEAF; 10, musicale.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:30 p. m., Charlie Kerr's dance orchestra; 7:30, Snellenburg instrumental trio; 8:10, The Three Brothers; 8:25, Peter Ricci, baritone; 8:45, Higgins and Burke, songs; 9, Kuehnle's artists; 9:30, Robert Fraser, blind gospel singer; 10, recital; 10:15, Eddie Malle and entertainers; 10:30, Cathay Tea Garden dance orchestra.

WCSH, Portland, Me. (256.3m-1170kc), 8 p. m., WEAF.

WEAF, New York, N. Y. (491.5m-610kc), 6 p. m., dinner music; 8, Grand Prize Eurekas, WEEI, WFI, KSD, WCAE, WWJ, WCSH, WSAI, WTAG, WGR, WCCO, WOC, WTAM, WJAR; 8:30, Gold Dust Twins, WEEI, WFI, WCAE, WGR, WWJ, WOC, WCSH, WJAR, WCCO, WLIB, WTAM, KSD; 9, Eveready hour, WEEI, WFI, WCAE, WGR, WWJ, WOC, KSD, WJAR, WCCO, WTAG, WGN, WTAM, WSAI; 10, Variety half hour; 10:30, Ben Bernie and his orchestra; 11-12, Buffalodians dance orchestra.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra; 8, WEAF.

WGBS, New York, N. Y. (315.6m-950kc), 7 p. m., Arrowhead Inn concert orchestra; 10:30, Arrowhead Inn dance orchestra.

WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., Vincent Lopez Hotel Statler dance orchestra; 8, WEAF.

WHAR, Atlantic City, N. J. (275.1m-1090kc), 8 p. m., Seaside hotel trio.

WHN, New York, N. Y. (361.2m-830kc), 6:30 p. m., Everglades orchestra; 7:30, Will Oakland's Chateau; 8, Treasureland Neighbors; 8:45, Prince Piotti, songs; 9:50, Loew's 83rd Street orchestra; 10, Universal trio; 10:30, Strand Roof orchestra; 11, Barn club orchestra; 11:30, Club Alabam orchestra; 12, Silver Slipper orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 7, Uncle Wip's bedtime stories; 8, concert from Marine studio; 8:30, Murphy's Minstrels; 9, Chalfont-Haddon Hall dual trio; 10, Creatore and his band; 10:15, recital from Steel Pier; 10:30, piano recital, Karl Bonawitz; 11, Joseph Samuels dance orchestra; 11:30, Silver Slipper supper club revue.

WJAR, Providence, R. I. (305.9m-980kc), 7:30 p. m., musicale; 8-10, WEAF.

WJZ, New York, N. Y. (454.3m-660kc), 7 p. m., Frank Dole; 8, One-up Cut-ups; 8:30, Deltah Pearl hour; 9, Breyer hour; 10, The Grand Tour; 10:45, George Olsen's Hotel Pennsylvania Roof orchestra.

WMAK, Buffalo, N. Y. (265.3m-1130kc), 10:30-11:30 p. m., Beaver Products program, WGY, WFBL, WHAM.

WMCA, New York, N. Y. (340.7m-880kc), 7 p. m., Hofbrau Haus entertainers; 8:15, Muscle Shoals; 8:30, California Ramblers; 9, Paul Whitman's Beau Rivage orchestra; 9:30, Columbia Park entertainers; 10:30, Coughlan entertainers; 11, Ernie Golden and his Hotel McAlpin orchestra; 12 mid., McAlpin entertainers.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Adelphia Roof Garden dance orchestra.

WOR, Newark, N. J. (405.2m-740kc), 6:40 p. m., Jacques Jacobs' Hotel Shelton ensemble.

Eastern Standard or Central Daylight Saving Time Stations

WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., WBAL dinner orchestra; 8-9, WBAL staff artists; Celia Brace, violinist; George Bolek, pianist; 9-10, municipal band.

WBBM, Chicago, Ill. (225.4m-1330kc), 8-12 mid., Alemite orchestra; Moss Covered melodies.

WCBD, Zion, Ill. (344.6m-870kc), 9 p. m., Mandolin and guitar club; George Beem, marimba soloist; duets; trios; Mrs. J. Thomas, soprano; M. Barton, tenor; J. Bishop, baritone; Mrs. Ruth Beem DePew, reader; Olive Wright, pianist.

WEBH, Chicago, Ill. (370.2m-810kc), 7-8 p. m., Edgewater Beach hotel orchestra; Kathryn Forbes; Lydia Lochner; 9:10-10, Uptown theater; 11-12:30, Cook Sisters, orchestra; Harmony singers.

WENR, Chicago, Ill. (265.3m-1130kc), 6-7 p. m., Rauland lyric trio; 8-9, Arthur Dunas, popular program; 9-10, Moody Bible Institute Evening hour.

WGES, Oak Park, Ill. (249.9m-1200kc), 5-7 p. m., Paradise Plane; Peggy and Esther; 8-9, Tom Wheeler, Joie Walsh, Frank Hayes, Peggy O'Neill; 11-1, Bobby Lee, Peggy O'Neill; Esther Richards, Clarence Theders, Flo and Ray.

WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert; 8:15-10, Skylark dance band; Gladys Sanderson and her uke; 12-1 a. m., Gerald Marks' orchestra.

WGN, Chicago, Ill. (302.8m-990kc), 6:30-7:15 p. m., Blackstone string quintet, Drake concert ensemble; 8-9, WEAF; 9-10, feature; 10:40-11, musical program, ensemble.

WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., program; 7:30, WJZ; 8, musical program; 9, WJZ; 9:30, Beaver hour, musical program, WMAK.

WHT, Chicago, Ill. (399.8m-750kc), 7 p. m., organ recital, Al Carney; 7:40, chapel; 8:45-10:15 (283m-1266kc), Cinderella cafe orchestra; 10:50 (399.8m-750kc), Pat Barnes and Al Carney; 12, U. S. L. half hour of dance music.

WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., dinner concert, Chester Newman, baritone; Charlotte Edwards, contralto; Eugene Wallenius; Margaret Cade, soprano; string trio; 12, Ted Fiorito, Dan Russo, Marie Tully, Wayne Myers, Jack Goodwin, Ray Hibbler, Joe Coffee, Harry Brooker.

WJAZ, Chicago, Ill. (329.5m-910kc), 9-12 mid., Earl Hoffman's Chez Pierre orchestra; The Quips that Pass in the Night; William Hayden, tenor; Henrietta Nolan, violinist; Francis Rosemary Scheib, soprano; Earl Smith and Jackie Ford, the high pressure boys.

WJJD, Mooseheart, Ill. (370.2m-810kc), 5:30-7 p. m., Jack Nelson; Howard L. Peterson; Victorians; 8-9, children's program; 10-11, Victorians; 12:30, Settin' Up hour.

WJR, Pontiac, Mich. (526.9m-580kc), 7 p. m., Glover Watson, old-time dance orchestra; 8, Tom Bartel's Boys; 9, Jean Goldkette's orchestra.

WKRC, Cincinnati, Ohio (422.3m-710kc), 10 p. m., Eugene Perazzo, organist; 11, entertainers; 11:30, Bert Lindsey, Kern Aylward, Merrl J. Schwarz.

WLIB, Chicago, Ill. (302.8m-990kc), 7-7:05 p. m., Million Sing; 7:05-7:15, Old-fashioned almanack; 7:15-7:30, dinner music; 7:30-8, WEAF; 11-11:20, Correll and Gosden; 11:20-1 a. m., Liberty studio ensemble; Ambrose Larsen, organist; Tommy Thatcher's dance orchestra; Purple Grackle orchestra.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Hotel LaSalle orchestra; 9:20, music.

WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon ensemble; Genevieve Barry Burnham; 9-11, Trianon orchestra; Joe Warner.

WOK, Chicago, Ill. (217.3m-1380kc), 4:30-6 p. m., Capitol theater organ; tenor; string ensemble; 6-7, Tip-Top Inn; 10-1:30 a. m., Tearney's Town club orchestra; Pershing Palace orchestra; Midway Garden orchestra; Capitol theater program, studio program.

WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9 p. m., Ye Olde Tyme Songe Feste, Roy Clark, Sally Simpkins, Marian Cusser, Claude Lee, Beth Garrison; 9:30, Regent Grand orchestra; 9:45, Melissa Dvorak, pianist; 10:05, studio program.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Gardens orchestra; 10-2 a. m., Rainbo Gardens orchestra; Jerry Sullivan; Hal Lansing; Bert Davis; Everett George Opie; Harold Olson, baritone; Ila Shannabrook, soprano; Romo Vincent, boy baritone; Will Rossiter; Johnny Poat, baritone; Tell Taylor, tenor; Ward Purkeyser, tenor.

WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., Speed-Wagon serenaders; Gold Standard ensemble; 8:15, Reo Motor Car company band.

WSAI, Cincinnati, Ohio (325.9m-920kc), 7 p. m., WEAF; 7:30, musicale; 8, WEAF; 9, musicale.

WTAM, Cleveland, Ohio (389.4m-770kc), 6 p. m., State theater vaudeville; 7-10, WEAF; 10, studio program; 11, orchestra.

WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7, WEAF.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., Buick Little symphony orchestra; 8:05-10:30, U. of Nebraska.

KFDM, Beaumont, Tex. (315.6m-950kc), 7:30-8 p. m., children's program; 8-10, orchestra.

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Tuesday, June 29

KFH, Wichita, Kan. (267.7m-1120kc), 6:30-7 p. m., piano playing contest; 7-8, musicale.
KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., open.
KLDS, Independence, Mo. (440.9m-680kc), 8 p. m., studio program.
KMMJ, Clay Center, Nebr. (228.9m-1310kc), 8 p. m., band concert.
KPRC, Houston, Tex. (296.9m-1010kc), 7:30 p. m., Billie Mack's dance orchestra.
KSO, Clarinda, Iowa (241.8m-1240kc), 8 p. m., music; 8:15, Snappy Seven.
KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:05-9:30 p. m., accordion solos, Joe Kuntz; 9:30-10, New Arlington hotel orchestra.
KVOO, Bristow, Okla. (374.8m-800kc), 6-9 p. m., Jimmie Wilson and his Catfish string band.
KYW, Chicago, Ill. (535.4m-560kc), 6 p. m., Chicago Evening American studio; 7, program, Congress hotel; 9-9:30, classical concert; 9:30-10:30, Congress carnival.
WBAP, Fort Worth, Tex. (475.9m-630kc), 7:30-8:30 p. m., Clyde Massengale, baritone; Mrs. Florence Massengale, pianist; 9:30-11, musicale.
WFAA, Dallas, Texas. (475.9m-630kc), 6:30-7:30 p. m., Ford's Texas Trumpeters; 8:30-9:30, Rea Nunnallee and musicians; 11-12, Jimmy Joy's orchestra.
WGBF, Evansville, Ind. (236.1m-1270kc), 7 p. m., musicale; 8, old fiddlers.
WHAS, Louisville, Ky. (299.8m-750kc), 7:30-9 p. m., Cardinals.
WHB, Kansas City, Mo. (365.6m-820kc), 7-7:30 p. m., dinner hour organ concert; 8-9:30, popular program.
WOAI, San Antonio, Tex. (394.5m-760kc), 8:30 p. m., Gerbhardt Mexican players.
WOAW, Omaha, Nebr. (526m-570kc), 6 p. m., Hugo G. Heyn, xylophonist; 6:50, orchestra; 9, program, Hannan-Vant Brunt company; 10:10, Radio review.
WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., concert; 10:45, concert.
WSM, Nashville, Tenn. (282.8m-1060kc), 8 p. m., popular program, Mrs. Thomas Pinkerton.

Mountain Standard Time Stations

CNRR, Regina, Can. (312.3m-960kc), 8 p. m., studio program.
KFXF, Colorado Springs, Colo. (250m-1200kc), 8 p. m., Mary Fry Miller, soprano; Stanley Effinger, baritone; Margaret Dietrich, violinist; R. Gratz Cox, pianist; Edgar Laughlin, baritone; Mrs. Maude McFerran Price, pianist.

Pacific Standard Time Stations

CNRV, Vancouver, Can. (291.1m-1080kc), 9 p. m., Ramona Rambert, Clare McKinley, Delos Jewkes; 10:30, Cabaret Belmont orchestra.
KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Virginia ballroom orchestra; 8-9, Screen Artists string quartet; 9-10, varied program; 10-11, Packard Radio club.
KFWB, Hollywood, Calif. (252m-1190kc), 6-7 p. m., Pontiac Six dinner hour; 8-9, program, Richard Hellman, Inc.; 9-10, program, American Brake Testing company; 10-11, Warner Brothers frolic.
KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 10-12, dance music, Multnomah hotel, Herman Kenin's dance orchestra; pianist.
KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., weekly visit of Queen Titania and the Sandman; 8-10, de luxe presentation; 10-11, dance music.
KNX, Hollywood, Calif. (336.9m-890kc), 7-7:45 p. m., program, Geo. E. Read, Inc.; 7:45, health talk; 8-9, program, Builder's Finance association; 9-10, program, Western Auto Supply company; 10-12, movie night at the Ambassador, Ray West's Cocoanut Grove orchestra.
KPSN, Pasadena, Calif. (315.6m-950kc), 8-9 p. m., Star-News ensemble; George Frenger, tenor.
KTAB, Oakland, Calif. (239.9m-1250kc), 8-9 p. m., educational program.

Wednesday, June 30

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
9:30 p. m.	8:30	7:30	6:30	5:30
WHAS (399.8m-750kc), Sylvia trio.				
10	9	8	7	6
WGR (319m-940kc), Humboldt choral club.				
10:30	9:30	8:30	7:30	6:30
KSO (241.8m-1240kc), Coin, Ia., entertainers.				
WOAI (394.5m-760kc), Army night.				
WOS (440.9m-680kc), Missouri Hill Billies.				
11:05	10:05	9:05	8:05	7:05
KTHS (374.8m-800kc), Light opera hits.				
12 m.	11	10	9	8
WSM (282.8m-1060kc), Exchange club quartet.				

For stations silent tonight refer to first Wednesday's list.

Atlantic or Eastern Daylight Saving Time Stations

CFCA, Toronto, Can. (356.9m-840kc), 11 p. m., Gilbert Watson and his orchestra.
WAHG, Richmond Hill, N. Y. (315.6m-950kc), 7:45 p. m., studio program; 8:15, Michael Lamberti, cellist; 8:30, William Sweeney, baritone; 8:45, Michael Lamberti, cellist; 9, studio recital; 9:30, Milton Schwartz, violinist; Milton Katz, pianist; 10, Cliff Ulrich, Ray Sinnott, cheer-up boys; 10:30, dance music.
WCAE, Pissburgh, Pa. (461.3m-650kc), 8 p. m., WEAF; 8:30, WEAF; 9, concert; 10, WEAF.
WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30 p. m., recital, N. Snellenburg and company; 8:10, Hotel Pennsylvania concert orchestra; 8:30, Miller piano trio; 9, dance orchestra; 9:45, Senator Hassenpfesser; 9:50, recital; 10, recital; 10:30, Zoehrns and Herscher, songs; 10:45, Frank Cook, old-time songs; 11, Artie Bitong's Cheer-Up club.
WCSH, Portland Me. (256.3m-1170kc), 8 p. m., WEAF.
WEAF, New York, N. Y. (491.5m-610kc), 6 p. m., dinner music; 7:30, musicale; 8, Shinola Merrymakers, Gentlemen of the 2 in 1, WTAG, WCAE, WWJ, WJAR, KSD, WGR, WEEI, WOO, WCSH, WOC, WCCO, WCAP, WSAI; 8:30, Davis Saxophone octet, WOO, WCAE, WSAI, WEEI, WJAR, WGR, WCSH; 9, Ipana Troubadours, WEEI, WCAP, WOO, WWJ, WLIB, WCCO, WOC, WGR, WSAI, KSD; 10, light opera company, WCAP, WJAR, WDAF, WEEI, WTAG, WCAE, WWJ, WCSH, KSD, WTIC; 11-12, Pelham Heath Inn orchestra.
WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Startford concert orchestra; 7, Bellevue Stratford dance orchestra.
WGR, Buffalo, N. Y. (319m-940kc), 8 p. m., WEAF; 10, Humboldt choral club.
WHN, New York, N. Y. (361.2m-830kc), 7:30 p. m., Loew's Lexington organ recital; 9, Loew's New York orchestra; 9:30, Palisades Amusement Park orchestra; 10, Roseland dance orchestra; 10:30 p. m., standing by; 11:30, Silver Slipper orchestra; 12 mid., Cotton club orchestra.
WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra.
WJAR, Providence, R. I. (305.9m-980kc), 7:30 p. m., chamber musicale; 8-9, WEAF; 9, musicale; 10, tabloid musicale.
WJZ, New York, N. Y., (454.3m-660kc), 8 p. m., Imperial Imps; 8:30, La Prensa hour; 10:30, Hotel Astor Roof orchestra.
WLIT, Philadelphia, Pa. (394.5m-760kc), 8:10 p. m., Arcadia cafe concert orchestra; 8:30, concert; 10, Arcadia cafe dance orchestra.
WMAK, Buffalo, N. Y. (265.3m-1130kc), 6:30-7:15 p. m., Hotel Lafayette orchestra; 7:30-8:05, Eastman theater orchestra, WGY; 8:05-10, WHAM studio program, WGY.
WMCA, New York, N. Y. (340.7m-880kc), 6:30 p. m., Ernie Golden and his Hotel McAlpin orchestra; 7:30, Tappen's orchestra; 8, X-IT Hawaiians; 8:30, Meister Homesteaders; 9, Mamaroneck night; 12 mid., McAlpin entertainers.
WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Sylvania dance orchestra; 8, WEAF; 8:30, WEAF; 9, WEAF; 10, recital; Fox theater studio; 10:30, Ritz Carlton dance orchestra.
WOR, Newark, N. J. (405.2m-740kc), 6:30 p. m., Jacques Jacobs' Hotel Shelton ensemble; swimming; 11, Crystal Palace orchestra.

Eastern Standard or Central Daylight Saving Time Stations

WBBM, Chicago, Ill. (225.4m-1330kc), 8-10 p. m., popular period; 12, Nutty club.
WCAP, Washington, D. C. (468.5m-640kc), 7-7:30 p. m., WEAF; 7:30-8, concert; 8-10, WEAF; 10-10:30, announced; 10:30-12, dance music.
WEBH, Chicago, Ill. (370.2m-810kc), 7-8 p. m., Osborn's orchestra; Florence Behrend; Frank Greif, Frank Bordner; 9-10, Osborn's orchestra; Frank Bordner; Lawrence Salerno; 11-12:30 a. m., orchestra; Kay Ronayne, Florence Behrend.
WENR, Chicago, Ill. (265.3m-1130kc), 6-7 p. m., Rauland lyric trio; 8-10, All-American Pioneers; 12-2 a. m., midnite frloic.
WGES, Oak Park, Ill. (249.9m-1200kc), 5-7 p. m., Paradise Plane; 8-9, Jimmy Wall; Frank Sylvano; Louis Panico; Guyon's Paradise ballroom orchestra; 11-1 a. m., Casey and Gervais; Ray Dean; Fay Dillon; Louis Panico; Guyon's Paradise ballroom orchestra.
WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert; 8, Little Symphony orchestra; Madame Gizi Szanto, pianist; WGHP male quartet; 12-1 a. m., Gerald Marks' orchestra.
WGN, Chicago, Ill. (302.8m-990kc), 6:35-7:15 p. m., Blackstone string quintet; 9-10, grand opera selections; 10-10:10, Sam 'n' Henry; 10:10-10:20, studio music; 10:30-12:30, Pepper Party.
WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., Eastman theater orchestra.
WHT, Chicago, Ill. (399.8m-750kc), 7:10 p. m., Edwin Kemp, tenor; 7:40, chapel; 8:30-10:15 (238m-1260kc), Cinderella cafe orchestra; 11 (399.8m-750kc), Art Becker, pianist; Al and Pat; 12 midnight, your hour league.
WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., concert, Dorothy Rae, soprano; Charles Champlin, baritone; Evelyn Elliott, contralto; Frank Greif, tenor; trio; 10-12, Marie Tully, Wayne Myers, William Molnaire, Cramer and O'Grady; Elsie Orr; Lenore Friedman, Pearl Holtzman.
WJAZ, Chicago, Ill. (329.5m-910kc), 9-12 p. m., Earl Hoffman's Chez Pierre orchestra; artist pupils, Edwin J. Gemmer Piano studio; artist pupils, Alexander Nakutin Vocal studio; Chez Pierre Hawaiian quartet.
WJJD, Mooseheart, Ill. (370.2m-810kc), 5:30-7 p. m., Jack Nelson; Howard L. Peterson, organist; Symphony players; Victorians; 8-9, music, Mooseheart children; 10-11, Palmer House Victorians; Isabel Defaut; 12:30, Settin' Up hour.
WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Jean Goldkette's Petite symphony orchestra; 7:45, Goodwill Oakland; 9, Jean Goldkette's orchestra; 11, Murphy Brothers organ; 12 midnight, Merry Old Chief, Jewett Radio Jesters.
WKRC, Cincinnati, Ohio (422.3m-710kc), 6 p. m., Alvin Roehr and his Hotel Alms orchestra; 8:15, Gene Perazzo,

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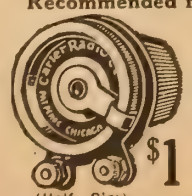

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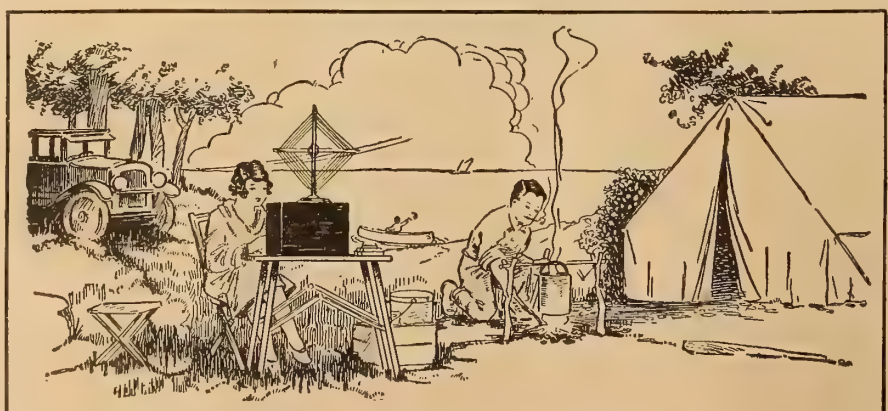

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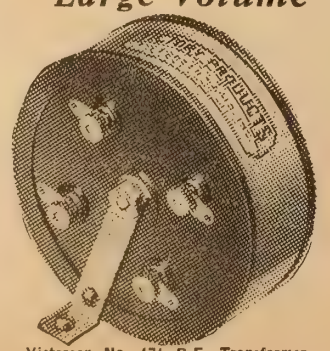

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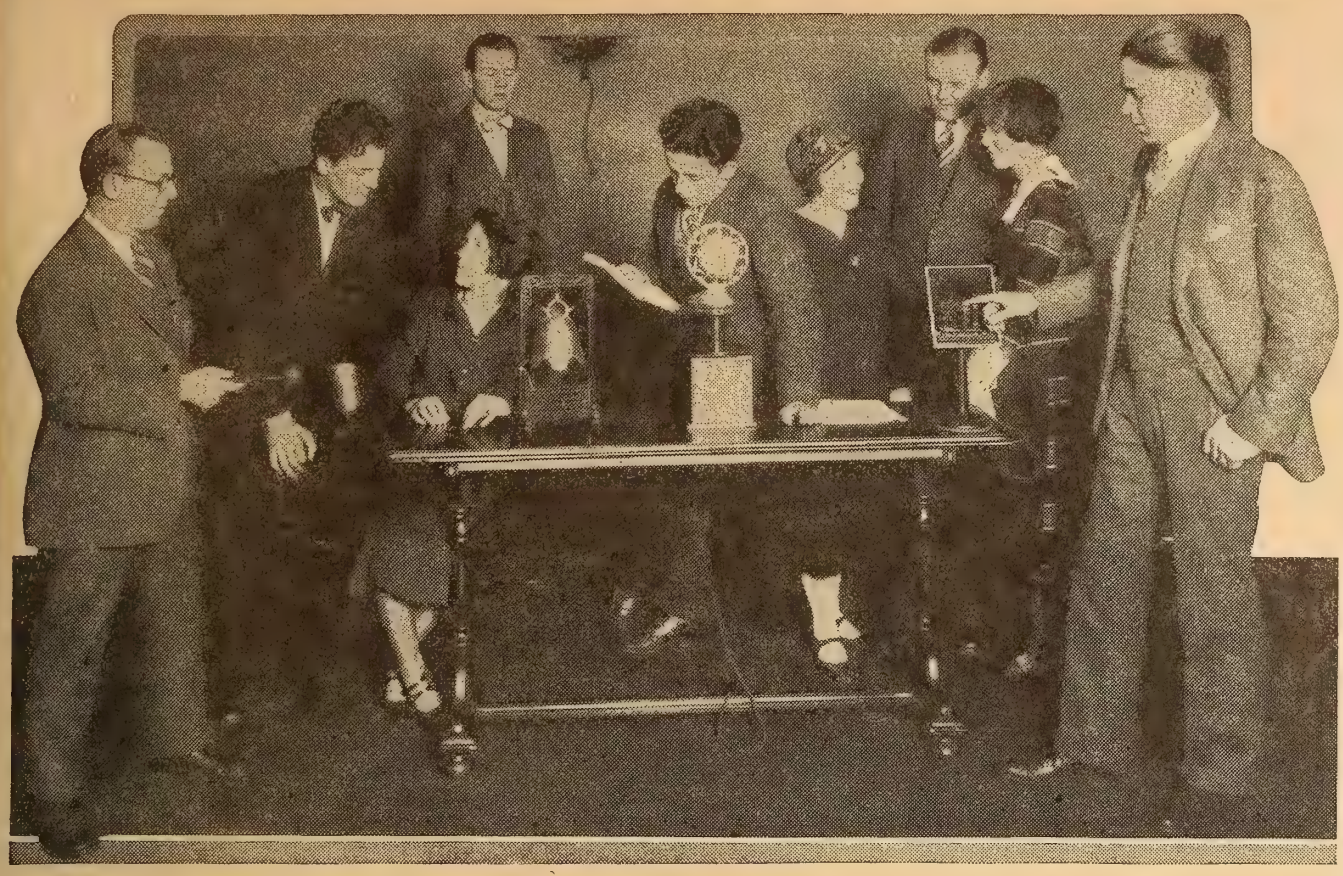

WOAW discovered recently that a capable group of Radio players existed among the staff artists. Here they are as they appeared in "The Step On the Stairs." Notice Eugene Konecky at the left directing the players. Nor will the efforts of this dramatic group cease with the mystery play. They have many surprises in store for fans tuning in on this station during June.

Wednesday, June 30

pianist; 8:30, Oliver Plunkett, tenor; 9, Everfresh hour; 12, popular songs; 12:30, Wesley Helvey and his LaVista orchestra.

WLIB, Chicago, Ill. (302.8m-990kc), 7-7:05 p. m., million sing; 7:15-7:30, dinner concert; 7:30-7:50, Pattison Coates, baritone; Edward Barry, pianist; 7:50-8, Auld Sandy; 8-9, WEAF; 12:30-1 a. m., Ambrose Larsen, organist.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Hotel LaSalle orchestra; 8:30, Whitney trio; 9, WMAQ players, chimes.

WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon duo; 9-11, Trianon orchestra; artists.

WOK, Chicago, Ill. (217.3m-1380kc), 4:30-7 p. m., Capitol theater organ; studio program; Tip-Top Inn string ensemble; 10-1:30 a. m., Tearney's Town club orchestra; Pershing Palace orchestra; Midway Garden orchestra; Capital theater program.

WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9 p. m., Willard Storage Battery hour; 9:30, Savutime program; 10:05, Atwater Kent hour.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Gardens orchestra; 10-2 a. m., Rainbo Gardens orchestra; Melodians; Clarence Theders, tenor; Joe Warner, character songs.

WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., Speed-Wagon serenaders; Gold Standard ensemble.

WRVA, Richmond, Va. (256.3m-1170kc), 8:45 p. m., Negro quartet, spirituals; 9, Highland Park orchestra, soloists, vocal and instrumental; 10, organ recital, chimes; 11, Carry Me Back to Old Virginny.

WSAI, Cincinnati, Ohio (325.9m-920kc), 6:45 p. m., chimes; 7, WEAF; 7:30, WEAF; 8, WEAF; 9, musicale; 10, Congress Playing Card string quartet.

WTAM, Cleveland, Ohio (389.4m-770kc), 6:15 p. m., Hotel Cleveland orchestra; 7:30, WEAF; 8, Public Auditorium program.

WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7, WEAF; 7:30, News orchestra; 8, dance program; 9, WEAF.

Central Standard Time Stations

CNRW, Winnipeg, Can. (384.4m-780kc), 9 p. m., Fort Garry hotel trio; A. Leslie Garside, baritone; Emile Mignacca, violinist; Eveline Wildgoose, pianist; Fort Garry hotel trio; Eleanor Williams Edmond, contralto; A. Leslie Garside, baritone.

KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., dinner concert; 8:30-10, Buick Little symphony; Harmony Boys; Gloomy Gus.

KFH, Wichita, Kan. (267.7m-1120kc), 6:30-7 p. m., piano playing contest; 7-8, American Legion band.

KFKX, Hastings, Nebr. (288.3m-1040kc), 9-11 p. m., musicale, Lincoln, Nebr.

KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., Seed company.

KPRC, Houston, Tex. (296.9m-1010kc), 7:30 p. m., Jack Willrich's orchestra; Virginia Willrich, piano accordionist; 8:30, Frank Tilton, blind wonder boy pianist.

KSO, Clarinda, Iowa (241.8m-1240kc), 8 p. m., music; 8:30, Coin, Iowa entertainers.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:05-10 p. m., musical comedy, Meyer Davis orchestra; 10-10:30, Ray Mullins and his dance orchestra.

KVOO, Bristow, Okla. (374.8m-800kc), 6-9 p. m., Radio trio; Mascho, Cunningham, Mascho.

KYW, Chicago, Ill. (535.4m-560kc), 6 p. m. musical program; 8-9:30, classical concert; 9:30-11, Congress carnival.

WAMD, Minneapolis, Minn. (243.8m-1230kc), 7:15 p. m., classical program; Margaret Hughes Leemhuis, soprano; Sandy Ecklund, tenor; James Harper, violinist; 10, Gould Banjo club; 11, frolic, Golden Gate orchestra.

WCOA, Pensacola, Fla. (222m-1350kc), 7-10 p. m., Mrs. Benn's Young Ladies chorus; Dr. C. J. Heinberg, violinist; Mrs. Gray Bell, vocalist.

WHAS, Louisville, Ky. (299.8m-750kc), 7:30-9 p. m., Sylvia trio.

WHB, Kansas City, Mo. (365.6m-820kc), 7-8 p. m., vocal solos; 10:30-11:30, midweek Radio feature.

WOAI, San Antonio, Tex. (394.5m-760kc), 8:30 p. m., Army night program.

WOS, Jefferson City, Mo. (440.9m-680kc), 8:30 p. m., Missouri Hill Billies.

WSB, Atlanta, Ga. (428.3m-700kc), 10:45 p. m., concert.

WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., dinner concert, Andrew Jackson hotel trio; 8, Helene Sonnenfield, mezzo-soprano; Mrs. Sallie Mae Tyree John, Lyssadean Hunt, pianists; 10, Exchange club quartet.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-7:30 p. m., Grebe Synchrophase string ensemble; 7:30-8, Nick Harris detective story; 8-9, program, California Petroleum corporation; 9-10, vocal program; 10-11, Charles Beauchamp, tenor and others.

KFWB, Hollywood, Calif. (252m-1190kc), 6-7 p. m., Pontiac Six dinner hour; 7:30-8, program, Corduroy Tire Stores, Inc.; 8-9, studio program; 9-10, program, Pacific Development company; 10-11, Warner Brothers frolic.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-9, concert; 9-10, vocal and instrumental concert.

EX-BOOTLEG STATION IS SOLD FOR $10,000

SEATTLE, Wash.—An unusual deal was comsummated recently at Seattle when the Station KTCL was sold to the Northwest Radio Service Co., operators of KJR. The big 1,000-watt station was sold for $10,000 cash, but was recently appraised at $85,000. It is said it cost $30,000 to build in addition to time and expert labor expended by noted electricians.

KTCL once operated under the letters KFQX. It was over its microphone that Aunt Vivian's bedtime stories went and then turned out to be alleged rum runner's signals and code messages. The station was confiscated by the government, and later, had its call changed to KTCL and was operated as a commercial station. Both stations will continue in Seattle.

Radio Applications Make German Hounds Act Queer

BERLIN.—Some extremely interesting observations on the reaction of dogs to Radio have been made by Mrs. Isa Nairz, the wife of a German Radio entertainer.

In her experiments she used a loud speaker because she found that even specially constructed ear phones annoy dogs intensely, and they spend their whole time trying to shake and scrape the contrivances off instead of listening. In some cases, indeed, the animals thus fitted actually shook with fear.

The first tests were made with sheep dogs and Griffens. The broadcasting of other canine yelps made them answer with joyful and yearning yowls, but the hearing of cats meowing and roosters crowing filled them with an intense indignation which voiced itself in furious barking.

During the recent broadcasting of the noises made by various kinds of wild animals from the Berlin zoological gardens, the tests were continued. The growls of lions and bears, which were unknown to the dogs, obtained no reactions from them at all. But when they heard through the loud speaker the well-known voice of their master, Herr Nairz, they showed every sign of puzzled recognition, rushed up barking and sniffling to the loud speaker, and then rushed enquiringly through the house hunting for their master.

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"BIG RABBIT"

(Continued from page 9)

rappin by pantomine informing the crowd he would return when called. Then, waddling to the throne chair, the terrapin backed to it, appeared to try to sit down, and while the crowd rocked with laugher at the comedy, stood, drawing his head into the shell, then poking it out.

It dawned upon my mind that Borton was playing for time, playing upon the child-like minds of the mob, to give us a chance to escape. The crowd sated with deeper emotions, appeared eager for more comedy.

I moved quickly, determined to reach the rear of the stage or the path in order to aid when the chief actors in the weird pantomine emerged.

Borton had commenced to talk. He summoned Major Tonneson before him—asked him whether he was prepared for trial, and waved him to depart from the stage—a moment later he appeared to examine Miss Tonneson and waved her away, then Tillie. The stage was empty save for the chief actor when I reached the path and Borton was haranguing them, promising them Jedge Terrapin would try the prisoners.

I reached the path in safety and ran along it, circling through the clearing toward the rear of the stage. Hurrying toward me were two figures and springing toward them I stretched out a hand—and felt fur—Tillie screamed as I touched her rabbit garb, and the girl with her stepped between us, as if to protect her companion.

"It is I—Hurry! We must escape!" I said hoarsely.

"Tek us away, tek us away," Tillie pleaded.

I SEIZED their arms and hurried them through the clearing to the path along the swamp. As I dragged them into the heavier shadows we could hear the voice of Borton still haranguing the crowd.

"Who are you?" whispered Miss Tonneson. "I thought it was you—who played the turtle."

"I'm Lindsey—Borton is acting the turtle," I replied, thrilling because, in spite of her question, she had known me. "We must hurry."

I half dragged them along the path. A hundred yards further Miss Tonneson tripped and fell, uttering a little scream and, lifting her in my arms, with Tillie clutching my clothing, I raced. The girl, after the first instant of protest, made no move, save to place her arms around my neck to aid me in carrying her.

A hundred yards further, in the blackness of the path, out of range of the lights from the clearing, I was breathless and put her down.

"Can you run?" I asked. "Hold to me and try to do it."

"Yes," she said, grasping an arm, "I knew you would come."

Not another word was spoken during that desperate flight through the black woods. I dared not strike a light. Tillie was recovering her courage and a hundred yards further along, was running at my side even trying to aid.

I knew we must reach the boat, for at any instant now the crowd might realize a trick had been played and commence a search. I was determined to place the girls in the boat, then scout back to see whether I could aid Borton. Roberta, her little hand now clutched tightly in mine, was striving to hasten. Panting, almost exhausted, I dragged them on over the rough path. Twice, fearing we had lost the way, I struck matches—then we hurried on, fearful that the instant of light might have betrayed us.

"ONLY a minute more," I pleaded as the girls gave signs of exhaustion—and, a few hundred steps further along I saw the glint of moonlight through some chink of foliage, shining on the black waters of the river.

With a final effort I dragged them out of the path, we slid down the side of the muddy hummock, and half fell, panting and exhausted into the boat screened behind the mass of Spanish bayonet.

For perhaps two minutes we lay there, while I regained breath and all that time Roberta's little hand rested trustingly in mine, her fingers pressing hard as if to gain reassurance. It was she who spoke first:

"I was sure you would come," she repeated.

"We followed—as fast as we could," I said, lost for words, eloquent with emotions.

"Lie still and wait. I must go back," I said.

Frightened and unstrung by suffering, as they were, neither protested.

I crept over the hummock and regained the path, leaving those two women alone in the heart of a beastly wilderness. Hastening my steps to a run I started back toward the clearing.

Scarcely had I gone two hundred yards before I heard something approaching, and stepped hastily out of the path. Two figures appeared. As they passed one ripped out a threatening oath, and I recognized Danforth's voice.

"Dan," I called softly.

He stopped and the figure ahead of him also stopped. I sprang toward them.

"I got him," said Danforth, grimly, as I spoke again.

The figure ahead of him was Trimble, his rabbit gard sadly torn and disarranged and he was obeying Danforth's orders with alacrity. As I came nearer I saw the reason. Danforth's big automatic was pressed against his back.

"Help me fix him," said Danforth, handing me a pair of handcuffs. "Did you get the girl?"

"YES—they're safe in the boat. Where's Borton?" I queried as I snapped the handcuffs.

"Still holding the crowd," he said. "We must hurry."

A few minutes later a handkerchief was knotted securely gagging the negro who, but a short time before, had thought himself king and, handcuffed and tied, we rolled him into the boat and forced him under a seat as unfeelingly as if he had been a sack of meal.

The girls, huddled together, stared through the darkness while we worked.

"Let's get Borton," said Danforth decisively. "Miss Tonneson," he added, "take this gun and blow his head off if he tries to kick loose before we return."

We climbed over the hummock again and reached the path.

"Where is the major?" I asked in low tones.

"Dead," he replied shortly. "I was too late. Trimble got past me. I followed him to keep him from warning the crowd. The major came off the stage and met him. He slashed him with his cane. The negro knifed him. The charge will be murder, instead of theft of timber."

"The major is better off," he added shortly after we had run a small distance.

For the moment the shock of the news of Major Gaskill's death scarcely was felt by me. I had little sympathy for the financial adventurer and never had known him in his more charming and prosperous days. Then I remembered his relationship to Miss Tonneson.

"Poor little girl," I muttered.

"Let's move faster," Danforth suggested.

We trotted along. The glow from the clearing became plainer. We had reached the place where the paths divided and where, earlier in the evening, which seemed years before, we had separated from Borton when a frenzied uproar filled the swamp. A savage howl of rage and disappointment arose ahead.

"THEY'VE found him out," Danforth said, briefly.

An instant later a second explosion of sound arose, followed by shots and then sounds of a chase.

"He's running," Danforth yelled. "They are moving toward the river, but not on this path. Back to the boat; they may cut us off."

Over trees and logs, through Spanish bayonets which tore our clothes and flesh we made a rapid retreat, crawled under the barrier of bushes and cacti to the boat. Danforth, untying the rope, waded deep in mud and water, shoving her out from the hidden inlet into open water as I reached the engine.

"Don't start her yet," he said, "we must pull clear first. The noise will bring them swarming."

(Continued on next page)

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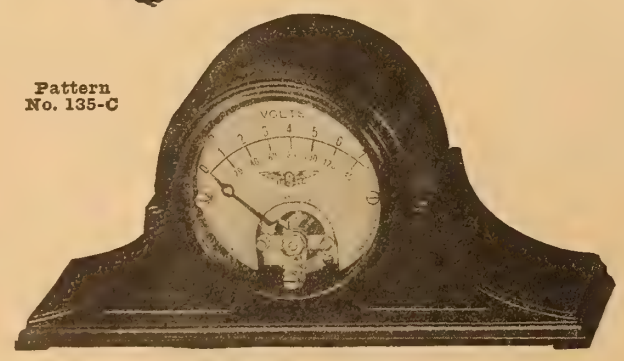

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15 Lambdin Kay, "Little Colonel" of WSB
16 Leo Fitzpatrick, "Merry Old Chief," WJR
17 Henry Field, 1925 Gold Cup runner-up
18 Al Carney, organ favorite at WHT
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"BIG RABBIT"

(Continued from page 28)

We dragged the boat along by clutching overhanging branches. A shout, which seemed to come from the river bank a few yards behind the boat, voiced the discovery.

"They've heard us— They're coming," Danforth said aloud: "Miss Tonneson, please hand me that shot gun."

We could hear pursuers crashing through underbrush and calling to each other through the swamp. Some plunged into the swamp or river in their headlong pursuit, splashing and crying for help. I had leaped to the motor and was turning the wheel desperately almost as soon as Danforth had called his warnng. The motor coughed several times hollowly, exploded rapidly, driving the boat in a wide arc, spat, missed, and scarcely fifty feet from the starting point, and in open water, stopped dead.

"Get her going. They're coming," Danforth said evenly. "You girls crouch low. They may start shooting if they see us."

He was crouched behind the hood, the sawed off shot gun, heavily loaded with buck shot, held ready for action.

Tugging, perspiring, I toiled at the wheel, turning it frantically striving to catch the lost spark. The negroes were coming closer. They had poured along the path to the river's edge and the light of pine torches showed at half a dozen places through the heavy growths, looking as if the swamp-forest suddenly had become alive with huge fireflies. They were crashing along unseen paths near the edge of the river, and evidently racing for hidden row boats.

SOMEONE fired a revolver twice from somewhere on the land and the bullets whined past and splashed in the river.

"Crouch lower," Danforth urged in low tones to the women. "They don't see us. They are firing at the sound."

Again and again I spun the wheel. Twice explosions raised my hopes but the engine refused to run. Perhaps in my haste I had flooded it with gasoline.

Somewhere, away in the blackness we heard a boat launched and men springing into it. Sweat ran into my eyes. I dashed it away with a hand soaked in oil and gasoline and bloody with fresh-ripped blisters.

I gave a mighty tug at the wheel. Two quick explosions came, it missed fire, caught again, and then the steady beat of regular explosions sounded like a sweet symphony to us all.

Dan raised the shot gun and sent two loads of buck crashing through the overhanging trees along the river edge, and seized the wheel.

Yells of rage, a scream of pain followed, and we heard someone floundering in the dark river. The Jason was gaining speed and racing for a curve in the river as I flashed on the headlight.

Straight ahead of us, driving out from under overhanging trees, was a rowboat filled with negroes. The white glare of light across the dark river silhouetted them clearly before us.

Three men were standing, blinded by the sudden illumination, while two pulled at the oars. One, shielding his eyes from the glare with an arm, bent toward the bottom of the boat and, as we raced down upon them he straightened up, a gun in his hand.

Danforth, when the boat shot out from the trees, had changed the course of the racing Jason, and we were headed to clear the row boat by ten feet. As the negro straightened up, gun in hand, the little detective, shouting a warning, hurled the wheel over, aimed directly at the boat and, as the negro lifted the gun to fire, he saw the peril and screamed in terror.

Before the echoes of the scream died the Jason struck the rowboat. Her sharp prow caught the frail vessel amidships. There was a momentary glimpse of black arms clutching wildly at her sleek sides, the Jason reared and leaped like a horse over a hurdle—splashed heavily upon the water, careened, righted and raced on.

Cries for help, cries of terror arose from the dark water behind us. An instant later we flashed around the bend in the river, safe from pursuit.

For nearly half a mile we continued the wild flight until all sounds of the chase were left behind. I throttled down the engine and, without a word, Danforth steered a wide circle.

"Shut off the headlight," he said, when the dangerous turning movement in the narrow channel was accomplished.

"We've got to go back for Borton," I said. "We can't leave him."

"That's why I turned," said the little detective, calmly. "They were chasing him toward the river. Evidently he made it—for there were no shouts of discovery."

"He probably swam the river and is waiting hidden on the other side," Danforth said. "We'll muffle that motor as much as possible and keep close in to the west bank. They won't be expecting us back, and if they try to reach us, put on speed."

Muffling the motor as much as possible we slipped back toward the scene of the strange drama. There were lights at intervals along the edge, but the negroes appeared to have abandoned the chase.

What became of Borton? Were the negroes entirely dispersed? Did Trimble escape? You will be interested in reading the thrilling conclusion of this remarkable story of Big Rabbit by Hugh Fullerton. It will appear in the July first issue of Radio Digest.

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WRR SECOND STATION

(Continued from page 6)

oratory from sending stations. This all being true, WRR was crowded out of the air. Its obsolete equipment could not be replaced. Therefore the station was closed down by the government in April of last year.

On May 1, 1925, after the government had ordered the station closed down, Mr. W. J. Reid, a Radio fan, called on the police and fire commissioner, Mr. Turley and asked if there was any chance of getting WRR back on the air again. The commissioner advised Mr. Reid that the city did not have any funds to purchase new equipment or to support a first class station. He said that it could not be done unless funds could be raised by private subscriptions. Mr. Reid suggested that Mr. Turley call a conference of Radio fans to discuss ways and means to revive the station. This Mr. Turley did.

The enthusiasts gathered at the city hall one morning and wondered whom to make chairman. While they were discussing the matter Mr. James E. Forrest, president of the Central Bithulithis company came along. He was at once made chairman. The fans went to work earnestly and in less than ten days a petition containing more than 5,000 names was filed with Police Commissioner Turley asking him to revive the old station.

The city began the funds by giving ten thousand dollars to the station. This amount was about one-third the amount needed to put WRR on the air. The Radio committee went out and collected funds to complete the necessary amount. Several business concerns donated to the station. Soon the amount of ten thousand dollars was raised to purchase equipment for the station.

An ordinance creating a Radio commission of eight persons to have control of the operation of WRR was passed on by the city. The commission consists of J. E. Forrest, chairman; W. J. Reid, secretary; Louis Turley, Simon Linz, A. J. Balcom, M. L. Buckner, H. B. Beeler, and E. J. Keist. This commission, created by a special city ordinance, is said to be the only one of its kind in existence.

The set is of 500-watts capacity and the wave length is 246 meters. It is located in Fair Park, where towers and office equipment was furnished by the Magnolia Petroleum company. This station is viewed by thousands of people visiting Dallas during the fair. Mr. D. V Wilson is supervisor of the Radio plant in Fair Park.

A ten thousand dollar studio on the parlor floor of the Adolphus hotel was furnished by the hotel company. The studio is one of the most elaborate in this section. The walls are sound proof. A concert grand piano is installed in the studio.

Mr. John Thorwald, the announcer, is a talented baritone, who has been singing in Dallas for several years. His voice is especially adapted to Radio work. Mr. Thorwald is a native Texan but he has spent a large part of his life out of Texas.

He was with the twenty-second Omaha detachment entertaining squad during the World war. While in the front lines he was severely gassed. After returning home he had to spend a year in the mountains to recover his health. Mr. Thorwald has studied voice in several of the leading American schools.

With enough power to reach every section of the nation the plant was in readiness on the evening of October 10, 1925. The opening of the new plant has been heralded in the leading Radio magazines of the nation, and as a result it is believed that people from the gulf coast to the Canadian border were eagerly awaiting the return of old WRR.

It is hardly an exaggeration to say that WRR carries the voice of the "City of Achievement" into at least twenty million homes and we trust they will continue on and on to hear that voice.

PICTURES EYES OF AIR

(Continued from page 4)

Marcella, "assistant" Twilight Story Man.

New Orleans, good old New Orleans, beloved metropolis of the South for one century and more than a quarter of another, is a city of tradition. Music, gaiety and splendor were never lacking in New Orleans and in this swift, jazzy age New Orleans sets the pace as brilliantly as ever. Dancing along in her syncopating van is the famous Owls Orchestra of the Roosevelt hotel. They are men and therefore a little more vain of their personal appearance as they have paused for the moment for you to give them the once-over with your "eyes of Radio." Men should do that—they always need all the personal pulchritude they can summon for the purposes of a picture. Being Owls, these gentlemen of the midnight syncopators are wise; they are showing you their smiles and how they look between numbers at the studio.

With girls it is different. They have a wonderful grace of line and symmetry as you may see by studying the Six Musical Misses, lower right hand corner (page 4). As the press agent says, "every Miss is a hit." You can well believe that now that you actually see them. Take the lady at the drums and imagine a man in that position. He would be spurting perspiration and his collar would be climbing over his ears while she is the soul of music personified. Then take Miss Lilly Marphis with the cornet—sylph and grace from the tip of her tiny black slipper to the curve of her crown. A man playing? His cheeks would be distended, his elbows up and there would be sharp, grotesque angles in every direction. This is the only girls' orchestra in the Crescent City but it plays for an audience that reaches to Canada and to the ships thousands of miles at sea.

Thus you see, through these eyes, the pictures, the faces, the personalities of the artists who talk to you, sing to you, and play to you through the medium of Radio whether you be in a wilderness or a palace of luxury.

WOK and WBCN Join C. B. A.

CHICAGO.—WOK, Neutrowound station, and Station WBCN, of the Southtown Economist, have been accepted to membership in the Chicago broadcasters association, according to an announcement by Jack Nelson of WJJD.

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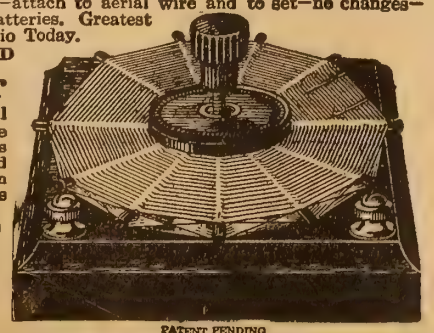

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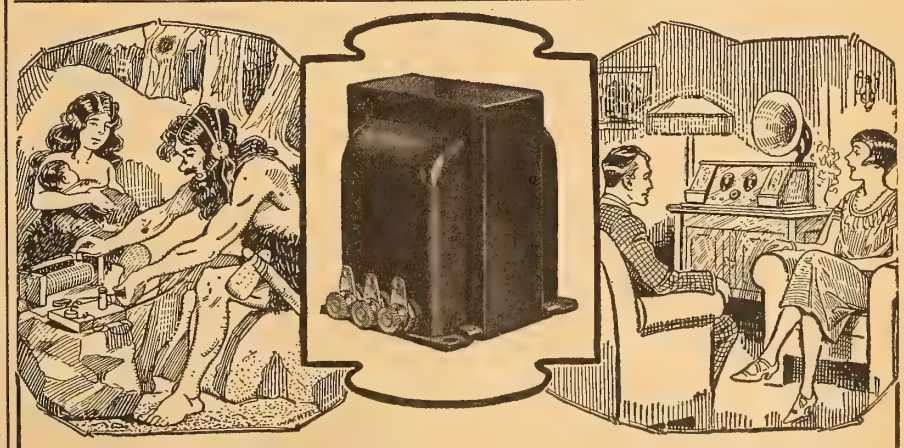

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MISCELLANEOUS

Photos of Your Favorite Radio Stars. Ten cents and coupon appearing on another page of this issue will entitle you to one of the photos from Radio Digest gallery of stars. Radio Digest, 510 North Dearborn Street, Chicago.

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Closing out all of my Radio stock. 200-ohm potentiometer with sliver knob and dial, 10 cents; Howard rheostats 6½, 6¾ or 25-ohm, 75 cents; Filkostats, 50 cents; set eight lettered binding posts, 25 cents; variable condensers with dial and vernier, 13-plate, $1; 23-plate, $1.50; 4-inch black dials, 3—50 cents; 3-inch, 3—35 cents. Bronsteins Pharmacy, 4600 Lincoln Ave., Chicago.

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Brand new Idea! Flag that station! With the Wadsworth Radio Reception Record, specially designed map, framed (13x19 in.) to hang near Radio. Put log on flag; flag in Record. Thirty flags—three colors. Something to be proud of. $1.50 postpaid. Canada, $2.00. Order from nearest office: Radio Specialties Co., 1820 Curtis St., Denver, Colo. 117 No. Broadway, Los Angeles, Calif.

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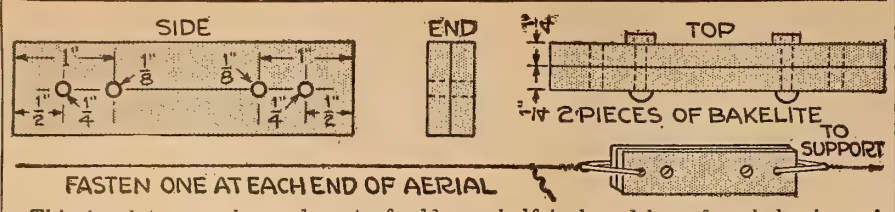
A Paying Position Open to representative of character. Take orders shoes-hosiery direct to wearer. Good income. Permanent. Write now. Tanners Shoe Mfg. Co., 6-707 C St., Boston, Mass.

SCRAPS MAKE AERIAL INSULATORS



This insulator can be made out of odd scraps of bakelite that you probably have lying around. Cut one piece 3 inches long and 1 inch wide and then make three more just like it. These four pieces make two insulators, one for each end of the wire. Measure in from each end, one inch and one-half inch and bore four holes in each piece. Put 6-32 machine screws through the holes one inch in and put on hex nuts. The remaining two holes are for antenna wire and support wire respectively.—Frank Falvo, 2 Blanck's Way, Pittsburgh, Pennsylvania.

S-O-S PORTABLE SUPER

(Continued from page 10)

reen 5 connect to terminals 53 and 54 of Carter loop jack, while remaining terminals 62 and 63 of Victoreen 5 connect to antenna and ground posts, respectively, upon the face of the panel. Connect terminal 42 of the Carter potentiometer C to 20 of socket 4, and 36 of rheostat D to 28 of socket 4.

K.—Connect F of Victoreen 4 to 23 of socket 7, and 14 of socket 6 to P of Thordarson transformer T-1. Connect 14 of socket 6 to one terminal of the .001 mfd. Aerovox condenser. Connect remaining terminal of this condenser to + post of 4½-volt C battery.

L.—Connect 7 of socket 7 to G of transformer T-1 and 15 of socket 7 to P of transformer T-2. Likewise connect 8 of socket 8 to G of transformer T-2. Connect 16 of socket 8 to 59 of the Carter output jack (this is the terminal making connection with the frame of the jack). Connect 58 to positive or B+ terminal of T-2.

M.—A three foot length of wire is now connected to 23 of socket 7. This wire will form the connection to the plus or positive A battery. Another three foot length is connected to 56 of the Carter output jack to serve as negative or minus A battery lead.

N.—Connect terminal 57 to 41 of rheostat E and at this point attach the wire to the + terminal of the C battery. Next connect —F filament posts of both transformers, T-1 and T-2, together and to the — terminal of the C battery.

Battery Connections

This completes the wiring. Check back to see that all is correct. The A batteries are now to be connected, using 3 of the National Carbon No. 7111 type. Connect them in series (as shown in figure 9 on page 9 of the first June issue). These batteries are to be placed in the upper right (upper left if looking in the back), compartment of the portable case.

Next connect the four National Carbon No. 764 B batteries. They also are to be connected in series and placed in the upper left compartment of the case. The — or negative side of this B battery should be connected to the — or negative side of the A battery, while the other end or 90-volt tap of the B battery should be connected to B+ terminal of transformer T-2. A lead to the 45-volt B battery tap should be connected to B+ post of transformer T-1. The negative A battery lead, which is connected to 56 of the Carter output jack, is now connected to the negative terminal of the A battery, while the positive A battery lead, which is connected to 23 of socket 7, is connected to the positive terminal of the A battery.

Insert the tubes and grid leaks, connect antenna, and the receiver is ready for operation by plugging in the loud speaker. Please understand that the wiring of the output jack is arranged to act as a filament control. The receiver will not work therefore until a plug is inserted in jack. Those builders who desire to employ the loud speaker horn shown at the center of the cabinet need only fasten a head phone or small phonograph attachment type of receiver to the rear opening of this horn, and from each terminal of this receiver run wires to terminals 58 and 59 of the output jack. This arrangement permits the portable speaker to be used by inserting a dummy plug in the output jack, or the portable and an outside speaker in parallel if an auxiliary speaker is connected to the plug.

Should one desire to use only the auxiliary speaker, the connections outlined for the portable speaker may be ignored.

The completed receiver is now ready for tryout by connecting the aerial and ground to their respective posts upon the front panel. Tuning is accomplished in the usual manner with the exception that the potentiometer control will need to be varied carefully in order to determine its best setting.

Changes for Loop Aerial

No mention has been made for the use of a loop, although the binding post between the aerial and ground posts is installed for builders desiring loop reception. The ingenious set maker can wind a loop in one of the case's two covers, or a small folding center tapped loop can be carried. For loop reception the Hammarlund midget condenser is mounted on the front panel just to the right of the loop jack and the following changes in the wiring are made in order that either loop or aerial and ground may be used:

The wire connecting one side of the "pick-up coil" of the oscillator to the wave length tuning condenser is removed. Now connect the center binding post on front panel (used for the center tap of the loop) to pick-up coil of the oscillator. A connection is now made from the rotor plates of the wave length tuning condenser to stator of the midget Hammarlund condenser, and rotor of this small condenser is connected to the P or plate terminal of the first detector socket. This socket is connected to the input transformer. Slight adjustments of this condenser will have to be made, but once adjusted it will seldom require further attention. Its use with a center tapped loop will make the receiver more selective although it is advisable when using a portable to ignore the use of a loop, as a short length of insulated wire thrown over a nearby tree limb will be found an ample energy collector and saves the trouble of carrying a loop.

A word about tuning is added. Refer back to the graph (page 10) of the Amsco condensers in passing through the tuning range. If the builder will also use it for noting the wave lengths of stations he receives, in a short time an ideal tuning chart will be had. In addendum the writer wishes to remark that many builders are prompted oftentimes to use any old make of rheostats or jacks. Carter products are specified and used in this receiver with the assurance that their compact ruggedness and careful manufacture will yield satisfactory operation over a long period.

It is the author's desire to caution those of you who wish also to use the receiver in your home, that in so doing, the battery types specified should be replaced by those types recommended by the National Carbon company for heavy duty service. The types specified in these articles are, of course, ideal for portability, but they are not intended to withstand such long usage as would be encountered in the home, where the heavy drain of many hours per day require special types of larger and heavier batteries.

OLD STATIC'S FUNERAL

(Continued from page 11)

We need not be surprised to hear that the silent members of the west coast have been biding their time and may furnish us with a superior device of some special type. Murmurings of such an event have reached my ears, and I hope to give some very valuable information from California in an early issue.

(The recommendations of an experienced "Ham" Radio man will be disclosed in the article on subantennas which will appear in the issue of Radio Digest on the news stands June 30.—Editor's Note.)

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Radiophone Broadcasting Stations

Corrected Every Issue—Part IV

FIND MISTAKES AND YOU'LL GET DOLLAR

ONE DOLLAR will be paid to the Radio fan reader of Radio Digest submitting the most errors in any one station's listing in the Directory of Radiophone Stations, which appears in six parts, serially continuously on the next to last page. Letters must reach Radio Digest's office not later than one week from date of issue corrected. Readers are not limited to correcting one station, but such corrections must be verified by the stations themselves, and NOT by comparison to other so-called accurate Radio directories or lists. Verifications must accompany corrections. Turn in corrections for as many stations as you can find—if you can find errors! Use separate sheet of paper for each station submitted and place name and address on each sheet. In case of tie, duplicate awards will be made.

United States (Cont'd)

NOTE.—The fourth part of the schedule list appears below. Part five appears next issue.

WLIT, Philadelphia, Pa. 394.5m-760kc. 500 watts. Lit Bros. Announcer, Harry E. Ehrhart. Club, "Morning Glory." Daily ex Sun, 12:02 pm, music; 2, music. Mon, 4:30 pm, 7:30, 8, 10. Tues, 11 am. Wed, Thurs, 4:30 pm. Wed, 7:30 pm, 8, 10, 11. Fri, 7:30 pm, 8:45, 10. Eastern daylight.

WLS, Chicago, Ill. 344.6m-870kc. 5,000 watts. Sears, Roebuck & Co. Slogan, "World's Largest Store." Announcer, Donald F. Malin. Daily ex Sun, 6:30-8 am; Y.M.C.A. 9-2:30, half hour markets; 1-2 pm, farm program; 2:30-3:30 pm, Homemakers' hour; Wed, Fri, 6-12 mid; Sat, 6:30-1 am; Tues, Thurs, 6-8 pm; Sun, 10:50-1 pm, U. of Chicago, Church and concert; 7-9 pm, Little Brown Church. Central daylight.

WLSI, Providence, R. I. 440.9m-680kc. 500 watts. Lincoln Studios, Inc.

WLTS, Chicago, Ill. 258.5m-1160kc. 100 watts. Lane Technical High School. Fri, 1-2 pm. Central daylight.

WLW, Cincinnati, Ohio. 422.3m-710kc. 5,000 watts. The Crosley Radio Corp. Announcer, William Stoess. Daily ex Sun, 10:45 am, 11:55, time; 1:30 pm. Daily ex Sun, Fri, 7, dinner hour; 6:55, markets. Daily ex Sat, Sun, 7:45 am, morning devotions; 8, exercises; 12:15, program; 3, 4, reports. Mon, Tues, 8-10 pm. Wed, Thurs, 10-12 midnight. Sun, 9:30 am, 11, 7:30 pm, 8:30. Central daylight.

WLWL, New York, N. Y. 288.3m-1040kc. 3,500 watts. The Paulist League. Announcer, James F. Cronin. Slogan, "For God and Country." Mon, 8:30 pm; Tues, Wed, 9 pm. Thurs, 8:30 pm. Sun, 8 pm. Eastern daylight.

WMAC, Cazenovia, N. Y. 275.1m-1090kc. 100 watts. C. B. Meredith. Announcer, C. R. Jones. Thurs, Fri, 6:15-7:15 pm. Eastern standard.

WMAF, South Dartmouth, Mass. 440.9m-680kc. 1,000 watts. Round Hills Radio Corp.

WMAK, Buffalo, N. Y. 265.3m-1130kc. 500 watts. Norton Laboratories, Inc. Announcer Kenneth Salisbury. Daily ex Sun, 7:15 pm, news. Tues, Thurs, Sat, 6:15-7:15 pm, dinner music. Mon, Sat, 7:30-11 pm. Wed, 7:30-10 pm. Sun, 10:25 am, church; 7:30 pm, church service. Eastern daylight.

WMAL, Washington, D. C. 212.6m-1410kc. 100 watts M. A. Leese Optical Co.

WMAN, Columbus, Ohio. 277.6m-1080kc. 50 watts. First Baptist church. Announcer, John Bohannan. Sun, 10:30-12 noon, 7:30-9 pm, church services. Eastern.

WMAQ, Chicago, Ill. 447.5m-670kc. 1,000 watts. The Chicago Daily News. Announcer, Roberty Whitney. Daily ex Sun, 12 n, 1:45-2:45 pm, 7-8, 8-10. Central daylight.

WMAY, St. Louis, Mo. 247.8m-1210kc. 100 watts. Kingshighway Presbyterian church. Slogan, "May Every By-Way Hear Kingshighway." Mon, 8 pm. Sun, 11 am, 8 pm. Central.

WMAZ, Macon, Ga. 260.7m-1150kc. 500 watts. Mercer University. Announcer, Carey O. Pickard. Off the air for the summer.

WMBB, Chicago, Ill. 249.9m-1200kc. 500 watts. American Bond & Mortgage Co.-Trianon. Announcer, Col. House. Slogan, "World's Most Beautiful Ballroom." Daily ex Sun, Mon, 7-8 pm, 9-11. Sun, 3-5 pm, 7:45-11. Central daylight.

WMBC, Detroit, Mich. 256.3m-1170kc. 100 watts. Michigan Broadcasting Co. Announcer, Don L. Fox. Mon, Tues, Wed, 10 pm. Sun, Thurs, Fri, 8 pm. Eastern.

WMBF, Miami Beach, Fla. 384.4m-780kc. 500 watts. Fleetwood Hotel. Daily, 7-8 pm, dinner concert; 7:30-9 pm. Eastern.

WMC, Memphis, Tenn. 499.7m-600kc. 500 watts. The Commercial Appeal. Announcer, Francis S. Chamberlin. Slogan, "Station WMC, Memphis." "Down in Dixie." Club, "Midnight Frolic." Daily ex Sun, 9:45 am, 11:30, 2:30 pm, weather, markets, music. Daily ex Sun, Wed, 8:30 pm, program; Tues, Fri, 11 pm, Midnight Frolic. Sun, 11 am, church service. Central.

WMCA, New York, N. Y. 340.7m-880kc. 500 watts. Hotel McAlpin. Announcer, Snedden Weir. Slogan, "Where the White Way Begins." Daily, 6-12 mid-Night. Tues, 11-1 pm. Sun, 11-12:15 pm, 5-11. Eastern daylight.

WMSG, New York, N. Y. 212.6m-1410kc. 500 watts. Madison Square Garden.

WNAB, Boston, Mass. 249.9m-1200kc. 100 watts. The Shepard Stores. Announcer, Ben Hadfield. Daily ex Sun, 3-4 pm. Eastern daylight.

WNAC, Boston, Mass. 280.2m-1070kc. 500 watts. The Shepard Stores. Announcer, John J. Fanning. Daily ex Sun, 10:30-11:30 am, 1-2 pm, 4-5, 6-7:30, 8-10. Sun, 11 am, 1:30-2:30 pm, 6:45-8:30. Eastern daylight.

WNAD, Norman, Okla. 254.8m-1220kc. 500 watts. University of Oklahoma. Announcer, C. E. Bathe. Slogans, "Oklahoma"; "Voice of Sooner Land." Off the air for the summer.

WNAL, Omaha, Nebr. 258.5m-1160kc. 50 watts. Central High School. Announcer, Ronald J. Rockwell. Slogan, "Pioneer Broadcast of Omaha." Fri, Sat, 9-10:30 pm. Central.

WNAT, Philadelphia, Pa. 249.9m-1200kc. 100 watts. Lennig Bros. Co. Announcer, Jess Brinton Young. Slogan, "We Never Are Tired." Wed, 6:50 pm. Sat, 8 pm. Sun, 6:50 pm. Eastern daylight.

WNAX, Yankton, S. D. 243.8m-1230kc. 100 watts. Dakota Radio Apparatus Co. Daily ex Sun, 11:30 am, markets, weather. Mon, Wed, 8 pm, 9. Central.

WNBH, New Bedford, Mass. 247.8m-1210kc. 250 watts. New Bedford Hotel. Announcer, A. J. Lopez. Mon, 6-10 pm. Wed, Fri, 6-7 pm, 8-10. Sun, 11-12:15 pm. Eastern daylight.

WNJ, Newark, N. J. 252m-1190kc. 150 watts. Radio Shop of Newark, Inc. Announcer, W. A. Bingenheimer. Slogan, "The Voice of Newark." Tues, Wed, Fri, Sat, Sun, 6-6:30 pm, 8:30-12 midnight, dance music. Eastern daylight.

WNOX, Knoxville, Tenn. 267.7m-1120kc. 500 watts. Peoples Telephone & Telegraph Co.

WNYC, New York, N. Y. 526m-570kc. 1000 watts. New York Municipal Radio station. Announcer, Albert Goldman. Slogan, "Municipal Broadcasting Station of The City of New York." Tues, Thurs, 7 pm, markets; 7:30 pm, 10:30, police; 7:35, entertainment; 10:30, weather. Mon, Wed, Fri, 6:10 pm, markets. Eastern daylight.

WOAI, San Antonio, Tex. 394.5m-760kc. 2000 watts. Southern Equip. Co. (Evening News-Express), Announcer, J. G. Cummings. Slogan, "The Winter Playground of America, Where the Sunshine Spends the Winter." Daily ex Sun, 10 am, weather reports, news; 12:15 pm, 2:30, 3, 6:15. Tues, Wed, Thurs, Fri, 8:30-9:30 pm. Sun, 11 am, service; 7:30 pm, 9:30. Central.

WOAN, Lawrenceburg, Tenn. 282.8m-1060kc. 500 watts. James D. Vaughan. Announcer, James D. Vaughan. Daily ex Sat, 9-10 pm, concert. Central.

WOAW, Omaha, Neb. 526m-570kc. 1000 watts. Woodmen of the World. Announcer, Lester Palmer. Slogan, "Where the West Is at the Best." Daily ex Sun, 8:15 am, 8:55, 10:30, 12:30 pm, 1:45, 4, markets. Daily ex Sun, Sat, 12:45 pm. Daily ex Sun, Wed, 6-7:30, 9-11. Sat, 11-12 midnight, organ. Sun, 9-10:45 am, 1:30 pm, 2:30-4 pm, 6, 9. Central.

WOAX, Trenton, N. J. 239.9m-1250kc. 500 watts. F. J. Wolff. Slogan, "Trenton Makes; the World Takes." Daily ex Sun, 12:15-12:30 pm, 6-7. Tues, 8:30-10 pm. Fri, 8:30-10 pm, music. Sun, 9:30-11 pm. Eastern.

WOC, Davenport, Iowa. 483.6m-620kc. 5,000 watts. The Palmer School of Chiropractic. Slogan, "Where the West Begins and in the State Where the Tall Corn Grows." Daily ex Sat, Sun, 12:15 pm, weather, Radio farm school; 12:57, time; 1 pm, closing markets; 3, home hour; 5:45, chimes; 6, baseball. Tues, 6-8 pm, New York program; 8-9. Wed, 4-4:45 pm; 6-6:30 9-10. Thursday, 6-9 pm. Fri, 4-5 pm; 5:30-, 8-9:30. Sat, 12:55 pm, 1, 5:45, 6, 9-10. Sun, 1-2:30 pm, 6:30-7 pm, church; 10-11:30. Central.

WOCL, Jamestown, N. Y. 275.1m-1090kc. 15 watts. Jamestown Furniture Market Assn. Announcer, W. A. McCutcheon. Slogan, "We're on Chautauqua Lake." Mon, 9-9:15, 9:15-12 midnight. Sun, 10:30 am, 7:30-9. Eastern.

WODA, Paterson, N. J. 223.7m-1340kc. 500 watts. O'Dea Temple of Music. Slogan, "A Voice from the Silk City." Daily ex Sun, 12-1 pm; 5-7, 8:30-11. Eastern daylight.

WOI, Ames, Iowa. 270.1m 1110kc. 750 watts. Iowa State College. Announcer, A. G. Woolfries. Daily ex Sun, 9:30 am, weather reports; 10:30, 12:30 pm, chimes, market, weather, educational talks; 9:30, weather. Tues, Thurs, 10:30 am, homemakers hour. Mon, Thurs, 7:30 pm. Sun, 10:45-11 am; 11-12. Central.

WOK, Homewood, Ill. 217.3m-1380kc. 5,000 watts. Neutrowound Radio Mfg. Co. Announcer, George W. Allen. Daily ex Sun, Mon, 4:30-7 pm; 10-1:30, Sun, 1-2 am, 6-1 am. Central daylight.

WOKO, New York, N. Y. 232.4m-1290kc. 50 watts. The Dyckman Radio Shop. Announcer, Oscar H. Sherrane. Mon, Thurs, Sat, 8-12 pm; Sun, 11-12:30 pm; 7:30-10. Eastern daylight.

WOO, Philadelphia, Pa. 508.2m-590kc. 500 watts. John Wanamaker; Announcer, Jos. N. Nassau. Daily ex Sun, 11 am, organ recital; 12:55, time; 12-1 pm, concert; 4:30, weather; 4:45, organ recital; 7:30, police reports; 10:55, time; 10:02, weather. Mon, Wed, Fri, 7:30-11 pm, music, concert. Sun, 2:30 pm, Sunday school; 6, organ recital; alternate am and pm services, 9:15, alternate Sundays. Eastern daylight.

WOOD, Grand Rapids, Mich. 241.8m-1240kc. 1,000 watts. Hotel Rowe. Announcer, Maurice Wetzel. Slogan, "The Furniture Capital of America." Daily ex Sun, 11 am, weather. Mon, 9-12 mid. Tues, Wed, Fri, Sat, 9-11 pm. Central daylight.

WOQ, Kansas City, Mo. 277.6m-1080kc. 1,000 watts. Unity School of Christianity. Tues, 8-9 pm. Thurs, 7-7:45 pm, 7:45-9, Sat, 8-9 pm, 10-11 pm. Sun, 11 am, 7-9:15 pm. Central.

WOR, Newark, N. J. 405.2m-740kc. 500 watts. L. Bamberger & Co. Announcer, J. M. Barnett. Daily ex Sun, 6:45, 2:30-4 pm. Mon, Wed, Sat, 6:15-12 midnight. Tues, Thurs, Fri, 6:15-7:30 pm. Eastern daylight.

WORD, Batavia, Ill. 275.1m-1090kc. 5,000 watts. Peoples Pulpit association. Announcer, B. M. Rice Slogan, "Watchtower Station WORD." Tues, Wed, Fri, 7-8 pm; 9-10, 11-12. Thurs, 8-10 pm. Sat, 7-8 pm, 9-10. Sun, 2:30-4 pm, 7-8, 9-10:30. Central daylight.

WOS, Jefferson City, Mo. 440.9m-680kc. 500 watts. Missouri State Marketing Bureau. Slogan, "Watch Our State." Daily ex Sun, first 15 min. of every hour from 9 am-2 pm, markets; 7, N. Y. stock and bond markets. Mon, Wed, Fri, 8-10 pm, concert. Sun, 9:30-10:30 am, services; 5 pm, vesper; 7:30-9, church service. Central.

WOWL, New Orleans, La. 270.1m-1110kc. 10 watts. Owl Battery company. Slogan, "Where Owl Batteries Are Made."

WOWO, Fort Wayne, Ind. 227m-1320kc. 500 watts. Main Auto Supply Co. Off the air for the summer.

WPAK, Fargo, N. D. 275.1m-1090kc. 100 watts. N. D. Agricultural College. Announcer, Gordon Laing. Mon, Wed, Fri, 7:30 pm. Central.

WPCC, Chicago, Ill. 258.5m-1160kc. 500 watts. North Shore Congregational church. Announcer, Frances H. Frederickson. Wed, 7-8 pm. Fri, 7:30-9 pm. Sun, 11-12:30 pm; 3:30-6, 8, service. Central daylight.

WPDQ, Buffalo, N. Y. 205.4m-1460kc. Hiram L. Turner.

WPG, Atlantic City, N. J. 299.8m-1000kc. 500 watts. Municipality of Atlantic City. Slogan, "World's Playgrounds." Mon, Tues, Fri, 7 pm. Tues, Thurs, Fri, Sat, 9 pm; 10, classics. Mon, 8 pm, Thurs, 11 pm. Sat, 6:30 pm, concert; 10, Sun, 3:15 pm, organ; 4:15, service; 10, service. Eastern daylight.

WPRC, Harrisburg, Pa. 215.7m-1390kc. 100 watts. Wilson Printing & Radio Co. Wed, 9-11 pm. Eastern daylight.

WPSC, State College, Pa. 260.7m-1150kc. 500 watts. Pa. State College. Slogan: "The Voice of the Nittany Lion."

WQAA, Parkesburg, Pa. 220.4m-1360kc. 500 watts. Horace A. Beale, Jr. Temporarily discontinued.

WQAC, Amarillo, Tex. 231.2m-1280kc. 100 watts. Gish Radio Service. Daily ex Sun, 10 am, 12 n, 7 pm. Sun, 11 am. Central.

WQAE, Springfield, Vt. 245.8m-1220kc. 50 watts. Moore Radio News Station. Announcer, Ernest S. Newell. Slogan, "The Pioneer Broadcasting Station of Vermont." Sat, 11-1 am. Sun, 10:30 am, church service; 7 pm, service. Eastern.

WQAM, Miami, Fla. 263m-1140kc. 100 watts. Electrical Equip. Co. Announcer, Frederick W. Mizer. Slogan, "The Most Southern Radiocasting Station in U. S." Mon, Wed, Fri, 6:45-8:15 pm. Eastern.

WQAN, Scranton, Pa. 249.9m-1200kc. 100 watts. Scranton Times. Announcer, T. V. Nealon. Slogan, "The Voice of the Anthracite." Daily ex Sun, 12:30-1 pm, 4:30-5, news, reports, sports, music. Tues, Fri, 8 pm, entertainment. Sat, 11-12 midnight, dance music. Eastern.

WQAO, New York, N. Y. 361.2m-830kc. 500 watts. Calvary Baptist church. Announcer, Wade Kirnsey. Slogan: "The First Church Owned and Operated Broadcasting Station in the World." Wed, 8 pm, church service. Sun, 11:30 am, 3 pm, 7:30, church services. Eastern daylight.

WQJ, Chicago, Ill. 447.5m-670kc. 500 watts. Calumet Baking Powder company-Rainbo Gardens. Announcer, Jerry Sullivan. Daily ex Sun, 1:45-2:45 pm, woman's hour. Daily ex Sun, Mon, 7-8 pm, 10-2 am. Sat, 11-12 m, 3-4 pm, 7-8, 10-3. Mon, 11-12 m, 3-4. Sun, 9:30 am, service; 3-4 pm, 8-10. Central daylight.

WRAF, La Porte, Ind. 223.7m-1340kc. 100 watts. Radio Club, Inc. Announcer, Charles Middleton. Slogan, "The Voice of the Maple City." Mon, Thurs, 8:30 pm. Sun, 10:45 am, service; 7:30 pm. Central.

WRAK, Escanaba, Mich. 256.3m-1170kc. 100 watts. Economy Light Company. Announcer, H. E. Flath. Slogan, "The Gateway to Cloverland." Mon, Fri, 8:30 pm. Eastern.

WRAM, Galesburg, Ill. 243.8m-1230kc. 100 watts. Lombard College. Mon, 7-11 pm. Central.

WRAV, Yellow Springs, Ohio. 263m-1140kc. 100 watts. Antioch College. Announcer, Charles Hoffman. Wed, 8 pm, music; 9, educational. Sun, 7 pm. Central.

WRAW, Reading, Pa. 238m-1260kc. 10 watts. Avenue Radio & Elec. Shop. Slogan, "The Schuylkill Valley Echo." Announcer, C. M. Chafey. Tues, 9-11 pm. Thurs, 10-12. Eastern.

WRAX, Gloucester City, N. J. 267.7m-1120kc. 500 watts. Flexon's Garage. Announcer, A. D. Flexon.

WRBC, Valparaiso, Ind. 277.6m-1080kc. 500 watts. Immanuel Lutheran church. Announcer, Forrest Jones. Slogan, "World Redeemed by Christ." Mon, 7:30 pm. Sun, 7:30 pm, church service. Central.

WRC, Washington, D. C. 468.5m-640kc. 1000 watts. Radio Corp. of America. Announcer, Edward B. Husing. Slogan, "The Voice of the Capitol." Mon, Wed, Fri, 10 am-6:30 pm. Tues, Thurs, Sat, 10 am-12, midnight. Eastern.

WRCO, Raleigh, N. C. 252m-1190kc. 100 watts. Wynne Radio Co. Sun, 10:45 am; 1 pm. Eastern.

WREC, Coldwater, Miss. 254.1m-1180kc. 10 watts. Wooten's Radio & Elec. Co. Announcer, S. D. Wooten. Slogan, "The Most Powerful 10-Watt Station in the World." Sat, 9:30-10:30 pm; Sun, 4-5 pm. Central.

WREO, Lansing, Mich. 285.5m-1050kc. 500 watts. Reo Motor Car Co. Announcer, Roy E. Davis. Slogan, "Watch Reo." Daily ex Sun, 6-7 pm, dinner concert. Tues, Thurs, 8:15-10 pm. Sat, 10-12 midnight. Sun, 10 am, chimes; 10:30 am, 7:30 pm, church. Eastern.

WRHF, Washington. D. C. 256.3m-1170kc. Washington Radio Hospital fund.

WRHM, Minneapolis, Minn. 252m-1190kc. 50 watts. Rosedale Hospital, Inc. Announcer, Troy S. Miller. Tues, 11 pm. Wed, 9-11 pm, music. Sun, 9:30 am. 2:30 pm, 9:30, 11. Central.

WRK, Hamilton, Ohio. 270.1m-1110kc. 200 watts. Doron Bros. Elec. Co. Slogan, "The Oldest Station in Existence." Sun, 10:15 am, church services. Central.

WRM, Urbana, Ill. 272.6m-1100kc. 500 watts. Univ. of Ill. Tues, 7-8 pm, musical. Sun, 4 pm, organ. Central.

WRMU, New York, N. Y. 236 meters. 100 watts. A. H. Grebe & Co., Inc. Motor Yacht "MU-1."

WRNY, New York, N. Y. 258.5m-1050kc. 500 watts. Experimenter Pub. Co. Daily ex Sun, 12 noon, 1:30 pm, 6:59-11. Sun, 1-2 am, 3 pm, 4, 8. Eastern daylight.

WRR, Dallas, Texas. 245.8m-1220kc. 500 watts. City of Dallas. Announcer, John Thorwald. Slogan, "City of Achievements." Daily ex Sun, Wed, 12-1 pm; 5-5:30, 6-7, 8-9. Mon, 11-12 midnight. Fri, 11-12 midnight. Wed, 5-5:30 pm. Thurs, 9:30-10:30 pm. Central.

WRST, Bay Shore, N. Y. 215.7m-1390kc. 250 watts. Radiotel Mfg. Co., Inc. Slogan, "Radiotel on the Sunrise Trail." Daily ex Sun, 12-1 pm; 7-11. Sun, 10-12 m, 8-11. Eastern.

WRVA, Richmond, Va. 256.3m-1170kc. 1,000 watts. Larus & Bro. Co., Inc. Announcer, Elmer G. Hoelzle. Slogan, "Carry Me Back to Ole Virginny." Mon, Wed, Thurs, 8-11 pm. Tues, 11-1 am. Fri, 7-11 pm. Eastern.

WRW, Tarrytown, N. Y. 272.6m-1100kc. 500 watts. Tarrytown Radio Research Laboratory. Announcer, Frederick Koenig. Slogan, "Westchester County's Broadcasting Station." Daily ex Sun, Wed, 9-11:30 pm. Mon, 7-8 pm. Wed, 10-11:30 pm. Sun, 8-9 pm, 10:30-11:30. Eastern.

WSAI, Cincinnati, Ohio. 325.9m-920kc. 5,000 watts. United States Playing Card Co. Announcer, P. A. Greene. Mon, 10-12 m. Tues, 5:30-10; 12-1. Wed, 7:30-12 midnight. Thurs, 6:30-10 pm. Sat, 7-10 pm; 12-1:30. Sun, 3-4:30 pm; 7:45-10:15, 8-10 pm. Central daylight.

WSAJ, Grove City, Pa. 228.9m-1310kc. 250 watts. Grove City College. Horace Montgomery, activities.

WSAN, Allentown, Pa. 228.9m-1310kc. 100 watts. Allentown Call Pub. Co. Announcer, C. Fred Ritter. Tues, Thurs, 8:15 pm. Sat, 8:15 pm, 11:30. Eastern.

WSAR, Fall River, Mass. 254.1m-1180kc. 100 watts. Doughty & Welch Elec. Co., Inc. Announcer, Wm. A. McGrath. Daily ex Sun, 12-1 pm. Mon, Wed, Fri, 5-6 pm. Sun, 10:30-12 m. Eastern.

WSAX, Chicago, Ill. 267.7m-1120kc. 100 watts. Zenith Radio Corp. (Portable).

WSAZ, Pomeroy, Ohio. 243.8m-1230kc. 50 watts. Chase Elec. Shop. Announcer, Glenn E. Chase. Sat, 2 pm Sun, 10:30 am, 3:30 pm. Eastern.

WSB, Atlanta, Ga. 428.3m-700kc. 1,000 watts. Atlanta Journal. Announcer, Lambdin Kay. Slogan, "The Voice of the South." Daily ex Sun, 12-1 pm, music, weather; 2:30, reports; 5, orchestra, 8-9, concert (ex Wed) 10:45-12, concert. Sun, 5-6, 7:30-9:15, church services. Central.

WSBC, Chicago, Ill. 209.7m-1430kc. 1000 watts. World Battery Co. Daily ex Sun, Mon, 6:30-8:30 pm; 10-1. Mon, 5:30-7 pm. Sat, 2-4 am. Sun, 6:30-8:30 pm, 10-1. Central daylight.

WSBF, St. Louis, Mo. 272.6m-1100kc. 250 watts. Stix Baer & Fuller Dry Goods Co. Announcer, Helen G. Hatfield. Daily, 12-12:30 pm, 3-3:30. Mon, Wed, Fri, 7:30-9 pm. Wed, 11-1 am. Thurs, 10-12 midnight. Sun, 9-10 pm. Central.

WSBT, South Bend, Ind. 275.1m-1090kc. 500 watts. South Bend Tribune. Announcer, C. G. Livengood. Mon, Wed, Fri, 7-9:30 pm, concert. Central.

WSDA, New York, N. Y. 263m-1140kc. 250 watts. City Temple. Thurs, 7:45-9:30 pm. Sat, 10:45-1 pm. Sun, 7:30-9:30 pm. Eastern.

WSKC, Bay City, Mich. 260.7m-1150kc. 100 watts. World's Star Knitting Co. Announcer, L. M. Nims. Slogan, "Where the Summer Trails Begin." Mon, Wed, 9-11 pm. Sat, 11-2 am. Sun, 11 am. Eastern.

WSM, Nashville, Tenn. 282.8m-1060kc. 1,000 watts. National Life and Accident Insurance Company. Announcer, George Hay. Mon, Wed, Fri, 7-9 pm; 10-11. Tues, 7:45-9 pm. Sat, 7-11 pm. Central.

WSMB, New Orleans, La. 319m-940kc. 500 watts. Saenger Theaters, Inc., and The Maison Blanche Co., Daily ex Sun, 12:30-1:30 pm, 3:30-4:30, 6:30-7:30. Mon, Wed, Thurs, Sat, 8:30-10:30 pm. Central.

WSMH, Owosso, Mich. 239.9m-1250kc. 30 watts. Shattuck Music House. Announcer, Don Shattuck. Wed, 8 pm. Sat, 10 pm. Sun, 10 am. Eastern.

WSMK, Dayton, Ohio. 275.1m-1090kc. 500 watts. S. M. Krohn, Jr. Slogan, "The Home of Aviation." Daily ex Sun, Thurs, 12-1 pm, 6-7, 8-10. Sat, 12-3 am. Sun, 10:45-12 n, 7:30-9 pm. Central daylight.

WSOE, Milwaukee, Wis. 245.8m-1220kc. 500 watts. School of Engineering of Milwaukee. Announcer, O. W. Meissner. Slogan, "In the Land of the Sky-blue Waters." Daily ex Sun, Mon, 7 pm; Tues, Wed, Thurs, 2:45 pm, reports. Daily ex Sat, Sun, 5 pm, reports. Sat, 1 pm, markets. Sun, 3:30 pm; 5, 7:30. Central.

WSRO, Hamilton, Ohio. 252m-1190kc. 100 watts. Radio Co. Announcer, Harry W. Fahrlander. Slogan, "We Sell Radio Only." Tues, Fri, 8-10 pm. Sun, 2-4 pm. Central daylight.

WSSH, Boston, Mass. 260.7m-1150kc. 100 watts. Tremont Temple Baptist church. Announcer, Raymond B. Meader. Fri, 7:30-8:30 pm. Sun, 10:30 am; 6:30 pm, church service. Eastern daylight.

WSUI, Iowa City, Iowa. 483.6m-620kc. 500 watts. Univ. of Iowa. Announcer, Carl Menzer. Mon, Tues, Wed, Thurs, Fri, 12:30-1 pm. Mon, 7:30 pm. Wed, 9-9:30 am; 7:30 pm. Alternate Mon, 4 pm. Sat, 7:30 pm. Sun, 9:30-10 pm. Central.

WSVS, Buffalo, N. Y. 218.8m-1370kc. 50 watts. Seneca Vocational School.

WSWS, Chicago, Ill. 275.1m-1090kc. 1,000 watts. S. W. Straus & Co. Daily ex Sun, 11-1 pm. Daily ex Sun, Mon, 6-7 pm, 8-9, 10-11. Tues, Thurs, Sat, 12-1 am. Sun, 11-12:30 pm, 3:30-5, 7-9:30. Central daylight.

WTAB, Fall River, Mass. 265.3m-1130kc. 100 watts. Fall River Daily Herald. Daily ex Sun, Thurs, 6:15 pm. Mon, Thurs, 10:45 am. Tues, 7:30-9 pm. Thurs, 7:30 pm. Sun, 6:15 pm. Eastern daylight.

WTAD, Carthage, Ill. 236.1m-1270kc. 50 watts. Robert E. Compton. Mon, 8-10 pm. Thurs, 9-11 pm. Sun, 2:30 pm. Central.

WTAG, Worcester, Mass. 267.7m-1120kc. 500 watts. Worcester Telegram. Announcer, Chester Gaylord. Slogan, "The Voice from the Heart of the Commonwealth." Daily ex Sun, 10:30-2 pm, music, reports; Mon, Wed, Fri, 7:10 pm. Tues, Thurs, Sat, 5:15 pm, "The Twinkle-Twinkle Story Teller." Daily ex Sat, 8 pm. Eastern daylight.

WTAL, Toledo, Ohio. 252m-1190kc. 100 watts. Toledo Radio & Elec. Co. Announcer, Reginald Baxter. Slogan, "The Gateway to the Sea." Daily ex Sun, 7:30 pm. Eastern.

WTAM, Cleveland, Ohio. 389.4m-770kc. 3,500 watts. Willard Storage Battery Co. Announcer, A. R. Herske. Slogan: The Voice from the Storage Battery." Daily ex Sun, 12:15-1:30 pm, 6-7 pm, dinner program. Mon, 8-1 am, concert. Wed. 8-1 am. Sat, 8-12 midnight, dance. Eastern.

WTAP, Cambridge, Ill. 241.8m-1240kc. 100 watts. Cambridge Radio & Elec. Co. Announcer, B. Talbot.

WTAQ, Eau Claire, Wis. 254.1m-1180kc. 100 watts. C. S. Van Gorden. Announcer, Mrs. C. S. Van Gorden. Slogan: "The Voice of the Wilderness." Daily ex Sun, 10:30 am, 12:15 pm, 6:15, weather, markets; 6:30, code. Tues, 8 pm. Fri, Sun, 7:30 pm. Central.

WTAR, Norfolk, Va. 260.7m-1150kc. 100 watts. Reliance Electric Co. Announcer, J. K. Bohannon. Slogan, "Down in Old Virginia." Daily ex Sun, 6:30 pm, weather, markets, news. Tues, 8-9 pm, music. Eastern.

WTAW, College Station, Tex. 270.1m-1110kc. 500 watts. Agricultural and Mechanical College of Texas. Wed, Fri, 8 pm. Sun, 11 am. Central.

WTAX, Streator, Ill. 230.6m-1300kc. 50 watts. Williams Hardware Co., Radio Division. Announcer, N. B. Williams. Slogan: "Tappa Kegga Nails." Tues, 7-8 pm. Thurs, 8-12 mid. Sat, 8:30-10 pm. Central.

WTAZ, Lambertville, N. J. 260.7m-1150kc. 15 watts. Thomas J. McGuire. Mon, 8-10 pm, music. Eastern.

WTIC, Hartford, Conn. 475.9m-630kc. 500 watts. The Travelers Insurance Company. Slogan, "The Insurance City." Mon, 11 am, 12 n, 5:30-11 pm. Wed, 5:30-9 pm. Thurs, 5:30-6:30 pm. Fri, 11 am, 12 n, 5:30-11 pm. Sat, 5:30-10:30 pm. Eastern.

WWAD, Philadelphia, Pa. 249.9m-1200kc. 250 watts. Wright & Wright, Inc. Announcer, H. W. Feyhl. Slogan, "Penn City Station." Mon, 7:45 pm. Thurs, 7 pm. Every other Sun, 9:30 pm. Eastern.

WWAE, Plainfield, Ill. 241.8m-1240kc. 5,000 watts. Electric Park. Announcer, Joe Allabough. Daily ex Sun, 12:30-1:30 pm; 9-12, midnight, orchestra. Sun, 10:50-12:15 pm, Methodist church; 3:30-4:30, popular program. Central daylight.

WWAO, Houghton, Mich. 263m-1140kc. 250 watts. Michigan College of Mines.

WWI, Dearborn, Mich. 265.3m-1130kc. 500 watts. Ford Motor Co. Temporarily off the air.

WWJ, Detroit, Mich. 352.7m-850kc. 1,000 watts. The Detroit News. Announcer, E. L. Tyson. Mon, Wed, Fri, 7:30-8 am, 8-8:30 am, setting-up exercises; 9:30-9:45, household hints; 10:25-10:30, weather; 11:55-12, time; 12:05-12:45 pm, music; 3-3:55, music; 3:55, markets. Daily ex Sat, Sun, 6-7, dinner concert; 8, music. Mon, Wed, Fri, 9 pm, orchestra. Wed, 10 pm, orchestra. Sun, 11 am, church service; 2-3 pm, concert; 6:20, Capitol theater; 8:15, operatic stars. Eastern.

WWL, New Orleans, La. 275.1m-1090kc. 100 watts. Loyola Univ. Announcer, O. L. Abell. Sat, 7:30-8:30 pm. Central.

Canada

CFAC, Calgary, Alta. Can. 434.5m-690kc. 500 watts. Calgary Herald. Announcer, Fred Carleton. Daily ex Sun, 1 pm, news, markets, music; 1:15. Mon, 9-10 pm. Wed, 4 pm. Thurs, 7 pm; 9-11, CNR. Fri, 7-8 pm. Sat, 1 pm. Mountain.

CFCA, Toronto, Ont., Can. 356.9m-840kc. 500 watts. Toronto Star. Announcer, E. J. Bowers. Daily ex Sun, 12 noon, weather, news, stocks; 5:30-6:10 pm, news. Wed, 8-10 pm, music, 11, dance. Thurs, 8-12, concert. Fri, 6:30-12 mid, CNRT. Sun, 11 am, 7 pm, church services. Eastern.

CFCF, Montreal, P. Q., Can. 410.7m-730kc. 1,650 watts. Canadian Marconi Co. Announcer, C. Walter Darling. Daily ex Sun, 12:45-1:40 pm, stocks, music, Mon, Fri, 7-7:30 pm, bedtime stories; 7:30-8:30, music; 9-10, 10:30-11:30, orchestra. Wed, 7-8 pm, orchestra. Eastern.

CFCH, Iroquois Falls, Ont., Can. 499.7m-600kc. 250 watts. Abitibi Power & Paper Co., Ltd. Slogan, "The Call of the North." Experimental station for forest protection.

CFCK, Edmonton, Alta., Can. 516.9m-580kc. 100 watts. Radio Supply Co., Ltd. Daily ex Sun, 4-5 pm. Wed, 9-10:30 pm. Sun, 4-5:30 pm. Mountain.

CFCN, Calgary, Alta., Can. 434.5m-690kc. 1,800 watts. W. W. Grant, Ltd. Slogan, "Voice of the Prairies." Tues, 11:30 pm, Bronco Busters; Wed, 9 pm, Fri, Sat, 10 pm, Sun, (alternate) 11 am, 7:30 pm, service. Mountain.

CFCQ, Vancouver, B. C. 410.7m-730kc. 10 watts. Sprott-Shaw Radio Co.

CFCT, Victoria, B. C., Can. 329.5m-910kc. 500 watts. The Deaville Station. Slogan, "The Mecca of Tourists." Wed, Fri, 8-9:30 pm. Every second Thurs, 10:30 pm, 12 mid. Night Birds, Sat, 10-11 pm. Sun, 11 am, 3 pm, 7:30. 9:30, organ. Pacific.

CFCU, Hamilton, Ont., Can. 340.7m-880kc. 500 watts. Jack V. Elliot, Ltd.

CFCY, Charlottetown, P. E. I. 312.3m-960kc. 50 watts. Island Radio Co.

CFDC, Vancouver, B. C., Can. 410.7m-730kc. 10 watts. Western Auto Elec. Co.

CFKC, Thorold, Ont., Can. 247.8m-1210kc. 75 watts. D. J. Fendell. Daily ex Sun, 12-12:30 pm; 5-6. Tues, Thurs, Sat, 8:30-10:30 pm. Sun, 11 am, church service; 2-4 pm, 8 pm, sacred concert, music.

CFMC, Kingston, Ont., Can. 267.7m-1120kc. 20 watts. Monarch Battery Co.

CFQC, Saskatoon, Sask., Can. 329.5m-910kc. 500 watts. The Electric Shop, Ltd. Announcer, Grant Stevenson. Slogan, "The Hub City of the West Where No. 1 Northern Hard Wheat Grows." Daily ex Sun, 9-10 am; 1:15-2 pm, markets, reports, music. Wed, 8-10 pm. Fri, 9-11:30 pm, dance program. Sun, 11 am, 7 pm, church service. Mountain.

CFRC, Kingston, Ont., Can. 267.7m-1120kc. 500 watts. Queen's University. Discontinued temporarily.

CFXC, New Westminster, B. C. 291.1m-1030kc. 50 watts. Westminster Trust Co. and Hume & Rumble, Ltd. Announcer, C. P. Rumble. Slogan, "Voice of the Fraser River." Mon, Wed, Sat, 7:30-8:30 pm. Pacific.

CFCY, Barnaby, B. C. 410.7m-730kc. 500 watts. Commercial Radio, Ltd. Slogan, "Canada's Flourishing Young City." Sun, 11 am, 7 pm. Atlantic.

CHCS, Hamilton, Ont., Can. 340.7m-880kc. 10 watts. Hamilton Spectator. Announcer, H. Earnshaw. Daily ex Sun, 6:45 pm, news, markets, baseball. Sat, 10-12 midnight, dance. Sun, 11 am, 7 pm. Eastern.

(The above listings complete the stations in the United States and part of the foreign broadcasters. Part V consists of a complete location index of stations and the remainder of the foreign list. This appears next issue.)

CROSLEY

On June 8 and 9, the Fourth Annual Convention of the Crosley Distributors was held in Cincinnati.

Powel Crosley, Jr., announced the most startling line of radio receiving sets in the history of the industry.

Every radio dealer is urged to get the story from his nearest Crosley distributor immediately.

RADIO

Better-Costs Less

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New B Eliminator; "Sure-Fire Stuff"

Radio Digest

TWICE A MONTH

FIFTEEN CENTS

FIRST JULY N

Vol. XVII No. 8

Conclusion of Hugh Fullerton's "Big Rabbit"; New Broadcasting Cruiser, Grebe's WRMU; Anthology of WSM, Nashville; How WGHP Was Started; Latest Gold Cup Standings

No. 10 OFFICIAL BALLOT

Announcers' Contest

RADIO DIGEST THIRD ANNUAL GOLD CUP AWARD

GOLD CUP AWARD Editor, Radio Digest,
510 North Dearborn Street, Chicago, Ill.

Please credit this ballot to:

.....of Station.....
(Announcer's Name) (Call Letters)

Signed.....

Address.....

City..... State.....

7-1-26

STUDY OUR COVER GIRL—THEN GUESS

DID you take a psychoanalytical observation of the face on the Radio Digest cover this issue? Before you read any further do so and guess the color of her hair.

We call your attention to the calm, well-poised expression. Cover one half of the face with your hand, then study the other half. One is the twinkling taunt of a mischievous elf, the other is the classical serenity of Minerva.

And the crown of glory over all—did you guess it? Well, it's red gold. She was picked for the part of Hazel Stanton in the Radio Digest's famous mystery play, "A Step On the Stairs," at the Denver station of General Electric and her name is Miss Dorothy Reynolds. She has done many other noteworthy things at this mile-high broadcaster and is well known to all KOA listeners.

ARNOUX TOPS MAY IN SPECTACULAR CLIMB

VOICE OF HOT SPRINGS UPSETS GOLD CUP "DOPE"

Gaylord of WTAG Also Gives Thrill—Pat Barnes Holds His Own—Canada Is Dormant

Crashing up from eleventh place and upsetting the "dope bucket" by polling almost ten times as many votes as he had previously been credited with, G. C. Arnoux, announcer and director of KTHS, the New Arlington hotel station at Hot Springs, Ark., clinched first place this issue in the 1926 Gold Cup Award competition for world's most popular announcer. In so doing he took the lead away from Earl E. May who has occupied top position this year since actual standings have been published.

In the last previous standing, Mr. Arnoux had gained seven places by arriving at eleventh from eighteenth in order. The tremendous support being given the new leader by listeners all over the country indicates that he is one of the most popular and strongest contenders for the 1926 Gold Cup Award.

Gaylord of WTAG Gains

Almost as spectacular a rise as that of Mr. Arnoux is shown this issue for Chester Gaylord, announcer for WTAG, the Worcester (Mass.) Star-Telegram broadcaster. This easterner rose from sixteenth to sixth place by adding more than 10,000 votes to his total.

Other contestants for the most part added to their count but maintained the same order as previously, that is, allowing for their being nosed down several places by the radical jumps of Arnoux and Gaylord. On the other hand some few candidates even increased their advantage despite the forced downward movement.

Pat Barnes, of WHT, kept fourth place by topping A. S. Kyne, of KMMJ, who had gone above him last issue. Jerry Sullivan, of WQJ, gained two notches from nineteenth to seventeenth. John T. Schilling of WHB, came from obscurity to eighteenth in line. Paul Johnson, of Gold Medal WCCO, E. L. Tyson, of WWJ, and Sen Kaney, of KYW, each gained one place apiece.

Standing of Leading Twenty-Five

The present standing of the first twenty-five candidates is given below. The figure in parentheses following the name and station of certain announcers, indicates their order in the standing last issue if they were in the first twenty-five:

1. G. C. Arnoux, KTHS (11).....22,423
2. Earl E. May, KMA (1)..... ...19,514
3. N. Brokenshire, WJZ (2).....16,831
4. Pat H. Barnes, WHT (4).....14,456
5. A. S. Kyne, KMMJ (3).....12,753
6. C. Gaylord, WTAG (16).....11,688
7. Henry Field, KFNF (5).....10,916
8. The Hired Hand, WBAP (6).. 7,843
9. Phillips Carlin, WEAF (7).... 5,286
10. Peter MacArthur, WOC (8).. 3,802
11. C. R. Randall, WSMB (10).... 3,427
12. Louis J. Johnen, WLW (9).... 3,329
13. Lester Palmer, WOAW (12).. 2,884
14. Gayle V. Grubb, KFAB (13).. 2,535
15. R. W. Griffin, WHO (14)..... 2,520
16. Lambdin Kay, WSB (15)..... 2,186
17. Jerry Sullivan, WQJ (19)..... 1,683
18. John T. Schilling, WHB..... 1,584
19. Wm. (Bill) Hay, WGN (17).. 1,519
20. Paul Johnson, WCCO (21).... 1,457
21. Edw. B. Husing, WRC (18).... 1,417
22. Harold Isbell, KNX (20)..... 1,402
23. E. L. Tyson, WWJ (24)..... 1,294
24. Sen Kaney, KYW (25)..... 1,135
25. E. Konecky, WOAW (22)..... 1,026

Canadian Silver Cup Standing

Canada is dormant. Standings of the leading five candidates for the 1926 silver cup to be awarded to the most popular Canadian announcer, have not changed in

(Continued on page 27)

To Broadcast Moose Convention

CHICAGO.—Practically all sessions of the Loyal Order of Moose convention will be broadcast by WJJD, the Mooseheart station at Mooseheart, Ill. The convention will be in Chicago from July 1 to 6, and the broadcasting is to be handled through WJJD's Chicago central in the new Palmer House.

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Looking Ahead

Speaking of the Big Pacific Coast Radio Show, did you ever hear the inside story of Major Lawrence Mott and his Radio activities on Catalina Island? Thousands of fans who have written to KFWO have received bags of silver ore taken from the mines near this island broadcasting station. Read it in the next Radio Digest, out July 14.

A Little Weather-Beaten Church in Oakland, California, suddenly found its field of usefulness expanded over a vast area through one of the San Francisco Radio stations. Then came a change of plans and the little church found itself alone with no place to go—such was the beginning of KTAB as told in the mid-July number of Radio Digest.

It Has Been Something of a Task to Unite the Junior Members of the Household into some common interest through the Radio. Big Brother Emery of WEEI, Boston, seems to have discovered the secret with his Big Brother club. Pictures and story in a coming issue of Radio Digest.

Down in "Santone," Texas, the City of the Alamo, the quaint little river and the ancient missions, is the home of Radio Station WOAI. From this station may be heard the distinguished Jose Conrado Tovar and the Gebhardt Mexican players. The story will appear soon.

Fiction Features in Our Next Issue will include the beginning of a new story that will attract wide interest throughout the country. Van Demark's "Sure-Fire Stuff" will introduce Bobby in a new light and you will like Sheila and Johnny better than ever. First installment this issue.

England's Radio Fans Are Ablaze over Sir Oliver Lodge's brand new circuit. What it's all about and why, will be a brand new story in the next issue, out July 14.

"Dos and Don'ts" is the subject of another interesting article by the Technical Editor. These are convenient, short and snappy helps for home repairs on your receiver and its accessories.

Newsstands Don't Always Have One Left

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SHORT WAVES

By Marcella

From the heaps of correspondence WHT dialers have piled upon my desk, it appears that I will have to open the program today with a few numbers dedicated to the personnel of that station. We will first hear a wedding march in honor of Pat and his new bride.

Ta-ta-ta-ta. Yes, he's gone and done it! And the lucky girl was Eleanor Gilmour, who many of you have heard singing from the Wrigley building studio. Now watch his Marcella mail fall off! Brief sketch of Pat: handsome, brown eyes, straight black hair, tall and not too slender, dark sheik type brunette, but a man's man. Weighs 168 pounds, stands 6 feet tall, and is 32 years old. Was overseas in the A. E. F., and made fame in his "A Buck on Leave." Don't think he has ever written any music, "Linne."

And does Pat play around with Al Carney, asks "Betty." Probably so, Betty, as Pat and Al are just as good friends outside as in the studio.

Now a soft organ melody for Al. Our friend, Mr. Carney, is a smiling 195-pound bachelor, 25 years old and just living by himself in a cozy corner. For diversion he loves to drive his car about with both arms.

All right, the next is a tenor solo for Oscar Heather, "Radio's Smiling Tenor." For the benefit of "Anne," "J. M. R.," and others, I'll be very thorough. Oscar, besides having a personality-plus lyric tenor voice, is a tall, broad and heavy bachelor weighing 230 pounds, rising 5 feet 10 inches, and possessing blue eyes, brown hair, fair skin and beautiful teeth. His disposition is sunny, aversion is women, hobby is music and age is 30. Born in Mitchell, South Dakota, and was started in Radio by Morgan L. Eastman of KYW.

You will enjoy the classical piano solo Miss Helen Rauh, WHT's delightful accompanist and Saturday morning juvenile program conductor. Gee, she's dandy! Like her myself. Unruffled, smiling disposition that breaks out like rays of sunshine to meet you. Beautiful dark brown eyes and naturally curly brown hair, 5 feet 2 inches above the floor, 23 years old since she was born at Phoenix, Arizona, 110 pounds light—ah-h-h! Her pet aversions, to quote her, "people who can't be themselves, and dumb women." Her hobbies, sticking her finger in Jean Sargent's ice cream at lunch time, her music, outdoor sports and her fiance. Yes—it's true, but of course, competition still might have a chance.

And next let us have the noon farm report from Edwin Kemp, whose particular hobby this is. Edwin, when not exercising his dramatic tenor voice, is usually wondering what other people think he looks like. The picture, aided in quoted spots by Mr. Kemp's own imagination, is this: Eyes, "dizzy" blue; hair, "dirty" blond; complexion, fair but "hurts like the devil to shave"; weight, 165 pounds; height, 5 feet 8 inches; age, 28; disposition, happy; dislikes egotism, flies and going without meals; likes music, Lillian Knowles, children and other animals. Edwin was born in Louisville, Kentucky, with a southern accent, and while he is still a "happy" bachelor, methinks he is not long to be so.

Before signing off, we must hear last, but not least, from our own Jean Sargent, WHT's Jean, who will address the Women's club. Jean is one of WHT's best bets and most liked staff members. Personality is just what you'd imagine from listening to her; age, now getting less every year; matrimonial condition, unhitched; height, 5 feet 8 inches; weight, "it takes too many pennies," quoth she; hair, silver gray; likes her work first; dislikes snakes; plays bridge excellently; entertains royally, and is one of those few persons you can enjoy listening too by the hour. Incidentally she prefers Chicago to Boston.

It would not be fair to sign off without delivering the message that each and every one of the WHT "gang" (except Pat) gave to nosey Marcella when she sought them out for statistics. "Why talk about us?" they asked. "Tell everybody that Pat Barnes is the best in the world, is nice to work for, and he certainly should win the 1926 Gold Cup for most popular announcer." There—I have done as they asked. Marcella will adjourn to the next studio.

* *

Hah, smiling "Bill" W. G. Hay, the Scoo-ootchman who has been doing the main part of the announcing from WGN and WLIB, has received a deserved promotion to manager of the two stations. But he is still doing most all the announcing. Between his arduous duties he manages to squeeze in a few games of golf, each stroke of which he carefully recounts to me the next time I see him. You ex-KFKX fans surely remember Bill, don't you? At this point, I might as well answer "M. J." who asks about Charles Erbstein. Yes, Charlie is back again on

(Continued on page 14)

COOLIDGE TO BROADCAST JULY 4

PHILHARMONIC WILL OPEN AT WJZ JULY 7

C. B. POPENOE ANNOUNCES SUMMER ARRANGEMENT

To Give Stadium Concerts Wednesdays and Saturdays Over WJZ; Also Saturdays Over WRC

NEW YORK.—The Radio audience will have the opportunity of listening to the Lewissohn stadium concerts of the New York Philharmonic orchestra twice weekly during the coming summer, announces Charles B. Popenoe, manager of Station WJZ. WJZ will broadcast the splendid concert biweekly, on Wednesday and Saturday nights and WRC in Washington will also broadcast them on Saturday nights. Each of the concerts begins at 8:30 p. m. Eastern daylight saving time.

The opening concert will be given on Wednesday night, July 7, and the series will continue throughout the summer until September 1. As in the past few years, the New York Philharmonic orchestra will play at all of the stadium concerts.

An additional feature of the opening concert on July 7, will be an address to be given in the intermission by Adolph Lewissohn, donor of the Lewissohn stadium, who is often referred to as "the Andrew Carnegie of the Musical World,' having given generously of his wealth for the advancement of music in America in much the same way that Carnegie advanced literature through his policy of establishing libraries throughout the land.

Van Hoogstraten Chief Conductor

The chief conductor for the season will be Willem Van Hoogstraten who has led the stadium concerts for the past four years. The guest conductors will be Nikolai Sokoloff, of the Cleveland orchestra; Henry Hadley, associate conductor of the Philharmonic orchestra; and Frederick Stock, conductor of the Chicago Symphony orchestra. Messrs. Sokoloff and Hadley are already well-known to the Radio and stadium audiences; but Mr. Stock's appearance will be his first in the New York summer season.

Mr. Van Hoogstraten will open the season on July 7 and will conduct until July 28, when Mr. Sokoloff will appear until August 3. Henry Hadley will lead the concerts from August 4 until August 10, with Mr. Van Hoogstraten reappearing for the week of August 11. Mr. Stock is to conduct during the week of August 18, and Mr. Van Hoogstraten will conduct the concerts of the final week, beginning August 25.

Listeners to Build Final Concert

As an added feature of the broadcast stadium concerts this year, the Radio audience is to be allowed to select the compositions to be rendered by the Philharmonic in the last Radio concert of the season. As the season nears its close, listeners will be requested to send in the names of the selections which they consider would make an ideal farewell concert, or a selection which they have particularly enjoyed, and from these selections of the Radio audience, the program of the final concert will be compiled.

This announcement by the head of Station WJZ, is a direct refutation of the common assertation that the summer is "dead season" for Radio. In discussing the coming summer, Mr. Popenoe expressed himself of the opinion that this summer will bring to the listening audience bigger and better programs than they have ever before experienced, excelling in most cases even the mid-winter programs of seasons past.

"Hoover Should Not Be Only Head"—Colleges

University Broadcasters Prefer Commission for Radio

UNIVERSITY PL., Nebr.—Broadcasting should not be left entirely in the hands of Secretary of Commerce Hoover, unanimously declare the forty members of the Association of College and University Broadcasting Stations. All members, however, expressed themselves in favor of the general provisions of the White bill, announces J. C. Jensen, secretary, if adequate machinery for a court of appeal is provided to which disputed questions may be referred, with assurance of prompt decisions and minimum expense.

As between establishing a separate Radio commission and referring Radio questions to the interstate commerce commision, the members are almost unanimous in favor of the separate commission.

WJZ "IMPS" RECEIVE IVORY IMP CHARMS

NEW YORK.—Some member of the Radio audience was so favorably impressed with the concerts given by the Imperial Imps from Station WJZ every Wednesday night that he wanted to send them a token. As they all live in separate parts of New York, one gift could not be given to all of them, so he had made four little imps. The charms are about an inch tall, fashioned from real ivory and identical. The four imps are now proudly displaying the gifts on their watch chains.

JULY 4 BANGS WILL BE HEARD ON WAAM

NEWARK, N. J.—Summer broadcasting literally will be inaugurated with a bang when WAAM broadcasts Independence Day fireworks here, direct from the chamber of commerce Fourth of July celebration at the South Orange village center. Several microphones will be placed in advantageous positions for picking up the entire pyrotechnic display with maximum effect. Since the Fourth of July this year falls on Sunday, the celebration will be on July 5 at 8 p. m. Eastern daylight saving time.

CINCINNATI GIRL IS RADIO PLAYER

The charming, intelligent appearance of Miss Helen Nugent is not deceiving. Her ability at interpreting various dramatic roles has been employed to the fullest extent by Crosley Station WLW at Cincinnati. Her last role their was in "Gondoliers," played several weeks ago. She played a leading part in WLW's version of "A Step On the Stairs." Miss Nugent also sings with a pleasing contralto voice.

RADIO SECTION TELLS OF STATION CHANGES

WEW Increases Power—Three Stations Change Hands

WASHINGTON, D. C.—An increase in power, a new station at Vera Cruz, Mexico, and three changes in ownership are announced by the Radio division of the department of commerce.

Station WEW, owned and operated by St. Louis University, at St. Louis, has completed the installation of their new 1000-watt equipment and has been given permission to increase power accordingly.

The new Vera Cruz, Mexico, station has a wave length of 337 meters, power of 50 watts, and call letters CIC.

Ownership of WHBD of Bellefontaine, Ohio, has been changed from Charles W. Howard to the chamber of commerce of that city; ownership of WDBZ at Kingston, N. Y., has been changed from the Ulster County Council of the Boy Scouts of America to the Kingston Radio corporation, and WOKO, of New York city, formerly owned by Otto Baur, has been transferred to H. E. Smith at Peekskill, N. Y.

Friday Night Is Amateurs' Night at Hartford, WTIC

HARTFORD, Conn.—Have you made your Radio debut yet? This is the question which many talented amateur performers are asking each other ever since WTIC inaugurated its amateur tryout period, officially known on the program as "The Debutants."

These contests take place at 9:45 p. m. Eastern time on Friday evenings, and are open to all amateurs. Nor must they necessarily be of any one category, as songs, skits, instrumental renderings, in fact anything that will serve to amuse the Radio audience, is in order.

In case you feel the urge, and have an idea you might perform creditably before the microphone, don't hesitate, but write the WTIC Studios.

SESQUICENTENNIAL TO HEAR PRESIDENT

JULY 4 ADDRESS MAY GO ON ETHER NATION WIDE

Nation's Head Expected to Jam Exposition Grounds—E. A. Davies Is Official Announcer-in-Chief

PHILADELPHIA.—July 4, 1926, means much more than only another Fourth of July, for it marks the 150th anniversary of the signing of the Declaration of Independence. In this city a great sesquicentennial celebration of that event is being held. On July 4, President Coolidge will testify to the importance of the occasion by delivering an address at Municipal stadium, here, to more than a capacity crowd of 100,000 people.

The address will be broadcast through many stations. At the time of going to press the complete chain carrying the president's speech had not been announced. However, it is definite that WIP of Philadelphia, WGBS of New York, and WPG of Atlantic City will carry the address.

In addition it is practically certain that many regular WEAF chain stations will be linked and broadcast the message simultaneously.

E. A. Davies Exposition Announcer

Hundreds of Sesquicentennial exposition events have been and are yet to be enacted and broadcast by the Philadelphia-New York-Atlantic City chain. Several score of national organizations are holding their 1926 conventions in Philadelphia so as to enjoy the exhibitions, pageants and activities of the exposition. The Shrine convention has just closed here. The American Legion will hold its annual gathering here in the fall.

Edward A. Davies, director of WIP, Gimbel Brothers Philadelphia station, is the official announcer-in-chief of the Municipal stadium and exposition grounds events of the Sesquicentennial exposition, and he finds himself a busy man. Mr. Davies enjoys a splendid reputation for having broadcast all the important musical and sport events in the past for WIP. He is well qualified for descriptive announcing and is an accomplished musician. His keen sense of humor and large fund of up-to-date stories make his services much sought after to act as toastmaster at banquets and the like.

HE GUESSED THEY TOO WOULD GUESS

And They Did—WGBF Listeners Determine Sources of Miscellaneous Noises

EVANSVILLE, Ind.—Here's a new one! Of course, they've tried almost everything on the Radio, but maybe not this one. WGBF's program director sat holding his head, despondently attempting to think up a new skit, a new wrinkle that would tickle the ears of the jaded invisible audience.

To those not so well informed, we will inform that WGBF is the broadcaster of the Finke Furniture company here.

As the program director, Harold Finke, cogitated in vain, a crash sounding like the proverbial bull in the legendary china shop, greeted his ears.

"What was that?" he shouted, awakened from his lethargy. Unanswered, he exclaimed, "Ah-hah, I have it! We'll have a noise guessing contest. We'll make all sorts of noises and let the listeners guess what causes them."

So WGBF did. The furniture store being well stocked, it wasn't difficult to make a noise like a man bumping his shins on a footstool, a buffet full of china coasting downstairs, or many other things. Rehearsals—noise rehearsals—were given listeners prior to the event. Prizes were given for the real event. Thousands of letters came from the aforementioned jaded audience.

"It's a weak noise," concluded Mr. Finke, "that doesn't wake somebody up."

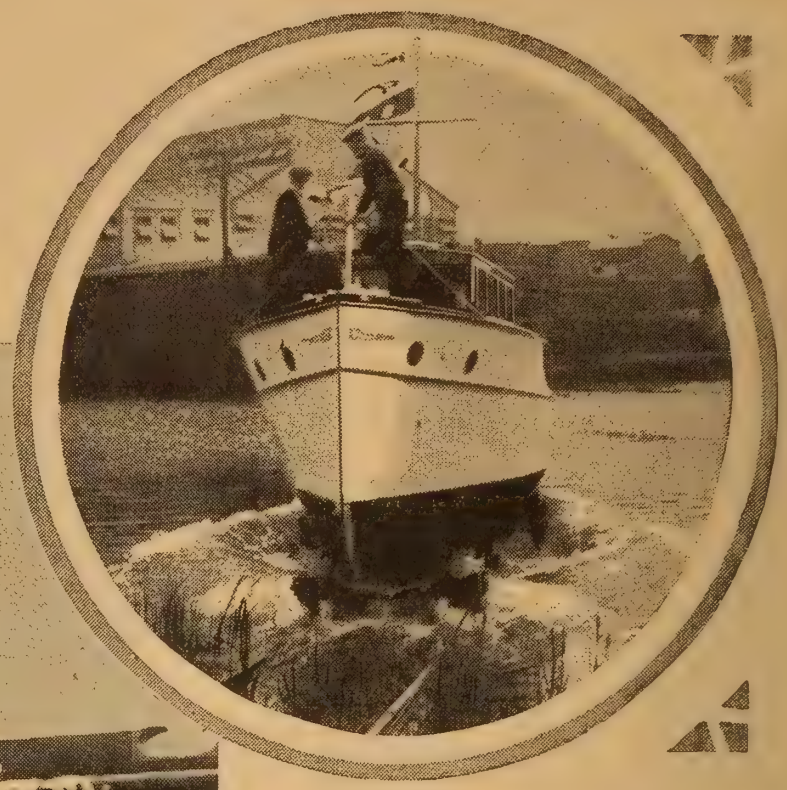
Like WGN Piano Lessons

CHICAGO.—Piano lessons over WGN are becoming quite popular. Hundreds of pupils listen each Friday at 5 p. m. Eastern time for them. Here is the way Edward Barry does it:

An illustrated copy of each lesson is sent to everyone who enrolls in the Radio Class. This the pupil has on the piano before him while he listens. With Mr. Barry in the studio while the lesson is being given is a pupil, who asks questions.

Launch New Broadcast Cruiser

GREBE Station WRMU, Aboard the MU-1, Begins Career as Event in News History. Will Follow Water Sports and Announce Direct and by Relay.



"I christen thee, the MU-1," said four-year-old Ruth Rigney crashing a bottle of champagne over the prow of new Radio cruiser. At left her dad, Douglas Rigney, owner; A. C. F. Kyle and Mrs. Rigney. Lower, Mr. Rigney. Sliding down the ways, in circle.

EACH decade marks a long stride in the efficiency of gathering and disseminating the news. Speed and more speed has been the fleeting goal. Yet in the span of one human life has marched a brilliant pageant of progress from the era of the Pony Express to modern Radio.

The days of the covered wagon are not so remote. Uncle Ezra Meeker heard the news of Abraham Lincoln's election through the medium of the dispatch rider and he obtained the news of the last presidential election from the period of the national convention to the president's inauguration speech over the air as it happened. And Ezra Meeker with his ox cart helped blaze the trail to the Northwest for the railroads!

The parade moved along. On came the telegraph, railway mail, then air mail. Old flat-bed presses were elbowed out of the line by the new high-speed web rotary presses, coupled in multiple units, with a capacity of a million newspapers between daylight and daylight. Motion pictures joined in step bringing to the eyes of the world news of great events with visual reality—in action, life-like; Byrd and his monoplane, Amundsen and Ellsworth on the Norge flying across the Arctic wastes to conquer the North Pole.

Then descending out of the air came the microphone to serve the news. First it relayed the casual news from the editorial rooms of the newspapers. Later it followed the camera into the field of action and conveyed the news as it happened. More recently this has been particularized in sporting events. Escorted by a staff of operators, announcers, engineers and assistants it has taken its position at the race track to convey the sounds of the pattering hoofs on the turf, the throbbing roar of the motor and the whine of spinning wheels at the speedway, the crash of bone and brawn on the sidelines of football fields or the crack of the bat connecting with a baseball at a world's series game.

Somehow it seems that the Radio has adapted itself better to the service of sport news. That is where speed is needed most. Sport gives the reader something to anticipate, a thrill of suspense. Skill meets skill. Champions challenge champions. Who will win? Which is the greatest team? Can this one or that one make good against those others? Always an anxious, waiting moment for the outcome of supreme effort of physical perfection.

With the advent of summer come the water sports—not so easy for the microphone to follow. But now, even that contingency has been conquered. It will not be necessary to string relay wires through the water or post a confusing flank of microphones along a course. We have now the floating broadcaster, the fleet little monitor of a parent station located in the heart of New York City, Station WRMU, aboard the de luxe cabin cruiser MU-1.

Flecked with sparkling foam from the bottle with which it was christened the MU-1 slid down the ways to its historic career just four weeks ago. It was launched at the Jackson & Sharp yard of the American Car & Foundry Co., Wilmington, Delaware. Following is an extract of the formal announcement sent to Radio Digest:

"Ruth Rigney, four-year-old daughter of Douglas Rigney, Treasurer of A. H. Grebe & Company smashed a bottle of champagne on the bow, christening the vessel the 'MU-1'. Instantly the boat slid down the ways proudly into the waters of the Delaware.

"Many Radio fans will be interested to know that in this cabin cruiser is contained the completely equipped marine broadcasting station, WRMU, designed to operate on 63 meters for relay work and on 236 for direct broadcasting. The boat and transmitter have been principally designed to broadcast aquatic sporting events as did the original marine broadcaster last year, also called the MU-1. Many race events for the Radio public were covered, including the Gold Cup Regatta, held under the auspices of the Columbia Yacht club of New York. The Gold Cup races will be repeated this year at Manhasset Bay, Port Washington, Long Island, under the same auspices.

"Other events on the schedule of the MU-1 include the New York-Bear Mountain race on the Hudson River; the New York-Block Island race; the race from Larchmont Yacht club to Glou- (*Continued on page 28*)

Solemn Old Judge Likes South

ANTHOLOGY of Announcers and Artists at Memphis Station. King Writes About Hay and Hay Writes About Keefe. Uncle Dave Macon Shares Limelight, Historic Character of Tennessee.

IT'S the personality before the microphone that gives personality to a Radio station. Fortunate is that station which shines with outstanding personalities. Such a station is WSM of the National Life and Accident Insurance company, at Nashville, Tenn., where George D. Hay, "The Solemn Old Judge," holds court and guides the destinies of the little ether waves summoned before him "for a hearing."

Almost every Radio fan has read or heard something about "Old Judge Hay," but in this anthology of the personalities at WSM we are going to present the gleanings of Mr. George A. King.

* * * *

"A STORY OF THE SOLEMN OLD JUDGE"

By George A. King

GEORGE DEWEY HAY, known to the Radio fans of the country as "The Solemn Old Judge," now director of Radio Station WSM, Nashville, Tennessee, won his way to fame and popularity not only through his original ideas of broadcasting and novel stunts, but because of strict adherence to his Radio slogan, "Never Fail to Broadcast a Smile." Mr. Hay is now living up to his reputation at WSM, where he is guiding genius of the station as well as chief announcer, for "The Solemn Old Judge" still keeps in touch with his large Radio following over the microphone, in addition to directing the activities of WSM.

"It isn't so much what the announcer says into the 'mike'," declares Mr. Hay, "as what he doesn't say, that counts toward popularity." And a host of Radio fans put their seal of approval on this philosophy when, through the Radio Digest popular announcer contest, they voted him the most popular Radio announcer in the world in 1924. "The Solemn Old Judge" is a newspaper man who recognizes the importance of the Radio as a news medium; a humorist who appreciates a joke when it is on himself as well as when it is on the other fellow, and who understands without being cynical that people and their doings are always amusing; a psychologist who knows the importance of putting himself in a position of middleman between the artist and the listeners.

Mr. Hay was born in Attica, Indiana, and spent ten years of his life in the Hoosier town. Before his debut as a Radio announcer he was a newspaper reporter and feature writer on the Memphis Commercial Appeal. He brought every bit of this experience to his Radio work and regards Radio as practically a new kind of newspaper, with a circulation running into the millions. "The announcer must have a nose for news," he says. "Radio is the world's newspaper and the announcers are its reporters."

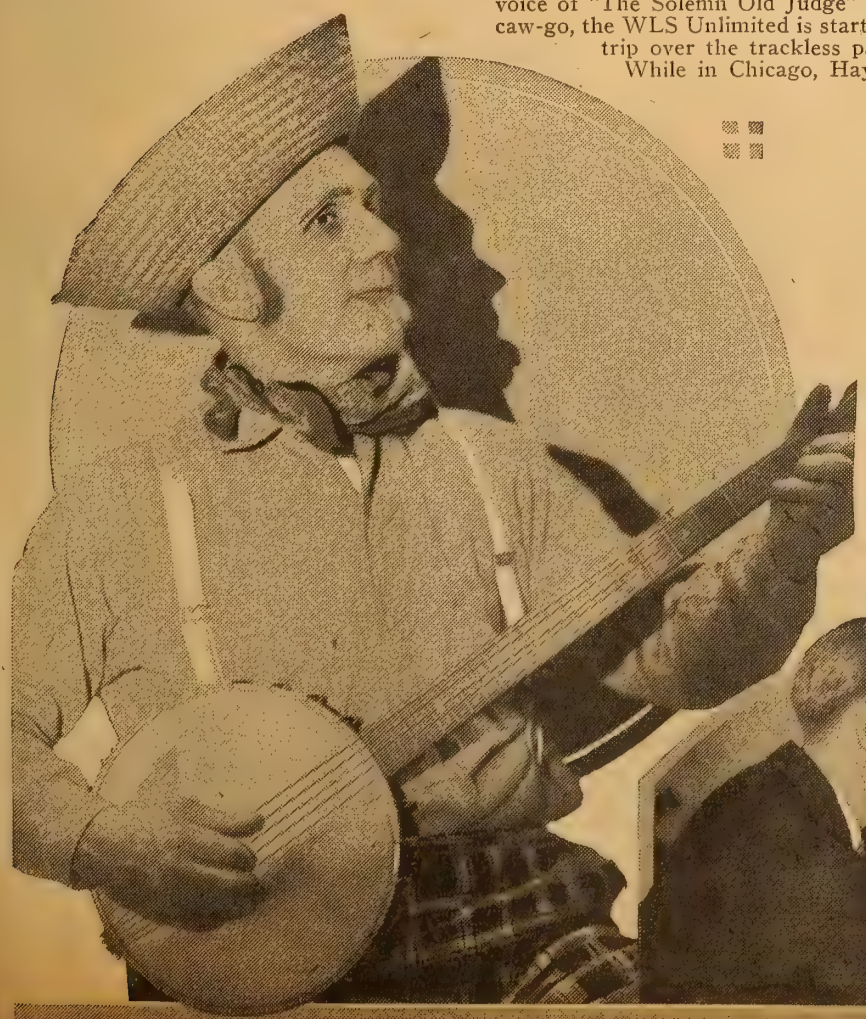
"The Solemn Old Judge" took his first Radio steps as chief announcer for WMC, the Commercial Appeal station, at Memphis, Tennessee. Everybody in the Southland listened in on George Hay when he started down the Mississippi river from WMC with his "Hushpuckiny," a river boat whistle. Within a year both the announcer and the Memphis station were known wherever people talked or listened "via Radio." The "Hushpuckiny" was Hay's original idea and it floated over the Southland like an invisible boat steaming down the inland streams.

When Hay deserted the South for Chicago about two years ago to become chief announcer for WLS there, he left the "Hushpuckiny" in Memphis and started cross country with the locomotive as his Radio vehicle. Radio listeners soon learned that when they tuned in on the long, hoarse whistle of the locomotive they would hear the familiar, cheery voice of "The Solemn Old Judge" in another second; "WLS-Chicaw-go, the WLS Unlimited is starting on its daily transcontinental trip over the trackless paths of the air."

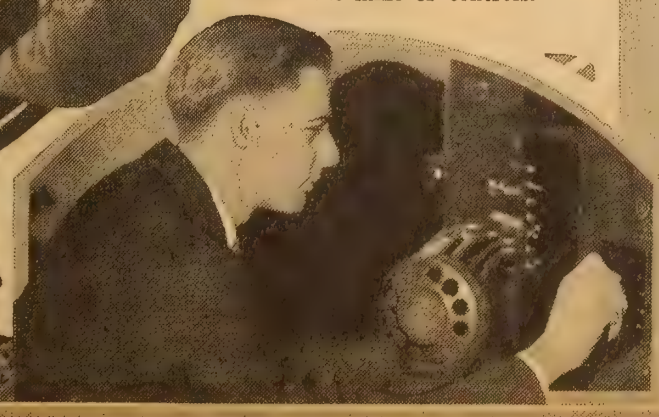
While in Chicago, Hay was the chief cog in a human appeal sent out over Radio following a tornado which cut a swath of death and destruction in Missouri, Illinois, Indiana, Kentucky and Tennessee. "The Solemn Old Judge," with the quick judgment and action acquired through his newspaper training, immediately started to broadcast appeals for financial aid for the victims over WLS. A relief fund was started, and night and day "The Solemn Old Judge" was at the microphone with little

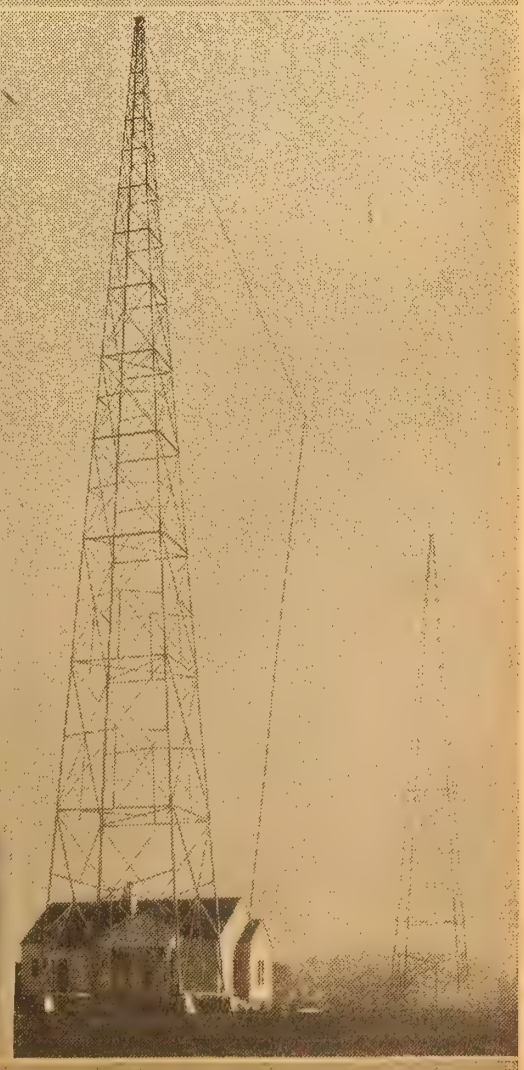
(*Continued on page 28*)

Kindly and "folksy" sorta man is Solemn Old Judge Hay (right), first winner of loving cup. Jack Keefe (below), associate director. WSM station towers at lower right.



"Dixie Dew Drop," is popular name given to Uncle Dave Macon (left) who has plunked his banjo in the ears of millions. Thomas L. Parkes (below), WSM engineer, is equally handy at the mike or controls.





Radio Plays Motor Obbligato

DETROIT, AUTOMOBILE Capital of World, Seeks New Laurels as Broadcasting Center with Station WGHP Leading Way in Adroit System of Air Exploitation.

T. Stanley Perry (left), directs musical features at WGHP. Mr. and Mrs. Eddie McGrath (below), stars in the Wolverine Frolics.

By HAROLD P. BROWN

EVER since Henry Ford quit the farm, moved to town and started in business for himself, Detroit has been bowling along with the pace makers of American cities, getting "bigger and better."

Automobiles and more automobiles has been her motto until now, it would seem, she can justly claim to be the automobile capital of the world. Yet Henry Ford cannot claim all the glory. No single automobile industry could fairly flaunt such a phrase as "the car that made Detroit famous." Detroit is famous for all kinds of cars—from twin-twos to twin-sixes. "Detroit" and "automobiles" are the real twins so far as name identity is fixed in the motoring mind.

Indirectly, out of this association, the Michigan metropolis seems now about to achieve a new kind of fame. The great indoor sport of Radio is weaving a laurel wreath for her brow.

Less than a year ago a keen-minded young man who had already made his mark in the world, literally as well as figuratively speaking, came home from a strenuous day in the office and stretched himself out in a comfortable chair in his house. He observed, rather curiously, against the opposite wall a new object of furniture. It was a new top-notch Radio receiver. He never had taken much interest in Radio because the few that he had heard did not seem to reproduce very satisfactorily. They lacked the true artistic relay of the original sounds.

Rather indifferently he watched a member of the household adjust the dials. Music, sweet and gentle, drifted melodiously into the room. It was a bit of opera from the Detroit Symphony orchestra. George Harrison Phelps sat up abruptly and alert. He was more than surprised. He was positively startled.

"I didn't know Radio was really like that," he observed, still listening. "Why that is real music! I can scarcely believe it. It seems incredible! Why that must be the magic rug and I am actually in the presence of the orchestra! How can it be?"

FROM that moment the man who created and acquainted the world with the unique style of advertising of the Dodge Brothers motor cars was a Radio enthusiast. He hailed it as a triumph in the way of a new vehicle for entering the American home with treasures from the world of art. He saw the practical side of it, too, for he was the head of a great advertising concern bearing his name. Yet he scorned the thought of utilizing Radio to cheapen the works of the masters harnessed irreverently and irrelevantly with petty exploitation.

At last he devised a way and Station WGHP, Detroit, came into being. It was inaugurated last autumn, dedicated to the best that Radio could produce. Its mission would be to convey, unostentatiously, a tribute of appreciation from the united clientele of the George Harrison Phelps, Inc., national advertisers, to patrons and the public in general.

(*Continued on page 26*)

Talented musicians who are capable of playing the best in unison or in solo make up the operatic features and the Little Symphony orchestra. Among the several who have particularly distinguished themselves are the ones whose pictures are seen here: Mildred Carner Johnson (extreme left), contralto; Albertine Schmittke (second), soprano; Leona E. Mitchell (center), soprano; Mme. Gizi Szanto (third), pianist, and William D. Laurie (right), managing director.

Travelers Hear Station R. R.

SCENE: Waiting room of a metropolitan railroad station a few years hence. Broadcasting studio seen through a window from the main waiting room. Loud speakers placed about big room convenient for a thousand or more passengers. Announcer at mike.

"LADIES and gentlemen: While we are waiting for the Pullman boys to get sleepers ready for the Nighthawk Express to Chicago we will listen to a few negro melodies by the George Brothers of Georgia."

Four white jacketed colored men may be seen through the transom taking their position before the microphone. Soon the vast waiting room is resonant with their voices intermingled with strains from banjos and guitars. The singers finish one song and then another. People come in from the street until every seat is filled. The big waiting room is transformed into an auditorium. The announcer steps again to the microphone. His voice is heard from the loud speakers.

"Twenty minutes before the Nighthawk sleepers are ready. I have some very good news. Mr. Tito Curci, the famous tenor of the Metropolitan opera, has just come into the station on his way to Chicago and has consented to sing for you."

The great artist is observed removing his overcoat and a moment later he is heard and his golden voice thrills the audience that now nearly fills the station for it happens that nearly every evening now some celebrity may be depended upon to be heard in this station. Sometimes a program may be heard brought in from a distant broadcasting station.

Is this mere fancy? No, sir, it is not. The idea was conceived some time ago by J. O. Hackenberg, superintendent of the Philadelphia terminal division of the Pennsylvania Railroad. In a modified form it already has been installed in the Broad Street station of that line in Philadelphia.

John R. Harper, an employe of the railroad whose voice had been heard from various of the local broadcasting stations was selected to announce and direct. The expressions of surprise and satisfaction on the part of the waiting passengers seemed to warrant all that had been hoped for. K. D. Pulcipher, editor of the Pennsylvania News, was asked to prepare the following report of the experiment:

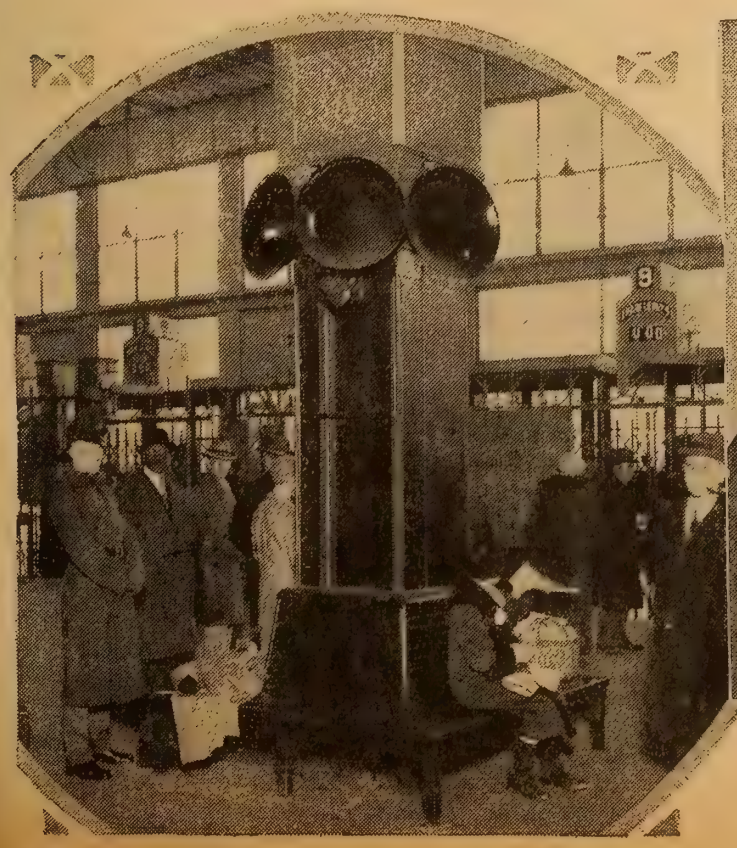
PENNSYLVANIA Lines Install System to Inform and Entertain Passengers in Philadelphia Waiting Room. Broad Service May Follow.

Above may be seen the first "Station R. R." in America with uniformed announcer at microphone located at Broad Street station, Philadelphia. At right is near view of announcer at microphone. Only antenna is missing. Lower pictures show loud speaker arrangement.

By K. D. PULCIPHER

Editor of The Pennsylvania News

A MINIATURE broadcasting system is now being used with marked success for train announcing by the Pennsylvania Railroad in Broad Street station, Philadelphia. An experimental test made several weeks ago, in which temporary equipment was used, clearly demonstrated the advantages of broadcasting train (*Continued on page 30*)



John R. Harper of Penna. Lines, experienced Radio broadcaster, is first "Station R. R." Announcer. He jokes and chats over mike.

SURE-FIRE STUFF

by HARRY VAN DEMARK

IT WAS TOUGH LUCK When an Accident Broke Up the Vaudeville Team of the Dancing Shambaughs. Sheila Had to Carry On Alone, Make a Living and Pay the Doctor Bills for Bobby. Then Johnny Clavering, the Headliner, Saw Her, and Just in Time—. It's a Peppy Romance of Love and Danger Behind the Footlights—This SURE-FIRE STUFF by Harry Van Demark.

JOHNNY CLAVERING paused in the wings as a deafening round of applause came from the auditorium. Appearing in the next-to-closing position at the Palladium, billed as "the world's greatest monologist," Johnny had finished dressing and strolled upstairs some time ahead of his turn as he frequently did. It was the opening matinee of the week, and on such occasions he often watched the other acts from the wings, or through the little square hole in the tormentor.

Out in "one," singing syncopated melodies before a silk drop, was about as charming a bit of femininity as Johnny had ever seen.

"Clever kid, ain't she?" queried the stage electrician. His eyes were glued on the cue sheet, as he gradually adjusted the dimmers, and made the transition from "whites" to "blues," as called for on the light-plot.

"Seems to be," Johnny returned. "Who is she?"

"Some new gal from the West. Name's Sheila Shambaugh. Took the place o' Hindle and Harrington, outa the bill on account o' sickness."

Johnny nodded. "A nifty little hoofer," he observed.

Sheila Shambaugh was small, not in height so much as in extreme slenderness. Her lithe body had all the hard gracefulness of a boy's, with the delicacy of a young girl's fragile bones. She had a head of glorious brown hair, bobbed in the prevailing fashion, and curling close to her neck, and brooding, black, velvet eyes that suggested Latin forebears. Her tilted chin and indeterminate nose matched her curly locks.

Her slender, but graceful limbs, spick and span in black silk tights and dancing pumps, flashed through the concluding number of her routine, as she bowed herself off but a few feet from where Johnny stood.

"That's the way to do it," Johnny called encouragingly. "Take a bow now like a nice little girl."

She nodded toward him unsmilingly, flashing a look of resentment from her somber eyes. She took three bows, waved a dainty hand to the orchestra leader, signifying that she was through, and made her final exit.

"You could 'a' took an encore," growled the electrician. "However, that ain't none o' my affair."

"You're right; it isn't!" she snapped.

"MAYBE you'll be good now, Tom," laughed Johnny.

The girl turned the same unsmiling gaze upon him again.

"I don't know who you are, and I don't care. But I resent flip comment from stage hands and if you don't behave I'll report you to the front of the house."

For an instant Johnny was nonplussed. Then he laughed. "All right, sister, if you think that will do any good," he advised. Then to the electrician: "The younger they come and the greener they are, the more upstage they get—eh, what?" And Johnny walked away.

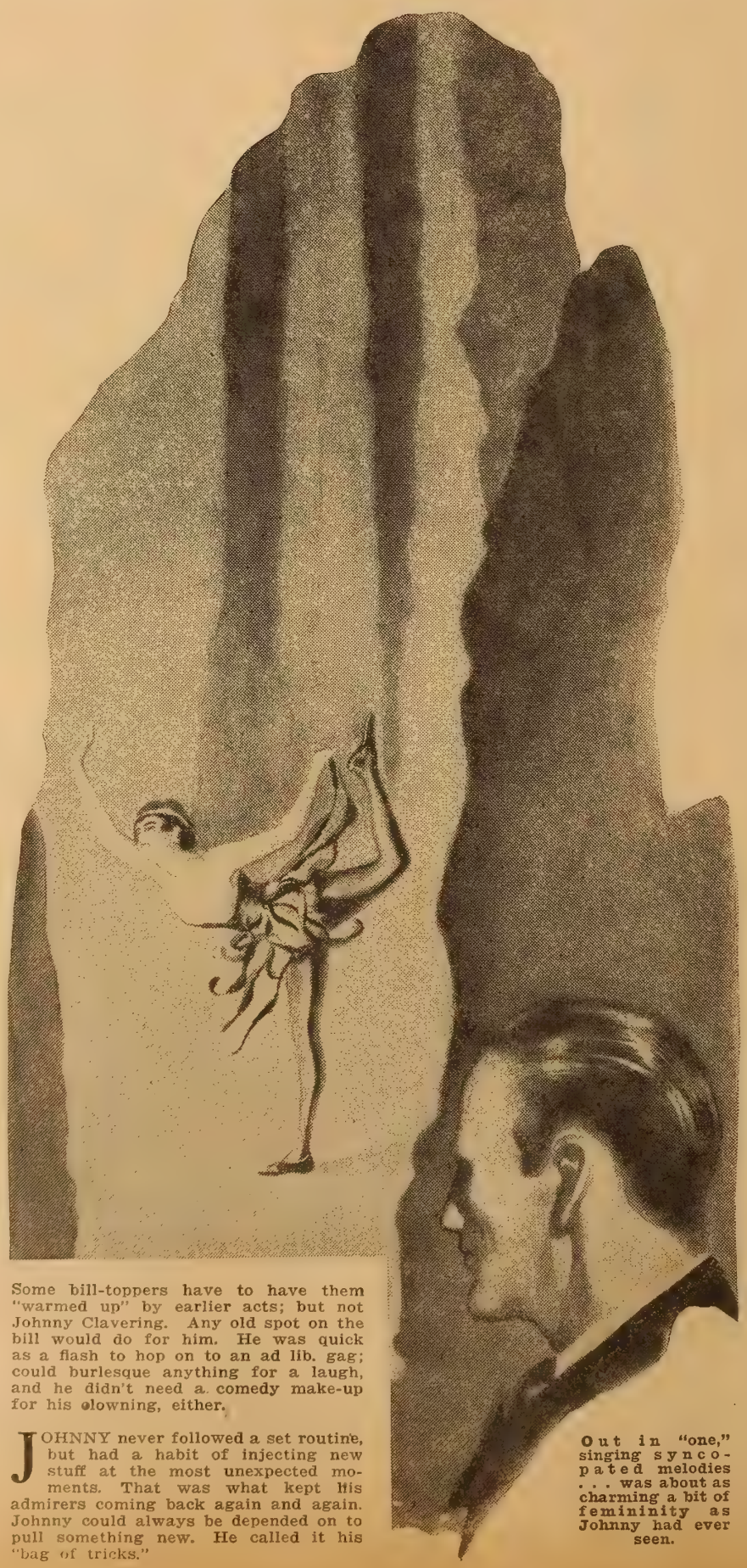
"Mr. Fresh!" the girl flung after him. She paused at the head of the stairway leading down to the dressing rooms. "Who is he, anyway?"

"Him? Oh, that's only Johnny Clavering, the headliner on this bill," returned the electrician in mock gravity.

"Johnny Clavering? The—the monologist!" gasped the girl.

"Yep; that's him. And say—you think they liked you out there. Wait till Johnny goes on and sets 'em wild. And say, Miss Shambaugh, there wasn't no sense in your talkin' to him the way you did. Why, if you was in trouble he'd be the first person to help you out. Everyone in the show business knows Johnny. He's helped more sick actors get well, an' more down-an'-outers get work than any dozen other fellers put t'gether."

The girl did not reply, but after a moment went slowly down the stairs, a serious look on her face. Fifteen minutes later, while Johnny was doing his act, Sheila Shambaugh, a dressing-gown draped about her, stood in the wings and heard him "wow" them.



Some bill-toppers have to have them "warmed up" by earlier acts; but not Johnny Clavering. Any old spot on the bill would do for him. He was quick as a flash to hop on to an ad lib. gag; could burlesque anything for a laugh, and he didn't need a comedy make-up for his clowning, either.

JOHNNY never followed a set routine, but had a habit of injecting new stuff at the most unexpected moments. That was what kept his admirers coming back again and again. Johnny could always be depended on to pull something new. He called it his "bag of tricks."

Out in "one," singing syncopated melodies . . . was about as charming a bit of femininity as Johnny had ever seen.

At the night performance Sheila was more civil. She seemed to be trying to make amends for her hasty words of the afternoon; and, with it all, she looked tired and worried.

Johnny was standing in the wings again when she came off, and she turned a rather shame-faced gaze in his direction as she bowed a contrite recognition.

"They liked you even better tonight," he said, in a friendly tone.

"Do you think so? I thought they were rather cold."

"Audiences are that way. Sometimes we work our heads off and they're undertakers out in front; then, again, they go wild over nothing."

She started for the steps, then turned and frankly extended her hand. "Mr. Clavering, I'm terribly sorry for the way I spoke today. I—I didn't recognize you, and—well, I was irritated over something, and——"

"That's all right, Miss Shambaugh. Suppose we lunch together after the show and see if we can't be friends."

There was just the slightest hesitation before she replied:

"Very well—and—thanks!"

Across the table that night in a modest little coffee house—Sheila had steadfastly refused to go the Ritz as Johnny urged—the headliner eyed his companion keenly as he sought to fathom the reason for those melancholy eyes.

She ordered modestly and sensibly. "I don't eat much after the show," she said half-apologetically.

"NOR I," returned Johnny. "As a consequence my sleep is usually free from the nightmares so often associated with lobster and other dainties of the fish and animal tribes. Come now, little girl," he urged, suddenly serious, "what's the big trouble about?"

"The—big trouble?" she faltered, surprised at the query.

"You're not happy. Any complications in your bookings?"

"Well, I haven't played as often as I'd have liked to; that seems to be a general complaint of performers. But you, Mr. Clavering—you're booked all the time."

"I've been rather fortunate. Good agent. That means a lot. Who's yours?"

"Barnes Jadwyn."

"Jadwyn!" exclaimed Johnny. "You don't mean to tell me that—" He broke off and drummed in nervous fashion on the table.

"Evidently you do not like Mr. Jadwyn." This a little resentfully.

Johnny's reply was evasive. "I don't know him well enough to either like or dislike him.

"But you started to tell me something about him."

"On second thought, perhaps I'd better not."

"Who was it wrote something about it being better to leave a thing unsaid than tell but half?" she chided.

"I don't know. That's a new one on me. Longfellow, or Bobby Burns, or some of those poetical chaps, I'll bet. Whoever wrote it, it's a sure-fire gag."

"Tell me why you dislike Mr. Jadwyn."

"I don't, unless I've developed an instinctive dislike for him because of the way he's treated some of my friends."

"I'm sorry to hear that. But, of course, there are two sides to every story. In my case. I'm sure Mr. Jadwyn is square. He—well, he is a friend of Bobby's—and——" She broke off and bit her lip. Was it confusion—or regret at having said so much? Johnny could not tell.

Sheila did not divulge who Bobby was, either believing that Johnny knew, or because it was not a subject she cared to discuss. She continued: "So when the—the accident occurred, he told me to go right ahead—to leave everything in Mr. Jadwyn's hands. He's been fair with me so I have no cause for complaint."

She laughed—a forced laugh, Johnny thought—and turned the conversation into other channels. Johnny tried artfully to steer the talk back to Bobby, but each time she forestalled him by some inconsequential remark. There was a note of frigidity in her manner by the time the waiter brought the food.

(Continued on page 29)

BIG RABBIT

by HUGH FULLERTON

IT WAS a dramatic moment on that broad, open air stage in the Florida jungle. Major Gaskill, proud and erect, stood defiantly between the giant negro, Trimble, and his beautiful ward, Roberta Tonneson. The rumbling mob of negroes behind us watched the developments expectantly. Trimble, in his regalia as Big Rabbit, had raised a vicious whip to bring the lash down over the white man's shoulder when the attention of the mob was diverted to a new entrant on the stage. From one side there waddled forth a tremendous turtle. Big Rabbit whirled about in amazement and immediately recognized an enemy. The turtle brought a roar of welcome from the noisy horde. Big Rabbit sprang to attack the new arrival with his whip. The mob growled its displeasure but the turtle proved he could take care of himself. Rearing himself on his hind flippers he delivered a crashing blow at Big Rabbit's mouth. I recognized the fist of my indomitable buddy, Borton. Big Rabbit collapsed and lay kicking feebly like a dying rabbit should. In the melee that followed Danforth and I seized Roberta and her faithful maid from behind the stage and rushed them to our boat. We were hotly pursued but soon eluded them all. Trimble was trussed in an ignoble heap beneath the seat. When all was still from the shore we quietly turned about and retraced our course in the hope of picking up Borton. Cautiously we crept along in the darkness, hoping that the half savage fanatics had dispersed.

CHAPTER XII

Borton Grins

FOR a mile we crept along, dangerously close to the bank, not daring to use the searchlight for fear of discovery. Then, from the darkness a voice hailed:

"Hello—over this direction."

"Dick—" I called hoarsely.

"Here—in the river," he called, guiding us. Twenty feet out from the trees, swimming towards us was Borton. I grasped his hand and helped him as he clambered over the side.

"Thank God—you're safe, Dick," I said, getting mellow with sentiment, "I was afraid—"

"Heard you go past a mile a minute. Knew you'd be back," he said, panting a little. "I swam the river and climbed a tree. Heard you returning, so dropped in and swam out."

I could not see his face, but gripped his hand hard. He was grinning—I felt that he was grinning, even though I could not see him. Then, with a chuckle he said:

"Say, wasn't that a peach of a wallop I handed that Rabbit?"

THE rising sun was laying a pathway of red and gold along the broad St. Johns, tinting the lotus pink, and gilding the water it touched when our overloaded boat, threatening to become disabled any minute, limped under the railroad bridge at Palatka. The negress, Tillie, still wearing her rabbit skins, was asleep, her head pillowed on the knee of her mistress.

Trimble, sullen and frightened, lay cramped and shackled in the bottom of the boat, Borton, plastered with mud and utterly exhausted, was curled in an uncomfortable arc, his head on a gasoline tank, grinning in his uneasy sleep.

Danforth was at the steering wheel, smoking to keep awake. In front of me Roberta was so close I could have touched her as I strove to keep the crippled motor going. She scarcely had spoken since I told her gently as possible, of Major Gaskill's death. She had wept silently for a few minutes and then said:

"He was good to me when I was small. Money drove him mad, I think,"

"I fear he lost heavily," I said, thinking how to soften the blow. "He speculated. I fear your money is lost."

"The money does not count," she said. "He was my best friend when I was a little girl."

I repressed a smile, which came because she looked so small and childlike as she spoke as of a far distant time.

"You have relatives, and friends?" I asked.

"None that I care for, excepting Mr. Kincaid. I will not be a burden. I must think."

She fell silent, thinking, almost motionless. She had not slept during the slow, perilous trip through the Ocklawaha and down the St. Johns. Now, as the sun rose, she turned her face to me.

"It is beautiful," she said quietly, her soft, southern tones more tender because of sorrow and trouble.

She seemed so brave and so helpless I longed to tell her I loved her, and beg her to permit me to care for and protect her. The sight of the sullen negro watching us as we talked, and of Danforth's hunched shoulders silenced me. Then the thought that I, penniless and out of work, should offer her succor made me glad I had not spoken.

"It will all come out all right," I said inanely.

OUR landing at Palatka was observed only by a few negoes who had gathered to load freight for the early morning boat. They gazed curiously at the dethroned and shackled king, and at our disguises, now half washed away, but did not move. We hurried the women from the boat and waked Borton to escort them. Danforth and I took Trimble to the nearest store where we telephoned, delivering him presently to the sheriff, who relieved us of the prisoner and agreed to summon the coroner and to send a posse to bring the body of Major Gaskill. That duty done I hurried to the telegraph office and sent a telegram to Mr. Kincaid which read:

"Miss Tonneson safe. Major murdered by negro Trimble, who is under arrest."

Then I went to Putnam, fell into bed and slept until four o'clock in the afternoon. My first inquiry after I awoke and sent bell boys skirmishing to bring me clean raiment, was for Miss Tonneson. I found her on the porch, pale and a little worn by grief and fatigue, but calm, and she greeted me with a wan smile. Borton was lounging lazily in a big chair, drawn close to hers. His athletic body was now clothed in white flannels, his face wreathed in its customary grin. A little pang of jealousy smote me as I saw how handsome he appeared even in makeship togs from the nearest store, and I prepared to plead business with the sheriff and leave them together.

"I have been trying to thank Mr. Borton," said Roberta, offering me her hand but making no effort to change her easy position, "I have waited to thank you."

"Let her do it, Wen," said Borton, grinning joyously. "She piles it on thick and rubs it in. It is quite the most delightful experience I have had."

He arose as he spoke, lazily, but with his inimitable grace.

"It is best to be alone when she thanks you. I'm off to find Danforth."

"Bring him back with you, Mr. Borton," she commanded smiling at his quaint mannerisms. "Then you must tell us how you found me."

"Yes, do Dick," I urged. "I have been puzzled to try to figure how you ever worked out your theory."

"Back in a quarter of an hour, if Miss Tonneson can finish thanking you in that time. I had half an hour myself."

He grinned and sauntered away, and I blessed him for leaving me alone with her, even for so short time.

Instead of speaking we both sat gazing out toward the river.

"I understand how you feel," I said, breaking the silence. "Please do not try to thank us. We are all glad you are safe."

"I felt all the time you would come," she said quietly. "I never doubted it."

"Knew we would come; how?"

"I did not say 'we'—I said you," she replied steadily. "I knew only you. I feared at times you had not received my message."

"Did you know we were in the car that night?"

"No—not until Trimble turned on Uncle, then Uncle told me. It was all like a dream until we were on the boat in the river."

"We never could have traced you but for Borton," I said, with a jealous pang.

"I knew you would try. It seemed all the time as if you were coming closer."

WE TALKED calmly of the weird events of the fortnight, of her alarm when she discovered Major Gaskill in the conspiracy with Trimble and herself being carried away in the car, of her change of fortunes. With every accent of her soft voice my wild hopes rose higher.

"Miss Tonneson—Roberta," I said, using the stilted form of the novelist.

"Now that you are no longer wealthy I—"

"Mistah Lindsay—Mistah Lindsay."

A colored boy, bearing a telegram emerged onto the porch. Storming inwardly I tore open the yellow envelope and read:

"Good work. Inform Miss Tonneson principal investments saved. Market turned. Ship body here. Keep mouth shut. Kincaid."

I stared at the telegram as its meaning became clear, and passed it to the girl.

"I congratulate you," I said dumbly, "You are again wealthy."

She paid no attention, but commenced to weep softly.

"Poor Major," she sobbed. "If, he—"

At that instant Borton and Danforth returned.

"All arrangements made," Borton said cheerfully ignoring the distressing tableau. "Nothing to do, so I'll take great satisfaction in relating to you the inside story of the great rabbit hunt. I say great delight for the reason that my little playmate, Wendell Phillips Lindsay, scoffed at my theories and even went so far as to insinuate that my mind was affected."

"I apologize, Dick," I hastened to say, "I'll admit I was an ass—but how did you figure it; I cannot understand yet?"

"WHEN I was a kid," Borton commenced, stretching himself comfortably in a chair, "I had a black mammy on our place in Alabama. She was from the Guinea coast and she told me the folk lore and traditions of her people until I used to creep into bed and shiver with fear. Since then I have read as much as possible about the negroes of the South. Most of the tales on Southern plantations are garbled forms of the zootheism of African tribes; the worship of animals. Some of the animal gods are good, some bad, some serious, some humorous. The Rabbit is the best known. I suppose in this country he'd be the god of Big Business. He is the smartest and shrewdest of the zootheistic deities, and usually wins by trickery. He is also a luck bringer, which accounts for the superstition that the left hind foot of the rabbit killed in a graveyard brings good luck. Big Rabbit is associated with Mammy Bammy, sometimes called Big Money by the American negroes. Possibly Mammy Bammy means Big Money. Big Rabbit is also called Riley Rabbit. Perhaps all the names are corruptions of African tribal words. If you have read Uncle Remus you have heard of the doings of Riley Rabbit and his Mammy."

Borton paused to ask permission to smoke, then continued:

"As soon as we heard of this case we heard of rabbits. The disappearance of Major Gaskill, his returns with money, his intimacy with Trimble, the evident fear and respect of Trimble by other negroes, and Trimble's unnatural

Miss Tonneson sat in a steamer chair, wrapped in a rug. . . . "I'm afraid Mr. Borton is right about—about—your mulishness," she said. "I beg your pardon," I answered stiffly. "I do not quite understand." She made a little gurgling sound, her eyes danced and she broke into a nervous, light laugh.

influence led me to the conclusion Major Gaskill was playing upon the superstitions of the negroes and using Trimble to get money.

"When I discovered Major Gaskill had rabbit signs all over his library and that he was an authority on the subject of negro superstitions I jumped to the conclusion he had set Trimble up as a sort of deity, and was using him to control many of the ignorant negroes. When Trimble, at orders of Col. Gaskill, abducted Miss Tonneson to prevent exposure of their plans, I was alarmed, convinced that Gaskill had trained up a Frankenstein who would assume the power and turn upon his master.

"Trimble was a victim of self hyp-

(Continued on page 28)

Old Man Static's Funeral

WHAT SIR Oliver Lodge Has Recently Said About Forced and Free Vibrations, and Why a Good Ground Is Necessary. Part V.

By MILO GURNEY

WAY back in the days when Mr. Edwin Armstrong was having a "heck" of a time trying to persuade the "Hams what were" that they should own a license to use his circuit regenerative at ten dollars per privilege, two "brass pounders" made the best galena survey Dubuque County, Iowa, ever had. Every inch of ground which had a rock upon it that might possibly prove grade one to twelve galena was tramped over a dozen times—and we got our "hunk." Oh boy, if you old hammers know what I mean!

Those two ambitious little trampers were a fellow named Le Vin and the writer. Le Vin claims that he cannot write a story to his wife that gets by, hence he delegated me to go ahead but leave his name out, which I have, so far as the first part of it is concerned.

With this "golden nugget" we copied calls and messages—sometimes. Then came the big night when a CQ rolled in, distant almost forty miles. CQ was enough. What he may have wanted to say was of no consequence. We had his call, and inasmuch as it was miles further than we had ever hoped to receive for the next fifty years, we called it a night, stuck out our manly chests and refused to converse with the ordinary mortals.

But the next afternoon came the big surprise. Overly kind and considerate painters when working on the home the previous fall, had broken the lead-in and wrapped it around a convenient nail. To make a long story short, our first big time reception had been accomplished with about seven feet of lead-in and—well, it must have been a whale of a ground. What phenomena had done the trick and how were we able to receive at all was quite beyond two small boys. In place of broadcasting the facts, we were careful to keep very quiet about them realizing that if we mentioned that we had used practically no aerials—then both of us would have been liars instead of but one.

The Mystery Solves Itself

Yet, you who are interested will appreciate that years after, altogether too many years—the reason why has been made clear and from this early experience the simple underground aerial which will be described in this article has been evolved. In reality, it is not an underground aerial, but in truth a mighty good ground with a touch of Clerc Maxwells gray matter added to the batter and the finding of Sir Oliver Lodge put over it for the crust.

It works well in more localities than the other types that have been described, while its usual performance is such as to warrant the statement that the system is a correct step forward to the solution of the static bugbear. Before describing its installation, the author feels that a more clear understanding of the word "resonance" is desirable, as well as "oscillator excitation."

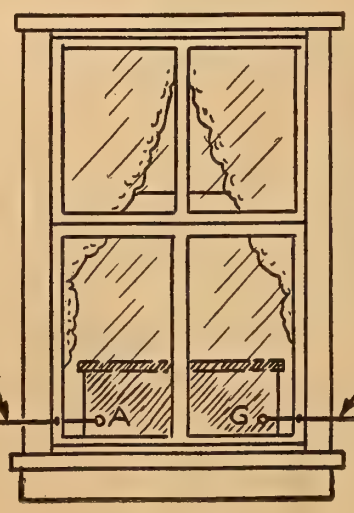
These words need not alarm you as they constitute the first and last attempt to use technical phrases in this article. Webster defines the state of resonance as "a result from the repetition of small impulses which, when two bodies are in tune, have a purely additive effect, but otherwise tend to neutralize each other. Electrical resonance occurs when an electrical circuit has a natural period equal, or nearly equal to the period of the source of alternating electromotive force." Or in other words, this means to vibrate in sympathy or synchronism with some other source of sound or electrical oscillation.

"Forced" and "Free" Vibrators

There are two classes of vibrators, viz, "forced" and "free." A "free" vibrator is one with a definite frequency of its own and not coupled to an influencing or driving medium. Once excited and left to itself, the vibrations will gradually die away. A tuning fork is an example of a free vibrator. Electrically, any closed circuit possessing inductance and capacity, such as an inductance used in Radio receivers, is a free vibrator so long as their is no driving agent near it.

Conversely, any such circuit coupled to an exciting circuit immediately becomes a "forced" vibrator. Receiver circuits are always forced vibrators, with the strength of the excited oscillations depending upon the tuning. Any mass may be caused to vibrate, however, independent of tuning by the application of sufficient stimulus. A child can readily cause a church bell to ring irrespective of the strength of its blow, if such blows are properly timed. This is because of additive power at the point of resonance.

Sir Oliver Lodge points out a most unusual observation which is often noticed when tuning one's receiver. He says that in such cases when tuning, the free vibrator tries to vibrate at its own period and does so until the driver or impressed frequency dominates. When at this point, that which is thought to be a heterodyne whistle occurs. In effect it is a true heterodyne, for the two frequencies are superposed. Once the driver dominates, the free vibrator synchronizes and we secure a response at a given amplitude.



The best asset a Radio installation can have is a good ground. Yet this point is most often ignored.

Strong Signals Not Needed

It is obvious, however, if one will but follow the anology of the child causing the church bell to ring, that extremely strong driving signals are not required from the antenna to bring the input into resonance, as its directed power is additive, or builds up. It matters little how weak the received signal may be. If the acceptor circuit is of the correct design, the received signal may be worked up through the power of resonance to a desirable value. Bear this statement in mind as it has much to do with the underground antenna which is offered herewith later.

This further, interesting statement should also be rehearsed until one is letter perfect in his understanding of it:

"When two circuits are coupled together, neither of them are free vibrators, and each interferes more or less with the other, while the combination of such circuits cannot hope to attain the energy of a free vibrator. Successful amplitudes are therefore to be had only when the circuit used is of very low resistance and so arranged that it will be driven or disturbed by the forced vibrations arriving from the station tuned to, in a slight manner." My authority again is Sir Oliver Lodge, inventor of tuning, and Sir Oliver is not to be denied.

Reducing to Layman Language

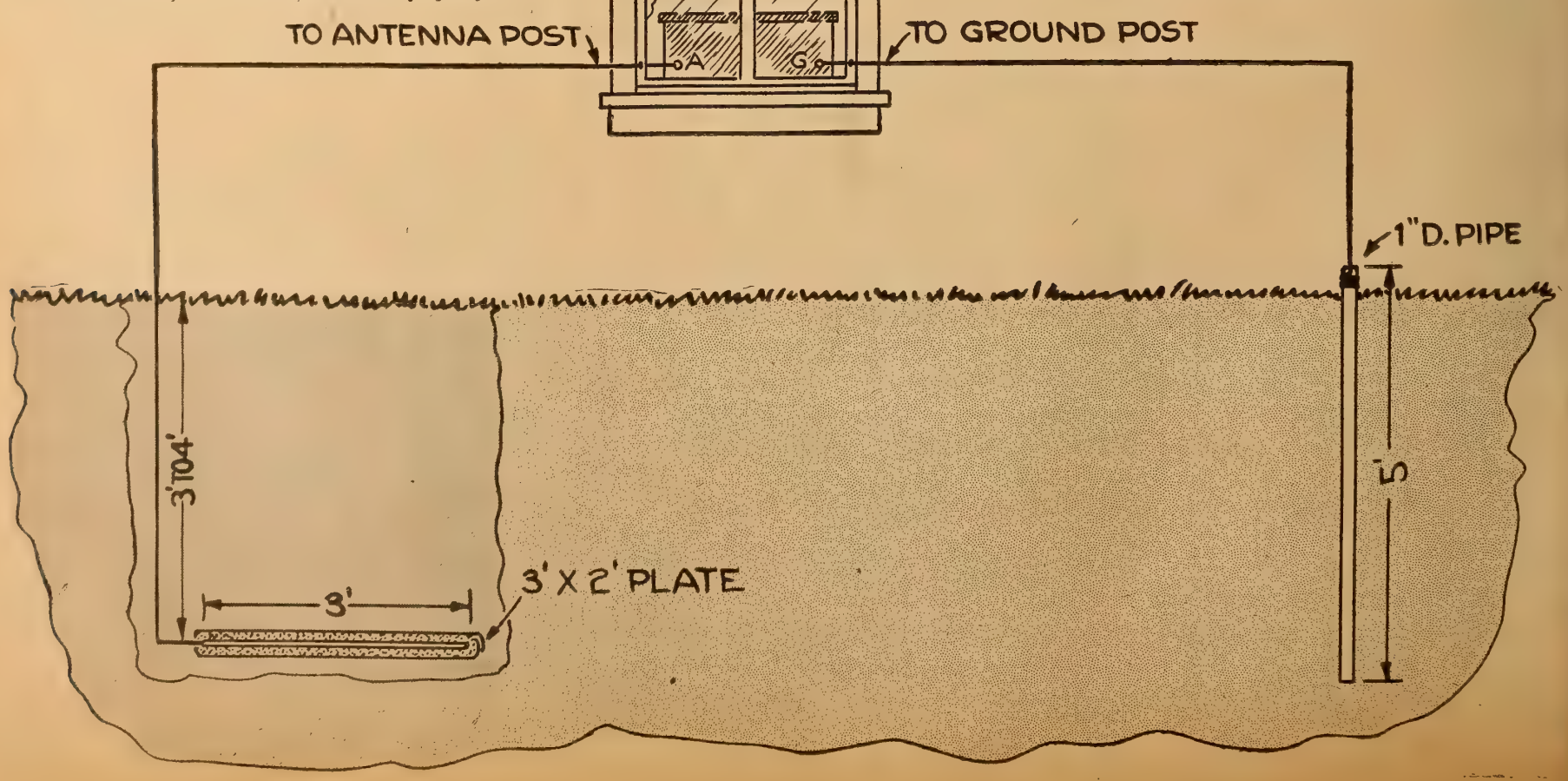
What does all of this mean in language of the layman? This and this only: (1) We are using altogether too much antenna. (2) We should not conductively couple to the grid input. (3) A fixed condenser of some value should be inserted between the aerial and its connection to the receiver. (4) Any tendency for the existence of magnetic coupling should be avoided.

That is a pretty big order. One cannot well change their present set or the coils to enlist the advantages of this ideal, but in direct ratio to the efficiency of your receiver is the lack of any antenna required. What you will do then, unless you have the crack performer in the Radio receiver line in your town, is to forget the installation of other than a husky outside aerial and suffer in silence. How are you to determine this point? Build the best ground connection possible, attach it to your receiver and go to it. If it pulls in the average of the important stations, you have something; if it doesn't, you have something coming—a trip back to the overhead.

Therefore, with the above information, which is but a scratching of the surface of wonderful Radio reception under ideal receiving conditions, we will now tell you how to build a real ground, and you may call it your underground antenna, for without a ground connection, many Radio Digest readers will reap satisfaction from its use. The failures have also gained unintentionally for they have constructed the type of ground which the receiver always begged for. That's fair enough, is it not?

The ground, or as it may be proved, the underground

(Continued on page 30)



This B Eliminator Is Good

EVEN Mr. Alladin Would Sit Up and Take Notice of the Marvelous Even Supply of Plate Current Which Is Furnished When You Harness the Wonder Raytheon Rectifier Tube with Thordardson, Potter and Bradley Accessories. This B Power Unit Is Easy to Make.

By the TECHNICAL EDITOR

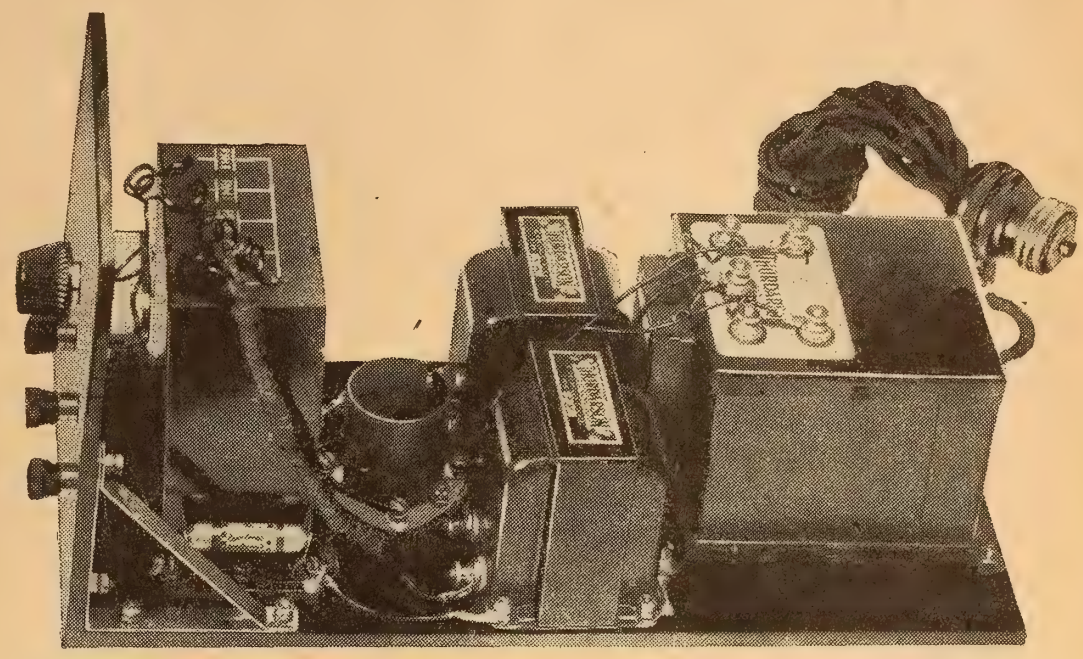


Figure 1. View of completed Thordarson-Raytheon-Potter eliminator showing the assembly. The shape may be changed to suit available space.

REMEMBER Alladin, that Arab boy who had but to pass his hand over his wonderful lamp and the Giant Genii would appear to do his bidding? Outside of the story books, however, progressive Radio has produced another wonder called Raytheon, which is nothing more than a gaseous rectifying tube so designed as to rectify the ordinary, everyday, 60-cycle electric lighting house current, and in this process of rectification, change the house current to direct current suitable for replacing B batteries for the plate supply current on the tubes of your receiver.

There's much in a name. The name Raytheon, according to Miles Pennybacker, chief engineer of the Raytheon Manufacturing company, is no exception. The word is compounded from the word Ray, analogous to ray or glow discharge tubes, and the word Theon, signifying "The Gods", hence the compound word Raytheon means "Ray of the Gods" They tried very hard to give C. G. Smith, inventor of the well-known S tube, a place in the sun when naming this new rectifier, for it was his work which paved the way for the present Raytheon, but the Smith's, so far as names are concerned, are an exclusive lot. "Smithson" would never do as the name of a tube and "Double S" showed promise yet might lead one to believe that all of the other Smith's in these United States were in on the secret. Therefore, they treated the subject as Kelly did his list of men whom he could whip—scratched off all the possible names and ran a dark horse, Theon, a Greek whose first name was Ray. Such is the destiny of fame.

TO THOSE interested, it appears that the construction of a satisfactory Raytheon is a rather complicated process. The most important of the operations is the "bombarding". Bombarding a tube means subjecting it to extremely powerful currents having frequencies of several million cycles per second. This process brings the metal parts of the tube to a brilliant orange-white heat, which drives whatever residual gasses may have been in the metal out into the tube so that the vacuum may draw them out through the exhaust. Once a tube has been bombarbed four times, it is filled with the desired amount of pure gasses and sealed. From this point on, it has little chance to go out into the world unless it can pass with flying colors a multiplicity of tests. If the tube successfully passes each of these rigid tests, it is labeled, based, and the next we hear of it Alladin himself is gasping with wonder as the little giant shoves a pure unadulterated flow of rectified alternating current into the plates of his Radio tubes.

THIS little giant is however helpless unless associated with an input transformer, the proper value of chokes and a battery of filter condensers. The requirement is obvious that such associated parts not only be designed by manufacturers of mature experience, but that the history of these manufacturers show an ever zealous endeavor to construct apparatus under the most rigid of specifications. Our selection of the parts for this eliminator has been equally rigid with the result that the No. R-195 Thordarson transformer and two Thordarson No. R-196 chokes are specified with the assurance to the builder that they represent unquestioned quality of a very high order. For illustration, the No. R-195 transformer is wound upon an oversize or generous shell type core, which after placement in its steel housing is filled with a special, stable insulating compound. Exact measurements are taken at the factory to insure that the secondary of this transformer is tapped at its electrical center. On either side of this electrical center, secondary voltages of the proper value of output are supplied to correspond with the B current consumption of the receiver. Realizing that any overloading of a transformer used in B substitute devices but spells final disaster, the Thordarson engineers have designed this transformer so that it will supply a plate voltage of 140 volts at 40 milliamperes, and of 90 volts at 60 mils, which is far and beyond the requirements of any Radio receiver now in general use. A further proof of its reserve power is found in the observation that even under continuous service the transformer will not heat.

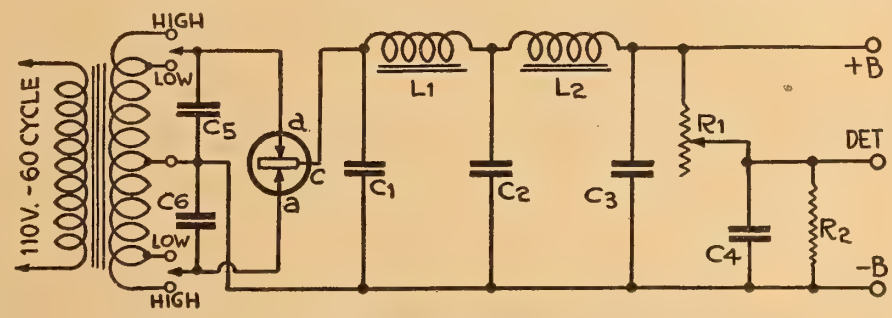


Figure 2. Circuit of Thordarson-Raytheon-Potter eliminator.

The chokes display an equally careful design. Their inductance value is 30 henries, while their current carrying capacity is of the order of 60 milliamperes with a direct current resistance of 280 ohms. One can ill afford to experiment when constructing B eliminators, and this information clearly indicates that the apparatus selected represents that which is entitled to unbiased recognition.

POSSIBLY no part of an eliminator circuit is so dependent upon successful operation with complete absence of alternating current hum as is the fixed condenser filter system. This must be such as to withstand indefinitely not only normal demands placed upon it but the surge strains which often occur. Because the insides of all fixed condensers are well hidden, and the outward appearance of many makes look very much alike, the constructor is not to blame for assuming erroneously that any old make of filter condenser will do. Don't gamble! One condenser which decides to" go west" in a filter circuit can create more profanity and trouble than a one-armed man would have with the prickly heat.

In selecting the Potter condenser block, manufactured by the Potter Manufacturing company, for the filtering system in this B eliminator, samples of the linen condenser paper and tin foil, as well as the impregnating compound which Potter employs, were secured and put through rigid tests for quality. In addition the No. 350 block, which is specified in this assembly, was given a breakdown test that was quite beyond any abusage which might occur when in service. The results of this careful selection will be enjoyed by the listeners who build the eliminator. Capacity ratings of the Potter block were found very accurate while a summary of the care taken in their manufacture is evidence of this company's evident determination to command recognition through building under modern factory inspection methods.

CIRCUITS in mystical Radio come and go, like the Arab. Today's popularity may be followed by their absence on the morrow without anyone having seen them fold their tents and silently vanish into the night. B eliminator circuits, however, are not subject to change. There is but one circuit using the Raytheon tube and that is as offered by the tube manufacturer. It is shown here in figure 2. All filter condensers are keyed in the drawing, and the wiring diagram is so simple that the greenest tyro cannot make a mistake in its assembly. C1 and C2 are 2 microfarads each; C3 is 8 mfd.; C4's value is .5 mfd.; and C5 and 6 are .1 mfd. in value.

It should be understood that the condenser blocks Nos. 350 and 385 of the Potter make contain all of the condensers required for the filter shown in the diagram, and in addition, a condenser is included for the use of those who desire voltage between Det. and +B for special circuits. In the latter event, it is only necessary to connect one side of the extra 1 mfd. condenser in the block to —B and the other terminal of this condenser to one side of a 100,000-ohm maximum variable resistance. The remaining terminal of the added variable resistance is then connected to the point marked +B on the drawing. As a hum prevention device, it may be wise in constructing the eliminator to ground the —B wire to the metal cases of the Thordarson transformer and chokes. This may be accomplished by soldering to the cases or fastening the grounding wire under the mounting screw heads of the cases. If your A battery is not grounded from either its + or — terminal this should also be done.

THE socket employed to hold the Raytheon tube is standard. The +F and —F terminals are connected together and in turn connected to one terminal of the first choke. The grid terminal of the socket connects to C5 while the plate terminal of the socket connects to C6. To each of these C5 and C6 connections short flexible leads are connected and equipped with clips in order that these connections may be made to either the low or high side of the Thordarson input transformer.

A photograph of the completed unit is shown as figure 1. Here it is noted that an oblong shaped assembly plan was carried out. This may be changed to any convenient form the constructor may desire in order to fit into some special cabinet. However, if the oblong form is used, the baseboard dimensions are 6½ by 14 inches and the front panel 6 by 6½ inches.

R2 is a fixed resistance of 10,000 ohms while R1 is a variable resistance of 100,000 ohms maximum. A word about the Allen-Bradley resistances specified for this eliminator will save many a constructor much grief and dodge trouble in the offing. The Allen-Bradley company, as many of you may know, are resistance specialists. Their entire organization has for years made an intensive study covering this field of apparatus. If they do not know how to make efficient resistances of all types, it is only fair to assume that their business never would have been able to survive. The writer's experience with their products, covering a period long before Radio became popular, has been such as to select both their variable and fixed types for the construction of this B substitute without equivocation.

BUT OH—what a lot of trouble these little devices have in store for the person who attempts to abuse them. Each variable resistance is operated by a knob attached to a plunger

(Continued on page 26)

LIST OF PARTS

1 No. R-195 Transformer	Thordarson Elec. Mfg. Co., Chicago	$ 7.00
2 No. R-196 Chokes	Thordarson Elec. Mfg. Co., Chicago	10.00
1 No. 350 Condenser Block	Potter Mfg. Co., North Chicago	12.00
1 No. 385 Condenser	Potter Mfg. Co., North Chicago	1.50
1 Standard Vacuum Tube Socket		.75
1 No. 10-R Fixed Resistance	Allen-Bradley Co., Milwaukee	.75
1 No. 10 Variable Resistance	Allen-Bradley Co., Milwaukee	2.00
Formica panel, wire, baseboard, etc.		1.50
Total Cost		$35.50

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Let Congress Adjourn

AS THIS issue of Radio Digest goes to press, we learn that congress, the body of so-called legislators in Washington, is thinking seriously of continuing its session through the first week in July. In that event the senators and representatives will still be profoundly legislating as this edition passes into your hands.

The reason is that the boys "on the hill" at the Capitol are somewhat chagrined and panicky at current events. The primaries have been too much for them, and the congressmen feel that maybe this man Coolidge hasn't been such a prophet as their own good judgment might have been. The constituents in many states have been taking their pounds of flesh, and while the operations always have been proclaimed a success, nevertheless the patients died.

And who wants to be an ex-senator or ex-representative?

In the meantime, before congress has adjourned, we wonder if any Radio legislation will have been passed by both houses.

We have just glanced over a revised copy of the White-Dill bill, No. H.R. 9971, as reported out to the senate by the committee on interstate commerce. It looks very little like the original bills sent into that committee. Its amendments are so many that Mr. White and Mr. Dill would probably have great difficulty in recognizing it.

With all its changed and added features we are led to believe that careful consideration should be given to this measure by the public, the broadcasters and the Radio industry. To date the chiefly interested parties have proven to be broadcasters. The public doesn't care much, and the industry seems content to wait and see how any new Radio law would work, once it is enacted and enforced.

Whether or not we want Secretary Hoover or a commission in charge; if the latter, how large a commission; shall broadcast stations be declared common carriers; shall stations be denied the right of censorship of their own programs; who shall regulate the sale of stations; for how many years shall licenses be granted—what is the answer? Have you thought it over? Yet, all these questions will be decided by the impending legislation.

Yes, we believe it best after all, that congress forget about Radio for the remainder of its session and devote its time to such things as farm relief, the world court, prohibition and other vote-threatening issues.

A Proof of Progress

A RADIO manufacturer has become indignant over the statement of a "smart Aleck" paragrapher that Radio photographs look like most Radio sounds. We cannot become indignant over the paragrapher's comparison because we feel that the poor fellow is merely uninformed. We ask him to correct his statement to say, "Radio photographs look like Radio once sounded."

Certainly reproduction in Radio has been vastly improved during the past four years. Atmospherics, of course, have yet to be overcome, but these do not figure in reception from local or nearby stations. A modern, medium quality receiver and loud speaker nowadays is superior to the phonograph in tone.

Let us prove the latter. For nearly ten years prior to the wave of Radio popularity, talking machine manufacturers were content with what they considered very good results.

But since Radio has become an everyday necessity in many middle-class homes and Radio reproduction was improved to such a high quality that inroads were being made on the phonograph industry because the current model phonographs could not match the quality of Radio receivers, the manufacturers of talking machines got busy. In the past year we have noted revolutionary improvements in their reproducing systems. These improvements were forced by Radio!

As Radio sound reproduction has forced improvement of the phonograph, so will Radio picture transmission, perhaps, cause the motion picture photography to search for better means.

RADIO INDI-GEST

The Answer
To George's "Indi-Gest Poets"

The Indi-Gest poets come and go,
And so do people, don't you know?
Folks sail the seas of life awhile—
Then one by one pass on in file.

Sometimes, the moods are verses light,
Sometimes, the sadder tones take flight;
Now, life seems an airy bubble,
Next, a weight with heavy trouble.

Whatever niche in the world we fill,
Here's to the winds that blow no ill;
In our homes may we find a friend
In Radio Digest till the end.

RHEA SHELDON

So it seems that Rhea is back with us once more, thanks to our friend George. The latter is batting 1,000 and has so many good poems on Indi-Gest's hook that we hardly know what to give you first. Guess we'll let you have a comical little bit of doggerel this time. Look below.

"You're Next," Exclaimed Barbara

West Milwaukee, in the merry month of June.

Mr. Indi: I am writing you to tell you that I much enjoyed "Short Shaves." May I therefore be permitted to ask "Barbara" a few questions? Thank you, dear.

Dear Barbara: Me and my boy friend Boniface are just dying to get the low down on some of them Radio artists. Tell me, dear, does Radio Soprano Hulda Bandsaw honestly get paid for singing? How much does she get? And where does she get it? Answer me quick before I get one of my attacks.

And listen, who picks them covers of beautiful girls for this magazine? Wot a choice, wot a choice. They don't live long on them kind of jobs—the heart gives out. And say, do you think that bloomers will ever come back in style? I think they're just darling, providing you ain't too fat, it shows off the hips so.

What think of Conon Percival Eveningbreeze, the guy wot sings "Forever" from Station POOH? Honestly, dear, I feel foolish all over when he sings that, really, I am thrilled to tears. They tell me he subscribes to the Homely Ladies Journal and is a bear at tatting: His wife, they say, runs the cozy cottage on Cottage avenue.

And then there is the Marked Tenor, who sings from OBUNK, tell me, was he born in that one Buick town, Red Hank, N. J.? My dear, I would not believe it if you told me so. Say, who are them Eskimos from the Kicko Club? I suppose they play for ginger ale and sassyperunilla and get all blown up about it. How would you like them warm their cold feet on your back all thru a polar night?

My girl friend wants to know whether it is proper for her to listen to a man singing in her kimono? Get me right, I mean listen to her Radio when she is in her kimono? Answer this quick, better death than dishonor. Don't you get tired listening to the Silvertown Cord Band? Tell them to send me some too—34 x 4 is the size. Well, I must stop now, it is time for my croquet lesson. Love and kisses from

THE THIRD TROMBONE PLAYER

Barbara being busily engaged snooping around and sticking her nose in Radio artists' businesses, we pause to reply, in cadence, one-two-three-four: No, not for singing. Nothing much. Where do you guess? From her friends. Indi-Gest. We're agin 'em. Why think when it's so unusual for us. Tattlin, correction. Sure, it musta been Red Hank. Six months and they'd warm up. Okay, if he sings bass. No, more like a blowout. I challenge you to a Swedish match.

Mike Fright

He stood before the microphone;
His heart was in his throat.
He tried to sing in baritone,
But blatted like a goat.

GEORGE

Intermission Idiosyncrasies
A. C. S. Announcing

"Colonel Westfall Dombarton of Louisville, Kentucky, will favor us with the Colonel's favorite after-dinner ballad, entitled, 'Oh Where Is My Wandering Joy Tonight'. We might state by way of explanation that the Colonel, who is spending a couple of weeks in New York, has three cases somewhere between Louisville and 33rd street. We're reasonably sorry for this situation as well as the Colonel is a very close friend of ours.

ARTHUR C. STOWELL

Mary's Little Radio

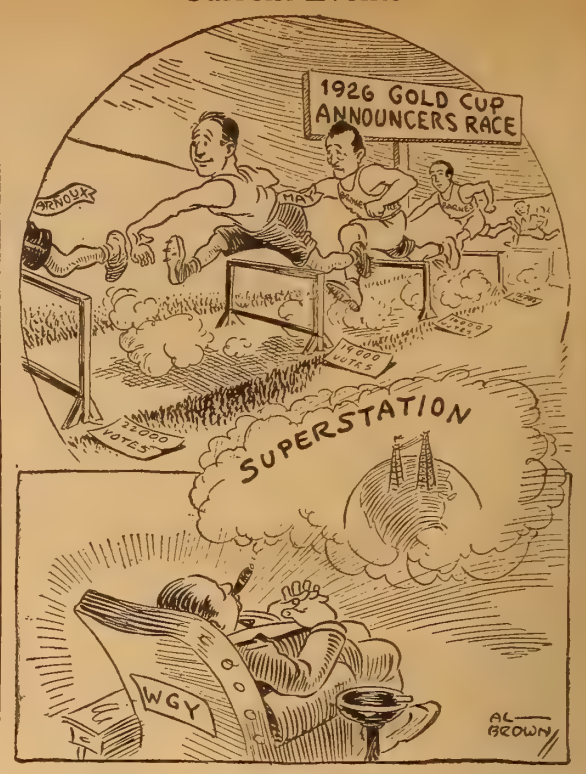
Mary had a Radio
And it was very small,
And everywhere that Mary went
You heard it's gentle call.

She took it into school one day,
The kids were wild with joy;
And when it got the teacher's goat,
Did he butt in? Oh Boy!

JEAN McMICHEAL

Every one of my "listeners" who put on a bib in the morning to keep the juice of the hen fruit from leaving canary yellow polkadots on his chest or her bosom, will appreciate learning that "Interesting Information Concerning the Marketing of Eggs" was broadcast recently from KGO by Mr. H. G. Hamann *INDI*

Current Events



Condensed
BY DIELECTRIC

No matter how sultry the night nor how much the static with it, there is one musical feature most any of of us are willing to listen to, a feature that strikes a vital blow at discouragement and gives four singers a chance to display their ability at team work. Male quartets can nearly always charm with a few solo airs introduced by the basso, if nothing else in their efforts cause one to applaud. One of the best male quartets heard in some time sang before the mike in the studio of Station WTAM, Cleveland, rendering songs familiar to our aunts and grandmothers and still appealing to the rest of us. These old numbers have a certain simplicity of melodic and harmonic content wholly enjoyable. There can be but one requirement—no "barber shop" chords.

Station WGY, Schenectady, is noted far over the globe for the excellence of transmission, Radarios and other features, placing the director in an enviable position of freedom from complaint. I don't intend to say that their programs are entirely free from censure from those who always have some excuse for finding fault, but that so far as your humble reviewer is concerned they satisfy in most particulars. Having followed carefully and with interest many varied programs from this station it seems appropriate to mention the character of dance music presented. While the selections presented are not unusual nor distinctive from other broadcasters one characteristic is pronounced, which is the near approach to perfection in rhythmic observance.

If you never heard that famous song before entitled fifteen men reclining upon the chest of a deceased partner—before, I mean—hearing it sung from the studio of Station WJAZ, Chicago, you have a genuinely authentic record of how it should be sung. As a counterpart to that, what more appropriate than that this station should be responsible for putting "on the ether" a pirate song in true, bloodthirsty, buccaneering style, which it did. Fame is won in many devious ways.

There is not a great deal that I can say, without forcing unduly the elasticity of a complimentary nature, about the programs arranged for Radio listeners to Station WRVA, Richmond, and shall confine comment to that portion of their programs devoted to the playing by the Hotel Richmond orchestra, as pleasing to listen to as any musical organization of its class. That may not be saying much, or considerable.

Of the large number of Radio listeners delighting in jazz there should be a large proportion of them tuned to that well-known broadcaster located in the "city of beans," Boston, under the call caption of WNAC. Here again we find all of the current jazz classics presented with true contorting swing and meeting the tastes of each devotee of the art. Tune to the Shepard Stores' station for jazz.

Station WJZ, New York, has sufficient power to compass many miles across the continent and possesses directors capable of judging the excellence of any feature—so far as it applies to the exigencies of broadcasting—and I wish to compliment them upon the uniform character of their offerings. Another phase of broadcasting, which is equally important, is the ability to transmit in a manner to win the encomiums of all listeners. This may not be said for the R. C. A. station. Its features are interrupted for the space of many seconds and the power is not uniform throughout an evening's entertainment. Why this condition should be allowed to continue is beyond my ken.

ALL OF RODEO TO BE PUT ON AIR AT WOOD

GRAND RAPIDS TO PICK UP ROUNDUP JULY 2 TO 6

Steer Wrestling, "Bronk" Riding and Wild Horse Races Are Booked by Michigan Station

GRAND RAPIDS, Mich.—Steer wrestling, "bronk" riding, wild horse races and what not in the line of sports from the wide open spaces will take the air July 2 to 6, from WOOD, station of the Grand Rapids Radio company on the Hotel Rowe here, when the roundup at the West Michigan State Fair Grounds is broadcast in entirety by direct wire.

On this occasion, believed to be the first complete broadcast of a rodeo, "Tex" Sherman, cowpuncher extraordinary, will be at the microphone. Mr. Sherman has undoubtedly witnessed more rodeos than any other living person, except perhaps "Wild Jim" Lynch, producer of the show and winner of thirteen world championships at rodeo sports.

Cash prizes aggregating $10,000 will be awarded to the winners of the various event, day and grand prizes. There to defend their titles and compete for the prize money will be Patty Ryan, Bob Askin, Mike Hastings and his wife, Mrs. Fox Hastings, and other cowboy champions.

Many Thrills to Come

Mrs. Fox Hastings is the only lady wrestler of steers in the world. Incidentally, steer wrestling is considered the most hazardous of all rodeo sports. Her husband, Mike, is present holder of the steer wrestling championship.

Another thrill will be given Radio listeners and spectators when "Wild Jim" Lynch wrestles a steer from a motorcycle and also from the running board of a speeding automobile. Mr. Lynch is the originator of this event.

Probably the most amusing of all events is the wild horse race in which wild horses serve as the steeds for cowboys who first must saddle them. Inasmuch as a wild horse is not to be steered but goes where he pleases, luck plays a large part in deciding the winning rider.

Maurice Wetzel, director of WOOD, who arranged for the roundup broadcast, is confident he has something brand new in the Michigan rodeo to amuse the general listening public.

Tongues Centuries Old Teach Mexican Indians

"Education by Radio" Is Policy of Broadcasters

MEXICO CITY, Mexico.—Languages that were thousands of years old when Cortez first conquered this country 400 years ago, are now being used in the broadcasting of instructive talks for the benefit of the many natives throughout the Mexican republic who still cling to an Indian language.

"Education by Radio" is the slogan for most Mexican stations, chief among the latter being CZE, here, the department of education broadcaster.

The government has distributed receiving sets to Indian villages and districts. From all the surrounding regions men, women and children tramp to the place where a local headman has charge of the government's "magic box which catches winged words from afar."

New Halifax, Nova Scotia, Station Is Proud of Self

HALIFAX, N. S., Can.—Coming on the air late in May and being heard in Chicago in June, the new 100-watt transmitter here, CHNS, operated by the Halifax County Radio association, feels quite proud of itself. According to William Coates Borrett, director, CHNS is on the air Wednesday and Sunday evenings from 7 to 10 p. m. Atlantic standard time.

The new broadcaster, aided by local booster organizations, is aiming to show the world what Nova Scotia has in the way of talent and attractions for tourists and permanent residents. A wave length of 322.4 meters is employed.

WOR and WNYC Greet Byrd

NEW YORK.—Station WOR in conjunction with WNYC here, had the distinction of broadcasting the ceremony of welcome extended Lieutenant Commander Richard R. Byrd, which took place here, on Monday, June 21. Three states—New York, New Jersey and Virginia—participated in the welcome ceremonies and were represented by Governors Alfred E. Smith of New York, A. Harry Moore of New Jersey and Harry Flood Byrd of Virginia.

W. G. HAY BECOMES HEAD OF WGN, WLIB

"Bill" (W. G.) Hay

BILL HAY, whose real initials are W. G. and who has aptly been dubbed "the announcer who puts the English language in a dress suit," has been promoted to manager of WGN, the Chicago Tribune station, and WLIB, the Liberty Weekly broadcaster. And his friends, thousands of whom have twisted their dials to follow him from KFKX to WOK, thence to WGN and WLIB, are happy and congratulating him.

Bill was born in Dumfries, Scotland. This wee town was put on the map years and years ago by Bobbie Burns, whose poetry tells of its beauties. Bill remained in Scotland long enough to acquire three outstanding characteristics, namely, the burr in his voice which tells of bonnie Scotland, the habit of smoking a pipe inveterately, and the love of the grand old game of golf. Concerning his voice, ... well, everyone knows it. Concerning his pipe, we might remark that it is one of the most aromatic in Chicago. And concerning his golf we have nothing to say.

First Lived in Chicago

When Bill came to America about seventeen years ago, he went immediately to Chicago. He spent a considerable part of his time in the study of music, an experience which was destined to stand him in good stead in years to come.

Later Bill went to Hastings, Nebraska. Some time after this the Westinghouse Electric officials decided to open a high-power Radio station there and it was Bill who did the announcing. Now his musical experience proved immensely useful. He had been doing choral work and conducting the Hastings Lyric Glee club, and the Westinghouse officials decided that he was the man to take care of the programs of their new station. It was obvious shortly afterwards how well they had chosen. Night after night, some of the finest programs on the air emanated from KFKX, Hastings.

In less than three months the Hastings station and Bill Hay were known from coast to coast. Mail came from the four corners of the country, and Bill was the recipient of thousands of fan letters. The novelty of this station, hidden away in a small mid-western town, might have worn off but for the excellent quality of the programs. Bill maintained a high standard of entertainment. KFKX was one of the first stations to have a regular male and mixed quartet, and Bill was a member of each.

Has Been Doing Major Announcing

Since coming to WGN and to WLIB, Bill has been announcing all the regular features. It was he who did the announcing when WGN broadcast "The Miracle." He possesses a voice that lends itself to any kind of program presented. It is clear and dignified and very pleasing to the ear. Perhaps there is no type of program which Bill announces more effectively than the classical. And that may be the reason why WGN's classical programs have so great a depth of dignity and distinction. But schedules of so long and varied a type as WGN and WLIB present daily require versatility, and Bill is perfectly at home in announcing entertainment of a lighter nature.

Some listeners know, and some don't, that Bill Hay and "Auld Sandy," WGN's amiable Scotch entertainer, are one and the same. Twice a week "Auld Sandy" appears before the microphone in a sketch of Caledonian songs and stories, given in the dialect of old Scotland. And these are all the more delightful because of the brogue in which they are presented.

"BOSS" ERBSTEIN RAISES VET FUND

Will Stage Second Annual Radio Benefit for Forgotten Disabled Soldiers July 11

CHICAGO.—A great collection of Radio and stage stars will be gathered together on Sunday afternoon, July 11, at the Auditorium theater, here, when Charles E. Erbstein, former WTAS and WCEE owner and now announcing several programs over WLIB, stages his second annual Disabled Soldiers' benefit.

The program will consist of the leading artists of the different local stations as well as the stars of the current attractions playing at that time in Chicago. The entire receipts of this gala performance will be distributed among the different government hospitals to buy smokes for the men who are still under treatment resultant from the world war.

"No one," says the "boss" of the famous "Willie-Tommie-Annie-Sammie" station, "can appreciate the countless representatives of American young manhood still lingering between life and death at the Speedway hospital. Men without arms and legs, gassed and demented soldiers patiently waiting for the end—those valiant heroes who fought and bled at Flanders front—are pretty well forgotten by us who are too busy to even give them an occasional thought."

The "boss" will be the master of ceremonies the day of the performance. The price of admission is $2. It will, with the stars, be a $25 show. The "boss" will have his famous Boss' Own orchestra, under the direction of Fred Hamm, especially imported for the occasion.

McNAMEE AT POLO GOUNDS MIKE

When WEAF broadcasts the diamond sport from the Polo Grounds in New York, you can depend on it the Radio box looks something like this. Graham McNamee is addressing the "mike" at the right. Note the novel wire frame "fender" in front of it which keeps "Mac" from getting too close in exciting moments and blasting the microphone. To the left of McNamee with the headset on, is George McElrath, an "outside" operator for WEAF. McElrath in this picture bears a close resemblance to McNamee. At the extreme left is Howard Luttgens, another "outside" operator.

150 STATIONS FORM UNCONNECTED CHAIN

N. G. BAKER, KTNT OWNER, TELLS OF ORGANIZATION

American Broadcasters Association Co-operate for Toll Broadcasting Minus Land Wire Inter-Connection

MUSCATINE, Ia.—A new broadcasting "chain" to be what is declared the largest tie-up of stations in America, is promised by Norman G. Baker, of this city, owner of KTNT and president of the American Broadcasters. The new link will include 150 or more broadcasters.

Stations are not to be connected physically by telephone wires or by Radio relay, Mr. Baker explains. He frowns at the wire link method and maintains that listeners become annoyed at hearing the same identical program at fifteen to twenty-two places on the dials of their receivers. Each station will broadcast its own program, and the firms taking advantage of this system of advertising will be announced at the same hour and date from all stations in the chain.

"The American Broadcasters association fought bitterly against monopolizing the dials with simultaneous broadcasting," Mr. Baker states, "and we would not care to place our chain in operation on any plan that would interfere with the pleasure of the listeners."

He plans to make Muscatine, Iowa, headquarters for the organization.

WCCO Studies "Dead Spots" During Summer

Jansky and Sweet Hope to Perfect Transmission

MINNEAPOLIS.—The past month, July and August have been set aside by the engineers of the Gold Medal station, WCCO, for an intensive study of Radio transmission problems, with a view to still further improving the signal strength and quality of the Minneapolis-St. Paul broadcaster.

Radio broadcasting is still in its infancy, although most listeners seem to expect the infant to work with the efficiency of a full-grown man. Many of its problems are still unsolved, and tremendous advances may be expected within the next few years, or even months. Every large station, even those using experimentally as much power as fifty kilowatts, is troubled with "dead spots" and with marked irregularities in reception. So much seems to depend on special geographical conditions that general rules for improving transmission have a very limited application.

Prof. C. M. Jansky, Jr., of the electrical engineering department of the University of Minnesota, is devoting his full time during the three summer months to investigating the special transmission problems of WCCO, and Ray Sweet, chief engineer of the station, is directing the experimental work. A corps of observers throughout the northwest has been recruited, so that regular reception reports will be submitted from points where reception so far has been unsatisfactory.

Roxy Joins "Captain Jinks" For Two Weeks as Devil Dog

NEW YORK.—Major Samuel L. Rothafel, U. S. M. C. R., has been ordered to report to the Marine barracks at Quantico, Virginia, for active duty and two weeks training. Major Rothafel will leave July 2, and will return on July 19. Major Rothafel served in the regular Marine corps many many years ago on the U. S. S. Bancroft, before he came to New York and became prominently identified with theatrical activities.

On January 20, 1925, he was sworn in as Major in the Marine Corps Reserve personally by the Major General Commandant John A. Lejeune.

McGee to Arctic Again

WISCASSET, Me.—Paul McGee, of Mattoon, Ill., who was Radio operator for the recent MacMillan-McDonald arctic expedition, is again the honored amateur to make the arctic trip, this time with the MacMillan-Rawson expedition, which sailed from this port recently.

McGee perfected arrangements for two-way transmission and was on the arctic end of an interview which had been arranged with Commander E. F. McDonald of the S. S. Peary, while that ship was at Etah, Greenland.

WOOD to Be Remote Controlled

HUDSONVILLE, Mich.—Construction of a remotely controlled transmitting station for WOOD, Grand Rapids broadcaster, is proceeding here.

AN EVENING AT HOME WITH THE LISTENER IN
IN CENTRAL TIME

Call	Location	Met.	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday
AT9	Fort Bragg, N. C.	435	Silent	5:00- 6:00	Silent	Silent	Silent	7:00- 8:55	Silent
CFCA	Toronto, Ont.	356.9	Silent	5:00- 6:00	Silent	Silent	9:00-10:00	9:00-10:00	Silent
CFCN	Calgary, Alta.	356.9	11:00- 1:00	Silent	Silent	Silent	Silent	9:00-10:00	Silent
CJCA	Edmonton, Can.	434.5	10:00-12:00	8:30- 9:30	8:30-10:30	8:30- 9:00	7:00- 9:00	10:00-12:00	9:00-12:00
CKAC	Montreal, Que.	516.9	5:15-10:30	12:15- 3:45	Silent	5:15- 9:30	Silent	6:30- 7:30	Silent
CKCL	Toronto, Ont.	410.7	5:00- 6:00	1:00- 2:55	Silent	5:00- 9:50	Silent	5:00- 6:00	Silent
CKNC	Toronto, Ont.	356.9	6:00- 8:00	Silent	6:00- 9:00	Silent	Silent	Silent	Silent
CKY	Winnipeg, Man.	384.4	8:00-11:00	7:00-10:00	8:00-12:00	Silent	7:30-11:00	8:30-11:00	Silent
CNRO	Ottawa, Ont.	434.5	6:30-11:30	Silent	Silent	Silent	6:30-11:30	Silent	Silent
CYL	Mexico City, Mex.	480	Silent	9:24-10:54	Silent	9:24-10:54	Silent	Silent	9:24-10:54
CZE	Mexico City, Mex.	350	8:24- 9:24	Silent	8:24- 9:24	8:24- 9:24	8:24- 9:24	8:24- 9:24	8:24- 9:24
KDKA	Pittsburgh, Pa.	309.1	5:30- 8:55	3:00- 7:45	5:30- 8:55	5:30-11:35	5:30- 8:55	5:30-11:00	5:30-10:05
KFAB	Lincoln, Nebr.	340.7	5:30- 2:00	9:00-11:00	5:30-10:30	5:30-10:30	5:30-10:30	Silent	5:30-10:30
KFDM	Beaumont, Tex.	315.6	Silent	8:00- 9:00	Silent	8:00-10:00	Silent	Silent	8:00-10:00
KFH	Wichita, Kan.	267.7	7:00- 8:00	7:15- 8:15	7:00- 8:00	7:00- 8:00	7:00- 8:00	7:00- 8:00	7:00- 8:00
KFI	Los Angeles, Cal.	467	8:00- 5:00	6:00- 1:00	8:00- 1:00	8:00- 1:00	8:00- 1:00	8:00- 1:00	8:00- 1:00
KFJF	Okla. City, Okla.	260.7	6:00- 1:30	2:30-11:45	6:00-10:45	6:00-10:45	6:00-10:45	6:00-10:45	6:00-10:45
KFKX	Hastings, Nebr.	288.3	5:30- 6:30	Silent	5:30-11:00	5:30- 8:00	5:30-11:00	5:30- 8:00	5:30-11:00
KFNF	Shenandoah, Ia.	263	7:00-12:00	2:30- 8:30	7:00- 9:00	7:00- 9:00	7:00- 9:00	7:00- 9:00	7:00- 9:00
KFOA	Seattle, Wash.	454.3	11:30- 1:00	Silent	9:00-12:00	8:00- 1:00	9:00-12:00	Silent	8:00- 1:00
KFON	Long Beach, Cal.	232.4	8:30- 2:00	8:30-12:00	8:30- 2:00	8:30- 1:00	8:30- 1:00	8:30- 2:00	8:30- 2:00
KFQB	Fort Worth, Tex.	508.2	8:30- 9:30	3:00- 8:30	8:30- 9:30	8:30- 9:30	Silent	8:30- 9:30	8:30- 9:30
KFUO	St. Louis, Mo.	545.1	7:45- 8:45	9:15-10:15	8:00- 9:00	6:30- 7:30	9:15-10:15	Silent	9:30-10:30
KFVE	Univ'ty City, Mo.	240	9:15-10:15	Silent	9:15-10:15	9:15-10:15	9:15-10:15	Silent	9:15-10:15
KFWA	Ogden, Utah	260.7	10:00-12:00	Silent	10:00-12:00	Silent	10:00-12:00	Silent	10:00-12:00
KFWB	Hollywood, Calif.	252	8:30- 1:00	11:00- 1:00	8:30- 1:00	8:30- 1:00	8:30- 1:00	8:30- 1:00	8:30- 1:00
KFWI	San Francisco, Cal	226	Silent	10:00- 2:00	10:00- 2:00	Silent	10:00- 3:00	12:00- 2:00	10:00- 3:00
KFXF	Colorado Springs	250	10:00-12:00	Silent	9:30-11:30	9:30-11:30	Silent	10:00-12:00	10:00-12:00
KGO	Oakland, Calif.	361.2	10:10- 2:30	9:45-10:45	10:05-12:30	10:00- 2:00	Silent	10:00- 2:00	Silent
KGW	Portland, Ore.	491.5	8:00- 2:00	9:30-12:00	8:00- 2:00	8:00- 2:00	8:00- 1:00	8:00- 2:00	8:00- 2:00
KHJ	Los Angeles, Cal.	405.2	9:30-12:00	6:00-12:00	Silent	9:45-12:00	10:00-12:30	10:00-12:00	10:00-12:00
KIAF	Sihtipok, Minn.	421	Silent	4:00- 5:00	9:00-10:00	Silent	9:00-10:00	Silent	9:00-10:00
KJR	Seattle, Wash.	384.4	10:30-12:00	7:00-12:30	9:00-12:00	9:00-12:00	9:00-12:00	9:00- 2:00	9:00-12:00
KLDS	Independence Mo.	440.9	8:00- 9.00	6:30-10:00	Silent	8:00-11:59	Silent	8:00- 9:00	Silent
KLX	Oakland, Calif.	508.2	9:00- 9:30	Silent	8:30-12:00	9:00- 9:30	8:30-12:30	9:00- 9:30	8:30-12:30
KMA	Shenandoah, Ia.	252	6:00-11:00	4:00- 5:30	6:00-11:00	6:00-11:00	6:00-11:00	6:00-11:00	6:00-11:00
KMMJ	Clay Center, Nebr.	229	8:00- 9:00	8:45- 9:45	8:00- 9:00	8:00- 9:00	Silent	8:00- 9:00	8:00- 9:00
KMOX	St. Louis, Mo.	280.2	6:00-11:00	9:00-10:00	6:00-11:00	6:30-12:00	6:30-12:00	Silent	6:30-12:00
KNX	Hollywood, Cal.	336.9	8:00- 4:00	8:30-12:30	8:30- 2:00	8:30- 2:00	8:30- 2:00	8:30- 2:00	8:30- 2:00
KOA	Denver, Colo.	322.4	10:00-12:00	7:30- 9:45	7:30-11:15	7:30- 8:30	7:30- 1:00	7:30- 8:30	7:30-10:00
KOIL	Council Bluffs, Ia	278	7:00- 3:00	7:00-12:00	6:00-12:00	6:00-12:00	6:00- 7:15	6:00-12:00	7:00-12:00
KPO	SanFrancisco, Cal	428.3	8:30- 2:00	8:00-12:00	8:30- 1:00	8:30- 1:00	8:30- 1:00	8:30- 1:00	8:30- 2:00
KPRC	Houston, Texas	296.9	7:30-11:00	7:30-12:00	6:30-10:30	7:30-10:00	6 30-12:00	7:30-10:00	Silent
KPSN	Pasadena, Calif.	315.6	10:00-12:00	10:45-11:45	Silent	10:00-11:00	Silent	10:00-11:00	Silent
KSD	St. Louis, Mo.	545.1	7:00-10:00	5:15- 8:15	8:00-11:00	6:00- 9:30	6:00- 8:00	7:00- 9:00	7:00- 9:00
KSL	Salt Lake City, U	299.8	9:00-12:00	8:30-11:00	8:00-12:00	7:00- 9:00	8:30-12:00	8:30-12:00	8:30-11:00
KSO	Clarinda, Ia.	241.8	Silent	Silent	7:00- 8:00	8:00-11:30	7:00- 8:30	7:00- 9:00	7:00- 8:30
KTAB	Oakland, Calif.	240	Silent	9:45-11:15	10:00-12:00	10:00-12:00	10:00-12:00	10:00-12:00	10:00-12:00
KTBI	Los Angeles, Cal.	293.9	Silent	9:15-11:30	Silent	10:00-11:00	Silent	10:00-11:00	Silent
KTCL	Seattle, Wash.	305.9	Silent	8:10-11:10	9:00-10:00	10:00-11:00	Silent	Silent	9:00- 2:00
KTHS	Hot Springs, Ark.	374.8	9:00-11:15	9:00-11:30	9:00-12:15	Silent	Silent	9:00-10:30	9:00-11:00
KTW	Seattle, Wash.	455	Silent	9:00-11:30	Silent	Silent	Silent	8:00- 9:30	Silent
KWKH	Shreveport, La.	329.5	9:00-12:00	7:00-11:00	10:00-11:30	9:00-12:00	Silent	8:00- 9:30	Silent
KWWG	Brownsville, Tex.	278	6:00- 7:00	Silent	8:30- 9:30	6:00- 7:00	6:00- 7:00	6:00- 7:00	6:00- 7:00
KYW	Chicago, Ill.	535.4	5:30-11:00	3:30-10:00	Silent	5:30-10:30	5:30-11:00	5:30-10:30	5:30-11:00
NAA	Radio, Va.	434.5	Silent	Silent	6:45- 7:00	7:30- 8:30	Silent	Silent	Silent
PWX	Havana, Cuba	400	7:30-10:00	7:00- 9:15	7:30-10:00	7:30-10:30	7:00- 9:15	Silent	Silent
WADC	Akron, Ohio	258	5:30- 6:30	5:30- 6:30	5:30- 1:00	5:30-10:00	5:30- 6:30	5:30- 9:00	5:30-10:00
WAHG	Richmond, N. Y.	315.6	10:00-12:00	Silent	5:30-12:00	Silent	5:30-10:00	Silent	6:00- 9:00
WAIU	Columbus, Ohio	293.9	8:15-10:00	2:00- 3:00	5:00-10:30	5:00-11:00	5:00- 6:00	5:00- 6:00	5:00-11:00
WAMD	Minneapolis, Minn	244	6:15-10:30	6:15-10:30	7:00-12:00	Silent	7:00-12:00	6:15-12:00	6:15-12:00
WBAL	Baltimore, Md.	246	Silent	6:30- 7:30	5:30-10:00	5:30-10:00	Silent	5:30-10:00	5:30-10:00
WBAP	Fort Worth, Tex.	475.9	7:30-11:00	5:00-11:00	7:30-12:00	7:30-11:00	Silent	7:30-12:00	7:30-12:00
WBAR	Sisiht, Wis.	406	Silent	10:00-11:00	9:00-10:00	Silent	8:00- 9:00	7:30- 8:30	Silent
WBBM	Chicago, Ill.	226	7:00- 1:00	3:00- 1:00	5:00- 6:00	7:00-11:00	7:00- 1:00	7:00-11:00	7:00- 9:00
WBBR	StatenIsland, N.Y	272.6	6:00- 8:00	7:00- 8:15	6:00- 7:00	Silent	Silent	6:00- 7:00	Silent
WBCN	Chicago, Ill.	266	8:00-12:00	4:00-11:00	Silent	8:00-12:00	7:00-11:00	8:00- 1:00	8:00-12:00
WBZ	Springfield, Mass.	333.1	5:15- 8:00	4:00- 7:00	5:00- 9:00	5:15- 9:00	5:00- 9:00	5:00- 9:00	5:00- 9:00
WCAE	Pittsburgh, Pa.	461.3	4:30- 7:30	3:00- 8:15	6:00-10:05	6:00-10:05	6:00- 9:00	6:00-10:00	6:00-10:00
WCAP	Washington, D.C.	468.5	Silent	3:00- 7:45	5:30- 9:00	Silent	5:30- 9:00	Silent	5:30-11:00
WCAU	Philadelphia, Pa.	278	Silent	3:00- 9:00	5:30- 9:00	4:30- 9:30	5:30-10:00	4:30-10:30	4:45- 9:30
WCBD	Zion, Ill.	344.6	Silent	7:00- 9:30	Silent	7:00- 9:30	Silent	7:00- 9:30	Silent
WCCO	Minn.-St.P.,Minn.	416.4	6:15-11:05	4:10-10:35	6:15-10:00	6:00-10:30	6:00-12:30	6:15-11:05	6:15-11:05
WCOA	Pensacola, Fla.	222	Silent	Silent	7:00- 9:00	Silent	7:00- 9:00	Silent	7:00- 9:00
WCX	Detroit, Mich.	516.9	5:00- 6:00	6:15- 7:15	5:00- 8:00	5:00- 1:00	5:00- 8:00	5:00- 8:00	5:00- 9:00
WDAF	Kansas City, Mo.	365.6	6:00- 1:00	4:00- 4:45	6:00- 1:00	6:00- 1:00	6:00- 1:00	6:00- 1:00	6:00- 1:00
WDWF	Providence, R.I.	440.9	Silent	Silent	Silent	5:45- 6:00	5:25- 6:40	5:45- 6:00	5:45- 6:00
WEAF	New York, N.Y.	491.5	4:00-10:00	1:00- 8:15	4:00-10:00	4:00-10:00	4:00-10:00	4:00-10:00	4:00-10:00
WEAN	Providence, R.I.	270.1	4:30- 8:30	5:30- 6:45	4:30- 8:30	4:30- 8:30	4:30- 8:30	4:30- 8:30	Silent
WEAO	Columbus, Ohio	293.9	Silent	Silent	Silent	6:00- 8:00	7:00- 8:00	7:00-10:00	Silent
WEBH	Chicago, Ill.	370.2	6:00- 1:00	4:00- 8:00	Silent	6:00-11:30	6:00-11:30	6:00-11:30	6:00-11:30
WEBJ	New York, N.Y.	272.6	Silent	Silent	Silent	6:00- 8:00	6:00- 8:00	Silent	6:00- 7:00
WEEI	Boston, Mass.	348.6	Silent	4:00- 8:15	4:45- 9:30	5:30- 9:30	4:13- 9:00	5:30- 9:00	5:30- 9:00
WENR	Chicago, Ill.	265.3	5:00- 1:00	1:00-11:00	Silent	5:00- 9:00	6:00- 1:00	5:00- 9:00	5:00- 1:00
WFAA	Dallas, Texas	475.9	6:30-12:00	7:15-12:00	6:30- 9:30	6:30-12:00	Silent	6:30- 9:30	6:30- 9:30
WFBH	New York, N.Y.	272.6	9:30-12:00	3:00- 6:00	9:30-12:00	9:30-12:00	9:30-12:00	9:30-12:00	9:30-12:00
WFI	Philadelphia, Pa.	394.5	4:30-10:00	2:30- 3:30	5:00- 6:00	4:30- 9:30	5:00- 6:00	4:30- 9:00	5:00- 6:00
WGBF	Evansville, Ind.	236.1	Silent	Silent	Silent	7:15-10:00	Silent	Silent	7:00- 8:00
WGBS	New York, N.Y.	315.6	4:00- 9:30	6:00- 7:00	5:00- 5:15	4:00- 9:30	4:00- 6:30	4:00- 6:45	Silent
WGBU	Fulford, Fla.	278	5:30-12:00	8:30-11:00	5:30-12:00	5:30-12:00	5:30-12:00	5:30-12:00	5:30-12:00
WGCP	New York, N.Y.	252	6:30-10:00	1:00- 4:00	7:00- 9:30	Silent	5:00- 7:15	8:30-11:00	5:00- 7:10
WGES	Chicago, Ill.	250	4:00-12:00	4:00-12:00	Silent	4:00-12:00	4:00-12:00	4:00-12:00	4:00-12:00
WGHB	Clearwater, Fla.	266	Silent	Silent	7:30- 9:00	Silent	7:30- 9:00	Silent	7:30- 9:00
WGHP	Detroit, Mich.	270	Silent	Silent	5:00-12:00	5:00-12:00	5:00-12:00	5:00-12:00	5:00-12:00
WGN	Chicago, Ill.	302.8	5:45-10:00	2:00-10:00	Silent	5:45-10:00	5:45-11:30	5:45-10:00	5:45-10:00
WGR	Buffalo, N. Y.	319	Silent	4:00- 8:15	4:30-10:00	4:30- 7:00	4:30-10:00	4:30- 8:00	4:30-10:00
WGY	Schenectady, N.Y.	379.5	5:30- 9:30	2:30- 9:00	4:30- 8:00	4:30- 8:30	4:30- 8:00	4:30-10:30	4:30-10:30
WHAD	Milwaukee, Wis.	275.1	Silent	3:15- 4:15	6:15-10:00	6:15- 7:00	6:15-12:30	6:15- 7:00	6:15-10:00
WHAR	AtlanticCity, N.J.	275.1	5:30- 7:00	5:50- 8:00	5:30-10:00	5:30- 7:00	Silent	5:30-10:00	5:30- 7:00
WHAS	Louisville, Ky.	399.8	7:30- 9:00	4:30- 5:30	Silent	7:30- 9:30	7:30- 9:00	7:30- 9:00	7:30- 9:00
WHAZ	Troy, N.Y.	379.5	Silent	Silent	8:00-11:00	Silent	Silent	Silent	Silent
WHB	Kansas City, Mo.	365.6	Silent	8:00- 1:00	7:00- 8:00	7:00-10:00	7:00- 8:00	7:00-10:00	7:00- 8:00
WHN	New York, N.Y.	361.2	Silent	1:00-10:30	4:30-10:30	4:00-11:00	4:00-11:00	4:00-11:00	4:00-11:00
WHO	Des Moines, Ia.	526	Silent	5:00-12:00	7:30-12:00	7:30-12:00	6:00-12:00	7:30-12:00	7:30-12:00
WHT	Chicago, Ill.	399.8	6:00-12:00	11:00- 9:30	Silent	6:00-12:00	6:00-12:00	6:00-12:00	6:00-12:00
WIBO	Chicago, Ill.	226	5:00- 7:00	5:00-11:00	Silent	5:00- 1:00	5:00-11:00	5:00- 1:00	5:00- 1:00
WIP	Philadelphia, Pa.	508.2	6:15-10:05	5:15- 6:15	4:05- 6:00	4:05- 9:30	4:05- 6:00	4:05-10:00	4:05- 6:00
WJAR	Providence, R. I.	305.9	Silent	4:00- 8:15	5:45- 9:00	5:30- 8:00	5:30- 9:00	5:45- 9:00	5:45- 8:30
WJAS	Pittsburgh, Pa.	275.3	6:00-11:00	Silent	6:00-11:00	6:00-11:00	6:00- 1:00	6:00-11:00	6:00-11:00
WJAX	Jacksonville, Fla.	336.9	7:00- 9:00	6:30- 7:30	7:00- 9:00	7:00-11:00	7:00- 9:00	7:00-11:00	7:00- 9:00
WJAZ	Chicago, Ill.	329.5	8:00-12:00	6:00- 8:00	Silent	8:00-11:00	8:00-11:00	8:00-11:00	8:00-11:00
WJJD	Mooseheart, Ill.	370.2	4:30-12:00	2:00- 3:00	Silent	4:30-12:00	4:30-12:00	4:30-12:00	4:30-12:00
WJR	Pontiac, Mich.	516.9	6:00-11:30	Silent	6:00-11:30	6:00- 9:00	6:00-11:00	6:00-10:00	6:00- 9:30
WJZ	New York, N.Y.	454.3	5:00- 8:25	5:00- 9:00	5:00- 9:45	5:00- 9:10	5:00- 9:30	5:00- 9:30	5:00-10:00
WKAQ	San Juan, P. R.	340.7	Silent	Silent	6:30- 8:00	Silent	6:00- 8:00	Silent	6:00- 8:00
WKRC	Cincinnati, Ohio	422.3	9:00-10:15	4:45-10:15	4:00-11:00	8:00-10:45	4:00-11:00	8:00-10:15	Silent
WLIB	Chicago, Ill.	302.8	6:00-11:30	4:00- 5:15	Silent	6:00-11:30	6:00-11:30	6:00-11:30	6:00-11:30
WLIT	Philadelphia, Pa.	394.5	5:30- 6:30	4:30-6:00	6:15- 8:45	5:50- 6:50	6:00- 9:00	5:30- 6:30	7:30-11:00
WLS	Chicago, Ill.	344.6	6:30-11:00	5:00- 6:55	Silent	5:40- 6:55	5:40-12:00	5:40- 6:55	5:40-10:00
WLW	Cincinnati, Ohio	422.3	6:00- 9:00	3:00- 8:30	6:00-10:00	5:00- 9:00	6:00-11:00	6:00-12:15	Silent
WLWL	New York, N.Y.	288.3	Silent	5:00- 6:00	6:00- 8:00	Silent	Silent	6:00- 8:00	Silent
WMAK	Lockport, N.Y.	265.5	4:15- 9:00	5:30- 6:30	5:30- 9:00	4:15- 5:15	5:30- 8:00	5:15- 6:00	Silent
WMAQ	Chicago, Ill.	447.5	5:00- 9:00	Silent	Silent	5:00- 8:55	5:00- 8:55	5:00- 8:00	5:00- 8:55
WMAZ	Macon, Ga.	260.7	Silent	Silent	9:00-10:00	7:00- 8:00	10:00-11:00	9:00-10:00	7:00-10:00
WMBB	Chicago, Ill.	250	6:00-10:00	2:00-10:00	Silent	6:00-10:00	6:00-10:00	6:00-10:00	6:00-10:00
WMBF	Miami Beach, Fla	384.4	6:00-12:00	6:00-12:00	6:00-12:00	6:00-12:00	6:00-12:00	6:00-12:00	6:00-12:00
WMC	Memphis, Tenn.	499.7	7:15- 9:30	Silent	7:15- 9:00	7:15-12:00	Silent	7:15- 9:45	7:15-12:00
WMCA	New York, N.Y.	340.7	7:00-11:00	5:00- 8:00	7:00-10:00	6:00-10:00	7:00-10:00	7:00-10:00	6:00- 9:45
WNAC	Boston, Mass.	280.2	4:00- 9:00	1:15- 6:45	4:30- 8:45	4:00- 7:00	4:00- 8:00	4:00- 7:00	4:00- 9:00
WNYC	New York, N.Y.	526	5:00- 8:30	7:00- 9:00	5:35- 8:30	5:10- 9:30	5:30- 8:30	5:30- 8:30	5:20- 8:30
WOAI	San Antonio, Tex.	394.5	Silent	7:30-10:30	Silent	8:30-10:30	8:30- 9:30	Silent	8:30- 9:30
WOAN	Lawrenceb'g, Tenn	282.8	Silent	9:00-10:00	9:00- 1:30	9:00-10:00	9:00-10:00	9:00-10:00	9:00-10:00
WOAW	Omaha, Nebr.	526	6:00-12:00	6:00- 9:00	6:00-11:00	6:00- 1:00	Silent	6:00- 1:00	6:00-11:15
WOAX	Trenton, N. J.	240	Silent	7:30- 9:30	Silent	Silent	Silent	Silent	Silent
WOC	Davenport, Iowa	483.6	9:00-10:00	6:30-11:30	Silent	6:00-10:00	6:00-10:30	6:00-12:00	7:30-11:00
WOI	Ames, Ia.	270.1	Silent	Silent	Silent	Silent	Silent	7:05- 8:30	Silent
WOK	Homewood, Ill.	217.3	9:00-12:00	6:00-12:00	Silent	9:00-12:30	9:00-12:30	9:00-12:30	9:00-12:30
WOO	Philadelphia, Pa.	508.2	5:30- 6:30	1:00- 5:00	5:30-10:00	5:30- 6:30	5:30- 9:30	5:30- 6:30	5:30- 9:30
WOOD	Grand Rpds, Mich	242	9:00-12:00	Silent	9:00- 1:00	9:00-12:00	9:00-12:00	Silent	9:00-12:00
WOQ	Kansas City, Mo.	278	8:00-11:00	7:00- 7:45	Silent	8:00- 9:00	Silent	7:00- 9:00	Silent
WOR	Newark, N. J.	405.2	4:15-10:00	Silent	4:15-10:00	4:15- 6:00	4:15- 9:30	4:15- 6:20	4:15- 6:00
WORD	Batavia, Ill.	275	6:00- 9:25	1:30- 9:00	Silent	6:00-11:45	6:00-11:00	7:00- 9:00	6:00-11:45
WOS	JeffersonCity, Mo.	440.9	Silent	5:00- 8:30	8:00-10:00	Silent	8:00-10:00	Silent	8:00-10:00
WPG	Atlantic City, N.J.	299.8	4:45-10:00	1:15- 9:00	4:45-10:00	4:45-10:00	Silent	4:45-10:00	4:45-10:00
WQJ	Chicago, Ill.	447.5	6:00- 2:00	2:00- 9:00	Silent	6:00- 1:00	6:00- 1:00	6:00- 1:00	6:00- 1:00
WRC	Washington, D.C.	468.5	6:00-11:00	Silent	Silent	6:00-10:30	Silent	6:00-11:30	Silent
WREO	Lansing, Mich.	285.5	5:00-11:00	6:00- 7:00	5:00- 6:00	5:00- 8:15	5:00- 6:00	5:30-11:30	Silent
WRVA	Richmond, Va.	256	Silent	Silent	7:00-10:00	10:00-12:00	7:00-10:00	7:00-10:00	6:00-10:00
WRW	Tarrytown, N.Y.	273	6:00- 9:30	6:00- 9:30	7:00- 9:30	7:00- 9:30	7:00- 9:30	7:00- 9:30	7:00- 9:30
WSAI	Cincinnati, Ohio	325.9	7:00-11:00	6:45- 8:45	9:00-11:00	6:00- 9:00	6:00-10:00	6:15- 9:00	Silent
WSB	Atlanta, Ga.	428.3	8:00-12:00	7:30- 9:15	8:00-12:00	8:00-12:00	10:45-12:00	8:00-12:00	8:00-12:00
WSBC	Chicago, Ill.	209.7	5:30- 3:00	5:30-12:00	5:30- 6:00	5:30-12:00	5:30-12:00	5:30-12:00	5:30-12:00
WSM	Nashville, Tenn.	282.2	7:00-11:00	7:30- 9:00	7:00- 9:00	7:45- 9:00	7:00-11:00	Silent	7:00-11:00
WSMB	New Orleans, La.	319	9:30-11:30	Silent	9:30-11:30	Silent	9:30-11:30	9:30-11:30	Silent
WSUI	Iowa City, Iowa	483.6	Silent	9:15- 9:45	7:30- 8:30	Silent	7:45- 8:45	Silent	Silent
WSWS	Chicago, Ill.	275.1	5:00-10:00	5:00-10:00	Silent	5:00-10:00	5:00-10:00	5:00-11:00	5:00-11:00
WTAG	Worcester, Mass.	268	Silent	2:00- 8:15	5:00- 9:00	5:45- 9:00	5:40- 9:00	6:00- 9:00	6:15- 8:30
WTAM	Cleveland, Ohio	389.4	5:00-11:00	Silent	5:00-12:00	5:00- 6:00	5:00-12:00	5:00- 6:00	5:00- 6:00
WTIC	Hartford, Conn.	475.9	5:30-11:00	4:00- 9:30	5:50-11:00	Silent	5:30- 9:30	5:30- 6:30	5:30-11:00
WWJ	Detroit, Mich.	352.7	Silent	1:00- 8:15	5:00- 9:00	5:00- 7:00	5:00- 9:00	5:00-11:30	5:00- 9:00

STATIONS IN ORDER OF WAVE LENGTHS

Meters	Call	Meters	Call	Meters	Call	Meters	Call	Meters	Call	Meters	Call
209.7	WSBC	263	KFNF	282.8	WSM	336.9	WJAX	394.5	WOAI	467	KFI
217.3	WOK	265.6	WBCN	285.5	WREO	340.7	KFAB	399.8	WHAS	468.5	WCAP
222	WCOA	265.6	WENR	288.3	KFKX	340.7	WKAQ	399.8	WHT	468.5	WRC
226	KFWI	265.6	WGHB	288.3	WLWL	340.7	WMCA	400	PWX	475.9	WBAP
226	WBBM	265.6	WMAK	293.9	KTBI	344.6	WCBD	405.2	KHJ	475.9	WTIC
226	WIBO	268	KFH	293.9	WAIU	344.6	WLS	405.2	WOR	475.9	WFAA
229	KMMJ	268	WTAG	293.9	WEAO	348.6	WEEI	406	WBAR	480	CYL
232.4	KFON	270.1	WEAN	296.9	KPRC	350	CZE	410.7	CKAC	483.6	WOC
236.1	WGBF	270.1	WGHP	299.8	KSL	352.7	WWJ	416.4	WCCO	483.6	WSUI
240	KFVE	270.1	WOI	299.8	WPG	356.9	CFCA	421	KIAF	491.5	KGW
240	KTAB	272.6	WBBR	302.8	WGN	356.9	CKCL	422.3	WLW	491.5	WEAF
240	WOAX	272.6	WEBJ	302.8	WLIB	356.9	CKNC	422.3	WKRC	499.7	WMC
242	KSO	272.6	WFBH	305.9	KTCL	361.2	KGO	428.3	WSB	502.8	KFQB
242	WOOD	273	WRW	305.9	WJAR	361.2	WHN	428.3	KPO	508.2	KLX
244	WAMD	275.1	WHAD	309.1	KDKA	365.6	WDAF	434.5	CNRO	508.2	WIP
246	WBAL	275.1	WHAR	315.6	KFDM	365.6	WHB	434.5	CFCN	508.2	WOO
250	KFXF	275.1	WORD	315.6	KPSN	370.2	WEBH	434.5	NAA	516.9	CJCA
250	WGES	275.1	WSWS	315.6	WAHG	370.2	WJJD	435	AT9	516.9	WCX
250	WMBB	275.3	WJAS	315.6	WGBS	374.8	KTHS	440.9	KLDS	516.9	WJR
252	KFWB	278	KOIL	319	WGR	379.5	WGY	440.9	WDWF	526	WHO
252	KMA	278	KWWG	319	WSMB	379.5	WHAZ	440.9	WOS	526	WNYC
252	WGCP	278	WCAU	322.4	KOA	384.4	CKY	447.5	WMAQ	526	WOAW
256	WRVA	278	WGBU	325.9	WSAI	384.4	KJR	447.5	WQJ	535.4	KYW
258	WADC	278	WOQ	329.5	KWKH	384.4	WMBF	454.3	KFOA	545.1	KFUO
260.7	KFWA	280.2	KMOX	329.5	WJAZ	389.4	WTAM	454.3	WJZ	545.1	KSD
260.7	KFJF	280.2	WNAC	333.1	WBZ	394.5	WFI	455	KTW		
260.7	WMAZ	282.8	WOAN	336.9	KNX	394.5	WLIT	461.3	WCAE		

SHORT WAVES
By Marcella

(Continued from page 2)

the air from WLIB. He is announcing Fred Hamm's orchestra and is the same as ever—ha, ha.

* *

The Ray-O-Vac Twins, "M. J.," made their last appearance for a month at WFAA, Dallas, on June 26. They are on a vacation, but will be back touring the stations again in August. Yes, both are married. Both sing, but Russell Wildey is the pianist. Both are natives of Chicago, still young, of medium build, and have dark complexions and hair.

* *

To forestall many questions, I will give you the news about "Little" Jack Little, who is now on vacation until October. His last appearance on the air this summer was on June 7, at WSAI, where he helped with a dedication program. He will spend his summer in rehearsal of a larger repertoire of programs and in trying to write several song hits. For the benefit of "Betty," I will repeat the Bertillon of Jack: 5 feet 3 inches up, little in weight as well as name, good looking; 25 years old or maybe 26 by now, happily married, birthplace Waterloo, Iowa.

* *

Ralph Emerson, popular WLS organist, caused lots of trouble when he played that organ duet marriage sketch with Grace Clark. No, "E. B. L.," "F. L. S." and "Mrs. B. M. V.," that was not a real ceremony. He and Grace just did it to entertain you. The next stunt, which they may have done by the time this reaches your hands, is a divorce sketch. Ralph is a died-in-the-wool bachelor of 30 years, thus differing from Ford and Glenn who are both benedicts. Ralph is blue eyed, inclined to be blond, 185 pounds in weight and 5 feet 10 inches tall. Incidentally, I have here an announcement of the marriage of Miss Helen McLeod of Missoula, Montana, to David Dudley Richards, who happens to be assistant director of WLS and announces ofttimes when Announcer Donald Malin is not on duty.

* *

Speaking of marriages and the usual run of things, William C. Stoess, who announces at WLW with Louis J. Johnen, became a father several weeks ago. His wife was formerly studio accompanist at the Crosley station.

* *

All sorts of news, yes indeed. For instance, "Roxy" Rothafel, whose Capitol theater announcing and "gang's" program over WEAF made him famous, is to spend the first two weeks in July at the training camp of the Marines at Quantico, Va. Roxy is now a major in the U. S. Marine Corps Reserve. During the Boxer rebellion in China he served for seven years in the Marines with rank of Corporal.

* *

Clyde Hager, I repeat for "Wilma," is now announcing at KFQZ, Hollywood, Calif. Glad, Wilma, that you have discovered the hiding place of Gene Rouse. "W. S." hasn't been so fortunate. To him I will advise tuning between 340 and 400 meters, east of Omaha, at a large station.

* *

Herbie Mintz has been handling the afternoon programs at WENR, Chicago, until recently, but now is on his way to Europe with his wife for a tour of the old country. Tune in England, "Lillian." The other announcer you hear at WJAZ is probably Ralph H. G. Mathews. The organ concerts of the Uptown theater broadcast by WEBH are announced by Carl F. Strodel.

* *

Why "Alice," if you've got it as bad as your letter indicates, you'd better hike over to WGR and look up "Pat and Moe." Really, Pat is very good looking and young, according to his picture, and I imagine Moe likewise is attractive. And then—both are single! Pat or Kenneth Fickett is WGR's chief announcer. He's tall, very blond, blue eyed, handsome featured, has a light complexion, is square shouldered, and wears his clothes well. His native home is Rochester, N. Y. Moe or Lester Erlenbach, director of Erlenbach orchestras, is director in charge of the afternoon program broadcast from WGR under the auspices of the Buffalo Radio Trades association. He is curly locked, darker in complexion than Pat, and musical to his finger tips. His native home is Buffalo. The "Pat and Moe" sketch you have heard is also known by the name of "The Journeyman Plumbers." It is a chatty song and fun making recess in an otherwise classical program. The new announcer you have observed is Mr. Hardy, second announcer, whose native home is in Virginia. He also spent six years in Boston, prior to moving to Buffalo, hence his "cutest little accent" which you admire. Mr. Hardy is rather short, has dark hair and blue eyes, and weighs about 140 pounds. There you are. Now visit the studio.

* *

Facts regarding Miss Ruth Paterson, of KPRC, are earnestly requested by "Harold" from Indiana. Harold, I'm sure you'd fall in love with her disposition and beauty once you saw her. Ruth is one of a large family of natural blondes from Chicago. Has the gloriously full and resonant soprano voice so essential to concert work and church soloist that she is. She smiles all the time, drives a high powered car, and for a hobby spends her spare time at the bayshore motoring and swimming. She loves to dress in white, which becomes her so perfectly, and her wardrobe includes some of the most spotlessly white apparel imaginable—sport suits, evening gowns and the like, all of moonlight, shimmering materials. But her eyes are NOT blue, instead they are a most wonderful light brown, a shade so unusual for a blonde type. As for her age, I dare not guess such sacred things, but will say that she is past the flapper age and not yet a bachelor maid. So there!

(Continued on page 27)

FISHERMEN AND ALL SPORT FANS—READ

HERE'S SUGGESTED RATION LIST FOR THE BIG TRIP

Also WQJ's Helen Harrington Downing Tells You How to Fry Three Good Things

By Helen Harrington Downing
Director of Day Programs at WQJ

THE season is fast approaching for the camper to start on the annual summer tour and camping trip. Sky and earth both conspire to lure the lover of outdoor into the open, and many plans are now being made for motor trips. Some few people prefer to stop at the hotels along the way, but many enjoy going in a well-equipped touring car with camping outfit and the necessary food supplies to camp near a lake for a day or two.

Of course, if women are included in the camping party, the planning of the lunch is left to them, but not infrequently four or five men like to go on a fishing trip by themselves and try their own hand at preparing meals. When this is the case a few suggestions are usually appreciated in making the list of necessary supplies. Following the several recipes I am going to recommend, is a suggested two weeks' food supply for four people.

Griddle cakes baked in the open seem to have particularly fine flavor, as well as hamburger meat cakes with onion, so here are recipes for both:

Griddle Cakes

Required: 3 cups flour, 3 level teaspoons Calumet baking powder, ½ level teaspoon salt, ¼ cup sugar, 2 cups milk, 2 eggs, 2 tablespoons melted butter.

Method: Sift flour, measure, then sift three times together with the baking powder, salt and sugar. Beat egg, add milk, and pour slowly into first mixture. Beat thoroughly, and add butter. Drop by spoonfuls on a greased hot griddle. Bake on other side. Serve with butter and maple syrup.

Hamburger Meat Surprises

Required: 2 pounds hamburger, 4 tablespoons water, 4 level teaspoons Calumet baking powder, 1 small onion (cut fine).

Method: Mix all together and shape into flat cakes. Cook until brown in two or three tablespoons of fat in a hot frying pan.

Fried Biscuits

Required: 2 cups flour, 2 level teaspoons Calumet baking powder, ½ level teaspoon salt, 2 tablespoons shortening, ¾ cup milk.

Method: Sift flour and then measure. Add salt and baking powder and sift all together three times. Mix in shortening with a knife or fingers. Add milk gradually. Mix lightly. Roll out ½-inch thick on floured board and cut into rolls. Have griddle or frying pan well greased and hot. Then lower heat. Brown on one side, then turn and brown on the other. Time for cooking, 7 to 10 minutes. Makes fourteen biscuits.

Two Weeks' Food Supply for Four

The following list is offered as a help in shopping to those persons wishing to assemble rations suitable for two weeks' food supply for four people. The same list can, of course, be used as a basis for figuring the amount of food needed by two, six, eight or more people on a one, two, three, four or more week's trip. Unless one is going into the wilderness, however, certain of the supplies can be replenished from week to week:

Dry Staple Foods: 10 lbs. flour, 10 lbs. sugar, 1 box salt, 1 box pepper, 2 lbs. coffee, ½ lb. tea, 2 lbs. powdered milk, 1 lb. Calumet baking powder, ½ lb. cocoa, 1 pkg. powdered sugar, 1 pkg. minute tapioca.

Cereals: 2 pkg. corn flakes, 1 pkg. shredded wheat.

Dried Fruits and Vegetables: 1 pkg. raisins, 1 lb. prunes, 1 lb. apricots, 2 envelopes each of dehydrated spinach, beets, carrots, potatoes, and onions.

Meat: Fresh meat for the first few days, 1 side of bacon, 5 to 6 lbs. ham—butt end, chipped beef, wieners, 1 baked ham, 2½-lb. pail lard.

Butter and Eggs: Obtain fresh at last point possible.

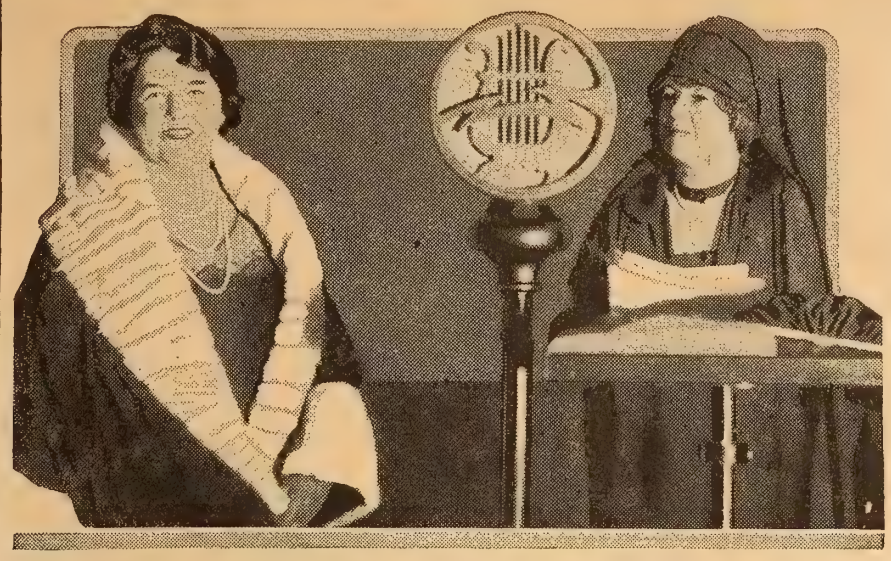
Canned Foods: 6 pts. condensed milk, 6 cans tomato soup, 6 cans corned beef hash, 6 cans baked beans, 6 cans chili con carne, 2 cans tomatoes, 1 bottle prepared mustard, 1 pt. pickles, 2 bottles chili sauce, 6 cans peas, 6 cans of corn, etc., 6 cans fruit.

Fresh Vegetables and Fruits: Potatoes, cabbage, lettuce, lemons, oranges, apples, bananas, and many other fresh fruits and vegetables that will keep for first few days. Some, such as cabbage, will keep for two weeks if iced.

Miscellaneous: 1 pt. vinegar, 2 pkgs. cookies, 12 glasses jam and jelly, 1 qt. homemade (or bottled) salad dressing, 2 lbs. cheese, 2 lbs. crackers, bread and buns.

And Don't Forget: Matches, candles, paper plates, paper napkins, paper drinking cups.

CONGRESSWOMEN DEBATE AT WRC



Not long ago women were not thought of in terms of the senate or house of representatives. Now—well, here are Mary E. Norton (left), of N. J., and Edith N. Rogers, of Mass., both members of the house of representatives, as they appeared prior to a political debate at Station WRC, Washington.

The Reader's View

More Flowers for the Hired Hand

Down there in the great open spaces of Texas he stands. Modest, retiring, cringing that he is, he doffs slowly his ten-gallon hat, gazes sheepishly into it, and thinks, "would that I could crawl into your crown and so hide forever from the admiring eyes of the world. My lot is most unfair."

His watch tells him it is program time. This brings a heavy sigh as he realizes he must again leave his beloved open spaces and submit to the ogling of mankind. He mounts the steps of the Star-Telegram plant. Just as he suspected, ogling eyes are waiting to devour him in front of the WBAP studio. The young Texan drops to his haunches, grasps a flannel cloth kept handily by for no other purpose, and starts massaging the floor, slowly working his way into the studio, janitor like.

Yes, he must take the air. There is no other course or recourse. The studio clock demands it. He slinks to the microphone, snarling noiselessly. At first his voice doesn't come, but it's so used to it that finally it does, and the young Texan whispers:

"Please, if you do not mind, I will announce the program. And about that contest—I withdraw my name as a candidate—do you all hear me—you in Canada—you in Hawaii—you in Kansas—do you all understand—I withdraw my name in this contest to pick the most popular announcer in the world. If you vote for me

(Continued on page 26)

WOMEN'S PROGRAMS INDEX

Monday

Atlantic Eastern Central Mountain Pacific
10:30 a.m. 9:30 8:30 7:30 6:30
WWJ (352.7m-850kc), Tonight's dinner.

10:45 9:45 8:45 7:45 6:45
WTAG (268m-1120kc), Marjorie Woodman, nurse.
11:50 10:50 9:50 8:50 7:50
WMC (499.7m-600kc), Home economics discussion, Miss Kitty.

12 n. 11 10 9 8
WEAO (293.9m-1020kc), Housekeepers' half hour.
WEAR (389.4m-770kc), Home service talk.
WHT (399.8m-750kc) Women's club, Jean Sargent.
WQJ (447.5m-670kc), Home Economics program,
WSWS (275.8m-1090kc), Style shop.
12:30 p.m. 11:30 10:30 9:30 8:30
WEBH (370.2m-810kc), Fashion and household talks.
WGBF (236.1m-1270kc), Cooking instructions.
WGN (302.8m-990kc), Home Management period.
WTIC (475.9m-630kc), Housewife's forum.

12:35 11:35 10:35 9:35 8:35
KYW (535.4m-560kc), Table talk.

1:45 12:45 11:45 10:45 9:45
KGW (491.5m-610kc), Household helps.

2 1 12 n. 11 10
WSOE (245.8m-1220kc), Ladies' hour.

2:20 1:20 12:20 11:20 10:20
WGBF (236.1m-1270kc), Garden talk.

2:45 1:45 12:45 11:45 10:45
WQJ (447.5m-670kc), Home economics.

3:30 2:30 1:30 12:30 11:30
KFNF (263m-1140kc), Mothers' hour.

4 3 2 1 12 n.
WCCO (416.4m-720kc), Women's hour.
WSOE (246m-1220kc), Cooking chats.
WHB (365.6m-820kc), Ladies' hour.
WIP (508.2m-590kc), Market hints for housewives.
WJZ (454.3m-660kc), "Your Daily Menu."

5 4 3 2 1
WOC (483.6m-620kc), Home management schedule, Aunt Jane.

5:15 4:15 3:15 2:15 1:15
KYW (535.4m-560kc), Meat talk, John Cutting.

6 5 4 3 2
KMOX (280.2m-1070kc), Housewives' hour.
WRC (468.5m-640kc), Housekeepers' half hour.

1:15 a.m. 12:15 11:15 10:15 9:15
KGO (361.2m-830kc), "Character Training in the Home," E. Anderson.

Tuesday

Atlantic Eastern Central Mountain Pacific
10 a. m. 9 8 7 6
WIP (508.2m-590kc), Menu, Anna Scott.

10:30 9:30 8:30 7:30 6:30
WWJ (352.7m-850kc), Tonight's dinner.

10:45 9:45 8:45 7:45 6:45
WTAG (267.7m-1120kc), Talk to mothers.

11 10 9 8 7
KDKA (309.1m-970kc), Domestic Science. Arts for the Housewife.

12 n. 11 10 9 8
WEAO (293.9m-1020kc), Housekeepers' half hour.
WEAR (389.4m-770kc), Home service talk.
WHT (399.8m-750kc), Women's club, Jean Sargent.
WMCA (340.7m-880kc), Home Makers' club.
WQJ (447.5m-670kc), Home economics.
12:30 p.m. 11:30 10:30 9:30 8:30
WEBH (370.2m-810kc), Fashion and household talks.
WGN (302.8m-990kc), Home Management period.

Atlantic Eastern Central Mountain Pacific
2 p. m. 1 12 n. 11 10
KGW (491.5m-610kc), Household Helps, shopping guide.
WGBF (236.1m-1270kc), Garden talk.
2:45 1:45 12:45 11:45 10:45
WQJ (477.5m-670kc), Home Economics. Style chats.
WGBF (236.1m-1270kc), Garden talk.
4 3 2 1 12 n.
WIP (508.2m-590kc), Menu talk.
WJZ (454.3m-660kc), "Your Daily Menu," Mrs. J. Heath.

4:15 3:15 2:15 1:15 12:15
WHO (526m-570kc), Recipes, household hints.
4:30 3:30 2:30 1:30 12:30
WLIT (394.5m-760kc), Household helps and hints.
5 4 3 2 1
WOC (483.6m-620kc), Home management schedule.
6 5 4 3 2
KMOX (280.2m-1070kc), Housewives' hour.
6:30 5:30 4:30 3:30 2:30
KOA (322.4m-930kc), Housewives' matinee.
7 6 5 4 3
KOA (322.4m-930kc), Culinary hints, Clara Hoover. Fashion hints.
7:45 6:45 5:45 4:45 3:45
WPG (299.8m-1000kc), Fashion Flashes.
9:30 8:30 7:30 6:30 5:30
KGO (361.2m-830kc), As a Woman Thinketh.

Wednesday

Atlantic Eastern Central Mountain Pacific
10:30 a. m. 9:30 8:30 7:30 6:30
WWJ (352.7m-850kc), Tonight's dinner.

10:45 9:45 8:45 7:45 6:45
WTAG (268m-1120kc), Talk to Housewives, Mrs. Lydia Flanders.

12 n. 11 10 9 8
WEAO (293.9m-1020kc), Housekeepers' half hour.
WHT (399.8m-750kc), Women's club, Jean Sargent.
WQJ (447.5m-670kc), Home Economics program. Child Welfare talk. Fish dinner menu for Friday.
12:30 p.m. 11:30 10:30 9:30 8:30
WEBH (370.2m-810kc), Fashion and Household talks.
WGBF (236.1m-1270kc), Cooking instructions.
WGN (302.8m-990kc), Household management period.

12:35 11:35 10:35 9:35 8:35
KYW (535.4m-560kc), Table talk.

1:15 12:15 11:15 10:15 9:15
KMOX (280.2m-1070kc), Cookery, Gladys Kimbrough.

1:45 12:45 11:45 10:45 9:45
KGW (491.5m-610kc) Household Helps, shopping guide.

2:20 1:20 12:20 11:20 10:20
WGBF (236.1m-1270kc), Garden talk.

2:45 1:45 12:45 11:45 10:45
WQJ (447.5m-670kc), Home economics.

4 3 2 1 12 n.
WCCO (416.4m-720kc), Woman's hour.
WHB (365.6m-820kc), Ladies' hour.
WJZ (454.3m-660kc, "Your Daily Menu."

4:30 3:30 2:30 1:30 12:30
WLW (422.3m-710kc). Cooking school.

5 4 3 2 1
WMAQ (447.5m-670kc), Recipes.
WOC (483.6m-620kc), Home management schedule, Aunt Jane.

Atlantic Eastern Central Mountain Pacific
5:30 p. m. 4:30 3:30 2:30 1:30
KFNF (263m-1140kc), Flower talk.
5:40 4:40 3:40 2:40 1:40
WRC (468.5m-640kc), Housekeepers' chat.
6 5 4 3 2
KMOX (270.2m-1070kc), Housewives' hour.
KOAC (280.2m-1070kc), Housekeepers' half hour.
7 6 5 4 3
KGO (361.2m-830kc), "Hints for Housekeeper."
8 7 6 5 4
KLX (508.2m-590kc), Woman's hour.
KMA (252m-1190kc), Domestic science talk.
8:45 7:45 6:45 5:45 4:45
WBZ (333.1m-900kc), Household management.

Thursday

Atlantic Eastern Central Mountain Pacific
10 a. m. 9 8 7 6
WIP (508.2m-590kc), Menu talk.
10:30 9:30 8:30 7:30 6:30
WWJ (352.7m-850kc), Tonight's dinner.
10:45 9:45 8:45 7:45 6:45
WTAG (268m-1120kc), Marjorie Woodman, nurse.
11 10 9 8 7
WEAF (491.5m-610kc), Talks, cookery lecture.
11:50 10:50 9:50 8:50 7:50
WMC (499.7m-600kc), Home economics discussion, Miss Kitty.

12 n. 11 10 9 8
WEAO (293.9m-1020kc), Housekeepers' half hour.
WEAR (389.4m-770kc), Home service talk.
WHT (399.4m-750kc), Women's club, Jean Sargent.
WMCA (340.7m-880kc), Food bureau program.
WQJ (447.5m-670kc), July 1, "Out of the Can Into the Picnic Basket." "More About Salads."
12:30 p.m. 11:30 10:30 9:30 8:30
WEBH (370.2m-810kc) Household and fashion talks.
WGN (302.8m-990kc), Home Management period.
12:35 11:35 10:35 9:35 8:35
KYW (535.4m-560kc) Table talks.
2 1 12 n. 11 10
KGW (491.5m-610kc), Household helps.
WGY (379.5m-790kc), July 1, "Midsummer Fashion Notes."
2:20 1:20 12:20 11:20 10:20
WGBF (236.1m-1270kc) Garden talk.
2:45 1:45 12:45 11:45 10:45
WQJ (447.5m-670kc), Home economics. July 1, "Clubs Revive Buffet Luncheons." "Shoes."
4 3 2 1 12 n.
KSO (211.8m-1240kc), Woman's hour, Mrs. Margaret B. Russell.
WJZ (454.3m-660kc), Your Daily Menu.
4:15 3:15 2:15 1:15 12:15
WJZ (454.3m-660kc) "Wall Paper, Room by Room," A. Fillebroun.
5 4 3 2 1
WOC (483.6m-620kc) Home management schedule, Aunt Jane.
6 5 4 3 2
KMA, (241.8m-1240kc), Woman's hour.
KMOX (280.2m-1070kc) Housewives' hour.
6:30 5:30 4:30 3:30 2:30
KOA (322.4m-930kc) Housewives' matinee.
WCCO (416.4m-720kc) Women's club program.
7 6 5 4 3
KOA (322.4m-930kc) Culinary hints, Clara Hoover.

Friday

Atlantic Eastern Central Mountain Pacific
10:30 a.m. 9:30 8:30 7:30 6:30
WWJ (352.7m-850kc) Tonight's dinner.
11 10 9 8 7
KDKA (309.1m-970kc) Domestic science and Arts for the Housewife.

Atlantic Eastern Central Mountain Pacific
12 n. 11 10 9 8
WEAO (293.9m-1020kc) Housekeepers' half hour.
WHT (399.8m-750kc) Women's hour, Jean Sargent.
WQJ (447.5m-670kc), Sunday dinner menu.
12:15 p.m. 11:15 10:15 9:15 8:15
KYW (535.4m-560kc) Meat talk.
WMCA (340.7m-880kc), Food bureau.
12:30 11:30 10:30 9:30 8:30
WEBH (370.2m-810kc) Household and fashion talks.
WGBF (236.1m-1270kc), Cooking instructions.
WGN (302.8m-990kc), Home Management period.
12:35 11:35 10:35 9:35 8:35
KYW (535.4m-560kc) Table talk.
1:45 12:45 11:45 10:45 9:45
KGW (491.5m-610kc), Household helps.
2:45 1:45 12:45 11:45 10:45
WOAW (526m-570kc) Sunshine Sunday dinner menu.
WQJ (447.5m-670kc), July 2. "Your Child's Diet Now Means More Than You Realize." "How Do You Wash Your Dishes?"
4 3 2 1 12 n.
WHB (365.6m-820kc), Ladies' hour.
WJZ (454.3m-660kc) "Your Daily Menu," Mrs. J. Heath.
4:05 3:05 2:05 1:05 12:05
WCCO (416.4m-720kc), Woman's hour.
4:15 3:15 2:15 1:15 12:15
WHO (526m-570kc) Recipes, household hints.
WJZ (454.3m-660kc), "They Are Wearing."
4:25 3:25 2:25 1:25 12:25
WJZ (454.3m-660kc) "Solving Candy Problems."
5 4 3 2 1
KYW (535.4m-560kc) Woman's hour.
WOC (483.6m-620kc) Home Management, Aunt Jane.
5:15 4:15 3:15 2:15 1:15
WMAQ (447.5m-670kc)
5:30 4:30 3:30 2:30 1:30
WFAA (475.9m-630kc) Homemakers program.
WMAQ (447.5m-670kc), Foibles of the Moment.
6:30 5:30 4:30 3:30 2:30
KOA (322.4m-930kc) Housewives matinee.
7 6 5 4 3
KOA (322.4m-930kc), Culinary hints. Fashion review.
11:30 10:30 9:30 8:30 7:30
KMOX (280.2m-1070kc) Housewives' hour.

Saturday

Atlantic Eastern Central Mountain Pacific
10 a. m. 9 8 7 6
WIP (508.2m-590kc), Menu talk.
10:30 9:30 8:30 7:30 6:30
WWJ (352.7m-850kc) Tonight's dinner.
12 n. 11 10 9 8
WEAO (293.9m-1020kc) Housekeepers' half hour.
WEAR (389.4m-770kc) Home service talk.
WHT (399.8m-750kc) Women's club, Jean Sargent.
WGN (302.8m-990kc), Household hints.
WQJ (447.5m-670kc), Home Economics program.
12:30 p.m. 11:30 10:30 9:30 8:30
WGN (302.8m-990kc), Home Management period.
12:35 11:35 10:35 9:35 8:35
KYW (535.4m-560kc), Table talk.
2 1 12 n. 11 10
KGW (491.5m-610kc), Household helps, shopping guide.
KMA (252m-1190kc), Domestic science topics.
2:20 1:20 12:20 11:20 10:20
WGBF (236.1m-1270kc), Garden talk.
6 5 4 3 2
KMOX (280.2m-1190kc), Housewives' hour.

PRES. COOLIDGE'S INDEPENDENCE

HIGH LIGHTS OF THE AIR

AMONG the first visitors to the Sesquicentennial exposition this summer will be President Coolidge whose Independence Day talk will be given in the Philadelphia municipal stadium. Complete broadcasting plans concerning the transmission of this speech to the public have not been given out as yet. At the present time only WFI expects to go on the air.

Another interesting event to take place in Philadelphia this month is the opening July 1, of the suspension bridge, called the largest in the world, connecting the states of Pennsylvania and New Jersey at Philadelphia. WLIT will broadcast the early morning program which will take place at the dedication of this important piece of engineering. Among the speakers will be Governors Gifford Pinchot of Pennsylvania and A. Harry Moore of New Jersey.

Hordes of cowboys and cowgirls are invading the peaceful agricultural state of Michigan, a state hitherto famous in the spring for the beauty of its blossoming fruit trees. However, all these wild riders of the western plains will be confined within the Michigan State Fair grounds where they will take part in the first Michigan rodeo. The entire spectacle will go over the microphone of WOOD. Tex Sherman, rodeo veteran, will describe the events which take place July 2-6.

Hotel Shelburne makes its Radio bow, July 2, via WPG, with the S. Wheeler Wadsworth players, twelve of whom are internationally known. Mr. Wadsworth prior to his organization of this group was musical conductor of several successful musical comedies, notably "Little Jessie James" and "The Rainbow Girls." His Radio programs promise to show the same kind of pep.

Summer brings the return of the New York Philharmonic orchestra to the air. Wednesdays, July 7 and 14, WJZ will broadcast this program at 8:30 p. m. Eastern daylight saving time. Saturday, July 10, WJZ and WRC will both broadcast.

Songs of the sea, luring the inland listener to the Atlantic coast will be the feature of the Wednesday, July 7, program at WRVA, Richmond, Va., when the Marines quartet takes to the ether. The only remedy on the Radio horizon this same evening to offset the roving effect of these songs is the medicine show at WLS, Chicago. Kruger and Dillon will reproduce the old-time medicine show and only the airline distance will save the listener from buying old-time favorite patent remedies.

A deaf man has been selected to sell the idea of a symphony orchestra over Radio. Arthur S. Garbett, famous for his contributions to musical literatures in notes and print, will give a short talk about a concert to be played by the San Francisco Symphony orchestra the day following, and his remarks will be illustrated by an instrumental trio before the KGO microphones, Saturday night, July 10, between 9 and 9:30 p. m. Pacific time. Although a composer of wide experience, and an expert on the orchestra, Garbett is about fifty per cent deaf, and hears only with the aid of mechanical devices.

Another departure from the conventional studio offering will be made Monday evening, July 12, when KOA, Denver, broadcasts a special burlesque program, the scene of which will be laid in the imaginary "Midwest Lyceum Bureau and Booking Agency." Two hours will be devoted to rehearsals, assembling of acts and judging aspiring professionals. Tune in and give your opinion.

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Thursday, July 1

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
9 p. m.	8	7	6	5
WBZ (333.1m-900kc), U. S. Navy band.				
9:30	8:30	7:30	6:30	5:30
KDKA (309.1m-970kc), Dances of All Nations.				
WHAS (399.8m-750kc), 138th Field Artillery band.				
10	9	8	7	6
WHO (526m-570kc), Myrtle Williams, soprano.				
WIP (508.2m-590kc), Frolic, Kiwanis club.				
10:30	9:30	8:30	7:30	6:30
KWWG (278m-1080kc), Mexican Songs, Senorita Carlotta Villareal.				
WRC (468.5m-640kc), Drama, WRC players.				
11	10	9	8	7
KFXF (250m-1200kc), Irish Melody Boys.				
12 m.	11	10	9	8
WGHP (270.1m-1110kc), Heck and Mac.				
WHT (399.8m-750kc), Lee Simms and Gloom Chasers.				

Thursday, silent night for: CHIC, CKNC, CNRA, CNRE, CNRO, CNRR, CNRT, CNRV, CNRW, KFAB, KFH, KFOA, KFUO, KMOX, KOA, KOB, WAHG, WCAP, WEAO, WEBJ, WEMC, WGBF, WHAD, WHAZ, WJJD, WMAK, WMAZ, WOOD, WOR, WOS, WSM, WSUI, WTAM.

Atlantic or Eastern Daylight Saving Time Stations

CFCA, Toronto, Can. (356.9m-840kc), 11 p. m., Gilbert Watson and his orchestra.

CKNC, Toronto, Can. (356.9m-840kc), 8 p. m., Charles E. Bodes and his dance orchestra; Edgar Smith, bass.

WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert; 8, concert; 8:15, WEAF; 9, WEAF; 10, WEAF.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:30 p. m., Cathay orchestra; 7:30, Shellenburg symphony orchestra; 8, saddler's Plantation serenader; 8:30, Clifton's Angler; 8:45, the Kandy Kid; 9, Barry O'Moore, Irish tenor; 9:30, the Musical Chefs; 9:45, Professor [illegible]; 10, recital.

WEAF, New York, N. Y. (491.5m-610kc), 6 p. m., dinner music; 7:30, molasses 'n' jasm; 8:15, Hires Harvesters, WLIB, WFI, WCAE, WLIB, WSAI, WWJ, WTAM; 9, Clicquot club Eskimos, WEEI, WJAR, WTAG, WFI, WCAE, WSAI, WTAM, WGR, WWJ, WOC, KSD, WCCO, WGN; 10, Silvertown Cord orchestra, WEEI, WFI, WCAE, WWJ, WGR, WOC, WCCO, WTAG, KSD, WSAI, WJAR, WGN, WADC, Buffalodians.

WEEI, Boston, Mass. (348.6m-860kc), 7:30 p. m., music; 8, WEAF.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra; 7:15, Keystone Auto club feature; 8:15, WEAF; 9, WEAF; 10, WEAF.

WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., Vincent Lopez Hotel Statler dance orchestra; 8, WEAF.

WHAR, Atlantic City, N. J. (275.1m-1090kc), 8 p. m., Seaside hotel trio; 9, studio concert; 11, Follies Bergere dance orchestra.

WHN, New York, N. Y. (361.2m-830kc), 8 p. m., Will Oakland's orchestra; 10:30, Leroy Smith's orchestra; 11:30, Everglades orchestra; 12, Sophie Tucker's playground.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 8, Sesquicentennial Chamber Music society; 9, Pat Conway's band; Carlo Ferretti, baritone; 9:30, Hotel Traymore concert orchestra; 10, frolic, Atlantic City Kiwanis club; 11:15, Silver Slipper club dance orchestra.

WJAR, Providence, R. I. (305.9m-980kc), 9 p. m., orchestra; 9:11, WEAF.

WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Hotel Pennsylvania concert orchestra; 7:10, Judge, Jr.; 7:55, United Press sporting; 8, First National presentation, WRC; 8:30, WRC; 9:30, Royal Typewriter Salon orchestra, WGY, WCAD, WRC; 10:30, the Record boys, WRC; 11, WRC.

WLIT, Philadelphia, Pa. (394.5m-760kc), 10 a. m., official opening Delaware River bridge; speeches by Governor Gifford Pinchot of Pa. and A. Harry Moore of New Jersey; band concerts; 7:30, Benjamin Franklin concert orchestra.

WMCA, New York, N. Y. (340.7m-880kc), 7 p. m., Hofbrau Haus entertainers; 8, Roemer's Homers; 9, Solow soloists; 9:30, Columbia Park entertainment; 10, Woodmansten Inn orchestra; 11, Ernie Golden and his Hotel McAlpin orchestra; 12, McAlpin entertainers.

WNYC, New York, N. Y. (526m-570kc), 6:10 p. m., piano selections.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Adelphia Roof Garden orchestra.

WOR, Newark, N. J. (405.2m-740kc), 6:30 p. m., Jacques Jacobs Hotel Shelton ensemble.

WPG, Atlantic City, N. J. (299.8m-1000kc), 6:45 p. m., Arthur Scott Brook, organist; 7, Hotel Morton dinner music; 7:45, Hotel Ambassador dinner music; 8:30, Alice Warren Sachse, pianist; 8:45, Pat Conway's band; 9:30, Hotel Traymore concert orchestra; 10, Atlantic City Kiwanis club; 11:15, Silver Slipper Supper club dance orchestra.

WTAG, Worcester, Mass. (267.7m-1120kc), 7:30 p. m., Safety club; 8-9, program; 9-10, WEAF; 10-11, WEAF.

Eastern Standard or Central Daylight Saving Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 8:30 p. m., with famous composers, "Dances of All Nations," symphony players, 9, Symphony players; Elsie Breese Mitchell, soprano; 10:05, Post dance program.

KYW, Chicago, Ill. (535.4m-560kc), 7 p. m., musicale, Hearst square; 9-10:30, classical concert; 10:30-11:30, Congress carnival.

WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., WBAL dinner orchestra; 8-8:30, Frederick D. Weaver, organist; 8:30-9, WBAL mixed quartet; 9-10, WBAL trio; John Wilbourn, tenor.

WBBM, Chicago, Ill. (225.4m-1330kc), 8-11:30 p. m., popular music; Moss Covered melody period, Alemite orchestra, artists; 11:30-12, supper club.

WBZ, Springfield, Mass. (333.1m-900kc), 6 p. m., Bob Patterson's Hotel Kimball trio; 6:33, Hotel Lenox ensemble; 8, the U. S. Navy band; 9, Sumner Principle, pianist; Willard Clark, baritone; 9:30, Martino quintet.

WCBD, Zion, Ill. (344.6m-870kc), 9 p. m., male chorus, celestial bells; Erma Reynolds, soprano; E. B. Paxton, baritone; Daniel Mason, trombonist; John Studebaker, clarinetist; Mrs. Susie Barton-Smith, reader; John Mehaffey, pianist.

WEBH, Chicago, Ill. (370.2m-810kc), 7 p. m., special recital; 9, orchestra; Ruth Buhl Flick, reader; Dorothy Herman Blum; Indiana male quartet; 11-12:30, orchestra; Pat Ward; Rita McFawn, Mary Bieber.

WENR, Chicago, Ill. (265.3m-1130kc), 6-7 p. m., Rauland lyric trio; 8-10, All-American pioneers.

WGES, Oak Park, Ill. (249.9m-1200kc), 5-7 p. m., organ music; artist pupils, Chicago Musical college; Peggy O'Neill, Esther Richards; 8-9, Jimmy Wall; Guyon's Paradise; Leona Hayes; 11-12, Flo and Ray, Phil Fleming; Melody Girls; Panico Panic.

WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert; 10, Frolickers; Heck and Mac; Mr. and Mrs. Eddie McGrath; Motortown trio; 11, Skylark dance band; Winifred Huntoon, mezzo-soprano; Harry Hayes, banjoist; 12-1 a. m., Gerald Marks' orchestra.

WGN, Chicago, Ill. (302.8m-990kc), 6:35-7 p. m., Drake concert ensemble; 8-9, WEAF; 9-10, WEAF; 10-10:10, ensemble.

WGY, Schenectady, N. Y. (379.5m-790kc), 5:30 p. m., Jack Denny's Babcock lake orchestra; 6:45, orchestra; 7:30, WRC; 8:30, WJZ; 9:30, Clinnick Trumpet quartet; 10:30, Stephen E. Bolsclair, organist.

WHT, Chicago, Ill. (399.8m-750kc), 7:10 p. m., Al Carney, organist; 8:45-10:15, (238m-1260kc), studio features; Lee Simms; 12 (399.8m-750kc), U. S. L. entertainers.

WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., dinner concert; 12, Ted Florito, Dan Russo, Marie Tully, Wayne Myers; Louis A. Webb, Rita McFawn, Smith and Ford.

WJAZ, Chicago, Ill. (329.5m-910kc), 9-12 mid., Leo B. Landry, baritone; Katherine, Margaret McDevitt, piano-duettists; Edmund B. Kelly, baritone; Temple male quartet; Marion O'Neil Holland, violinist; Spanish Garden studio classical program.

WJJD, Mooseheart, Ill. (370.2m-810kc), 5:30-7 p. m., dinner concert; Howard Peterson, organist; Palmer House symphony orchestra; Victorians; 8-9, child artists, solos, bands; 10-11, Victorians, quartet; 12:30 a. m., Knights of the Burning Candle.

WLIB, Chicago, Ill. (302.8m-990kc), 7-7:05 p. m., Million Sing; 7:05-7:15, Old-fashioned almanack; 7:15-8, WEAF; 11-11:20, Correll and Gosden; 11:20-1 a. m., Liberty studio ensemble; Ambrose Larsen, organist; Tommy Thatcher's Drake hotel dance orchestra; Purple Grackle orchestra.

WLS, Chicago, Ill. (344.6m-870kc), 6:30 p. m., Elsie Mae Look, organist; 6:45, Maurie Sherman's college inn orchestra; 7:15, Rose Sherman, violinist; Marie Ludwig, harpist; 7:30, Al Melgard, organist; 7:50, Voice of the Listener; 8:10, Maurie Sherman's College Inn orchestra; 8:20, Mu Phi Epsilon concert.

WLW, Cincinnati, Ohio (422.3m-710kc), 6:15 p. m., Norrine Gibbons and Priscilla Holbrook; 7, dinner concert, Hotel Gibson; 7:30, three-minute message, U. S. Civil service; 7:45, Hotel Gibson concert; 8, the Eagle quartet 8:30, Hilary Harrod and Forest Heilman; 9, Al Katz and his Kittens; 10, Doherty Melody Boys; 11, Irene Downing and Tommy Reynolds; 11:30, dance selections, Henry Theis Castle Farmers; 12:15, Night Howls.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Hotel LaSalle orchestra; 8, program; 9:20, music.

WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon ensemble; Hernes Brothers, Hungarian Harmonica Twins; 9-11, Trianon orchestra; ensemble, Wellington Forbes, Bob Bennet, Bob Duffy.

WOK, Chicago, Ill. (217.3m-1380kc), 6-7 p. m., Tip Top Inn string ensemble; 10-1:30 a. m., Tearney's Town club orchestra; Carl Lorraine's Pershine Palace orchestra; Midway Garden orchestra; Capitol theater program.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Gardens orchestra; staff artists; 10-2 a. m., Jerry Sullivan; Harry Geise; Lew Butler; Bert Davis, Two Frenchmen.

WRC, Washington, D. C. (468.5m-640kc), 7 p. m., WJZ; 7:30, U. S. Marine band, WJZ, WGY; 9, WJZ, 9:30, WRC players; 10:30, Meyer Davis' Swanee syncopators, WJZ.

WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., dinner concert; Gold Standard ensemble; Speed-Wagon serenaders; musical program; vocal and instrumental solos.

WRVA, Richmond, Va. (256.3m-1170kc), 8:45 p. m., spirituals, Negro quartet; 9:15, Brockwell string band; 10, songs of England, France, Italy, Germany, Canada, U. S.; 11, Carry Me Back to Old Virginny.

WSAI, Cincinnati, Ohio (325.9m-920kc), 7:15 p. m., WEAF.

WSWS, Chicago, Ill. (275.1m-1090kc), 6 p. m., Stephen A. Day, Rita McFawn, Hugh Aspinwall, tenor; Josephine Oliver, violinist; Marjorie Terry, pianist; orchestra; Golden trio; 10-11, Terrace Gardens quintet, "That Old Sweetheart of Mine"; 11-12, Hallelujah Boys; Kenneth Clark; Rudy Winter; Billy Schaefer, Hamilton Harding; 12-1, Witching hour.

WTAM, Cleveland, Ohio (389.4m-770kc), 6:15 p. m., Hollenden hotel orchestra; 7:15-9, WEAF; 9, studio program; 11, Collegian serenaders.

WTIC, Hartford, Conn. (475.9m-630kc), 7 p. m., popular songs, Gertrude Coledesky; 7:30, vocal recital; 8, For-an-to Melody Makers; Travelers male quartet; 9, Hotel Bond dance orchestra.

WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7, WEAF.

Central Standard Time Stations

CKY, Winnipeg, Man. (384.4m-780kc), 9, p. m., J. A. Banfield company program; Canadian Pacific railway orchestra.

KFH, Wichita, Kans. (267.7m-1120kc), 6:30 p. m., Radio piano playing contest; 7, Markle and Al Hiner, harmony team.

KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., White Cloud, Kansas.

KLDS, Independence, Mo. (440.9m-680kc), 8 p. m., Silvertone male quartet.

KMA, Shenandoah, Iowa (252m-1190kc), 6-7 p. m., organ.

KOIL, Council Bluffs, Iowa (278m-1080kc), 6:30 p. m., dinner program, Art Marr's Imperial orchestra; 7, G. H. Nelson Paint company program; 8, program; 11, Hotsy Totsy hour.

KPRC, Houston, Texas (296.9m-1010kc), 7:30 p. m., Harry Kobusch and his orchestra; 9, Southern Pacific Lines glee club.

KSO, Clarinda, Iowa (241.8m-1240kc), 8 p. m., Clarinda municipal band.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:05-10 p. m., solo hour, KTHS vocal and instrumental staff artists.

KVOO, Bristow, Okla. (374.8m-800kc), 6-9 p. m., surprise program.

KWWG, Brownsville, Texas (277.6m-1080kc), 8:30-9 p. m., Roy Garcia, violinist; Senorita Carlotta Villareal, Mexican songs; 9-9:15, Mrs. C. W. Davenport, contralto; 9:15-9:40, B Flat quartet; 12:01-1:00 a. m., Novelty and jazz.

WADC, Akron, Ohio (258.5m-1160kc), 9 p. m., Silvertown Cord orchestra; 10, Roseland dance orchestra.

WBAP, Fort Worth, Texas (475.9m-630kc), 7:30-8:30 p.m., Davis Baking Powder saxophone octet; 9:30-11, Will Foster, organist; 11-12, Sorin White Top o' Texas orchestra.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 7 p. m., WEAF; 9, La Schana program.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., Billy Adair's orchestra; 11:45-1 a. m., orchestra; Johnnie Campbell's orchestra; Earl Coleman's orchestra; Earl Thurston, organist.

WFAA, Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m., Jimmy Joy's orchestra; 8:30-9:30, Joseph B. Rucker, bass; Mrs. Rucker, pianist.

WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., 138th Field Artillery band.

WHB, Kansas City, Mo. (365.8m-820kc), 7-7:30 p. m., organ concert; 8-9:15, Foster, Hall, Stone, Rubber Triplets.

WHO, Des Moines, Iowa (526m-570kc), 7:30-8 p. m., Younker tea-room orchestra; 8-9, Bankers' Life trio; Stewart Watson, baritone; Myrtle Williams, soprano.

WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Cooper's Hawaiians.

WOAI, San Antonio, Texas (394.5-760kc), 8:30 p. m., Mistletoe Melody Maids.

WOAW, Omaha, Nebr. (526m-570kc), 6 p. m., Elks' organ; 6:25, Francis Potter; 6:50, orchestra; 9, classical.

WOC, Davenport, Iowa (483.6m-620kc), 6-6:15 p. m., WEAF; 9-9:30, Moline Plowboys.

WORD, Chicago, Ill. (275.1m-1090kc), 8:00 p. m., musical program.

WRR, Dallas, Texas (245.8m-1220kc), 6-7 p. m., Jack Gardner's orchestra; 8-9, musicale; 9:30-10:30, Dyo duo.

WSMB, New Orleans, La. (319m-940kc), 8:30-10:30 p. m., Schilling's Society serenaders; Radio Revelers; Liberty theater dance program.

WSOE, Milwaukee, Wis. (245.8m-1220kc), 7 p. m., Elks club studio; 8, Bible class, Dr. J. C. O'Hair; 9, Lakefront studio.

Mountain Standard Time Stations

KFXF, Colorado Springs, Colo. (249.9m-1220kc), 9 p. m., Irish melody boys with Ernest McGee, entertainer.

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., students, University of California; 8-9, Kanner string trio; 9-10, Howard McKee, D. Reeves Boyd, flutist; 10-11, Patrick-Marsh dance orchestra.

KFWB, Hollywood, Calif. (252m-1190kc), 6-7 p. m., Pontiac 6 dinner hour; 7-8, program, O'Neal and Son; 8-9, program, McGavin Brothers bakery; 9-10, program, Dell's Ice Cream; 10-11, Warner Brothers frolic.

KGO, Oakland, Calif. (361.2m-830kc), 8-9 p. m., vacation program; Morey Amsterdam, Original Radio mimic; Anita Romano, guitarist; Fishin' Jim Pike, WOW male trio; 9, Brokaw and orchestra.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-10, vaudeville program, Four Sailors; Ebony and Ivory, piano duet; Motor Coach entertainers; Tommy Luke's Flower girls; 10-12, Cole McElroy's dance orchestra.

KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., children's hour, Uncle John; 8-10, Times de luxe program; 10-11, Heffner's Sunnyland Seven.

KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7 p. m., Rudy Seiger's Fairmont hotel orchestra; 8, program, Caswell Coffee company; 9-10, banquet program, H. O. Harrison company; 10-11, Mandarin cafe orchestra.

KPSN, Pasadena, Calif. (315.6m-950kc), 8-9 p. m., musicale, Pasadena chamber of commerce.

Friday, July 2

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
7:45 p. m.	6:45	5:45	4:45	3:45
WPG (299.8m-1000kc), S. Wheeler Wadsworth players.				
8:15	7:15	6:15	5:15	4:15
WGY (379.5m-790kc), "The Anti Renters," WGY players.				
9	8	7	6	5
KOA (322.4m-930kc), Open-air concert.				
WMCA (340.7m-880kc), Piccadilly players.				
9:30	8:30	7:30	6:30	5:30
WCOA (222m-1350kc), Robbye Cook, 12-year-old prodigy.				
10	9	8	7	6
WBAL (245.8m-1220kc), Municipal band.				
WLS (344.6m-870kc), Stephen Foster program.				
WOOD (241.8m-1240kc), Roundup, Michigan State Fair grounds.				
WSM (282.8m-1060kc), Peabody ensemble singers.				

AY TALK FROM SESQUICENTENNIAL

d nave no objections to the right even if they did not ggy Mathews, owner of this singer at KFWB. She won eing the most popular enter- On the left is your French cimpidis, who has been giv- iage for the past two years ery Tuesday at 4:10 p. m. Fans who have enjoyed the all winter will like the semi- given Sunday evenings over e popular Irish tenor, Allen vater Kent orchestra. Mr. at the microphone, above. eader of the orchestra is at the right.

Eastern Standard or Central Daylight Saving Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 8:30 p. m., concert, faculty of P. M. I.
KYW, Chicago, Ill. (535.4m-560kc), 7 p. m., musicale; 8-9, Federal Masters; 10:30-12, Congress carnival.
WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., WBAL dinner orchestra; 8-9, musicale; 9-10, Municipal band.
WBBM, Chicago, Ill. (225.4m-1330kc), 8-10 p. m., Saftey First playlet; Alemite High Pressure orchestra; Vanity Fair orchestra.
WBZ, Springfield, Mass. (333.1m-900kc), 6 p. m., Hotel Lenox ensemble; 6:45, Bob Patterson's Hotel Kimball trio; 9, John Kerwan, mandolinist; Timothy Cahill, guitarist; 9:30, Hotel Brunswick orchestra.
WCAP, Washington, D. C. (468.5m-640kc), 7-9 p. m., popular science talk; 9-9:30, WEAF; 9:30-10, studio program.
WEBH, Cihcago, Ill. (370.2m-810kc), 7 p. m., Osborn's orchestra; Bernard Weber, Pauline Sachs; 9, Osborn's orchestra; Bernard Weber; 11-12:30 a. m. orchestra; Irene Beasley; Flo and Ray, Cook Sisters.
WENR, Chicago, Ill. (265.3m-1130), 6-7 p. m., Rauland lyric trio; 8-9, Moody Bible Institute hour; 9-10, Arthur Dunas, popular program; 12-2 a. m., midnite frolic.
WGES, Oak Park, Ill. (249.9m-1200kc), 5-7 p. m., old-time favories, Art Bilquist, Will Rossiter, Pat Ryan, Peggy and Esther, Eddie Freckman; 8-9, Joe Warner, Joie Walsh, Tom Wheeler, Melody Girls; 11-1 a. m., Clarence Theders, Esther Richards, Pat Ryan.
WGHB, Clearwater, Fla. (265.3m-1130kc), 8:30-10 p. m., Frederick Hubbard, organist.
WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert; 10, entertainers; 11, Skylark dance band; T. Stanley Perry, tenor; Dick Quinlan, saxophonist; 12-1 a. m., Gerald Marks' orchestra.
WGN, Chicago, Ill. (302.8m-990kc), 6:35-7 p. m., musical program; Drake concert ensemble, Blackstone string quintet; request program; 7:15-8:15, Paul Ash; 8:15, musicale; 9, WEAF; 9:30-10, Phanton violin; 10-10:10, Sam 'n' Henry; 10:10-11, musical program, ensemble.
WGY, Schenectady, N. Y. (379.5m-790kc), 6 p. m., Hotel Van Curler orchestra; 6:35, WGY orchestra; 7:15, "The Anti Renters," WGY players; 9:30, WGY orchestra; Theodore Von den Blick, cornetist.
WHT, Chicago, Ill. (299.8m-750kc), 7 p. m., Al Carney, 7:40, chapel; 10:15 (238m-1260kc), musical features; 10:30, (399.8m-750kc), Sunbeam Girl; 12 midnight, your hour league.
WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., dinner program, string trio; Charlotte Edwards, contralto; 10-2 a. m., popular program; Ted Fiorito, pianist; Dan Russo, violinist; songs, monologues; Tony Corcoran; Hickey and Johnson.
WJAZ, Chicago, Ill. (329.5m-910kc), 9-12 mid., Earl Hoffman's Chez Pierre orchestra; Walter Levis, baritone; Eulalie Kober, pianist; The Quips That Pass In The Night.
WJJD, Mooseheart, Ill. (370.2m-810kc), 5:30-7 p. m., Jack Nelson; Howard Peterson, organist; Victorians; 8-9, child artists, solos, bands; 10-11, Senator Harold C. Kessinger; Palmer House Victorians; 12:30 a. m., Settin' Up hour.
WLIB, Chicago, Ill. (302.8m-990kc), 7-7:05 p. m., Million Sing; 7:05-7:15, Old-fashioned almanack; 11-11:20, Correll and Gosden; 11:20-1 a. m., Liberty studio ensemble; Ambrose Larsen, organist; Tommy Thatcher's Drake hotel dance orchestra; Fred Hamm's Purple Grackle orchestra.
WLS, Chicago, Ill. (334.6m-870kc), 6:30 p. m., Elsie Mae Look, organist; 6:45, Maurie Sherman's College Inn orchestra; 7:15, Rose Sherman, violinist; Marie Ludwig, harpist; 7:30, Al Melgard, organist; 7:50, Voice of the Listener; 8-10, College Inn orchestra; 9, Stephen Foster program; 10, popular music; 11, Ralph Emerson, organist.
WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Wide-Awake club program; 8, George Shimon, tenor; 8:30, Whitney trio; 9:20, musical program, chimes.
WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon duo, special artists, old-time songs; 9-11, Trianon orchestra; trio; Krueger and Dillon, banjo barons; Joe Warner, popular program.
WOK, Chicago, Ill. (217.3m-1380kc), 6-7 p. m., Tip-Top Inn string ensemble concert; 10-1:30 a. m., Tearney's Town club orchestra; Midway Garden orchestra; Capitol theater program.
WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9 p. m., World Championship Roundup, Michigan State Fair grounds; 10:05, classical concert, Emma Scott Sweet, director.
WQI, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Gardens orchestra; 10-2 a. m., Rainbo Gardens orchestra; Dr. H. Lucille Long, woman harmonica player; Muriel Olsen; Johnny Poat.
WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., dinner concert; Speed-Wagon serenaders; Gold Standard ensemble; miscellaneous programs.
WRVA, Richmond, Va. (256.3m-1170kc), 9:30-12:30 a. m., Edgeworth party night.
WSWS, Chicago, Ill. (275.1m-1090kc), 6-7 p. m., Josephine Oliver; Edward Holt, pianist; Alice Marie Martel; Fay and Martel; 8, Gus Edwards orchestra; Borden Brothers; Harmony Douglas Bowers; John Clark; 10, Terrace Gardens quintet; Ruth Routay; Sid Pierson; Freddie Wittmer; Flo and Ray; 12-1 a. m., Witching hour.
WTAM, Cleveland, Ohio (389.4m-770kc), 6:45 p. m., Hotel Cleveland orchestra; 8, orchestra program; 9, WEAF; 9:30, studio program; 11, Austin Wylie's Vocalian Recording orchestra.
WTIC, Hartford, Conn. (475.9m-630kc), 6:50 p. m., Laura C. Gaudet, pianist; 7:30, Colt Park municipal dance orchestra; 8:30, Clinton choral club; 9, E. B. C. orchestra; 9:30, WTIC's Mail bag; 9:45, Debutants' period.
WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 8, News orchestra; 9, WEAF.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., dinner concert; 8:30-10:30, Out-of-town program.
KFDM, Beaumont, Texas (315.6m-950kc), 7:30-8 p. m., band; 8-10, artists.
KFH, Wichita, Kans. (267.7m-1120kc), 9:30 p. m., piano playing contest; 7, mixed quartet; 11, Lassen Harmonizers.
KFNF, Shenandoah, Iowa (263m-1140kc), 7:30 p. m., James H. Lavy, director.
KMA, Shenandoah, Iowa (252m-1190kc), 9-11 p. m., De Luxe program.
KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., Jacquinot Kules, organist; 7, KMOX Radio orchestra; 8, light opera selections; 9, KMOX Radio orchestra; 9:30, Bamalogue, Wanderer; 10, KMOX orchestra; Helen Musick, dramatic soprano.
KOIL, Council Bluffs, Iowa (278m-1080kc), 7:30 p. m., program, Florence Palmer; 8:30, Dresher Brothers' program; Jack and Jill; 11, Hotsy Totsy hour; Jim Shoemakers Happy Family orchestra.
KSO, Clarinda, Iowa (241.8m-1240kc), 8 p. m., Fillmore Joy Makers.
KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:05-9:20 p. m., Lawson Reid, organist; 9:20-9:50, New Arlington hotel ensemble; 9:50-10:30, Ray Mullins' orchestra.
KVOO, Bristow, Okla. (374.8m-800kc), 6-9 p. m., Josephine Storey-White.
WADC, Akron, Ohio (258.5m-1160kc), 7:50 p. m., Times Press story man; 8, studio program; 10, Roseland orchestra; 12, midnite revue.
WBAP, Fort Worth, Texas (475.9m-630kc), 7:30-8:30 p. m., Panther Hawaiian trio; 9:30-9:40, Homer D. Wade; 9:40-11, Mineral Wells programs; 11-12, musicale.
WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6:15 p. m., dinner concert, St. Paul association; 7:30, Jeanne Gray; 8, WEAF; 8:30, musicale; 10:05, Nankin cafe orchestra.
WCOA, Pensacola, Fla. (222m-1350kc), 7 p. m., Howland trio; Mrs. J. W. Lamar, violinist; Mrs. Carol C. Webb, vocalist; Gladys Villar, pianist; Robbye Cook, 12-year-old prodigy; Tony Bruno, saxophonist; Florida Footwarmers dance orchestra.
WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., Harry Frank, organist; 8-8:30, WEAF; 8:30-9:30, WEAF; 11:45-1 a. m., orchestra; Ted Meyn, organist.
WFAA, Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m., Orchard Hill Amusement Park orchestra; 8:30-9:30, Schubert choral club.
WGBF, Evansville, Ind. (236m-1270kc), 7 p. m., A. L. Maxwell company; 8, Journal musical program; 11, DX Hunting club.
WHAS, Louisville, Ky. (399.8m-750kc), 7:30-8 p. m., Reynolds-Kent Hotel Kentucky orchestra; 8-9, Kilwinming vocal male quartet.
WHB, Kansas City, Mo. (365.6m-820kc), 7-8 p. m., Sweeney Radio orchestra.
WHO, Des Moines, Iowa (526m-570kc), 7:30-8 p. m., Philbreck and his Younker tea-room orchestra; 8-9, Dorothy Dinsmore, violinist; Margaret Leach, soprano; George Ricketts, baritone; Dessa Wolf, pianist; 11-12, Philbreck and his Younker tea-room orchestra.
WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Hotel Gayoso orchestra; 11, Bob Miller's orchestra.
WOAI, San Antonio, Texas (394.5m-760kc), 8:30 p. m., San Antonio College of Music program or Walter Dunham Harmonologue.
WOAW, Omaha, Nebr. (526m-570kc), 6:30 p. m., orchestra; 6:50, orchestra; 9, Puritan hour.
WOC, Davenport, Iowa (483.6m-620kc), 8-8:30 p. m., WEAF; 8:30-9:30, P. M. Bolman, baritone; Howard A. Carroll, tenor.
WORD, Chicago, Ill. (275.1m-1090kc), 7 p. m., Program, "North Shore Line"; 9, studio program.
WRR, Dallas, Texas (245.8m-1220kc), 6-7 p. m., Frank Wright, pianist; Mercedes McManus, blues singer; 8-9, Magnolia Beaumont band; 11-12, late musical program.
WSBT, South Bend, Ind. (275.1m-1090kc), 7-9:30 p. m., concert.
WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., Andrew Jackson hotel trio; ensemble singers; 10, Sidney Grooms and his orchestra.
WSOE, Milwaukee, Wis. (245.8m-1220kc), 7 p. m., Elks club; 7:15, Radio mass singing; 9, Candygram revue.

Mountain Standard Time Stations

KFXF, Colorado Springs, Colo. (249.9m-1220kc), 7:45 p. m., Elsie E. Hicks, organist; Christian Science Lecture.
KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra; 8, open-air concert, Denver Municipal band.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-7:30 p. m., Carlyle Stevenson's orchestra; 7:30-8, Felipe Delgado's media hora espanol; 8-9, Aeolian organ; 9-10, Harry Decker's Hawaiians; 10-11, Packard ballad hour.
KFWB, Hollywood, Calif. (252m-1190kc), 6-7 p. m., Pontiac 6 dinner hour; 7-7:20, announcements; 7:30-8, program, Paralta studios; 8-9, program, John Wright, The Right Tailor; 9-10, studio program; 10-11, Warner Brothers frolic.
KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-9, organ recital; 9-10, vaudeville entertainment; musical acts, Punch and Judy, Columbia Knit Mermaids; 10-12, Cole McElroy's dance orchestra.
KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., Uncle John and the children; 8-10, varied studio program; 10-11, Clement's Super-six dance orchestra.
KLX, Oakland, Calif. (508.2m-590kc), 8-9:45 p. m., studio program, Pon Honor company; 9:45-10:30, Athens Athletic club orchestra.
KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7 p. m., States Restaurant orchestra; 8:30-9, studio program; 9-10, Palace Hotel Rose Room dance orchestra; 10-11, States Restaurant orchestra.

EDUCATIONAL FEATURES

Monday

Atlantic	Eastern	Central	Mountain	Pacific
6:30 p. m.	5:30	4:30	3:30	2:30

WNYC (526m-570kc), German lessons, V. H. Berlitz.

8	7	6	5	4

WDAF (365.6m-820kc), School of the Air.

1:15 a.m.	12:15	11:15	10:15	9:15

KGO (361.2m-830kc), Educational features.

Tuesday

Atlantic	Eastern	Central	Mountain	Pacific
8 p. m.	7	6	5	4

WDAF (365.6m-820kc), School of the Air.
WEAO (293.9m-1020kc), Bird talks.

10	9	8	7	6

WMAQ (447.5m-670kc), Lecture, University of Chicago.

12 m.	11	10	9	8

KTAB (239.9m-1250kc), Mills college.

Wednesday

Atlantic	Eastern	Central	Mountain	Pacific
6:30 p. m.	5:30	4:30	3:30	2:30

WNYC (526m-570kc), Spanish lesson, V. H. Berlitz.

8	7	6	5	4

WDAF (365.6m-820kc), School of the Air.

8:30	7:30	6:30	5:30	4:30

WBZ (333.1m-900kc), Radio Nature league.

Atlantic	Eastern	Central	Mountain	Pacific
9 p. m.	8	7	6	5

WEAO (293.9m-1020kc), "Atoms and Stars."
WHB (365.6m-820kc), Automotive talk.
WMAQ (447.5m-670kc), Lecture, Northwestern university.

11:30	10:30	9:30	8:30	7:30

KHJ (405.2m-740kc), Astronomy.

Thursday

Atlantic	Eastern	Central	Mountain	Pacific
7:30 p. m.	6:30	5:30	4:30	3:30

WLW (422.3m-710kc), Educational talk.

8	7	6	5	4

WDAF (365.6m-820kc), School of the Air.

9:30	8:30	7:30	6:30	5:30

WOI (270.m-1110kc), Industrial Science, short course, "State Parks of Iowa."

10	9	8	7	6

WMAQ (447.5m-670kc), U. of C. lecture.

Friday

Atlantic	Eastern	Central	Mountain	Pacific
4:45 p. m.	3:45	2:45	1:45	12:45

WMCA (340.7m-880kc), "The Right Word."

6:30	5:30	4:30	3:30	2:30

WNYC (526m-570kc), French lesson.

8	7	6	5	4

WDAF (365.6m-820kc), School of the Air.
WOAW (526m-570kc), "Musical Appreciation," Hester Bronson Copper.

10	9	8	7	6

WMAQ (447.5m-670kc), U. of Chicago.

11:45	10:45	9:45	8:45	7:45

KFWB (252m-1190kc), Nature talk.

Saturday, July 3

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
8:10 p. m.	7:10	6:10	5:10	4:10

WEEI (348.6m-860kc), Symphony hall pop concert.

8:30	7:30	6:30	5:30	4:30

WBZ (333.1m-900kc), Fourth of July program.

10	9	8	7	6

WOOD (241.8m-1240kc), Roundup.
WRC (468.5m-640kc), Kitt hour of music.

10:15	9:15	8:15	7:15	6:15

KOIL (278m-1080kc), Pullman Porters quartet.

10:30	9:30	8:30	7:30	6:30

WMC (499.7m-600kc), George Luttrell.
WSMB (319m-940kc), Paul Jacobs and Young Men's Hebrew association glee club.

11	10	9	8	7

KMA (252m-1190kc), Farmer Scotchman.
WQJ (447.5m-670kc), "Real Americans," Col. Lee Alexander Stone.

11:50	10:50	9:50	8:50	7:50

WHT (399.8m-750kc), Avalon quartet.

12 m.	11	10	9	8

WOAW (526m-570kc), Organ jubilee.

Saturday, silent night for: CNRA CNRC, CNRE, CNRM, CNRR, CNRT, CNRV, CNRW, KFKX, KFUO, KFXF, KMA, KSO, KTAB, WBAL, WCAL, WCX, WEBJ, WGBF, WGCP, WGHP, WGST, WHA, WHAD, WHAZ, WHN, WHO, WJAR, WLIT, WLWL, WOO, WOS, WRVA, WTAG, WTIC, WWJ.

Atlantic or Eastern Daylight Saving Time Stations

CFCA, Toronto, Can. (356.9m-840kc), 9 p. m., CFCA's orchestra.
WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert; 8:30, concert.
WEAF, New York, N. Y. (491.5m-610kc), 6-12 mid., dinner music; Sofia Seitz, contralto; musical comedy hits; orchestra; Goldman band concert; Russian program, Emily Day, soprano; Ben Bernie and his orchestra; Vincent Lopez orchestra.
WEEI, Boston, Mass. (348.6m-860kc), 7:40 p. m., Lucerne-in-Maine quintet; 8:15, pop concert, Symphony hall.
WFI, Philadelphia, Pa., (394.5m-760kc), 6:45 p. m., Bellevue Stratford dance orchestra; 8, band and choruses from Sesquicentennial.
WHAR, Atlantic City N. J. (275.1m-1090kc), 8 p. m., Seaside hotel.
WIP, Philadelphia, Pa., (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 8:15, Hotel Ambassador orchestra; 8:30, program, Marine Studio; 8:45, Pat Conway's band; 9:30, dance orchestra, Million Dollar Pier; 10, Garden Pier dance orchestra; 10:45, Ted Weems' Novelty dance orchestra; 11:05, organ recital, Germantown theater.
WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Waldorf-Astoria Roof orchestra; 10:30, Hotel Astor Roof orchestra.
WMAK, Buffalo, N. Y. (265.5m-1130kc), 7:30-8:30 p. m., Buffalo theater symphony WFBL, WGY, WHAM; 8:30-10, musicale.
WMCA, New York, N. Y. (340.7m-880kc), 7 p. m., Tappen's orchestra; 8:30, Time-O-Stat musical program; 10:30, Stauch's orchestra; 11, Ernie Golden and his Hotel McAlpin orchestra; 12 m., McAlpin entertainers.
WNYC, New York, N. Y. (526m-570kc), 7 p. m., piano selections; 10, police quartet.
WOR, Newark, N. J. (405.2m-740kc), 6:30 p. m., Hotel Shelton ensemble; 7:30, Pryor's band; 9:15, Casino orchestra; 10:15, Brass quartet; 10:30, Monterey society orchestra; 11:15, Ben Bernie's Berkeley Carteret Grill orchestra.
WPG, Atlantic City, N. J. (299.8m-1000kc), 6:45 p. m., Arthur Scott Brook, organist; 7, Hotel Morton dinner music; 7:30, Hotel Shelburne dinner music; 8, Hotel Ambassador dinner concert; 8:30, Marine studio steel pier; 8:45, Pat Conway's band; 9:30, dance orchestra, 10:45, Ted Weems' Novelty orchestra; 11:30, Hotel Shelburne dance orchestra.

Eastern Standard or Central Daylight Saving Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 8:30 p. m., Westinghouse band concert.
KYW, Chicago, Ill. (535.4m-560kc), 7 p. m., hour of music; 8, KYW's Congress hotel studio; 9-10:30, classical concert; 10:30-12, Congress carnival.
WBBM, Chicago, Ill. (225.4m-1330kc), 8-2 a. m., Alemite orchestra; Ziegler Stars; Alemito orchestra; Vanity Fair orchestra.
WBZ, Springfield, Mass. (333.1m-900kc), 6 p. m., Capitol theater orchestra; 8, Fourth of July program; 8:30, Max I. Krulee and his Hotel Westminster orchestra; 9, James Newsworthy, harmonica soloist; 9:15, Dorothy May Todd, soprano and assisting artists.
WEBH, Chicago, Ill. (370.2m-810kc), 7-8 p. m., songs, Frank Greif; 9-10, Edgewater Beach hotel orchestra; 11-12, midnight, orchestra; Kay Ronayne; 1 a. m., orchestra; 1-2, frolic.

PRES[illegible] COOLIDGE'S INDEPENDENCE[illegible]

HIGH[illegible]

AMONG the fi[illegible] Sesquicenten[illegible] this summer[illegible] Coolidge whose [illegible] talk will be given [illegible] municipal stadium. [illegible] casting plans conc[illegible] mission of this sp[illegible] have not been giver[illegible] present time only [illegible] on the air.

Another interest[illegible] place in Philadelp[illegible] the opening July 1, [illegible] bridge, called the la[illegible] connecting the stat[illegible] and New Jersey [illegible] WLIT will broadca[illegible] ing program which[illegible] the dedication of t[illegible] of engineering. A[illegible] will be Governors [illegible] Pennsylvania and [illegible] New Jersey.

Hordes of cowboy[illegible] invading the pea[illegible] state of Michigan, [illegible] famous in the spri[illegible] of its blossoming [illegible] ever, all these w[illegible] western plains will [illegible] the Michigan Sta[illegible] where they will tal[illegible] Michigan rodeo. T[illegible] will go over th[illegible] WOOD. Tex Sherr[illegible] will describe the [illegible] place July 2-6.

Hotel Shelburne [illegible] bow, July 2, via [illegible] Wheeler Wadswort[illegible] of whom are inter[illegible] Mr. Wadsworth pri[illegible] tion of this group [illegible] ductor of several s[illegible] comedies, notably [illegible] James" and "The [illegible] His Radio program [illegible] the same kind of p[illegible]

Thursday,[illegible]

Headliners

Atlantic	Eastern	Centra[illegible]
9 p. m.	8	7

WBZ (333.1m-900kc), U. S.[illegible]
9:30 8:30 7:30
KDKA (309.1m-970kc), Dan[illegible]
WHAS (399.8m-750kc), 138t[illegible]
10 9 8
WHO (526m-570kc), Myrtle[illegible]
WIP (508.2m-590kc), Frolic[illegible]
10:30 9:30 8:30
KWWG (278m-1080kc), Mexica[illegible] Carlotta Villareal.
WRC (468.5m-640kc), Drama, WRC pl[illegible]
11 10 9 8
KFXF (250m-1200kc), Irish Melody Boy[illegible]
12 m. 11 10 9
WGHP (270.1m-1110kc), Heck and Mac.
WHT (399.8m-750kc), Lee Simms [illegible] Chasers.

Thursday, silent night for: CHIC, C[illegible] CNRE, CNRO, CNRR, CNRT, CNRV, C[illegible] KFH, KFOA, KFUO, KMOX, KOA, K[illegible] WCAP, WEAO, WEBJ, WEMC, WGI[illegible] WHAZ, WJJD, WMAK, WMAZ, WOOD, WSM, WSUI, WTAM.

Atlantic or Eastern Daylight Time Stations

CFCA, Toronto, Can. (356.9m-840kc), 11 p[illegible] Watson and his orchestra.

CKNC, Toronto, Can. (356.9m-840kc), 8 p[illegible] E. Bodey and his dance orchestra; Edgar[illegible]

WCAE, Pittsburgh, Pa. (461.3m-650kc), [illegible] dance concert; 8, concert; 8:15, WEAF [illegible] 10, WEAF.

WCAU, Philadelphia, Pa. (277.6m-1080kc), [illegible] Cathay orchestra; 7:30, Stettenburg symph[illegible] 8, Saddler's Plantation serenaders; 8:[illegible] Angler; 8:45, the Kardy Kids; 9, Ba[illegible] Irish tenor; 9:30, the Musical Chefs; 9 [illegible] Doolittle; 10, recital.

WEAF, New York, N. Y. (491.5m-610kc), [illegible] ner music; 7:3[illegible], midweek hymn sing; [illegible] Harvester, WLIT, WFI, WCAE, W[illegible] WWJ, WTAM; 9, Cliquot club Eski[illegible] WJAR, WTAG, WEI, WCAE, WSAI, W[illegible] WWJ, WOC, KSD, WCCO, WGN; 10, Si[illegible] orchestra, WEEI, WFI, WCAE, WWJ, [illegible] WCCO, WTAG, KSD, WSAI, WJAR, W[illegible] Buffalodians.

WEEI, Boston, Mass. (348.6m-860kc), 7:3[illegible] ceale; 8, WEAF.

WFI, Philadelphia, Pa. (394.5m-760kc), [illegible] Bellevue Stratford concert orchestra; 7, B[illegible] ford dance orchestra; 7:15, Keith-Albee V[illegible] ture; 8:15, WEAF; 9, WEAF; 10, WEA[illegible]

WGR, Buffalo, N. Y. (319m-940kc), 6:30 p.[illegible] cert Lenox Hotel Statler dance orchestra; 8, W[illegible]

WHAR, Atlantic City, N. J. (275.1m-1090kc), 8 p. m. Seaside hotel trio; 9, studio concert; 11, Follies Ber[illegible] gere dance orchestra.

WHN, New York, N. Y. (361.2m-830kc), 8 p. m., Will Oakland's chateau; 10:30, Leroy Smith's orchestra, 11:30, Everglades orchestra; 12, Sophie Tucker's playground.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 8, Sesquicentennial Councilmen Music Society; 9, Pat Conway's band; Carlo Perrotti, baritone; 9:30, Hotel Traymore concert orchestra; 10, frolic, Atlantic City Kiwanis club; 11:15, Silver Slipper club dance orchestra.

WJAR, Providence, R. I. (305.9m-980kc), 9 p. m., orchestra; 9-11, WEAF.

WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Hotel Pennsylvania concert orchestra; 7:40, Judge, Jr.; 7:55, United Press sporting; 8, First National presentation, WRC; 8:30, WRC; 9:30, Royal Typewriter Salon orchestra, WGY, WCAD, WRC; 10:30, the Record boys, WRC; 11, WRC.

Jack Denny's Babcock lake orchestra; 6:45, orchestra; 7:30, WRC; 8:30, WJZ; 9:30, Clinton Trumpet quartet; 10:30, Stephen E. Boisclair, organist.

WHT, Chicago, Ill. (399.8m-750kc), 7:10 p. m., Al Carney, organist; 8:45-10:15, (238m-1260kc), studio features; Lee Simms; 12 (399.8m-750kc), U. S. L. entertainers.

WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., dinner concert; 12, Ted Florito, Dan Russo, Marie Tully, Wayne Myers; Louis A. Webb, Rita McFawn, Smith and Ford.

WJAZ, Chicago, Ill. (329.5m-910kc), 9-12 mid., Leo B. Landry, baritone; Katherine, Margaret McDevitt, piano-duettists; Edmund B. Kelly, baritone; Temple male quartet; Marion O'Neil Holland, violinist; Spanish Garden studio classical program.

WJJD, Mooseheart, Ill. (370.2m-810kc), 5:30-7 p. m., dinner concert; Howard Peterson, organist; Palmer House symphony orchestra; Victorians; 8-9, child ork-

a. m., Novelty and jazz.

WADC, Akron, Ohio (258.5m-1160kc), 9 p. m., Silvertown Cord orchestra; 10, Roseland dance orchestra.

WBAP, Fort Worth, Texas (475.9m-630kc), 7:30-8:30 p.m., Davis Baking Powder saxophone octet; 9:30-11, Will Foster, organist; 11-12, Sorin White Top o' Texas orchestra.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 7 p. m., WEAF; 9, La Sebana program.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., Billy Adair's orchestra; 11:45-1 a. m., orchestra; Johnnie Campbell's orchestra; Earl Coleman's orchestra; Earl Thurston, organist.

WFAA, Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m., Jimmy Joy's orchestra; 8:30-9:30, Joseph B. Rucker, bass; Mrs. Rucker, pianist.

WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., 138th Field Artillery band.

WHB, Kansas City, Mo. (365.6m-820kc), 7-7:30 p. m.,

Atlantic	Eastern	Central	Mountain	Pacific
7:45 p. m.	6:45	5:45	4:45	3:45

WPG (299.8m-1000kc), S. Wheeler Wadsworth players.

8:15	7:15	6:15	5:15	4:15

WGY (379.5m-790kc), "The Anti Renters," WGY players.

9	8	7	6	5

KOA (322.4m-930kc), Open-air concert.
WMCA (340.7m-880kc), Piccadilly players.

9:30	8:30	7:30	6:30	5:30

WCOA (222m-1350kc), Robbye Cook, 12-year-old prodigy.

10	9	8	7	6

WBAL (245.8m-1220kc), Municipal band.
WLS (344.6m-870kc), Stephen Foster program.
WOOD (241.8m-1240kc), Roundup, Michigan State Fair grounds.
WSAI ([illegible]m-1060kc), Peabody ensemble singers.

[illegible]
Wsai,
Wip;
Whn;
Kths,
Wgbu,
Woj;
Webh,
11:45,
Khj, K[illegible]

8, W[illegible]
Weei,
Wmbb;
Wcau,
Kpo, K[illegible]
Whn, W[illegible]

PRES. COOLIDGE'S INDEPENDENCE DAY TALK FROM SESQUICENTENNIAL

HIGH LIGHTS OF THE AIR

AMONG the first visitors to the Sesquicentennial exposition this summer will be President Coolidge whose Independence Day talk will be given in the Philadelphia municipal stadium. Complete broadcasting plans concerning the transmission of this speech to the public have not been given out as yet. At the present time only WFI expects to go on the air.

Another interesting event to take place in Philadelphia this month is the opening July 1, of the suspension bridge, called the largest in the world, connecting the states of Pennsylvania and New Jersey at Philadelphia. WLIT will broadcast the early morning program which will take place at the dedication of this important piece of engineering. Among the speakers will be Governors Gifford Pinchot of Pennsylvania and A. Harry Moore of New Jersey.

Hordes of cowboys and cowgirls are invading the peaceful agricultural state of Michigan, a state hitherto famous in the spring for the beauty of its blossoming fruit trees. However, all these wild riders of the western plains will be confined within the Michigan State Fair grounds where they will take part in the first Michigan rodeo. The entire spectacle will go over the microphone of WOOD. Tex Sherman, rodeo veteran, will describe the events which take place July 2-6.

Hotel Shelburne makes its Radio bow, July 2, via WPG, with the S. Wheeler Wadsworth players, twelve of whom are internationally known. Mr. Wadsworth prior to his organization of this group was musical conductor of several successful musical comedies, notably "Little Jessie James" and "The Rainbow Girls." His Radio programs promise to show the same kind of pep.

Summer brings the return of the New York Philharmonic orchestra to the air. Wednesdays, July 7 and 14, WJZ will broadcast this program at 8:30 p. m. Eastern daylight saving time. Saturday, July 10, WJZ and WRC will both broadcast.

Songs of the sea, luring the inland listener to the Atlantic coast will be the feature of the Wednesday, July 7, program at WRVA, Richmond, Va., when the Marines quartet takes to the ether. The only remedy on the Radio horizon this same evening to offset the roving effect of these songs is the medicine show at WLS, Chicago. Kruger and Dillon will reproduce the old-time medicine show and only the airline distance will save the listener from buying old-time favorite patent remedies.

A deaf man has been selected to sell the idea of a symphony orchestra over Radio. Arthur S. Garbett, famous for his contributions to musical literatures in notes and print, will give a short talk about a concert to be played by the San Francisco Symphony orchestra the day following, and his remarks will be illustrated by an instrumental trio before the KGO microphones, Saturday night, July 10, between 9 and 9:30 p. m. Pacific time. Although a composer of wide experience, and an expert on the orchestra, Garbett is about fifty per cent deaf, and hears only with the aid of mechanical devices.

Another departure from the conventional studio offering will be made Monday evening, July 12, when KOA, Denver, broadcasts a special burlesque program, the scene of which will be laid in the imaginary "Midwest Lyceum Bureau and Booking Agency." Two hours will be devoted to rehearsals, assembling of acts and judging aspiring professionals. Tune in and give your opinion.

GENTLEMEN could have no objections to the little lady on the right even if they did not prefer blondes. Peggy Mathews, owner of this golden hair, is a favorite singer at KFWB. She won a silver loving cup for being the most popular entertainer at this station. On the left is your French teacher, Madame Ida Tcimpidis, who has been giving lessons in this language for the past two years at WLW. Tune in every Tuesday at 4:10 p. m. Eastern standard time. Fans who have enjoyed the Atwater Kent programs all winter will like the semi-classical concerts being given Sunday evenings over the WEAF chain by the popular Irish tenor, Allen McQuhae, and the Atwater Kent orchestra. Mr. McQuhae may be seen at the microphone, above. Nicholas Beresowsky leader of the orchestra is standing at the right.

Thursday, July 1

Headliners Today

Atlantic Eastern Central Mountain Pacific
9 p. m. 8 7 6 5
WBZ (333.1m-900kc), U. S. Navy band.
9:30 8:30 7:30 6:30 5:30
KDKA (309.1m-970kc), Dances of All Nations.
WHAS (399.8m-750kc), 138th Field Artillery band.
10 9 8 7 6
WHO (526m-570kc), Myrtle Williams, soprano.
WIP (508.2m-590kc), Frolic, Kiwanis club.
10:30 9:30 8:30 7:30 6:30
KWWG (278m-1080kc), Mexican Songs, Senorita Carlotta Villareal.
WRC (468.5m-640kc), Drama, WRC players.
11 10 9 8 7
KFXF (250m-1200kc), Irish Melody Boys.
12 m. 11 10 9 8
WGHP (270.1m-1110kc), Heck and Mac.
WHT (399.8m-750kc), Leo Simms and Gloom Chasers.

Thursday, silent night for: CHIC, CKNC, CNRA, CNRE, CNRO, CNRR, CNRT, CNRV, CNRW, KFAB, KFH, KFOA, KFUO, KMOX, KOA, KOB, WAHG, WCAP, WEAO, WEBJ, WEMC, WGBF, WHAD, WHAZ, WJJD, WMAK, WMAZ, WOOD, WOR, WOS, WSM, WSUI, WTAM.

Atlantic or Eastern Daylight Saving Time Stations

CFCA, Toronto, Can. (356.9m-840kc), 11 p. m., Gilbert Watson and his orchestra.
CKNC, Toronto, Can. (356.9m-840kc), 8 p. m., Charles F. Bodley and his dance orchestra, Edgar Smith, ba...
WCAE, Pittsburgh, Pa. (461.3m-650kc), 6 p. m., dinner concert, 8, concert, 8:15, WEAF; 9, WEAF; 10, WEAF.
WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:30 p. m., Cathay orchestra; 7:30, Snellenburg symphony orchestra; 8, Schiller's Plantation serenaders; 8:30, Clifton's Angler; 8:45, the Kanoh Kids; 9, Barry O'Moore, Irish tenor; 9:30, the Musical Chefs; 9:45, Professor Doolittle; 10, recital.
WEAF, New York, N. Y. (491.5m-610kc), 6 p. m., dinner music; 7:30, midweek hymn sing; 8:15, Hires Harvesters, WEEI, WFI, WCAE, WLIB, WSAI, WWJ, WTAM; 9, Clicquot club Eskimos, WEEI, WJAR, WTAG, WFI, WCAE, WSAI, WTAM, WGR, WWJ, WOC, KSD, WCCO, WGN; 10, Silvertown Cord orchestra, WEEI, WFI, WCAE, WWJ, WGR, WOC, WCCO, WTAG, KSD, WSAI, WJAR, WGN, WADC, Buffalodians.
WEEI, Boston, Mass. (348.6m-860kc), 7:30 p. m., musicale; 8, WEAF.
WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra, 7, Bellevue Stratford dance orchestra, 7:15, Keystone Auto club feature; 8:15, WEAF; 9, WEAF; 10, WEAF.
WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., Vincent Lopez Hotel Statler dance orchestra, 8, WEAF.
WHAR, Atlantic City, N. J. (275.1m-1090kc), 8 p. m., Seaside hotel trio; 9, studio concert, 11, Follies Bergere dance orchestra.
WHN, New York, N. Y. (361.2m-830kc), 8 p. m., Will Oakland's chateau, 10:30, Leroy Smith's orchestra 11:30, Everglades orchestra; 12, Sophie Tucker's playground.
WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra, 8, Sesquicentennial Chamber Music society; 9, Pat Conway's band; Carlo Ferretti, baritone; 9:30, Hotel Traymore concert orchestra, 10, frolic, Atlantic City Kiwanis club, 11:15, Silver Slipper club dance orchestra.
WJAR, Providence, R. I. (305.9m-980kc), 9 p. m., orchestra; 9-11, WEAF.
WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Hotel Pennsylvania concert orchestra; 7:30, Jodie, Jr.; 7:55, United Press sporting; 8, First National presentation, WRC; 8:30, WRC; 9:30, Royal Typewriter Salon orchestra, WGY, WCAD, WRC; 10:30, the Record boys, WRC; 11, WRC.
WLIT, Philadelphia, Pa. (394.5m-760kc), 10 a. m., official opening Delaware River bridge; speeches by Governor Gifford Pinchot of Pa. and A. Harry Moore of New Jersey; band concerts; 7:30, Benjamin Franklin concert orchestra.
WMCA, New York, N. Y. (340.7m-880kc), 7 p. m., Hofbrau Haus entertainers; 8, Roemer's Homers; 9, Solow soloists, 9:30, Columbia Park entertainment; 10, Woodmansten Inn orchestra; 11, Ernie Golden and his Hotel McAlpin orchestra; 12, McAlpin entertainers.
WNYC, New York, N. Y. (526m-570kc), 6:10 p. m., piano selections.
WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Adelphia Roof Garden orchestra.
WOR, Newark, N. J. (405.2m-740kc), 6:30 p. m., Jacques Jacobs Hotel Shelton ensemble.
WPG, Atlantic City, N. J. (299.8m-1000kc), 6:45 p. m., Arthur Scott Brook, organist; 7, Hotel Morton dinner music; 7:45, Hotel Ambassador dinner music; 8:30, Alice Warren Sachse, pianist; 8:45, Pat Conway's band; 9:30, Hotel Traymore concert orchestra; 10, Atlantic City Kiwanis club; 11:15, Silver Slipper Supper club dance orchestra.
WTAG, Worcester, Mass. (267.7m-1120kc), 7:30 p. m., Safety club; 8-9, program; 9-10, WEAF; 10-11, WEAF.

Eastern Standard or Central Daylight Saving Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 8:30 p. m., with famous composers, "Dances of All Nations," symphony players; 9, Symphony players; Elsie Breese Mitchell, soprano; 10:05, Post dance program.
KYW, Chicago, Ill. (535.4m-560kc), 7 p. m., musicale, Hearst square; 9-10:30, classical concert; 10:30-11:30, Congress carnival.
WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., WBAL dinner orchestra; 8-8:30, Frederick D. Weaver, organist, 8:30-9, WBAL mixed quartet; 9-10, WBAL trio; John Wilbourn, tenor.
WBBM, Chicago, Ill. (225.4m-1330kc), 8-11:30 p. m., popular music; Moss Coterest melody period, Alemite orchestra, artists; 11:30-12, supper club.
WBZ, Springfield, Mass. (333.1m-900kc), 6 p. m., Bob Patterson's Hotel Kimball trio; 6:45, Hotel Lenox ensemble; 8, the U. S. Navy band; 9, Sumner Prindle, pianist; Willard Clark, baritone; 9:30, Martino quintet.
WCBD, Zion, Ill. (344.6m-870kc), 9 p. m., male chorus, celestial bells; Edna Reynolds, soprano; E. B. Paxton, baritone; Daniel Mason, trombonist; John Studebaker, clarinetist; Mrs. Susie Barton-Smith, reader; John Mehaffey, pianist.
WEBH, Chicago, Ill. (370.2m-810kc), 7 p. m., special recital; 9, orchestra; Ruth Buhl Flick, reader; Dorothy Herman Blum; Indiana male quartet; 11-12:30, orchestra; Pat Ward; Rita McFawn, Mary Bleber.
WENR, Chicago, Ill. (265.3m-1130kc), 6-7 p. m., Rauland lyric trio; 8-10, All-American pioneers.
WGES, Oak Park, Ill. (249.9m-1200kc), 5-7 p. m., organ music, artist pupils, Chicago Musical college; Peggy O'Neill, Esther Richards; 8-9, Jimmy Wall; Guyon's Paradise; Leon Hayes; 11-12, Flo and Ray, Pod Flenatty; Melody Girls; Penbo Pante.
WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert, 10, Fredlkers; Heck and Mac; Mr. and Mrs. Eddie McGrath; Motortown trio; 11, Skylark dance band; Winifred Runton, mezzo soprano; Harry Hayes, baritone; 12-1 a. m., Gerald Marks' orchestra.
WGN, Chicago, Ill. (302.8m-990kc), 6:35-7 p. m., Drake concert ensemble; 8-9, WEAF; 9-10, WEAF; 10-10:10, ensemble.
WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., Jack Denny's Babcock lake orchestra; 6:15, orchestra; 7:30, WRC; 8:30, WJZ; 9:30, Clionick Trumpet quartet, 10:30, Stephen E. Boisclair, organist.
WHT, Chicago, Ill. (399.8m-750kc), 7:10 p. m., Al Carney, organist, 8:45-10:15 (238m-1260kc), studio features; Leo Simms; 12 (399.8m-750kc), U. S. L. entertainers.
WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., dinner concert, 12, Ted Fiorito, Dan Russo, Marie Tully, Wayne Myers; Louis A. Webb, Rita McFawn, Smith and Ford.
WJAZ, Chicago, Ill. (329.5m-910kc), 9-12 mid., Leo R. Landis, baritone; Katherine Margaret McDevitt, piano-duettists; Edmund R. Kelly, baritone, Temple male quartet, Marlyn O'Neil Holland, violinist; Spanish Garden studio classical program.
WJJD, Mooseheart, Ill. (370.2m-810kc), 5:30-7 p. m., dinner concert; Howard Peterson, organist; Palmer House symphony orchestra; Victorians; 8-9, child artists, solos, bands; 10-11, Victorians, quartet; 12:30 a. m., Knights of the Burning Candle.
WLIB, Chicago, Ill. (302.8m-990kc), 7-7:05 p. m., Million Sing; 7:05-7:15, Old-fashioned almanack; 7:15-8, WEAF; 11-11:20, Correll and Gosden, 11:20-1 a. m., Liberty studio ensemble; Ambrose Larsen, organist; Tommy Thatcher's Drake hotel dance orchestra; Purple Grackle orchestra.
WLS, Chicago, Ill. (344.6m-870kc), 6:30 p. m., Elsie Mae Look, organist; 6:15, Maurie Sherman's college Inn orchestra; 7:15, Rose Sherman, violinist; Marie Ludwig, harpist; 7:30, Al Melgard, organist; 7:50, Voice of the Listener; 8:10, Maurie Sherman's College Inn orchestra; 8:20, Mu Phi Epsilon concert.
WLW, Cincinnati, Ohio (422.3m-710kc), 6:15 p. m., Norine Gibbons and Priscilla Holbrook; 7, dinner concert, Hotel Gibson; 7:30, three-minute message, U. S. Civil service; 7:45, Hotel Gibson concert; 8, the Eagle quartet; 8:30, Hilary Harrod and Forest Hellman; 9, Al Katz and his Kittens; 10, Doherty Melody Boys; 11, Irene Downing and Tommy Reynolds; 11:30, dance selections, Henry Theis Castle Farmers; 12:15, Night Howls.
WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Hotel LaSalle orchestra; 8, program; 9:20, music.
WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon ensemble; Hernes Brothers, Hungarian Harmonica Twins; 9-11, Trianon orchestra; ensemble, Wellington Forbes, Bob Bennet, Bob Duffy.
WOK, Chicago, Ill. (217.3m-1380kc), 6-7 p. m., Tip Top Inn string ensemble; 10-1:30 a. m., Tearney's Town club orchestra; Carl Lorraine's Pershine Palace orchestra; Midway Garden orchestra; Capitol theater program.
WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Gardens orchestra; staff artists; 10-2 a. m., Jerry Sullivan; Harry Geise; Lew Butler; Bert Davis, Two Frenchmen.
WRC, Washington, D. C. (468.5m-640kc), 7 p. m., WJZ; 7:30, U. S. Marine band, WJZ, WGY; 9, WJZ; 9:30, WRC players; 10:30, Meyer Davis' Swanee syncopators, WJZ.
WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., dinner concert; Gold Standard ensemble; Speed-Wagon serenaders; musical program; vocal and instrumental solos.
WRVA, Richmond, Va. (256.3m-1170kc), 8:45 p. m., spirituals, Negro quartet; 9:15, Brockwell string band; 10, songs of England, France, Italy, Germany, Canada, U. S.; 11, Carry Me Back to Old Virginny.
WSAI, Cincinnati, Ohio (325.9m-920kc), 7:15 p. m., WEAF.
WSWS, Chicago, Ill. (275.1m-1090kc), 6 p. m., Stephen A. Day, Rita McFawn, Hugh Aspinwall, tenor; Josephine Oliver, violinist; Marjorie Terry, pianist; orchestra; Golden trio; 10-11, Terrace Gardens quintet; "That Old Sweetheart of Mine"; 11-12, Hallelujah Boys; Kenneth Clark; Rudy Winter; Billy Schaefer; Hamilton Harding; 12-1, Witching hour.
WTAM, Cleveland, Ohio (389.4m-770kc), 6:15 p. m., Hollenden hotel orchestra; 7:15-9, WEAF; 9, studio program; 11, Collegian serenaders.
WTIC, Hartford, Conn. (475.9m-630kc), 7 p. m., popular songs, Gertrude Coledesky; 7:30, vocal recital; 8, For-an-to Melody Makers; Travelers male quartet, 9, Hotel Bond dance orchestra.
WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7, WEAF.

Central Standard Time Stations

CKY, Winnipeg, Man. (384.4m-780kc), 9, p. m., J. A. Banfield company program; Canadian Pacific railway orchestra.
KFH, Wichita, Kans. (267.7m-1120kc), 6:30 p. m., Radio piano playing contest; 7, Markle and Al Hiner, harmony team.
KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., White Cloud, Kansas.
KLDS, Independence, Mo. (440.9m-680kc), 8 p. m., Silvertone male quartet.
KMA, Shenandoah, Iowa (252m-1190kc), 6-7 p. m., organ.
KOIL, Council Bluffs, Iowa (278m-1080kc), 6:30 p. m., dinner program, Art Marr's Imperial orchestra; 7, G. H. Nelson Paint company program; 8, program; 11, Hotsy Totsy hour.
KPRC, Houston, Texas (296.9m-1010kc), 7:30 p. m., Harry Kobusch and his orchestra; 9, Southern Pacific Lines glee club.
KSO, Clarinda, Iowa (241.8m-1240kc), 8 p. m., Clarinda municipal band.
KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:05-10 p. m., solo hour, KTHS vocal and instrumental staff artists.
KVOO, Bristow, Okla. (374.8m-800kc), 8-9 p. m., surprise program.
KWWG, Brownsville, Texas (277.6m-1080kc), 8:30-9 p. m., Roy Garcia, violinist, Senorita Carlotta Villareal, Mexican songs, 9-9:15, Mrs. C. W. Davenport, contralto; 9:15-9:40, B Flat quartet; 12:01-1:00 a. m., Novelty and jazz.
WADC, Akron, Ohio (258.5m-1160kc), 9 p. m., Silvertown Cord orchestra, 10, Roseland dance orchestra.
WBAP, Fort Worth, Texas (475.9m-630kc), 7:30-8:30 p. m., Davis Baking Powder saxophone octet; 9:30-11, Will Foster, organist; 11-12, Sorin White Top o' Texas orchestra.
WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 7 p. m., WEAF, 9, La Salama program.
WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., Billy Adair's orchestra; 11:45-1 a. m., orchestra; Johnnie Campbell's orchestra; Earl Coleman's orchestra; Earl Thurston, organist.
WFAA, Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m., Jimmy Joy's orchestra; 8:30-9:30, Joseph B. Rucker, bass; Mrs. Rucker, pianist.
WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., 138th Field Artillery band.
WHB, Kansas City, Mo. (365.6m-820kc), 7-7:30 p. m., organ concert; 8-9:15, Foster, Hall, Stone, Rubber Triplets.
WHO, Des Moines, Iowa (526m-570kc), 7:30-8 p. m., Younker tea-room orchestra; 8-9, Bankers' Life trio; Stewart Watson, baritone; Myrtle Williams, soprano.
WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Cooper's Hawaiians.
WOAI, San Antonio, Texas (394.5-760kc), 8:30 p. m., Mistletoe Melody Maids.
WOAW, Omaha, Nebr. (526m-570kc), 6 p. m., Elks' organ; 6:25, Francis Potter; 6:50, orchestra; 9, classical.
WOC, Davenport, Iowa (483.6m-620kc), 6-6:15 p. m., WEAF; 9-9:30, Moline Plowboys.
WORD, Chicago, Ill. (275.1m-1090kc), 8:00 p. m., musical program.
WRR, Dallas, Texas (245.8m-1220kc), 6-7 p. m., Jack Gardner's orchestra; 8-9, musicale; 9:30-10:30, Dyo duo.
WSMB, New Orleans, La. (319m-940kc), 8:30-10:30 p. m., Schilling's Society serenaders; Radio Revelers; Liberty theater dance program.
WSOE, Milwaukee, Wis. (245.8m-1220kc), 7 p. m., Elks club studio; 8, Bible class, Dr. J. C. O'Hair; 9, Lakefront studio.

Mountain Standard Time Stations

KFXF, Colorado Springs, Colo. (249.9m-1220kc), 9 p. m., Irish melody boys with Ernest McGee, entertainer.
KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., students, University of California; 8-9, Kanner string trio; 9-10, How... McKee, D. Reeves Boyd, flutist; 10-11, Patrick-Marsh dance orchestra.
KFWB, Hollywood, Calif. (252m-1190kc), 6-7 p. m., Pontiac 6 dinner hour; 7-8, program, O'Neal and Son; 8-9, program, McGavin Brothers bakery; 9-10, program, Dell's Ice Cream; 10-11, Warner Brothers frolic.
KGO, Oakland, Calif. (361.2m-830kc), 8-9 p. m., vacation program; Marcy Amsterdam, Original Radio mimic; Anita Romano, guitarist; Fishin' Jim Pike. WOW male trio; 9, Brokaw and orchestra.
KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-10, vaudeville program, Four Sailors; Ebony and Ivory, piano duet; Motor Coach entertainers; Tommy Luke's Flower girls; 10-12, Cole McElroy's dance orchestra.
KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., children's hour, Uncle John; 8-10, Times de luxe program, 10-11, Heffner's Sunnyland Seven.
KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7 p. m., Rudy Seiger's Fairmont hotel orchestra; 8, program, Caswell Coffee company; 9-10, banquet program, H. O. Harrison company; 10-11, Mandarin cafe orchestra.
KPSN, Pasadena, Calif. (315.6m-950kc), 8-9 p. m., musicale, Pasadena chamber of commerce.

Friday, July 2

Headliners Today

Atlantic Eastern Central Mountain Pacific
7:45 p. m. 6:45 5:45 4:45 3:45
WPG (299.8m-1000kc), S. Wheeler Wadsworth players.
8:15 7:15 6:15 5:15 4:15
WGY (379.5m-790kc), "The Anti Renters," WGY players.
9 8 7 6 5
KOA (322.4m-930kc), Open-air concert.
WMCA (340.7m-880kc), Piccadilly players.
9:30 8:30 7:30 6:30 5:30
WCOA (222m-1350kc), Robbye Cook, 12-year-old prodigy.
10 9 8 7 6
WBAL (245.8m-1220kc), Municipal band.
WLS (344.6m-870kc), Stephen Foster program.
WOOD (241.8m-1240kc), Roundup, Michigan State Fair grounds.
WSM (282.8m-1060kc), Peabody ensemble singers.

DANCING

Central Time

Saturday

9, Webb, Wjaz, Wmbb, Wnyc, Wreo; 9:10, Kths, Wip; 9:30, Kths, Wgbs, Wor, Wrc; 10, Kfve, Kfwa, Koa, Kpo, Weaf, Wgn, Wjaz, Wjr, Wkrc, Wmca, Wnyc, Wor, Wqj, Wreo, Wtam; 10:05, Wcco; 10:30, Wamd; 10:45, Wls; 11, Kfwa, Kfwb, Kpo, Webh, Wfaa, Wgbu, Who, Wjaz, Woc; 11:30, Kfoa, 11:45, Wdaf; 12, Kgo, Kgw, Knx, Wgbu, Wjaz, Wjjd.

Monday

8, Wgcp; 9, Wgbu, Wjar, Wor; 9:15, Wahg; 10, Kths, Wgbu, Wgcp, Wgr, Wnyc, Wpg; 10:15, Wor; 10:30, Wgcp, Whn; 11, Kgw, Koil, Wgbu, Wgcp, Wgr, Whn, Who, Wjaz; 11:45, Wdaf; 12, Knx, Kpo.

Tuesday

8, Wpg; 9, Wpg; 9:30, Kths; 10, Wbbm, Weaf, Webh, Wgbu, Wgn, Whn, Wmca, Wnyc, Wpg; 10:15, Kths; 10:30, Kths, Whn; 10:45, Wsb; 11, Kgw, Koil, Wgbu, Whn, Wjaz; 11:45, Wdaf; 12, Kgw, Khj, Knx, Kpo, Wdaf, Wjaz; 1, Wqj.

Wednesday

9, Wcx, Webh, Wgbu, Wgcp, Who, Who, Wjaz, Wmbb, Wmca, Wtic; 9:15, Wahg; 9:30, Wbap, Who, Wor; 10, Kfve, Wbap, Weaf, Wgbu, Wgcp, Wjaz, Wqj; 10:05, Wcco; 10:30, Wbap, Whn; 11, Koil, Kpo, Webh, Wgbu, Wgr, Wgr, Whn, Wjaz; 11:45, Wdaf; 12, Kfwa, Knx, Kpo, Wjaz, Wjjd.

Thursday

8, Wjr; 9, Webh, Weei, Wgbu, Who, Wjr, Wmbb, Wsai, [illegible] 9:05, Wbz, Wip, 9:30, Wgbs, Wgy, Whn; 9:55, Wnyc; 10, Kths, [illegible], Weaf, Wgbu, Whn, Wmca, Wpg, Wqj; 10:30, Kths, Whn, Webh, [illegible], Wor; 11:45, [illegible] 12, Kgo, Khj, Knx, Kpo, Wjjd.

Friday

8, Wqj; 9, Wcx, Webh, Weei, [illegible], Wmbb; [illegible] 10, Kfve, [illegible], Kpo, [illegible], Wgbu, Wgep, Whn, [illegible]

Atlantic Eastern Central Mountain Pacific
10:30 p. m. 9:30 8:30 7:30 6:30
WFAA (475.9m-630kc), Schubert choral club.
10:45 9:45 8:45 7:45 6:45
WTIC (475.9m-630kc), Debutants.

Friday, silent night for: CFAC, CKAC, CKNC, CKY, CNRC, CNRM, CNRO, CNRR, CNRW, KFXF, KLDS, KPRC, KPSN, KSAC, WBBR, WCAD, WCBD, WEAO, WGBS, WGST, WHAZ, WIP, WJAZ, WKRC, WLW, WLWL, WOR, WRC, WREO, WRVA, WSAI, WSMB, WSUI, WTAM.

Atlantic or Eastern Daylight Saving Time Stations

WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert; 8, studio program; 9:30, concert; 10, WEAF; 10:30, WEAF.
WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:45 p. m., Hotel Pennsylvania orchestra; 7:30, Snellenburg instrumental trio; 8, Sullivan Brothers, ukulele; 8:15, Enrico Sresoni, operatic tenor; 8:30, Singing Groundhog; 8:45, Dwight Strickland, "poetician"; 9, the Regina Crooners; 9:15, Nasco Jolly Four; 9:45, Jack and Jill, songs; 10, Archie Lloyd, Tillie Shapiro and Kathryn Jordan, harmony songs; 10:30, Myers' musical architects.
WEAF, New York, N. Y. (491.5m-610kc), 6-12 midnight, dinner music; Gene Ingraham and his Great Top Notch Inn orchestra; Whittal Anglo-Persians; Pelham Heath Inn orchestra.
WEEI, Boston, Mass. (348.6m-860kc), 7:30 p. m., Whiting Milk company program; 8, musicale; 8:30, Sandy MacFarla..; 9, Musical Chef; 9:30, WEAF; 10:30, Ed Andrews' Nautical dance orchestra.
WFI, Philadelphia, Pa. (394.5m-760kc), 6:45 p. m., Bellevue Stratford dance orchestra.
WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., orchestra; 7:30, WEAF; 8:30, soloists; 9:30, WEAF; 10:30, band; 11:30, Vincent Lopez Hotel Statler dance orchestra.
WHAR, Atlantic City, N. J. (275.1m-1090kc), 8 p. m., Seaside hotel trio.
WHN, New York, N. Y. (361.2m-830kc), 7 p. m., Country club orchestra; 7:30, Treasureland neighbors; 8, Uncle Robert's chat; 10, Roseland dance orchestra; 10:30, Strand roof orchestra; 11:30, Club Alabam orchestra; 12, Silver Slipper orchestra.
WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 7, Uncle Wip's bedtime stories, songs, Mary and Helen Leedom.
WJAR, Providence, R. I. (305.9m-980kc), 8 p. m., musicale; 8:30, Gorman's Jolly Bakers; 9, musicale; 10, WEAF; 11, Providence Biltmore dance orchestra.
WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., George Olsen's Hotel Pennsylvania roof orchestra; 8, Sundial Shoe serenaders, Bonnie Laddies; 9, Snider's Catsup hour; 10:30, Harold Stern's Hotel Belleclaire roof orchestra.
WLIT, Philadelphia, Pa. (394.5m-760kc), 8 p. m., Pioneer Storage Battery entertainers; 9, Schickerling artist; 10, Morning Glory club concert; Arcadia cafe dance orchestra; 10:30, Rufus and Rastus; 11, Freshman Masterpiece Radio hour.
WMAK, Buffalo, N. Y. (265.3m-1130kc), 6:30 p. m., Hotel Lafayette orchestra; 8:15-10:30, WGY players; 10:30-11:30, University Terrace Sub-Division program.
WMCA, New York, N. Y. (340.7m-880kc), 6:30 p. m., Ernie Golden and his Hotel McAlpin orchestra; 7:30, Sach's quality boys; 8:30, "Muscle Shoals"; 9, Paul Whitman's Piccadilly players; 9:30, Klein's Serenading Shoemakers; 10, readings; 11, Jack Denny's orchestra; 12, McAlpin entertainers.
WNYC, New York, N. Y. (526m-570kc), 6 p. m., piano selections.
WOO, Philadelphia, Pa. (508.2m-590kc), 11 a. m., organ recital; 12:02 p. m., Crystal tea room orchestra; 4:45, organ recital; 8:05, WOO orchestra; 9:25, Fox theater program; 10, WEAF; 10:30, Sylvania dance orchestra; 11, dance music.
WOR, Newark, N. J. (405.2m-740kc), 6:15 p. m., Hotel Bretton Hall string quartet.
WPG, Atlantic City, N. J. (299.8m-1000kc), 6:15 p. m., Arthur Scott Brook, organist; 7, Hotel Traymore dinner music; 7:45, Hotel Shelburne dinner music; 8:30, Marine studio; 9, Hotel Ambassador concert orchestra; 10, Ted Weems and his Novelty dance orchestra; 10:30, Hotel Traymore Grille dance orchestra; 11, Jean Weiner, organist.
WTAG, Worcester, Mass. (267.7m-1120kc), 8:15 p. m., [illegible]

Eastern Standard or Central Daylight Saving Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 8:30 p. m., concert, faculty of P. M. I.
KYW, Chicago, Ill. (535.4m-560kc), 7 p. m., musicale; 8-9, Federal Masters; 10:30-12, Congress carnival.
WBAL, Baltimore, Md. (245.6m-1220kc), 6:30-7:30 p. m., WBAL dinner orchestra; 8-9, musicale; 9-10, Municipal band.
WBBM, Chicago, Ill. (225.4m-1330kc), 8-10 p. m., Saftey First playlet; Alemite High Pressure orchestra; Vanity Fair orchestra.
WBZ, Springfield, Mass. (333.1m-900kc), 6 p. m., Hotel Lenox ensemble; 6:45, Bob Patterson's Hotel Kimball trio; 9, John Kerwan, mandolinist; Timothy Cahill, guitarist; 9:30, Hotel Brunswick orchestra.
WCAP, Washington, D. C. (468.5m-640kc), 7-9 p. m., popular science talk; 9-9:30, WEAF; 9:30-10, studio program.
WEBH, Chicago, Ill. (370.2m-810kc), 7 p. m., Osborn's orchestra; Bernard Weber, Pauline Sachs; 9, Osborn's orchestra; Bernard Weber; 11-12:30 a. m., orchestra; Irene Beasley; Flo and Ray, Cook Sisters.
WENR, Chicago, Ill. (265.3m-1130), 6-7 p. m., Rauland lyric trio; 8-9, Moody Bible Institute hour; 9-10, Arthur Dunas, popular program; 12-2 a. m., midnite frolic.
WGES, Oak Park, Ill. (249.9m-1200kc), 5-7 p. m., old-time favories, Art Bilquist, Will Rossiter, Pat Ryan, Peggy and Esther, Eddie Freckman; 8-9, Joe Warner, Jole Walsh, Tom Wheeler, Melody Girls; 11-1 a. m., Clarence Theders, Esther Richards, Pat Ryan.
WGHB, Clearwater, Fla. (265.3m-1130kc), 8:30-10 p. m., Frederick Hubbard, organist.
WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert; 10, entertainers; 11, Skylark dance band; T. Stanley Perry, tenor; Dick Quinlan, saxophonist; 12-1 a. m., Gerald Marks' orchestra.
WGN, Chicago, Ill. (302.8m-990kc), 6:35-7 p. m., musical program; Drake concert ensemble, Blackstone string quintet; request program; 7:15-8:15, Paul Ash; 8:15, musicale; 9, WEAF; 9:30-10, Phanton violin; 10-10:10, Sam 'n' Henry; 10:10-11, musical program, ensemble.
WGY, Schenectady, N. Y. (379.5m-790kc), 6 p. m., Hotel Van Curler orchestra; 6:35, WGY orchestra; 7:15, "The Anti Renters," WGY players; 9:30, WGY orchestra; Theodore Von den Blick, cornetist.
WHT, Chicago, Ill. (299.8m-750kc), 7 p. m., Al Carney, 7:40, chapel; 10:15 (238m-1260kc), musical features; 10:30, (399.8m-750kc), Sunbeam Girl; 12 midnight, your hour league.
WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., dinner program, string trio; Charlotte Edwards, contralto; 10-2 a. m., popular program; Ted Fiorito, pianist; Dan Russo, violinist; songs, monologues; Tony Corcoran; Hickey and Johnson.
WJAZ, Chicago, Ill. (329.5m-910kc), 9-12 mid., Earl Hoffman's Chez Pierre orchestra; Walter Levis, baritone; Eulalie Kober, pianist; The Quips That Pass In The Night.
WJJD, Mooseheart, Ill. (370.2m-810kc), 5:30-7 p. m., Jack Nelson; Howard Peterson, organist; Victorians; 8-9, child artists, solos, bands; 10-11, Senator Harold C. Kessinger; Palmer House Victorians; 12:30 a. m., Settin' Up hour.
WLIB, Chicago, Ill. (302.8m-990kc), 7-7:05 p. m., Million Sing; 7:05-7:15, Old-fashioned almanack; 11-11:20, Correll and Gosden; 11:20-1 a. m., Liberty studio ensemble; Ambrose Larsen, organist; Tommy Thatcher's Drake hotel dance orchestra; Fred Hamm's Purple Grackle orchestra.
WLS, Chicago, Ill. (334.6m-870kc), 6:30 p. m., Elsie Mae Look, organist; 6:45, Maurie Sherman's College Inn orchestra; 7:15, Rose Sherman, violinist; Marie Ludwig, harpist; 7:30, Al Melgard, organist; 7:50, Voice of the Listener; 8-10, College Inn orchestra; 9 Stephen Foster program; 10, popular music; 11, Ralph Emerson, organist.
WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Wide-Awake club program; 8, George Simons, tenor; 8:30, Whitney trio; 9:20, musical program, chimes.
WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon duo, special artists, old-time songs; 9-11, Trianon orchestra; trio; Krueger and Dillon, banjo barons; Joe Warner, popular program.
WOK, Chicago, Ill. (217.3m-1380kc), 6-7 p. m., Tip-Top Inn string ensemble concert; 10-1:30 a. m., Tearney's Town club orchestra; Midway Garden orchestra; Capitol theater program.
WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9 p. m., World Championship Roundup, Michigan State Fair grounds; 10.05, classical concert, Emma Scott Sweet, director.
WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Gardens orchestra; 10-2 a. m., Rainbo Gardens orchestra; Dr. H. Lucille Long, woman harmonica player; Muriel Olsen; Johnny Post.
WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., dinner concert; Speed-Wagon serenaders; Gold Standard ensemble; miscellaneous program.
WRVA, Richmond, Va. (256.3m-1170kc), 9:30-12:30 a. m., Ellsworth party night.
WSWS, Chicago, Ill. (275.1m-1090kc), 6-7 p. m., Josephine Oliver; Edward Holt, pianist; Alice Marie Martel, Fay and Martel; 8, Gus Edwards orchestra; Borden Brothers; Harmony Douglas Bowers; John Clark; 10, Terrace Gardens quintet, Ruth Boutay; Sid Pierson; Freddie Wittmer; Flo and Ray, 12-1 a. m., Witching hour.
WTAM, Cleveland, Ohio (389.4m-770kc), 6:45 p. m., Hotel Cleveland orchestra; 8, orchestra program; 9, WEAF; 9:30, studio program; 11, Austin Wylie's Vocalian Recording orchestra.
WTIC, Hartford, Conn. [illegible] Laura C. Gaudet, pianist; 7:30, Colt Park municipal dance orchestra; 8:30, Clinton choral club; 9, E. B. C. orchestra; 9:30, WTIC's Mail bag; 9:15, Debutants' period.
WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 8, News orchestra; 9, WEAF.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., dinner concert; 8:30-10:30, Out-of-town program.
KFDM, Beaumont, Texas (315.6m-950kc), 7:30-8 p. m., band; 8-10, artists.
KFH, Wichita, Kans. (267.7m-1120kc), 9:30 p. m., piano playing contest; 7, mixed quartet; 11, Lassen Harmonizers.
KFNF, Shenandoah, Iowa (263m-1140kc), 7:30 p. m., James H. Levy, director.
KMA, Shenandoah, Iowa (252m-1190kc), 9-11 p. m., De Luxe program.
KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., Jacquinot Kutes, organist; 7, KMOX Radio orchestra; 8, light opera selections; 9, KMOX Radio orchestra; 9:30, Ramalogue, Wanderer; 10, KMOX orchestra; Helen Musick, dramatic soprano.
KOIL, Council Bluffs, Iowa (278m-1080kc), 7:30 p. m., program, Florence Palmer; 8:30, Dresher Brothers' program; Jack and Jill; 11, Hotsy Totsy hour; Jim Shoemakers Happy Family orchestra.
KSO, Clarinda, Iowa (241.8m-1240kc), 8 p. m., Fillmore Joy Makers.
KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:05-9:20 p. m., Lawson Reid, organist; 9:20-9:50, New Arlington hotel ensemble; 9:50-10:30, Ray Mullins' orchestra.
KVOO, Bristow, Okla. (374.8m-800kc), 8-9 p. m., Josephine Storey-White.
WADC, Akron, Ohio (258.5m-1160kc), 7:50 p. m., Times Press story man; 8, studio program; 10, Roseland orchestra; 12, midnite revue.
WBAP, Fort Worth, Texas (475.9m-630kc), 7:30-8:30 p. m., Panther Hawaiian trio; 9:30-9:40, Homer D. Wade; 9:40-11, Mineral Wells programs; 11-12, musicale.
WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6:15 p. m., dinner concert, St. Paul association, 7:30, Jeanne Gray; 8, WEAF; 8:30, musicale; 10:05, Nankin cafe orchestra.
WCOA, Pensacola, Fla. (222m-1350kc), 7 p. m., Howland trio; Mrs. J. W. Lamar, violinist; Mrs. Carol C. Webb, vocalist; Gladys Villar, pianist; Robbye Cook, 12-year-old prodigy; Tom Bruno, saxophonist; Florida Footwarmers dance orchestra.
WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., Harry Frank, organist; 8-8:30, WEAF; 8:30-9:30, WEAF; 11:45-1 a. m., orchestra; Ted Meyn, organist.
WFAA, Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m., Orchard Hill Amusement Park orchestra; 8:30-9:30, Schubert choral club.
WGBF, Evansville, Ind. (236m-1270kc), 7 p. m., A. L. Maxwell company; 8, Journal musical program; 11, DX Hunting club.
WHAS, Louisville, Ky. (399.8m-750kc), 7:30-8 p. m., Reynolds-Kent Hotel Kentucky orchestra; 8-9, Kilwinning vocal male quartet.
WHB, Kansas City, Mo. (365.6m-820kc), 7-8 p. m., Sweeney Radio orchestra.
WHO, Des Moines, Iowa (526m-570kc), 7:30-8 p. m., Philbreck and his Younker tea-room orchestra; 8-9, Dorothy Dinsmore, violinist; Margaret Leach, soprano; George Ricketts, baritone; Dessa Wolf, pianist; 11-12, Philbreck and his Younker tea room orchestra.
WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Hotel Gayoso orchestra; 11, Bob Miller's orchestra.
WOAI, San Antonio, Texas (394.5m-760kc), 8:30 p. m., San Antonio College of Music program or Walter Dunham Harmonologue.
WOAW, Omaha, Nebr. (526m-570kc), 6:30 p. m., orchestra; 6:50, orchestra; 9, Puritan hour.
WOC, Davenport, Iowa (483.6m-620kc), 8-8:30 p. m., WEAF; 8:30-9:30, P. M. Bolman, baritone; Howard A. Carroll, tenor.
WORD, Chicago, Ill. (275.1m-1090kc), 7 p. m., Program, "North Shore Line"; 9, studio program.
WRR, Dallas, Texas (245.8m-1220kc), 6-7 p. m., Frank Wright, pianist; Mercedes McManus, blues singer; 8-9, Magnolia Beaumont band; 11-12, late musical program.
WSBT, South Bend, Ind. (275.1m-1090kc), 7-9:30 p. m., concert.
WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., Andrew Jackson hotel trio; ensemble singers; 10, Sidney Grooms and his orchestra.
WSOE, Milwaukee, Wis. (245.8m-1220kc), 7 p. m., Elks club; 7:15, Radio mass singing; 9, Candygram revue.

Mountain Standard Time Stations

KFXF, Colorado Springs, Colo. (249.9m-1220kc), 7:45 p. m., Elsie E. Hicks, organist; Christian Science Lecture.
KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra; 8, open-air concert, Denver Municipal band.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-7:30 p. m., Carlyle Stevenson's orchestra, 7:30-8, Felipe Delgado's media hora espanol; 8-9, Aeolian organ, 9-10, Harry Decker's Hawaiians; 10-11, Packard ballad hour.
KFWB, Hollywood, Calif. (252m-1190kc), 6-7 p. m., Pontiac 6 dinner hour, 7-7:20, announcements; 7:30-8, program, Paralta studios; 8-9, program, John Wright, The Right Tailor; 9-10, studio program; 10-11, Warner Brothers frolic.
KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-9, organ recital; 9-10, vaudeville entertainment; musical acts, Punch and Judy, Columbia Knit Mermaids; 10-12, Cole McElroy's dance orchestra.
KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., Uncle John and the children; 8-10, varied studio program; 10-11, Claassen's Super-six dance orchestra.
KLX, Oakland, Calif. (508.2m-590kc), 8-9:15 p. m., studio program, Pon Honor company; 9:15-10:30, Athens Athletic club orchestra.
KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7 p. m., States Restaurant orchestra, 8:30-9, studio program; 9-10, Palace Hotel Rose Room dance orchestra; 10-11, States Restaurant orchestra.

EDUCATIONAL FEATURES

Monday

Atlantic Eastern Central Mountain Pacific
6:30 p. m. 5:30 4:30 3:30 2:30
WNYC (526m-570kc), German lessons, V. H. Berlitz.
8 7 6 5 4
WDAF (365.6m-820kc), School of the Air.
1:15 a.m. 12:15 11:15 10:15 9:15
KGO (361.2m-830kc), Educational features.
9 p. m. 8 7 6 5
WEAO (293.9m-1020kc), "Atoms and Stars."
WHB (365.6m-820kc), Automotive talk.
WMAQ (447.5m-670kc), Lecture, Northwestern university.
11:30 10:30 9:30 8:30 7:30
KHJ (405.2m-740kc), Astronomy.

Tuesday

Atlantic Eastern Central Mountain Pacific
8 p. m. 7 6 5 4
WDAF (365.6m-820kc), School of the Air.
WEAO (293.9m-1020kc), Bird talks.
10 9 8 7 6
WMAQ (447.5m-670kc), Lecture, University of Chicago.
12 m. 11 10 9 8
KTAB (239.9m-1250kc), Mills college.

Wednesday

Atlantic Eastern Central Mountain Pacific
6:30 p. m. 5:30 4:30 3:30 2:30
WNYC (526m-570kc), Spanish lesson, V. H. Berlitz.
8 7 6 5 4
WDAF (365.6m-820kc), School of the Air.
8:30 7:30 6:30 5:30 4:30
WBZ (333.1m-900kc), Radio Nature league.

Thursday

Atlantic Eastern Central Mountain Pacific
7:30 p. m. 6:30 5:30 4:30 3:30
WLW (422.3m-710kc), Educational talk.
8 7 6 5 4
WDAF (365.6m-820kc), School of the Air.
9:30 8:30 7:30 6:30 5:30
WOI (270m-1110kc), Industrial Science, short course, "State Parks of Iowa."
10 9 8 7 6
WMAQ (447.5m-670kc), U. of C. lecture.

Friday

Atlantic Eastern Central Mountain Pacific
4:45 p. m. 3:45 2:45 1:45 12:45
WMCA (340.7m-880kc), "The Right Word."
6:30 5:30 4:30 3:30 2:30
WNYC (526m-570kc), French lesson.
8 7 6 5 4
WDAF (365.6m-820kc), School of the Air.
WOAW (526m-570kc), "Musical Appreciation," Hester Bronson Copper.
10 9 8 7 6
WMAQ (447.5m-670kc), U. of Chicago.
11:45 10:45 9:45 8:45 7:45
KFWB (252m-1190kc), Nature talk.

Saturday, July 3

Headliners Today

Atlantic Eastern Central Mountain Pacific
8:10 p. m. 7:10 6:10 5:10 4:10
WEEI (348.6m-860kc), Symphony hall pop concert.
8:30 7:30 6:30 5:30 4:30
WBZ (333.1m-900kc), Fourth of July program.
10 9 8 7 6
WOOD (241.8m-1240kc), Roundup.
WRC (468.5m-640kc), Kitt hour of music.
10:15 9:15 8:15 7:15 6:15
KOIL (278m-1080kc), Pullman Porters quartet.
10:30 9:30 8:30 7:30 6:30
WMC (499.7m-600kc), George Luttrell.
WSMB (319m-940kc), Paul Jacobs and Young Men's Hebrew association glee club.
11 10 9 8 7
KMA (252m-1190kc), Farmer Scotchman.
WQJ (447.5m-670kc), "Real Americans," Col. Leo Alexander Stone.
11:50 10:50 9:50 8:50 7:50
WHT (399.8m-750kc), Avalon quartet.
12 m. 11 10 9 8
WOAW (526m-570kc), Organ jubilee.

Saturday, silent night for: CNRA, CNRC, CNRE, CNRM, CNRR, CNRT, CNRV, CNRW, KFKX, KFUO, KFXF, KMA, KSO, KTAB, WBAL, WCAL, WCX, WEBJ, WGBF, WOCP, WGHP, WGST, WHA, WHAD, WHAZ, WHN, WHO, WJAR, WLIT, WLWL, WOO, WOS, WRVA, WTAG, WTIC, WWJ.

Atlantic or Eastern Daylight Saving Time Stations

CFCA, Toronto, Can. (356.9m-840kc), 9 p. m., CFCA's orchestra.
WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert; 8:30, concert.
WEAF, New York, N. Y. (491.5m-610kc), 6-12 mid., dinner music; Sofia Seltz, contralto; musical comedy hits; orchestra; Goldman band concert; Russian program, Emily Day, soprano; Ben Bernie and his orchestra; Vincent Lopez orchestra.
WEEI, Boston, Mass. (348.6m-860kc), 7:40 p. m., Lucerne-In-Maine quintet; 8:15, pop concert, Symphony hall.
WFI, Philadelphia, Pa., (394.5m-760kc), 6:45 p. m., Bellevue Stratford dance orchestra; 8, band and choruses from Sesquicentennial.
WHAR, Atlantic City N. J. (275.1m-1090kc), 8 p. m., Seaside hotel.
WIP, Philadelphia, Pa., (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra, 8:15, Hotel Ambassador orchestra; 8:30, program, Marine Studio; 8:45, Pat Conway's band; 9:30, dance orchestra, Million Dollar Pier; 10, Garden Pier dance orchestra, 10:45, Ted Weems' Novelty dance orchestra, 11:05, organ recital, Germantown theater.
WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Waldorf-Astoria Roof orchestra; 10:30, Hotel Astor Roof orchestra.
WMAK, Buffalo, N. Y. (265.3m-1130kc), 7:30-8:30 p. m., Buffalo theater symphony WFBL, WGY, WHAM; 8:30-10, musicale.
WMCA, New York, N. Y. (340.7m-880kc), 7 p. m., Tappen's orchestra; 8:30, Time-O-Stat musical program; 10:30, Stauch's orchestra; 11, Ernie Golden and his Hotel McAlpin orchestra, 12 m., McAlpin entertainers.
WNYC, New York, N. Y. (526m-570kc), 7 p. m., piano selections; 10, police quartet.
WOR, Newark, N. J. (405.2m-740kc), 6:30 p. m., Hotel Shelton ensemble; 7:30, Pryor's band; 9:15, Casino orchestra; 10:15, Brass quartet; 10:30, Monterey society orchestra; 11:15, Ben Bernie's Berkeley Carteret Grill orchestra.
WPG, Atlantic City, N. J. (299.8m-1000kc), 6:15 p. m., Arthur Scott Brook, organist; 7, Hotel Morton dinner music; 7:30, Hotel Shelburne dinner music; 8, Hotel Ambassador dinner concert; 8:30, Marine studio steel pier; 8:45, Pat Conway's band; 9:30, dance orchestra, 10:45, Ted Weems' Novelty orchestra; 11:30, Hotel Shelburne dance orchestra.

Eastern Standard or Central Daylight Saving Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 8:30 p. m., Westinghouse band concert.
KYW, Chicago, Ill. (535.4m-560kc), 7 p. m., hour of music; 8, KYW's Congress hotel studio; 9-10:30, classical concert; 10:30-12, Congress carnival.
WBBM, Chicago, Ill. (225.4m-1330kc), 8-2 a. m., Alemite orchestra; Ziegler Stars; Alemite orchestra; Vanity Fair orchestra.
WBZ, Springfield, Mass. (333.1m-900kc), 6 p. m., Capitol theater orchestra; 8, Fourth of July program; 8:30, Max I. Kruler and his Hotel Westminster orchestra; 9, James Newsworthy, harmonica soloist; 9:15, Dorothy May Todd, soprano and assisting artists.
WEBH, Chicago, Ill. (370.2m-810kc), 7-8 p. m., songs, Frank Greif, 9-10, Edgewater Beach hotel orchestra; 11-12 midnight orchestra; Kay Bonayne; 1 a. m., orchestra; 1-2, frolic.

WOOD VOICE OF MICHIGAN RODEO

Saturday, July 3

WENR, Chicago, Ill. (265.3m-1130kc), 6-7 p. m., Rauland lyric trio; 8-9, Arthur Dunas; 9-10, All-American Pioneers; 12-2 a. m., midnite frolic.
WGES, Oak Park, Ill. (249.9m-1200kc), 5-7 p. m., Paradise plane; Eddie Freckman; 8-9, Guyon's Paradise ballroom orchestra; 11-1 a. m., Peggy O'Neil, Esther Richards, Jack Lavin, Earl Hayden, Guyon's Paradise ballroom orchestra; Bobby Lee.
WGN, Chicago, Ill. (302.8m-990kc), 6:35-7 p. m., musical program; 8-8:10, Auld Sandy; 8:10-8:30, musical program; 8:30, ensemble; 9-9:30, light opera; 9:30, "In a Gondola"; 10-10:10, Sam 'n' Henry; 10:10-11, ensemble.
WGY, Schenectady, N. Y. (379.5m-790kc), 5:30 p. m., dinner concert, Hotel Onondaga; 6:30, Buffalo theater, WMAK, WHAM; 9:30, dance music.
WHT, Chicago, Ill. (399.8m-750kc), 7:10 p. m., Al Carney, organist; 7:40, classical hour; 10:15 (238m-1260kc), Cinderella cafe orchestra; 10:50 (399.8m-750kc), Independence Day program; 12 midnight, your hour league.
WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., dinner concert; string trio; Frances Schiebe, soprano; Evelyn Elliott, contralto; James Luschanski, trio.
WJAZ, Chicago, Ill. (329.5m-910kc), 9-12 mid., Earl Hoffman's Chez Pierre orchestra; Whistling Jim; vocal numbers, Kennard Barradell vocal studio; late and old-time popular numbers, Zenith artists.
WJJD, Mooseheart, Ill. (370.2m-810kc), 5:40-7 p. m., dinner concert, Howard L. Peterson; 8-9, Palmer House Victorians; Isabel DeFaut; Simeon Oliver, pianist; 10-11, Palmer House studio; Palmer House Victorians; Cook Sisters; 12-1 a. m., settin' up hour.
WLIB, Chicago, Ill. (302.8m-990kc), 7-7:05 p. m., million sing; 7:15-7:30, Drake concert ensemble; Blackstone string quintet; 7:30-8, Drake concert ensemble, Pattison Coates, baritone; 11-11:20, Correll and Gosden; 11:20-1 a. m., Ambrose Larsen, organist; Purple Grackle orchestra.
WLS, Chicago, Ill. (344.6m-870kc), 6:30 p. m., Elsie Mae Look, organist; 7:15-1 a. m., national barn dance.
WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., organ concert, Johanna Grosse; 7:30, meeting, Seckatary Hawkins Radio club; 8, Johanna Grosse; 8:30, K. of C. Minstrels; 9:30, Henry Theis Castle Farmers; 10:30, Al Katz and his Kittens.
WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Hotel LaSalle orchestra; 8, Twins contest; 8:30, photologue; 9, Chicago theater revue.
WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon ensemble; Preston Graves, pianist; 9-11, Trianon orchestra; Woodlawn theater orchestra; ensemble; Jimmy Eggert; Andy Anderson; Trianon syncopators.
WOK, Chicago, Ill. (217.3m-1380kc), 6-7 p. m., Tip-Top Inn string ensemble; 10-1 a. m., Tearney's Town club orchestra; Midway Garden orchestra; Pershing Palace orchestra; Capitol theater program; 1-2, orchestras.
WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9 p. m., Roundup, Michigan State Fair grounds; 10:05, Bob and Hazel McOsker; Harold DeWindt, Freddie Gleason, Jerry Roach; Thelma Dykman, Louie Cunningham; Dodo and Mom; 10:35, Chuck Helwegen's Ramona Gardens orchestra.
WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Gardens orchestra; James Luchansky; 10-3 a. m., patrotic talk, Col. Lee Alexander Stone; Jerry Sullivan; Harry Geise; Joe Warner; Rita McFawn, Mary Bieber; Bert Davis.
WRC, Washington, D. C. (468.5m-640kc), 7 p. m., Work of Congress, WJZ; 7:30, Hotel Washington orchestra; 9, Kitt hour of music; 10, dance program; 11-12, Otto F. Beck, organist.
WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., dinner concert; Gold Standard ensemble; Speed-Wagon serenaders; 10-12, special dance program; Speed Wagon serenaders; Merwin Jenkins, blind entertainer; Meadow Lark Inn quartet; Hawaiian Melody Masters.
WSAI, Cincinnati, Ohio (325.9m-920kc), 8 p. m., chimes; 8:15, News; 8, Lelia LeMar, Latonia Melody Boys; Norinne Gibbons, Priscilla Holbrook, Maids of Melody.
WSWS, Chicago, Ill. (275.1m-1090kc), 6 p. m., Terrace Gardens orchestra; Jean Duncan, contralto; Ruth Burnell, pianist; Connie Cerwin, ballads; 8, Woodmar male quartet; Pat Deely, tenor; George Calder, bass; 10, Terrace Gardens quintet; Cook Sisters; Art Billquist; Zola Haynes; Ned Becker, humorist; Flo and Ray; Josephine Oliver, violinist; 12-1 a. m., Witching hour.
WTAM, Cleveland, Ohio (389.4m-770kc), 6 p. m., Collegian serenaders; 7:30, studio program; 8, Hollenden hotel orchestra; 9, Ev Jones and his gang.
WWJ, Detroit, Mich. (352.7m-850kc), 7:30 p. m., Goldman band concert.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., Little Symphony orchestra; Cowbell Boys; 8:30-10:30, musicale.
KFH, Wichita, Kan. (267.7m-1120kc), 6:30 p. m., piano playing contest; 7, J. O. Adams artists recital.
KFNF, Shenandoah, Iowa (263m-1140kc), 11 p. m., old-time music.
KLDS, Independence, Mo. (440.9m-680kc), 8 p. m., studio program, Mary Jane Rhea, contralto.
KMA, Shenandoah, Iowa (252m-1190kc), 9-11 p. m., Ye Olde Tyme Gang orchestra.
KMOX, St. Louis, Mo. (280.2m-1070kc), 6 p. m., Jacquinot Jules, organist; 7, KMOX Radio orchestra; 8, orchestra; Porter Brown, banjoist; Eva Sirwell, singer; 9, KMOX Radio orchestra; 9:30, Gordon Morrison, guitarist; 10, chimes; KMOX staff.
KOIL, Council Bluffs Iowa (278m-1080kc), 6:30 p. m., Hugh McGann, baritone; 7:30, Cass double violin trio; Mrs. George Klein, soprano; 8:15, Pullman Porters' quartet; Mrs. Pearl Reese, soprano; Otis Watson, pianist; 11, Hotsy-Totsy hour.
KPRC, Houston, Texas (296.9m-1010kc), 8 p. m., Frank Tilton, blind wonder boy pianist; 10, awards, National Advertisers' essay contest.
KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:05-10 p. m., New Arlington Hotel Meyer Davis orchestra.
KVOO, Bristow, Olka. (374.8m-800kc), 6-9 p. m., Marshall Van Pool and his Radio orchestra.
WADC, Akron, Ohio (258.5m-1160kc), 9 p. m., Roseland dance orchestra.
WBAP, Fort Worth, Texas (475.9m-630kc), 7:30-8 p. m., Sunday school lesson; 8-8:30, vesper symphony; 9:30-11, South Summit church of Christ singers.
WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6:15 p. m., Emmet Long's Golden Pheasant orchestra; 10:05, Wallie Erickson's Coliseum orchestra.
WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., Ted Meyn, organist; Charl Straight's orchestra; 11:45-1 a. m., Nighthawk froli
WFAA, Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m., Jimmy Joy's orchestra; 8:30-9:30, Four Hoarse Men, 11-12, Jack Gardner's orchestra.
WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., Arthur Findling, baritone.
WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., George Luttrell.
WOAW, Omaha, Nebr. (526m-570kc), 6 p. m., literary period; 6:15, orchestra; 7, Chamber of Commerce; 7:30, Creighton educational period; 9, Omaha Printing company; 10, organ jubilee, Elks club.
WOC, Davenport, Iowa (483.6m-620kc), 9-10 p. m., quartet, Vernon Street Methodist Episcopal church.
WORD, Chicago, Ill. (275.1m-1090kc), 7 p. m., Webster hotel concert program.
WRR, Dallas, Texas (245.8m-1220kc), 6-7 p. m., dinner hour concert; 8-9, musicale, A. Harris and company.
WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., dinner concert; 8, popular and barn dance program
WSMB, New Orleans, La. (319m-940kc), 8:30-10:30 p. m., Paul Jacobs and the Young Men's Hebrew association glee club.
WSOE, Milwaukee, Wis. (245.8m-1220kc), 7 p. m., Elks club; 8:30, Uniform Sunday school lesson; 9, Lakefront studio.

Mountain Standard Time Stations

KFXF, Colorado Springs, Colo. (249.9m-1220kc), 9-11 p. m., dance music.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Al Wesson and his orchestra; 8-9, Angelus trio; 9-10, Corelli trio; 10-11, Packard Radio club; 11-2 a. m., KFI midnight frolic; 4th of July frolic.
KFWB, Hollywood, Calif. (252m-1190kc), 6-7 p. m., Pontiac Six dinner hour; 7, announcements; 7:30-8, program, Stoll, Heckinger and Hepp, Inc.; 8-9, program, Smith Investment company; 9-11, Warner Brothers frolic.
KGO, Oakland, Calif. (361.2m-830kc), 8:10 p. m., Salon Four; Virginia F. Griffiths, soprano; 9-10, Oakland Sciots band; 10:30-12:30, dance program.
KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 10-12, Herman Kenins dance orchestra; Punch Green, pianist.
KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., Uncle John and the children; 8-10, tower studio program.
KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7:30 p. m., States restaurant orchestra; 8-12, Mandarin cafe orchestra.
KPSN, Pasadena, Calif. (315.6m-950kc), 6-6:15 p. m., dinner time news reports; 8-9, Star-News ensemble.

Sunday, July 4

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
8 p. m.	7	6	5	4

WOR (405.2m-740kc), Newark Philharmonic band.

9:15	8:15	7:15	6:15	5:15

WEAF (491.5m-610kc), WWJ (352.7m-850kc), WCCO (416.4m-720kc), WGR (319m-940kc), WEEI (348.6m-860kc), WSAI (325.9m-920kc), WCAP (468.5m-640kc), Atwater Kent half hour.

9:30	8:30	7:30	6:30	5:30

WHO (526m-570kc), Fourteenth Cavalry band.
WLW (422.3m-710kc), Patriotic program, Crosley evening ensemble.

11	10	9	8	7

WFAA (475.9m-630kc), Address, Hon. William H. Atwell.

11:30	10:30	9:30	8:30	7:30

KPRC (296.9m-1010kc), Knights of Columbus band.
WCCO (416.4m-720kc), St. Paul municipal organ recital.
WBAP (475.9m-630kc), Hired Hand's little symphony.

1 a. m.	12 m.	11	10	9

KFWB (252m-1190kc), Fourth of July movie frolic.

Sunday, silent night for: CFAC, CHIC, CKAC, CKNC, CNRA, CNRC, CNRE, CNRM, CNRO, CNRR, CNRT, CNRV, CNRW, KFAB, KFH, KFKX, KFOA, KFXF, KMA, KSO, WAHG, WCAU, WDAF, WEAO, WEBJ, WEBW, WFI, WGBF, WGHB, WGHP, WHAS, WHAZ, WJAZ, WJJD, WJR, WLIT, WLWL, WMAQ, WMC, WNYC, WOI, WOOD, WRC, WRVA, WSB, WSM, WTAM, WTIC.

Atlantic or Eastern Daylight Saving Time Stations

CFCA, Toronto, Can. (356.9m-840kc), 11 a. m., St. Paul's Angelican church; 7 p. m., Timothy Eaton Memorial church.
WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert; 7:20, Capitol theater, WEAF.
WCAU, Philadelphia, Pa. (277.6m-1080kc), 5 p. m., recital; 5:15, undenominational church services; 6:30, Hotel Pennsylvania orchestra; 8:30, Bonwit Teller ensemble.
WEAF, New York, N. Y. (491.5m-610kc), 3-4 p. m., church service; 4-4:30, sacred music; 4:30-5:30, Federation mixed quartet; 6-7:20, Carl Rollins, baritone; 7:20-9:15, Capitol theater; 9:15-9:45, Atwater Kent program, Allen McQuhae, tenor; 9:45-10:15, Goldman band concert; Waino Kauppi, cornetist.
WEEI, Boston, Mass. (348.6m-860kc), 6 p. m., Jordan Marsh company's program; 10:15, F. B. Keith's theater.
WHN, New York, N. Y. (361.2m-830kc), 7:30 p. m., Calvary evening services; 10:45, Jansson's Hofbrau orchestra; 12, Sophie Tucker's playground.
WIP, Philadelphia, Pa. (508.2m-590kc), 7:15 p. m., services, Holy Trinity church; 9:45, concert, Pat Conway's band.
WJZ, New York, N. Y. (454.3m-660kc), 7 p. m., Park Avenue Baptist church carillon; 7:20, Hotel Pennsylvania concert orchestra; 8:30, Hotel Madison concert orchestra, WGY; 9:30, Godfrey Ludlow, violinist, WGY.
WMCA, New York, N. Y. (340.7m-880kc), 7 p. m., Ernie Golden and his Hotel McAlpin orchestra; 9, Jewish Forward hour.
WOO, Philadelphia, Pa. (508.2m-590kc), 10:30 a. m., services, Bethany Presbyterian church; 2:15, musical exercises, Bethany Sunday school; 6:05, organ recital.

Eastern Standard or Central Daylight Saving Time Stations

KYW, Chicago, Ill. (535.4m-560kc), 11 a. m., Central church; 4 p. m., studio concert; 9:30-11, classical concert.
WBAL, Baltimore, Md. (245.8m-1220kc), 7:30-8:30 p. m., twilight concert, WBAL concert orchestra.
WBBM, Chicago, Ill. (225.4m-1330kc), 12:30-2 p. m., sacred concert; 4-6, music; 8-10, Melody hour; 12, Nutty club.
WCBD, Zion, Ill. (344.6m-870kc), 8 p. m., Junior choir, brass quartet; P. Newcomer, cornetist; duets, vocal solos; Marian Priddy, pianist; song, Lavon Paul; E. T. Dedler, reader.
WEBH, Chicago, Ill. (370.2m-810kc), 10:40 a. m., Seventh Church of Christ, Scientist; 7-9 p. m., artists' program.
WENR, Chicago, Ill. (265.3m-1130kc), 9:15 a. m., church services; 2-3 p. m., Skeeles-Biddle hour of better music; 6-7, Moody Bible Institute Evening hour, 9:30-12, midnite frolic.
WGES, Oak Park, Ill. (249.9m-1200kc), 10:30 a. m., M. E. church; 11:45-1 p. m., High Mass, Our Lady or Sorrows church; 5-7:40, Peggy O'Neil; Esther Richards, Sylvia Goldsmith, Joie Walsh, Frank Hayes; 11-1 a. m., Harry Davis, Ray Hibbler, Melody Girls; Lew Butler, Frank Sylvano, Louis Panico; Guyon's Paradise ballroom orchestra.
WGHP, Detroit, Mich. (270.1m-1110kc), Grosse Pointe Memorial church.
WGN, Chicago, Ill. (302.8m-990kc), 6:35-7 p.m., musical program; 7-7:20, The Million Sing; 7:20-7:30, Old-Fashioned Almanack; 7:30-8, music; 8:15-8:45, WEAF; 8:45-9, music; 9-10, "Our Music Room"; 10-10:10, Sam 'n' Henry; 10:10-11, musical program.
WGY, Schenectady, N. Y. (379.5m-790kc), 10 a. m., First Presbyterian church; 6 p. m., carillon, Park Avenue Baptist church; 6:20, Hotel Pennsylvania orchestra; 7, miscellaneous program; 7:30, Hotel Madison orchestra; 8:30, program; 9-9:30, WJZ.
WHT, Chicago, Ill. (399.8m-750kc), 1-11:30 p. m., Paul Rader.
WIBO, Chicago, Ill. (225.4m-1330kc), 10:15 a. m., First M. E. church of Evanston; 2-4 p. m., program, Uptown Conservatory of Music; 6-8, dinner concert, string trio; Helen Snyder, Eugene Wallenius, Robert Wessling 10-12, popular program, artists.
WJAZ, Chicago, Ill. (329.5m-910kc), 7-9 p. m., program, Spanish Garden studio; children's hour; Ann Slack, cellist; Verna McCombs, contralto; Marion Lychenheim, pianist.
WJJD Mooseheart, Ill. (370.2m-810kc), 7:45 a. m., Roman Catholic services; 9:40, Protestant services; 2:30 p. m., concert; 3:30, Bible class; 4-5, Palmer House symphony orchestra.
WLIB, Chicago, Ill (302.8m-990kc), 5-6:15 p. m., Edward Benedict, organist.
WLS, Chicago, Ill. (344.6m-870kc), 7-8:55 p. m., WLS Little Brown church, WLS trio; Sol Heller, baritone.
WLW, Cincinnati, Ohio (422.3m-710kc), 10:45 a. m., morning worship, Seventh Presbyterian church 3 p. m., organ concert, Matthew Horen; 7:30, services, First Presbyterian church; 8:30, patriotic program, Crosley Evening ensemble.
WMBB, Chicago, Ill. (249.9m-1200kc), 3-5 p. m., Trianon orchestra; Woodlawn theater orchestra; Wellington Forbes, tenor; Andy Anderson, baritone; piano novelties, Bob Bennett; popular concert; 7:40-9, Fifth Church of Christ, Scientist; 9-11, Trianon orchestra, Andy Anderson, baritone; Preston Graves, pianist; Scotty Welch and Madison Sisters, Golden Harmony trio; popular program.
WOK, Chicago, Ill. (217.3m-1380kc), 6 p. m.,-1 a. m., Tearney's Town club orchestra; Carl Lorraine's Pershing Palace orchestra; Midway Garden orchestra; Capitol theater musical program; Tip-Top string ensemble, studio program.
WQJ, Chicago, Ill. (447.5m-670kc), 10 a. m., People's church; 3-4 p. m., patriotic program; 8-10, Rainbo Gardens orchestra; Ambrose Wyrick studio.
WREO, Lansing, Mich. (285.5m-1050kc), 10 a. m., chimes, Belfry Plymouth Congregational church; 10:30, Plymouth Congregational church; R. Davis, organist.
WSAI, Cincinnati, Ohio (325.9m-920kc), 11 a. m., Avondale Methodist Episcopal church; 7:45, chimes; 8, Radio sermonette; 8;15, WEAF; 8:45, WEAF.
WSWS, Chicago, Ill. (275.1m-1090kc), 11 a. m., Moody church; 3:30-5 p. m., popular service, Rev. Philpott; 7-9:30, evening song service.
WTAM, Cleveland, Ohio (389.4m-770kc), 11 a. m., Baptist church; 7, Loew's theater orchestra; 8, twilight hour.
WWJ, Detroit, Mich. (352.7m-850kc), 10:30 a. m., First Presbyterian church; 2 p. m., News orchestra; 6:20, WEAF; 8:15, operatic stars.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 4-5 p. m., vespers; 9-11, musicale.
KFDM, Beaumont, Texas (315.6m-950kc), 11 a. m., St. Marks Episcopal church; 8-9, services.
KFNF, Shenandoah, Iowa (263m-1140kc), 10:45, a. m., First M. E. church; 2:30 p. m., Golden Rule song service; 3, Men's Gospel team; 6:30, Golden Rule Circle; 8, Christian church.
KFUO, St. Louis, Mo. (535.1m-550kc), 9;15 p. m., "God Bless Our Native Land!" Rev. A. Fedderson.
KLDS, Independence, Mo. (440.9m-680kc), 11 a. m., studio service; 3 p. m., dedication program; 6:30, Radio vesper service, Lilly Belle Allen, soprano; Edna Daniels, contralto; Elbert Dempsey, tenor; Dr. Frank Criley, bass; 9:15, Walnut Park orchestra.
KMA, Shenandoah, Iowa (252m-1190kc), 12:15-1:30 p. m., religious discussion; 4-5, Men's Gospel team.
KMOX, St. Louis, Mo. (280.2m-1070kc), 8 p. m., KFQA, The Principia; 9, Skouras Brothers Sunday night club.
KOIL, Council Bluffs, Iowa (278m-1080kc), 11 a. m., First Congregational church; 7:30 p. m., Paramount program, College club orchestra; 11, Hotsy Totsy hour.
KPRC, Houston, Texas (296.9m-1010kc), 8 p. m., Trinity Lutheran church; 9:30, Knights of Columbus band; 11, Texan theater pipe organ concert.
KSO, Clarinda, Iowa (241.8m-1240kc), 11 a. m., M. E. church service.
KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 11 a. m., First Baptist church; 9-10, classic hour.
KVOO, Bristow, Okla. (374.8m-800kc), 12:30-7 p. m., pipe organ; Rev. Leeper and his twenty-piece string band; Laughton Family; Oklahoma Cowboy band; Cushing Military band; 7:30-9, Worship hour.
WADC, Akron, Ohio (258.5m-1160kc), 12:30 p. m., organ recital, Allen theater.
WBAP, Fort Worth, Texas (475.9m-630kc), 9:30-11 p. m., Hired Hand's Little symphony.
WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 10:50 a. m., Westminster Presbyterian church; 4:10 p. m., House of Hope Presbyterian church; 5:50, Second Church of Christ, Scientist; 7:15, WEAF, 9:30, Hugo Philler Goodwin, organist.
WFAA, Dallas, Texas (475.9m-630kc), 2:30-3:30 p. m., Farmers' hour; 6-7, Radio Bible class; 7:15-8, Harry Sory's entertainers; 8-9, First Baptist church; 9-9:30, patriotic address, Hon. William H. Atwell; 11-12, Ligon Smith's orchestra.
WHAS, Louisville, Ky. (399.8m-750kc), 9:57 a. m. organ prelude; 10 Fourth Avenue Presbyterian church, 2:45 p. m., "The American Legion Independence Day", 3, "Pledge of Reconsecration."
WHB, Kansas City, Mo. (365.6m-820kc), 9:40-10:40 p. m., Linwood Boulevard Christian church; 11, Independence Blvd. Christian church; 8-9:15, service; 11:15-12:15, Linwood Radio features, Don Anchors, poet.
WHO, Des Moines, Iowa (526m-570kc), 5-6 p. m., Bankers' Life Little symphony orchestra; 7:30-8:30, Fourteenth Cavalry band.
WMC, Memphis, Tenn. (499.7m-600kc), 11 a. m., First Baptist church.
WOAI, San Antonio, Texas (394.5m-760kc), 11 a. m., First Presbyterian church; 7:45, Central Christian church.
WOAW, Omaha, Nebr. (526m-570kc), 9 a. m., chapel service; 1:30 p. m., Father Flanagan's Boys' home period; 2:30, classical.
WRR, Dallas, Texas (245.8m-1220kc), 10:45 a. m., First Baptist church; 7:30, Church of Christ; 9:30-10:30, musical program.
WSM, Nashville, Tenn. (282.8m-1060kc), 7:30 p. m., First Presbyterian church.
WSUI, Iowa City, Iowa (483.6m-620kc), 9:10 p. m., familiar hymns, Mrs. L. G. Lawyer.

Mountain Standard Time Stations

KFXF, Colorado Springs, Colo. (249.9m-1220kc), 11 a. m., services, First Presbyterian church; 7:45, Jim Goodheart's Denver sunshine mission services.
KOA, Denver, Colo. (322.4m-930kc), 10:55 a. m., First Unitarian society; 6:30 p. m., KOA choristers; 8, open-air concert, Denver municipal band.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Jim, Jack and Jean trio; 8-9, Aeolian organ; 9-10, Badger's Hollywood Californians; 10-11, Packard Six dance orchestra.
KFWB, Hollywood, Calif. (252m-1190kc), 9-11 p. m., Warner Brothers 4th of July movie frolic.
KGO, Oakland, Calif. (361.2m-830kc), 11 a. m., First Baptist church; 3:30 p. m., vesper service; 7:30, First Baptist church service.
KGW, Portland, Ore. (491.5m-610kc), 10:45-12 noon, services, First Presbyterian church; 7:30-9 p. m., East Side Baptist church; 9-10, Cheverolet symphony orchestra.
KHJ, Los Angeles, Calif. (405.2m-740kc), 7-8 p. m., First Methodist Episcopal church service; 8-10, special patriotic program featuring Orpheus Four male quartet.
KPSN, Pasadena, Calif. (315.6m-950kc), 10:30 a. m., Family Altar service; 10:50, Pasadena Presbyterian church; 6:30-7:30 p. m., Maryland Artist's ensemble.
KTAB, Oakland, Calif. (239.9m-1250kc), 9:45 a. m., Bible lecture, Prof. E. G. Linsley; 11, service; 7:45 p. m., service; 9:30, after-service concert.

Monday, July 5

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
6 p. m.	5	4	3	2

WRC (468.5m-640kc), U. S. Navy band.

9	8	7	6	5

KOIL (379.5m-790kc), Patriotic program.
WHN (361.2m-830kc), Leverich Three.

10	9	8	7	6

KSO (241.8m-1240kc), Hay Mow Five.

10:30	9:30	8:30	7:30	6:30

KFAB (340.7m-880kc), Old-time Tune night.

11:15	10:15	9:15	8:15	7:15

KOA (322.4m-930kc), Patriotic studio program.

Monday, silent night for: CKAC, CNRA, CNRC, CNRE, CNRM, CNRO, CNRR, CNRT, CNRV, CNRW, KFH, KHJ, KPSN, KYW, WBBM, WCAU, WCBD, WEBH, WEBJ, WENR, WFI, WGBF, WGBS, WGES, WGN, WHAS, WHAZ, WHO, WHT, WIBO, WIP, WJAZ, WJJD, WLIB, WLIT, WLS, WMAQ, WMBB, WOAI, WOC, WOK, WOO, WORD, WQJ, WRC, WSWS.

Atlantic or Eastern Daylight Saving Time Stations

CKNC, Toronto, Can. (356.9m-840kc), 9 p. m., Eveready orchestra; Verdi mixed quartet.
WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert; 8:30, Budget bureau program, WEAF; 11:05, dance program.
WEAF, New York, N. Y. (491.5m-610kc), 6-12 midnight, dinner music; Goldman band concert; Joan Ruth, soprano; grand opera, "Magic Flute"; Palais D'Or orchestra.
WFI, Philadelphia, Pa. (394.5m-760kc), 3 p. m., National track and field championships, Sesquicentennial grounds.
WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., Knell's Tokio dance orchestra; 8, comedy program; 8:30, WEAF; 10:30, chorus; 11, Vincent Lopez Hotel Statler dance orchestra.
WHAR, Atlantic City, N. J. (275.1m-1090kc), 8 p. m., Seaside hotel trio; 11, Follies Bergere dance orchestra.
WHN, New York, N. Y. (361.2m-830kc), 6:30 p. m., WHN Movie club; 7:30, Joe Ward's Swanee entertainers; 8, Roseland dance orchestra; 8:25, "Storage Batteries," H. B. Shontz; 8:30, George's surprise; 9, Leverich Three and "Peter the Great"; 9:20, Leverich Three and "Peter the Great"; 10, Palisades Amusement park orchestra; 10:30, Leroy Smith's orchestra; 11:30, Club Alabam orchestra; 12, Silver Slipper orchestra.
WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra.
WJAR, Providence, R. I. (305.9m-980kc), 7:45 p. m., musicale; 9, WEAF; 10, WEAF.
WJZ, New York, N. Y. (454.3m-660kc), 7:55 p. m., John B. Kennedy; 8, Maxwell House Coffee ensemble; 9:30, Fireside Boys; 10:45, Harry Leonard's Waldorf-Astoria Grill orchestra.
WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., dinner concert, Hotel Gibson, orchestra; 7:30, theatrical feature, talk on "Eyes," Dr. Clarence H. Kaufman; 7:40, continuation, Hotel Gibson concert; 8, the Crosley Salon orchestra; 10, dance program, Calico Cat.
WLWL, New York, (288.3m-1040kc), 9:15 p. m., piano recital; 9:30, studio program; 10, study club; 10:15, songs; 10:30, ensemble.
WMCA, New York, N. Y. (340.7m-880kc), 6:30 p. m., Ernie Golden and his Hotel McAlpin orchestra; 7:15, Ernie Golden and his Hotel McAlpin orchestra; 9:15, Hardman hour of music; 10:30, Woodmansten Inn orchestra; 11, Jack Denny's orchestra; 12, McAlpin entertainers.
WNYC, New York, N. Y. (526m-570kc), 6 p. m., piano selections.
WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9 p. m., Corduroy Tire Little symphony orchestra; 10:05, Sav-u-time program; 10:35, Grand Rapids company period; 11, Wild and Wooly Workers' club, 24th Woodpile.
WOR, Newark, N. J. (405.2m-740kc), 6:30 p. m., Shelton ensemble; 7:30, Brooklyn Eagle program; 8, Newark Philharmonic band; 8:45, Klein's Serenading Shoemakers; 9:45, Monterey society orchestra; 10:30, Monterey concert quintet; 11:15, Ben Bernie's Berkeley Carteret grill orchestra.
WSAI, Cincinnati, Ohio (325.9m-920kc), 10 p. m., musicale.

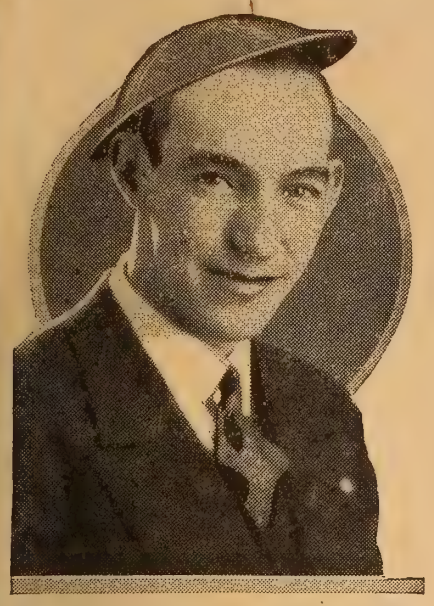
Eastern Standard or Central Daylight Saving Time Stations

WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., WBAL dinner orchestra; 8-8:30, Howard R. Thatcher, organist; 8:30-9, WBAL male quartet; 9-10, WBAL trio.
WGHB, Clearwater, Fla. (265.3m-1130kc), 8:30-10 p. m., diversified program: Caroline Lee, "The Virginia Girl" and her Spanish guitar; Max Hartlett, pianist.
WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert; 8, Little symphony orchestra; T. Stanley Perry, tenor; Mona Perkins, contralto; 8:30-9:30, Famous Composer's hour; 9:30-10, Little symphony orchestra, soloists; 12-1 a. m., Gerald Marks' orchestra.
WGY, Schenectady, N. Y. (379.5m-790kc), 5:30 p. m., dinner program; 6:30-7:15, patriotic program, WGY orchestra; 8-8:30, patriotic program.
WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., Robert Visconti's orchestra; 7:30, theatrical feature; 7:40, Visconti's orchestra; 8, Crosley Salon orchestra.
WRC, Washington, D. C. (468.5m-640kc), 5-6:20 p. m., U. S. Navy band.
WRVA, Richmond, Va. (256.3m-1170kc), 9:10 p. m., patriotic program; 10:30, Richmond hotel orchestra.
WTAM, Cleveland, Ohio (389.4m-770kc), 6 p. m., Hollenden hotel orchestra; 8, Willard symphony; 9, studio program; 10, Willard symphony.
WTIC, Hartford, Conn. (475.9m-630kc), 5:30 p. m., Hub trio; 7:30, Goldman band concert; 9, grand opera; 10:05-10:30, Capitol theater organ.
WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7:30, Goldman band concert; 9, orchestra.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., dinner concert; 8:30-10:30, Old-Time tune night.
KFH, Wichita, Kans. (267.7m-1120kc), 7 p. m., Gage Brewers' Hawaiians; 7:40, Harold Mahaney, Velma Varner; 11, Forrest Markle, Al Hiner, Lassen Harmonizers.
KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., concert.
KMA, Shenandoah, Iowa (252m-1190kc), 9-10 p. m., Corey and Carl; Elks band.
KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., Jacquinot Jules, organist; 7, KMOX Radio orchestra; Lango Sisters; 8, KMOX Radio orchestra; 9:30, Bamalogue; 10, KMOX Radio orchestra.
KOIL, Council Bluffs, Iowa (278m-1080kc), 6:03 p. m., Jamieson Oil duo; 6:30, "The Nauticals"; 7:30, John Woodward program; Inner Circle candy night; Bernard Holliday, pianist; Orin Miller, clarinetist; Merle Meacham, cornetist; Leighton White, violinist; 9, Francis Potter, fretted instruments; 10, Marie Salisbury, violinist; Olivetta Salisbury, pianist; Kathryn Skinner, cellist; 11, Hotsy Totsy hour.
KPRC, Houston, Texas (296.9m-1010kc), 7:30 p. m., Eddie's syncopators; 8, Dr. Earle J. Shay, tenor; 8:15, dance music.
KSO, Clarinda, Iowa (241.8m-1240kc), 8 p. m., Hay Mow Five.
KVOO, Bristow, Okla. (374.8m-800kc), 6-9 p. m., Mrs. J. C. Weaver, "Oklahoma's Sweetheart of the Air."
KWWG, Brownsville, Texas (277.6m-1080kc), 8:30-9:30 p. m., Beth Sewell, pianist; 8:45-9:15, Mrs. R. W. Sutherland, contralto; Mrs. Billy Ransome, pianist; 9:15-9:30, Mr. Chitwood, old fiddler; 12:01-1 a. m., novelty and jazz.
WADC, Akron, Ohio (258.5m-1160kc), 9 p. m., Roseland orchestra.
WBAP, Fort Worth, Texas (475.9m-630kc), 7:30-8:30 p. m., musicale; 9:30-11, concert; 11, musicale.
WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6:15 p. m., St. Paul hotel concert orchestra.
WCOA, Pensacola, Fla. (222m-1350kc), 7 p. m., 13th Coast Artillery band; Silva's Jazzomaniacs; First Methodist choir.
WFAA, Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m., Honey boys orchestra; 8:30-9:30, Sears-Roebuck program.
WHB, Kansas City, Mo. (365.6m-820kc), 7-8 p. m., Sweeney Radio orchestra.
WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Missouri Pacific Diamond jubilee.
WOAI, San Antonio, Texas (394.5m-760kc), 8:30 p. m., Sunshine Laundry orchestra.
WOAW, Omaha, Nebr. (526m-570kc), 6 p. m., Hugo G. Heyn, marimba soloist; Emil B. Hofman, pianist; 6:50, orchestra; 9, classical.
WOC, Davenport, Iowa (483.6m-620kc), 1-2 p. m., old folk's musicale; 8-8:30, Presbyterian church; 9:30-10:30, Palmer Little symphony.
WRR, Dallas, Texas (245.8m-1220kc), 6-7 p. m., Edgra Norris, pianist; 8-9, Times Herald artists concert; Emmett Peck, violinist.
WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., dinner concert; 8, Mrs. William Dumm, soprano; 10, Vito and his Radio five.
WSMB, New Orleans, La. (319m-940kc), 8:30-10:30 p. m., Dixola Novelty orchestra; Strand theater orchestra.
WSUI, Iowa City, Iowa (483.6m-620kc), 8:10, readings.

N. Y. PHILHARMONIC AGAIN AT WJZ



Folks meet Omaha's songster, Eddie Stewart. His specialty is jazz singing, but he has been heard featuring ballads and lyrics at the Blah club of WOAW. Notice the insignia he wears on his head.

Monday, July 5

Mountain Standard Time Stations

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra; 8, Scheuerman's Colorado orchestra; 8:15, Margaret Kephart, pianist; Mrs. W. C. Mount, reader; Mrs. E. Humphrey Smith, violinist; KOA orchestra.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Owen Fallon's Californians; 8-9, varied program; 9-10, Walter M. Murphy Motors company program, KPO; 10-11, popular program, Meiklejohn Brothers.

KFWB, Hollywood, Calif. (252m-1190kc), 7:30-8 p. m., program, Dr. Ralph Mitchell and Associated Dentists; 8-9, program, Sealy Mattress company; 9-10, program, American Dye Works; 10-11, Warner Brothers frolic.

KGO, Oakland, Calif. (361.2m-830kc), 8 p. m., Amphion trio; 8:05, "Norwegian Rhapsodie"; 9:15, "Symposium of New Edueation"; 9:30, speaker, U. of Calif.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-9, organ recital; 9-10, vaudeville entertainment; musical acts, Punch and Judy, Columbia Knit Mermaids; 10-12, Cole McElroy's dance orchestra.

KTAB, Oakland, Calif. (239.9m-1250kc), 7-7:30 p. m., shopping hour; 8-10, program.

Tuesday, July 6

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
9:30 p. m.	8:30	7:30	6:30	5:30

WHAS (399.8m-750kc), Carl Zoeller's Melodists.
WMCA (340.7m-880kc), Columbia Park entertainers.

10	9	8	7	6

WBAL (245.8m-1220kc), Baltimore City Park orchestra.
WHB (365.6m-820kc), Ukulele songsters.
WOC (483.6m-620kc), Keithsburg community band.
WOOD (241.8m-1240kc), World's Championship Roundup.

10:30	9:30	8:30	7:30	6:30

WOAI (394.5m-760kc), Gerbhardt Mexican players.

11	10	9	8	7

WQJ (447.5m-670kc), First National Violin quartet.

12 m.	11	10	9	8

KHJ (405.2m-740kc), All Times night.

1 a. m.	12 m.	11	10	9

KFI (467m-642kc), Cowie's bag pipe band.

Tuesday, silent night for: CFCA, CKNC, CNRC, CNRE, CNRM, CNRO, CNRT, CNRW, KFH, KFKX, KFUO, KOA, KOB, KTAB, WAHG, WAMD, WBBR, WCAP, WGCP, WHAZ, WOR, WOS, WSMB, WSUI, WTAM, WTIC.

Atlantic or Eastern Daylight Saving Time Stations

WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert, William Penn hotel; 8, WEAF; 8:30, WEAF; 9, WEAF; 10, Moment musicale.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30 p. m., Snellenburg instrumental trio; 8:10, the Three Brothers; 8:25, Peter Ricci, baritone; 8:45, Higgins and Burke, songs; 9, Buehnle's artists; 9:30, Robert Fraser, blind gospel singer; 10, recital; 10:15, Eddie Malle and his entertainers; 10:30, Cathay orchestra.

WEAF, New York, N. Y. (491.5m-610kc), 6 p. m., dinner music; 8, Grand Prize Eurekas, WEEI, WFI, KSD, WCAE, WWJ, WCSH, WSAI WTAG, WGR, WCCO, WOC, WTAM, WJAR; 8:30, Gold Dust Twins, WEEI, WFI, WCAE, WGR, WWJ, WOC, WCSH, WJAR, WCCO, WLIB, WTAM, KSD; 9, Eveready hour, WEEI, WFI, WCAE, WGR, WWJ, WOC, WCSH, WJAR, WCCO, WLIB, WTAM, KSD; 10, variety half hour; 10:30, orchestra; 11-12, Buffalodians dance orchestra.

WEBJ, New York, N. Y. (272.6m-1100kc), 7 p. m., Dan Barnett's orchestra; 7:30, Lunas Knickerbocker orchestra; 8:15, Queen's City entertainers; 8:45, Luna's Marine band.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:45 p. m., Bellevue Stratford dance orchestra; 8, WEAF.

WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., Vincent Lopez Hotel Statler dance orchestra; 8, WEAF.

WHAR, Atlantic City, N. J. (275.1m-1090kc), 8 p. m., Seaside hotel trio.

WHN, New York, N. Y. (361.2m-830kc), 6:30 p. m., Everglades orchestra; 7:30, Will Oakland's chateau; 8, Treasureland neighbors; 10, Universal trio; 10:15, Jimmy Clark and his entertainers; 10:30, Strand roof orchestra; 11:30, Sophie Tucker's playground; 12, Country club orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Monte Cross, "old-timer"; 6:15, Benjamin Franklin concert orchestra; 8, program, Marine studio; 8:30, Murphy's minstrels; 9, Chalfonte-Haddon Hall dual trio; 10:15, Emo's weekly movie talk; 10:30, popular and classical piano recital, Karl Bonawitz; 11, Million Dollar Pier dance orchestra; 11:30, Silver Slipper club dance orchestra.

WJAR, Providence, R. I. (305.9m-980kc), 8-10 p. m., WEAF.

WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Frank Dole; 7:20, Harold Leonard's Waldorf-Astoria roof orchestra; 8, One-up Cut-ups; 8:30, Delfah Pearl hour, WRC, WGY; 10, the Grand tour, WRC, WGY; 10:45, George Olsen's Hotel Pennsylvania roof orchestra.

WLIT, Philadelphia, Pa. (394.5m-760kc), 7:30 p. m., Benjamin Franklin El Patio dance orchestra.

WLWL, New York, N. Y. (288.3m-1040kc), 9 p. m., songs; 9:30, quartet; 9:45, violin solos; 10, quartet; 10:15, tenor solos.

WMCA, New York, N. Y. (340.7m-880kc), 7 p. m., Hofbrau Haus entertainers; 8:15, "Muscle Shoals"; Time-O-Stat musical program; 9, Paul Whitman's Picadilly players; 9:30, Columbia Park entertainers; 10:30, Woodmansten Inn orchestra; 11, Ernie Golden and his Hotel McAlpin orchestra; 12, McAlpin entertainers.

WNYC, New York, N. Y. (526m-570kc), 6:35 p. m., piano selections.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Adelphia Roof Garden orchestra.

WOR, Newark, N. J. (405.2m-740kc), 6:30 p. m., Jacques Jacobs' Hotel Shelton ensemble.

WTAG, Worcester, Mass. (267.7m-1120kc), 8-8:30 p. m., WEAF; 10-11:30, WEAF.

Eastern Standard or Central Daylight Saving Time Stations

KYW, Chicago, Ill. (535.4m-560kc), 7, p. m., Chicago Evening American studio; 8, program, Congress hotel; 10-10:30, classical concert; 10:30-11:30, Congress carnival.

WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., WBAL dinner orchestra; 8-9, Celia Brace, violinist; George Bolek, pianist; 9-10, Baltimore City Park orchestra.

WBBM, Chicago, Ill. (225.4m-1330kc), 8-12 midnight, Moss Covered melodies; Howard Osborne's vanity fair orchestra; Matched-Unit quartet.

WCBD, Zion, Ill. (344.6m-870kc), 8 p. m., mixed quartet, ensemble, celestial bells; Messrs. Alexander DePew and Erwin Rendall, duettists; J. D. Thomas, baritone; Mary Sweeney, soprano; Carl Newcomer, saxophonist.

WEBH, Chicago, Ill. (370.2m-810kc), 7-8 p. m., Edgewater Beach hotel orchestra; Kathryn Forbes; Lydia Lochner; 9:10-10, Uptown theater; 11-12:30 a. m., Gail Bandell; Syncopating Serenaders.

WENR, Chicago, Ill. (265.3m-1130kc), 6-7 p. m., Rauland lyric trio; 8-9, Arthur Dunas popular program; 8-10, All-American Pioneers.

WGES, Oak Park, Ill. (249.9m-1200kc), 5-7 p. m., Paradise plane; 8-9, Charles Rothermel's School of Music; 11-1 a. m., Clarence Theders, Flo and Ray, Lew Butler; Peggy O'Neill; Esther Richards; Bobby Lee.

WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert; 8, Skylark dance band; Harry Hayes, banjoist; saxophone quartet; Gladys Sanderson and her uke; Emil Cote, basso; 12-1 a. m., Gerald Marks' orchestra.

WGN, Chicago, Ill. (302.8m-990kc), 6:35-7:15 p. m., Blackstone string quintet, Drake concert ensemble; 8-9, WEAF; 9-10, "Arabian Nights"; 10-10:10, Sam 'n' Henry; 10:10-11, musical program, ensemble.

WGY, Schenectady, N. Y. (379.5m-790kc), 6:45 p. m., John Lloyd, tenor; Edna Youman's contralto; 7:30, WJZ; 8, Minstrel show; 9, WJZ.

WHT, Chicago, Ill. (399.8m-750kc), 7:10 p. m., Al Carney, organist; 7:40, chapel; 10:15 (238m-1260kc), Cinderella cafe orchestra; 10:30 (399.8m-750kc), Pat Barnes and Al Carney; 11, Art Becker, pianist; 12, your hour league.

WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., dinner concert; WIBO string trio; Chester Newman, baritone; Agnes Buchli, soprano; Charlotte Edwards, contralto; 12, jamboree; Ted Fiorito, pianist; Dan Russo, violinist; Marie Tully, songs; Wayne Myers, monologist, artists.

WJAZ, Chicago, Ill. (329.5m-910kc), 9-12 midnight, Earl Hoffman's Chez Pierre orchestra; Frances Rosemary Schieb, soprano; Henrietta Nolan, violinist; William Hayden, tenor.

WJJD, Mooseheart, Ill. (370.2m-810kc), 5:30-7 p. m., dinner concert; Jack Nelson; Howard Peterson, organist; Palmer House symphony players; Victorians; 8-9, child artists; 10-11, Victorians; 12:30 a. m., Settin' Up hour.

WLIB, Chicago, Ill. (302.8m-990kc), 7:15-7:30 p. m., dinner music; 7:30-8, WEAF; 11-11:20, Correll and Gosden; 11:20-1 a. m., Liberty studio ensemble; Ambrose Larsen, organist; Tommy Thatcher's Drake hotel dance orchestra; Fred Hamm's Purple Grackle orchestra.

WLS, Chicago, Ill. (344.6m-870kc), 6:30 p. m., Elsie Mae Look, organist; 6:45, College Inn orchestra; 7:15, readings, U. of Chicago; 7:30, Al Melgard, organist; 7:50, Voice of the Listener; 8:10, College Inn orchestra.

WLW, Cincinnati, Ohio (422.3m-710kc), 7:10 p. m., "Piano Memories," Adelaide Apfel; 7:30, dinner music, Castle Farm; 8, the Crosley Burnt Corkers; 9, concert, Formica symphony orchestra; 10, Henry Theis' Castle Farmers.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Hotel LaSalle orchestra; 8:40, music; 9:20, musical program, chimes.

WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon ensemble; Hilda Hinrichs, cellist; Margaret Conrad, violinist; Preston Graves, pianist; Genevieve Burnham, operatic soprano; 9-11, Trianon orchestra; Woodlawn theater orchestra; Joe Warner; Nora Norraine and Lou Sievers, popular program.

WOK, Chicago, Ill. (217.3m-1380kc), 6-7 p. m., Tip-Top Inn; 10-1:30 a. m., Tearney's Town club orchestra; Pershing Palace orchestra; Midway Gardens orchestra; Capitol theater program, studio program.

WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9 p. m., Roundup; 10:05, Claude Lee, Roy Clark, Sally Simpkins, Jim Forshey, Melissa Dvorak.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Gardens orchestra; Lee Lindig, tenor; 10-2 a. m., Jerry Sullivan; Happy Harry; Bert Davis; Romo Vincent; Nubs Allen; Johnny Poat.

WRC, Washington, D. C. (468.5m-640kc), 7 p. m., Willard hotel orchestra; 7:30, WJZ; 8, announced; 9, WJZ; 9:30, announced; 10:30, Meyer Davis' Le Paradis band.

WSAI, Cincinnati, Ohio (325.9m-920kc), 7 p. m., WEAF; 7:30, musicale; 8, WEAF; 9, concert.

WSWS, Chicago, Ill. (275.1m-1090kc), 6 p. m., orchestra; Ruth Metcalfe, Peter Grosse; 8, Jean St. Anne, Christian A. Grimm; Terrace Gardens orchestra; 10, National violin institute string quartet; 12-1 a. m., Whitching hour.

WTAM, Cleveland, Ohio (389.4m-770kc), 6 p. m., State theater vaudeville; 7-10, WEAF; 10, studio program; 11, Euclid Beach Park orchestra.

WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7, WEAF.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., Little symphony orchestra; 8:05-10:30, University of Nebraska.

KFDM, Beaumont, Texas (315.6m-950kc), 7:30-8 p. m., children's program; 8-10, band.

KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., orchestra.

KLDS, Independence, Mo. (440.9m-680kc), 8 p. m., Hazel Cook, organist; Pauline James, soprano; Cammie Johnston, pianist.

KMA, Shenandoah, Iowa (252m-1190kc), 9-11 p. m., Mandolin musicians.

KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., Jacquinot Jules, organist; 7, KMOX Radio orchestra, Star Musical Bears; 8, light opera selections, Joseph Marcel McWhorter; Rolf Gaudard; 9, KMOX Radio orchestra; 9:30, E. D. Anderson, baritone; 10, KMOX Radio orchestra; Mrs. Frank Howard, mezzo-soprano.

KOIL, Council Bluffs, Iowa (278m-1080kc), 6:03 p. m., John Gentleman music hour; Strawn sisters; Rodna Hughes, pianist; Harold Hughes, tenor and reader; 8, Hazel Bell; 11, Hotsy Totsy hour.

KPRC, Houston, Texas (296.9m-1010kc), 7:30 p. m., dance orchestra; 8:15, dance music.

KSO, Clarinda, Iowa (241.8m-1240kc), 8 p. m. Bagnall twins; Margaret Baird; 8:20, Rag Pickers.

KVOO, Bristow, Okla. (374.8m-800kc), 6-9 p. m., Jimmie Wilson and his Catfish string band.

WADC, Akron, Ohio (258.5m-1160kc), 8 p. m., Miller Maid Creamery company; 9, Roseland dance orchestra; 10, Times Press hour.

WBAP, Fort Worth, Texas (476.9m-630kc), 7:30-8:30 p. m., Clyde Messengale, baritone; Mrs. Florence Messengale, pianist; 9:30-11, Vela Melton.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6 p. m., WEAF; 8, musicale; 9:30, "Outdoors in Minnesota," Izaak Walton league.

WFAA, Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m., Ford's Texas trumpeters; 8:30-9:30, Henri LaBonte and his varied performance; 11-12, Jommy Joy's orchestra.

WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., Carl Zoeller's Melodists.

WHB, Kansas City, Mo. (365.6m-820kc), 7-7:30 p. m., organ concert; 8-9:30, Ukulele songsters, Harry Taylor, Sam Martin; Mrs. A. Taylor, pianist; Mrs. Lillian Valentine, soloist.

WHO, Des Moines, Iowa (526m-570kc), 7:30-8 p. m., Philbreck and his Younker tea-room orchestra; 8-9, Bankers' Life trio; Stewart Watson, baritone.

WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., music; 11, Britling's Cafeteria orchestra.

WOAI, San Antonio, Texas (394.5m-760kc), 8:30 p. m., Gerbhardt Mexican players.

WOAW, Omaha, Nebr. (526m-570kc), 6:20 p. m., popular song period; 6:50, orchestra; 9, George H. Lee company.

WOC, Davenport, Iowa (483.6m-620kc), 6-6:30 p. m., WEAF; 8-9, Keithsburg community band.

WRR, Dallas, Texas (245.8m-1220kc), 6:10-7 p. m., Jack Gardner's orchestra; 8-9, program.

WSM, Nashville, Tenn. (282.8m-1060kc), 8 p. m., Daisy Sartain, teacher of piano.

Mountain Standard Time Stations

KFXF, Colorado Springs, Colo. (249.9m-1220kc), 8:30 p. m., Colorado Spring jubilee singers.

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Virginia ballroom orchestra; 8-9, screen artists string quartet; 9-10, Cowie's bagpipe band; 10-11, Packard Radio club.

KFWB, Hollywood, Calif. (252m-1190kc), 7-7:30 p. m., program, Morris and company; 7:30-8, program, White Auto company; 8-9, Bill Hatch's orchestra and soloists; 9-10, program, American Brake Testing Machine company; 10-11, Warner Brothers frolic.

KGO, Oakland, Calif. (361.2m-830kc), 8 p. m., Eveready program, "Hits" from the comic operas; 9-10, Pilgrims' hour; 10-12, dance music.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 10-12, dance music, Multnomah hotel, Herman Kenin's dance orchestra; Curt Kramer, pianist.

KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., weekly visit, Queen Titania and Sandman; 8-10, All Times night.

KPSN, Pasadena, Calif. (315.6m-950kc), 8-9 p. m., Star-News concert hour, Star-News ensemble.

KTAB, Oakland, Calif. (239.9m-1250kc), 7-7:30 p. m., shopping hour; 8-10, program.

Wednesday, July 7

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
6 p. m.	5	4	3	2

WRC (468.5m-640kc), U. S. Marine band.

8:30	7:30	6:30	5:30	4:30

WJZ (454.3m-660kc), New York Philharmonic.
WLWL (288.3m-1040kc), Hearthside Harmonizers.

9:45	8:45	7:45	6:45	5:45

WRVA (256.3m-1170kc), Songs of the sea, Mariners quartet.

10:15	9:15	8:15	7:15	6:15

WEBJ (272.6m-1100kc), Michele Bontempo, Italian baritone.

10:30	9:30	8:30	7:30	6:30

KFAB (340.7m-880kc), Request night.

11	10	9	8	7

WLS (344.6m-870kc), Medicine show.

11:30	10:30	9:30	8:30	7:30

KMOX (280.2m-1070kc), "Crinoline Days."

12 m.	11	10	9	8

WQJ (447.5m-670kc), First National Violin quartet.

Wednesday, silent night for: CKAC, CKNC, CNRA, CNRC, CNRE, CNRM, CNRR, CNRT, CNRV, KFXF, KGO, KLDS, KMMJ, KOIL, KPSN, KTAB, WABQ, WBAL, WBAP, WBBR, WCBD, WFAA, WGBF, WGBS, WGCP, WHAR, WHAZ, WIP, WJAZ, WMC, WOAI, WOAW, WPG, WRC, WRR, WSUI.

Atlantic or Eastern Daylight Saving Time Stations

CFCA, Toronto, Can. (356.9m-840kc), 11 p. m., Gilbert Watson and his orchestra.

WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p .m., dinner concert, William Penn hotel; 8, WEAF; 8:30, WEAF; 9, concert; 10, WEAF.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30 p. m., N. Snellenburg and company; 8:10, Hotel Pennsylvania orchestra; 8:30, Miller piano period; 9, White and Mazer songs; 9:45, Senator Hassenpfeffer; 10, Maurice Patton, tenor; 10:30, Zoehrns and Herscher, songs; 10:45, Frank Cook, old-time songs; 11, Artie Bittong's cheer-ups.

WEAF, New York, N. Y. (491.5m-610kc), 6 p. m., dinner music; 8, Shinola Merrymakers, Gentlemen of the 2 in 1, WTAG, WCAE, WWJ, WJAR, KSD, WGR, WEEI, WOO, WCSH, WOC, WCCO, WCAP, WSAI; 8:30, Davis Saxophone octet, WOO, WCAE, WSAI, WEEI, WJAR, WGR, WCSH; 9, Ipana Troubadours, WEEI, WCAP, WOO, WWJ, WLIB, WCCO, WOC, WGR, WSAI, KSD,; 11-12, Pelham Heath Inn orchestra.

WEBJ, New York, N. Y. (272.6m-1100kc), 8 p. m., Raymond orchestra; 8:45, Hawaiian guitar duets, Ben Ruty, Michael Savino; 9:15, Michele Bontempo, Italian baritone; 9:30, Ed Bulger's Radio orchestra.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:45 p. m., Bellevue Stratford dance orchestra.

WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., Gospel Melodists two-piano recital; 8, WEAF; 8:30, recital; 9, WEAF; 10, popular program; 11, Vincent Lopez himself and his Casa Lopez orchestra, playing in studio.

WHN, New York, N. Y. (361.2m-830kc), 7:30 p. m., Loew's Lexington organ recital; 9, Loew's New York orchestra; 10, Roseland dance orchestra; 11:30, Silver Slipper orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 7, Uncle Wip's bedtime stories.

WJAR, Providence, R. I. (305.9m-980kc), 7:30-9 p. m., WEAF; 9, musicale; 10, tabloid musicale.

WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Hotel Madison concert orchestra; 8, Imperial Imps; 8:30, Stadium Philharmonic concert; 10:30, Hotel Astor roof orchestra.

WLIT, Philadelphia, Pa. (394.5m-760kc), 8:30 p. m., concert, Progress Paint company; 9, Montco artists; 10, Arcadia cafe dance orchestra.

WLWL, New York, N. Y. (288.3m-1040kc), 8:30 p. m., Hearthside Harmonizers; 9:15, piano recital; 9:30, contralto; 10:15, ensemble.

WMCA, New York, N. Y. (340.7m-880kc), 6:30 p. m., Ernie Golden and his Hotel McAlpin orchestra; 7:15, Ernie Golden and his Hotel McAlpin orchestra; 7:30, Tappen's orchestra; 8, X-IT Hawaiians; 8:30, Meister Homesteaders; 9, Mamaroneck night; 9:30, Woodmansten Inn orchestra; 10:30, Stauch's orchestra; 11, Jack Denny's orchestra; 12, McAlpin entertainers.

WNYC, New York, N. Y. (526m-570kc), 6 p. m., piano selections.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Sylvania dance orchestra; 8, WEAF; 10, Fox theater studio program; 10:30, Ritz Carlton dance orchestra.

WOR, Newark, N. J. (405.2m-740kc), 6:30 p. m., Hotel Shelton ensemble; 8, French Line program; 9, Arthur Pryor's band; 9:30, Monterey society orchestra; 10:45, Monterey concert quintet; 11:15, Ben Bernie Berkeley Cartaret grill.

WTAG, Worcester, Mass. (267.7m-1120kc), 6-7 p. m., WTAG orchestra; 8-8:30, WEAF; 8-10, musicale; 10-11, WEAF.

Eastern Standard or Central Daylight Saving Time Stations

KYW, Chicago, Ill. (535.4m-560kc), 7 p. m., musical program; 9-10:30, classical concert; 10:30-12 Congress carnival.

WBBM, Chicago, Ill. (225.4m-1330kc), 8-10 p. m., Rudy Winters, baritone; Alemite orchestra; 12-2 a. m., Alemite orchestra.

WEBH, Chicago, Ill. (370.2m-810kc), 7-8 p. m., Osborn's orchestra; Florence Behrend; Frank Greif; Frank Bordner; 9:15-10, Osborn's orchestra; Frank Bordner; Lawrence Salerno; 11-12:30 a. m., orchestra; Kay Ronayne; Florence Behrend.

WENR, Chicago, Ill. (265.3m-1130kc), 6-7 p. m., Rauland lyric trio; 8-10, All-American Pioneers; 12-2 a. m., midnite frolic.

WGES, Oak Park, Ill. (249.9m-1200kc), 5-7 p. m., Paradise plane; 8-9, Frank Sylvano, Louis Panico, Guyon's Paradise ballroom orchestra; 11-1 a. m., Casey and Gervais; Guyon's Paradise ballroom orchestra; Melody Girls.

WGHB, Clearwater, Fla. (265.3m-1130kc), 8:30-10 p. m., Diversified program: Mr. and Mrs. Charley A. Waller, old-time songs and duets; Mrs. Lucian Lucas, pianist.

WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert; 8-10, Little symphony orchestra; quartet; A. C. Jackson, baritone; Leona Mitchell, soprano; 12-1 a. m., Gerald Marks' orchestra.

WGN, Chicago, Ill. (302.8m-990kc), 6:35-7 p. m., Blackstone string quintet; 9-10, concert; 10-10:10, Sam 'n' Henry; 10:10-10:20, studio music; 10:20-11, Pepper party.

WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., program, Eastman theater, WHAM.

WHT, Chicago, Ill. (399.8m-750kc), 7:10 p. m., organ; 7:50, chapel; 8:30, (238m-1260kc), studio features; 12 midnight (399.8m-750kc), your hour league.

WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., dinner concert, string trio; Dorothy Rae, soprano; Charles Champlin, baritone; Frank Greif, tenor; trio; 10-12, popular program; vocal, instrumental.

WJAZ, Chicago, Ill. (329.5m-910kc), 9-12 mid., Earl Hoffman's Chez Pierre orchestra; selections, Vocal studio of Alexander Nakutin; selections, piano studio of Edwin J. Gemmer; Chez Pierre Hawaiian guartet.

WJJD, Mooseheart, Ill. (370.2m-810kc), 5:30-7 p. m., dinner concert; Jack Nelson; Howard Peterson, organist; symphony players; Victorians; 8-9, child artists, solos, bands; 10-11, Victorians, Isabel Defaut, Simeon Oliver, pianist; R. Thomas; 12:30 a. m., Settin' Up hour.

WLIB, Chicago, Ill. (302.8m-990kc), 7:15-7:30 p. m., dinner music; 7:30-7:50, Pattison Coates, baritone; Edward Barry, pianist; 7:50-8, Auld Sandy; 8-9, WEAF; 12:30-1 a. m., Ambrose Larsen, organist.

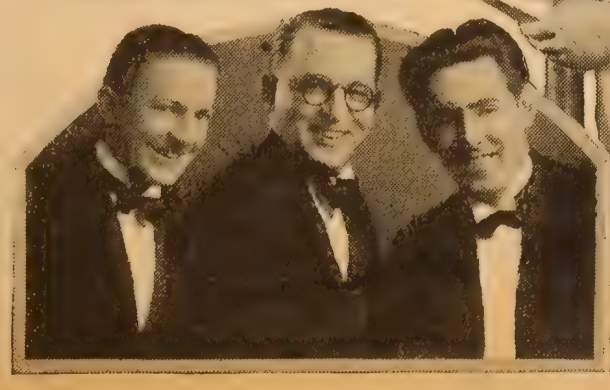
WLS, Chicago, Ill. (344.6m-870kc), 7:15 p. m., Rose Sherman, violinist; Marie Ludwig, harpist; 7:30, Al Melgard, organist; 8:10, Cecil and Esther Ward, Hawaiian music; 8:30, Midwest quartet; 9, WLS trio; 10, Medicine show, Krueger and Dillon; 11, Tin Pan Alley.

WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., dinner hour concert, Hotel Gibson; 8 p. m., recital, students of summer classes, Cincinnati College of Music; 9, concert, Elks' band; 10, Thorobred entertainment; 11, the Cincinnati Post program.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Hotel La Salle orchestra; 8:30, Whitney trio; 8:55, WMAQ, players, chimes.

Hilda Hopkins Burke, below, is the soprano who won first place in the Baltimore municipal vocal contest. She has been appointed WBAL soprano and will be heard every Tuesday night at this station.

Three Musical Mirth Makers are George Bensen, Austin Rosmer and Bert Dolan, below. With piano, saxophone, violin and vocal solos these popular young men entertain every Wednesday night at WBZ.



Wednesday, July 7

WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon duo; Elanor Kaplan, violinist; Monte Blunn, tenor. Preston Graves, pianist; request program; 9-11, Trianon orchestra; Woodlawn theater orchestra, vocal artists.
WOK, Chicago, Ill. (217.3m-1380kc), 6-7 p. m., Tip-Top Inn string ensemble; 10-1:30 a. m., Tearney's Town club orchestra; Pershing Palace orchestra; Midway Gardens orchestra; Capitol theater program.
WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9 p. m., Willard Battery hour; 16-Fingered Paul; Helen Neuman; Jim Forasey; Ruth Glaser; Pearl Knudson; Sid Goldman. Chuck Helwegen's Ramona Gardens orchestra; Minnie DuBey Johnson; 10:05, Atwater Kent hour.
WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Gardens orchestra; 10-2 a. m., Rainbo Gardens orchestra; Melodians; Flo and Ray; Joe Warner.
WRC, Washington, D. C. (468.5m-640kc), 5-6:20 p. m., Marine band.
WRVA, Richmond, Va. (256.3m-1170kc), 8:45 p. m., songs of the sea. Mariners quartet; 9:30, Robert J. Beadles, organist; 10:30, Carry Me Back to Old Virginny.
WSAI, Cincinnati, Ohio (325.9m-920), 6:45 p. m., chimes; 7, WEAF; 10, Congress Playing Card string quartet.
WSWS, Chicago, Ill. (275.1m-1090kc), 6 p. m., Rita McFawn, Leola Aikman; Josephine Oliver, Terrace Gardens orchestra; 8, Edward Holt, pianist; Terrace Gardens orchestra; 9, Terrace Gardens orchestra; Helen Snyder; John Clark, baritone; 10, Terrace Gardens quintet; 12-1 a. m., Witching hour.
WTAM, Cleveland, Ohio (389.4m-770kc), 6:15 p. m., Hotel Cleveland orchestra; 7:30, WEAF; 8, Public Auditorium program.
WTIC, Hartford, Conn. (475.9m-630kc), 7:30 p. m., Capitol theater orchestra; 7:50, talk; 8, Travelers Jongleurs and Unknown Troubadour; 9, Carroll's Palais Royal dance orchestra.
WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7, WEAF; 7:30, News orchestra; 8, dance program; 9, Detroit News orchestra.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., dinner concert; 8:30-10:30, musicale.
KFH, Wichita, Kans. (267.7m-1120kc), 7 p. m., Saxophone octet; 7:30, popular songs, Jimmie White, Clovis Miller.
KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., concert, Henry Field Seed company.
KMA, Shenandoah, Iowa (252m-1190kc), 9-11 p. m., musicale.
KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., Jacquinot Jules, organist; 7, Gordon Morrison, guitarist; KMOX Radio orchestra; 8:30-9:30, song cycle, "Germany"; Mrs. Karl Kimmel, soprano; 9:30-11:30, trumpet flourish; "Crinoline Days," Armein Mueller; Royal Radio drama, "The Wedding Present."
KPRC, Houston, Texas (296.9m-1010kc), 7:30 p. m., Kensington hall dance orchestra; 8, Patrick Brown, baritone; 8:15, dance music; 8:45, Frank Tilton, blind wonder boy pianist; 9, Lillian Richards, Rice hotel songbird.
KSO, Clarinda, Iowa (241.8m-1240kc), 8 p. m., music; 8:30, Edna Bliss, blind pianist.
KVOO, Bristow, Okla. (374.8m-800kc), 6-9 p. m., Radio trio; Mascho, Cunningham, Mascho.
WADC, Akron, Ohio (258.5m-1160kc) 9 p. m., Roseland dance orchestra.
WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6-8 p. m., WEAF; 8, midweek church service; 9, musicale; 11:30, Eddie Dunstedter, organist.
WCOA, Pensacola, Fla. (222m-1350kc), 7 p. m., A. Morley Darby, spirituals; Rev. George Callahan, pianist; Mrs. George Turner, whistler; Frances Keen Villar, vocalist; Harry Davis, tenor; John E. Frenkel; Venetian trio.
WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., Instrumental quartet; C. C. Shoemaker, tenor.
WHB, Kansas City, Mo. (365.6m-820kc), 7-8 p. m., Three Uke Girls; 10:30-11:30, midweek Radio feature.
WHO, Des Moines, Iowa (526m-570kc), 6-7 p. m., Bankers' Life Little symphony orchestra; 7-8, orchestra; 8-9, Young Brothers, harmony boys; popular songs, Ralph Starr; Harry Lewis, soloists; Ed Chase and Paul Blakemore, mandolin and piano soloists; 9-11, dance program.
WOAI, San Antonio, Texas (394.5m-760kc), 8:30 p. m., Army night program.
WOC, Davenport Iowa, (483.6m-620kc), 6-6:30 p. m., WEAF; 9:30-10:30, Erwin Swindell, organist.
WSBT, South Bend, Ind. (275.1m-1090kc), 7-9:30 p. m., concert.
WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., dinner concert; 8, Nellie Lee Moran, soprano; 10, studio program.
WSMB, New Orleans, La. (319m-940kc), 8:30-10:30 p. m., Schilling's Society serenaders; Marcus show.

Mountain Standard Time Stations

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra; 8, Scheuerman's Colorado orchestra; 8:15, KOA orchestra; Lancaster Smith, baritone; Iris Wilson, contralto; Jeldo Carron, accordionist; KOA orchestra; Harry F. Taylor, tenor; Lancaster Smith, baritone; Dorothy Milne, violinist; Ruth Hake Ponte, pianist; instrumental trio; Vera Reynolds, violinist.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642), 7-7:30 p. m., popular program; 7:30-8, Nick Harris detective story; 8-9, program, California Petroleum corp.; 9-10, Claribel Patten Wallace, contralto; 10-11, Charles Beauchamp, tenor.
KFWB, Hollywood, Calif. (252m-1190kc), 7:30-8 p. m., program, Corduroy Tire stores; 8-9, program, A. V. Shotwell corp.; 9-10, Romola program; 10-11, Warner Brothers frolic.
KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-9, concert; 9-10, concert, vocal and instrumental.
KHJ, Los Angeles, Calif. 405.2m-740kc), 6:30-7:30 p. m., Uncle John and the children; 8-10, Times de luxe program.
KTAB, Oakland, Calif. (239.9m-1250kc), 7-7:30 p. m., shopping hour.

Thursday, July 8

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
8:30 p. m.	7:30	6:30	5:30	4:30

WRC (468.5m-640kc), WJZ (454.3m-660kc), WGY (379.5m-790kc), U. S. Marine band.
WTIC (475.9m-630kc), Lucas, Latham and Serenaders.

9	8	7	6	5

WMCA (340.7m-880kc), Solow soloists.

9:30	8:30	7:30	6:30	5:30

WBAP (475.9m-630kc), Fort Worth Harmony club.

10:30	9:30	8:30	7:30	6:30

KPRC (296.9m-1010kc), Orpheus club male chorus.

11	10	9	8	7

WCCO (416.4m-720kc), Justrite Boys.

11:30	10:30	9:30	8:30	7:30

WBAP (475.9m-630kc), Harmony club.

12 m.	11	10	9	8

KFI (467m-642kc), Adie Lucien, yodeler.
KGW (491.5m-610kc), Vaudeville.

1:15 a. m.	12:15	11:15	10:15	9:15

WLW (422.3m-710kc), Night Howls.

For stations silent tonight refer to first Thursday's list.

Atlantic or Eastern Daylight Saving Time Stations

CFCA, Toronto, Can. (356.9m-840kc), 11 p. m., Gilbert Watson and his orchestra.
CKNC, Toronto, Can. (356.9m-840kc), 8 p. m., dance orchestra, Garrard J. Kelly, tenor, Dwight Wilson, baritone.
WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert; 8, concert; 8:15, WEAF; 9, WEAF; 10, WEAF.
WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:30 p. m., Cathay orchestra; 7:30, Snellenburg symphony orches-

tra; 8, Saddler's Plantation serenaders; 8:30, Clifton's anglers; 8:45, Kandy Kids; 9, Barry O'Moore, Irish tenor; 9:30, Musical chefs; 9:45, Professor Doolittle.
WEAF, New York, N. Y. (491.5m-610kc), 6-12 midnight, dinner music; midweek hymn sing; 8:15, Hires Harvesters, WEEI, WFI, WCAE, WLIB, WSAI, WWJ, WTAM; 9, Cliquot club Eskimos, WEEI, WJAR, WTAG, WFI, WCAE, WSAI, WTAM, WGR, WWJ, WOC, KSD, WCCO, WGN; 10, Silvertown Cord orchestra, WEEI, WFI, WCAE, WWJ, WGR, WOC, WCCO, WTAG, KSD, WSAI, WJAR, WGN, WADC; 11-12, Buffalodians.
WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra; 7:15, Keystone Automobile club feature; 8:15, WEAF.
WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., Vincent Lopez Hotel Statler dance orchestra; 8, WEAF.
WHAR, Atlantic City, N. J. (275.1m-1090kc), 8 p. m., Seaside hotel trio; 9, studio concert; 11, Follies Bergere dance orchestra.
WHN, New York, N. Y. (361.2m-830kc), 8 p. m., Will Oakland's chateau; 10:30, Leroy Smith's orchestra; 11:30, Everglades orchestra; 12, Sophie Tucker's playground.
WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 9, Pat Conway's band; 9:30, Hotel Traymore concert orchestra; 11:15, Silver Slipper club dance orchestra.
WJAR, Providence, R. I. (305.9m-980kc), 8 p. m., Robert W. Powers Hudson-Essex orchestra; 9-11, WEAF.
WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Hotel Pennsylvania concert orchestra; 7:40, Judge, Jr.; 8, First National presentation, WRC; 8:30, WRC; 9:30, Royal Typewriter Salon orchestra, WGY, WCAD, WRC; 10:30, the Record Boys, WRC; 11, WRC.
WLIT, Philadelphia, Pa. (394.5m-760kc), 7:30 p. m., Benjamin Franklin concert orchestra.
WMCA, New York, N. Y. (340.7m-880kc), 7 p. m., Hofbrau Haus entertainers; 8, Roemer's Homers; 9, Solow soloists; 9:30, Coulmbia Park entertainers; 10, Woodmansten Inn orchestra; 11, Ernie Golden and his Hotel McAlpin orchestra; 12, McAlpin entertainers.
WNYC, New York, N. Y. (526m-570kc), 6:10 p. m., piano selections.
WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Adelphia Roof Garden dance orchestra.
WOR, Newark, N. J. (405.2m-740kc), 6:30 p. m., Jacques Jacobs' Hotel Shelton ensemble.

phony players; 8-9, children's hour; 10-11, Victorians, quartet; 12:30 a. m., Knights of the Burning Candle.
WLIB, Chicago, Ill. (302.8m-990kc), 7:15-8 p. m., WEAF; 11-11:20, Correll and Gosden; 11:20-1 a. m., Liberty studio ensemble; Amborse Larsen, organist; Tommy Thatcher's Drake hotel dance orchestra; Fred Hamm's Purple Grackle orchestra.
WLS, Chicago, Ill. (344.6m-870kc), 6:30 p. m., Elsie Look, organist; 6:45, College Inn orchestra; 7:15, Rose Sherman, violinist; Marie Ludwig, harpist; 7:30, Al. Melgard, organist; 7:50, Voice of the Listener; 8:20, Mu Phi Epsilon concert.
WLW, Cincinnati, Ohio (422.3m-710kc), 6:15 p. m., Norrine Gibbons and Priscilla Holbrook; 7, dinner concert, Hotel Gibson; 8, special program for Shut-ins; 10:03, Doherty Melody boys; 11, Irene Downing and Tommy Reynolds; 11:30, dance selections, Henry Theis' Castle Farmers; 12:15, Night Howls.
WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Hotel La Salle orchestra; 8, music; 9:20, musical program, chimes.
WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon ensemble; Hilda Hinrichs, cellist; Margaret Conrad, violinist; Preston Graves, pianist; 9-11, Trianon orchestra, orchestras; ensemble; Bob Bennet, popular program.
WOK, Chicago, Ill. (217.3m-1380kc), 6-7 p. m., Tip-Top Inn string ensemble; Lorraine's Pershing Palace orchestra; Midway Garden orchestra; Capitol theater program.
WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Gardens orchestra; 10-2 a. m., Rainbo Gardens orchestra; Bert Davis; Lew Butler.
WRC, Washington, D. C. (468.5m-640kc), 7 p. m., WJZ; 7:30, U. S. Marine band; 9, WJZ; 9:30, WRC players; 10:30, WJZ.
WRVA, Richmond, Va. (256.3m-1170kc), 8:45 p. m., piano recital; 9:10, American composers; 9:45, Chesterfield Country club orcehstra.
WSAI, Cincinnati, Ohio (325.9m-920kc), 7:15 p. m., WEAF.
WSWS, Chicago, Ill. (275.1m-1090kc), 6 p. m., Josephine Oliver, Hugh Aspinwall; 7, John Loring Cook, music school program; Gus Edwards orchestra; 10, Terrace Gardens quintet; 11, Kenneth Clark; Rudy Winter, Billy Schaefer; 12-1 a. m., Witching hour.
WTAM, Cleveland, Ohio (389.4m-770kc), 6:15 p. m., Hollenden hotel orchestra; 7:15-9, WEAF; 9, studio program; Collegian serenaders.

FARMERS' PROGRAMS INDEX

Farmer Dinner Concerts

Daily Except Sunday

CENTRAL TIME
KFNF, 12:15-1:35 p. m.
KMA, 11:30-12:30
KSO, 12:30-1:30 p. m.

Sunday

Atlantic	Eastern	Central	Mountain	Pacific
4:30 p. m.	3:30	2:30	1:30	12:30

WFAA (475.9m-630kc), Sunday hour for farmers.

Monday

Atlantic	Eastern	Central	Mountain	Pacific
12 n.	11	10	9	8

KMMJ (228.9m-1310kc), Poultry talks.

2 p. m.	1	12 n.	11	10

WEAO (293.9m-1020kc), Timely Economic Information for the Farmer.

2:15	1:15	12:15	11:15	10:15

KSO (241.8m-1240kc), Farm talk.

2:30	1:30	12:30	11:30	10:30

KMA (241.8m-1240kc), Farm talk, Agricultural aid.
WMAQ (447.5m-670kc), Prairie Farmer farm talks.

8:15	7:15	6:15	5:15	4:15

WGY (379.5m-790kc), Agricultural program.

8:45	7:45	6:45	5:45	4:45

WSM (282.8m-1060kc), Poultry talks.

9	8	7	6	5

WOS (440.9m-680kc), Livestock questions and answers.

9:30	8:30	7:30	6:30	5:30

WMC (499.7m-600kc), Farm talk.
WOI (270m-1110kc), Horticultural Short Course lecture.

9:45	8:45	7:45	6:45	5:45

WCCO (416.4m-720kc), Farm lecture.

12:05a.m.	11:05	10:05	9:05	8:05

KGO (361.2m-830kc), Agricultural Outlook.

Tuesday

Atlantic	Eastern	Central	Mountain	Pacific
12 n.	11	10	9	8

KMMJ (228.9m-1310kc); Poultry talks.

2:15	1:15	12:15	11:15	10:15

KSO (241.8m-1240kc), Radio farm.

2:30	1:30	12:30	11:30	10:30

KMA (241.8m-1240kc), Agricultural aid.
WMAQ (447.5m-670kc), Prairie Farmer farm talks.

2:45	1:45	12:45	11:45	10:45

WOI (270m-1110kc), "Animal Husbandry."

9:33	8:33	7:33	6:33	5:33

KYW (535.4m-560kc), American Farm Bureau Federation.

10:30	9:30	8:30	7:30	6:30

KOA (322.4m-930kc), Farm question box.

Wednesday

Atlantic	Eastern	Central	Mountain	Pacific
1:45p.m.	12:45	11:45	10:45	9:45

WMAQ (447.5m-670kc), Prairie Farmer farm talks.
WOI (270m-1110kc), Poultry husbandry.

2:15	1:15	12:15	11:15	10:15

KSO (241.8m-1240kc), Farm talk.

2:30	1:30	12:30	11:30	10:30

KMA (241.8m-1240kc), Agricultural aid.
WFAA (475.9m-630kc), Sears-Roebuck Agricultural program.

9	8	7	6	5

WOS (440.9m-680kc), Evening market hour, poultry questions and answers.

Thursday

Atlantic	Eastern	Central	Mountain	Pacific
2:15 p. m.	1:15	12:15	11:15	10:15

KSO (241.8m-1240kc), Radio Farm talk.
WOI (270m-1110kc), Farm crops.

2:30	1:30	12:30	11:30	10:30

KMA (241.8m-1240kc), Agricultural aid.
WMAQ (447.5m-640kc), Prairie Farmer farm talks.

9:30	8:30	7:30	6:30	5:30

WOI (270m-1110kc), Talk.

9:33	8:33	7:33	6:33	5:33

KYW (535.4m-560kc), American Farm bureau.

10:30	9:30	8:30	7:30	6:30

KOA (322.4m-930kc), Farm question box.

Friday

Atlantic	Eastern	Central	Mountain	Pacific
2:15 p. m.	1:15	12:15	11:15	10:15

KSO (241.8m-1240kc), Farm talk.

2:30	1:30	12:30	11:30	10:30

KMA (241.8m-1240kc), Agricultural aid.
WMAQ (447.5m-670kc), Prairie Farmer farm talks.

2:45	1:45	12:45	11:45	10:45

WOI (270m-1110kc), Agricultural Economics.

9	8	7	6	5

WOS (440.9m-680kc), Evening Market hour. Dairy questions and answers.

9:15	8:15	7:15	6:15	5:15

KSO (242m-1240kc), Farm talk.

9:30	8:30	7:30	6:30	5:30

WOC (483.6m-620kc), Question box.

Saturday

Atlantic	Eastern	Central	Mountain	Pacific
2 p. m.	1	12 n.	11	10

KPRC (296.9m-1010kc), Farmers' educational and musical program.

2:15	1:15	12:15	11:15	10:15

KSO (241.8m-1240kc), Farm talk.

2:30	1:30	12:30	11:30	10:30

KMA (241.8m-1240kc), Agricultural aid.

2:45	1:45	12:45	11:45	10:45

WOI (270.m-1110kc), Soils, questions and answers.

9	8	7	6	5

KDKA (309.1m-970kc), Farm program.

Eastern Standard or Central Daylight Saving Time Stations

KYW, Chicago, Ill. (535.4m-560kc), 7 p. m., musicale, Hearst Square; 9-10:30, classical concert; 10:30-11:30, Congress carnival.
WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., WBAL dinner orchestra; 8-8:30, Howard R. Thatcher, organist; 8:30-9, WBAL mixed quartet; 9-10, WBAL trio, soloist; John Wilbourn, tenor.
WBBM, Chicago, Ill. (225.4m-1330kc), 8-10 p. m., Melody hour; Moss Covered Melodists; Vic Fredericks, air comedian; 10-10:30, Howard Osborne's Vanity Fair orchestra; Alemite orchestra; Maurice Silverman, tenor; 11-12, midnight, dance period.
WCBD, Zion, Ill. (344.6m-870kc), 8 p. m., mixed quartet, McElroy saxophone quintet; trios, duets; Mrs. Carl Huth, harp soloist; Florence Farrar, contralto; Ralph Bull, tenor; Chester Bagg, baritone; Marion Lee, reader.
WEBH, Chicago, Ill. (370.2m-810kc), 7 p. m., special recital; 9:15, Oriole orchestra; Ruth Buhl Flick, reader; Dorothy Herman Blum; 11-12:30 a. m., orchestra; Pat Ward; Rita McFawn; Mary Bieber.
WENR, Chicago, Ill. (265.3m-1130kc), 6-7 p. m., Rauland lyric trio; 8-10, All-American Pioneers.
WGES, Oak Park, Ill. (249.9m-1020kc), 5-7 p. m., organ music, Our Lady of Sorrows church; 8-9, Frank Sylvano, Louis Panico, Guyon's Paradise ballroom orchestra; Leona Hayes; 11-12, Flo and Ray, Phil Fleming; Melody Girls; 12-1 a. m., Panico panic.
WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert; 10-11, Frolickers; Heck and Mac; Mr. and Mrs. Eddie McGrath; Motortown trio; 11-12, Skylark dance band; Marvelle Payette, soprano; 12-1 a. m., Gerald Marks' orchestra.
WGN, Chicago, Ill. (302.8m-990kc), 6:35-7 p. m., Drake concert ensemble; 8-9, WEAF; 9-10, WEAF; 10-10:10, ensemble.
WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., WCAD; 6:45, old-time popular songs; 7:30, WRC; 8:30, WJZ; 9:30, musical program; 10:30, organ recital.
WHT, Chicago, Ill. (399.8m-750kc), 7-10 p. m., Al Carney, organist; 8:45-10:15 (238m-1260kc), studio features; 11, Lee Simms and Gloom Chasers; 11:10 (399.8m-750kc), U. S. L. entertainers; 12 midnight, your hour league.
WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., dinner concert, string trio; tenor; baritone; Chester Neuman; 12 midnight, jamboree; Ted Fiorito, pianist; Dan Russo, violinist; Marie Tully, songs, artists.
WJAZ, Chicago, Ill. (329.5m-910kc), 9-12 mid., Spanish Garden studio classical program.
WJJD, Mooseheart, Ill. (370.2m-810kc), 5:30-7 p. m., Jack Nelson, Howard L. Peterson; Palmer House Sym-

WTIC, Hartford, Conn. (475.9m-630kc), 7 p. m., "Scottie" Miller; 7:30, Lucas, Latham and serenaders; 8, For-an-to Melody Makers; Manchester male quartet; 9, Emil Heimberger's Hotel Bond dance orchestra.
WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7, WEAF.

Central Standard Time Stations

CKY, Winnipeg, Man. (384.4m-780kc), 8:30 p. m., Canadian national Railways program.
KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., program.
KLDS, Independence, Mo. (440.9m-680kc), 8 p. m., classical program, arranged by Elma Eaton Karr, violinist.
KOIL, Council Bluffs, Iowa (278m-1080kc), 6:03 p. m., Jamieson Oil duo; 6:30, Art Marr's Imperial orchestra; 7, program; 8, Scotch trio; Everett Dodds, pianist and songster; William Harry Wallace, pipe major; Robert Malcolm, drummer; 11, Hotsy Totsy hour.
KPRC, Houston, Texas (296.9m-1010kc), 7:30 p. m., Harry Kobusch and his orchestra; Carl Moritz; 8:30, Orpheus club; 9, Edna Adams.
KSO, Clarinda, Iowa (241.8m-1240kc), 8 p. m., Municipal band.
KVOO, Bristow, Okla. (374.8m-880kc), 6-9 p. m., surprise program.
KWWG, Brownsville, Texas (277.6m-1080kc), 8:30-8:45 p. m., Carlos Guardiola, pianist; 8:45-9:00, Sr. Revueltas, Mexican songs; 9-9:30, Mrs. Fritz Schmidt, contralto; Sgt. Nichols, cornetist; Doc. Dutro, harmonica solo.
WADC, Akron, Ohio (258.5m-1160kc), 9 p. m., Silvertown Cord orchestra; 10, Roseland orchestra.
WBAP, Fort Worth, Texas (475.9m-630kc), 7:30-8:30 p. m., Davis Baking Powder saxophone octet; 11-12, Sorin White Top o' Texas orchestra.
WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 7 p. m., WEAF; 9, Justrite Boys.
WFAA, Dallas, Texas (475.9m-630kc), 6.30-7:30 p. m., Jimmy Joy's orchestra; 8:30-9:30, recital, Mickwitz club.
WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., mixed vocal and instrumental concert.
WHB, Kansas City, Mo. (365.6m-820kc), 7-7:30 p. m., dinner hour organ concert; 8-9:30, string trio.
WHO, Des Moines, Iowa (526m-570kc), 7:30-8 p. m., Philbrack and Younker tea-room orchestra; 8-9, Bankers' Life trio; Myrtle Williams, soprano; Stewart Watson, baritone.
WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., studio program.
WOAI, San Antonio, Texas (394.5m-760kc), 8:30 p. m., Mistletoe Melody Maids.
WOAW, Omaha, Nebr. (526m-570kc), 6 p. m., Elks or-

gan; 6:25, Francis Potter, banjoist; 6:50, orchestra; 9, Sunshine program.
WOC, Davenport, Iowa (483.6m-620kc), 6-9 p. m., WEAF; 9-9:30, Moline Plowboys.
WRR, Dallas, Texas (245.8m-1220kc), 6:10-7 p. m., Jack Gardner's orchestra; 8-9, musicale; 9:30-10:30, Dyo Duo and other musicians.
WSMB, New Orleans, La. (319m-940kc), 8:30-10:30 p. m., Radio Revelers orchestra; Liberty theater orchestra.

Mountain Standard Time Stations

KFXF, Colorado Springs, Colo. (249.9m-1200kc), 9 p. m., Russell Greenfield Mason, flute soloist; Benjamin Johnson, pianist; W. C. Bybee, tenor.
KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., song program, Paul Roberts, Leslie Adams; 8-9, Si Darling, old-time fiddler; Addie Lucien, yodeler; 9-10, grand opera program; 10-11, Patrick-Marsh dance orchestra.
KFWB, Hollywood, Calif. (252m-1150kc), 7-8 p. m., program, O'Neal and Son; 8-9, program, McGavin Brothers Bakeries; 9-10, program, Dell's Ice Cream; 10-11, Warner Brothers frolic.
KGO, Oakland, Calif. (361.2m-830kc), 8-9 p. m., vacation program; 9-12, Brokaw and orchestra.
KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-10, vaudeville program, Four Sailors; Ebony and Ivory, piano duet; Motor Coach entertainers; Tommy Luke's Flower girls; 10-12, Cole McElroy's dance orchestra.
KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., children's hour, Uncle John; 8-10, Zoellner string quartet; Gladys Blackwell Pickering, soprano.
KPSN, Pasadena, Calif. (315.6m-950kc), 6-6:15 p. m., dinner time news; 8-9, Pasadena chamber of commerce.
KTAB, Oakland, Calif. (239.9m-1250kc), 7-7:30 p. m., shopping hour; 8-10, program.

Friday, July 9

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
8:10 p. m.	7:10	6:10	5:10	4:10

WRR (245.8m-1220kc), Mercedes McManus, blues singer.

8:15	7:15	6:15	5:15	4:15

WGN (302.8m-990kc), Paul Ash's show.

8:30	7:30	6:30	5:30	4:30

WFAA (475.9m-630kc), Paul Cretien's banjo quintet.

9:15	8:15	7:15	6:15	5:15

WGY (379.5m-790kc), "Tenderfoot's Turn."

For stations silent tonight refer to first Friday's list.

Atlantic or Eastern Daylight Saving Time Stations

WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert; 8, studio program; 9:30, concert; 10, WEAF; 10:30, WEAF.
WCAU, Philadelphia, Pa. (277.6m-1080kc), 5:45 p. m., Hotel Pennsylvania orchestra; 7:15, Peter Rabbit and Kiddies; 7:30, Snellenburg Instrumental trio; 8, Sullivan Brothers, ukulele; 8:15, Enrico Aresoni, operatic tenor; 8:30, Singing Groudhog; 8:45, Dwight Strickland, "poetician"; 9, Regina Crooners; 9:15, Nasco Jolly Four; 9:45, Jack and Jill, songs; 10, Archie Lloyd, Tillie Shapiro, Kathryn Jordan, harmony songs; 10:30, Myers musical architects.
WEAF, New York, N. Y. (491.5m-610kc), 6-12 midnight, dinner music; Whittall Anglo-Persians; Hotel Bossert Marine Roof orchestra; Pelham Heath Inn orchestra.
WEBJ, New York, N. Y. (272.6m-1100kc), 7 p. m., Blenheim theater ensemble; 7:30, Luna's Knickerbocker orchestra; 8, William Bisignamo, accordion soloist; 8:15, Brennan and Adams; 8:30, Luna's Marine band.
WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra.
WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., pianist; 7, Winger's Crescent Park entertainers; 7:30, WEAF; 8, studio program; 9:30, WEAF; 10, classical program; 11, Vincent Lopez Hotel Statler dance orchestra.
WHAR, Atlantic City, N. J. (275.1m-1090kc), 8 p. m., Seaside hotel trio.
WHN, New York, N. Y. (361.2m-830kc), 7 p. m., Country club orchestra; 7:30, Treasureland Neighbors; 8, Uncle Robert's chat; 9, concert, Loew's 7th Ave. theater; 10, Roseland dance orchestra; 10:30, Strand roof orchestra; 11:30, Club Alabam orchestra; 12, Silver Slipper orchestra.
WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra.
WJAR, Providence, R. I. (305.9m-980kc), 8 p. m., musicale; 8:30, Gorman's Jolly Bakers; 9, musicale; 10, WEAF; 11, Providence Biltmore dance orchestra.
WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., George Olsen's Hotel Pennsylvania Roof orchestra; 8, Sundial Shoe serenaders, Bonnie Laddies; 10:30, Harold Stern's Hotel Belleclaire Roof orchestra.
WLIT, Philadelphia, Pa. (394.5m-760kc), 8 p. m., Pioneer Storage Battery entertainers; 9, Schickerling Artists; 10, Morning Glory club concert; 10:30, Rufus and Rastus; 11, Freshman Masterpiece Radio hour.
WMCA, New York, N. Y. (340.7m-880kc), 6:30 p. m., Ernie Golden and his Hotel McAlpin orchestra; 7:15, Ernie Golden and his Hotel McAlpin orchestra; 7:30, Sach's Quality Boys; 8:30, "Muscle Shoals"; 9, Paul Whiteman's Piccadilly Players; 9:30, Klein's Serenading Shoemakers; 11, Jack Denny's orchestra; 12 m., McAlpin entertainers.
WNYC, New York, N. Y. (526m-570kc), 6 p. m., piano selections.
WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., dance orchestra; 8, WOO orchestra; 9:25, Fox theater program; 10, WEAF; 10:30, Sylvania dance orchestra.
WOR, Newark, N. J. (405.2m-740kc), 6:40 p. m., Hotel Bretton Hall string quartet.

Eastern Standard or Central Daylight Saving Time Stations

KYW, Chicago, Ill. (535.4m-560kc), 7 p. m., musicale; 8-9, Federal Masters; 10:30-12, Congress carnival.
WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., WBAL, dinner orchestra; 8-9, vocal and instrumental soloists; 9-10, Baltimore Municipal band.
WBBM, Chicago, Ill. (225.4m-1330kc), 8-10 p. m., Alemite orchestra; Harmony time.
WEBH, Chicago, Ill. (370.2m-810kc), 7 p. m., Osborn's orchestra; Bernard Weber, Pauline Sachs; 9:15, Osborn's orchestra; Bernard Weber; 11-12:30 a. m., orchestra; Irene Beasley; Day and Knight.
WENR, Chicago, Ill. (265.3m-1130kc), 6-7 p. m., Rauland lyric trio; 8-9, Moody Bible Institute hour; 9-10, Arthur Dunas, popular program; 12-2 a. m., midnite frolic.
WGES, Oak Park, Ill. (249.9m-1200kc), 5-7 p. m., request night; 8-9, Joe Warner, Joie Walsh, Tom Wheeler; Melody Girls; 11-1 a. m., Jimmy Wall, Clarence Theders; Peggy O'Neil, Esther Richard, Pat Ryan.
WGHB, Clearwater, Fla. (265.3m-1130kc), 8:30-10 p. m., organ recital, Peace Memorial church.
WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert; 10-11, entertainers; 11-12, Skylark dance band; Victor Prather, trombonist; John Dickinson, baritone; 12-1 a. m., Gerald Mark's orchestra.
WGN, Chicago, Ill. (302.8m-990kc), 6:35-7 p. m., musical program; 7:15-8:15, Paul Ash; 8:15, musicale; 9, WEAF; 9:30-10, Phantom violin; 10-10:10, Sam 'n' Henry; 10:10-11, musical program, ensemble.
WGY, Schenetady, N. Y. (379.5m-790kc), 6 p. m., dinner program, Hotel Van Curler; 6:30, WCAD; 6:35, WGY orchestra; 7:15, comedy, "Tenderfoot's Turn"; 9:30, musical program.
WHT, Chicago, Ill. (399.8m-750kc), 7 p. m., Al Carney; 10:15 (238m-1260kc), musical features; 10:30 (399.8m-750kc), Sunbeam Girls; 12 midnight, your hour league.
WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., dinner program, string trio; Charlotte Edwards, contralto; 10-12, popular program; Ted Fiorito, pianist; Dan Russo, violinist; songs, monologues; Tony Corcoran; Hickey and Johnson.

Friday, July 9

WJAZ, Chicago, Ill. (329.5m-910kc), 9-12 midnight, Earl Hoffman's Chez Pierre orchestra; the Quips That Pass in the Night; Harry Morse, tenor; Helen Jenkins, pianist; Chez Pierre Hawaiian quartet.
WJJD, Mooseheart, Ill. (370.2m-810kc), 5:30-7 p. m., Jack Nelson; Howard L. Peterson; 8-9, Senator Harold C. Kessinger; 10-11, Palmer House Victorians; Jean St. Anne; 12:30, Settin' Up hour.
WLIB, Chicago, Ill. (302.8m-990kc), 7:05-7:15 p. m., Old-Fashioned Almanack; 11-11:20, Correll and Gosden; 11:20-1 a. m., Liberty studio ensemble; Ambrose Larsen, organist; Tommy Thatcher's Drake hotel dance orchestra; Purple Grackle odrchestra.
WLS, Chicago, Ill. (344.6m-870kc), 6:30 p. m., Elsie Mae Look, organist; 7:15, Rose Sherman, violinist; Marie Ludwig, harpist; 7:30, Al Melgard, organist; 8:30, Maurie Sherman College Inn orchestra; 9:30, Chicago Ladies' quartet; 11, Ralph Emerson, organist.
WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Wide-Awake club program; 8, musical program; 8:30, Whitney trio; 9:20, musical program, chimes.
WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p .m., Trianon duo, male trio; 9-11, Trianon orchestra; banjo barons; male trio.
WOK, Chicago, Ill. (217.3m-1380kc), 6-7 p. m., Tip-Top Inn string ensemble concert; 10-1:30 a. m., Tearney's Town club orchestra; Midway Garden orchestra; Capitol theater program.
WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9 p. m., classical concert, Mrs. W. V. Morrow, Henry Vaughn; 10:05, classical concert.
WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Gardens orchestra; Kenneth Sterling; 10-2 a. m., orchestra; Muriel Olson, contralto; Johnny Poat, baritone; Romo Vincent.
WRVA, Richmond, Va. (256.3m-1170kc), 7 p. m., Richmond hotel orchestra; 8:30, Starlight jazz negro quartet; 9:05, "An Evening in a Broadcast Station," studio staff; 10, Golden Gate syncopators.
WSWS, Chicago, Ill. (275.1m-1090kc), 6-7 p. m., Zola Haynes, Peter Gross, tenor; 8, Terrace Gardens orchestra; 10, Ruth Boutay, blues; Josephine Oliver, Terrace Gardens quintet; 12, Witching hour.
WTAM, Cleveland, Ohio (389.4m-770kc), 6:45 p. m., Hotel Cleveland orchestra; 8, studio program; 9, WEAF; 9:30, studio program; 11, orchestra.
WTIC, Hartford, Conn. (475.9m-630kc), 6:50 p. m., piano recital, Laura C. Gaudet; 7:30, Colt Park Municipal orchestra; 8:30, Gladys Lilly, violinist; 9, Dick Kelly's orchestra; 9:45, "The Debutants".
WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 8, News orchestra; 9, WEAF.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., dinner concert; 8:30-10:30, variety program.
KFDM, Beaumont, Texas (315.6m-950kc), 7:30-8 p. m., children's program; 8-10, Refinery band.
KFH, Wichita, Kan. (267.7m-1120kc), 7 p. m., classical program; 11, Lassen Harmonizers.
KFNF, Shenandoah, Iowa (263m-1140kc), 7:30 p. m., program.
KMA, Shenandoah, Iowa (252m-1190kc), 7-11 p. m., De Luxe program.
KMOX, St. Louis, Mo. (280.2m-1070kc), 7 p. m., KMOX Radio orchestra; 8, orchestra; Colonel 6121; 9, KMOX Radio orchestra; 9:30, Bamalogue; 10, Music Lovers' hour.
KOIL, Council Bluffs, Iowa (278m-1080kc), 6:03 p. m., Pontiac Six; 7:30, Louise Cuyler, violinist; Dorothy Steinbaugh, soprano; Mrs. Frank Darling, pianist; 8:30, Dresher Brother's program; Jack and Jill; 11, Hotsy Totsy hour.
KSO, Clarinda, Iowa (241.8m-1240kc), 8 p. m., Pat McElroy; 8:20, Chicken Bristle musicians.
KVOO, Bristow, Okla. (374.8m-800kc), 6-9 p. m., Josephine Storey-White.
WADC, Akron, Ohio (258.5m-1160kc), 8 p. m., studio program; 10, Roseland dance orchestra; 12, midnite dance.
WBAP, Fort Worth, Texas (475.9m-630kc), 7:30-8:30 p. m., program, Mrs. D. W. Shivers; 9:40-11, concert, Mineral Wells; 11-12, musicale.
WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6:15 p. m., Wallie Erickson's Coliseum orchestra; 7:30, Jeanne Gray; 8, WEAF; 8:30, musicale; 10:05, Nankin cafe orchestra.
WCOA, Pensacola, Fla. (222m-1350kc), 7 p. m., Clara Frenkel, vocalist; Eddie Collins, saxophonist; Mrs. Sybil Mitchell, pianist; Rainbow dance orchestra.
WFAA, Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m., Troy Floyd's orchestra; 8:30-9:30, Paul Cretien's banjo quintet.
WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., Central State Hospital orchestra.
WHB, Kansas City, Mo. (365.6m-820kc), 7-8 p. m., Sweeney Radio orchestra.
WHO, Des Moines, Iowa (526m-570kc), 7:30-8 p. m., Philbreck and Younker tea-room orchestra 8-9, Mrs. Fred Marshall, soprano; Eve Winegarden, accompanist; Franklin Kagy, violin-cello soloist; Ella Bear, pianist; 11-12, Philbreck and his Younker tea-room orchestra.
WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Hotel Gayoso orchestra; 11, Harry O. Nichols, organist.
WOAI, San Antonio, Texas (394.5m-780kc), 8:30 p. m., San Antonio College of Music program, or Walter Dunham Harmonologue.
WOAW, Omaha, Nebr. (526m-570kc), 6 p. m., music review; 6:30, Red Feather program; 9, Ford dealers.
WOC, Davenport, Iowa (483.6m-620kc), 8-8:30 p. m., WEAF; 8:30-9:30, Mrs. William King, organist.
WRR, Dallas, Texas (245.8m-1220kc), 6:10-7 p. m., Frank Wright, pianist; Mercedes McManus, blues singer; 8-9, Magnolia Beaumont band; 11-12, late musicale.
WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., dinner concert; 8, Mrs. Daisy Fentress, contralto; 10, Lily Frankland, pianist.

Mountain Standard Time Stations

KFXF, Colorado Springs, Colo. (249.9m-1200kc), 8:30 p. m., Athene Went, ukulele soloist; Edgar Laughlin, baritone; Evelyn Bissell, pianist.
KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra; 8, Denver municipal band.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Ye Knights of the Knotes; 8-9, Aeolian organ; 9-10, Harry Decker's Hawaiians; 10-11, Packard ballad hour.
KFWB, Hollywood, Calif. (252m-1190kc), 7:30-8 p. m., program, Paralta studios; 8-9, program, John Wright, the Right Tailor; 9-10, program, Frank Meline company; 10-11, Warner Brothers frolic.
KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-9, vocal and instrumental concert; 9-10:30, vocal and instrumental; 10:30-12, frolic, Keep Growing Wiser Order of Hoot Owls, Pantages stars, features.
KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., Uncle John and the children; 8-10, Times de luxe program; 10-11, Clement's Super-six dance orchestra.
KTAB, Oakland, Calif. (239.9m-1250kc), 7-7:30 p. m., shopping hour; 8-10, program.

Saturday, July 10

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
8:30 p. m.	7:30	6:30	5:30	4:30

WJZ (454.3m-660kc), WRC (468.5m-640kc), New York Philharmonic orchestra.

9:30	8:30	7:30	6:30	5:30

KOIL (278m-1080kc), Birthday party.
WHAS (399.8m-750kc), Cardinals.

10	9	8	7	6

WSMB (319m-940kc), Bob Agularia, the old-timer.

11	10	9	8	7

WLS (344.6m-870kc), Indiana Radio talent contest.

12 m.	11	10	9	8

KMOX (280.2m-1070kc), "In Old Madrid."

For stations silent tonight refer to first Saturday's list.

Atlantic or Eastern Daylight Saving Time Stations

CFCA, Toronto, Can. (356.9m-840kc), 9 p. m., CFCA's summer orchestra.

Popular Cincinnati ballad singer is Ruth Pushin, above. She has been much applauded at WKRC during her frequent appearances.

WCAE, Pisstburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert.
WEAF, New York, N. Y. (491.5m-610kc), 6-12 mid., dinner music; musical comedy hits, orchestra, Goldman band concert; Ben Bernie and his orchestra; Vincent Lopez orchestra.
WFI, Phildelphia, Pa. (394.5m-760kc), spectacle "Freedom from Sesquicentennial.
WHAR, Atlantic City, N. J. (275.1m-1090kc), 8 p. m., Seaside hotel trio.
WIP, Philadelphia, Pa., (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 8:15, Hotel Ambassador orchestra; 8:30, program from Marine studio; 8:45, Pat Conway's band; 9:30, Million Dollar Pier dance orchestra; 10:45, Ted Weems Novelty dance orchestra; 11:05, organ recital.
WJAR, Providence, R. I. (305.9m-980kc), 7:20 p. m., WEAF; 9:15, WEAF.
WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Waldorf-Astoria Roof orchestra; 8, WRC; 8:25, Stadium Philharmonic concert, WRC; 10:30, Hotel Astor Roof orchestra.
WMCA, New York, N. Y. (340.7m-880kc), 7 p. m., Tappen's orchestra; 10:30, Stauch's orchestra; 11, Ernie Golden and his Hotel McAlpin orchestra; 12m., McAlpin entertainers.
WNYC, New York, N. Y. (526m-570kc), 7 p. m., piano selections; 7:15, songs; 10, police quartet.
WOR, Newark, N. J. (405.2m-740kc), 6:30 p. m., Jacques Jacob's Hotel Shelton ensemble; 8:30, Pryor's band; 9:15, Casino orchestra; 9:45, Berkeley Cartaret concert orchestra; 10:15, Brass quartet; 10:30, Monterey society orchestra; 11:15, Ben Bernie Berkeley cartaret grill.

Eastern Standard or Central Daylight Saving Time Stations

KYW, Chicago, Ill. (535.4m-560kc), 7 p. m., hour of music; 8, KYW's Congress hotel studio; 9-10:30, classical concert; 10:30-12, Congress carnival.
WBBM, Chicago, Ill. (225.4m-1330kc), 8-10 p. m., Alemite orchestra; 10-11, dance period; 12-2 a. m., Matched-Unit quartet; Ziegler Stars.
WEBH, Chicago, Ill. (370.2m-810kc), 8 p. m., songs, Frank Greif; 9:15-10, Edgewater Beach hotel orchestra; 11-12 midnight, Edgewater Beach Hotel orchestra; Kay Ronayne; 1-2 a. m., frolic.
WENR, Chicago, Ill. (265.3m-1130kc), 6-7 p. m., Rauland lyric trio; 8-9, Arthur Dunas, popular program; 9-10, All-American Pioneers; 12-2 a. m., midnite frolic.
WGES, Oak Park, Ill. (249.9m-1200kc), 5-7 p. m., Paradise Plane; Leona Hayes; 8-9, Louis Panico; Guyon's Paradiso ballroom orchestra; 11-1 a. m., Bobby Lee, Casey and Gervais; Peggy and Esther; Jack Lavin.
WGN, Chicago, Ill. (302.8m-990kc), 6:35-7 p. m., musical program; 8-8:10 Auld Sandy; 8:10-8:30, musicial program; 8:30-9:30, light opera concert; 9:30-10, "In a Gondola"; 10-10:10, Sam 'n' Henry; 10:10-11, ensemble.
WGY, Schnectady, N. Y. (379.5m-790kc), 5:30 p. m., program, Onondaga hotel; 9:30, Sagamore hotel program.
WHT, Chicago, Ill. (399.8m-750kc), 7 p. m., Al Carney, organist; 7:40, classical hour; 10:15 (238m-1260kc), Cinderella orchestra; 10:50 (399.8m-750kc), popular hour; 12 midnight, your hour league.
WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., dinner program; string trio; Frances Scheibe, George Hancher, Evelyn Elliott, Christopher Hendra.
WJAZ, Chicago, Ill. (329.5m-910kc), 9-12 mid., Earl Hoffman's Chez Pierre orchestra; Whistling Jim; vocal selections, Kennard Barradell vocal studio; late and old-time popular numbers, Zenith artists.
WJJD, Mooseheart, Ill. (370.2m-810kc), 5:40-7 p. m., Howard L. Peterson; Palmer House Symphony players; Victorians; Isabel Defaut; Simeon Oliver, pianist; 10-11, Isabel Defaut; Victorians; Cook Sisters; 12-1, Settin' Up Hour.
WLIB, Chicago, Ill. (302.8m-990kc), 7:15-7:30 p. m., dinner concert; 7:30-8, Drake concert ensemble, Blackstone string quintet; Pattison Coates, baritone; 11-11:20, Correll and Gosden; 11:20-1 a. m., Liberty studio ensemble; Ambrose Larsen, organist; Purple Grackle orchestra.
WLS, Chicago, Ill. (344.6m-870kc), 7:15-1 a. m., national barn dance; Indiana Radio talent contest.
WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., organ concert Johanna Grosse; 7:30, Meeting of the Sekatary Hawkins Radio club; 8, Johanna Grosse; 8:30, dance music, Calico Cat; 9:30, Henry Theis and his Castle Farmers.
WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Hotel LaSalle orchestra; 8, Daw and Pratt; 8:30, photologue; 9, Chicago theater revue.
WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon ensemble; Hilda Hinrichs, cellist; Margaret Conrad, violinist; Preston Graves, pianist; Franklin Kidd, tenor; Arvid Anderson, program; 9-11, Trianon orchestra; ensemble; popular program.
WOK, Chicago, Ill. (217.3m-1380kc, 6-7 p. m., Tip-Top Inn ensemble concert; 10-1 a. m., Tearney's Town club orchestra; Carl Lorraine's Pershing Palace orchestra; Midway Garden orchestra; Capitol theater program.
WOOD, Grand Rapids, Mich. (241.8m-1240kc), 10:05 p. m., Say-it-time program; Bob and Hazel McOsker; Harold DeWindt, Freddie Gleason, Jerry Roach, Thelma Dykman, Louie Cunningham, Dodo and Mom; 10:35, Chuck Helwegen's Ramona Gardens orchestra.
WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Gardens orchestra; Jean Carlson, soprano; Kenyth Dunn, pianist; Peter Gruber, violinist; 10-3 a. m., Jerry Sullivan; artists.
WRC, Washington, D. C. (468.5m-640kc), 7:30 p. m., N. Y. Philharmonic orchestra; 10, Kitt hour of music; 11-12, Otto F. Beck, organist.
WSAI, Cincinnati, Ohio (325.9m-920kc), 8 p. m., chimes; 8:30, Bicycle playing card sextet; 12, Lelia Le Mar, Latonia Melody Boys; Norinne Gibbons, Priscilla Holbrook, Maids of Melody.
WSWS, Chicago, Ill. (275.1m-1090kc), 6 p. m., Terrace Gardens orchestra; Chicago serenaders; mixed quartet; John Clark; 8, Terrace Gardens orchestra; Cook Sisters; Borden Brothers; Josephine Oliver; 10-11, Terrace Gardens quintet; Badger Four; Zola Haynes; Art Becker, Osborne Sisters; 12, Witching hour.
WTAM, Cleveland, Ohio (389.4m-770kc), 6 p. m., Collegian serenaders; 7:30, studio program; 8, Hollenden hotel orchestra; 9, Ev Jones and his gang.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., dinner concert; 8:30-10:30, Little Symphony orchestra.
KFH, Wichita, Kan. (267.7m-1120kc), 7 p. m., J. O. Adams artists' recital.
KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., open; 11, old-time music.
KLDS, Independence, Mo. (440.9m-680kc), 8 p. m., Mrs. Joe Cope, soprano; Mrs. Mae Hollis, soprano; Mrs. H. M. Murray, violinist; Elsa Schutte, pianist.
KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., Jacquinot Jules, organist; 7, Little Red schoolhouse; Musical Bears; 8, KMOX Radio orchestra; John Sauter, flutist; Gordon Morrison; 9, KMOX Radio orchestra; 9:30, Gene Jordan, tenor; 10, "In Old Madrid," C. L. Weatherwax, baritone.
KOIL, Council Bluffs, Iowa (278m-1080kc), 6:30 p. m., Hugh W. McGann, baritone; 7:30-12, Birthday party.
KPRC, Houston, Texas (296.9m-1010kc), 10:30 a. m., chimes St Paul's; 11, St. Paul Methodist church; 7:50, First Church of Christ, Scientist; 9:30, Top of the Town; 1, Texan theater pipe organ concert.
KVOO, Bristow, Okla. (374.8m-800kc), 6-9 p. m., Marshall Van Pool and his Radio orchestra.
WADC, Akron, Ohio (258.5m-1160kc), 9 p. m., Cardinals.
WBAP, Fort Worth, Texas (475.9m-630kc), 7:30-8 p. m., Sunday school lesson; 8-8:30, vesper symphony; 9:30-11, Epworth league, First Methodist church.
WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6:15 p. m., Wesley Barlow's Nicollet hotel orchestra; 8:15, musicale; 10:05, Wallie Erickson's Coliseum orchestra.
WFAA, Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m., Jimmy Joy's orchestra; 8:30-9:30, Col. Bill Cole's quartet; 11-12, Jack Gardner's orchestra.
WHAS, Louisville, Ky. (399.8m-750kc), 9:57 a. m., organ prelude; 10, Broadway Baptist church.
WHB, Kansas City, Mo. (365.6m-820kc), 9:40 a. m., Linwood Blvd. Christian church; 11, Independence Blvd. Christian church; 8-9:15, services; 11:15-12:15, Linwood Radio feature, Don Anchors, poet.
WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Walter Moore.
WOAI, San Antonia, Texas (394.5m-760kc), 11 a. m., First Presbyterian church; 7:45 p. m., Central Christian church.
WOAW, Omaha, Nebr. (526m-570kc), 6 p. m., literary period; 6:50, orchestra; 7:30, Creighton educational period; 9, classical; 10, organ jubilee.
WOC, Davenport, Iowa (483.6m-620kc), 9-10 p. m., Bernard Regan, baritone; May Chambers, soprano; John Bishop, reader; Gertrude McManus, pianist.
WRR, Dallas, Texas (245.8m-1220kc), 6:10-7 p. m., dinner hour concert; 8-9, musicale.
WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., dinner concert; 8, popular and barn dance program.
WSMB, New Orleans, La. (319m-940kc), 8:30-10:30 p. m., Bob Agularia, Ray McNamara, pianist.
WSUI, Iowa City, Iowa (483.6m-620kc), 9, familiar hymns.

Mountain Standard Time Stations

KFXF, Colorado Springs, Colo. (249.9m-1200kc), 8:30 p. m., studio program; J. L. Greenup, tenor; O. Kelly, Bernard Kelly, banjo boys.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Al Wesson's orchestra; 8-9, Angelus trio; 9-10, varied program; 10-11, Packard Radio club; 11-2 a. m., KFI midnight frolic.
KFWB, Hollywood, Calif. (252m-1190kc), 7:30-8 p. m., program, Stoll, Heckinger and Hepp; 8-9, program, Smith Investment company; 9-11, Warner Brothers frolic.
KGO, Oakland, Calif. (361.2m-830kc), 8:10 p. m., Leo J. Meyberg company; 9-9:30, Philharmonic society; 9:30-10, Tupper and Reed. Frank Sheridan, actor; Paula Cornely, contralto; Henryetta L. Cornell, soprano; Zilpha Allen, pianist; 10-12:30 a. m., dance music.
KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 10-12, Herman Kenin's dance orchestra; Punch Green, pianist.
KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., Uncle John and the children; 8-10, tower studio presentation.
KPSN, Pasaden, Calif. (315.6m-950kc), 8-9 p. m., Star News instrumental ensemble.
KTAB, Oakland, Calif. (239.9m-1250kc), 7-7:30 p. m., shopping hour.

Sunday, July 11

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
8:30 p. m.	7:30	6:30	5:30	4:30

WCAU (277.6m-1080kc), Barry O'Moore, Irish tenor.

9:15	8:15	7:15	6:15	5:15

WEAF (491.5m-610kc), WWJ (352.7m-850kc), WCCO (416.4m-720kc), WGR (319m-940kc), WEEI (348.6m-860kc), WSAI (325.9m-920kc), WCAP (468.5m-640kc), Atwater Kent half hour.

9:45	8:45	7:45	6:45	5:45

WCAP (468.5m-640kc), Vesper hour of music.

10	9	8	7	6

WBAP (475.9m-630kc), Vesper symphony.
WHAR (275m-1090kc), An hour with the classics.

11	10	9	8	7

WSUI (483.6m-620kc), Familiar hymns.

12 m.	11	10	9	8

KHJ (405.2m-740kc), Orpheus Four male quartet.

1 a. m.	12 m.	11	10	9

WFAA (475.9m-630kc), Cruz Family symphonic five.

For stations silent tonight refer to first Sunday's list.

Atlantic or Eastern Daylight Saving Time Stations

CFCA, Toronto, Can. (356.9m-840kc), 11 a. m., Timothy Eaton Memorial church; 7 p. m., St. Paul's Anglican church.
WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert; 7:20, Capitol theater, WEAF.
WCAU, Philadelphia, Pa. (277.6m-1080kc), 5 p. m., recital; 5:15, undenominational church services; 5:35, sermon, Rev. John W. Stockwell; 6:30, Hotel Pennsylvania concert orchestra; 8:30, Bonwit Teller ensemble, Barry O'Moore, Irish tenor.
WEAF, New York, N. Y. (491.5m-610kc), 3-4 p. m., church service; 4-4:30, sacred music; 4:30-5:30, Federation mixed quartet; 7:20-9:15, Capitol theater; 9:15-9:45, Atwater Kent program, Allen McQuhae, tenor; 9:45-10:45, musical program.
WGR, Buffalo, N. Y. (319m-940kc), 10:45 a. m., Westminster Presbyterian church; 7:15 p. m., Central Presbyterian church; 9:15, WEAF.
WHAR, Atlantic City, N. J. (275.1m-1090kc), 10:45 a. m., Chelsea Baptist church; 2:15 p. m., sacred recital, Seaside hotel trio; 7:50, Chelsea Baptist church; 9, with the classics, Seaside hotel ensemble.
WHN, New York, N. Y. (361.2m-830kc), 7:30 p. m., Calvary evening services; 10:15, Janssen's Hofbrau orchestra; 12, Sophie Tucker's playground.
WIP, Philadelphia, Pa. (508.2m-590kc), 10:30 a. m., services, Holy Trinity church.
WJZ, New York, N. Y. (454.3m-660kc), 7 p. m., Park Ave. Baptist church carillon; 10:20, Hotel Pennsylvania concert orchestra; 9:30, Godfrey Ludlow, violinist.
WMCA, New York, N. Y. (340.7m-880kc), 7 p. m., Ernie Golden and his Hotel McAlpin orchestra; 9, Jewish Forward hour.
WOO, Philadelphia, Pa. (508.2m-590kc), 2:15 p. m., musical exercises, Bethany Sunday school; 6:05, organ recital; 7:30, services, Bethany Presbyterian church.

Eastern Standard or Central Daylight Saving Time Stations

KYW, Chicago, Ill. (535.4m-560kc), 11 a. m., Central church; 4:30 p. m., studio concert; 9:30-11, classical concert.
WBAL, Baltimore, Md. (245.8m-1220kc), 7:30-8:30 p. m., twilight concert, WBAL concert orchestra.
WBBM, Chicago, Ill. (225.4m-1330kc), 12:30-2 p. m., noon-hour of music; 4-6, matinee; 8-10, Melody hour; 11:59-3 a. m., Nutty club.
WCBD, Zion, Ill. (344.6m-870kc), 8 p. m., mixed quartet, celestial bells, mandolins and organ; Hire trio; Mrs. Esther Rendall, soprano; duets, trios; Mrs. Athol Heath, pianist; Mrs. Hester Robinson, reader.
WEBH, Chicago, Ill. (370.2m-810kc), 10:10 a. m., Seventh Church of Christ, Scientist; 7-9 p. m., artists' program.

Sunday, July 11

WENR, Chicago, Ill. (265.3m-1130kc), 9:15 a. m., church services; 2-3 p. m., Skeeles-Biddle hour of better music; 6-7, Moody Bible Institute Evening hour; 9:30-12, midnite frolic.
WGES, Oak Park, Ill. (249.9m-1200kc), 10:30 a. m., M. E. church; 11:45, high mass, Our Lady of Sorrows church; 5-7:40 p. m., Frank Hayes, Joie Walsh; 11-1 a. m., Harry Davis, Fay Dillon; Eddie Freckman, Melody Girls; orchestra.
WGHP, Detroit, Mich. (270.1m-1110kc), 11 a. m., Grosse Pointe Memorial church.
WGN, Chicago, Ill. (302.8m-990kc), 6:35-7 p. m., musical program; 7-7:20, the Million sing; 7:20-7:30, Old-Fashioned almanack; 7:30-8:15, music.
WGY, Schenectady, N. Y. (379.5m-790kc), 9:30 a. m., Emmanuel Baptist church; 6 p. m., carillon, Park Avenue Baptist church; 6:20, Hotel Pennsylvania orchestra; 7, miscellaneous program; 7:30, Hotel Madison orchestra; 8:30, miscellaneous program; 9-9:30, WJZ.
WHT, Chicago, Ill. (399.8m-750kc), 1-11:30 p. m., Paul Rader.
WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., dinner concert, string trio; Agnes Buchli, soprano; Helen Snyder, Robert York; 10-12, popular program, artists.
WJAZ, Chicago, Ill. (329.5m-910kc), 7-9 p. m., classical program, Spanish Garden studio, leading Zenith artists.
WJJD, Mooseheart, Ill. (370.2m-810kc), 8:15 a. m., Catholic services; 9:30-10:30, Protestant services; 1-2 p. m., Howard L. Peterson, organist; 2:30-3:30, concert; 3:30-4, Radio Bible class; 4-5:30, Symphony orchestra.
WLIB, Chicago, Ill. (302.8m-990kc), 5-6:15 p. m., Edward Benedict, organist.
WLS, Chicago, Ill. (344.6m-870kc), 10:45 a. m., U. of Chicago church service; 12:30-2 p. m., Ralph Emerson, organist; 7-8:55, WLS Little Brown church.
WOK, Chicago, Ill. (217.3m-1380kc), 6 p. m.-1 a. m., Tearney's Town club orchestra; Midway Garden orchestra; Pershing Palace orchestra; Capitol theater musical program; ensemble; studio program.
WQJ, Chicago, Ill. (447.5m-670kc), 10 a. m., Peoples church; 3-4 p. m., choir; 8-10, Rainbo Gardens orchestra.
WSAI, Cincinnati, Ohio (325.9m-920kc), 11 a. m., Avondale Methodist church; 7:45 p. m., chimes; 8:15, WEAF; 8:45, WEAF.
WSWS, Chicago, Ill. (275.1m-1090kc), 11 a. m., church service; 3:30-5 p. m., popular service; 7-9:30, song service.
WTAM, Cleveland, Ohio (389.4m-770kc), 11 a. m., Baptist church; 7, Loew's theater orchestra; 8, twilight hour.
WWJ, Detroit, Mich. (352.7m-850kc), 11 a. m., services; 2 p. m., News orchestra; 4, organ recital; 6:20, WEAF; 8:15, operatic stars.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 4-5 p. m., vesper service; 9-11, Sunday evening musicale.
KFDM, Beaumont, Texas (315.6m-950kc), 11-12 p. m., Presbyterian church; 8-9, service.
KFNF, Shenandoah, Iowa (263m-1140kc), 10:45 a. m., First M. E. church; 2:30 p. m., Golden Rule song service; 3, Swedish Mission church; 6:30, Golden Rule circle; 8, Christian church services.
KFUO, St. Louis, Mo. (545.1m-550kc), 9:15 p. m., "God Bless Our Homes," Rev. R. Kretzschmar.
KLDS, Independence, Mo. (440.9m-680kc), 11 a. m., Stone church services; 3 p. m., studio program; 6:30, Radio vesper service; Walnut Park quartet; 9:15, studio service; Hazel Scott, organist.
KMOX, St. Louis, Mo. (280.2m-1070kc), 8 p. m., KFQA, The Principia; 9, Skouras Brothers Sunday night club.
KOIL, Council Bluffs, Iowa (278m-1080kc), 11 a. m., First Congregational church; 7:30 p. m., Paramount program, College club orchestra; 11, Hotsy Totsy hour.
KSO, Clarinda, Iowa (241.8m-1240kc), 11 a. m., First M. E. church.
KVOO, Bristow, Okla. (374.8m-800kc), 12:30-7 p. m., pipe organ; Rev. Leeper and his twenty-piece string band; Laughton Family; Oklahoma Cowboy band, Cushing Military band; 7:30-9, worship hour.
WADC, Akron, Ohio (258.5m-1160kc), 12:30 p. m., organ recital, Allen theater.
WBAP, Fort Worth, Texas (475.9m-630kc), 9:30-11 p. m., Hired Hand's Little symphony.
WFAA, Dallas, Texas (475.9m-630kc), 6-7 p. m., Radio Bible class; 7:15-8, Monamela male quartet; 8-9, City Temple service; 9-9:30, Willard B. Muse, tenor; Ruth Muse, contralto and pianist; 11-12, Cruz family symphonic five.
WMC, Memphis, Tenn. (499.7m-600kc), 11 a. m., St. Mary's Episcopal cathedral.
WOAW, Omaha, Nebr. (526m-570kc), 9 a. m., chapel service; 1:30 p. m., Father Flanagan's Boys' home period; 2:30, classical.
WOC, Davenport, Iowa (483.6m-620kc), 8-8:30 p. m., service; 9:30-10:30, Palmer little symphony.
WRR, Dallas, Texas (245.8m-1220kc), 10:45 a. m., St. Matthew's cathedral; 7:30 p. m., St. Matthew's cathedral; 9:30-10:30, musicale.
WSM, Nashville, Tenn. (282.8m-1060kc), 10:30 a. m., First Presbyterian church.

Mountain Standard Time Stations

KFXF, Colorado Springs, Colo. (249.9m-1200kc), 11 a. m., First Presbyterial church services; 7:45 p. m., Jim Goodheart's Denver sunshine mission services.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Jim Jack and Jean trio; 8-9, Aeolian organ; 9-10, Badger's Hollywood Californians; 10-11, Packard six dance orchestra.
KFWB, Hollywood, Calif. (252m-1190kc), 9-11 p. m., Warner Brothers frolic featuring Len Nash and his Town band.
KGW, Portland, Ore. (491.5m-610kc), 10:45-12 noon, services, First Presbyterian church; 7:30-9 p. m., East Side Baptist church; 9-10, Chevrolet symphony orchestra.
KHJ, Los Angeles, Calif. (405.2m-740kc), 7-8 p. m., service, First Methodist Episcopal church; 8-10, Orpheus Four male quartet.
KPSN, Pasadena, Calif. (315.6m-950kc), 10:50 a. m., First Baptist church; 7:30, Maryland Artists' ensemble.

Monday, July 12

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
6 p. m.	5	4	3	2

WRC (468.5m-640kc), U. S. Navy band.

9:30	8:30	7:30	6:30	5:30

KOIL (278m-1080kc), Fortnightly musical club.
WCOA (222m-1350kc), Ye Olde Tyme Fiddlers.
WHAZ (379.5m-790kc), Trorad mixed quartet.

10:30	9:30	8:30	7:30	6:30

WSMB (319m-940kc), Strand theater.

12 m.	11	10	9	8

WOOD (241.8m-1240kc), 25th Woodpile.

1 a. m.	12 m.	11	10	9

KNX (336.9m-890kc), Julian Pete minstrel show.

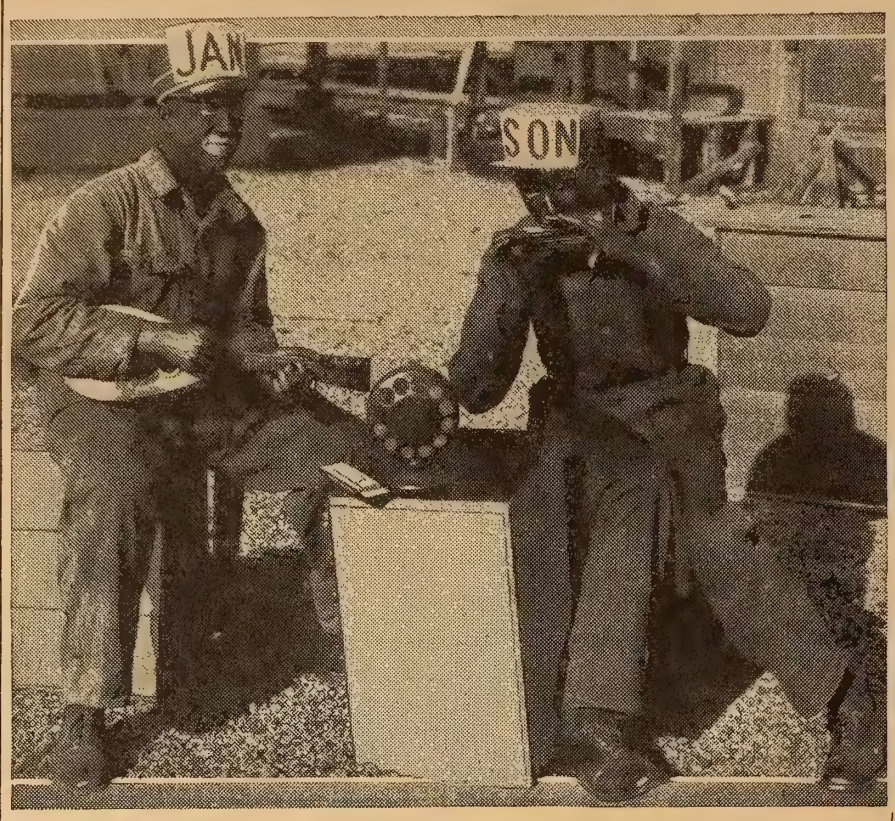
1:15	12:15	11:15	10:15	9:15

KOA (322.4m-930kc), Burlesque, Midwest Lyceum bureau.

Monday, silent night for: CKAC, CNRA, CNRC, CNRE, CNRM, CNRO, CNRR, CNRT, CNRV, CNRW, KHJ, KPSN, KWSC, KYW, WBBM, WCBD, WEBH, WEBJ, WENR, WGBF, WGBS, WGES, WGN, WHAS, WHT, WIBO, WIP, WJAZ, WJJD, WLIB, WLS, WMAQ, WMBB, WOAI, WOC, WOK, WORD, WQJ, WRC.

Atlantic or Eastern Daylight Saving Time Stations

CKNC, Toronto, Can. (356.9m-840kc), 9 p. m., Eveready orchestra; Mrs. Harry Hodgetts, soprano; Charles Shearer, baritone.
WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert; 8, studio music; 10, WEAF; 11:05, dance program.
WCAU Philadelphia, Pa. (277.6m-1080kc), 7:30 p. m., recital, N. Snellenburg and company; 8, Carolyn Thomas, soprano; 8:30, the Hood boys; 8:45, Merry minstrels; 9:30, Roy Tracy, tenor; 9:45, Chalfant sisters, harmony songs; 10, Madrigal mixed quartet.
WEAF, New York, N. Y. (491.5m-610kc), 6-12 midnight, dinner music; A. and P. Gypsies; grand opera; Ben Bernie and his orchestra.
WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra.
WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., Knell's Tokio dance orchestra; 9, studio program; 10:30, Harmony club quartet; 11, Vincent Lopez Hotel Statler dance orchestra.



Rushey and Bill, alias "The Janitor and His Son," alias "Gloomchasers of the Lone Star State," snapped during one of their informal programs on the roof garden, WFAA.

WHAR, Atlantic City, N. J. (275.1m-1090kc), 8 p. m., program; Seaside hotel trio; 11, Follies Bergere dance orchestra.
WHN, New York, N. Y. (361.2m-830kc), 6:30 p. m., WHN Movie club; 7:30, Joe Ward's Swanee entertainers; 8, Roseland dance orchestra; 8:30, George's surprise; 9, Leverich Three and "Peter the Great"; 9:20, Leverich Three and "Peter the Great"; 10, Palisades Amusement Park orchestra; 10:30, Leroy Smith's orchestra; 11:30, Club Alabam orchestra; 12, Silver Slipper orchestra.
WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 7, Uncle Wip's bedtime stories.
WJAR, Providence, R. I. (305.9m-980kc), 7:45 p. m., musicale; 9, WEAF; 10, WEAF.
WJZ, New York, N. Y. (454.3m-660kc), 7:55 p. m., John B. Kennedy; 8, Maxwell House Coffee ensemble; 9:30, Fireside Boys; 10:45, Harry Leonard's Waldorf-Astoria grill orchestra.
WLIT, Philadelphia, Pa. (394.5m-760kc), 8 p. m., short Agro-Waves, Charles F. Shoffner; 8:30, Starr Piano company artists; 9, Stanley theater hour; 10, Arcadia cafe dance orchestra; 10:30, vaudeville; 10:45, Benjamin Franklin El Patio dance orchestra.
WLWL, New York, N. Y. (288.3m-1040kc), 9:15 p. m., soprano; 9:30, violin recital; 10, ensemble.
WMCA, New York, N. Y. (340.7m-880kc), 6:30 p. m., Ernie Golden and his Hotel McAlpin orchestra; 7:15, Ernie Golden and his Hotel McAlpin orchestra; 9:15, Hardman hour of music; 10:30, Woodmansten Inn orchestra; 11, Jack Denny's orchestra; 12, McAlpin entertainers.
WNYC, New York, N. Y. (526m-570kc), 6 p. m., piano selections.
WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Ritz Carlton dance orchestra; 9, WEAF; 11, dance orchestra.
WOR, Newark, N. J. (405.2m-740kc), 6:30 p. m., Jacques Jacobs' Hotel Shelton ensemble; 7:30, Brooklyn Daily Eagle program; 8, Newark Philharmonic band; 8:45, Klein's Serenading Shoemakers; 9:45, Monterey society orchestra; 10:45, Monterey concert quintet; 11:15, Ben Bernie Berkeley Cartaret grill.
WTAM, Cleveland, Ohio (389.4m-770kc), 6 p. m., Hollenden hotel orchestra; 8, Willard symphony; 9, studio program; 10, Willard symphony.

Eastern Standard or Central Daylight Saving Time Stations

WGHB, Clearwater, Fla. (265.3m-1130kc), 8:30-10 p. m., Homer Moore recital.
WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert; 8, Little symphony orchestra; Leona Mitchell, soprano; T. Stanley Perry, tenor; 8:30-9:30, Famous composer's hour; 9:30-10, Little symphony orchestra, soloists; 12-1 a. m., Gerald Marks' orchestra.
WGY, Schenectady, N. Y. (379.5m-790kc), 5:30 p. m., dinner program, Hotel Van Curler; 6:30, studio program; 8, studio program.
WHAZ, Troy, N. Y. (379.5m-790kc), 8:30 p. m., Trorad mixed quartet.
WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9 p. m., Corduroy Tire Little symphony orchestra; 10:05, Sav-u-time program; 10:35, Grand Rapids Radio company period; 11, Wild and Wooly Wood Workers' club, 25th Woodpile.
WRC, Washington, D. C. (468.5m-640kc), 5-6:20 p. m., U. S. Navy band.
WRVA, Richmond, Va. (256.3m-1170kc), 8:45 p. m., piano recital; 9, "Edgar Allen Poe's Home," Dr. Douglas Freeman; 10:30, Hotel Richmond Summer Garden orchestra.
WSAI, Cincinnati, Ohio (325.9m-920kc), 10 p. m., musicale.
WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7:30, Goldman band concert; 9, News orchestra.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., dinner concert; 8:30-10:30, Old-time Tune night.
KFH, Wichita, Kans. (267.7m-1120kc), 7 p. m., Gage Brewers' Hawaiians; 7:40, Harold Mahaney, Velma Varner; 8, piano playing contest.
KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., concert, Henry Field Seed company.
KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., Jacquinot Jules, organist; 8, KMOX Radio orchestra; 9, orchestra; 9:30, Bamalogue; 10, orchestra; soloists.
KOIL, Council Bluffs, Iowa (278m-1080kc), 6:03 p. m., N. S. Naval Reserve band; 7:30, Fortnightly musical club; 9, artists' program; 10, studio program; 11, Hotsy Totsy hour.
KPRC, Houston, Texas (296.9m-1010kc), 7:30 p. m., Records' Ramblers; 8, Max E. Shippee, tenor; 8:15, dance music.
KSO, Clarinda, Iowa (241.8m-1240kc), 8 p. m., Hay Mow Five.
KWWG, Brownsville, Texas (277.6m-1080kc), 8:30-9 p. m., Mr. John McCleary, violinist; 9-9:30, Mrs. F. C. Reiss, contralto; Miss Bernice Hutton and Miss Beth Sewell, pianists; 12-1 a. m., novelty and jazz.
WADC, Akron, Ohio (258.5m-1160kc), 9 p. m., Roseland dance orchestra.
WBAP, Fort Worth, Texas (475.9m-630kc), 7:30-8:30 p. m., Northern Texas Traction company's speed; 9:30-11, program, Alfred Broward, director; 11-12, musicale.
WCOA, Pensacola, Fla. (222m-1350kc), 7 p. m., Ye Olde Tyme fiddlers.
WFAA, Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m., Ford's Texas Trumpeters; 8:30-9:30, Sears-Roebuck Agricultural Foundation program.
WHB, Kansas City, Mo. (365.6m-820kc), 7-8 p. m., Sweeney Radio orchestra.
WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Hugh Sandridge.
WOAI, San Antonio, Texas (394.5m-760kc), 8:30 p. m., Sunshine Laundry orchestra.
WOAW, Omaha, Nebr. (526m-570kc), 6 p. m., Hugo G. Heyn, marimba; Emil B. Hoffmann, pianist; 6:50, orchestra; 9, classical.
WRR, Dallas, Texas (245.8m-1220kc), 6-7 p. m., Edgar Norris, pianist; 8-9, Magnolia orchestra.
WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., dinner concert; 8, Mrs. Frank Gussman, soprano; Mrs. Helen Boyd, accompanist; 10, Vito and his Radio five.
WSMB, New Orleans, La. (319m-940kc), 8:30-10:30 p. m., Dixola Novelty orchestra; Strand theater orchestra.
WSUI, Iowa City, Iowa (483.6m-620kc), 8 p. m., musical program.

Mountain Standard Time Stations

KFXF, Colorado Springs, Colo. (249.9m-1200kc), 9 p. m., Dorothy Ehler Phillips, soprano; Jos. R. Long, Jr., baritone; Tom Torrington, piano.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Owen Fallon's Californians; 8-9, popular program; 9-10, program, Walter M. Murphy Motors company, KPO; 10-11, popular program, Meiklejohn Brothers.
KFWB, Hollywood, Calif. (252m-1190kc), 7:30-8 p. m., program, Dr. Ralph Mitchell and Associated Dentists; 8-9, program, Sealy Mattress company; 9-10, American Dye Works program; 10-11, Warner Brothers frolic.
KGW, Portland, Ore (491.5m-610kc), 6-7 p. m., dinner concert; 8-9, organ recital; 9-10, vaudeville entertainment; musical acts, Punch and Judy, Columbia Knit Mermaids; 10-12, Cole McElroy's dance orchestra.

Tuesday, July 13

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
9:30 p. m.	8:30	7:30	6:30	5:30

WBAP (475.9m-630kc), Two Marguerites.
WLWL (288.3m-1040kc), Premier male quartet.

10	9	8	7	6

KSO (241.8m-1240kc), Bakers Music Makers.
WHB (365.6m-820kc), K. C. Symphonic quintet.
WSM (282.8m-1060kc), Golden Echo quartet.

11:30	10:30	9:30	8:30	7:30

WHN (361.2m-830kc), Sophie Tucker's Playground.

For stations silent tonight refer to first Tuesday's list.

Atlantic or Eastern Daylight Saving Time Stations

WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert; 8, WEAF; 8:30, WEAF; 9, WEAF; 10, musicale.
WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30 p. m., Snellenburg instrumental trio; 8, theater digest; 8:10, the Three Brothers; 8:25, Peter Ricci, baritone; 8:45, Higgins and Burke, song writers; 9, Kuehnle's artists; 9:30, Robert Fraser, blind gospel singer; 10, recital; 10:15, Eddie Malle and entertainers; 10:30, Cathay Garden orchestra.
WEAF, New York, N. Y. (491.5m-610kc), 6 p. m., dinner music; 8, Grand Prize Eurekas, WEEI, WFI, KSD, WCAE, WWJ, WCSH, WSAI, WTAG, WGR, WCCO, WOC, WTAM, WJAR; 8:30, Gold Dust Twins, WEEI, WFI, WCAE, WGR, WWJ, WOC, WCSH, WJAR, WCCO, WLIB, WTAM, KSD; 9, Eveready hour, WEEI, WFI, WCAE, WGR, WWJ, WOC, KSD, WJAR, WCCO, WTAG, WGN, WTAM, WSAI; 10, Variety half hour; 10:30, Ben Bernie and his orchestra; 11-12, Buffalodians dance orchestra.
WFI, Philadelphia, Pa. (394.5m-760kc), 6:45 p. m., Bellevue Stratford dance orchestra; 8, WEAF.
WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., Vincent Lopez Hotel Statler dance orchestra; 8, WEAF.
WHAR, Atlantic City, N. J. (275.1m-1090kc), 8 p. m., Seaside hotel trio.
WHN, New York, N. Y. (361.2m-830kc), 6:30 p. m., Everglades orchestra; 7:30, Will Oakland's chateau; 8, Treasureland neighbors; 10, Universal trio; 10:15, Jimmy Clark and his entertainers; 10:30, Strand roof orchestra; 11:30, Sophie Tucker's playground; 12, Country club orchestra.
WIP, Philadelphia, Pa. (508.2m-590kc), 6:15 p. m., Benjamin Franklin concert orchestra; 7, Uncle Wip's bedtime stories; 8, program from Marine studio; 8:30, Murphy's minstrels; 9, Chalfonte-Haddon Hall dual trio; 10:15, Emo's weekly movie talk; 10:30, recital, Karl Bonawitz, organist; 11, Million Dollar Pier orchestra; 11:30, Silver Slipper club dance orchestra and revue.
WJAR, Providence, R. I. (305.9m-980kc), 7:30 p. m., musicale; 8-10, WEAF.
WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Frank Dole; 7:20, Harry Leonard's Waldorf-Astoria roof orchestra; 8, One-up Cut-ups; 8:30, Deltah Pearl hour, WRC, WGY; 10, the Grand tour, WRC, WGY; 10:45, George Olsen's Hotel Pennsylvania roof orchestra.
WLIT, Philadelphia, Pa. (394.5m-760kc), 7:30 p. m., Ben Franklin El Patio dance orchestra.
WLWL, New York, N. Y. (288.3m-1040kc), 9 p. m., studio program; 9:30, Premier male quartet; 9:45, piano recital; 10, tenor solo; 10:30, Premier male quartet.
WMCA, New York, N. Y. (340.7m-880kc), 7 p. m., Hofbrau Haus entertainers; 8:15, "Muscle Shoals"; 8:30, Time-O-Stat musical program; 9, Paul Whiteman's Piccadilly players; 9:30, Columbia Park entertainers; 10:30, Woodmansten Inn orchestra; 11, Ernie Golden and his Hotel McAlpin orchestra; 12, McAlpin entertainers.
WNYC, New York, N. Y. (526m-570kc), 6:35 p. m., piano selections.
WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Adelphia Roof Garden orchestra.
WOR, Newark, N. J. (405.2m-740kc), 6:30 p. m., Jacques Jacobs' Hotel Shelton ensemble.

GENERAL TALKS AND SPEECHES

Thursday, July 1

Atlantic	Eastern	Central	Mountain	Pacific
7:30 p. m.	6:30	5:30	4:30	3:30

WGY (379.5m-790kc), Book talk.

8	7	6	5	4

WJZ (454.3m-660kc), "Rainbo Riley," motion picture.

9:55	8:55	7:55	6:55	5:55

WLS (344.6m-870kc), Gold, Amber Andrews.

10:30	9:30	8:30	7:30	6:30

WORD (275m-1090kc), Travel talk, Clarence J. Perfitt.

11	10	9	8	7

KFWB (252m-1190kc), Fishing and hunting.

Friday, July 2

Atlantic	Eastern	Central	Mountain	Pacific
7:35 p. m.	6:35	5:35	4:35	3:35

WTIC (475.9m-630kc), "Fire Prevention."

8	7	6	5	4

WOAW (526m-570kc), Music review, Hester Bronson Copper.

Saturday, July 3

Atlantic	Eastern	Central	Mountain	Pacific
12 n.	11	10	9	8

WQJ (447.5m-670kc), "Real Americans," Col. Lee Alexander Stone.

Monday, July 5

Atlantic	Eastern	Central	Mountain	Pacific
10 p. m.	9	8	7	6

WRVA (256m-1170kc), Virginia Folk Lore, Dr. Freeman.

11	10	9	8	7

KFUO (545.1m-550kc), "The Sesquicentennial and Our Country's Youth," Rev. E. L. Roschke.

12:25a.m.	11:25	10:25	9:25	8:25

KGO (361.2m-830kc), "Chats About New Books," Joseph Harry Jackson.

Tuesday, July 6

Atlantic	Eastern	Central	Mountain	Pacific
7:30 p. m.	6:30	5:30	4:30	3:30

WGY (379.5m-790kc), "Aurora Borealis Slowly Reveals Its Secrets."

8	7	6	5	4

WLW (422.3m-710kc), "Your Week-End Trip."

9:20	8:20	7:20	6:20	5:20

WMAQ (447.5m-670kc), Architects' Small House Service talk.

9:30	8:30	7:30	6:30	5:30

WMAQ (447.5m-670kc), "United States Government Activities in Chicago."

10	9	8	7	6

WJZ (454.3m-660kc), Tour.

11:30	10:30	9:30	8:30	7:30

WCCO (416.4m-720kc), "Outdoors in Minnesota."

Wednesday, July 7

Atlantic	Eastern	Central	Mountain	Pacific
9 p. m.	8	7	6	5

WKRC (422.3m-710kc), Book talk.

11:15	10:15	9:15	8:15	7:15

KFUO (545.1m-550kc), "What About the Different Bibles?" Prof. O. C. A. Boecler.

Thursday, July 8

Atlantic	Eastern	Central	Mountain	Pacific
7:30p.m.	6:30	5:30	4:30	3:30

WGY (379.5m-790kc), Outdoor talk.

Atlantic	Eastern	Central	Mountain	Pacific
8:15 p. m.	7:15	6:15	5:15	4:15

WTIC (475.9m-630kc), Medical talk.

11	10	9	8	7

KFWB (252m-1190kc), Fishing and hunting.

Friday, July 9

Atlantic	Eastern	Central	Mountain	Pacific
7:35 p. m.	6:35	5:35	4:35	3:35

WTIC (475.9m-630kc), "Pull Over!" by a "Motor Cop."

8	7	6	5	4

WOAW (526m-570kc), Music review, Hester Bronson Copper.

11	10	9	8	7

WNYC, (526m-570kc), Talk, Dr. Frank Vizetelly.

Saturday, July 10

Atlantic	Eastern	Central	Mountain	Pacific
8:45p.m.	7:45	6:45	5:45	4:45

WRC (468.5m-640kc), "The Work of Congress."

Monday, July 12

Atlantic	Eastern	Central	Mountain	Pacific
7:30 p. m.	6:30	5:30	4:30	3:30

WGY (379.5m-790kc), "Significance of Independence Day."

8	7	6	5	4

WOR (405.3m-740kc), Current Events, H. V. Kaltenborn.

8:30	7:30	6:30	5:30	4:30

WLW (422.3m-710kc), Talk on eyes, Dr. Kaufman.

10	9	8	7	6

WRVA (256.3m-1170kc), "True Virginia Lore," Dr. Douglas S. Freeman.

11:15	10:15	9:15	8:15	7:15

KFUO (545.1m-550kc), "Our Country's Past," Rev. F. Neebe.

Tuesday, July 13

Atlantic	Eastern	Central	Mountain	Pacific
7:30 p. m.	6:30	5:30	4:30	3:30

WGY (379.5m-790kc), "The Sphinx of Gizel."
WHAR (275.1m-1090kc), "Glimpses Through the Stage Door," Mort Eiseman.

8	7	6	5	4

WEBJ (272.6m-1100kc), R. R. talk, G. T. Geer.

9	8	7	6	5

WKRC (422.3m-710kc), Book review, Alice B. Coy.

9:20	8:20	7:20	6:20	5:20

WMAQ (447.5m-670kc), Architects' Small House Service talk.

9:30	8:30	7:30	6:30	5:30

WMAQ (447.5m-670kc), "United States Government Activities in Chicago."

10	9	8	7	6

WJZ (454.3m-660kc), Grand tour.

11	10	9	8	7

WMAQ (447.5m-670kc), Book talks.

11:30	10:30	9:30	8:30	7:30

KHJ (405.2m-740kc), Dogs.
WCCO (416.4m-720kc), "Outdoors in Minnesota."

Wednesday, July 14

Atlantic	Eastern	Central	Mountain	Pacific
7 p. m.	6	5	4	3

WTAG (267.7m-1120kc), Book talk, Robert K. Shaw.

10	9	8	7	6

WHB (365.6m-820kc), Automotive talk.

11	10	9	8	7

KFUO (545.1m-550kc), "What Is the Sin Against the Holy Ghost," Prof. M. S. Sommer.

Tuesday, July 13

Eastern Standard or Central Daylight Saving Time Stations

KYW, Chicago, Ill. (535.4m-560kc), 7-8 p. m., musical program; 8-9, musical program; 9:30-10:30, classical concert; 10:30-11:30, Congress carnival.

WBBM, Chicago, Ill. (225.4m-1330kc), 8-12 mid., Alemite orchestra; Moss Covered melodies.

WCBD, Zion, Ill. (344.6m-870kc), 8 p. m., cornet quartet; Wiedman sisters; male quartet; Esther Wiedman, soprano; Chester Bagg, baritone; L. Hire, violist; Arthur Rendall, clarinetist; Mrs. Blanche Reynolds-Kesler, reader; Richard Hire, pianist.

WEBH, Chicago, Ill. (370.2m-810kc), 7-8 p. m., Edgewater Beach hotel orchestra; Kathryn Forbes; Lydia Lochner; 9:10-10, Uptown theater; 11-12:30 a. m., Cook Sisters, orchestra; Harmony singers.

WENR, Chicago, Ill. (265.3m-1130kc), 6-7 p. m., Rauland lyric trio; 8-9, Arthur Dunas, popular program; 9-10, Moody Bible Institute evening hour.

WGES, Oak Park, Ill. (249.9m-1200kc), 5-7 p. m., Paradise Plane; Peggy and Esther; 8-9, Tom Wheeler, Joie Walsh, Frank Hayes, Peggy O'Neill; 11-1 a. m., Bobby Lee, Peggy O'Neill; Esther Richards, Clarence Theders, Flo and Ray.

WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert; 8, Skylark dance band; Harry Hayes, banjoist; Gladys Sanderson and her uke; Harmony four; 12-1 a. m., Gerald Marks' orchestra.

WGN, Chicago, Ill. (302.8m-990kc), 6:30-7:15 p. m., Blackstone string quintet, Drake concert ensemble; 8-9, WEAF; 9-10, feature; 10:40-11, musical program, ensemble.

WGY, Schenectady, N. Y. (379.5m-790kc), 5:30 p. m., dinner program, Hotel Van Curler; 6:45, WGY studio program; 7:30, WJZ; 8, mixed quartet; 9, WJZ; 9:30, Beaver hour.

WHT, Chicago, Ill. (399.8m-750kc), 7 p. m., organ recital, Al Carney; 7:40, chapel; 8:45-10:15 (283m-1260kc), Cinderella cafe orchestra; 10:50 (399.8m-750kc), Pat Barnes and Al Carney; 11, Art Becker, pianist.

WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., dinner concert, Chester Newman, baritone; Charlotte Edwards, contralto; Eugene Wallenius; Margaret Cade, soprano; string trio; 12, Ted Fiorito, Dan Russo, Marie Tully, Wayne Myers, Jack Goodwin, Ray Hibbler, Joe Coffee, Harry Brooker.

WJAZ, Chicago, Ill. (329.5m-910kc), 9-12 mid., Chez Pierre studio program; Earl Hoffman's Chez Pierre orchestra; William Hayden, tenor; Frances Rosemary Schieb, soprano; Henrietta Nolan, violinist.

WJJD, Mooseheart, Ill. (370.2m-810kc), 5:30-7 p. m., Jack Nelson; Howard L. Peterson; Victorians; 8-9, children's program; 10-11, Victorians; 12:30 a. m., Settin' Up hour.

WLIB, Chicago, Ill. (302.8m-990kc), 7-7:05 p. m., Million sing; 7:05-7:15, Old-fashioned almanack; 7:15-7:30, dinner music; 7:30-8, WEAF; 11-11:20, Correll and Gosden; 11:20-1 a. m., Liberty studio ensemble; Ambrose Larsen, organist; Tommy Thatcher's dance orchestra; Purple Grackle orchestra.

WLS, Chicago, Ill. (344.6m-870kc), 6:30 p. m., Elsie Mae Look, organist; 6:45, College Inn orchestra; 7:30, Al Melgard, organist; 7:50, Voice of the Listener; 8:10, College Inn orchestra.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Hotel LaSalle orchestra; 9:20, music.

WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon ensemble; Genevieve Barry Burnham; 9-11, Trianon orchestra; Joe Warner.

WOK, Chicago, Ill. (217.3m-1380kc), 6-7 p. m., Tip-Top Inn; 10-1:30 a. m., Tearney's Town club orchestra; Pershing Palace orchestra; Midway Garden orchestra; Capitol theater program, studio program.

WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9 p. m., Ye Olde Tyme Songe Feste, Roy Clark, Sally Simpkins, Marian Cusser, Jim Forshey, Claude Lee; 9:30, Regent Grand orchestra; 9:45, Melissa Dvorak, pianist; 10:05, Henry Ford old-time dance.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Gardens orchestra; 10-2 a. m., Rainbo Gardens orchestra; Jerry Sullivan; Hal Lansing; Bert Davis; Everett George Opie; Harold Olson, baritone; Ila Shannabrook, soprano; Romo Vincent, boy baritone; Will Rossiter; Johnny Poat, baritone; Tell Taylor, tenor; Ward Purkeyser, tenor.

WRC, Washington, D. C. (468.5m-640kc), 7 p. m., Willard hotel orchestra; 7:30, WJZ; 8, announced; 9, WJZ; 9:30, announced; 10:30, Meyer Davis' Le Paradis band.

WSAI, Cincinnati, Ohio (325.9m-920kc), 7 p. m., WEAF; 7:30, musicale; 8, WEAF; 9, musicale.

WSWS, Chicago, Ill. (275.1m-1090kc), 6 p. m., Josephine Oliver, violinist; Zola Haynes, dulcetone; W. A. Dyckman, bass; Terrace Gardens orchestra; 8, Cook Sisters, Jean St. Anne; Christian A. Grimm, pianist; Gus Edwards orchestra; 10, Terrace Gardens quintet; Zola Haynes; 12-1 a. m., Witching hour.

WTAM, Cleveland, Ohio (389.4m-770kc), 6 p. m., State theater vaudeville; 7-10, WEAF; 10, studio program; 11, orchestra.

WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7, WEAF.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., Little symphony orchestra; 8:05-10:30, program, University of Nebraska.

KFDM, Beaumont, Texas (315.6m-950kc), 7:30-8 p. m., children's program; 8-10, orchestra.

KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., old-time music, Hay Mow Five.

KLDS, Independence, Mo. (440.9m-680kc), 8 p. m., Mortimore Alpert, boy violinist; Mildred Karnopp, pianist; Harry J. Kaufmann, violin ensemble.

KMA, Shenandoah, Iowa (252m-1190kc), 9-11 p. m., May's Mandolin musicians.

KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., Jacquinot Jules, organist; 7, orchestra; 9:30, F. D. Anderson, baritone; 10, chimes; Mrs. Frank Howard, soprano.

KOIL, Council Bluffs, Iowa (278m-1080kc), 6:30 p. m., Randall's Royal orchestra; 7:30, Mona Motor four; 8, Paramount program; Grace Steinberg, soprano; 11, Hotsy Totsy hour.

KPRC, Houston, Texas (296.9m-1010kc), 7:30 p. m., Billie Mack's dance orchestra.

KSO, Clarinda, Iowa (241.8m-1240kc), 8 p. m., Bakers' Music Makers.

KVOO, Bristow, Okla. (374.8m-800kc), 6-9 p. m., Jimmie Wilson and his Catfish string band.

WADC, Akron, Ohio (258.5m-1160kc), 8 p. m., Miller Maid Creamery company; 9, Roseland dance orchestra; 10, Times Press hour.

WBAP, Fort Worth, Texas (475.9m-630kc), 7:30-8:30 p. m., Clyde Massengale, baritone; Mrs. Florence Massengale, pianist; 9:30-11, Two Marguerites.

WFAA, Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m., Shaw-Smith college club orchestra; 8:30-9:30, Matthews Brothers male quartet; 11-12, Jimmy Joy's orchestra.

WGBF, Evansville, Ind. (263m-1270kc), 7 p. m., musicale; 8, Courier classical hour.

WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., the Dixie serenaders.

WHB, Kansas City, Mo. (365.6m-820kc), 7-7:30 p. m., Morrill Moore, organist; 8-9, K. C. symphonic quintet.

WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., musicale; 11, Brilling's Cafeteria orchestra.

WOAW, Omaha, Nebr. (526m-570kc), 6:20 p. m., popular song period; 6:50, orchestra; 9, program, George H. Lee company.

WOC, Davenport, Iowa (483.6m-620kc), 6-8 p. m., WEAF; 8-9, musicale.

WRR, Dallas, Texas (245.8m-1220kc), 6-7 p. m., Jack Gardner's orchestra; 8-9, Montgomery studio.

WSM, Nashville, Tenn. (282.8m-1060kc), 8 p. m., Golden Echo quartet.

Mountain Standard Time Stations

KFXF, Colorado Springs, Colo. (249.9m-1220kc), 8:30 p. m., studio program, direction of Miss Grace Casey.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Virginia ballroom orchestra; 8-9, screen artists quartet; 9-10, varied program; 10-11, Packard Radio club in popular songs.

KFWB, Hollywood, Calif. (252m-1190kc), 7-7:30 p. m., program, Morris and company; 7:30-8, program, White Auto company; 8-9, studio program; 9-10, program, American Brake Testing company; 10-11, Warner Brothers frolic.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 10-12, dance music, Multnomah hotel, Herman Kenin's dance orchestra; pianist.

KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., weekly visit Queen Titania and Sandman; 8-10, Times de luxe program.

KPSN, Pasadena, Calif. (315.6m-950kc), 8-9 p. m., Star-News ensemble; George Frenger, tenor.

Wednesday, July 14

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
6 p. m.	5	4	3	2

WRC (468.5m-640kc), U. S. Marine band.

8:30	7:30	6:30	5:30	4:30

WJZ (454.3m-660kc), New York Philharmonic.
WMCA (340.7m-880kc), Meister Homesteaders.

9:30	8:30	7:30	6:30	5:30

WCOA (222m-1350kc), U. S. Air Station band.
WGHB (265.3m-1130kc), Virginia Girl.
WHAS (399.8m-750kc), Kentucky Night Owls.

10:30	9:30	8:30	7:30	6:30

KPRC (296.9m-1010kc), Popular skyline studio concert.

11:30	10:30	9:30	8:30	7:30

KMOX (280.2m-1070kc), "Little Mexico."

For stations silent tonight refer to first Wednesday's list.

Atlantic or Eastern Daylight Saving Time Stations

CFCA, Toronto, Can. (356.9m-840kc), 11 p. m., Gilbert Watson and his orchestra.

WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert, William Penn hotel; 8, WEAF; 8:30, WEAF; 9, concert; 10, WEAF.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30 p. m., recital, Snellenburg and company; 8:10, Hotel Pennsylvania orchestra; 8:30, Miller piano period; 9, White and Mazer, songs; 9:45, Senator Hassenpfesser; 10, recital; 10:30, Zoehrns and Herscher, popular songs; 10:45, Frank Cook, old-time songs; 11, Artie Bittong's cheer-ups.

WEAF, New York, N. Y. (491.5m-610kc), 6 p. m., dinner music; 7:30, musicale; 8, Shinola Merrymakers, Gentlemen of the 2 in 1, WTAG, WCAE, WWJ, WJAR, KSD, WGR, WEEI, WOO, WCSH, WOC, WCCO, WCAP, WSAI; 8:30, Davis Saxophone octet, WOO, WCAE, WSAI, WEEI, WJAR, WGR, WCSH; 9, Ipana Troubadours, WEEI, WCAP, WOO, WWJ, WLIB, WCCO, WOC, WGR, WSAI, KSD; 10, "Yeoman of the Guard," light opera company, WCAP, WJAR, WDAF, WEEI, WTAG, WCAE, WWJ, WCSH, KSD, WTIC; 11-12, Pelham Heath Inn orchestra.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:30 p. m., Bellevue Stratford concert orchestra; 7, Bellevue Stratford dance orchestra.

WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., concert; 8, WEAF; 10, Harry Reid, popular program; 10:30, violinist; 11, Vincent Lopez and his Casa Lopez orchestra.

WHN, New York, N. Y. (361.2m-830kc), 7:30 p. m., Loew's Lexington organ recital; 9, Loew's New York orchestra; 10, Roseland dance orchestra; 11:30, Silver Slipper orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 7, Uncle Wip's bedtime stories.

WJAR, Providence, R. I. (305.9m-980kc), 7:30 p. m., chamber musicale; 8-9, WEAF; 9, musicale; 10, tabloid musicale.

WJZ, New York, N. Y. (454.3m-660kc), 8 p. m., Imperial Imps; 8:30, Stadium Philharmonic concert; 10:30, Hotel Astor roof orchestra.

WLIT, Philadelphia, Pa. (394.5m-760kc), 8:30 p. m., concert, Progress Paint company; 9, Monto artists; 10, Arcadia cafe dance orchestra.

WLWL, New York, N. Y. (288.3m-1040kc), 8:30 p. m., Hearthside Harmonizers; 8:45, studio program.

WMCA, New York, N. Y. (340.7m-880kc), 6:30 p. m., Ernie Golden and his Hotel McAlpin orchestra; 7:30, Tappen's orchestra; 8, X-IT Hawaiians; 8:30, Meister Homesteaders; 9, Mamaroneck night; 9:30, Woodmansten Inn orchestra; 10:30, Stauch's orchestra; 11, Jack Denny's orchestra; 12, McAlpin entertainers.

WNYC, New York, N. Y. (526m-570kc), 6 p. m., piano selections.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Sylvania dance orchestra; 8, WEAF; 10, Fox theater program; 10:30, Ritz Carlton dance orchestra.

WOR, Newark, N. J. (405.2m-740kc), 6:30 p. m., Hotel Shelton ensemble orchestra; 8, French Line program; 9, Arthur Pryor's band; 9:30, Monterey society orchestra; 10:45, Monterey concert quintet; 11:15, Ben Bernie Berkeley Cartaret grill.

Eastern Standard or Central Daylight Saving Time Stations

KYW, Chicago, Ill. (535.4m-560kc), 7 p. m., musical program; 9-10:30, classical concert; 10:30-12, Congress carnival.

WBBM, Chicago, Ill. (225.4m-1330kc), 8-10 p. m., popular period; 12, Nutty club.

WEBH, Chicago, Ill. (370.2m-810kc), 7-8 p. m., Osborn's orchestra; Florence Behrend; Frank Greif, Frank Bordner; 9-10, Osborn's orchestra; Frank Bordner; Lawrence Salerno; 11-12:30, orchestra; Kay Ronayne, Florence Behrend.

WENR, Chicago, Ill. (265.3m-1130kc), 6-7 p. m., Rauland lyric trio; 8-10, All-American Pioneers; 12-2 a. m., midnite frolic.

WGES, Oak Park, Ill. (249.9m-1200kc), 5-7 p. m., Paradise plane; 8-9, Frank Sylvano, Louis Panico, Guyon's Paradise ballroom orchestra; Melody Girls; 11-1 a. m., Casey and Gervais; Ray Dean, Fay Dillon, Pat Ryan, Louis Panico, Guyon's Paradise ballroom orchestra.

WGHB, Clearwater, Fla. (265.3m-1130kc), 8:30-10 p. m., diversified program; Caroline Lee, "The Virginia Girl" and her Spanish guitar; Bob Houts, baritone; Katherine Gauss, violinist; Mrs. Newell Turner, accompanist.

WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert; 8-10, Little symphony orchestra; WGHP male quartet; John Koneczny, tenor; Helen Fairchild, pianist; 12-1 a. m., Gerald Marks' orchestra.

WGN, Chicago, Ill. (302.8m-990kc), 6:35-7 p. m., Blackstone string quintet; 9-10, grand opera selections; 10-10:10, Sam 'n' Henry; 10:10-10:20, studio music; 10:30-12:30 a. m., Pepper party.

WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., Eastman theater program.

WHT, Chicago, Ill. (399.8m-750kc), 7:10 p. m., organ; 7:50, chapel; 8:30-10:15 (238m-1260kc), studio features; 11 (399.8m-750kc), Art Becker, pianist; Al and Pat; 12 midnight, your hour league.

WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., Dorothy Rae, soprano; Charles Champlin, baritone; Evelyn Elliott, contralto; Frank Greif, tenor; trio, 10-12, Marie Tully, Wayne Myers, William Molnaire, Cramer and O'Grady; Elsie Orr; Lenore Friedman, Pearl Holtzman.

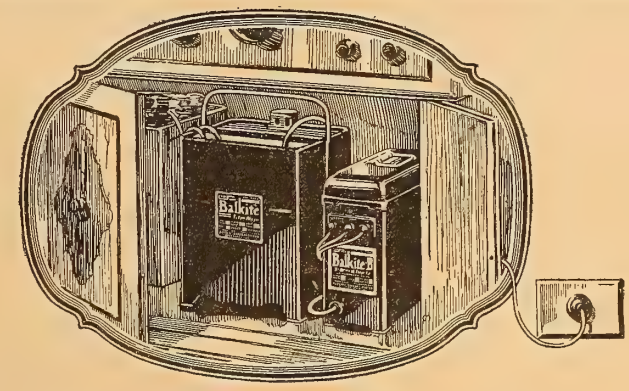
WJAZ, Chicago, Ill. (329.5m-910kc), 9-12 midnight, Chez Pierre studio program; Earl Hoffman's Chez Pierre orchestra; Alexander Nakutin vocal studio program; selections, piano studio of Edwin J. Gemmer; Chez Pierre Hawaiian quartet.

WJJD, Mooseheart, Ill. (370.2m-810kc), 5:30-7 p. m., dinner concert; Jack Nelson; Howard Peterson, organist; symphony players, Victorians; 8-9, child artists, solos, bands; 10-11, Victorians, Isabel Defaut, R. Thomas; 12:30 a. m., Settin' Up hour.

WLIB, Chicago, Ill. (302.8m-990kc), 7-7:05 p. m., Million Sing; 7:15-7:30, dinner concert; 7:30-7:50, Pattison Coates, baritone; Edward Barry, pianist; 7:50-8, Auld Sandy; 8-9, WEAF; Ambrose Larson, organist.

WLS, Chicago, Ill. (344.6m-870kc), 7:15 p. m., Rose Sherman, violinist; Marie Ludwig, harpist; 7:30, Al Melgard, organist; 8:10, Cecil and Esther Ward, Hawaiian music; 8:30, Midwest quartet; 9, WLS trio; 10, Medicine show; 11, Tin Pan alley.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Hotel La Salle orchestra; 8:30, Whitney trio; 9, WMAQ players, chimes.



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Wednesday, July 14

WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon duo; 9-11, Trianon orchestra; artists.

WOK, Chicago, Ill. (217.3m-1380kc), 6-7 p. m., Tip-Top Inn string ensemble; 10-1:30 a. m., Tearney's Town club orchestra; Pershing Palace orchestra; Midway Gardens orchestra; Capitol theater program.

WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9 p. m., 10-Fingered Paul; Moke Marrin, Helen Neuman, Jim Forshey, Ruth Glaser, Pearl Knudson, Sid Goldman, Chuck Helwegen's Ramona Gardens orchestra; 9:30, Sav-u-time program; 10:05, Atwater Kent hour.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Gardens orchestra; 10-2 a. m., Rainbo Gardens orchestra; Melodians; Joe Warner, character songs.

WRC, Washington, D. C. (468.5m-640kc), 5-6:20 p. m., U. S. Marine band.

WRVA, Richmond, Va. (256.3m-1170kc), 9 p. m., Smithers Hawaiian orchestra; 9:30, Robert J. Beadles, organist.

WSAI, Cincinnati, Ohio (325.9m-920kc), 6:45 p. m., chimes; 7, WEAF; 10, Congress Playing Card string quartet.

WSWS, Chicago, Ill. (275.1m-1090kc), 6 p. m., Josephine Oliver, Terrace Gardens orchestra; 8, Cecil and Esther Ward, Nel and Lucille Cook; Edward Holt, Clinton Keithley; Terrace Gardens orchestra; 10, Terrace Gardens quintet; Josephine Oliver, Lucille Darmond; Joe Coffee; Dave Darcie, ballads; Osborne Sisters; 12, Witching hour.

WTAM, Cleveland, Ohio (389.4m-770kc), 6:15 p. m., Hotel Cleveland orchestra; 7:30, WEAF; 8, Public Auditorium program.

WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7, WEAF; 7:30, dance orchestra; 8 dance program; 9, Detroit News orchestra.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., dinner concert; 8:30-10:30, orchestra entertainment.

KFH, Wichita, Kans. (267.7m-1120kc), 7 p. m., saxophone octet; 7:30, Jimmie White and Clovis Miller.

KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., concert.

KMA, Shenandoah, Iowa (252m-1190kc), 9-11 p. m., popular musicale.

KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., Jacquinot Jules; 7-8:30, Marguerite Schmidt, pianist; 8:30-9:30, song cycle; 9:30-11:30, "Little Mexico."

KPRC, Houston, Texas (296.9m-1010kc), 7:30 p. m., Kensington Hall dance orchestra; 8:30, popular skyline studio concert.

KSO, Clarinda, Iowa (241.8m-1240kc), 8 p. m., North Page Canaries; 8:20, mixed program, Vern Fisher.

KVOO, Bristow, Okla. (374.8m-800kc), 6-8 p. m., Radio trio; Mascho, Cunningham, Mascho.

WADC, Akron, Ohio (258.5m-1160kc), 9 p. m., Roseland dance orchestra.

WCOA, Pensacola, Fla. (222m-1350kc), 7 p. m., First Presbyterian church choir.; David Lloyd, tenor; Mrs. Henry S. Brown, contralto; John D. Thomas, pianist, Churchill and Fillingim, Hawaiian melodies.

WGBF, Evansville, Ind. (263m-1270kc), 7 p. m., dance musicale, A. L. Maxwell company; 8, auto tour; 11, DX club.

WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., Jake Seligman and his Kentucky Night Owls.

WHB, Kansas City, Mo. (365.6m-820kc), 7-8 p. m., Harry Lani and his uke.

WOAI, San Antonio, Texas (394.5m-760kc), 8:30 p. m., Army night program.

WOC, Davenport, Iowa (483.6m-620kc), 6-7:30 p. m., WEAF; 9:30-10:30, organ recital.

WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., dinner concert; 8, Frances Hickerson, reader; Mrs. Blanche Bingham Campbell, mezzo-soprano; Elizabeth English, accompanist; 10, Mrs. Eva Thompson Jones, contralto; Eleanor Horn, pianist.

WSMB, New Orleans, La. (319m-940kc), 8:30-10:30 p. m., Schilling's society serenaders, Marcus show.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-7:30 p. m., popular program; 7:30-8, Nick Harris detective story 8-9, program, California Petroleum corporation; 9-10, classic hour; 10-11, Chas. Beauchamp, tenor.

KFWB, Hollywood, Calif. (252m-1190kc), 7:30-8 p. m., program, Corduroy Tire stores; 8-9, program, A. V. Shotwell corporation; 9-10, program, Pacific Development company; 10-11, Warner Brothers frolic.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-9, concert; 9-10, vocal and instrumental concert.

KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., Uncle John and the children; 8-10, Tower studio presentation.

NEWS BULLETINS

Daily Except Sunday

Atlantic	Eastern	Central	Mountain	Pacific	
10:45 a. m.	9:45	8:45	7:45	6:45	KDKA (309.1m-970kc).
11	10	8	8	7	WGN (302.8m-990kc).
11:35	10:35	9:35	8:35	7:35	WCCO (416.4m-720kc).
12	11	10	9	8	WOAI (394.5m-760kc).
1 p. m.	12 n.	11	10	9	CFCA (356.9m-840kc); KDKA (309.1m-970kc); KPRC (296.9m-1010kc).
1:30	12:30	11:30	10:30	9:30	WCAE (461.3m-650kc).
2	1	12 n.	11	10	KGW (491.5m-610kc); KNX (336.9m-890kc).
2:15	1:15	12:15	11:15	10:15	WOAI (394.5m-760kc).
4:45	3:45	2:45	1:45	12:45	WHAS (399.8m-750kc).
5	4	3	2	1	WCX (516.9m-580kc).
5:30	4:30	3:30	2:30	1:30	WCAE (461.3m-650kc); WFAA (475.9m-630kc).
7	6	5	4	3	CFCA (356.9m-840kc).
7:30	6:30	5:30	4:30	3:30	WPG (299.8m-1000kc).
8	7	6	5	4	KOIL (278m-1080kc); WOC (483.6m-620kc).
8:15	7:15	6:15	5:15	4:15	WMAK (265.6m-1130kc); WOAI (394.5m-760kc).
9	8	7	6	5	WMCA (340.7m-880kc).
10	9	8	7	6	WSAI (325.9m-920kc).
10:30	9:30	8:30	7:30	6:30	KPO (428.3m-700kc).
11	10	9	8	7	KLX (508.2m-590kc).
11:45	10:45	9:45	8:45	7:45	WEBH (370.2m-810kc).

Sunday

Atlantic	Eastern	Central	Mountain	Pacific	
9 p. m.	8	7	6	5	WMAK (265.6m-1130kc).
9:15	8:15	7:15	6:15	5:15	WEBH (370.2m-810kc).
10	9	8	7	6	WPG (299.8m-1000kc).
1 a. m.	12 n.	11	10	9	KFWB (252m-1190kc).

CLASSICAL CONCERTS INDEX

Sunday

Atlantic	Eastern	Central	Mountain	Pacific	
7:20 p. m.	6:20	5:20	4:20	3:20	WCAE, WCAU, WEAF chain, WJAR, WJAZ, WWJ.
8:30	7:30	6:30	5:30	4:30	KOA.
9	8	7	6	5	WAMD, WBZ, WCAU, WHAR, WJAZ, WHT, WNYC, WQJ.
10	9	8	7	6	KFDM, KPRC, WBZ, WCBD, WCCO, WGY.
9:15	8:15	7:15	6:15	5:15	WEAF chain.
9:45	8:45	7:45	6:45	5:45	WEAF chain.
11	10	9	8	7	KFAB, KHJ, KNX, KTHS, KYW, WCCO, WFAA, WOC, WSOE.
12 m.	11	10	9	8	KHJ, KNX, KPO, KTHS, WKRC, WOC.
1 a. m.	12 m.	11	10	9	KHJ, KNX, WOC.
2	1	12 m	11	10	KNX.

Monday

Atlantic	Eastern	Central	Mountain	Pacific	
7 p. m.	6	5	4	3	KGO, WCX, WEAF, WOK, WREO, WWJ.
7:30	6:30	5:30	4:30	3:30	KFAB.
8	7	6	5	4	KMA, WBBR, WCCO, WEAF, WEAR, WHAR, WHAD, WHT, WJR, WMBB, WOAW, WTAG.
9	8	7	6	5	KFNF, KSD, WBZ, WCX, WLW, WTIC.
9:30	8:30	7:30	6:30	5:30	KOA.
10	9	8	7	6	WEAF chain, KFAB, KGO, KHJ, KPRC, WCCO, WBZ, WHAD, WHO, WLW, WORD, WOS, WDAF.
11	10	9	8	7	KMA, KOA, KPO, KPRC, KSD, KTHS, WAMD, WCCO, WHAD, WOAW, WSAI, WSUI.
11:15	10:15	9:15	8:15	7:15	KOA.
12 m.	11	10	9	8	KGW, KHJ, KMA, KSD, KTHS.
1 a. m.	12 m.	11	10	9	KGW, WBAP.
2	1	12 m	11	10	KHJ.

Tuesday

Atlantic	Eastern	Central	Mountain	Pacific	
7 p. m.	6	5	4	3	WBZ, WCX, WREO, WWJ.
7:30	6:30	5:30	4:30	3:30	KFAB.
8	7	6	5	4	KGO, KMA, WEAF, WHAD, WJR, WMAQ, WOAW, WOK, WSAI, WTIC, WWJ.
8:30	7:30	6:30	5:30	4:30	WSAI.
9	8	7	6	5	KFNF, KSD, KYW, WBZ, WCAE, WCX, WHT, WLS, WMBB, WQJ, WRC, WTIC, WEAF chain.
9:30	8:30	7:30	6:30	5:30	KOA.
10	9	8	7	6	KFDM, KGO KHJ, KYW, WCAE, WCBD, WCCO, WEAF, WEEI, WGR, WHAS, WJAR, WLW, WMAQ, WOC, WORD, WSAI, WTAG.
11	10	9	8	7	KFAB, KFDM, KFUO, KMA, KNX, KPRC, KTHS, WCAE, WCCO, WEAF, WEEI, WLW, WMCA, WOC, WSOE, WTAG.
12 m.	11	10	9	8	KGO, KHJ, KMA, KYW.
1 a. m.	12 m.	11	10	9	KPO, KYW, WHO, WMC.

Wednesday

Atlantic	Eastern	Central	Mountain	Pacific	
7 p. m.	6	5	4	3	WCX, WREO, WWJ.
7:45	6:45	5:45	4:45	3:45	KFAB, WSAI.
8	7	6	5	4	KGO, WHAD, WJR, WMAQ, WOK, WTIC.
9	8	7	6	5	KFNF, KPRC, KSD, KYW, WAMD, WBZ, WCX, WEAF, WEEI, WHT, WLW, WMBB, WMCA, WQJ, WTAG, WWJ.
9:30	8:30	7:30	6:30	5:30	KOA.
10	9	8	7	6	KGO, KPRC, KSD, KYW, WBZ, WCCO, WDAF, WEEI, WGR, WHAD, WHAS, WJAR, WMAQ, WOR, WOS, WORD.
11	10	9	8	7	KMA, KNX, KTHS, WAMD, WCCO, WEAF, WEEI, WGR, WHAD, WJAR, WLS, WMAQ, WNYC, WOC, WSOE.
12 m.	11	10	9	8	KGO, KGW, KMA, KPO, KTHS, WCAE, WLS, WLW, WOC, WSAI.
1 a. m.	12 m.	11	10	9	KGW, KPO, WHAD, WLW.
2	1	12 m	11	10	WLW.

Thursday

Atlantic	Eastern	Central	Mountain	Pacific	
7 p. m.	6	5	4	3	WBZ, WCX, WIP, WREO, WWJ.
8	7	6	5	4	KGO, KSD, WEAF, WGBS, WHAD, WJR, WMAQ, WOAW, WOK, WQJ, WWJ.
9	8	7	6	5	KYW, WBBR, WBZ, WCAU, WCCO, WCX, WEEI, WGR, WGY, WHAR, WHT, WLS, WLW, WMBB, WOAW, WTAG, WTIC.
9:30	8:30	7:30	6:30	5:30	KOA.
10	9	8	7	6	KHJ, KLDS, WBAP, WCAE, WCAU, WCBD, WCCO, WEAF, WEEI, WGR, WHAR, WHAS, WJAR, WJAZ, WNYC, WOC, WORD, WRC, WSAI, WSB, WTAG.
11	10	9	8	7	KNX, KPRC, KTHS, KYW, WAMD, WGR, WGY, WHAD, WJAZ, WMC, WOAW, WOC, WSAI.
12 m.	11	10	9	8	KGO, KPO, KTHS, WBAP, WJAZ, WKRC.
1 a. m.	12 m.	11	10	9	KGW, KPO, WHO, WKRC.

Friday

Atlantic	Eastern	Central	Mountain	Pacific	
7 p. m.	6	5	4	3	KGO, WCX, WMCA, WREO, WWJ.
7:30	6:30	5:30	4:30	3:30	KFAB.
8	7	6	5	4	KGO, WEBJ, WGY, WHAD, WJR, WMAQ, WOAW, WOK, WOR, WQJ, WTIC.
9	8	7	6	5	KYW, WAHG, WAMD, WBZ, WCAU, WCX, WEBJ, WEEI, WHT, WLS, WWJ.
9:30	8:30	7:30	6:30	5:30	KOA.
10	9	8	7	6	KFDM, KFNF, KGO, KHJ, KSD, KYW, WBAP, WBZ, WCAU, WDAF, WEEI, WHAD, WJAR, WMAQ, WMCA, WSAI.
11	10	9	8	7	KFAB, KFDM, KOA, WCCO, WHAD, WMAQ.
12 m.	11	10	9	8	KHJ, KNX, KPO.
1 a. m.	12 m.	11	10	9	KPO.

Saturday

Atlantic	Eastern	Central	Mountain	Pacific	
7 p. m.	6	5	4	3	WCX, WEAF, WMCA, WREO.
7:30	6:30	5:30	4:30	3:30	KFAB.
8	7	6	5	4	KGO, KYW, WENR, WMAQ, WNYC, WOAW, WOK, WRC.
9	8	7	6	5	KDKA, KFNF, KOIL, KSD, KYW, WBBR, WGN, WMBB, WNYC, WOAW, WQJ.
10	9	8	7	6	KPRC, KHJ, KYW, WHAS, WIP, WLW, WORD, WSAI, WSOE.
11	10	9	8	7	KNX, KYW, WEAF, WMAQ, WMC, WOAW, WOC, WORD.
12 m.	11	10	9	8	KGO.
1 a. m.	12 m.	11	10	9	WOAW.

KFH, Wichita, Kansas, surprised fans recently by giving the opera "Martha." This production was so credible, plans are being made for a series of concerts. The artists in costume, above, are from left to right, Roy Campbell, tenor; Sybil Johnson, soprano; Sue Fulton, contralto, and Lester Weatherwax, baritone. J. L. Fox, announcer, is standing in the center of the group.

New Schedule for Baseball Scores Announced by WJZ

NEW YORK.—The sports loving element in Station WJZ's audience are warned of a change which has occurred in the time of broadcasting of the final sport returns.

The station has found that it will be possible to give the final baseball returns to the fans half an hour earlier than has been the practice during the early part of the season. In other words, WJZ will broadcast their sports final at 7 o'clock Eastern daylight time every day, including Sunday. The early sports broadcasts will be given at intervals every day except Sunday, starting at 4 o'clock, followed by a more complete return at 4:30. Then there will occur a lapse of one hour until 5:30 when a third report, which should include complete returns on all baseball games played under Eastern daylight saving time. The fourth sports report which will be given at 6 p. m. each week day will include the complete returns on all major league games played under Eastern daylight saving and standard time.

The final report at 7 o'clock will cover all baseball games and other major sporting events of the day. If by chance any major event has not been completed by 7 p. m. the returns on that event will be given a supplementary report as soon as the report is received.

Radio Fish Stories, True Or Not So True, Published

MINNEAPOLIS.—A booklet entitled "Fish Lies and Liars" has just been published by the Minnesota division of the Izaak Walton league. It contains the prize fish stories entered in the Radio contest sponsored by the league during the Tuesday night talks from the Gold Medal station, WCCO. The fly leaf of the booklet carried the very pertinent question, "Does Fishing Make Men Liars or Do Only Liars Fish?"

The first letter published in the booklet is purported to come from one "Ananias," whose address is given as "Hades." Mr. Ananias admits that after listening to these fish stories told from WCCO, he is hopelessly outclassed and that he is ready to relinquish all claims and tearfully hand over his crown to the Izaak Walton league champion.

The prize story was written by H. B. Haskell of White Bear, Minn. It is written in the Swedish dialect, and describes the capture of a blue catfish.

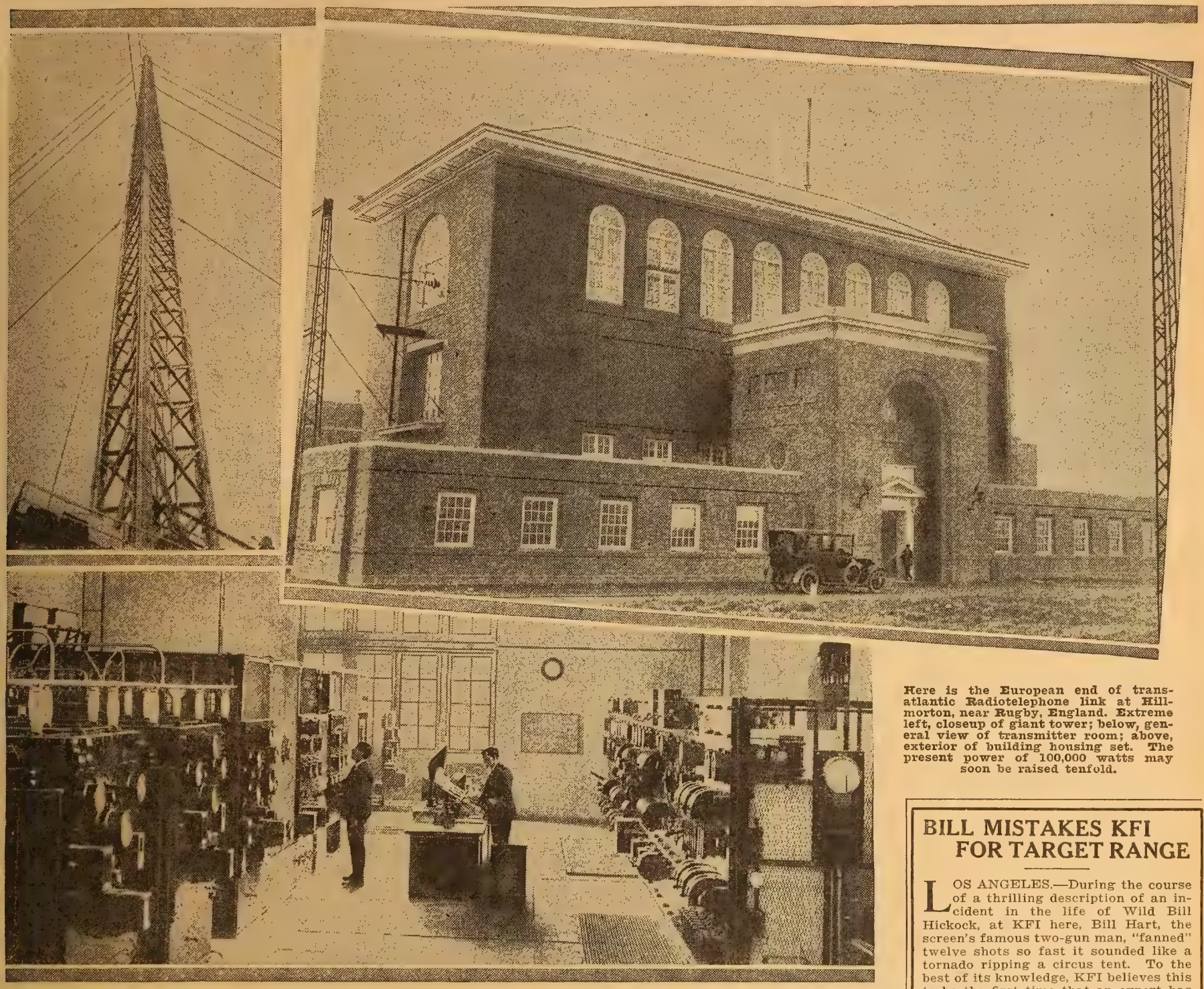
The booklet was compiled by Deane Rundlett and Miles Durkin, Minneapolis officials of the league.

MARKETS AND WEATHER

Daily Except Sunday

Atlantic	Eastern	Central	Mountain	Pacific	
10:30 a. m.	9:30	8:30	7:30	6:30	WOAW (526m-570kc), Markets.
10:45	9:45	8:45	7:45	6:45	KDKA (309.1m-970kc), Livestock, grain.
11	10	9	8	7	WLS (344.6m-870kc), Livestock, markets, fruit. WOS (440.9m-680kc), Hogs.
11:30	10:30	9:30	8:30	7:30	WFAA (475.9m-630kc), Markets.
11:45	10:45	9:45	8:45	7:45	WCCO (416.4m-720kc), Markets.
					WHO (526m-570kc), Opening grain quotations, New York and Chicago stock exchange. Livestock, weather, roads.
					WMC (499.7m-600kc), Weather, markets.
12 n.	11	10	9	8	WOS (440.9m-680kc), Weather, hogs.
12:15 p.m.	11:15	10:15	9:15	8:15	WTAG (268m-1120kc), Markets, weather.
12:30	11:30	10:30	9:30	8:30	WCCO (416.4m-720kc), Markets.
1	12 n.	11	10	9	KDKA (309.1m-970kc), Weather, livestock, grain. WBAP (475.9m-630kc), Weather, cattle, grain. WLS (344.6m-870kc), Poultry, dairy, hogs, sheep. WOS (440.9m-680kc), Livestock, poultry, eggs.
1:30	12:30	11:30	10:30	9:30	WEAR (384.4m-780kc), Markets, weather. WFAA (475.9m-630kc), Markets.
2	1	12 n.	11	10	WBAP (475.9m-630kc), Markets. WHO (526m-570kc), Livestock, receipts. Weather, roads. WOS (440.9m-680kc), Livestock, weather.
2:30	1:30	12:30	11:30	10:30	KTHS (374.8m-800kc), Markets, weather. WOAW (526m-570kc), Markets.
2:45	1:45	12:45	11:45	10:45	KOA (322.4m-930kc), Weather, roads, livestock, poultry.
3	2	1	12 n.	11	WOC (483.6m-620kc), Weather, grain, livestock, dairy.
4	3	2	1	12 n.	WHO (526m-570kc), Livestock, Chicago and St. Louis closing cash market quotations, Chicago Board of Trade, N. Y. Stock exchange. WLS (344.6m-870kc), Livestock, grain, dairy, fruit, vegetables. WOS (440.9m-680kc), Livestock, markets, grain.
4:30	3:30	2:30	1:30	12:30	WFAA (475.9m-630kc), Markets.
4:50	3:50	2:50	1:50	12:50	WWJ (352.7m-850kc), Weather, markets.
5	4	3	2	1	WCCO (416.4m-720kc), Markets. WFAA (475.9m-630kc), Markets.
9	8	7	6	5	KOA (322.4m-930kc), Sheep, markets, livestock, poultry.

"HELLO AMERICA, EUROPE CALLING"



Here is the European end of transatlantic Radiotelephone link at Hillmorton, near Rugby, England. Extreme left, closeup of giant tower; below, general view of transmitter room; above, exterior of building housing set. The present power of 100,000 watts may soon be raised tenfold.

Fifty Years After Telephone's Debut Words from It Wing Across Atlantic

By J. G. Forrest

NEW YORK.—Fifty years to the day after the first patent was issued for the telephone—considered the most valuable patent ever issued by the United States patent office—two-way Radiotelephonic communication was established across the Atlantic ocean.

For four hours voices flew back and forth across the ocean, while newspaper men on both sides of the Atlantic marveled at the clearness with which they could hear each other. The speakers might have been a block away instead of 3,400 miles apart, for the audibility was better than that in an ordinary telephone communication.

The demonstration was the result of years of experimenting on the part of the American Telegraph and Telephone company, the Radio Corporation of America and the British General post office, to determine the feasibility of commercial service between this country and London. While experts have conversed before, this is the first time that a definite schedule of conversation between groups has been arranged.

Londoners Ask About Prohibition

The tests here took place in a large room on the second floor of the telephone company's building at 24 Walker street. The room was furnished with chairs; a pair of ear phones being placed at each chair. In one corner of the room a booth—similar to a telephone booth—was equipped with the apparatus used for ordinary telephonic communication. Here the visitors went when they spoke to the parties in London.

While the person in the booth was talking, the others in the chairs could hear him carrying on the conversation. Several persons in London asked if it were possible to get liquor here. It was quite the popular joke. A young woman was in the booth when one such question was asked. She replied that it was impossible. Some of the men sitting in the chairs smiled in reply.

Route Conversation Took

In transmitting from America, the speech followed a different path from that coming from London. From this city, sound was sent over the telephone wires to the Radio transmitting station of the Radio Corporation at Rocky Point, L. I., a distance of seventy miles, and from there it was transmitted by Radio 3,300 miles to a receiving station of the British General post office at Wroughton, England. From this point it was carried over telephone circuits a distance of about seventy miles to London.

Coming from London to America, the speech was carried over telephone wires a distance of seventy miles to the Radio station at Rugby, England, and thence by Radio a distance of 2,900 miles to a receiving station at Houlton, Me. From Houlton the speech was carried over telephone circuits a distance of 600 miles to this city.

100,000 Watts Power Used

The transmission from Rocky Point was on a wave length of 5,260 meters and the transmission from Rugby, England, was on a wave length of 5,750 meters. The power used in transmitting from each end was about 100 kilowatts—100,000 watts!

In view of the many difficult problems involved, it is not possible at the present time to make any statements regarding the date when transatlantic Radio telephone service can be made available regularly to the public. About all that can be said is that the tests thus far carried out are encouraging. Complete service may be had soon.

When that time arrives, a 'phone subscriber in San Francisco will be able to talk to anyone in Europe.

BILL MISTAKES KFI FOR TARGET RANGE

LOS ANGELES.—During the course of a thrilling description of an incident in the life of Wild Bill Hickock, at KFI here, Bill Hart, the screen's famous two-gun man, "fanned" twelve shots so fast it sounded like a tornado ripping a circus tent. To the best of its knowledge, KFI believes this to be the first time that an expert has made a shooting gallery out of a broadcasting studio.

For the benefit of bloopers a new terror has been introduced by the British post office. This is an automobile, fitted with a receiver and the latest type of direction finder, to be used for patrolling London areas and hunting down radiating sets.

Televocal QUALITY TUBES

Dependable and a Technical Triumph

A RADIO TUBE that is non-microphonic — won't short. Sold in matched units; tested, balanced and plainly marked detector, radio frequency or audio frequency.

Ask your dealer for this new and better radio tube that costs no more. If he can't supply you with Televocals, send us his name and address on attached coupon.

DEALERS AND JOBBERS—WRITE US

Televocal Corp'n.
67 A FIFTH AVE. - - NEW YORK

Dealer's Name.....
City..... State.....
Your Name.....

The Reader's View

(Continued from page 15)

I do not know what I will do—unless it will be to thank you."—CHIEF OF THE WDAF NIGHTHAWKS.

P. S. Anyway, Digest, the old Hired Hand is a blamed good announcer, and to prove I mean it, enclosed you will find my ballot for him. The Nighthawk Chief knows talent when he sees it, whether it be in the matter of singing, announcing, or polling votes, and assures the world that in another year he will know better how to conduct his campaign.

Call the old Hawk a jealous bird if you want to, but let me tell you what the Hired Hand did. The Kansas City Star, home of the Nighthawks, was recently advertised for sale, in compliance with the will of its founder, William Rockhill Nelson. This Texan wired in to the managing editor his bid, offering for the newspaper a green top, his two "snotty" agates and a ball Babe Ruth gave to him, and adding the line (this is what got me) "with or without the Nighthawks." I haven't gotten over that last crack yet.—H. D. F., Kansas City, Mo.

B SUBSTITUTE IS GOOD

(Continued from page 11)

screw. This screw is cut with a minute micrometer thread which affords extremely fine resistance graduations. There is no reason for removing the plunger carrying this thread, but if you do, then be very certain in replacing it that you start absolutely true in its housing. If you do not do this, you will wreck a wonderful resistance and you alone are to blame.

As complete assembly and operating instructions are included in the cartons containing the parts used in this eliminator, exhaustive construction data appears as superfluous. It's a real eliminator—better build it.

WGHP IS "AD" STATION

(Continued from page 6)

Even the purposeful business of advertising, cleverly done, is an art requiring fitness and sympathetic treatment. No one understands this truth better than Mr. Phelps who skillfully balances the scales to a hair's breadth so that the message is accepted as wholesome and not rejected as unpalatable. Listeners who tune in the WGHP programs are invariably pleased because the artistic part comes clean and untainted. At the conclusion of the program the names of the advertising clientele are announced for the first time as the sponsors of the entertainment. It is a matter of reciprocity to the public. Buyers have been good to the firms; the firms respond with a serenade, as it were.

"We make no secret of the fact that we are advertising agents," said a representative of the Phelps organization, "and, frankly, WGHP is an organ of our concern. But advertising by Radio requires an infinite appreciation of the listener's viewpoint. He must not be offended or more harm is done than good. To interlard the program numbers with bald advertising would be comparable to smearing a proud mountain peak with a glaring sign. The effect would be ruinous; for the scenic effect would be destroyed and the observer would bitterly resent the presumption of the owner of the sign. The beauty of an artistic rendition by Radio would be smudged and the listener would resent the cause of the smudging."

That the WGHP policy is a success seems to be confirmed by the fact that after six months it has expanded into larger quarters. There is a new broadcasting station just outside the suburb of Mt. Clemens and an enlarged studio in the new building erected as the permanent home of the organization at Jefferson and Joseph Campau avenues.

This building stands apart unique as a business block. It is distinctly Italian in architectural design, an old Roman castle with courtyard, abounding shrubbery and a fountain. The whole effect is an appeal to the artistic and an inspiration to those who come there to broadcast.

William D. Lauries has been delegated as managing director and it was through his personal efforts that the station has been launched according to the ideas and ideals outlined by Mr. Phelps. Harry C. Browne, station director and announcer, comes from the theater where he established a name for himself over the footlights from one end of the country to the other. This talent and experience is being used to advantage in presenting programs according to the ethics and demands of good showmanship. He has devised a number of unique and noteworthy features which have established character and individuality with the WGHP station.

T. Stanley Perry, musical director, has also contributed largely to the distinction of this new station. His voice was a favorite with Radio listeners throughout the Detroit area long before the establishment of WGHP. One of the rigid demands of this station has been that its music must be interpreted with authority and understanding so that the most fastidious listeners might consider the technique above reproach. The Little Symphony orchestra, under the leadership of Dirk Van Emmerik, represents a selection of artists from the Detroit Symphony orchestra. All are soloists on their respective instruments. Twice each week they present a two hour program of the favorite classics. Two dance bands provide the daily menu of modern music. One is the Gerald Marks Hotel Tuller orchestra and the other, the Skylark Dance band. Among the favorite feature numbers is the Motortown trio, Bert Hall, Frank Turner and Harry Reid. Sometimes they are joined by Miss Gladys Sanderson and her ukulele.

Madame Gizi Szanto, concert pianist, is one of the special soloists heard each week with the Little Symphony orchestra. Included in the operatic group are Miss Leona E. Mitchell, soprano; Albertine Schmittke, soprano; Mildred Carner Johnson, contralto; Mona Perkins, contralto; T. Stanley Perry and Richard Rolph, tenors; William A. Kerr and John L. Dickinson, baritones, and Tom Perry, juvenile. The WGHP Frolickers are Harry C. Browne, Mr. and Mrs. Eddie McGrath, "Heck" and "Mack".

The dinner hour and evening program artists are: Marvelle Payette, Winifred Huntoon, Ann Patterson, Vivian Downey, Fredericka Sims Hull, sopranos; Charles Hargreaves and C. Herbert Peterson, tenors; Hubert Haussler, Chas. Hutton, Chas. Coates, baritones; Wm. F. Bartels, basso. The studio accompanists and pianists are Wayne Frary, Loraine Lancey, Helen Fairchild and J. Franz Miller. The WGHP entertainers who enact the playlets are drawn from the light opera group. The WGHP male quartet is composed of T. Stanley Perry, John Koneczny, tenors; Archibald C. Jackson, baritone; O. Henry Albert, basso. On the occasion of the opening of the new studio, DeWolf Hopper, Charles Hart, Lieut. Gitz-Rice, Frank Moulan, Lilliebelle Barton, Adele Marcus and Mary C. Browne were brought from New York. They presented a program especially arranged in honor of the event.

Such is the standard set by this new broadcasting station in Detroit. Mail returns have indicated that there is a rapidly growing audience of listeners not only in the Detroit area but throughout the United States. Automobiles doubtless will continue to bear aloft Detroit's fame for many years to come but they will have to share part of the honors with Radio—the hum of the antenna a pleasing obbligato to the song of the motors.

To Show Historic Receivers

NEW YORK.—Radio equipment used in the Byrd and Wilkins airplane expeditions to the frozen North will be displayed at Grand Central Palace, New York city, on September 10, when the Radio show opens.

WJZ's massive structural steel antenna towers are insulated at the base to prevent them from absorbing even a small amount of the energy radiated by the antenna.

"We give our sets about the same amount of use, but your 'B' batteries always last longer than mine. What's your secret?"

"WHY, there's really no deep, dark secret about it. It's simply knowing what are the right size batteries to buy for your set."

"Yes, but what do you mean by *right* size?"

"The right size depends on the number of tubes in your set. The more tubes you have, the bigger the 'B' battery you need to give you long, economical service. Just follow the rules laid down by Eveready and you can't make a mistake." These are the rules and the results:

On all but single tube sets—Connect a "C" battery. The length of service given below is based on its use.*

On 1 to 3 tubes—Use Eveready No. 772. Listening in on the average of 2 hours daily, it will last a year or more.

On 4 or more tubes—Use the Heavy-Duty "B" Batteries, either No. 770 or the even longer-lived Eveready Layerbilt No. 486. Used on the average of 2 hours daily, these will last 8 months or longer.

The above rules will give you the maximum "B" battery life and economy. Of course, if you listen in more than 2 hours a day, your "B" batteries will not last quite so long, and if you listen less they will last longer. Eveready "B" Batteries give the pure, steady, noiseless current that is absolutely essential if you prize pure tone.

Send for booklet, "Choosing and Using the Right Radio Batteries," sent free on request. There is an Eveready dealer nearby.

Manufactured and guaranteed by
NATIONAL CARBON CO., Inc.
New York San Francisco
Canadian National Carbon Co., Limited
Toronto, Ontario

*NOTE: A "C" battery greatly increases the life of your "B" batteries and gives a quality of reception unobtainable without it. Radio sets may easily be changed by any competent radio service man to permit the use of a "C" battery.

Tuesday night means Eveready Hour—8 P. M., Eastern Standard Time, through the following stations:

WEAF—*New York*
WJAR—*Providence*
WEEI—*Boston*
WTAG—*Worcester*
WFI—*Philadelphia*
WGR—*Buffalo*
WCAE—*Pittsburgh*
WSAI—*Cincinnati*
WTAM—*Cleveland*
WWJ—*Detroit*
WGN—*Chicago*
WOC—*Davenport*
WCCO { *Minneapolis* / *St. Paul*
KSD—*St. Louis*

LEFT - *No. 486, for 4, 5 or more tubes. $5.50.*
RIGHT - *Eveready Dry Cell Radio "A" Battery, 1½ volts.*

NEW WEBH MUSIC IS PLEASANT SURPRISE

BEST MUSICIANS ENGAGED TO FILL VOID OF ORIOLE

Famous Russo-Fiorito Orchestra Leaves for Aragon Ballroom and WIBO—On Air August 1

CHICAGO.—The new Edgewater Beach hotel orchestra, every member of which is a master musician, is the pleasant surprise which greeted WEBH listeners recently in place of the famous Russo-Fiorito Oriole orchestra, whose strains have made the "Voice of the Great Lakes" one of the most popular stations on the air.

The Oriole left WEBH and the hotel to take a long time contract with the new Andrew Karzas "Aragon" ballroom, a gigantic dance palace which is to open here August 1. At that time the Oriole orchestra will again be on the air broadcasting through WIBO, the Russo-Fiorito Orchestras and Nelson Brothers station.

The void was expected and for months past the country has been scoured to find the best musicians in the world to replace the famous Oriole. No money was spared in the attempt, and it is now claimed that the new musical organization of the Edgewater Beach hotel is paid higher than any other orchestral body in the world.

"We are proud to introduce the new Edgewater Beach hotel orchestra to our listeners," announced Robert D. Boniel, WEBH director. "We will leave the audience to judge for itself."

Introducing Its Members

Members of the new orchestra are as follows:

Joseph Gallichio, director, for six years concertmaster for Balaban & Katz theaters, conceded to be one of the greatest violinists in the country. For five years he was with the Tip-Top Inn sextet, two years with the Minneapolis Symphony orchestra and two seasons with Chicago grand opera.

Roy Bargy, pianist, recently returned from an extended tour abroad with Isham Jones' orchestra; organized the famous Benson Victor Recording orchestra; a favorite of two continents when at the Kit Kat club in London and internationally known also as a Brunswick recording artist.

Frank Siegrist, trumpet, introduced the stage form of entertainment for a jazz band, hails from the Pacific coast, where, prior to the war, he was an orchestra leader. He is the only man in the world to successfully play above high "C," a range higher than any human voice.

Frank Quartell, trumpet, late of Isham Jones orchestra, conductor of own orchestra at Montmarte cafe, Okeh record artist, with Paul Biese six months and the Oriole orchestra one and one-half years.

Charles Wagner, drum and tympany, late star of Al Short's orchestra at the Capitol theater.

Ed Vito, harpist, will play first harp for the Cleveland Symphony orchestra next season, has been with the Chicago theater orchestra since the opening of that playhouse.

Al Armer, string bass, tuba and bass sax, former principal bass in Akron Symphony orchestra under Edouard Perrigo, and later with Victor Herbert's orchestra, member of Paul Whiteman's orchestra during concerts in Aeolian and Carnegie halls, New York.

Louis Sarli, violinist, eleven seasons with Minneapolis Symphony orchestra, two with the St. Louis Symphony orchestra and once with Victor Herbert.

C. R. Heidke, saxophone, formerly with Isham Jones, Roy Bargy and Arnold Johnson orchestras; a favorite in New York.

Emerson J. Both, saxophone and clarinet, formerly of the Chicago and Tivoli theater orchestras and of the Arnold Johnson and Charley Straight orchestras.

David Bennett, sax, clarinet, flute and piano accordion, a recording artist with Fred Hamm and Art Kahn orchestras and former member of Gus Edwards' Terrace Garden orchestra.

L. D'Amico, accordion, vaudeville star, member of Rainbo Gardens orchestra up to joining Edgewater Beach hotel orchestra.

Bernard Sigert, cellist, first cello at Riviera, four seasons with Philadelphia Symphony orchestra and engaged for next season by the Chicago Symphony orchestra.

Orville Rennie, vocalist, lately in the "Student Prince" singing leading role.

Harry Perkins, viola, with Chicago Symphony orchestra for five years.

Charles Barbera, trombone, just closed season with famous Brown orchestra at Louisville, Ky.

E. Robertson, first trombone, late of the Gus Edwards orchestra, and of Olson's orchestra, recording artists with great New York reputation.

AT-LAN-TAH GAWJUH LOOKS OVER RECORD

Here's "Colonel" Lambdin Kay, WSB's famous director and announcer, examining a phonograph record of his voice made in New York by Francis R. Hoyt, inventor. Mr. Hoyt just tuned in WSB one night, waited till Mr. Kay was announcing, and turned on his Radio-phonograph recorder. Result—"Colonel" Kay heard himself talking to himself when he visited New York.

WGBF Erects New Antenna

EVANSVILLE, Ind.—The Finke Furniture company station here, WGBF, has recently completed the erection of a new 85-foot steel tower and vertical cage antenna system. A greater range is expected. The wave length is 236.1 meters.

SHORT WAVES

By Marcella

(Continued from page 14)

"O'Flannigan and O'Hara," otherwise Jerry Sullivan, WQJ's director, and Harry Geise, his assistant, are doing their turn again since Harry is back at the Calumet-Rainbo Gardens station. Listen in for their new "Howdy, Hello" song. Same old Jerry and Harry.

* *

"Is Ruth Etting of WLS single, and if not why?" asks Eugene. No, because she was too pretty and nice to stay single. I'll ask Ruth (if she ever gets single soon again) how she would like to gamble her blue-eyed, blonde little 112-pound self on a "fat and bald-headed man."

* *

Lew Farris, "The Eiffel Tower of Radio," is a roaming balladist traveling for the Ted Brown Music company of Chicago. He is liable to turn up most anywhere, a facility permitted by the long strides of his nearly 7 feet of anatomy. Will give a more intimate sketch of this young giant later, "Louella," just as soon as I can put my finger on him.

* *

No, "A. F. C.," Travis Hale and Juanita Collins are not WDAF announcers. Travis Hale is heard frequently with his banjo on the Nighthawks program. He is a popular WDAF entertainer and is noted particularly for his rendition of "A Cowboy's Lament." Juanita Collins is really Mrs. H. Dean Fitzer, wife of the announcer, who sings and plays with him in popular jingles from WDAF. The announcement always is, "Juanita Collins and the Announcer." And next issue, my friends, I shall tell you all about H. Dean Fitzer himself.

* *

Another dandy collection of "inside stuff" to appear next issue is that regarding the entertaining Ernest Rogers of WSB, alias "Willie the Weeper," alias "Old King Tut, the Radio Nut." You see I have covered so much space this time that I am afraid I will wear out my welcome. I said recently that Ernest was single and "looking around." His six-months bride almost took a train from Atlanta to make me retract this error. Ernie, Willie or King Tut—take your choice—tells me that Warner's Seven Aces are now trumping, I mean trumpeting regularly at the Peabody hotel of Memphis, Tenn.

* *

What deep secret would you like to know about your favorite broadcast star? Drop me a note, girls and boys, and I'll do my best to answer here. MARCELLA.

ARNOUX TOPS CUP RACE

(Continued from page 2)

order since last publication, and but few votes have been added. Miss Lillian Shaw, of CKY, who has maintained the lead since the start, is now convalescing from an operation for appendicitis, a note from Winnipeg informs. The standing is:

1. Lillian Shaw, CKY (1).....1,676
2. Bert Hooper, CKCK (2)..... 682
3. H. C. Fricker, CKCL (3)..... 653
4. Geo. A. Wright, CNRV (4)..... 396
5. C. W. Darling, CFCF (5)..... 104

Importance of Saving Ballots

As a reward for saving consecutively numbered ballots and casting them at one time for the same candidate, a bonus vote, with size depending on the number in consecutive order, is credited to that candidate.

Each of these ballots will count for one vote when sent in separately. You can hold these ballots until you have four that are consecutively numbered and when they are sent in, a bonus of eight votes or total of twelve will be granted.

The larger number of consecutive ballots submitted, the greater is the bonus allowed. Eight consecutive ballots receive a bonus of twenty votes. Twelve consecutive ballots receive a bonus of thirty votes, or a total of forty-two votes. For a complete series of ballots, including one from each issue from March 27 to September 1, a bonus of fifty votes will be allowed.

Pikes Peak to Denver Link First in Rocky Radio Chain

DENVER.—The first link in a Rocky Mountain broadcasting chain was recently formed by the hooking up by land wire of stations KLZ, (500 watts, 266 meters) Reynolds Radio Co., Inc., at the Shirley-Savoy hotel, Denver, and KFXF, (500 watts, 250 meters) the Pikes Peak station at Colorado Springs.

While only seventy-five miles apart, neither station has been heard consistently in the other city due to some peculiar geographic condition.

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4—FANCY DAHLIAS—12 for $1.50; GOLD MEDAL GLADIOLI, 100 for $4.00.

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6—L. I. VEGETABLE PLANTS—100 for $1.50; 1,000 for $10, assorted. Cabbage, Lettuce, Egg, Tomato, Celery, etc.

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By special arrangement, Radio Digest is able to offer its readers a great opportunity to secure fine photogravures of their favorite Radio stars at practically no cost.

Radio Fans will be able now, by this very special offer, to have pictures of their favorite artists and announcers before them when they listen in.

Select Your Favorites from the Gallery of Radio Stars

1 Wendell Hall, king of ukulele ditties
2 Graham McNamee, 1925 Gold Cup announcer
3 Jack Little, popular wandering balladist
4 Billy B. Van, the Sunshine Man
5 Coon-Sanders' Original "Nighthawks"
6 George Hay, 1924 Gold Cup announcer
8 Ford and Glenn, Lullaby Boys of WLS
9 "Roxy" Rothafel of WEAF chain fame
10 The Hired Hand, famous "Substitute Announcer" of WBAP
12 Bob Emery, Big Borther of WEEI
13 "Bill" W. G. Hay, ex-KFKX, now of WLIB
14 Happiness Boys, jovial singers of WEAF
15 Lambdin Kay, "Little Colonel" of WSB
16 Leo Fitzpatrick, "Merry Old Chief," WJR
17 Henry Field, 1925 Gold Cup runner-up
18 Al Carney, organ favorite at WHT
20 Vincent Lopez, No. 1 Pennsylvania orchestra
21 E. L. Tyson, pleasing voice at WWJ
23 Art Gillham, "The Whispering Pianist"
25 Harry Ehrhart, "Dream Daddy" of WLIT
26 Correll and Gosden of "Kinky Kids Parade" fame, at WEBH and other stations.
27 Norman Brokenshire, popular at WRC, WJZ
29 Jane Novak, Blues Singer of Twin Cities, WCCO
30 Jean Sargent, the original, now at WHT
31 Ralph Emerson, popular organist at WLS
32 Edna Adams, of KPRC
33 Pat Barnes, vaudeville announcer at WHT
38 Walter Wilson, "Uncle Bob" of KYW
40 Ray-O-Vac Twins, known country-wide
41 Art Linick, KYW's Mrs. Schlagenhauer
42 Fred Hamm of WTAS, now WLIB, fame

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Order by Number.....

"BIG RABBIT"

(Continued from page 9)

nosis; he had played a part until he came to think it real. I feared his vengeance. Keenly sensitive, like most half-breeds, he hated those who were his superiors.

"MAJOR Gaskill made arrangements for the special car when Trimble told him they were suspected, and was in it. Trimble dared not act until he was beyond the reach of help. When the trail led to Florida I suspected the source of his wealth was stolen timber. A thousand negroes, scattered over miles of timber land, each stealing a few logs, could escape detection. It was no wonder Danforth could not find the thief."

Borton stopped to light the cigar and grinned.

"I stumbled upon the trail by overhearing two negroes talking on the boat of a big meeting. There was no use to try to employ force. A regiment could not have captured them in the swamps. Trimble, I learned was playing the part of Big Rabbit, cunningly combining superstition and business. The rabbit was the figure of power. But Trimble overlooked a bet. There is a zootheistic being higher than the rabbit—the terrapin. Among many of the African tribes, especially among the Congo tribes and the Guinea coast tribes, the turtle is the judge, the law giver, and is set above the other zootheistic gods. I determined to play terrapin and checkmate Trimble's rabbit, relying upon surprising him and then placing him in a position where he dared not defy me openly. I went to Jacksonville, had a big turtle shell built of canvas and wires—The rest you know."

"I apologize, Dick," I said. "But don't blame me for doubting. No one would have believed unless he knew negroes."

"There is one thing I'd like to know," said Danforth, "how did you ever manage to escape from the stage?"

Borton grinned happily.

"Easy, he said. "I made a lot of signs, told them I would have to think for a moment, pulled my head into the shell, then crawled out of the shell, crept to the door and dropped down to the ground. They waited five minutes for me to start again—by that time I was in the woods. You should have heard them yell when they learned the turtle was empty."

THERE were legal formalities to be complied with, arrangements to be made for the inquest. The sheriff and coroner dispensed with many formalities—and permitted us to go. I did not see Miss Tonneson until the following morning.

Borton and Danforth had engaged a yacht to convey our party to Jacksonville, and we left Palatka early.

The little white yacht with her varnished cabin, her shining brass work, her pennant and flags flying in the soft breeze curved away from the dock, and sailed down the lotus hemmed channel of the wide river. The sun was shining from a cloudless sky. Orange blossoms, jasmine and magnolia scented the sweet, soft air. The river rippled and danced to the music of the breeze.

I huddled myself in the cabin, taking refuge behind a Jacksonville paper.

The sunshine offended my eyes. The scent of orange blossoms was an insult to my sense of smell. The soft lapping of little waves against the vessel wearied my ears. I was enjoying a man sized grouch against fate and the world in general. The murmur of conversation from the forward deck where Miss Tonneson, Borton and Danforth were seated did not help dispel my gloom.

Presently the door opened and Borton, grinning as usual, stuck his head in.

"Miss Tonneson ordered all hands forward: you're not an exception," he said.

"Sunlight makes my head ache," I growled.

"Balky as a mule, he confessed he was," Borton called back to those on deck.

"Bray a couple of times for us," he taunted grinning at me.

I swore under my breath and tried to continue reading.

"Not loud enough," he said. "Folks outside couldn't hear you. Bray again."

I swore some more, but arose and went to join them. Borton would have kept it up all the way to Jacksonville if I had not. It always is easier to do what he wants done.

WE FOUR sat on the little forward deck, Miss Tonneson in a steamer chair wrapped in a rug. Borton did most of the talking. Finally as the yacht was passing Doctors Inlet he stood up and stretched his big frame.

"Come on Dan," he said, "let's tramp a bit. I'm getting stiff. Need exercise. An hour in that turtle shell cramped my muscles."

I tried to signal him, but we were left alone. Roberta looked at me seriously but her eyes were smiling and a little mysty. I shifted uneasily.

"I'm afraid Mr Borton is right—about—about your mulishness," she said.

"I beg your pardon," I said stiffly. "I do not quite understand."

She made a little gurgling sound, her eyes danced and she broke into a nervous light laugh.

"Excuse me," she said, still laughing, "but you are SO funny when you try to be dignified. I'm going to have a fine time teasing you."

"I'm afraid there will not be much opportunity for indulging in that amusement," I replied, trying to smile. "I shall go through to New York—and I fear we will not meet often."

"Oh!" she exclaimed, her eyes widening as if in consternation "I—we—Aren't—?"

She hesitated, and flushed as if confused. For an instant she said nothing, then she spoke naturally; or unnaturally naturally as only she can do.

"What was it you were saying about 'now that you are poor' yesterday when the telegram came?" she asked.

She dropped her eyes demurely and looked innocent. I stared at her.

Her eyes refused to meet mine and she seemed to be gazing guilelessly at the river.

"Roberta Lee Tonneson," I demanded sternly, "are you deliberately trying to goad me into proposing to you—when you know you are rich—and that I'm a poor dub of a reporter—"

"Well," she said, her voice shaking, "if a man is such a big goose, he will not tell a girl he—he—he loves her just because of some hateful money—"

"Oh Wen, don't! Not now. The man at the wheel may see—"

But I did. Just then Borton came around the corner of the wheel house talking to Danforth.

"Yet his ears do not show any signs of getting longer," he said as if to his companion. "In fact he sometimes shows signs of intelligence."

He grinned his most maddening grin as he swung the little detective about face and marched him back along the deck.

Just for that I had a notion not to ask him to be our best man this fall were it not for the fact Bob (that is Miss Tonneson) insists upon it, and her word is law. He'll be grinning when we are at the altar.

THE END

NEW FLOATING WRMU

(Continued from page 4)

cester, Massachusetts; the triangular event from Sheepshead Bay Yacht club-Jones Inlet-Scotland Light Ship, and various events near Philadelphia in conjunction with the Sesquicentennial celebration.

"To cover these feature events, the new MU-1, with Station WRMU built for greater efficiency and range, will be ready to serve the aquatic sport loving broadcast listeners.

"The marine broadcasting station WRMU was the first and is the only broadcast transmitter of this type in the country at the present time. It has done much to delight the sport world by covering events which heretofore it has been impossible to broadcast.

"The broadcasting apparatus for this work has been carefully designed incorporating features not found in the equipment on last year's yacht and from the experience obtained it has made possible the construction of equipment many times more efficient and powerful. Rugged features so necessary for marine installation, plus refinements for high quality broadcast transmission, have been incorporated. The transmitter has been designed with greater power output than that which ordinarily will be used to insure reliable transmission over good distances under extremely adverse conditions."

Thus the MU-1 takes its place in the magic procession, one more phase in the attainment of speed in gathering and conveying news to a waiting world. The pageant moves on. What will the next step show? Out of the limbo of mystic future it is being moulded. Fame and Fortune hold a crown.

OLD JUDGE LIKES WSM

(Continued from page 5)

sleep and drinking black coffee to keep him awake. His voice range with pathos as he told of the afflictions the tornado had wrought in the homes of hundreds of families and at the close of the Radio relief drive, WLS had raised more than a quarter of a million dollars.

But a few months ago, Hay's longing for the Southland caused him to return to Tennessee and he accepted the position of director and chief announcer of WSM. Although Hay is known everywhere as "The Solemn Old Judge," because of the quaint dialect stories he wrote for the Commercial Appeal under that name, he is really a most personable young man, with clear-cut features and eyes that show he is thinking about people, as well as Radio and that he never fails to find a lot of fun in everything that anyone else does.

Hay's popularity is not due alone to his originality and human appeal. His favorite slogan, "Broadcast personality plus a smile, if you would win your way into the hearts of a Radio audience," tells the rest of the story. It helped him win the first annual Radio Digest cup award as the most popular announcer in 1924, presented to him at the first Radio World's Fair in Madison Square Garden, New York city, and it is what makes him popular with the Radio fans now who listen in on WSM. Hay has his third whistle—a steamboat "tooter" which he calls "Old Hickory" for Andrew Jackson and Nashville.

* * * *

Our next WSM contribution is by Mr. Hay, himself. You can fairly hear his voice passing on these observations about his associate director, Mr. Jack Keefe, especially famed as a sports announcer but no relation to the big leaguer by the same name made famous by Ring Lardner.

* * * *

Judge Hay Introducing Jack Keefe

Jack Keefe, one of Nashville's most popular young men, combines with his daily practice of the ancient profession of law the gentle art of the newest profession, that of Radio announcing and entertaining.

Mr. Keefe has made thousands of friends since he began his career at WSM, the station owned and operated by the National Life and Accident Insurance company of Nashville, Tennessee. He is one of the most versatile men in the Radio game today. Here is a little background of his career:

After graduating from Harvard university, he held a chamber of commerce position in the West. His ability to make friends proved a great asset to him. Even in the early days of his career, the call of the stage soon caused him to enter that profession, in which he was engaged for many years. Mr. Keefe also served as a chemist before taking up the study of law.

His handling of the microphone during the football season was very unusual. His running fire descriptions of the Vanderbilt games brought much favorable mention from the Radio fans of the South.

Very often when he is not announcing, he steps up to the piano and sings a group

(Continued on page 29)

22½ Volt un-acid everlasting rechargeable **"B" STORAGE BATTERY** **$2.95** Includes Chemical

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.....

OLD JUDGE LIKES WSM

(Continued from page 28)

of character songs which prove to be one of the big drawing cards of the WSM programs.

* * * *

Judge Hay Presenting Uncle Dave

"Whoop 'em up Cindy, and cook that possum brown, 'cause Old Dan Tucker is comin' to the log cabin in the lane, and we'll bile the cabbage down."

Uncle Dave Macon has been pickin' the banjo for nearly a half-century. His programs in the studio of WSM, the National Life and Accident Insurance company's station, Nashville, Tennessee, include the old-time songs of the South, still very much beloved by the older generation, and interesting to the younger people who listen to the barn dance programs on Saturday night. Uncle Dave is one of the many picturesque characters of the Tennessee hills.

From his farm every fall after the harvest, goes Uncle Dave with three banjos tucked under his arm, his wide-brimmed, soft, felt hat, chin whiskers and side burns, the veritable wandering minstrel. He sings and plays at the cross-roads and in the theaters. If he has an enemy in the world he doesn't know it. At any rate, he radiates sunshine and good will. Uncle Dave has been a big feature of the programs broadcast by WSM during the past winter.

Born on a farm in Warren County, Tennessee, in 1870, he learned the tunes of the darkies. When he was thirteen his parents moved to Nashville where his father bought the old Broadway hotel, famous during the Civil war, which catered to troupers and theatrical folk. Added to his native ability to sing and plunk the banjo, came training from wandering minstrels.

In 1884, Sam Jones held a tent meeting at Eighth and Broadway; then came Sam McFlynn with a ten-cent circus. There were twenty-eight men and four women in the company and they all put up at the Broadway hotel. In the company was one Joel Davidson. Uncle Dave, who was then referred to as Davie, was immediately struck with the idea of the minstrelsy. His mother bought him a banjo and he started out. While his avocation has been entertainment, he has made good as a farmer and operates a model place in Rutherford County, Tennessee. Being a born minstrel, he cannot refrain from singing and playing whenever the spirit moves him. He has appeared in some of the large theaters of the South and lately has been doing a great deal of broadcasting.

* * * *

"Mr. Tom Parkes—"

"Let's put the old pile of iron on the air and let her ride," says Tom Parkes as he refills his pipe at 7 o'clock every evening in the station of WSM, the National Life and Accident Insurance company's station, Nashville, Tennessee.

Tom has had wide experience in Radio and has brought that training to WSM where he serves as chief engineer. He has been around the world many times as a Radio operator on merchant ships. He is thoroughly familiar with Radio as it has developed today. Through his efforts and constant care WSM has remained on the air without a single break for the first seven months in its history.

"SURE FIRE STUFF"

(Continued from page 8)

FOR such an expert dancer, Sheila Shambaugh seemed in many ways quite foreign to the stage. Few words from the vaudeville dictionary came readily to her tongue, and there was an innate refinement about her that spoke subtly of other things.

Johnny Clavering was in no sense a woman's man. He had followed a set policy to "let 'em alone." Matrimonial entanglements had wrecked too many professional careers, he knew, and long since he had made up his mind to steer clear of the shoals. A good pal—yes, he'd be that to any nice girl; but when cupid began to hover around Johnny sought the first opportunity to make his get-away.

But in all his career he had never met a girl just like Sheila Shambaugh. A desultory conversation finally resolved itself into but an occasional remark, and before the end of the meal silence reigned supreme.

Johnny paid the check and helped Sheila on with her wrap. "Now I'll call a taxi and take you to your hotel."

"No—please!" she protested.

"No trouble; plenty of time; the night is young."

"It's impossible—that is—I—I am staying but a short distance away—and I'll enjoy the walk."

"Then I'll walk with you," he persisted as they went outside.

"Mr. Clavering, please do not force me to be rude. I've enjoyed the lunch immensely. It was nice of you to bring me out." She extended her hand. "Good night."

Johnny watched her trim figure until it turned the corner a half-block down the street. Then he snorted:

"They're all alike. Peeved at you if you please 'em; peeved at you if you don't. That's the so-called gentler sex in a nutshell. Well, give me peace—peace at any price!"

After that Sheila avoided Johnny except when they chanced to meet back stage. Once or twice he noticed little things about her act that could be improved, and stopped long enough to offer suggestions. She yielded to these overtures, was apparently agreeable and thankful—but the note of frigidity always intruded itself, if ever so slightly.

ONE evening Johnny left the theater at the same time as the Great Ganton, magician, whose act followed Johnny's and closed the bill. "I notice you've taken quite an interest in the Shambaugh kid," he said as they walked up the street.

"Oh, I've made a suggestion or two," Johnny returned, not anxious to pursue the subject.

"I'm glad of that. I guess she needs all the help she can get."

"What do you mean, Ganton?"

The magician raised his eyebrows in mild surprise. "Oh, I thought you knew. She's supporting an invalid husband—at least, so I've been told."

"Is that right? No; I hadn't heard."

"The story is that they were doing a double on the small time. Called themselves the Dancing Shambaughs. He was an acrobatic stepper and a clever one; lots of new stuff. They were grooming the act for the big time, when Bobby came out of an automobile crash with a broken hip. Been laid up ever since, and doubtful if he'll ever walk again, much less dance. It's a tough game sometimes, Johnny."

"Yes; it is."

The end of the week drew near. Johnny was descending to his dressing room after the Saturday matinee. It had been an unusually cold audience. He had worked hard and was perspiring freely when he came off.

The passage between the dressing rooms downstairs was deserted. Ganton was upstairs doing his act. As Johnny was passing No. 5 he heard voices. The door was closed, but the transom was open. Blended with Sheila's shrill notes was a man's bass tones. Johnny stopped and listened. Yes, there was no mistaking that voice; it could belong but to one individual—Barnes Jadwyn.

"YOU'RE a sensible girl and you're not going to pass up a chance like this," he heard the agent say.

"I'd like to head your act, Mr. Jadwyn—but I can't—I just can't do what you ask of me," came Sheila's voice in protest.

Once Johnny's hand was almost on the knob. Then he shook his head and started on. None of his affair. He couldn't afford to play knight errant to every girl who crossed his path. Too many of them; and, anyway, the girl must sooner or later learn that vaudeville was a rough road for those not "in the know."

"I'll leave you to think it over; but I must have a positive answer by Tuesday night," he heard Jadwyn say.

A sudden ruse occurred to Johnny. He hurried back to the end of the passage, waited until the door of No. 5 went shut, then turned the corner in time to meet Jadwyn in the passage.

"Hello, Johnny Clavering!" was the agent's effusive greeting.

"Howdy, Jadwyn!"

"Understand you're the usual riot here this week." Soft soap. Jadwyn's stock in trade.

The agent was a man of forty-five or more, but looked younger, his careful grooming giving him the appearance associated with youth. His face was smooth shaven, and on close inspection lines of dissipation showed under the eyes and chin.

Johnny's eyes narrowed slightly. "What brings you here? Some of your artists on this bill?"

"Oh, yes—Sheila Shambaugh." Jadwyn winked. "Clever girl, eh, boy, what?" He gave Johnny a playful dig in the ribs.

Johnny's first impulse was to hand the agent a clip behind the ear. But that would only defeat his purpose. So he hid his resentment under his usual smile as he replied:

"Clever is right. If she keeps on at this gait, some production manager will be snapping her up."

"They may try, Johnny, but they'll not

(Continued on page 30)

YOUR receiver, whether it is an old model or the very latest type, can be improved by the installation of a high quality B-Power unit.
Everyone realizes the advantage of reliable B-Power, but few have the facilities or the time to select the right B-Power unit from the scores that are now offered.
The Raytheon Laboratories have simplified the choice. By selecting and approving only those that pass certain minimum requirements, we have made it possible for the radio owner to select his unit from a few good ones, rather than from a hundred of doubtful value.
Raytheon B-Power units are now made in a variety of styles that satisfy the needs of every receiver, and meet the approval of every pocketbook. Your dealer will recommend a Raytheon B-Power unit best suited to your needs. Raytheon spells reliable reception.

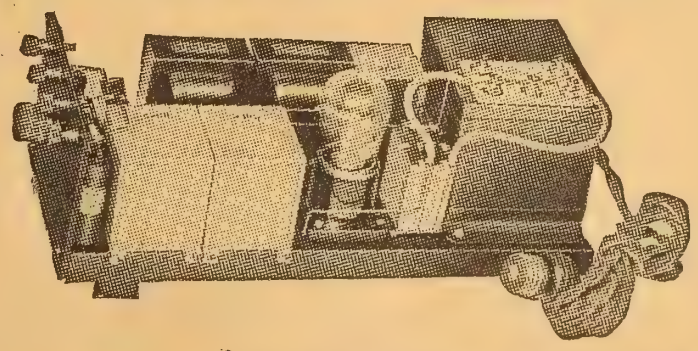
RAYTHEON, TYPE B, *is a non-filament rectifier of ample capacity to eliminate B-Batteries on even the largest ten-tube set.*

RAYTHEON B-POWER *units are manufactured by Companies selected for their excellent engineering and production facilities.*

RAYTHEON MANUFACTURING COMPANY, Cambridge, Mass.

RAYTHEON

Reserve Power!



TRANSFORMER
R-195
Price
$7.00

30 HENRY CHOKE
R-196
Price
$5.00

THORDARSON

B-ELIMINATOR PARTS

The singer who exerts every last ounce of energy invariably makes his effort manifest in thin, strained tones.

The tubes are the larynx of your radio set. Unless they receive a sufficient and constant supply of energy the set will be faulty in its reproduction.

A B-supply built with Thordarson transformers and chokes will give you that reserve power so essential to good reproduction. Supplies a constant voltage to the plate regardless of the current drain. Sufficient voltage to operate power tubes UX 112 and 171. Actually eliminates the noises and distortion resulting from faulty B batteries.

Complete assembly instructions furnished with every transformer.

For sale at all good dealers or by mail.

THORDARSON ELECTRIC MANUFACTURING CO.
Transformer specialists since 1895
WORLD'S OLDEST AND LARGEST EXCLUSIVE TRANSFORMER MAKERS
Chicago, U.S.A.

CLASSIFIED ADVERTISEMENTS

HOW about that new set you want to buy? What are you going to do with the old one? A Radio Digest classified advertisement will sell it for you.

Rates are twenty cents a word for each insertion. Five per cent discount for four insertions, 10 per cent discount for six insertions, 15 per cent discount for twelve insertions, 20 per cent discount for twenty-four insertions (each issue for 1 year). Name and address are counted. Two initials count one word. Cash must accompany order. Minimum of ten words. Objectionable and misleading advertisements not accepted.

Copy reaching us not later than July 12 will be in time for our August 1 issue.

BLUE PRINTS

NO MORE BATTERIES—Build "A" and "B" eliminator—operates any set on AC or DC, no hum, satisfaction guaranteed. Complete plans, $2. Engineers' Service Company, 25 Church St., New York.

Portable Super-Het Actual Size Template for 8-tube Super using 199 type tubes. Complete building instructions appearing in First and Second June issues of Radio Digest. 25 cents for template—30 cents for copies containing instructions. Book Dept., Radio Digest, 510 North Dearborn Street, Chicago.

Complete instructions for building the Simplest Possible Super-Het. 16-page booklet containing instructions for building and an exact size template for drilling panel and base. How to build a loop. 35 cents. Book Dept., Radio Digest, 510 N. Dearborn St., Chicago.

We still have a limited number of the actual size templates and blue prints for the following sets which have been described in Radio Digest; Super-Torodyne, 8-tube super-het; Fireside, 6-tube radio frequency; Grand Prix, 8-tube super-het; Counterphase, 6-tube radio frequency; DX Seven, 7-tube super; 4 Filter Super and the Straight-8, an eight tube super-het. Each set, 25 cents. Book Department, Radio Digest, 510 N. Dearborn St., Chicago.

DOGS

Beautiful registered bull pups, $15. Bulldogs, 501 Rockwood, Dallas, Texas.

FOR SALE OR EXCHANGE

Have about $100 of radio apparatus. Will exchange or sell. What have you? E. H. Ives, 2625 Hollywood Ave., Chicago.

FOR SALE

Here is your opportunity to obtain a real good buy on ¼-HP, 110-volt, 60-cycle, single phase, AC, enclosed dust proof new electric grinders and buffers, 6-inch emery wheel on one side and 6-inch buffer on the other, with cord and plug, at a low price of $15.75 each. Special price on brand new 1-KW or 1000-Watt, 32-volt, 1150 speed, late design, Westinghouse light and power generators with pulley, ready to run at $48.00 each. Largest dealers in new and used motors and generators in the Northwest. Send us your inquiries. General Distributing Co., Security Storage Bldg., Duluth, Minn.

MISCELLANEOUS

Photos of Your Favorite Radio Stars. Ten cents and coupon appearing on another page of this issue will entitle you to one of the photos from Radio Digest gallery of stars. Radio Digest, 510 North Dearborn Street, Chicago.

PATENT ATTORNEYS

PATENT ATTORNEYS

PATENTS. Booklet free. Highest references. Best results. WATSON E. COLEMAN, Patent Lawyer, 644 G Street, Washington, D. C.

RADIO

600 Mile Radio $2.95. 200,000 satisfied customers already. Don't require any batteries nor tubes. Write today. Picture and particulars Free. Crystal Radio Company, Wichita, Kansas.

All makes radios bought and sold. Gilbert Terrell, Hapersfield, N. Y.

Closing out all of my Radio stock. 200-ohm potentiometer with sliver knob and dial, 10 cents; Howard rheostats 6½, 6¾ or 25-ohm, 75 cents; Filkostats, 50 cents; set eight lettered binding posts, 25 cents; variable condensers with dial and vernier, 13-plate, $1; 23-plate, $1.50; 4-inch black dials, 3—50 cents; 3-inch, 3—35 cents. Bronsteins Pharmacy, 4600 Lincoln Ave., Chicago.

"SURE-FIRE STUFF"

(Continued from page 29)

succeed. Got her sewed up tight. Contract! For two years. I know talent when I see it."

"You must be getting something besides the usual percentage?"

Proud little Sheila, too independent to let her friend know the heavy financial strain that kept her spirits down, began to feel the web of Spider Jadwin winding about her. Her unapproachable manner made it impossible for Johnny to understand the situation. The story ends next week and Bobby will give you a surprise.

OLD STATIC'S FUNERAL

(Continued from page 10)

aerial which we are about to construct, comprises approximately a sheet of No. 10 gauge copper 3 by 2 feet planted 3 to 4 feet underground and as close to the building housing the receiver as possible. In digging the hole leave ample room in its dimensions so that a good job of tamping the earth may be done when the hole is filled again. Prepare a salt solution containing about two pounds of salt in a bucket of water, and in this dissolve shredded bits of newspapers until the entire mass is a pulpy, semi-thick mass. Next place a sheet of building paper in the bottom of the hole and allow it to lap toward the top 6 to 10 inches. Over this paper place the newspaper mixture to a depth of about 3 inches. Upon this mixture is laid the copper plate to which has previously been soldered the connecting wire which goes to the antenna post of the receiver. With the plate in place another 3-inch covering of the newspaper mixture is laid and over this is covered a layer of building paper. The hole is now ready to be filled, and it is important in filling that the earth be kept moist so that it can be packed quite solid.

The connecting wire should be lead-covered cable, encasing a single strand of No. 12 or 14 solid copper wire, this wire being rubber insulated from its lead sheath. This may be procured from most dealers in electrical supplies or they will secure it from the jobber for you.

Your present antenna should now be disconnected and the wire from the underground sheet connected to the antenna post of the receiver. The diagrammatic view also shows a ground connection which can be the present ground you are using, although in most cases one will find that no ground will be needed with the underground antenna connected to the receiver. In other words, the ground post of your receiver need possibly have no connection made to it. With some makes of receivers better results will be had if the underground antenna lead-in is connected to a .0001 mfd. fixed condenser and the remaining terminal of the fixed condenser attached to the antenna post of the receiver.

Of all of the underground schemes tried, the one described here has proven generally most satisfactory, but in conclusion I would not be fair did I not caution you that neither success nor failure can be promised in advance. Soil conditions, magnetic earth currents, and the type of receiver used and its efficiency have much effect on the degree of your success. The author has given to you the benefit of others' experiments as well as his own research, and giving all is the most anyone can do.

R.R. IS FOR TRAVELERS

(Continued from page 7)

announcements as compared with the former method, which involved train callers who used megaphones. When it became apparent, as the result of experiment, that greatly improved service could be provided for travelers, arrangements were made immediately to install a regular broadcasting apparatus. Instead of being hooked up with an aerial, like a Radio broadcasting station, this equipment is connected by wires with the various loud speakers throughout the station.

The chief features of the apparatus are a microphone, amplifying mechanism, and a total of twenty-seven loud speakers, which are distributed in clusters on four pillars in the concourse and also in the waiting rooms and the dining room. A special compartment, glass-enclosed and containing the microphone and other necessary transmission apparatus, was built for the announcer between the doors to the main waiting room in the center of the concourse. The apparatus builds up and amplifies the human voice and, as a result, the announcer's words can be heard distinctly in the concourse and in all other parts of the station covered by loud speakers.

Although the use of the broadcasting system for train announcing is an innovation in itself, a popular feature in regard to the way it is used also has been developed. The announcer does more than merely recite the time table.

He "talks to the public" immediately following the announcement of specific trains, and in addition broadcasts weather reports and news items relating to Pennsylvania Railroad affairs or to important current events.

He also frequently tells passengers boarding a particular train about historical places or scenic spots through which the train will pass. The announcer is constantly in touch with the chief dispatcher, and in case of interruptions in the service he immediately passes the information on to waiting patrons.

Besides, the announcer puts a personal or humorous touch in his remarks when the chance offers. A wedding party inspired this greeting: "To the bride and bridegroom at gate No. 12, about to start on their honeymoon, we extend our hearty congratulations. You are starting right in starting over the Pennsylvania Railroad. May your other journeys through life be made with the same wisdom."

The announcing system is in operation daily from 8 a. m. until midnight, and is under the general supervision of W. R. Jones, Station Master. J. O. Hackenburg, Superintendent of the Philadelphia Terminal Division, conceived the idea of broadcasting train announcements and put it into effect.

Improve Tube Manufacture

CHICAGO.—Recent laboratory investigations by the metallurgical laboratory of the Peoples Gas Light and Coke company, here, have resulted in a better Radio tube. The work done involves tubes in which the nickelplate in the grid of the tubes is degasified.

Nickel absorbs vagrant gases. When the necessary vacuum is pumped, the gases will come out of the nickel. This renders the tubes very unsatisfactory.

The gas company has perfected a process wherein these vagrant gases are driven out of the nickel before the vacuum is pumped. A hydrogen reduction furnace solved the problem.

The transmitting station of WJZ at Bound Brook, N. J., is entirely enclosed in a copper shield built into the walls so that energy radiating from the transmitter's oscillator and modulator tubes and circuits will not cause disturbance in neighboring receivers.

Yale GROUND HOG DOUBLES POWER AND DISTANCE

"The Perfect Ground"

Marvelous newly-invented ground gives 100% improved reception. Doubles power and distance. Stops leakage. Reduces static. Stops jangling even in mid-summer. Results never before equalled, users say. Satisfaction Guaranteed.

Proven absolutely essential to clear, powerful distance reception. Draws and holds moisture indefinitely. Highly sensitive to radio energy.

SEND NO MONEY—To introduce, we offer to those who act at once, regular $5.00 size for only $2.00. Send name today and pay $2.00 plus 17c postage on delivery. Or send only $2.00 with order and save postage. FREE—Full description of Ground Hog and big money making agent's offer on request—write today.

Yale Specialty Supply Co.
123 W. 5th St., Kansas City, Mo.

YALE GROUND HOG

FOR CLEAR, QUIET "B" POWER

$2.75 for 6 Volts

RADIO Storage "B" Battery

12 Cells 24 Volts *Lasts Indefinitely—Pays for Itself*

Economy and performance unheard of before. Recharged at a negligible cost. Delivers unfailing power that is clear, pure and quiet. Approved and listed as Standard by leading Radio Authorities, including Pop. Radio Laboratories, Pop. Sci. Inst. Standards, Radio News Lab., Lefax, Inc., and other important institutions. Equipped with *Solid Rubber Case*, an insurance against acid and leakage. Extra heavy glass jars. Heavy rugged plates. Order yours today!

SEND NO MONEY Just state number of batteries wanted and we will ship day order is received. **Extra offer:** 4 batteries in series (96 volts), $10.50. Pay expressman after examining batteries. 5 per cent discount for cash with order. Mail your order **now!**

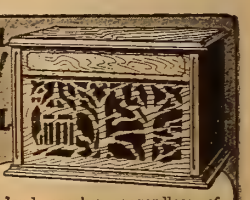
WORLD BATTERY COMPANY
1219 So. Wabash Ave., Dept. 76 Chicago, Ill.
Makers of the Famous World Radio "A" Storage Battery
Prices: 6-volt, 100 Amp. $11.25; 120 Amp. $13.25; 140 Amp. $14.00. All equipped with Solid Rubber Case.

World STORAGE BATTERIES

Set your Radio Dials at 210 meters for the new 1000 watt World Storage Battery Station, WSBC, Chicago. Watch for announcements.

KDKA · WEAF · WGN · WJZ · KHJ · KGO · KFAE · WJY · KOP

$15 for your old Loud Speaker! Famous $25 ADLER-ROYAL Now only $10.00



Your old loud speaker, regardless of make, condition or original cost, and only $10 buys this famous $25 Adler-Royal loud speaker. The Adler-Royal not only gives loud volume, but reflects delicate tones with perfect clearness. Adjustable unit. Life-like reproduction. Exquisite piano finish cabinet. Operates with any radio receiver using loud speaker. Fully guaranteed. Absolutely new. Shipped in original factory cases. Send us your old speaker, prepaid, NOW, and only $10, and get this newest, finest cabinet model reproducer. Send for bulletin of other bargains in nationally advertised radio apparatus.

Luxor Radio Co., Dept. 4, 38 Wooster St., New York

Beat the Summer Static

Use Your Radio as an Electric Phonograph

Results equal to the new high-priced Electric Phonographs now appearing on the market.

We tell you how to do it at a small cost. Send $1.00 for complete plans.

Mogle & McClelland
1024 MAIN, WINFIELD, KANSAS

A&B Battery Charger ONLY $2

Satisfaction Guaranteed

Charges any type of storage A or B battery, using a few cents worth of ordinary house current, either alternating or direct. Cannot injure battery. Complete instructions enclosed. Anyone can operate. No expensive "extras" to buy.

Why pay $10.00 to $15.00 for a charger when you can get this splendid GUARANTEED R. B. Charger by mailing us two dollars (bills, money order, check or stamps) plus ten cents in stamps or coin to pay mailing costs. Charger will be sent postpaid. If you are not satisfied, return within five days and we will refund your money. Order at once—TODAY.

R. B. SPECIALTY COMPANY
Dept. Y-I, 308 East Third Street, Cleveland, Ohio

Fred W. Stein.

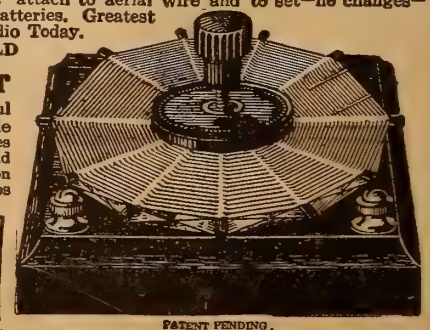
Steinite Low Loss Interference Eliminator

No Radio Set Complete Without It

Select stations at will. With music and voices crowding the air the average set fails to bring in the desired stations properly. The *Steinite Interference Eliminator* shuts out local and other interference. You get one station at a time, the one you want, and tune in loud and clear. Operates on any set—attach to aerial wire and to set—no changes—no extra tubes or batteries. Greatest Dollar Value in Radio Today.

OVER 300,000 SOLD

Improved Results With Tube or Crystal Try entirely at my risk the wonderful improvement this inexpensive little device will make in the reception of your set. Improves results on both crystal and tube sets that use any kind of aerial except loop antenna. Clears up reception wonderfully, increases volume, and partially absorbs static. ***MONEY-BACK GUARANTEE.***



PATENT PENDING.

Mfrs. Famous 1,500-Mi. Steinite 1-Tube set $6. Long distance Crystal Set, $6. Steinite Crystals, 50c—3 for $1. Write for complete illustrated literature on all Steinite Radio Products.

Put this interference eliminator on your set and note amazing improvement. No tools needed—install in a moments time. Connect with set and follow simple instructions. Money back promptly if not delighted. $1.00 postpaid anywhere in U. S. when cash with order.

$1 Postpaid If you are not delighted with results you get your dollar back

References: Exchange National Bank, Atchison Savings Bank. Order today—a dollar bill will do.

STEINITE LABORATORIES, 261 Radio Bldg., ATCHISON, KANSAS

Radiophone Broadcasting Stations

Corrected Every Issue—Part V

State, City, Call

Alabama:
Auburn, WAPI
Birmingham, WBRC
Montgomery, WIBZ

Arizona:
Flagstaff, KFXY
Phoenix, KFAD, KFCB

Arkansas:
Fayetteville, KUOA
Hot Springs National Park, KTHS

California:
Alma, KFQU
Avalon, KFWO
Bear Lake, KFXB
Berkeley, KRE
Burlingame, KFOB
Chico, KFWH
Fresno, KMJ
Hollywood, KFQZ, KFWB, KNX
Long Beach, KFON
Los Angeles, KFI, KFPR, KFSG, KHJ, KMTR, KNRC, KTBI
Oakland, KFUS, KFUU, KFWM, KGO, KLS, KLX, KTAB, KZM
Oxnard, KFYF
Pasadena, KPPC, KPSN
Sacramento, KFBK
San Diego, KFBC, KFSD
San Francisco, KFRC, KGTT, KJBS, KPO, KUO
San Jose, KFAF, KQW
San Pedro, KFVD
Santa Barbara, KFHJ
Santa Maria, KSMR
South San Francisco, KFWI
Stockton, KWG
San Bernardino, KFWC

Colorado:
Colorado Springs, KFUM, KFXF
Denver, KFEL, KFXJ, KFUP, KLZ, KOA
Greeley, KFKA
Gunnison, KFHA
Trinidad, KFBS

Connecticut:
Hartford, WTIC
New Haven, WDRC
Stores, WCAC

Delaware:
Wilmington, WDEL

District of Columbia:
Washington, WCAP, WMAL, WRC, WRHF

Florida:
Clearwater, WGHB
Fulford-by-the-Sea, WGBU
Jacksonville, WJAX
Miami, WQAM
Miami Beach, WIOD, WMBF
Pensacola, WCOA
St. Petersburg, WHBN, WJBB
Tampa, WDAE
Winter Park, WDBO

Georgia:
Atlanta, WDBE, WGST, WSB,
Macon, WMAZ
Savannah, WEBZ

Idaho:
Boise, KFAU, KFDD
Kellogg, KFEY

Illinois:
Batavia, WORD
Cambridge, WTAP
Carthage, WTAD

State, City, Call

Illinois (Continued)
Chicago, KYW, WAAF, WBBM, WBBZ, WBCN, WEBH, WENR, WFKB, WGN, WHBL, WHBM, WHT, WIBJ, WIBM, WIBO, WJAZ, WKBG, WLIB, WLS, WLTS, WMAQ, WMBB, WOK, WPCC, WQJ, WSAX, WSBC, WSWS
Decatur, WBAO, WJBL
Evanston, WEHS
Galesburg, WFBZ, WRAM
Harrisburg, WEBQ
Joliet, WCLS, WJBA, WKBB
La Salle, WJBC
Mooseheart, WJJD
Oak Park, WGES
Plainfield, WWAE
Rockford, KFLV
Rock Island, WHBF
Streator, WTAX
Sycamore, WJBN
Tuscola, WDZ
Urbana, WRM
Zion, WCBD

Indiana:
Anderson, WEBD, WHBU
Culver, WCMA
Evansville, WGBF
Fort Wayne, WHBJ, WOWO
Kokomo, WJAK
Indianapolis, WFBM
Laporte, WRAF
Logansport, WIBW
South Bend, WSBT
Seymour, WFBE
Valparaiso, WRBC
West Lafayette, WBAA

Iowa:
Ames, WOI
Anita, KFLZ
Boone, KFGQ
Burlington, WIAS
Cedar Rapids, KWCR, WJAM
Clarinda, KSO
Council Bluffs, KOIL
Davenport, WOC
Des Moines, WHO
Fort Dodge, KFJY
Iowa City, KFQP, WSUI
LeMars, KWUC
Marshalltown, KFJB
Muscatine, KTNT
Oskaloosa, KFHL
Shenandoah, KFNF, KMA
Sioux City, KFMR, WEAU

Kansas:
Independence, KFVG
Junction City, KFJC
Lawrence, KFKU
Manhattan, KSAC
Wichita, KFH, KFOT

Kentucky:
Louisville, WHAS, WLAP

Louisiana:
Kennonwood, KFDX, KWKH
New Orleans, WABZ, WBBS, WCBE, WJBO, WOWL, WSMB, WWL
Pineville, KFWU

Maine:
Bangor, WABI
Orono, WGBX
Portland, WCSH

Maryland:
Baltimore, WBAL, WCAO, WCBM, WFBR
Takoma Park, WBES

State, City, Call

Massachusetts:
Boston, WBZA, WEEI, WNAB, WNAC, WSSH
Fall River, WSAR, WTAB
Medford Hillside, WARC
New Bedford, WIBH, WNBH
South Dartmouth, WMAF
Springfield, WBZ
Taunton, WAIT
Webster, WKBE
Worcester, WTAG

Michigan:
Bay City, WSKC
Berrien Springs, WEMC
Dearborn, WWI
Detroit, WCX, WGHP, WJR, WMBC, WWJ
East Lansing, WKAR
Escanaba, WRAK
Flint, WFDF
Grand Rapids, WBDC, WOOD
Houghton, KFMW, WWAO
Lansing, WREO
Mt. Clemens, WABX
Owosso, WSMH
Petoskey, WBBP
Port Huron, WAFD
Royal Oak, WAGM
Ypsilanti, WJBK

Minnesota:
Collegeville, WFBJ
Fairmont, KFVN
Minneapolis, KFDZ, WAMD, WCCO, WDGY, WHDI, WLB, WRHM
Northfield, KFMX, WCAL
St. Cloud, WFAM
St. Paul, AV7, KFOY
Sihtipok, KIAF

Mississippi:
Coldwater, WREC
Oxford, WCBH

Missouri:
Cape Girardeau, KFVS
Carterville, KFPW
Columbia, KFRU
Independence, KLDS
Jefferson City, WOS
Kansas City, KWKC, WDAF WHB, WOQ
Kirksville, KFKZ
Moberly, KFFP
St. Louis, KFQA, KFUO, KFWF, KMOX, KSD, WEW, WIL, WMAY, WSBF
University City, KFVE

Montana:
Havre, KFBB
Missoula, KUOM

Nebraska:
Clay Center, KMMJ
David City, KFOR
Hastings, KFKX
Lincoln, KFAB, WFAV
Norfolk, WJAG
Oak, KFEQ
Omaha, KFOX, KOCH, WAAW, WNAL, WOAW
University Place, WCAJ

New Hampshire:
Laconia, WKAV

New Jersey:
Atlantic City, WHAR, WPG
Camden, WCAM
Elizabeth, WIBS
Gloucester City, WRAX
Lambertville, WTAZ
Newark, WAAM, WNJ, WOR
North Plainfield, WEAM
Paterson, WODA

State, City, Call

New Jersey (Continued)
Red Bank, WJBI
Trenton, WOAX

New Mexico:
Albuquerque, KFLR, KFVY
State College, KOB

New York:
Bay Shore, WRST
Buffalo, WEBR, WGR, WPDQ, WSVS
Canton, WCAD
Cazenovia, WMAC
Flushing, WIBI
Freeport, WGBB
Ithaca, WEAI
Jamestown, WOCL
Kingston, WDBZ
Lockport, WMAK
New York, WBBR, WBNY, WEAF, WEBJ, WFBH, WFRL, WGBS, WGCP, WHAP, WHN, WJY, WJZ, WLWL, WMCA, WMSG, WNYC, WOKO, WQAO, WRMU, WRNY, WSDA
Richmond Hill, WAHG, WBOQ, WGMU
Rochester, WABO, WHAM, WHEC
Schenectady, WGY
Syracuse, WFBL
Tarrytown, WRW
Tondi, WONK
Troy, WHAZ
Utica, WIBX

North Carolina:
Asheville, WABC
Charlotte, WBT, WJBG
Fort Bragg, AT9
Greensboro, WNRC
Raleigh, WRCO

North Dakota:
Bismarck, KFYR
Devils Lake, KDLR
Fargo, WDAY, WPAK
Grand Forks, KFJM

Ohio:
Akron, WADC
Bellefontaine, WHBD
Canton, AQ6, WHBC
Cincinnati, WAAD, WKRC, WLW, WSAI
Cleveland, WDBK, WEAR, WHK, WTAM
Columbus, WAIU, WEAO, WMAN
Dayton, AW5, WSMK
Hamilton, WRK, WSRO
Pomeroy, WSAZ
Springfield, WCSO
Toledo, WABR, WTAL
Wooster, WABW
Yellow Springs, WRAV

Oklahoma:
Bristow, KVOO
Chickasha, KOCW
Norman, WNAD
Oklahoma City, KFJF, KFXR, WKY
Tulsa, WLAL

Oregon:
Astoria, KFJI
Corvallis, KOAC
Portland, KFEC, KFIF, KFJR, KFWV, KGW, KOIN, KTBR

Pennsylvania:
Allentown, WCBA, WSAN
Altoona, WFBG
Elkins Park, WIBG

State, City, Call

Pennsylvania (Continued)
Grove City, WSAJ
Harrisburg, WABB, WBAK, WHBG, WPRC
Haverford, WABQ
Johnstown, WHBP
Lancaster, WGAL
Lewisburg, WJBU
Oil City, WHBA
Parkesburg, WQAA
Philadelphia, WABY, WCAU, WFI, WHBW, WIAD, WIP, WLIT, WNAT, WOO
Pittsburgh, KDKA, KQV, WCAE, WJAS
Reading, WRAW
Scranton, WGBI, WQAN
State College, WPSC
Wilkes-Barre, WBAX, WBRE

Rhode Island:
Cranston, WDWF
Providence, WCBR, WCWS, WEAN, WJAR, WLSI

South Carolina:
Charleston, WBBY

South Dakota:
Brookings, KFDY
Rapid City, WCAT
Vermillion, KUSD
Yankton, WNAX

Tennessee:
Chattanooga, WDOD
Knoxville, WFBC, WNOX
Lawrenceburg, WOAN
Memphis, WGBC, WHBQ, WMC
Nashville, WBAW, WDAD, WSM

Texas:
Amarillo, WDAG, WQAC
Austin, KUT
Beaumont, KFDM
Beeville, KFRB
Brownsville, KWWG
College Station, WTAW
Dallas, WFAA, WRR
Dublin, KFPL
El Paso, KFXH, WDAH
Fort Worth, KFQB, KFJZ, WBAP
Galveston, KFLX, KFUL
Greenville, KFPM
Houston, KFVI, KFYJ, KPRC
San Antonio, WCAR, WOAI
San Benito, KFLU
Texarkana, KFYO
Waco, WJAD

Utah:
Logan, KFXD
Ogden, KFUR, KFWA
Salt Lake City, KDYL, KFOO, KFUT, KSL

Vermont:
Burlington, WCAX
Springfield, WQAE

Virginia:
Norfolk, WBBW, WTAR
Radio, NAA
Richmond, WBBL, WRVA
Roanoke, WDBJ

Washington:
Everett, KFBL
Lacey, KGY
North Bend, KFQW
Olympia, KFRW
Pullman, KWSC
Seattle, KFOA, KJR, KOMO, KTW
Spokane, KFIO, KFPY, KHQ
Tacoma, KMO
Walla Walla, KOWW
Yakima KFIQ

State, City, Call

West Virginia:
Weirton, WIBR

Wisconsin:
Beloit, WEBW
Camp Lake, WCLO
Eau Claire, WTAQ
Fond du Lac, KFIZ
Madison, WHA, WIBA
Marshfield, WGBR
Milwaukee, WHAD, WKAF, WSOE
Omro, WJBR
Poynette, WIBU
Sisiht, WBAR
Stevens Point, WLBL
Superior, WEBC
West De Pere, WHBY

Wyoming:
Laramie, KFBU

Alaska:
Anchorage, KFQD
Juneau, KFIU

Hawaii:
Honolulu, KGU

Philippine Islands:
Baguio, KZUY
Manila, KZIB, KZKZ, KZRQ

Porto Rico:
San Juan, WKAQ

Canada:
Burketon Junction, CKCW
Burnaby, CJKC
Calgary, CFAC, CFCN, CNRC
Charlottetown, CFCY
Edmonton, CFCK, CJCA, CNRE
Hamilton, CFCU, CHCS, CKOC
Iroquois Falls, CFCH
Kingston, CFMC, CFRC
London, CJGC
Moncton, CNRA
Montreal, CFCF, CHYC, CKAC, CNRM
New Westminster, CFXC, CFYC
Ottawa, CHXC, CKCO, CNRO
Regina, CHWC, CKCK, CNRR
Saskatoon, CFQC, CHUC, CJWC, CNRS
Thorold, CFKC
Toronto, CFCA, CHIC, CHNC, CJBC, CJCD, CJSC, CJYC, CKCL, CKNC, CNRT
Unity, CHSC
Vancouver, CFCQ, CFDC, CKCD, CKFC, CNRV
Victoria, CFCT
Winnipeg, CKY, CNRW

Cuba:
Camaguey, 6YR, 7AZ, 7BY, 7CX, 7DW, 7SR
Santa Clara, 6BY, 6DW, 6EV, 6GR, 6GT, 6HS, 6JQ
Colon, 5EV
Havana, PWX, Q2LC, 1AZ, 2AB, 2BB, 2BY, 2CG, 2CX, 2EP, 2HP, 2JL, 2JP, 2LR, 2MG, 2MK, 2OK, 2OL, 2PK, 2RK, 2RM, 2RY, 2SZ, 2TW, 2UF, 2WW, 2XX
Mantanzas, 5AZ, 5BY
Santiago, 8AZ, 8BY, 8FU, 8IR, 8JQ
Tuinucu, 6XJ, 6KW

Mexico:
Chihuahua, CZF
Mazatlan, CYR
Mexico City, CYA, CYB, CYG, CYH, CYL, CYX, CYZ, CZA, CZE, XDA
Monterey, CYS
Oaxaca, CYF

STATION SCHEDULES

(Continued from last issue)

CHIC, Toronto, Can. 356.9m-840kc. 500 watts. Northern Electric Company, Ltd. Announcer, R. W. Lowman. Mon, 8-10 pm. Sat, 10-12 mid. Sun, 5-6 pm. Eastern daylight.

CHNC, Toronto, Can. 356.9m-840kc. 750 watts. Toronto Radio Research society.

CHSC, Unity, Sask., Can. 356.9m-840kc. 250 watts. Horace N. Stovin. Slogan, "A Good Town in a Good District." Daily ex Sun, 5-6:30 pm. Wed, 8-12 mid. Sun, 9-10:30 pm. Mountain.

CHUC, Saskatoon, Sask., Can. 329.5m-910kc. 50 watts. International Bible Students' association. Announcer, G. B. Nash. Tues, Thurs, 8-10 pm. Sun, 8:30-10:30 pm.

CHWC, Regina, Sask, Can. 296.9m-1010kc. H. Williams & Co.

CHXC, Ottawa, Ont., Can. 434.5m-690kc. 250 watts. J. R. Booth, Jr. Fri, 8:30-1 am.

CHYC, Montreal, Que., Can. 410.7m-730kc. 850 watts. Northern Elec. Co., Ltd. Announcer, N. S. Richards. Wed, 7-8 pm, 8:30. Sun, 11 am, 7 pm. CNRM programs occasionally. Eastern daylight.

CJBC, Toronto, Can. 356.9m-840kc. Jarvis St. Baptist Church.

CJCA, Edmonton, Alta., Can. 516.9m-580kc. 500 watts. Edmonton Journal, Ltd. Announcer, R. A. Rice. Slogan: "The Sunniest Spot in Sunny Alberta." Daily ex Sun, 12:30 pm, news, markets. Thurs, 6-8 pm. Mon, Tues, Wed, Sat, 7:30-8 pm. Mon, 8:30-10 pm. Wed, 9-11 pm. Sat, 10-12 mid. Sun, 7:30-9 pm. Mountain.

CJCD, Toronto, Ont., Can. 356.9m-580kc. 50 watts. The T. Eaton Co., Ltd.

CJGC, London, Ont., Can. 329.5m-910kc. 1,000 watts. London Free Press. Daily ex Sun, 1-2 pm, stocks, music. Tues, Wed, Thurs, Fri, 7-9 pm. Fri, 11-12 midnight. Sun, 11 am, 1-3 pm, 7, church services. Eastern.

CJKC, Burnaby, B. C., Can. 410.7m-730kc. 500 watts. Pyramid Temple society.

CJSC, Toronto, Can. 356.9m-840kc. 500 watts. The Evening Telegram.

CJWC, Saskatoon, Sask., Can. 329.5m-910kc. 250 watts. Wheaton Elec. Co. Announcer, M. Bowes. Daily ex Sun, 12-1 pm. Mon, 8-10. Tues, Thurs, 6-7 pm, dinner. Slogan, "The Voice of Saskatoon." Mountain.

CJYC, Toronto, Can. 291.1m-1030kc. 500 watts. De-Forest Radio Corp., Ltd.

CKAC, Montreal, Que., Can. 410.7m-730kc. 3,300 watts. La Presse. Announcer, Jacques Cartier. Mon, Wed, Fri, 1:45 pm, orchestra. Daily ex Sat, 4 pm, weather, markets, stocks, reports. Tues, Sat, 7 pm, safety talks; 10:30, dance. Sun, 2:45 pm, Capitol theater; 4:30, first three Thurs of month, CNRM. Last Thurs, Frontenac Breweries studio. Eastern.

CKCD, Vancouver, B. C., Can. 410.7m-730kc. 750 watts. Vancouver Daily Province. Announcer, William Rose. Slogan, "Canada's Western Gateway." Daily ex Sun, 8:30-9:30 pm, music, news, entertainment. Pacific.

CKCK, Regina, Sask., Can. 312.3m-960kc. 500 watts. Leader Pub. Co. Announcer, A. W. Hooper. "The Queen City of the West." Daily ex Sat, Sun, Tues, 9:45-10:30 am; 12:15-1 pm; 7:30-8:15, music, news, markets. Tues, 9:45-10:30 am; 12:15-1 pm; (CNRR) 7:30-9:30 pm. Sat, 9:45-10:30 am; 12:15-1 pm. Sun, 8 pm, service. Mountain.

CKCL, Toronto, Can. 356.9m-840kc. 5,000 watts. The Dominion Battery Co., Ltd.; Daily ex Sat, Sun, 10:30 am, 10:58, time. Mon, Wed, Fri, 7 am, 7:15, 7:45, exercises; Mon, 11:20 am, markets; 3:30-4:30 pm. Tues, 3-4:15 pm, 7-11:50. Wed, 11:20 am, 3-3:30 pm. Thurs, 3-4:30 pm. Fri, 11 am, 11:20, markets; 3:15-4:30 pm. Sat, 7-8 pm. Sun, 3-4 pm. Eastern.

CKCO, Ottawa, Ont., Can. 434.5m-690kc. 100 watts. Dr. G. M. Geldert (Ottawa Radio Assn.) Announcer, Dr. O. K. Gibson. Slogans, "Ottawa's Radio Voice." "The Community Voice of Canada's Capital." Tues, 8-10 pm. Sun, 7 pm, services; 9, sacred concert. Eastern.

CKCW, Burketon Junction, Ont., Can. 329.5m-910kc. 5,000 watts. Canadian Broadcasting Corp.

CKFC, Vancouver, B. C., Can. 410.7m-730kc. 50 watts. United Churches of Canada.

CKNC, Toronto, Ont., Can. 356.9m-840kc. 750 watts. Canadian National Carbon Co., Ltd. Mon, 8-12 mid. Thurs, 8-10 pm. Eastern.

CKOC, Hamilton, Ont., Can. 340.7m-880kc. 50 watts. Wentworth Radio Supply Co., Ltd. Announcer, F. May. Slogan: "In the Garden of Canada." Mon, Sat, 6:15-7:15 pm, organ. Tues, Wed, Thurs, 5:30-6:30 pm. Fri, 6-7 pm. Sat, 4:30-5:30 pm. Sun, 2-3 pm. Eastern.

CKY, Winnipeg, Man., Can. 384.4m-780kc. 500 watts. Manitoba Tel. System. Announcer, D. R. P. Coats. Slogan, "Manitoba's Own Station." Daily ex Sun, 10:50-11 am, time, weather; 12:30-1:30 pm, music, markets, lectures; 4-5, music, news, kiddies story. Mon, Thurs, Sat, 8:30 pm, lecture; 9, music. Wed, 8:30 pm, CNRW program. Sun, 7 pm. Central.

CNRA, Moncton, N. B., Can. 312.3m-960kc. 500 watts. Canadian National Railways. Announcer, W. V. George. Slogan, "Voice of the Maritimes." Daily ex Sun, 2:45-3:45 pm. Tues, 7:30 pm. Fri, 9 pm. Atlantic.

CNRC, Calgary, Alta., Can. 435.8m-688kc. 750 watts. Canadian National Railways. Thurs, 7 pm, bedtime story; 9-11. Mountain.

CNRE, Edmonton, Alta., Can. 516.9m-580kc. 500 watts. Canadian National Railways. Fri, 7:30-8 pm, 8:30-10:30. Mountain.

CNRM, Montreal, Que., Can. 410.7m-730kc. 1,000-1,650 watts. Canadian National Railways. Announcer, J. S. McArthur. Thurs, 9 pm. Eastern daylight.

CNRO, Ottawa, Can. 434.5m-690kc. 500 watts. Canadian National Railways. Announcer, A. W. Ryan. Wed, Sat, 7:30 pm, markets, bedtime story; 8, 9, 10:30, dance program. Eastern.

CNRR, Regina, Sask., Can. 312.3m-960kc, 500 watts. Canadian National Railways. Tues, 8-10 pm. Mountain.

CNRS, Saskatoon, Sask., Can. 329.5m-910kc. 500 watts. Canadian National Railways. Daily, 2:30-3:30 pm. Mountain.

CNRT, Toronto, Ont., Can. 356.9m-840kc. 500 watts. Canadian National Railways. Announcer, E. W. Jackson. Fri, 6:30-12 midnight. Eastern daylight.

CNRV, Vancouver, Can. 291.1m-1030kc. 500 watts. Canadian National Railways. Announcer, G. A. Wright.

CNRW, Winnipeg, Man., Can. 384.4m-780kc. 500 watts. Canadian National Railways. Wed, 8:30 pm, bedtime story; 8:50, markets; 9, program. Central.

Cuba

PWX, Havana, Cuba. 400m-750kc. 500 watts. Cuban Telephone Co. International Tel. & Teleg. Corp. Mon, Tues, Sat, 8:30-11 pm. Wed, Sun, 8-10 pm, music. Eastern.

Q2LC, Havana, Cuba. 250m-1200kc. 50 watts. Luis Casas.

1AZ, Havana, Cuba. 275m-1090kc. 30 watts. Antonio Sarasola.

2AB, Havana, Cuba. 235m-1277kc. 10 watts. Alberto S. Bustamante.

2BB, Havana, Cuba. 255m-1176kc. 15 watts. Bernardo Barrie.

2BY, Havana, Cuba. 315m-952kc. 100 watts. Electrical Equipment Co. of Cuba. Mon, Thurs, 7-8 pm. Eastern

2CG, Havana, Cuba. 350m-857kc. 15 watts. Humberto Giquel.

2CX, Havana, Cuba. 320m-937kc. 10 watts. F. W. Borton.

2EP, Havana, Cuba. 355m-845kc. 400 watts. El Pais.

2HP, Havana, Cuba. 295m-1016kc. 100 watts. Credito y Construcciones Co.

2JL, Havana, Cuba. 275m-1090kc. 5 watts. Jose Leiro.

2JP, Havana, Cuba. 270m-1110kc. 20 watts. Julio Power.

2LR, Havana, Cuba. 235m-1277kc. 10 watts. Jose Lara.

2MG, Havana, Cuba. 280m-1070kc. 20 watts. Manuel Y. Guillermo Salas Music Store. Announcer, Roger Morales. Daily, 3-4 pm, music. One day each week, 8-11 pm. Eastern.

2MK, Havana, Cuga. 85m-3528kc. 20 watts. R. V. Waters.

2OK, Havana, Cuba. 360m-833kc. 100 watts. Mario Garcia Velez.

2OL, Havana, Cuba. 257m-1170kc. 100 watts. Columbus Cycle Radio Co.

2PK, Havana, Cuba. 195m-1538kc. 10 watts. George A. Lindeaux.

2RK, Havana, Cuba. 320m-937kc. 100 watts. Raoul Karman. Casa De La Porte.

2RM, Havana, Cuba. 210m-1430kc. 10 watts. Rogelio Morales.

2RY, Havana, Cuba. 170m-1764kc. 5 watts. Salvador de la Torre.

2SZ, Havana, Cuba. 180m-1777kc. 10 watts. Homero Sanchez.

2TW, Havana, Cuba. 230m-1304kc. 20 watts. Roberto E. Ramirez.

2UF, Havana, Cuba. 282m-1060kc. 15 watts. Roberto E. Ramirez.

2XX, Havana, Cuba. 225m-1,333kc. 5 watts. Antonio A. Ginard.

5AZ, Mantanzas, Cuba. 200m-1500kc. 20 watts. Ernesto V. Figueroa.

5BY, Mantanzas, Cuba. 190m-1580kc. 10 watts. Leon Gonzalez Velez.

5EV, Colon, Cuba. 360m-833kc. 10 watts. Leopoldo V. Figueroa. Sun, 9-11 pm. Eastern.

6BY, Santa Clara, Cuba. 260m-1153kc. 200 watts. Jose Ganduxe.

6DW, Santa Clara, Cuba. 225m-1333kc. 10 watts. Eduardo Terry.

6EV, Santa Clara, Cuba. 250m-1200kc. 100 watts. Maria Josefa Alvares. Daily, 10:30 pm.

6GR, Santa Clara, Cuba. 250m-1200kc. 10 watts. Luis del Castillo.

6GT Santa Clara, Cuba. 190m-1580kc. 5 watts. Juan Pablo Ros.

6HS, Santa Clara, Cuba. 200m-1500kc. 10 watts. Santiago Ventura.

6JQ, Santa Clara, Cuba. 250m-1200kc. 10 watts. Eligio Cobelo Ramirez.

6KW, Tuinucu, Cuba. 338m-890kc. 4,000 watts. Frank H. Jones. Slogan, "If You Hear the Koo of the Cuckoo You Are in Tune with Tuinucu." Daily 11:30-12:15 am. Eastern.

6XJ, Tuinucu, Cuba. 275m-1090kc. 100 watts. Frank H. Jones.

6YR, Camaguey, Cuba. 200m-1500kc. 20 watts. Diege Iborra.

7AZ, Camaguey, Cuba. 225m-1333kc. 10 watts. Pedro Nogueras.

7BY, Camaguey, Cuba. 235m-1277kc. 20 watts. Eduardo V. Figueroa.

7CX, Camaguey, Cuba. 85m-3528kc. 10 watts. Leonard B. Fox.

7DW, Camaguey, Cuba. 90m-3333kc. 10 watts. M. L. Quintana.

7SR, Camaguey, Cuba. 300m-1000kc. 500 watts. Salvador C. Rionda. Slogan, "Cuba, the Land of Sunshine, Sugar and Tobacco." Mon, Tues, Thurs, 8:30 pm. Eastern.

8AZ, Santiago, Cuba. 240m-1250kc. 20 watts. Alfredo Brooks.

8BY, Santiago, Cuba. 250m-1200kc. 100 watts. Alberto Ravelo.

8FU, Santiago, Cuba. 225m-1333kc. 15 watts. Andres Vinent.

8IR, Santiago, Cuba. 190m-1580kc. 20 watts. Ceferino Ramos.

8JQ, Santiago, Cuba. 275m-1090kc. 20 watts. Jose Fernandez Heredia.

Mexico

CYA, Mexico City, Mex. 265m-1130kc. 500 watts. Mon, Fri, 6:45-8 pm. Sun, 4-6 pm. Partido Liberal Avanzado. Mexican.

CYB, Mexico City, Mex. 270m-1110kc. 500 watts. El Buen, Tono. Tues, Thurs, Sat, 7:30-9 pm, concert. Mexican.

CYF, Oaxaca, Oax., Mex. 260m-1153kc. Federico Zorrilla. "The Voice from South of Mexico." Tues, Thurs, 7-8 pm. Sun, 8:30-10 pm. Mexican.

CYG, Mexico City, Mex. 300m-1000kc. 1,000 watts. Secretara de Guerra y Marina.

CYH, Mexico City, Mex. 325m-923kc. 100 watts. High Life. Slogan, "Los Proveedores del Caballero Que Viste Bien." Announcer, Jorge Chulia Mallet. Fri, 8:30-10 pm. Mexican.

CYL, Mexico City, Mex. 480m-625kc. 500 watts. La Casa del Radio. Announcer, George Marron. Slogan, "The Land of Eternal Summer." Daily ex Sun, 1:30-2 pm, weather, financial reports, music. Tues, Fri, 8-9:30 pm. Sun, 8-9:30 pm, church. Mexican.

CYR, Mazatlan, Sin., Mex. Rossoter Y Cia.

CYS, Monterey, Mexico. 310m-967kc and 408m-735kc. 250 watts. Tarnava & Cia. Slogan, "The Industrial Center of the Mexican Republic." Daily ex Sun, 7:55-8:05 pm. Mon, 8-9:30 pm. Mountain.

CYX, Mexico City, Mex. 333m-900kc. 500 watts. Excelsior & Revista de Revistas. Announcer, Rafael Hermandez dez Dominguez. Slogan, "Land of the Aztecs." Mon, 8-9:30 pm. Mexican.

CYZ, Mexico City, Mex. 400m-750kc. Liga Central Mexicana de Radio. Mexican.

CZA, Mexico City, Mex. 70-500-1,070 meters. Aviation Dept., War Ministry. Announcer, Ricardo S. Bravo. Daily, 12:30-1 pm, time, weather, news; 6:30-7:30, time, markets, music. Mexican.

CZE, Mexico City, Mex. 350 meters. 500 watts. Secretary Public Education. Daily ex Sun, 8 pm. Mexican.

CZF, Chihuahua City, Mexico. 310m-967kc. 250 meters. Announcer, C. A. Nieto. Slogan, "United by Radio." Tues, 8-9:30 pm. Mountain.

XDA, Mexico City, Mexico. Variable wave. 4,000 watts. Government station. Slogan, "Radio Chapultepec." Mexican.

Photogravures of Your Favorite Artists

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20. Vincent Lopez, No. 1 Pennsylvania Orchestra

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1 Wendell Hall, king of ukulele ditties
2 Graham McNamee, 1925 Gold Cup announcer
3 Jack Little, popular wandering balladist
4 Billy B. Van, the sunshine man
5 Coon-Sanders' "Nighthawks" at KYW
6 George Hay, 1924 Gold Cup announcer
7 Harmony Girls, Edith Carpenter, Grace Ingram
8 Ford and Glenn, Lullaby Boys of WLS
9 "Roxy" Rothafel of WEAF chain fame
10 The Hired Hand, famous "Substitute Announcer" of WBAP
12 Bob Emery, Big Brother of WEEI
13 "Bill" W. G. Hay, ex-KFKX, now of WLIB
14 Happiness Boys, jovial singers of WEAF
15 Lambdin Kay, "Little Colonel" of WSB
16 Leo Fitzpatrick, "Merry Old Chief," WJR
17 Henry Field, 1925 Gold Cup runner-up
18 Al Carney, organ favorite at WHT
20 Vincent Lopez, No. 1 Pennsylvania orchestra
21 E. L. Tyson, pleasing voice at WWJ
23 Art Gillham, "The Whispering Pianist"
25 Harry Ehrhart, "Dream Daddy" at WLIT
26 Correll and Gosden of "Kinky Kids Parade" fame and Sam 'n' Henry at WGN.
27 Norman Brokenshire, popular at WRC, WJZ
29 Jane Novak, Blues Singer of Twin Cities, WCCO
30 Jean Sargent, the original, now at WHT
31 Ralph Emerson, popular organist at WLS
32 Edna Adams, of KPRC
33 Pat Barnes, vaudeville announcer at WHT
38 Walter Wilson, "Uncle Bob" of KYW
40 Ray-O-Vac Twins, known country-wide
41 Art Linick, KYW's Mrs. Schlagenhauer
42 Fred Hamm of WTAS, now WLIB, fame
43 Meyer Davis' Le Paradis orchestra of WRC
46 D. R. P. Coats, 1925 Silver Cup announcer
47 Gene Rouse, WOAW's popular announcer
49 Iris Ruth Pavey, KOA's invisible stage beauty.
51 Ipana Troubadours, on the WEAF Chain

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New Lodge N Circuit; Trouble Chart

Radio Digest

TWICE A MONTH

Illustrated

FIFTEEN CENTS

SECOND JULY NUMBER, 1926

Title Reg. U. S. Pat. Off. & Dom. of Canada

Vol. XVIII No. 1

If It Doesn't Work—Then?; WOAI Intrigues Border Vets; KTAB, Shepherd of the Air; Ending "Sure-Fire Stuff"; KFWO, Sitting on Top of the World; Women's Program Index

No. 11 OFFICIAL BALLOT

Announcers' Contest

RADIO DIGEST THIRD ANNUAL GOLD CUP AWARD

GOLD CUP AWARD Editor, Radio Digest,
510 North Dearborn Street, Chicago, Ill.

Please credit this ballot to:

.....of Station.....
(Announcer's Name) (Call Letters)

Signed .....

Address .....

City .....State .....

7-15-26

EAST NEEDS PEP TO CAPTURE GOLD CUP

ARNOUX, MAY AND BROKENSHIRE STILL 1, 2 AND 3

Chester Gaylord, WTAG, to Fourth—Who Will Win?—Bonus May Bring Surprise Ending

If the East is going to repeat its surprise of 1925 and again capture the Radio Digest Annual Gold Cup Award, it will of necessity require considerable votes, for indications show western announcers still firmly entrenched in the first two places.

G. C. Arnoux of KTHS is still first with a 11,000 vote gain. Earl E. May of KMA remains second with a 6,000 vote increase and Norman Brokenshire of WJZ, strongest eastern contender, continues to hold third and shows an 8,000 vote gain.

Chester Gaylord of WTAG, sixth in last report, has jumped to fourth over the heads of Pat Barnes of WHT, who has been forced to fifth, and A. S. Kyne of KMMJ, now pushed down to sixth. Gaylord gained 4,000 votes, but this speed isn't fast enough to catch up with any of the present three leaders, considering the rate they are adding votes.

Who'll Win? Nobody Knows

Nobody can predict who will win the solid gold 1926 cup and title of world's most popular Radio announcer for 1926. The bonus votes may throw off the final counts of many present leaders and bring a dark horse to the top. Watch out for the bonus votes which are explained in detail further on.

The coupon ballot numbered eleven appears this issue. There are three more to appear, the last one being published in the first September number of Radio Digest. The end is fast approaching.

Gaylord's advance was the only surprise above eleventh place since the last published report. Henry Field of KFNF, the Hired Hand of WBAP, Phillips Carlin of WEAF and Peter MacArthur of WOC remain seventh, eighth, ninth and tenth respectively as before.

Below tenth place climbs were made by Johnen of WLW, Grubb of KFAB, Griffin of WHO, Johnson of WCCO, Konecky of WOAW and Cole of WHO. Kay of WSB, Sullivan of WQJ, Husing of WRC and Kaney of KYW remained in their places, while losses were taken by Randall of WSMB, Palmer of WOAW, W. G. Hay of WGN and WLIB, Schilling of WHB and Isbell of KNX.

Standing of Leading Twenty-Five

The present standing of the first twenty-five candidates is given below. The figure in parentheses following the name and stations of certain announcers, indicates their order in the standing last issue if they were in the first twenty-five:

1. G. C. Arnoux, KTHS (1).....33,739
2. Earl E. May, KMA (2).....25,179
3. N. Brokenshire, WJZ (3).....24,110
4. C. Gaylord, WTAG (6).....15,540
5. Pat H. Barnes, WHT (4)....15,096
6. A. S. Kyne, KMMJ (5).....14,402
7. Henry Field, KFNF (7).....11,287
8. The Hired Hand, WBAP (8).. 9,248
9. Phillips Carlin, WEAF (9).. 6,681
10. Peter MacArthur, WOC (10) 5,483
11. Louis J. Johnen, WLW (12).. 3,967
12. Gayle V. Grubb, KFAB (14).. 3,782
13. C. R. Randall, WSMB (11).. 3,715
14. R. W. Griffin, WHO (15)..... 3,621
15. Lester Palmer, WOAW (13) 3,186
16. Lambdin Kay, WSB (16)..... 2,465
17. Jerry Sullivan, WQJ (17).... 1,743
18. Paul Johnson, WCCO (20).... 1,738
19. J. T. Schilling, WHB (18).... 1,706
20. E. Konecky, WOAW (25)..... 1,581
21. Edw. B. Husing, WRC (21).. 1,542
22. W. G. (Bill) Hay, WGN (19) 1,520
23. Harold Isbell, KNX (22)..... 1,402
24. Sen Kaney, KYW (24)..... 1,385
25. N. Dean Cole, WHO..... 1,375

Although the order has not changed for the five leading Canadian contestants who seek the special 1926 Canadian Silver Cup and title of Canada's most popular Radio announcer for 1926, Miss Lillian Shaw of

(Continued on page 29)

ROMEO IS KEEN FOR PRETTY COVER GIRL

APROPOS of the Radio Digest cover girl, this issue, Marcella received the following letter from a Montana fan which was forwarded to our correspondent, Mr. G. L. King, Los Angeles:

"Marcella: When weather and other conditions permit I find myself holding the dials on KHJ, Los Angeles, for a certain Miss Luella James. I imagine she's a pip from her voice. Can you tell me anything about her?

Romeo de Butte."

To which our Mr. King replied:

"Marcella: Your air mail of 21st about Luella James.

"Miss James sings exclusively over KHJ, the Los Angeles Times station. She is five foot three; weighs 118 pounds; has hazel-brown eyes, medium brown hair —NOT BOBBED— and a VERY light complexion. She is studying voice under tutelage of Sam Glasse. She has a good contralto voice, very pleasing personality and other qualifications best appreciated when seen on the sands of Redondo Beach, near her home.

Very truly,
G. L. K."

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Looking Ahead

Big Brother Bob Emery at Boston Has So Many Brothers He Doesn't Know What to Do—almost but not quite. Thousands of them he never has seen. There are thousands of little sisters in his big Radio family, too. They all get together five nights a week for air adventures and the story appears in the Radio Digest dated August 1.

When John Wolf and Ned Tollinger, a Couple of Town Boys at Council Bluffs, happened to tune in together while coming from a party in a flivver, they little dreamed it would lead to national fame. But it did. The story appears in the next Radio Digest, on newsstands July 31.

Another Van Demark Short Story Will Appear in the Next Radio Digest. It is called "The Fall Guy." Van Demark comes from Texas where O. Henry first established his fame as a story writer. They tried to make a Fall Guy out of Dick but Dick turned the tables. You'll like it.

Four Years Ago WEAO, the Station of Ohio State University, at Columbus, began broadcasting educational subjects interspersed with bits of campus frivolities. It has established an unusual record which will be featured in Radio Digest soon.

It May Be a Little Station as Electrical Power Is Rated, but WFBG at Altoona speaks with the voice of the mountains. This voice is wafted from one coast of the continent to the other. There is a very human touch to its activities as will be told in an early number of Radio Digest.

How Do You Like the Trouble Chart on Page Eight? The technical staff promises another easily understandable and helpful article on Radio sets' tricks and foibles. Watch for it in the August 1 issue, on newsstands July 31.

What's New in Receivers? A Fair Question—and one whose answer you, no doubt, are interested in learning. Milo Gurney surveys the market and describes the outstanding offerings of the opening season. These thumb nail sketches will interest you.

Special articles about broadcasting stations and artists, with photographs, and NON-RADIO fiction 5,000, 10,000 and 30,000 words in length are desired. No manuscripts accepted unless typewritten and prepaid, or returned without return postage being inclosed. All manuscripts are sent at owner's risk.

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SHORT WAVES

By Marcella

Marcella had a short vacation just before putting this edition to press and she met lots of famous people. It was on the occasion of the recent re-opening of KVOO, the "Voice of Oklahoma," at Bristow, whither she went with her boss. Let's see, Boss, whom did we meet? Oh yes, Frank Lane and Roy Griffin of KVOO, Adams Colhoun of WFAA, Gayle Grubb of KFAB, Lester Palmer of WOAW, Peter MacArthur of WOC, Henry Field of KFNF, G. C. Arnoux of KTHS, and Bob Graham of KFJF. Just prior to that trip several notable visitors shook hands with me at the office. These were the Mona Motor Oil Twins of KOIL and the country-at-large, and Eugene Konecky of WOAW. What do you want to know about them? My Boss says I can tell anything I want—so ask me.

* *

"M", "Inquisitive" and several others have asked about H. Dean Fitzer, the "Singing Announcer", Chief of the Nighthawks and director of WDAF. Following are just a few of the things he is willing to admit about his present and past. Fitzer, early last fall, succeeded Leo Fitzpatrick, the Merry Old Chief of the Nighthawks. Fitzpatrick went to WJR and took his title with him, becoming the Merry Old Chief of the Jewett Jesters. Fitzer's friends were soon calling him "the Singing Announcer", so he bowed and took unto himself the title. The Nighthawks hear his songs far into the night, but rest assured, he is modest enough to give others a chance too. He was born in Kansas City and hopes to die there—after a reasonable length of time of course—taking only one great sojourn in foreign parts. As a warrior back in '18 he played a slide trombone on a destroyer. Between the period of the war and his succession to the WDAF microphone he was a newspaper man, which seems to be the background of so many leading announcers. He is twenty-seven years old, 5 feet 11 inches tall, wears brown eyes, browner hair, no bow ties and few Tuxedoes, has a wife, and a baby to spank (Mr. Fitzer forgot to put the comma after wife so it was inserted by Marcella). The fellow informs me it does not add to an announcer's mail to admit he's married, but Marcella knows all, tells all.

* *

Another promised sketch for this issue is that of Ernest Rogers of WSB, "Willie the Weeper" or "Old King Tut, the Radio Nut"— take your choice of name or nom de Radio—who was originally "discovered" about three years ago by Colonel Lambdin Kay, WSB's drawling director. Age, 27; married seven months; height, trifle over five feet; eyes, baby blue except when someone looks at his new wife when they become violently green; complexion, indoor tan on a "skin you love to touch"; hair if any, used to be red; ambition, to travel around the broadcasting stations for some big corporation selling soap, sarsaparilla, or sardines by singing songs about them; present occupation, feature writer and general assignment man for the Atlanta Journal. "Willie" adds many interesting bits in his letter to me. He says he prefers blondes, but since his wife is a brunette, to say nothing about it, so I won't. He notes that the Keith circuit thinks he ought to go on Loew time and the Loew circuit vice versa; that he has sung "Willie the Weeper" 2,777,777 times up to last Tuesday; that his chief claim to distinction was when he elected himself president of the Red Head Club of WSB at the organization meeting of the outfit, he being the only voting member present; and that his favorite Radio periodical is the Radio Digest, because he adds, "they printed my picture a couple of times, you know." He has recorded "Willie the Weeper" and "My Red Haired Lady" for Columbia and Okeh, and Ernest Hare recorded Mr. Rogers' "Tune in with My Heart." "Forgiveness," another of his songs, has been published, and in addition he has written many other tunes. He remarks, however, that he did not write "I Wonder What Became of Sally".

* *

Wendell Hall, speaking of red heads, is off the air until fall. During his vacation he will get a new repertoire of songs and stories ready for the air. Marcella also happens to know that at least a few weeks of his time will be spent with "Gloomy Gus" or Gayle Grubb of KFAB, striking terror into the hearts of Nebraska fish with rod and reel.

* *

Yes, "Marguerite", Chester Gaylord of WTAG, Worcester, Mass., is still single and eligible. Your interest in him as a candidate for the 1926 Gold Cup is shared by "Roxy" of WEAF, for I understand the latter notable sent Mr. Gaylord a vote to help his count along. Incidentally, three newspapers, the mayor, postmaster and other Worcester civic leaders are campaigning for the victory of the announcer

(Continued on page 15)

UNUSUAL RADIO SUMMER HERE

HONOR MARCONI FOR INVENTION OF RADIO

THIRTIETH ANNIVERSARY IS CELEBRATED IN ITALY

University of Bologna Plays Host to Famous Scientist—Townspeople Laud Former Resident's Success

BOLOGNA, Italy.—The thirtieth anniversary of the first Radio patent has just been celebrated here, by a ceremony in honor of Senatore Guglielmo Marconi.

The ceremony was held in the old university, in the presence of Signor Belluzzo, minister of economy, the Syndic of Bologna, representatives of many scientific societies, and professors of the university, who wore their picturesque traditional gowns. After a few words by the Syndic, Senatore Marconi rose amid hearty cheering to deliver his speech.

Although during the last thirty years he had, he said, had to remain almost always absent from his native city, he had never forgotten it, and many times, during his 86 journeys across the Atlantic, in the wildernesses of Canada, and in Ireland, his thoughts had gone back to his dear Bologna, to which he felt himself bound by so many sacred affections and memories.

Marconi Recalls Beginning of Radio

The famous inventor then recalled the beginning of his invention, the difficulties he met with, and the result he had finally achieved. He then reviewed the progressive and widespread application, and the benefits of Radio, mentioning as its last achievements, the service rendered by broadcasting in England during the general strike and the message from the Norge. He concluded by recalling his great teacher, Adolfo Raighi, the Bolognese scientist, who made important studies of electrical waves.

After the ceremony a gold medal was presented to Senatore Marconi by the commune of the university. The rector also announced that a yearly prize for the best science student had been instituted under the name of Guglielmo Marconi.

Later Senatore Marconi was entertained at dinner in the city hall, and in the evening he motored to the mountain village of Sasso, where as a boy he passed his summer holidays, and where in the villa of his family he made his first tentative experiments in Radio.

A. Atwater Kent Gets Wooster Honor Degree

Aged Institution Recognizes Work of Noted Manufacturer

WORCESTER, Mass.—"Radio is the young man's field," declared A. Atwater Kent in a recent address given to the graduating class at Worcester "Tech" where Mr. Kent was formerly a student.

"There never was a time when the graduate of the technical school had the opportunity he has today," continued Mr. Kent. "Nor was there ever so wide a field for his knowledge, nor so great a chance for him to make good.

"In the field of Radio alone, the development is so rapid that the most highly skilled engineers are required to keep pace with them. It appeals to the imagination of the young man and demands his highest technical skill. Not even we who are in closest touch with the Radio field can tell exactly what baffling mysteries of the air yet remain to be solved."

Worcester Polytechnic institute is one of the oldest institutions of its kind in the United States and yet it never had conferred an honorary degree until this occasion of the set manufacturer's visit. In recognition of his efforts in arranging a national broadcast of famous artists and of his success in the development of popular Radio reception the institute conferred upon Mr. Kent the title of doctor of engineering.

KNX Adds Two Pickups

LOS ANGELES.—Station KNX, "The Voice of Hollywood," has acquired two new remote controls by tieing in a theater and a beach club by land wires. A total of nine is now used.

The theater is the new Carthay Center, located midway between Hollywood and Beverly Hills, and said to be one of the finest movie palaces in the West, while the beach club is that of the new Edgewater club at Santa Monica, described as America's most sumptious seaside club.

RADIO DROWNS OUT EVIL DENTIST DRILL

CHICAGO.—Dr. G. M. Smith, Chicago tooth puller, has discovered a new use for Radio—and if you ever had a tooth excavated by one of those devilish drills, you'll be interested. While treating Paul Ash, whose performances are broadcast by WGN each Friday night, Dr. Smith got his bright idea. "There's no jazz in that drill, ouch!" commented Ash. The next time Ash sat in the chair he was surprised to hear the strains of orchestra music. The patient forgot the drilling.

GOOD RADIO QUARTZ IS HARD TO LOCATE

WASHINGTON, D. C.—An apparent scarcity in quartz, superinduced mainly by its newly discovered use in Radio oscillators in transmitting sets, has been reported by the bureau of standards. There may be an abundance of the crude quartz available, it was pointed out by the bureau of scientists, but the quality necessary for use in radio frequency sets at the bureau apparently is unobtainable in sufficient quantities. Quartz used in this work of necessity must be of fine quality.

"MISS LOS ANGELES," KFI ARTIST

It is quite possible that Radio show visitors in California will have the privilege of hearing the somewhat frail but remarkably sweet voice of the little lady pictured above. Reason for the charm in the voice is apparent for the lady is none other than "Miss Los Angeles" herself, runner-up in last year's Atlantic City bathing beauty contest. Of course she has another name. She is known to her fellow artists at KFI as Miss Adrian Dore. Be sure to hear her when she is announced on the programs—then, see her if you can.

Bad-Time Stories Make Morris Leaf in Demand

Pacific Coast Grown-Ups Amused by Revised Versions

HOLLYWOOD, Calif.—The latest sensation for listeners on the Pacific Coast is Morris Leaf, the Bad-time Story Man, whose Radio appearances have made such a hit that it probably will not be long before the vaudeville stage reaches out to claim him.

Morris Leaf came to Hollywood in the guise of an artist commissioned by an eastern movie magazine to sketch forty portraits of famous screen celebrities. His task completed, he decided to remain, falling under the lure of the sunny skies, palm trees and sandy beaches.

One night, while visiting KNX with a friend who was a Radio entertainer, he was called upon to make some remarks over the microphone. On the spur of the moment he gave one of his "bad-time" stories. In Hollywoodese, it was a "kick" and Morris Leaf was commanded to return with more. This he did until today he is described as one of the few who can dispense humor over the Radio and get away with it.

"Bad-time" stories it might be explained, are stories all youngsters are familiar with, given with a dialect and modern touches. A few of the knockouts are, "Punkinhontas and Capt. John Smith, Inc.," "Little Red Riding Habit," "The Piper of Heidsick," "The Fisherman" and many others conned from the Arabian Nights, fairy lore and tales of history.

NATIONAL OPEN GOLF CLASSIC GOES ON AIR

WEAO Handles Matches Played on Scioto Course

COLUMBUS, O.—America's greatest golf classic, the National Open tornament, July 8, 9 and 10, was broadcast to the ears of golf fans by WEAO, the Ohio State University station.

Chief Engineer R. C. Higgey, working with George Sargent, "pro" at the Scioto Country club links, where the tourney was held, arranged the service direct from the links which employed a portable telephone transmitter. Mr. Sargent is president of the national organization of golfers and is himself a former open champion. R. Lee Henderson, WEAO's well-known and experienced sports announcer, headed the crew of announcers which described the matches on the Scioto course.

EVEN BETTER PROMISE FOR COMING YEAR

Cooler Weather Forecast

1927 May Find Much of United States with No Warm Weather Is Radical Prediction

By Eric H. Palmer

NEW YORK.—Shifting ice in the Arctic wastes may mean a summer of extraordinary DX reception for Radio fans. Cool days in June and July have been attributed to the heavy discharge of polar ice, in addition to which sun spots and reduced solar radiation are given as primary causes for the unusual weather conditions.

The outlook for unusually good reception during the next two months is excellent if the prophecies of scientists regarding the weather come true.

Everyone knows that Radio reception falls off in the heated term when the days are longer and what we call static is prevalent. Recently, with cool evenings, there has been noticed a vast improvement in transmitting stations and better receivers. Atmospheric conditions have been conductive to such improved reception.

More Radio Weather in Store

Now it is predicted that we are to have many more cool days in July and that next year there will be no summer at all!

Steamship captains are heading further south this year on account of icebergs. Amundsen, the explorer, reported open ice 150 miles or more from Spitzbergen during his flight last year, and Byrd, flying over the same route, stated that the ice has come all the way down to that island. The whole North Atlantic seaboard has felt the northerly winds.

Undoubtedly, many Radio fans have read with the greatest interest the predictions of Herbert J. Brown, the professional long-range weather forecaster in Washington, who foretold the cold days in June this year and has stated that in 1927 there will be a frost every month in the northeastern part of the American continent.

Brown's Weather Forecast

Mr. Brown bases his forecasts on the changes in the amount of heat given off by the sun and absorbed by the oceans.

"It has taken since the beginning of 1922", he declared, "for the northern Pacific area to exhaust the momentum of the sun's heat which began to drop nearly five years ago. Cold air will come into the Canadian northwest and deep into the United States next winter and in 1927 from the arctic circle and Bering sea. Cold also will come from cold waters which now extend from California to the Hawaiian islands."

The change in the weather may be very disappointing and damaging to many interests, particularly to agriculturists. Looking at the matter from the standpoint of Radio, however, we can only venture the opinion and the hope that we will have the finest summer reception this year ever reported and that it appears as if 1927 will be the banner year.

Radio Helps Baseball Says Rogers Hornsby

Cardinal Manager Himself Listens to Ball Broadcasts

ST. LOUIS.—Rogers Hornsby, manager of the Cardinals here and demon batsman, believes baseball is having its biggest year and credits Radio with contributing to that end. The famous "Rajah of St. Louis" remarks:

"While the attendance figures from all over the country indicate that baseball is experiencing one of its greatest years, it is my opinion that Radio has done considerable in maintaining interest in the national pastime. This is especially true in out-of-the-way places where the major league clubs do not appear.

"Through Radio, baseball is brought right to the homes of those not fortunate enough to be able to attend the games.

"I am a Radio fan and enjoy listening to the reports of the games in which the Cardinals do not participate."

KTAB—"Shepherd of the Air"

LITTLE Weather-Blistered Church in Oakland, California, with Its Pastor, Rev. G. W. Phillips, Rises from Obscurity on Wings of Radio. Popular Programs Presented During Week.

This manner of belief and faith has not been changed by the great influx of the hordes from the more indifferent—and slightly idolatrous East where the golden calf and mammon have in some instances supplanted the higher spiritual side of life. But even among these there are some who have come down from the Puritans and the Quakers and more of late the Methodists, Baptists, Presbyterians, Congregationalists and others who have established their "meeting-house" on the four-corners of America.

For these, who are the bed rock of our nation, Sunday service is the event of the week. It is the feast day for the soul—a day of holy communion with God and fellow man. Nobody misses church—that is, nobody who can very well avoid it. But there are cases—yes, many, many of them—where seemingly unsurmountable obstacles do prevent. Some are held down by the weight of years, others have been stricken to their beds and for others who live far on winding roads to the logging camps and mines there is no "meeting-house" within a day's journey.

Eventually this latter situation came to the attention of the directors of one of the largest broadcasting stations in San Francisco. Here was a chance for real service. They consulted each other and decided to seek a preacher—a Shepherd of the Air—one who could understand the needs and supply them, a man who could speak the language of the little-church-on-the-hill as it exists from Puget Sound to Miami.

One day a stranger paused before the Tenth Avenue Baptist church of Oakland. It was just a little church. Obviously wealth had not paused here to display its pious opulence. The clapboards were warped and scaly with weather-shriveled paint. The eaves were rusty and the shingles were ruffled like the feathers on a mother hen who shelters her chicks in a tempestuous storm.

But the faces of the people who entered—they glowed and beamed from a light that came from within! The stranger watched them. Then he too entered and sat in a pew near the door. His aloofness melted under the simple, straightforward message uttered by the Rev. George W. Phillips from the plain, little pulpit. There were no flourishes; no wild, grandiloquent phrases—he read from the Bible and interpreted the precept, "Love they neighbor as thyself."

A few days later the pastor found a blue envelope in the parsonage letter box. He was surprised at what

(*Continued on page 30*)

At the top in the big picture hat is Miss Adelaide Ashton, one of the popular operatic favorites of KTAB and whose soprano voice is well adapted to the microphone. At the left is Miss Millicent Benioff, Russian artist with a mezzo-soprano voice that melts like liquid into the air. Mrs. Billie Empey is the lady with the saxophone, one of the regulars on the KTAB programs. Below are the Boulevard Players who recently presented a story of the California gold rush days for the Oakland listeners.

Mr. Howard Eastman (left) pianist and director of the Lorraine Trio who play at the KTAB luncheon concerts each sunny, California noon.

By HAROLD P. BROWN

OUT beyond the rugged hills of the West country there is a little church much like the tens of thousands of other little churches that dot this country over, only THIS little church has been lifted on the wings of fame until now it sings its message of salvation and redemption to the seven seas and the continents that touch thereon.

Of course there is nothing miraculous or supernatural about it at all—unless you consider the episodes of the beginning as guided by a hand above the ken of man. It has merely converted the regulation church spire to a Radio antenna and there is a microphone before the pulpit.

In California and all the vast territory of the Sierras, the Rockies, the vales between and the shores of the Pacific, there dwell a people who love their God and worship Him. They maintain the family altars of the fathers and at night they kneel by their beds to offer prayers of thankfulness for the day that is done and supplication for grace for the night and the day to come.

Sitting on Top of the World

CALIFORNIA Writer Declares Major Mott at KFWO, Catalina Island, Occupies Top Seat of Radio Sphere, Where He Chats at Will with Orient, Europe and Antipodes.

By NETTIE DUGA PILCHER

WE HAVE much to forgive the writers of modern jazz songs. More frequently than not they wear us down with the continuous reiteration of some catch word or bit of slang. On occasion, though, we forget all this and feel truly grateful for the popularization of an adequate and satisfying phrase.

"Sitting on top of the world," to me is one of these. It brings to mind not only the feeling of joy that the one who sits there must experience, but also the accomplishment that preceded attainment of a seat on the world's top. Be the accomplishment big or little, this feeling of sitting on top of the world must be the reward of one who triumphs, whether it be in love, literature, science, or the business world.

Surely Lawrence Mott is entitled to such a seat, because, from his island home he talks with the world. He has worked out Radio communication to its Nth degree. Tomorrow may bring something new again, this earth revolves so fast, but today his demonstrations stand as a record, and always will.

Veritably, this man occupies a unique position on the world's pinnacle. Appreciating his happy circumstances, he, in return gives much to the world by way of Radio. He gives it freely, generously and without charge.

Situated on a gloriously beautiful island, thirty miles at sea off the coast of Southern California, amid towering mountains and jagged cliffs, shaded canyons, sandy strands of beach bordered with transparent turquoise waters, is the Radio station, KFWO, which this fortunate man owns and operates.

At left is chalet from whence famous Wrigley chimes are broadcast by remote control each day over KFWO. Major Lawrence Mott (right) in his army uniform. Below, Miss Frances Hewitt and the KFWO cat whose purr has been heard in Alaska and the canary whose trill has been heard in New York from Catalina.

Above are two views of Major Lawrence Mott, owner and operator of KFWO at Avalon, Catalina Island. Upper photo shows him in comfortable shirt-sleeves before the mike and below he is in the tropical palm grove from which the station rises.

MOST broadcasting stations and their programs are as excellent as they are numerous, but here is one station with a few distinctive features.

Major Mott repays the world from his personally conducted station by sending out with his entertainment quantities of good fellowship, cheer, sunshine of thoughts, happiness, and encouragement. There are no paid programs from KFWO under any consideration and nothing is advertised therefrom!

Isn't it a fine feeling, once in a while, to know that there are folks who still believe in doing things for the sheer love of the doing; who are interested enough to experiment that the other fellow may be taught. And isn't it fine to be on the receiving end, once in a while, and to sit back in an easy chair drinking in good music or pleasant words without a care whether your mattress manufacturer, your stock broker, your doughnut fryer, or the man who supplies your tires pays the bill.

KFWO has been, by the manipulation of one letter, turned into the slogan, "Katalina for Wonderful Outings." These words, appearing on Major Mott's stationery, are as near to advertising as the island station ever gets, but the slogan is clever so we forgive him.

Even in the matter of souvenirs has KFWO proved to be different. Quite in keeping with its location and the spirit of the station, three ounce bags of rich silver ore are mailed out to all who write to Major Mott or to KFWO. This ore is obtained at the Wrigley mines on the island. Four hundred and ninety-one bags of ore passed through the Avalon post office in seven weeks.

Perhaps it is unfair to leave Lawrence Mott so long without a more formal introduction lest you miss knowing some of his more serious achievements. Major Mott bears his rank in the U. S. A. Signal Corps, O. R. C., and he conducts for his government a very powerful experimental station, 6XAD and 6ZW, of from 500 watts up to 2,000, at will. This part of the Mott station on Catalina Island is housed in a building by itself and is purely for research work for the U. S. Signal Corps at Washington and in conjunction with the Bureau of Standards, Radio department, also at Washington.

USING telegraph only on ten, twenty, and forty meters for transmitting purposes, this Radio wizard has daily communication with Australia, New Zealand, China, Japan, Java, Germany, England, France, Italy, Holland, Switzerland, and Cape Town, South Africa. In like manner communication was maintained with both of the MacMillan expedition.

If this isn't sitting on top of the world, what is?

All of which remarkable effort was accomplished on forty meters, using Western Electric tubes and apparatus of the latest design with 500 watts power. Major Mott uses specially designed Radio apparatus manufactured

(*Continued on page 28*)

WOAI Intrigues Border "Vets"

"TAKE Me Back to Old San Antonio," Sing Soldiers of the North as They Tune in Texas Station and Recall Days When Mobilized to Keep Villa Beyond the Rio Grande

IN THE minds of many soldiers of the North who camped round about Fort Sam Houston during the World war, San Antonio lingers as a sort of dream city. Within its environs they found many a happy holiday. Time has softened the harsh outlines of the rigorous camp life—time and memories of a certain cruel, bloody, bone grinding army life that enchained them a little later.

The two experiences stand apart. They cannot be compared because there is little or nothing in common that is of consequence to compare. Tongues may be silent about the real war but wag loquaciously when it comes to telling tales of life "on the border" with the general hospitality of the Texas people in the background.

Keeping WOAI pepped up and in the forefront as one of the most popular stations of the South is the job of Joseph G. Cummings (top), station manager and chief announcer. Every Tuesday evening from 8:30 to 9:30 Central standard time, these talented artists of the Gebhardt Mexican Players may be heard over the San Antonio station. They are under the direction of the famous composer, Jose Conrado Tovar. At left is the Joske Story Lady, whose real name is a mystery so far as the station announcements are concerned. Below are the Mistletoe Melody Maids, whose charming folk songs thrill Jack and Pete of the old Fightin' Seventh.

So it happens that Texas broadcasting stations are popular in the North. Grizzled veterans of the "Villa War" will set the dials at WOAI or some other Texas station and hark back a decade, the days "way back when—"

Little Jack Downey was one of these. He had been through the whole mess of it and when he came back to his little flat on Green street, Chicago, it was hard for him to find a job sufficiently entertaining to be maintained permanently. He joined the police force, hoping to get a chance to battle some of the gun gangsters in the bad lands. But no such luck favored him. One day, not far from his home, a big warehouse burned and he saw a batallion chief with six of his men slide down a line of hose from the seventh floor through billowing clouds of smoke and flame. Three of the men had to be carried away in stretchers and one died later in the hospital. So Jack Downey decided to join the fire department.

Just a few days before the time that these events are being set down Jack came out of the post office building on Dearborn street at Quincy. A tall and soldierly man was coming up the steps. While the man was still two steps from the top and just about level, eye to eye, with our hero, Jack jabbed out a sturdy arm and caught him by the shoulder.

"I can't be wrong!" exclaimed Jack, "but it's me old buddy, Pete Cahill, or I'm a dead one or he is and this is his ghost."

"Jack Downey of the old Fightin' Seventh!" said the other as their two palms slapped together and they stood grinning in silence for a moment, "and 'tis neither of us that's dead—yet. Sure, and where have you been hidin' out all these years. I haven't seen you since—since, not since that night we chased them disrespectful spicks out of the alley at San Antonio for makin' familiar eyes at the girl who had been singin' for the bhoys at camp."

"Now, that's the truth," replied Jack while crowds moved around them in and out of the big federal building. "And I remember the occasion well, 'twas a little alley beside the opery house of the plaza where we brought the girl for the show. An alley it was but a street they called it and it ran back somewhere to that little creek, dignified by the name of a river. I was most drowned tryin' to find you after you had chased one of the toughies into it. Wherever did you go, Pete, from there."

"That's something I never could quite make out myself because after I slipped on the stones in the river I woke up in a civilian's house and when I went back to the camp the old Fightin' Seventh had busted up into another outfit and all my buddies were gone. But that's long ago and I've been to Europe and back since as I suppose the same of you. I see by the uniform you're a fireman."

"'Tis a good job but monotonous. I find nothing more exciting. Sure, drivin for the chief I get to a fire or two a day and there's a bit of kick in slashin' the old man's red buggy up the boulevards doing sixty or better and watchin' the traffic scatter right and left and up the lamp poles for those caught on the islands. It's dull, though. Some days two fires and maybe three and that's all. Never a fire that's worth the fightin'. But, Pete, have ye ever been back to the border?'

"Not even once, yet. But some day I'm goin' for I have a recurrin' appetite for the chili and chiladies and hot tamalies they served in that Mexican restaurant in the same alley across from the operey house we were talking' about. You remember it, Jack Downey?"

"Indeed, I do Big Boy and I'm goin' there tonight though I'll not be served at the tables. But I'll hear the Mexican moosishuns and the clink of the chili bowls. (*Continued on page 29*)

Below is Mr. Otis Vaughan, assistant announcer at WOAI, San Antonio.

SURE-FIRE STUFF

by HARRY VAN DEMARK

ALL Is Not Glitter Behind the Footlights and Sheila Shambaugh Declines the Booking Agent's Proposition. Jadwyn Attempts Force and Meets Johnny's Iron Fist. Action and Thrills in This Story!

WHEN a speeding automobile suddenly loomed out of the night and struck down one of the Dancing Shambaughs it left Sheila Shambaugh to carry on alone. She had to devise a new solo dancing act, earn money for a living for herself and Bobby and then make payments on Bobby's doctor bill.

Sheila was a proud girl and she shunned the sympathy of her fellow artists, but Johnny Clavering, the headliner with her bill, was different. She wouldn't tell him for the world although he really cared and was noted for his kindly deeds. Then Johnny discovered Jadwyn, the booking agent, coercing Sheila into an unfair contract.

"You must be getting something more than your regular commission for this girl's act?" insinuated Clavering with a pointed look square into the eyes of the scheming Jadwyn.

"WELL, I'm not saying that I am or that I'm not. But Barnes Jadwyn is no fool. Confidentially, I'm planning to put her in a musical tab. Got a chance to get thirty weeks on the Panlow time. Then, if things shape up right, I'll bring it east and knock 'em dead." The booker shrugged a self-satisfied shoulder.

"By the way," said Johnny, as if struck by a sudden thought. "Ever hear from Mooney & Ray?"

Jadwyn's face clouded. He cleared his throat once or twice before he replied. Er—no; not in over a year. You know, I won my case," he added rather lamely.

"Let's see—didn't they contend that you had held back fifty per cent of their salary or something like that?"

"Yes, but I proved they owed me money and the court threw out the case."

"Seems to be a little specialty of yours, Jadwyn, getting extras out of the acts you represent."

"Well, I've done a lot for some of 'em—and you know a man must live."

"There was another friend of mine you used to represent—Belle Winton. What became of her?"

"Say, what is this, Johnny—an inquisition?" Jadwyn eyed the headliner suspiciously, then smiled as he went on: "No; I haven't heard from Belle—not for a year and a half."

"She had you in court, too, didn't she?"

"Yes; but I won out."

"You tried to force your attentions on her—wasn't that what she claimed?"

"Er—well, yes, it amounted to that; but of course it wasn't true."

"How did you squirm out of that?"

"Had a witness. Proved she was trying to twist me around her finger so I'd get her salary raised."

"And now you have a contract with Miss Shambaugh?"

"Certainly I have."

"Well, don't try any of your tricks on her."

"Oh, see here, Clavering, you think because you're a headliner, in good standing with the powers above, you can talk to me any way you please. But you fellows never get so far up that you can't come tumbling down. Remember that."

"Save your threats for some other time; but take this tip from me: Play straight with that little girl in No. 5, or the next time the judge is apt to tell you to think it over for a year or two."

Johnny passed on down the corridor, entered his dressing room and slammed the door.

THE next week the bill went into the Bijou, Brooklyn. Four acts dropped out, shifted by the vagaries of the booking office, leaving but five of the nine that had played the Palladium. Two new acts were penciled in by the bookers, giving the Bijou a seven-act bill.

Johnny and Sheila were among those retained.

The rehearsal was in full swing Monday morning when Johnny walked on the stage. A team of acrobats, a sister team, a girl act, a male dancing duo, and the Great Ganton, with Johnny and Sheila, rounded out a well-balanced bill.

They swarmed strenuously over the bare stage now, telling the stage manager how to hang their stuff, giving the electrician his light plots and the projectionist the cues for the "spots."

"Hello!" Johnny greeted cordially, as he saw Sheila leaning against the proscenium at one side of the stage.

"Morning, Mr. Clavering." She gave him a wan little smile.

"This isn't the Palladium; but perhaps we'll fare even better than we did last week," he said cheerily.

"I don't know. I—I seem to be losing my pep."

"Anything I can do?"

"Not unless you can tell me a way to raise a lot of money—and raise it quick."

"Do you need money?" queried Johnny bluntly.

"Of course. Ever know anyone who didn't? Oh, don't pay any attention to me," she quickly added. "I'm only a poor atom, not worth one moment of your time." Her shoulders sank dejectedly while the great somber eyes filled with tears. She turned away toward a dark corner of the stage.

Johnny followed. "You know I'll be glad to help you."

"You can't help me. No one can. Please go away and leave me alone."

"I'm your friend—and I want to help. What is it you need money for?"

"NOT—not for myself. I—well, I didn't say I needed money for anything."

"You implied that you must have some at once."

"And what if I must?" she demanded in a contradictory tone. "We can't always have what we have to have, much less what we want. But I'll say this—you were right about Barnes Jadwyn. He's—he's just impossible—that's all!"

"Has he been bothering you?"

"He made me a proposition last week to head an act he expects to produce. Said he must have an answer by Tuesday night. But he got impatient—couldn't wait. So he came to my hotel yesterday, forced his way into my room and insisted that I accept his offer at once. Perhaps I acted unwisely, but I told him to leave and never come near me again."

"That was the greatest thing you ever did. And now, tell me—"

"You'll have to excuse me," she interrupted; "it's my turn to rehearse." She jerked a bundle of music from her portfolio, hurried down stage and thrust it into the orchestra leader's hands.

Perhaps it was just as well that way, Johnny reflected, with a sad little shake of the head. Surely, she would hesitate to accept aid from him—and then, there was friend husband to consider. Husbands had a way of taking unreasonable attitudes when other men grew chummy with their wives. And if Sheila accepted a loan—well, it might be misunderstood.

He decided to forget the whole matter, and succeeded for a time. He saw no more of Sheila that day or evening; nor the next afternoon. Every time he came off she had dressed and left the theater.

But on Tuesday night he stopped amazed near Sheila's door as he recognized Jadwyn's voice.

"Yes, you told me not to come, but I came and I want a different answer from the one you gave me Sunday," Johnny heard him say.

"BUT I won't accept your terms; even though you were fair on the money end of it, the other things are impossible."

"Oh come, girlie, be reasonable!"

"If you come any nearer I'll scream!"

Johnny threw open the door and stood for a moment poised on the threshold. Sheila stood with her back to the wall, a small chair in her hands, held out as if to restrain Jadwyn from approaching her.

The agent turned at the sound of the door. He and Johnny measured each other a few seconds in silence. Then Johnny stepped closer. Jadwyn's face grew crimson with anger. Sheila wavered forward, dropped the chair and thrust herself between them. Jadwyn shrank back into a partial crouch.

Johnny thrust Sheila aside and sprang upon the agent. The two men crashed down against the make-up shelf. Johnny's twisting grip on Jadwyn's throat bulged the gray-green eyes, jerked down the weak jaw, mottled the sensual face. They swayed from the shelf, stumbled backward over the chair, and pitched to the floor, rolling over and over at Sheila's feet. The girl cringed, half-fainting, against the wall.

Johnny swayed slowly to his feet, dragging Jadwyn with him, then, releasing his clutch on the other's throat, sent him hurtling back to the floor where he lay groaning.

"When you're able to get up, get out of here, and see that you leave Miss Shambaugh alone in the future," he warned.

"I'll get you for this, Clavering," spluttered Jadwyn. "I've been on to

(*Continued on page 28*)

Johnny's twisting grip on Jadwyn's throat bulged the gray-green eyes, jerked down the weak jaw and mottled the sensual face. They swayed from the shelf, stumbled backward over the chair and pitched to the floor, rolling over and over at Sheila's feet. The girl cringed half fainting against the wall.

If It Doesn't Work—Then?

MAYBE YOU Can Put Your Receiver Back in Condition Yourself. Troubles Are Often Slight. Here Are Some Helpful Hints. Try Them.

By The TECHNICAL EDITOR

RADIO troubles, like the Ten Commandments, generally occur in series of ten, or so it seems. Nine times they will be of your own creation. As for the tenth, a pair of pliers, screw driver, hydrometer, a soldering iron and a voltmeter will be the only "life savers" required for restoration of Radio reception happiness.

A receiver is somewhat delicate and should be treated with consideration. Because it always has worked is no guarantee that it will continue to function without attention. Batteries need replacement, those which light the filaments of the tubes require periodical charging, and your antenna cannot be installed and then left to care for itself against the four winds of Heaven without expecting the day to arrive when all is silent.

Storage A batteries should only be tested with a hydrometer, while their specific gravity so measured should never be allowed to fall below 1275. The plate or B batteries, for accuracy's sake, should only be tested when connected to the receiver, with the receiver in operation, or at the moment immediately after using. Waiting until a bank of B batteries have been at rest for a period before taking readings results is only fooling yourself. Never test B batteries with an ammeter. Ammeters are the finest little B battery killers one can use, while the readings which you may obtain are almost meaningless. Use a voltmeter and avoid the "one dollar" variety. B batteries whose voltmeter readings indicate voltages but 75 per cent of normal, should be discarded as they have served their useful life. Removing dust accumulations from the tops of B batteries should be a weekly practice, while the terminals of wet storage batteries should also be kept free from accumulations by cleaning them periodically with a cloth dampened in a baking soda solution.

General Instructions

Never remove a lighted tube from its socket. Turn off the battery supply. Then you may remove it in safety.

Do not use pliers or a screw driver to make repairs while either the A or B batteries are connected to the receiver.

When charging the A battery, the safe method is to entirely disconnect it from the receiver as well as from the B battery.

Always avoid forcing your tubes. Burning them beyond their rated voltage is an indication that you will soon be purchasing new ones. Pushing up the control rheostat may get that particular station but it will also "get" your tubes.

If you want to take a chance on paralyzing your tubes, the best way is to use your receiver during a lightning storm. If you don't want to take this risk, the program the following evening will be considerably better.

Do not wonder that your loud speaker goes "west" one fine day, if you persist in disconnecting it from the receiver while the tubes are lighted.

Because the vacuum tubes which you are using indicate an operating value of five volts, does not mean that you must operate them as high as this voltage, but it does mean that they should not be operated above this figure. Many a tube operates best somewhere between four and five volts.

Every six months take a peek above the roof. You HAD an antenna there which was clear of obstructions, had clean insulators and was in condition 100 per cent, but all these factors do not remain unchanged always.

Totally avoid exposing your adeptness at twisting rheostat controls. Once set, they require adjustment only when testing for defective contacts. He who attempts to tune in a station by adjusting his rheostats "knoweth not what it's all about."

The quickest way to locate a disturbing noise is first, to disconnect the aerial when, if the noise continues, you may then be certain that the trouble is local within the receiver or its battery connections.

Little Troubles and Easy Remedies

Paralyzed Tubes. Tubes which have become "paralyzed" because of too much B battery can usually be restored by disconnecting the B battery connections to the receiver and lighting the tube filaments for thirty minutes; or you may employ any one of many of the tube reactivators now offered by the dealers.

Fixed Condensers. A defective fixed condenser is usually beyond repair, considering the low cost of such devices. It should be replaced with a new one.

Variable Condensers. Dust accumulations between the plates of condensers may be cleaned readily with a pipe cleaner. These are procurable at any tobacco store. If plates touch one another when rotated they may be straightened by bending slightly with a case knife laid flatwise upon the plate. Most condensers of today have "take-up" adjustments which will correct this error. Poor connections in such a condenser are usually traced to grease in the bearings (if condenser is not "pig-tailed"), weak spring contacts, or poorly soldered connections.

Sockets. Weak or dirty socket contact springs in sockets are the source of most socket trouble. Tighten the retaining screws; clean springs carefully with fine sandpaper. If bent out of shape, straighten. A hairpin is convenient for lifting the springs.

Burned Out Transformers. These cannot be repaired well. Replacement is the best policy. The repair usually would cost more than a replacement.

Loose Tube Prongs. Look out—they cannot be tightened readily, although at times a dab of glue will set the prong. If you are in the habit of cleaning the prongs of the tube, rubbing the points over a cloth will be sufficient. Never sandpaper them.

Moisture and Dust. Two-thirds of the grief connected with a Radio receiver is caused by dust within the receiver. Periodical cleaning should be given all receivers, whether they need cleaning or not, as quite often such a cleaning will bring to light a loose or faulty connection which needs repair. Keeping the receiver in a dry place is also good insurance against Radio's bugbear, moisture.

Common Questions and Their Answers

Will a six tube set receive twice as far as a three tube set? No.

If I get good results with a 50-foot aerial will I get twice as good results with a 100-foot aerial? No.

If I get good results using 22½ volts upon my detector tube, will I get twice as good results if I use 45 volts? No.

(*Continued on page 30*)

Ten Troubles—What They Mean

1 **Tubes do not light.** This may be caused by, a depleted or dead A battery, defective rheostat, dirty or poor socket contact springs, burned out tubes, broken wire going to the A battery or rheostat, or A battery connections wrong.

2 **Tubes light but there is no response in loud speaker.** Dead B battery, B battery connections reversed or wrong, poor contact at plate or grid prongs of a tube socket, broken phone or loud speaker cord, tube paralyzed because of using too much B or plate battery, or broken or faulty connections in audio frequency transformers.

3 **Signals good with detector, but faulty when using amplifier.** The A battery in poor condition, audio transformer reversed or burned out, poor spring contacts in amplifier sockets, polarity of A battery reversed, C battery reversed or disconnected, short circuit or moisture in fixed condenser across primary of the first audio frequency transformer, or defective jacks or tube.

4 **Signals on detector weak but good with amplifier.** Batteries run down, A battery reversed, defective tuner connections, too much or too little grid leak resistance, poor grid connection in socket, aerial or ground disconnected or making poor contact, aerial grounded or against obstruction which is collecting the energy, too much or not enough B battery on detector tube plates, damp coils, dirty variable condenser, or short-circuited lightning arrester.

5 **Signals clear in detector but distorted in amplifier.** Too little B battery on amplifier, too much B battery without proper C battery bias, broken wire in amplifying transformer, poor socket contact, transformers too close together, too many stages of transformer coupling, too high ratio of transformers, transformer connections reversed.

6 **Knocking, scraping, scratchy sounds when tuning.** Dust between plates of variable tuning condensers, too much B battery on the detector tube plate, too much wire in tickler coil if using a regenerative detector, too much A battery because of rheostats being turned too high, poor socket contacts, or insufficient grid leak.

7 **Trouble same as 6, but which is not caused by tuning.** Poor connection to aerial or ground, aerial swinging or rubbing against some object, loose loop aerial connections, loose tube contacts, dirty tuning condenser plates, defective detector circuit jack, tubes burned too bright, not enough grid leak.

8 **Howls, hisses, effected by tuning.** Too much B battery, tickler advanced too far, tubes too bright, incorrect value grid leak, broken wire in tickler coil, poor ground or aerial connection, or dirty condenser plates.

9 **Same as 8 but not effected by tuning.** Too much filament current, too much detector B battery, short circuit in grid condenser, improper grid leak, poor socket spring contacts, transformers too close together or of too high a step-up ratio, too many stages of audio amplification.

10 **Wavering signals.** Leakage in aerial due to swinging or contact with some object, sooty, dirty insulators, loose bearings in condensers, poorly soldered wiring contacts, or possibly a "friend" blooping.

Sir Oliver's New N Circuit

LODGE, Eminent British Scientist and Inventor of Tuning, Now Brings to Light His Latest Discovery Which Practically Does Away with Tuned Aerial, "Blooping," and Will Aid Selectivity.

By MILO GURNEY

THERE is an old adage which goes—"If you want to know how fast this old world of ours is moving, try buying yesterday's newspaper." To which we might add: "If you want to know how fast Radio is moving, tell us who invented electrical tuning?" All of which is but a prelude to the announcement that the same authority who invented tuning is the inventor of the new N circuit which is creating such a furor in England—Sir Oliver Lodge.

Because of his prominence as a physicist and Radio authority, it is assured that the development of this circuit will be watched with much interest in this country.

In effect, the discovery includes a combination of inductances and capacities so arranged as to entirely prevent "blooping" while of even greater interest is the claim that the use of the circuit will materially add to the selectivity of one's receiver.

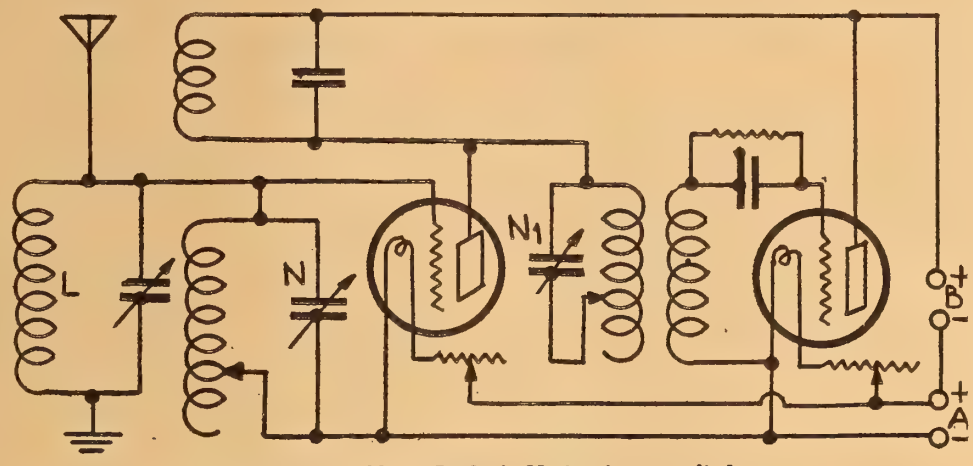


Figure 1. Sir Oliver Lodge's N circuit as applied to a tuned plate radio frequency amplifier and detector combination.

Data which would aid the builder in arranging the circuit have not been released. However, the principle involved and several applications of it have been secured by Radio Digest for its readers. These circuits are presented here in figures 1, 2, 3 and 4.

In order to understand the principle underlying the discovery, a rehearsal of the average conditions found in many circuits now employed in this country appears as important.

Where Present Receivers Fail

Our standard types of vacuum tube receivers fall below modern requirements in two important particulars. First, their efficiency as regards range is largely offset by their failure to secure a high standard of selectivity. Obviously, getting distant stations means little if one is to be troubled with excessive interference from stations which overlap. Second, the use of regeneration by careless hands in tuning often converts the receiver into a transmitter, making the night miserable for all.

It is only natural, therefore, that the broadcast listener should be much interested in any development which promises to affect an improvement in both of these directions. This is particularly true when such a discovery is sponsored by so eminent an authority as Sir Oliver Lodge.

In the early days of wireless, Sir Oliver was the first to discover the principle of electrical tuning, thus making it possible to radiate signals on a definite wave length. It was this discovery that laid the foundation for selectivity by enabling a receiver to be tuned so as to separate signals with varying wave lengths. In this latest contribution to Radio reception a remedy is provided for that particular abuse of tuning known as "condenser swinging."

While there are several methods now coming onto the market for balancing of a set so that it cannot energize an aerial, the Lodge method or N circuit, attacks the problem in characteristic fashion. In describing his invention, Sir Oliver lays particular stress upon the fact that it is intended primarily to prevent any kind of local disturbance. By this is not meant that excessive static, leaky power line noises, etc., are eliminated, but that no matter how unskilled the operator may be, or how carelessly the tuning controls are handled, the action of the N circuit prevents any radiation from the receiving aerial to which the set is connected. Of added interest is the statement that the circuit acts as a filter, operating solely by resonance, and on that account it should increase the selectivity of the receiver as a whole.

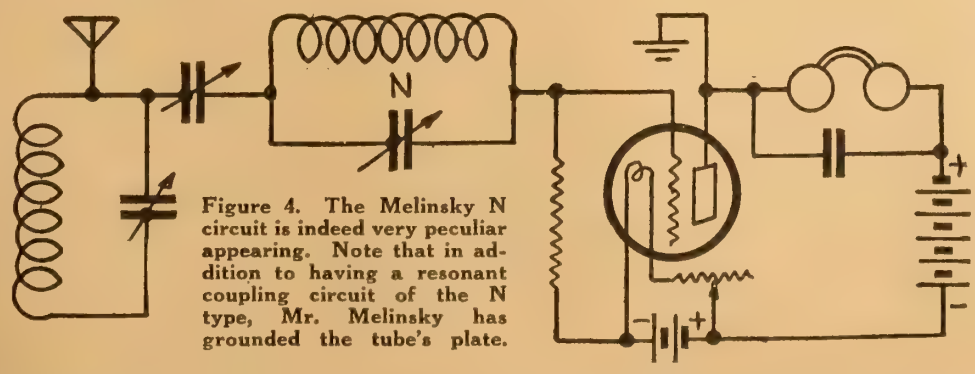


Figure 4. The Melinsky N circuit is indeed very peculiar appearing. Note that in addition to having a resonant coupling circuit of the N type, Mr. Melinsky has grounded the tube's plate.

Taps Off Side Potentials

In any open oscillating medium, such as an aerial, the are obviously alternating end potentials at its capacity terminals, as well as a varying potential everywhere (except possibly at the earth connection). It is these side potentials which, if tapped off, are sufficient to stimulate a responsive tuned circuit into oscillation. The potential oscillations of definite frequency built up in the N circuit are then transferred to the grid of an amplifying tube. In this manner selectivity is secured and with a desirable lack of distortion.

Figure 1 indicates the N circuit as applied to a tuned plate amplifier and detector combination. It will be noted that there is only a one point connection from the antenna to the N circuit, and that the latter is connected across the grid and filament input to the tube. A similar circuit (N1) is shown as

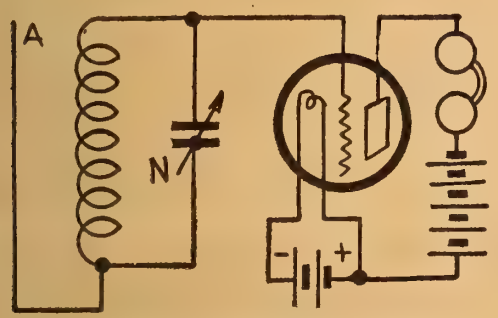


Figure 2. Here the aerial is employed only as an untuned collector for the tuned loop N.

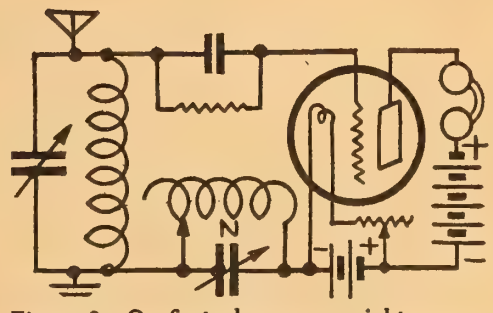


Figure 3. On first glance one might assume that this is a rejector circuit, but it isn't.

coupling the radio frequency to the detector tube. The single point connection between the antenna and the N circuit appears to be sufficient to energize the latter and thus build up oscillations of considerable amplitude by resonance.

Such oscillations are then applied across the grid and filament of the first tube and offer amplified plate currents in the ordinary manner.

Both magnetic and electrostatic coupling must be eliminated between the secondary and the N circuits, otherwise the main object of this novel arrangement is lost. It is likewise essential that the aerial and plate circuits should be isolated. By this we mean that all high frequency currents must be by-passed from flowing in the plate circuit.

Why Circuit Cannot "Bloop"

In operation the circuit provides a one way coupling between the aerial and the grid of the tube. As the N circuit is actuated by voltage rather than current, the energy transfer is small, although such voltages as are built up in the loop circuit N are such as to produce a pronounced effect in the plate circuit. Bear in mind that a vacuum tube is essentially a voltage operated device rather than a current operated one.

Because of the high resistance existing between the grid and filament of a tube, there is practically no diversion of this energy in the N circuit and as a consequence no damping effect.

In figure 2 is pictured the aerial as untuned and serves merely as a collector for the tuned loop N. Figure 3 is interesting, for at first glance, those who are familiar with the rejector, or so-called wave trap circuits will confuse their arrangement and assume that figure 3 is such a circuit. However, it is pointed out that such is not the case as rejector circuits are tuned to the wave length which one desires to eliminate.

Figure 4 shows a circuit developed by M. M. Melinsky, who is associated with Sir Oliver. This includes a novelty of application typical of this gentleman's versatility. In addition to utilizing a resonant coupling of the N type, it will be noticed that the output plate circuit is grounded. In addition the supply batteries are left "floating." (*Continued on page 30*)

Why Bloop Now?

THE "blooping" evil has just about subsided. At least it isn't what it was at the time of the last transatlantic tests. This is because, first, the public has been educated to "go easy" with its radiating sets, and replace them when it is utterly impossible to operate them without blooping.

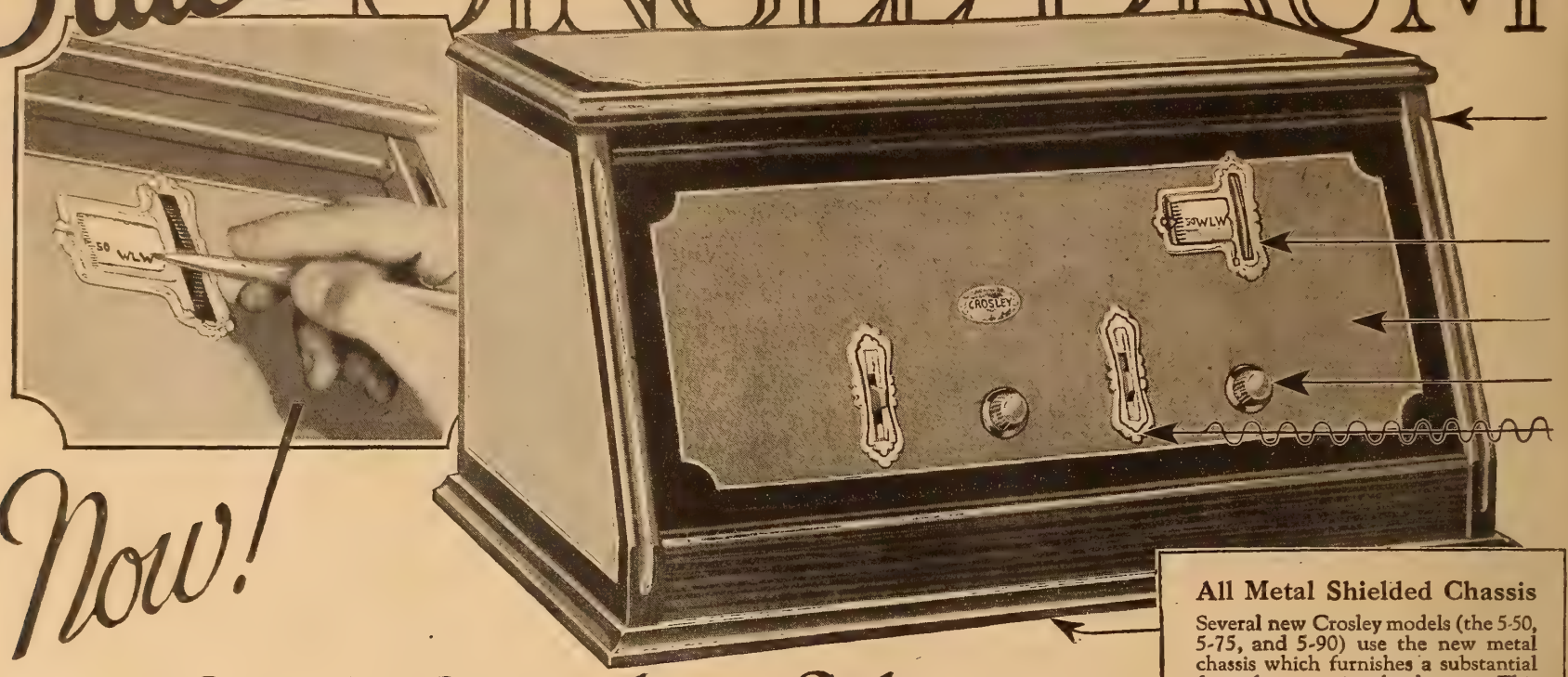
Then, secondly, the manufacturers have improved the designs of their receivers to get away from radiation. It is now possible to purchase a score of different makes of receivers that are absolutely non-radiating.

In other words, the "blooper" has gone out of style. His irate neighbors have helped to bring about the new order.

Now Sir Oliver Lodge, a trifle late we fear, has a new non-radiating circuit. It won't revolutionize the Radio industry. It isn't necessarily an improvement over 1925 or 1926 model receivers of the better manufacturers, but here it is—its good points enumerated—for you to look over.

—THE EDITOR.

5 tube SINGLE DRUM



Now!

Single Control *and* Selectivity

Amazement and delight will seize upon you the instant you contrast the surpassing performance of this new type of Crosley Radio with what has hitherto been considered radio perfection.

And you may well stand dumbfounded to find 5 tubes with single control embodied in its Drum Station Selector, the sharp tuning feature of its Acuminators, its adaptability to power output tube, and its beautiful appearance . . . in a radio set for $50!

Crosley mass production reaches its highest peak in giving the world this incomparable value. So magnificent are the radio engineering achievements in this new model that the price is positively astonishing.

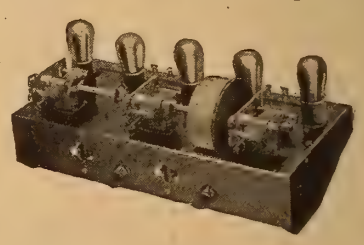
The cabinet is solid mahogany, beautifully finished in two-tone and striped in gold. Metal fittings are rose gold finish.

Never before such an astounding Crosley value. See it—hear it—operate it yourself—at any Crosley dealer's . . . now.

All Metal Shielded Chassis

Several new Crosley models (the 5-50, 5-75, and 5-90) use the new metal chassis which furnishes a substantial frame for mounting the elements. This effects excellent alignment of the gang of condensers, as well as affording a mounting for a rheostat, acuminators, crescendon, coils, sockets, transformers and insulation terminal strip.

This metal shielded chassis is divided into three compartments. Thus the units shielded from each other prevent



interstage as well as external coupling This improves the stability of the circuit and increases the selectivity as well. The metal shielded chassis is indeed a most progressive step in advanced radio design. This feature has never been offered before in sets of moderate price.

The Musicones—

The announcement of the new Super-Musicone is predicated on the success of the Regular (12 inch cone) Crosley Musicone in replacing hundreds of thousands of old type loud speakers. (Keep in mind that it's the exclusive Crosley patented actuating unit and *not* the cone that makes possible its wonderful performance). 12 inch Musicone Regular *now* $12.50.

The Crosley Super-Musicone (16 inch cone) is considered by some to develop more resonance in bass reproduction and is naturally louder than its 12 inch counterpart. Beautifully decorated both in front and on the back. Price $14.75.

The MUSICONSOLE into which the Musicone has been skillfully built, holds all batteries, wires and accessories. Two-toned mahogany finish. 24½ inches long inside. Price $32.

Crosley Musicones are manufactured under basic patents issued and pending, controlled by Crosley. Prices slightly higher West of the Rockies. For descriptive catalog write Dept.

THE CROSLEY RADIO CORPORATION, Cincinnati
Owning and operating WLW first remote control super-power broadcasting station in America.

Crosley manufactures radio receiving sets which are licensed under Armstrong U. S. Patent No. 1,113,149 or under patent applications of Radio Frequency Laboratories, Inc., and other patents issued and pending.

CROSLEY

[STATION SELECTOR] RADIO RECEIVER

SOLID MAHOGANY CABINET

Graphic Station Selector

All stations found instantly on this *one* single control. It revolves smoothly under slight pressure. Once stations are found, they are easily written on the drum. No log book to fuss with. Stations from one end of the wave band to the other are easily brought in at all times—IN THE SAME PLACE. This advanced improvement in station finding has heretofore been found only in the highest priced radios.

POWER TUBE ADAPTABILITY

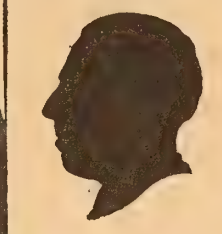
Crescendon Control

This exclusive Crosley feature supplies very unusual volume from distant stations. In cases where on ordinary radios ears must strain to catch the station many leagues away, the turn of the Crescendon on a Crosley swells the reception to room-filling volume. This Crosley feature has already given great satisfaction in the 4-29 and 5-38 models brought out early this year.

Acuminators

(*From "acuminate", meaning "to sharpen"*)

Heretofore single dial control sacrificed selectivity. It was practically impossible for sets located near broadcasting stations to tune them out and bring in distant stations. By means of these Acuminators, very sharp tuning is accomplished where the reception from stations spreads broadly over the dial. Under average conditions, when once adjusted, these acuminators do not have to be touched again.



$50.

5-TUBE SINGLE CONTROL RADIO

Priced without accessories

Crosley 1927 radio achievements fit all purses

At $9.75

The little double-circuit single-tube "Pup" has already brought happiness to thousands. If the thousands of reports sent to Crosley last winter are any indication, probably the greatest distances over which laymen have ever heard radio signals have been with this set.

At $29

The 4-29—a 4-tube receiver of amazing efficiency. Such radio performance has never before been possible at such a low price. Brought out early this season it quickly proved its right to a permanent position in the Crosley line. Crescendon equipped!

At $38

The 5-38—this 5-tube tuned radio frequency set incorporates two stages of non-oscillating radio frequency amplification, regenerative Crescendon controlled detector and two stages of audio frequency amplification. Sales and performance since its introduction mark the 5-38 as a spectacularly popular model and one of Crosley's most startling values.

At $65

The RFL-75—true cascade amplification; non-oscillating—non-radiating, regardless of how it may be mishandled. This perfect balancing is achieved by introducing the Wheatstone bridge into each stage of amplification—a clever engineering feature instantly recognized by radio technicians—and appreciated by the layman because of the selectivity and tone this set affords.

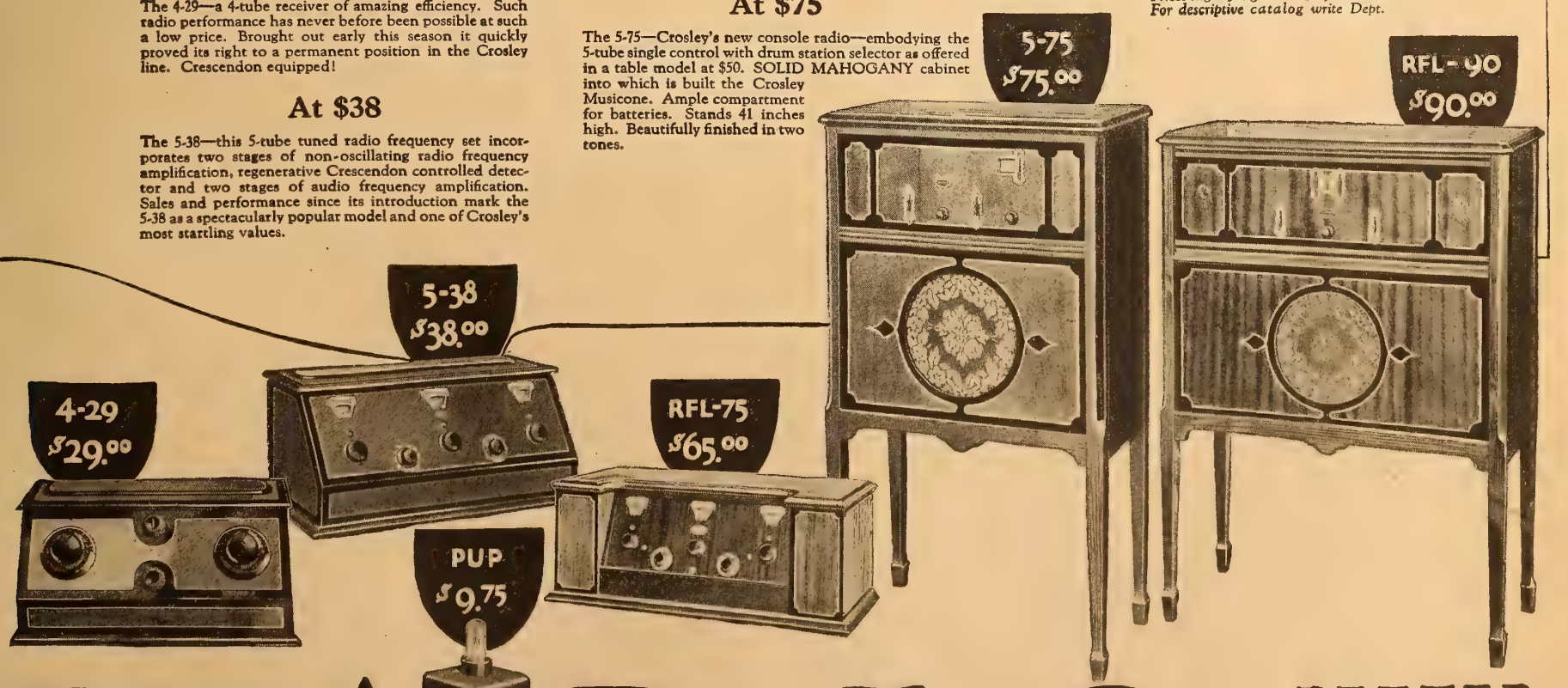
At $75

The 5-75—Crosley's new console radio—embodying the 5-tube single control with drum station selector as offered in a table model at $50. SOLID MAHOGANY cabinet into which is built the Crosley Musicone. Ample compartment for batteries. Stands 41 inches high. Beautifully finished in two tones.

At $90

The RFL-90—the console model of the $65 RFL circuit, introducing the double drum station selector! This is a fine radio engineering achievement offered in a beautiful housing of solid mahogany, finished and decorated so exquisitely as to grace the finest surroundings. MUSICONE built in—ample room for batteries and all accessories, 41 inches high, 30½ inches wide.

Prices slightly higher West of the Rockies.
For descriptive catalog write Dept.



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BETTER ... COSTS LESS

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Acknowledging Applause

OUR recent editorial, "Two Cents for a Program," has aroused much comment. Broadcasting stations have universally endorsed it. Listeners, as a whole, have condemned it. The broadcasters are not satisfied with the present mail-reaction or postal-applause. The public is satisfied that it is doing entirely too much applauding because stations do not take the trouble of acknowledging even by form letter or post card.

The trouble is with the invisible audience. They should not expect personal replies or even form post card replies to their letters or cards of applause. The expense to a station of attempting to answer the daily mail from listeners, especially if that volume of mail were as great as it should be, would be terrific and entirely prohibitive.

Listeners should not expect to receive answers to their letters to the stations. If the station studies its applause and directs its programs to meet the changing trend in the desires of its listeners, that is sufficient. If that station should, say once a year, mail a general picture post card of its studio and equipment or the like to the ten thousand or one hundred thousand listeners who have corresponded during the year, then those listeners should be highly elated and honored that the station should go to the expense of several thousand dollars just to send them tokens of favor.

When we go to the theater, to a recital or to vaudeville, we applaud what pleases us. The degree of our applause indicates the depth of our appreciation. Yet, although all we receive in return is a bow or curtsey, we feel amply repaid. The real reason for the applause is for an encore. If that is granted, we are paid in full for our applause. The artist, actor or performer does not call our names from the stage and thank us individually.

So it is with the broadcasting stations. They will endeavor to improve and repeat along the lines of the programs most favored by applause from the invisible audience. And such acknowledgment of our post cards and letters is indeed enough.

A Great Problem Solved

ALTHOUGH there are some twenty-five Radio stations in the Chicago district and cutthroat competition would be the natural thing, the "Windy City" station owners showed that the best interests of the industry as a whole come first and individual gain second by their recent successful cooperative broadcasting of the major events of the great Eucharistic Congress. Credit for this large undertaking should go to the member stations of the Chicago Broadcasters association, under whose direction the feat was accomplished.

Of all the stations in Chicago, only ten are members of the association, but these ten cover the broadcast band from 21 meters up to 536 meters. The stations included in the group are: WOK, 217 meters; WBCN and WENR, 266 meters; WGN, 303 meters; WLS, 345 meters; WEBH and WJJD, 370 meters; WMAQ and WQJ, 448 meters, and KYW, 536 meters. Of this group, WBCN, WGN, WEBH, WMAQ and KYW took active part in the broadcasting of the congress features, WJJD not participating on account of being unable to use A. T. & T. lines from Chicago to Mooseheart and WQJ giving its time to WMAQ.

Mechanically the broadcast was made possible through the use of the central board at the WLS Hotel Sherman studio into which seventy-six pairs of telephone lines are routed permanently by the Illinois Bell Telephone company. All events were picked up by a trunk line installed between WLS and the pickup point and then routed through the board to the various stations broadcasting the feature.

It is hoped that the Chicago Broadcasters association will combine to handle other events of national importance originating in their city. Other cities top-heavy with stations could do well in following the lead of Chicago. Local stations not members of the C. B. A. should take a hint and get on the band wagon if the better interests of Radio listeners are to be served.

RADIO INDI-GEST

A Radio Husband

Monday
Wife: "Pa, let's go to the theater,
You never go to a show."
Hubby: "We live in a different age, dear,
I go on my Radio."

Tuesday
Wife: "Mrs. Jones has asked us to play bridge,
I'd certainly like to go."
Hubby: "Oh! what's the use it bores me so,
I play on my Radio."

Wednesday
Wife: "I've tickets for the opera, dear."
Hubby: "Well, you'll have to go alone.
I'd ten times rather stay right here
And hear through my telephone."

Thursday
Wife: "Tonight you must work in the garden,
For grass seed you have to sow."
Hubby: "Oh! let George do it, I'm so tired;
I must work my Radio."

Friday
Wife: "I have a BIG surprise for you,
I've opened our piano.
I want to sing the old sweet songs
You liked so long ago."

Saturday and Sunday
Hubby: "Well!! if you are not the limit!
You are so selfish; you know
The only thing in the world I like
Are tunes in my Radio.

RHEA SHELDON

Painless Dentistry in Alaska

Fairice, Alaska.

Edator Indi-gest: There has been a agent hear in fairice celling Radio sets to the natives. He cells a nine Toob calld the Sooper Phoney Dine and it would kill you to lisstn over it. They is ceveral atachments to do house work and little odd jobs. They is one dile you tern to make it sead cherries and another you tern makes it polish false teath. The wires must have been twisted for a neybor tuck his teath out and putt them in the slot to be polished and when he twisted the dile to make it polish it pulled three teath out of his plait before he could get it terned off. The cherrie seader wire must been onto the dile where it said to polish teath. It was a good joak. Always as ever,

KITTLE DRUMMER

The Indi-Gest "Colyum"

Here's to the "Colyum" of Indi-Gest,
The column of comment, and poems, and jest,
Whose editor hears from many a pest
With a load he has just removed from his chest.

Contributions come in from the East and the West,
Some in good language versed, and some badly messed.
Some writers the editor ranks with the blest,
While others he'd like to place under arrest.

If your stuff is all right and passes the test
He will give it a place along with the best;
But if it is bum, or old stuff newly dressed
It will go in the basket beside Indi's desk.

GEORGE

Ole's Radio

By Cliff Tamm

Getzem All Radio Co.,
Yentlemen:

Two tree veeks ago Ay buy vun das har radeo sets you tal about in das radeo yournals. Ay read das little book what you send wid das set and ay do yust lak you say but das radeo he don't vork so goot, all ay can get is das Chicago stock yards ven dey iss killin das pigs. O yes vun time ay find a cat fite.

Das battery you send for das set bane in rain storm, he vas full of vater when ay get him, so ay dump it out on the ground and my chickens come to drink and ten of them aint any more.

You say in das book to turn set on till it osilate. Ay ask my friend in das hotel what means it osilate and he show me a lectric fan what goes back and fourth and he says das is osilate but das set he stands still like a dummy.

Ay dont know much about radeo but ay tank you make monkey shine wit me. Ay hope you are das same.

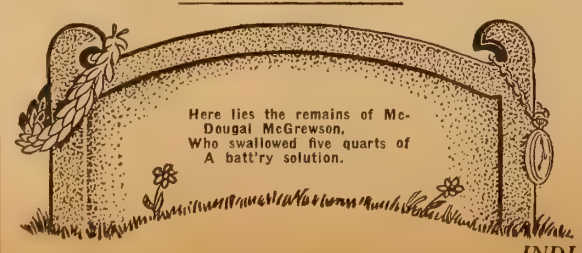
OLE HANSON

Intermission Idiosyncrasies

A. C. S. Announcing

"At 8:15, Anson Dudley Jones, an ex-president of the I. W. W. Welfare association will favor us with a short recitation entitled, 'The Light That Failed'. For your information we wish to state that this selection has nothing whatsoever to do with Rudyard Kipling's masterpiece. The nag Anson Dudley will rave about tonight only carried ninety-two pounds and blew the foundation out from under Anson Dudley's bank roll."

ARTHUR C. STOWELL



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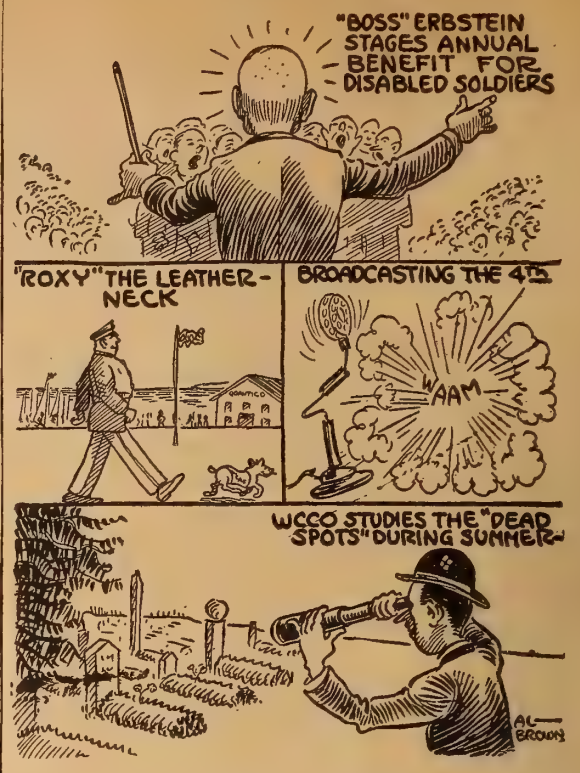
Current Events



Condensed

BY DIELECTRIC

If the early part of this summer had been sultry and as "staticy" as usual to the time of the year, you would have had a grouchy reviewer to contend with. As it is, the very first mention to be made of any programs refers to one of several heard from Station WHO, Des Moines. You readily see how the cool breezes encourage generous emotions for the subject under discussion is sopranos—or, more particularily, a coloratura soprano, and I have but the most favorable comment to make. Her selections, in part, were similar in range and composition to the Bell Song in Lakme, which is rather a difficult selection to render, and I wish to say that not only was this singer's intonation excellent but her tones throughout were well-rounded and of quality.

Station KDKA, the world's pioneer broadcaster, should provide any of you with the style of program appealing to your tastes, for I find the director of their studio has no pet feature which he rides to death, nor a superabundance of mediocre talent. Most all stations this time of year pay more attention to the lighter forms of entertainment and, undoubtedly, at your request. However, you may find classical features and lectures by looking through the columns of Radio Digest, as these are included on the programs of some stations every month of the year. From Pittsburgh's best known station you will always find variety numbers—both instrumental and vocal.

An outstanding event in Radio broadcasting during the past few weeks was the miking of the reception to Lieutenant Commander Byrd, through Station WOR, Newark, N. J., that modest explorer returned to the city from which his expedition started. New Yorkers were heard to give these courageous polar flyers a rousing welcome with bands playing, sirens shrilling, cheers and handclapping, both on the streets and in the city hall; then the addresses of praise, followed by Commander Byrd's disclaiming the honors heaped upon him. In a second of time we were a part of the chamber of commerce party awaiting his arrival there and listening to the encouraging reports of the progress of his party from the city hall.

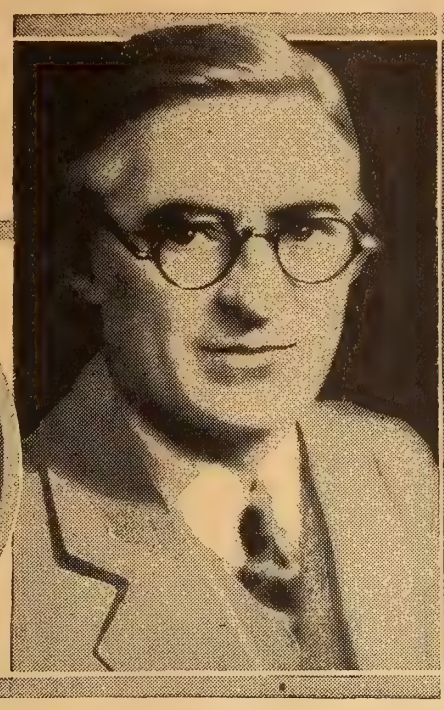
Another very pleasing entertainment was provided in one of the programs broadcast by Station WLW, Cincinnati. The Hotel Garfield Imperial Serenaders were responsible for this treat. They really are a very lively aggregation of musicians and keep one from twisting the dials to a new setting.

Station WHT, Chicago, is one of the many offering seasonal inducements to secure your attention, which, if given, will not result in disappointment. After listening to a wealth of amusement from the Wrigely studio, I decided the crown should rest upon the brow of a young lady with an intriguing voice who sang popular songs in that I'm-singing-to-you style, which calls for a clean shave and collar right away before she notices. Other features were good—but forgotten.

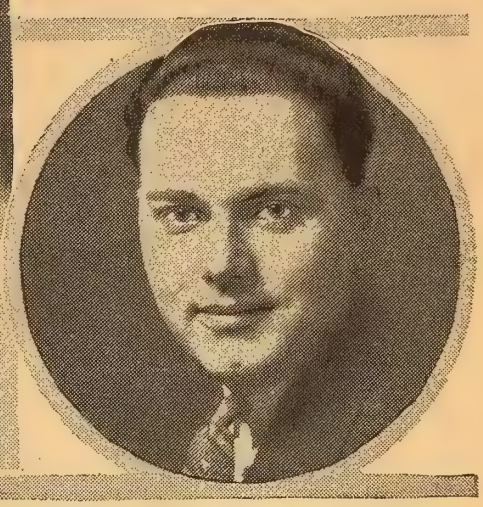
It is impossible to make mention of all the programs any station puts on the air during the periods between issues of this magazine, so you will find what we shall choose to call "excerpts" of the broadcasts. There's that station in Cincinnati with which we are all familiar and most of us enamored—WSAI. With plenty to choose from and lots to harp on, both sweetly and acridly, instead your attention is recalled to but one selection in a group of songs rendered by a baritone, the possessor of a very good voice for lyric singing. The Kashmiri song has been heard often over the Radio but never to better advantage.

POPULAR PACIFIC COAST ANNOUNCERS

At right, "Uncle" John Daggett, director and announcer of KHJ, Los Angeles, is one of the West's most popular voices. In the Northwest it is "Dick" R. V. Haller, below, of Station KGW, Portland, Ore.



At left, Charlie Wellman, announcer at KFWB, has a large following. Below is the much adored Harold Isbell, now of KNX, recently at KYW, Chicago, and before that at the mike of KFI, Los Angeles.



LOS ANGELES READY FOR BIG EXPOSITION

FOURTH NATIONAL SHOW IS SET FOR SEPT. 5 TO 11

Waldo T. Tupper Again Director General—Ambassador Auditorium Place —Prepare for Large Crowds

LOS ANGELES.—Radio dealers and broadcasters are working in unison in Los Angeles in preparation of the Fourth annual National Radio exposition which will be held in this city from September 5 to 11.

The show, which is expected to exceed in quality and interest the Radio exposition staged in Los Angeles last year, is predicted by members of the city's Radio Trades associations as being in all likelihood the equal of any Radio exposition held in the United States this year.

Waldo T. Tupper is again director general, and J. E. Hartley, president of the Los Angeles Radio Trades association, is working with him and a general exposition committee in perfecting the plans.

Ambassador Auditorium Selected

Dealers, manufacturers and manufacturers' agents are joining in plans for the exposition. They have agreed on giving willingly of their time in making the exposition as a whole, as well as their individual exhibits reflect the great growth which Radio has enjoyed in the last few years in Southern California.

Ambassador auditorium, on the grounds of the Ambassador hotel, which harbored the exposition for the last two years, again has been chosen for the locale. It is being redecorated to a considerable extent for the occasion, and to make room for all the exhibits demanded this year, the building is undergoing alterations.

The Southern California coterie of broadcast fans already is showing keen interest in the coming event. Due to the great number of homes and bungalows in California, Radio long has been a popular pastime with stay-at-homes.

Prepare to Entertain Crowd

Preparations are being made in Los Angeles for entertaining a vast crowd of Radio enthusiasts expected to attend from out of city points. As was the rule last year, it is planned to make the effect of the show permeate every quarter of the city and surrounding areas, even penetrating to adjacent states. Hundreds last year visited the show from Arizona and New Mexico points, and hotels in Los Angeles are already receiving inquiries from prospective guests.

Recognizing the value of the Los Angeles exposition, numerous eastern manufacturers have obtained space, according to Mr. Tupper.

Coney Island Fights on WHN

NEW YORK.—When fans tune in WHN programs on Friday nights for the rest of the summer they will be able to get the results of every boxing event going on at Coney Island stadium. George Utassey will be at the "mike" to tell about the matches.

ANGELUS TEMPLE REJOICES RETURN

Mourning Changes to Joy as the Escape of Aimee McPherson Is Celebrated

LOS ANGELES.—Reported by the press of the country and given up by her relatives as among the missing dead, Aimee Semple McPherson has returned to her flock at the Angelus temple and its broadcasting station, KFSG, little worse for the kidnaping adventure inflicted upon her except for the shock.

Following her discovery and identification in a hospital at Douglas, Ariz., she told a remarkable story of abduction and ransom and how she had been held a prisoner for six weeks in a shack on the Mexican side of the border near Sonora, while posses searched for traces of her, the ocean was dragged for her body, and her followers mourned.

Her captors were holding Mrs. McPherson for $500,000 ransom, she said, but she would not assist them in their efforts to collect. In an unguarded moment one day she escaped and ran toward the border until exhausted. An American found her and brought her to the hospital at Douglas.

Highest Towers in City of Los Angeles Are at KMTR

HOLLYWOOD, Calif.—July 1 marked the opening of KMTR's new studio on the top floor of the Terminal building, Hollywood's newest skyscraper and the most beautiful industrial building in the Los Angeles metropolitan district.

Two graceful steel towers adorn the top of the building, and, as it was constructed with the idea in mind, the Radio towers give a finishing touch to the artistic whole. The building, with the towers, comprise the highest building in Los Angeles, and KMTR's towers form a landmark that can be seen for miles around.

"Hollywood's Distinctive Station," KMTR, was recently purchased by the Echophone Manufacturing company from the K. M. Turner Radio company. The Echophone company formerly operated Station KFON at Long Beach, Calif.

WAIU, Columbus, Moves From City and Adds Power

COLUMBUS, O.—Before the end of July Station WAIU, owned and operated by the American Insurance Union, will have moved its transmitter outside the Columbus city limits and assumed a new power rating of 750 watts.

The new transmitter will be located in a plot set aside for it on the grounds of the Elks Country club, more than ten miles from the center of Columbus. All equipment will be new, including steel masts, bungalow-type power house and the broadcaster comprised of General Electric parts. Storage batteries will supply the power.

The exodus to the country club was scheduled tentatively to be completed by July 17.

WEAF Releases Dance Schedule for Summer

Six Orchestras Will Supply Eight Hours of Music Weekly

NEW YORK.—Realizing that the summer months bring with them the desire on the part of many of the younger listeners to dance, WEAF has arranged its schedule of dance music to provide ample syncopation by well-known orchestras at convenient times. The weekly time table, which shows a total of eight hours of music by six different orchestras, is given in Eastern daylight saving time and follows:

Monday evenings: 8:00-8:30, music from Park Lane Restaurant; 11:00-12:00, music by B. A. Rolfe's Palais d'Or orchestra.

Tuesday evenings: 10:30-11:30, orchestras in this list alternate weekly; 11:30-12:00, the Buffalodians from the Monte Carlo.

Wednesday evenings: 11:00-12:00, Pelham Heath Inn orchestra from Pelham Heath Inn, New York city.

Thursday evenings: 7:30-8:00, dance music from Park Lane Restaurant; 11:00-12:00, the Buffalodians from the Monte Carlo.

Friday evenings: 10:30-11:00, Jack Albin's orchestra from Marine Roof of Hotel Bossert; 11:00-12:00, Pelham Heath Inn orchestra from Pelham Heath Inn, New York city.

Saturday evenings: 10:00-11:00, Ben Bernie's orchestra from Hotel Roosevelt.

World's Largest Studios at Playing Card Station WSAI

CINCINNATI, O.—When WSAI celebrated its third anniversary recently with a nineteen hour continuous program, at the same time new and enlarged studios were christened by the United States Playing Card company's station.

WSAI's new plant includes an immense reception room, as large as the average hotel lobby, three artist studios, an ensemble studio capable of seating 100 musicians, a solo studio and a rehearsal studio. All these studios are connected by a common announcer's booth, where the director may handle programs from any studio. Adjoining this layout are the control operator's room, the artists' lounge and the director's office.

The new studios are believed to be the largest and most completely equipped in the world.

Governorship Aspirants on Air with Speeches at WCCO

MINNEAPOLIS.—Candidates for the governorship of Minnesota recently utilized Radio to present to the voters of the state their arguments for election. It was the first non-partisan Radio political rally ever held in the state, arranged by the League of Women Voters, and broadcast by WCCO, the Gold Medal station.

The candidates were Magnus Johnson and Tom Davis, Farm-Labor candidates, and Governor Theodore Christianson of Minnesota and George E. Leach, Republican candidates. They each spoke in alphabetical order for fifteen minutes.

SAN FRANCISCO WILL SHOW SET PROGRESS

EXPOSITION ON AUG. 21 TO 28 ANNOUNCES PLANS

Cooperative Merchandising Plan to Be Shown Dealers—100,000 Visitors Expected to Attend

SAN FRANCISCO.—Whether it is possible to make each major Radio exposition show as marked an advance in Radio engineering as the exposition previous will be one of the tests afforded the Pacific Radio exposition to be held in San Francisco, August 21 to 28, this summer.

Already the pennants of the new show are being flung to the breeze. The arrangements have been placed in the hands of a professional showman who has organized an efficient staff of experts to insure that San Francisco will maintain its standards of past years as an exposition city.

Anthony A. Tremp is the genius selected to bear the big individual responsibility and his past experiences are said to have made him the logical candidate for the job. He has been named the managing director.

Develop Cooperative Merchandising

One of the first operations of the committee staff was to develop a plan for cooperative merchandising within the industry. The objectives to this end have been established on the following basis:

To bring about closer acquaintanceship between manufacturers, their agents, distributors and dealers that they may know each other better and have a fuller understanding of the problems of each other.

To provide an opportunity for dealers and jobbers to meet factory representatives and discuss the sales angles on the various products in which they are interested and which they are taking on for the coming season.

All Dealers Asked to Attend

In furtherance of this plan the exposition committee through the Pacific Radio Trade association intends to provide season passes for every Radio dealer in northern California, Nevada, Utah, Southern Oregon and other surrounding territories.

It is estimated that 75,000 to 100,000 visitors will be attending the exposition. The Society of Radio Pioneers is planning to outdo the past success of its Midnight Frolic by staging it on a larger scale.

Chicago Stations Pick Up Legalized Illinois Fights

CHICAGO.—Boxing and Radio were associated recently when the first championship bout was staged since legalized fighting came back to Illinois. The preliminaries as well as the main bout between Rocky Kansas of Buffalo, lightweight champion of the world versus Sammy Mandell of Rockford, Illinois, the challenger, were broadcast by Stations KYW, WJJD, and WLS, and Stations WMAQ and WGN who came in on the main bout.

AN EVENING AT HOME WITH THE LISTENER IN
IN EASTERN (OR CENTRAL DAYLIGHT) TIME

Call	Location	Met.	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday
AT9	Fort Bragg, N. C.	435	Silent	6:00- 7:00	Silent	Silent	Silent	8:00- 9:55	Silent
CFCA	Toronto, Ont.	356.9	Silent	7:00- 9:00	6:45- 7:45	Silent	7:00-12:00	Silent	Silent
CFCN	Calgary, Alta.	434.5	12:00- 2:00	Silent	Silent	Silent	Silent	10:00-11:00	Silent
CJCA	Edmonton, Alta.	516.9	11:00- 1:00	9:30-10:30	9:30-11:30	9:30-10:00	8:00-10:00	11:00- 1:00	10:00- 1:00
CKAC	Montreal, Que.	410.7	6:15-10:30	1:45- 2:45	Silent	6:15-10:30	Silent	7:30- 8:30	Silent
CKCL	Toronto, Ont.	356.9	6:00- 7:00	2:00- 3:55	Silent	6:00-10:50	Silent	6:00- 7:00	Silent
CKNC	Toronto, Ont.	356.9	7:00- 9:00	Silent	7:00-10:00	Silent	Silent	Silent	Silent
CKY	Winnipeg, Man.	384.4	9:00-12:00	8:00-11:00	9:00- 1:00	Silent	8:30-12:00	9:30-12:00	Silent
CNRO	Ottawa, Ont.	434.5	7:30-12:30	Silent	Silent	Silent	7:30-12:30	Silent	Silent
CYL	Mexico City, Mex	480	Silent	10:24-11:54	Silent	10:24-11:54	Silent	Silent	10:24-11:54
CZE	Mexico City, Mex.	350	9:24-10:24	Silent	9:24-10:24	9:24-10:24	9:24-10:24	9:24-10:24	9:24-10:24
KDKA	Pittsburgh, Pa.	309.1	6:30- 9:55	4:00- 8:45	6:30- 9:55	6:30-12:35	6:30- 9:55	6:30-12:00	6:30-11:05
KFAB	Lincoln, Nebr.	340.7	6:30-11:30	5:00-12:00	6:30-11:30	6:30-11:30	6:30-11:30	Silent	6:30-11:30
KFDM	Beaumont, Texas	315.6	Silent	9:00-10:00	Silent	9:00-11:00	Silent	Silent	9:00-11:00
KFH	Wichita, Kan.	268	8:00- 9:00	8:15- 9:15	8:00- 9:00	8:00- 9:00	8:00- 9:00	8:00- 9:00	8:00- 9:00
KFI	Los Angeles, Calif.	467	9:00- 6:00	7:00- 2:00	9:00- 2:00	9:00- 2:00	9:00- 2:00	9:00- 2:00	9:00- 2:00
KFJF	Okla. City, Okla.	260.7	7:00- 2:30	3:30-12:45	7:00-11:45	7:00-11:45	7:00-11:45	7:00-11:45	7:00-11:45
KFKX	Hastings, Nebr.	288.3	6:30- 7:30	Silent	6:30-12:00	6:30- 9:00	6:30-12:00	6:30- 9:00	6:30-12:00
KFNF	Shenandoah, Ia.	263	8:00- 1:00	3:30- 9:30	8:00-10:00	8:00-10:00	8:00-10:00	8:00-10:00	8:00-10:00
KFOA	Seattle, Wash.	454.3	12:30- 2:00	Silent	10:00- 1:00	9:00- 2:00	10:00- 1:00	Silent	9:00- 2:00
KFON	Long Beach, Calif.	232.4	9:30- 3:00	9:30- 1:00	9:30- 3:00	9:30- 2:00	9:30- 2:00	9:30- 3:00	9:30- 3:00
KFQB	Fort Worth, Tex.	508.2	9:30-10:30	4:00- 9:30	9:30-10:30	9:30-10:30	Silent	9:30-10:30	9:30-10:30
KFUO	St. Louis, Mo.	545.1	8:45- 9:45	10:15-11:15	9:00-10:00	7:30- 8:30	10:15-11:15	Silent	10:30-11:30
KFVE	Univ'ty City, Mo.	240	10:15-11:15	Silent	10:15-11:15	10:15-11:15	10:15-11:15	Silent	10:15-11:15
KFWA	Ogden, Utah	260.7	11:00- 1:00	Silent	11:00- 1:00	Silent	11:00- 1:00	Silent	11:00- 1:00
KFWB	Hollywood, Calif.	252	9:30- 2:00	12:00- 2:00	9:30- 2:00	9:30- 2:00	9:30- 2:00	9:30- 2:00	9:30- 2:00
KFWI	San Francis., Calif.	226	Silent	11:00- 3:00	11:00- 3:00	Silent	11:00- 4:00	1:00- 3:00	11:00- 4:00
KFXF	Colorado Springs	250	11:00- 1:00	Silent	10:30-12:30	10:30-12:30	Silent	11:00- 1:00	11:00- 1:00
KGO	Oakland, Calif.	361.2	11:10- 3:00	6:30-11:30	9:00- 1:00	9:00- 1:00	9:00- 9:55	11:00- 3:30	9:00- 9:55
KGW	Portland, Ore.	491.5	9:00- 3:00	10:30- 1:00	9:00- 3:00	9:00- 3:00	9:00- 2:00	9:00- 3:00	9:00- 3:00
KHJ	Los Angeles, Cal.	405.2	10:30- 1:00	7:00- 1:00	Silent	10:45- 1:00	11:00- 1:30	11:00- 1:00	11:00- 1:00
KIAF	Sihtipok, Minn.	421	Silent	3:00- 4:00	8:00- 9:00	Silent	8:00- 9:00	Silent	8:00- 9:00
KJR	Seattle, Wash.	384.4	11:30- 1:00	8:00- 1:30	10:00- 1:00	10:00- 1:00	10:00- 1:00	10:00- 3:00	10:00- 1:00
KLDS	Independence, Mo.	440.9	9:00-10:00	7:30-11:00	Silent	9:00-12:59	Silent	9:00-10:00	Silent
KLX	Oakland, Calif.	508.2	10:00-10:30	Silent	9:30- 1:30	10:00-10:30	9:30- 1:30	10:00-10:30	9:30- 1:30
KMA	Shenandoah, Iowa	252	7:00-12:00	5:00- 7:00	7:00-12:00	7:00-12:00	7:00-12:00	7:00-12:00	7:00-12:00
KMMJ	Clay Center, Neb.	229	9:00-10:00	9:45-10:45	9:00-10:00	9:00-10:00	Silent	9:00-10:00	9:00-10:00
KMOX	St. Louis, Mo.	280.2	7:00-12:00	10:00-11:00	7:00-12:00	7:30- 1:00	7:30- 1:00	Silent	7:30- 1:00
KNX	Hollywood, Calif.	336.9	9:00- 5:00	9:30- 1:30	9:30- 3:00	9:30- 3:00	9:30- 3:00	9:30- 3:00	9:30- 3:00
KOA	Denver, Colo.	322.4	11:00- 1:00	8:30-10:45	8:30-12:15	8:30- 9:30	8:30- 2:00	8:30- 9:30	8:30-11:00
KOB	StateCollege, N.M	348.6	Silent	Silent	9:30-10:30	Silent	Silent	Silent	9:30-10:30
KOIL	Council Bluffs, Ia.	278	8:00- 4:00	8:00- 1:00	7:00- 1:00	7:00- 1:00	7:00- 8:15	7:00- 1:00	7:00- 1:00
KPO	San Francisco, Cal.	428.3	9:30- 3:00	9:00- 1:00	9:00- 2:00	9:30- 2:00	9:30- 2:00	9:30- 2:00	9:30- 3:00
KPRC	Houston, Texas	296.9	8:30-12:00	8:00- 1:00	7:30-11:30	8:30-11:00	7:30- 1:00	8:00-11:00	Silent
KPSN	Pasadena, Cal.	315.6	11:00- 1:00	11:45-12:45	Silent	11:00-12:00	Silent	11:00-12:00	Silent
KSD	St. Louis, Mo.	545.1	8:00-11:00	6:15- 9:15	9:00-12:00	7:00-10:30	7:00- 9:00	8:00-10:00	8:00-10:00
KSL	Salt Lake City, U.	299.8	10:00- 1:00	9:30-12:00	9:00- 1:00	9:00-12:30	9:30- 1:00	9:30- 1:00	9:30-12:00
KSO	Clarinda, Ia.	241.8	Silent	Silent	8:00- 9:00	8:00-10:00	8:00- 9:30	8:00-10:00	8:00- 9:30
KTAB	Oakland, Calif.	240	Silent	10:45-12:15	11:00- 1:00	11:00- 1:00	11:00- 1:00	12:00- 3:00	11:00- 1:00
KTBI	Los Angeles, Cal.	293.9	Silent	10:15-12:30	Silent	11:00-12:00	Silent	11:00-12:00	Silent
KTCL	Seattle, Wash.	305.9	Silent	12:10- 9:10	10:00-11:00	11:00-12:00	Silent	Silent	10:00- 3:00
KTHS	Hot Springs, Ark.	374.8	10:10-11:00	10:00-11:00	10:10-11:45	10:10-11:30	10:10-11:30	10:10-11:20	10:10-11:30
KTW	Seattle, Wash.	455	9:30-10:30	Silent	Silent	9:30-10:30	Silent	9:30-10:30	Silent
KWKH	Shreveport, La.	329.5	10:00- 1:00	8:00-12:00	10:00-12:30	10:00- 1:00	Silent	9:00-10:30	Silent
KWSC	Pullman, Wash.	348.6	Silent	Silent	10:30-12:00	Silent	10:30-12:00	Silent	10:30-12:00
KWWG	Brownsville, Tex.	278	7:00- 8:00	Silent	9:30-10:30	7:00- 8:00	7:00- 8:00	7:00- 8:00	7:00- 8:00
KYW	Chicago, Ill.	535.4	6:30-12:00	4:30-11:00	Silent	6:30-11:30	6:30-12:00	6:30-11:30	6:30-12:00
NAA	Radio, Va.	434.5	Silent	Silent	7:45- 8:00	7:45- 8:00	7:25- 8:40	7:45- 8:00	7:45- 8:00
PWX	Havana, Cuba	400	8:30-11:00	8:00-10:15	8:30-11:00	8:30-11:30	8:00-10:15	Silent	Silent
WADC	Akron, Ohio	258	6:30- 7:30	6:30- 7:30	6:30- 2:00	6:30-11:30	6:30- 7:30	6:30-10:00	6:30-11:00
WAHG	Richmond, N. Y.	315.6	11:00- 1:00	Silent	6:30- 1:00	Silent	6:30-11:00	Silent	7:00-10:00
WAIU	Columbus, Ohio	293.9	9:15-11:00	3:00- 4:00	6:00-11:30	6:00-12:00	6:00- 7:00	6:00- 7:00	6:00-12:00
WAMD	Minneapolis, Minn.	244	7:15-11:30	8:00-11:00	8:00- 1:00	Silent	8:00- 1:00	7:15- 1:00	7:15- 1:00
WBAL	Baltimore, Md.	246	Silent	7:30- 8:30	6:30-11:00	6:30-11:00	Silent	6:30-11:00	6:30-11:00
WBAP	Fort Worth, Tex.	475.9	8:30-12:00	6:00-12:00	8:30- 1:00	8:30-12:00	Silent	8:30- 1:00	8:30- 1:00
WBAR	Sisiht, Wis.	406	Silent	11:00-12:00	10:00-11:00	Silent	9:00-10:00	8:30- 9:30	Silent
WBBM	Chicago, Ill.	226	8:00- 2:00	4:00- 2:00	6:00- 7:00	8:00-12:00	8:00- 2:00	8:00-12:00	8:00-11:00
WBBR	Staten Island, N.Y	272.6	7:00- 9:00	8:00- 9:15	7:00- 8:00	Silent	Silent	7:00- 8:00	Silent
WBCN	Chicago, Ill.	266	9:00- 1:00	5:00-12:00	Silent	9:00- 1:00	8:00-12:00	9:00- 2:00	9:00- 1:00
WBZ	Springfield, Mass.	333.1	6:15- 9:00	5:00- 8:00	6:00-10:00	6:15-10:00	6:00-10:00	6:00-10:00	6:00-10:00
WCAE	Pittsburgh, Pa.	461.3	5:30- 8:30	4:00- 9:15	7:00-11:05	7:00-10:05	7:00-10:00	7:00-11:00	7:00-11:00
WCAP	Washington, D. C.	468.5	Silent	4:00- 8:45	6:30-10:00	Silent	6:30-10:00	Silent	6:30-12:00
WCAU	Philadelphia Pa.	278	Silent	4:00-10:00	6:30-10:00	5:30-10:30	6:30-11:00	5:30-11:30	5:45-10:30
WCBD	Zion, Ill.	344.6	Silent	8:00-10:30	Silent	8:00-10:30	Silent	8:00-10:30	Silent
WCCO	Minn-St. P., Minn	416.4	7:15-12:05	5:10-11:35	7:15-11:00	7:00-11:30	7:00- 1:30	7:15-12:05	7:15-12:05
WCOA	Pensacola, Fla.	222	12:00- 1:00	Silent	7:30- 8:30	Silent	7:30- 8:30	Silent	7:30- 8:30
WCX	Detroit, Mich.	516.9	6:00- 7:00	7:15- 8:15	6:00- 9:00	6:00-11:00	6:00- 9:00	6:00- 9:00	6:00-10:00
WDAF	Kansas City, Mo.	365.6	7:00- 2:00	5:00- 5:45	7:00- 2:00	7:00- 2:00	7:00- 2:00	7:00- 2:00	7:00- 2:00
WDBO	Winter Park, Fla.	240	9:00-10:30	5:00- 6:00	9:00-10:30	9:30-11:00	9:00-10:30	9:00-10:30	9:00-10:30
WDWF	Providence, R. I.	440.9	Silent	Silent	Silent	6:45- 7:00	6:45- 7:00	6:45- 7:00	6:45- 7:00
WEAF	New York, N. Y.	491.5	5:00-11:00	2:00- 9:15	5:00-11:00	5:00-11:00	5:00-11:00	5:00-11:00	5:00-11:00
WEAN	Providence, R. I.	270.1	5:30- 9:30	6:30- 7:45	5:30- 9:30	5:30- 9:30	5:30- 9:30	5:30- 9:30	Silent
WEAO	Columbus, Ohio	293.9	Silent	Silent	Silent	7:00- 9:00	8:00- 9:00	8:00-11:00	Silent
WEBH	Chicago, Ill.	370.2	7:00- 2:00	5:00- 9:00	Silent	7:00-12:30	7:00-12:30	7:00-12:30	7:00-12:30
WEBJ	New York, N. Y.	272.6	Silent	Silent	Silent	7:00- 9:00	7:00- 9:00	Silent	7:00- 9:00
WEEI	Boston, Mass.	348.6	6:10-10:00	5:00- 9:15	5:45-10:30	6:30-10:30	5:13-10:00	6:30-10:00	6:30-10:00
WEMC	BerrienSpgs., Mich.	285.5	Silent	8:15-10:10	8:15- 9:15	Silent	8:15- 9:15	Silent	Silent
WENR	Chicago, Ill.	266	6:00- 2:00	2:00-12:00	Silent	6:00-10:00	7:00- 2:00	6:00-10:00	6:00- 2:00
WFAA	Dallas, Tex.	475.9	7:30- 1:00	8:15- 1:00	7:30-10:30	7:30- 1:00	Silent	7:30-10:30	7:30-10:30
WFBH	New York, N. Y.	272.6	10:30- 1:00	4:00-10:00	10:30- 1:00	10:30- 1:00	10:30- 1:00	10:30- 1:00	10:30- 1:00
WFI	Philadelphia, Pa.	394.5	5:30-11:00	3:30- 4:30	6:00- 7:00	5:30-10:30	6:00- 7:00	5:30-10:00	6:00- 7:00
WGBF	Evansville, Ind.	236.1	Silent	Silent	Silent	8:15-11:00	Silent	Silent	8:00- 9:00
WGBS	New York, N. Y.	315.6	5:00-10:30	7:00- 8:00	6:00- 6:15	5:00-10:30	5:00- 7:30	5:00- 7:45	Silent
WGBU	Fulford, Fla.	278	6:30- 1:00	9:30-12:00	6:30- 1:00	6:30- 1:00	6:30- 1:00	6:30- 1:00	6:30- 1:00
WGCP	New York, N. Y.	252	7:30-11:00	2:00- 5:00	8:00-10:30	Silent	6:00- 8:15	9:30-12:00	6:00- 8:10
WGES	Chicago, Ill.	250	5:00- 1:00	5:00- 2:00	5:00- 7:00	5:00- 1:00	5:00- 1:00	5:00- 1:00	5:00- 1:00
WGHB	Clearwater, Fla.	266	6:30- 1:00	Silent	6:30- 1:00	6:30- 1:00	6:30- 1:00	6:30- 1:00	6:30- 1:00
WGHP	Detroit, Mich.	270	Silent	Silent	6:00- 1:00	6:00- 1:00	6:00- 1:00	6:00- 1:00	6:00- 1:00
WGN	Chicago, Ill.	302.8	6:45-11:00	3:00-11:00	Silent	6:45-11:00	6:45-12:30	6:45-11:00	6:45-11:00
WGR	Buffalo, N. Y.	319	Silent	5:00- 9:15	5:30-11:00	5:30- 8:00	5:30-11:00	5:30- 9:00	5:30-11:00
WGY	Schenectady, N. Y.	379.5	6:30-10:30	3:30-10:00	5:30- 9:00	5:30- 9:30	5:30- 9:00	5:30-11:30	5:30-11:30
WHA	Madison, Wis.	535.4	Silent	Silent	9:00-10:00	Silent	9:00-10:00	Silent	9:00-10:00
WHAD	Milwaukee, Wis.	275.1	Silent	4:15- 5:15	7:15-11:00	7:15- 8:00	7:15- 1:30	7:15- 8:00	7:15-11:00
WHAR	Atlantic City, N.J	275.1	6:30- 8:00	6:50- 9:00	6:30-11:00	6:30- 8:00	Silent	6:30-11:00	6:30- 8:00
WHAS	Louisville, Ky.	399.8	8:30-10:00	5:30- 6:30	Silent	8:30-10:30	8:30-10:00	8:30-10:00	8:30-10:00
WHAZ	Troy, N. Y.	379.5	Silent	Silent	9:00-12:00	Silent	Silent	Silent	Silent
WHB	Kansas City, Mo.	365.6	Silent	9:00- 2:00	8:00- 9:00	8:00-11:00	8:00- 9:00	8:00-11:00	8:00- 9:00
WHN	New York, N. Y.	361.2	Silent	2:00-11:30	5:30-11:30	5:00-12:00	5:00-12:00	5:00-12:00	5:00-12:00
WHO	Des Moines, Ia.	526	Silent	6:00- 1:00	8:30- 1:00	8:30- 1:00	7:00- 1:00	8:30- 1:00	8:30- 1:00
WHT	Chicago, Ill.	399.8	7:00- 1:00	7:00- 1:00	Silent	7:00- 1:00	7:00- 1:00	7:00- 1:00	7:00- 1:00
WIBO	Chicago, Ill.	226	6:00- 8:00	6:00-12:00	Silent	6:00- 2:00	6:00-12:00	6:00- 2:00	6:00- 2:00
WIP	Philadelphia, Pa.	508.2	7:15-11:05	6:15- 7:15	5:05- 7:00	5:05-10:30	5:05- 7:00	5:05-11:00	5:05- 7:00
WJAR	Providence, R. I.	305.9	Silent	5:00- 9:15	6:45-10:00	6:30- 9:00	6:30-10:00	6:45-10:00	6:45- 9:30
WJAS	Pittsburgh, Pa.	275.3	7:00-12:00	Silent	7:00-12:00	7:00-12:00	7:00-12:00	7:00-12:00	7:00-12:00
WJAX	Jacksonville, Fla.	336.9	8:00-10:00	7:30- 8:30	8:00-10:00	8:00-12:00	8:00-10:00	8:00-12:00	8:00-10:00
WJAZ	Chicago, Ill.	329.5	Silent	Silent	Silent	Silent	Silent	11:00- 1:00	Silent
WJJD	Mooseheart, Ill.	370.2	5:30- 1:00	3:00- 4:00	Silent	5:30- 1:00	5:30- 1:00	5:30- 1:00	5:30- 1:00
WJR	Pontiac, Mich.	516.9	7:00-12:30	Silent	7:00-12:30	7:00-10:00	7:00-12:30	7:00-11:00	7:00-10:00
WJZ	New York, N. Y.	454.3	6:00- 9:25	6:00-10:00	6:00-10:45	6:00-10:40	6:00-10:30	6:00-10:30	6:00-11:00
WKAQ	San Juan, P. R.	340.7	Silent	Silent	Silent	Silent	7:00- 9:00	7:00- 9:00	7:00- 9:00
WKAR	Lansing, Mich.	285.5	Silent	Silent	7:15- 9:00	7:00- 8:00	7:00- 9:00	7:00- 8:00	7:15- 9:00
WKRC	Cincinnati, O.	422.3	10:00-11:15	5:45-11:15	5:00-12:00	9:00-11:45	5:00-12:00	9:00-11:15	Silent
WLIB	Chicago, Ill.	302.8	7:00-12:30	5:00- 6:15	Silent	7:00-12:30	7:00-12:30	7:00-12:30	7:00-12:00
WLIT	Philadelphia, Pa.	394.5	6:30- 7:30	5:30- 7:00	7:15- 9:45	6:50- 7:50	7:00-10:00	6:30- 7:30	8:30-12:00
WLS	Chicago, Ill.	344.6	7:30-12:00	6:00- 7:55	Silent	6:40- 7:55	6:40- 1:00	6:40- 7:55	6:40-11:00
WLW	Cincinnati, O.	422.3	7:00-10:00	1:00- 9:30	7:00-11:00	6:00-10:00	7:00-12:00	7:00- 1:15	Silent
WLWL	New York, N. Y.	288.3	Silent	6:00- 7:00	7:00- 9:00	Silent	Silent	7:00- 9:00	Silent
WMAK	Buffalo, N. Y.	265.5	5:15-10:00	6:30- 7:30	6:30-10:00	5:15- 6:15	6:30- 9:00	6:15- 7:00	Silent
WMAQ	Chicago, Ill.	447.5	6:00-10:00	Silent	Silent	6:00- 9:55	6:00- 9:55	6:00- 9:00	6:00- 9:55
WMAZ	Macon, Ga.	260.7	Silent	Silent	10:00-11:00	8:00- 9:00	11:00-12:00	10:00-11:00	8:00-11:00
WMBB	Chicago, Ill.	250	7:00-11:00	3:00-11:00	Silent	7:00-11:00	7:00-11:00	7:00-11:00	7:00-11:00
WMBF	Miami Beach, Fla.	384.4	7:00- 1:00	7:00- 1:00	7:00- 1:00	7:00- 1:00	7:00- 1:00	7:00- 1:00	7:00- 1:00
WMC	Memphis, Tenn.	499.7	8:15-10:30	Silent	8:15-10:00	8:15- 1:00	Silent	8:15-10:45	8:15- 1:00
WMCA	New York, N. Y.	340.7	8:00-12:00	6:00- 9:00	8:00-11:00	7:00-11:00	8:00-11:00	8:00-11:00	7:00-10:45
WNAC	Boston, Mass.	280.2	5:00-10:00	2:15- 7:45	5:30- 9:15	5:00- 8:00	5:00- 9:00	5:00- 8:00	5:00-10:00
WNYC	New York, N. Y.	526	6:00- 9:30	8:00-10:00	6:35- 9:30	6:10-10:30	6:30- 9:30	6:35- 9:30	6:30- 9:30
WOAI	San Antonio, Tex.	394.5	Silent	8:30-11:30	Silent	9:30-10:30	9:30-10:30	Silent	9:30-10:30
WOAN	Lawrenceb'g, Tenn.	282.8	Silent	10:00-11:00	10:00- 2:30	10:00-11:00	10:00-11:00	10:00-11:00	10:00-11:00
WOAW	Omaha, Nebr.	526	7:00- 1:00	7:00-10:00	7:00-11:00	7:00- 2:00	Silent	7:00- 2:00	7:00-12:15
WOAX	Trenton, N. J.	240	Silent	8:30-10:30	Silent	Silent	Silent	Silent	Silent

Call	Location	Met.	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday
WOC	Davenport, Ia.	483.6	10:00-11:00	7:30-12:30	Silent	7:00-11:00	7:00-11:30	7:00- 1:00	8:30-12:00
WOI	Ames, Ia.	270.1	Silent	Silent	Silent	Silent	Silent	8:05- 9:30	Silent
WOK	Homewood, Ill.	217.3	10:00- 1:00	7:00- 1:00	Silent	10:00- 1:30	10:00- 1:30	10:00- 1:30	10:00- 1:30
WOO	Philadelphia, Pa.	508.2	6:30- 7:30	5:00- 6:00	6:30-11:00	6:30- 7:30	6:30-10:30	6:30- 7:30	6:30-10:30
WOOD	Grand Rapids, Mch.	242	10:00- 1:00	Silent	10:00- 2:00	10:00- 1:00	10:00- 1:00	Silent	10:00- 1:00
WOQ	Kansas City, Mo.	278	9:00-12:00	9:00-10:15	Silent	9:00-10:00	Silent	8:00-10:00	Silent
WOR	Newark, N. J.	405.2	5:15-11:00	Silent	5:15-11:00	5:15- 7:00	5:15-10:30	5:15- 7:20	5:15- 7:00
WORD	Batavia, Ill.	275	7:00-10:25	2:30-10:00	Silent	7:00-12:45	7:00-12:00	7:00-10:00	7:00-12:45
WOS	Jefferson City, Mo	440.9	Silent	6:00- 9:30	9:00-11:00	Silent	9:00-11:00	Silent	9:00-11:00
WPG	Atlantic City, N.J	299.8	5:45-11:00	2:15-10:00	5:45-11:00	5:45-11:00	Silent	5:45-11:00	5:45-11:00
WQJ	Chicago, Ill.	447.5	7:00- 3:00	3:00-10:00	Silent	7:00- 2:00	7:00- 2:00	7:00- 2:00	7:00- 2:00
WRC	Washington, D. C.	468.5	7:00-12:00	Silent	Silent	7:00-11:30	Silent	7:00-12:30	Silent
WREO	Lansing, Mich.	285.5	10:00-12:00	Silent	Silent	8:15-10:00	Silent	8:15-10:00	Silent
WRVA	Richmond, Va.	256	Silent	Silent	8:00-11:00	11:00- 1:00	8:00-11:00	8:00-11:00	7:00-11:00
WRW	Tarrytown, N. Y.	273	7:00-10:30	7:00-10:30	8:00-10:30	8:00-10:30	8:00-10:30	8:00-10:30	8:00-10:30
WSAI	Cincinnati, O.	325.9	8:00-12:00	7:45- 9:45	8:00-10:00	7:00-10:00	6:45-11:00	7:15-10:00	Silent
WSB	Atlanta, Ga.	428.3	9:00- 1:00	8:30-10:15	9:00- 1:00	9:00- 1:00	11:45- 1:00	9:00- 1:00	9:00- 1:00
WSBC	Chicago, Ill.	209.7	6:30- 4:00	6:30- 1:00	6:30- 7:00	6:30- 1:00	6:30- 1:00	6:30- 1:00	6:30- 1:00
WSM	Nashville, Tenn.	282.8	8:00-12:00	8:30-10:00	8:00-12:00	8:45-10:00	8:00-12:00	Silent	8:00-12:00
WSMB	New Orleans, La.	319	9:30-11:30	Silent	9:30-12:30	Silent	9:30-11:30	9:30-12:00	Silent
WSUI	Iowa City, Ia.	483.6	Silent	10:15-10:45	8:30-10:00	Silent	Silent	Silent	Silent
WSWS	Chicago, Ill.	275.1	6:00-11:00	6:00-11:00	Silent	6:00-11:00	6:00-11:00	6:00-12:00	6:00-12:00
WTAG	Worcester, Mass.	268	Silent	3:00- 9:15	6:00-10:00	6:45-10:00	6:40-10:00	7:00-10:00	7:15- 9:30
WTAM	Cleveland, O.	389.4	6:00-12:00	Silent	6:00- 1:00	6:00- 7:00	6:00- 1:00	6:00- 7:00	6:00- 7:00
WTIC	Hartford, Conn.	475.9	5:50-10:30	Silent	5:30-11:00	Silent	5:30- 9:30	5:50- 6:50	5:30-11:00
WWJ	Detroit, Mich.	352.7	Silent	2:00- 9:15	6:00-10:00	6:00- 8:00	6:00-10:00	6:00-12:30	6:00-10:00

STATIONS IN ORDER OF WAVE LENGTHS

Meters	Call	Meters	Call	Meters	Call	Meters	Call	Meters	Call	Meters	Call
209.7	WSBC	263	KFNF	282.8	WSM	336.9	WJAX	394.5	WOAI	467	KFI
217.3	WOK	265.6	WBCN	285.5	WREO	340.7	KFAB	399.8	WHAS	468.5	WCAP
222	WCOA	265.6	WENR	288.3	KFKX	340.7	WKAQ	399.8	WHT	468.5	WRC
226	KFWI	265.6	WGHB	288.3	WLWL	340.7	WMCA	400	PWX	475.9	WBAP
226	WBBM	265.6	WMAK	293.9	KTBI	344.6	WCBD	405.2	KHJ	475.9	WTIC
226	WIBO	268	KFH	293.9	WAIU	344.6	WLS	405.2	WOR	475.9	WFAA
229	KMMJ	268	WTAG	293.9	WEAO	348.6	WEEI	406	WBAR	480	CYL
232.4	KFON	270.1	WEAN	296.9	KPRC	350	CZE	410.7	CKAC	483.6	WOC
236.1	WGBF	270.1	WGHP	299.8	KSL	352.7	WWJ	416.4	WCCO	483.6	WSUI
240	KFVE	270.1	WOI	299.8	WPG	356.9	CFCA	421	KIAF	491.5	KGW
240	KTAB	272.6	WBBR	302.8	WGN	356.9	CKCL	422.3	WLW	491.5	WEAF
240	WOAX	272.6	WEBJ	302.8	WLIB	356.9	CKNC	422.3	WKRC	499.7	WMC
242	KSO	272.6	WFBH	305.9	KTCL	361.2	KGO	428.3	WSB	502.8	KFQB
242	WOOD	273	WRW	305.9	WJAR	361.2	WHN	428.3	KPO	508.2	KLX
244	WAMD	275.1	WHAD	309.1	KDKA	365.6	WDAF	434.5	CNRO	508.2	WIP
246	WBAL	275.1	WHAR	315.6	KFDM	365.6	WHB	434.5	CFCN	508.2	WOO
250	KFXF	275.1	WORD	315.6	KPSN	370.2	WEBH	434.5	NAA	516.9	CJCA
250	WGES	275.1	WSWS	315.6	WAHG	370.2	WJJD	435	AT9	516.9	WCX
250	WMBB	275.3	WJAS	315.6	WGBS	374.8	KTHS	440.9	KLDS	516.9	WJR
252	KFWB	278	KOIL	319	WGR	379.5	WGY	440.9	WDWF	526	WHO
252	KMA	278	KWWG	319	WSMB	379.5	WHAZ	440.9	WOS	526	WNYC
252	WGCP	278	WCAU	322.4	KOA	384.4	CKY	447.5	WMAQ	526	WOAW
256	WRVA	278	WGBU	325.9	WSAI	384.4	KJR	447.5	WQJ	535.4	KYW
258	WADC	278	WOQ	329.5	KWKH	384.4	WMBF	454.3	KFOA	545.1	KFUO
260.7	KFWA	280.2	KMOX	329.5	WJAZ	389.4	WTAM	454.3	WJZ	545.1	KSD
260.7	KFJF	280.2	WNAC	333.1	WBZ	394.5	WFI	455	KTW		
260.7	WMAZ	282.8	WOAN	336.9	KNX	394.5	WLIT	461.3	WCAE		

ANOTHER COW YARN; BOVINES VETO JAZZ

CINCINNATI.—The studio staff of Crosley WLW station here is not quite sure whether a fan who suggested a special program at four o'clock in the morning is serious or just kidding. He claims that a special program broadcast for the benefit of dairymen at that time would increase the production of milk and warns against playing jazz as most good cows do not like this type of music.

Canada Marks First Church to Go on Air

Tablet Is Unveiled in Service at Winnipeg Sanctuary

WINNIPEG, Man.—Four men recently took part in a little ceremony here that will stand as part of history. The occasion was the commemoration of the first service broadcast by Radio from a church in Canada on Easter Sunday, 1923. The church was the Fort Rouge United.

The four men who officiated in the simple ceremony were: Rev. E. F. Church, the pastor who preached the first Radio sermon from a church in the Dominion; D. R. P. Coats, announcer of CKY, who broadcast it; "Paddy" of the Winnipeg General hospital, who was a listener, and Rev. Dr. John MacLean, archivisit of the Manitoba Conference of the United Church of Canada, who remembers the days when electric lights and telephones were marvels scarcely possible.

Contributions were made by Radio listeners for the tablet which was unveiled. The inscription on it was matter of fact, "The first church service broadcast in Canada was held in this church on Easter Sunday, 1923. Rev. E. F. Church, B. A., pastor, was the preacher, CKY operating."

WGHB, Clearwater, Is Sold To New Ft. Harrison Hotel

CLEARWATER, Fla. — Station WGHB here, which has been operating for the Clearwater chamber of commerce since last January, has been sold to Ed. A. Haley, owner and builder of the new Fort Harrison hotel to be opened shortly. Mr. Haley plans to transfer the present equipment of WGHB to the Fort Harrison hotel and operate it in conjunction with the roof garden.

New call letters will identify the station at the opening of the Fort Harrison. The combination of WFLA, designating West Florida (W-FLA), is sought

KVOO DEDICATES SET WITH GALA PROGRAM

FAMOUS ANNOUNCERS AID IN CHRISTENING PARTY

New 1,000-Watt Western Electric 'Voice of Oklahoma' Opened by Southwestern Sales Corporation

TULSA, Oklahoma.—"KVOO, the Voice of Oklahoma, broadcasting its re-dedication program of twenty-four hours. On the occasion of the opening of our new 1,000-watt Western Electric set, we are glad to announce that Tulsa and Bristow are hosts to many prominent Radio personalities."

That was something like the announcement that greeted the ears of southwestern listeners recently when the new transmitter of the Southwestern Sales corporation, at Bristow, with studios in Bristow and Tulsa, officially went on the air.

Prominent indeed was the representative group of famous announcers that journeyed to help KVOO celebrate. The guests included Peter MacArthur of WOC, Davenport; G. C. Arnoux of KTHS, Hot Springs; Adams Colhoun of WFAA, Dallas; Henry Field of KFNF, Shenandoah, Iowa; Gayle Grubb of KFAB, Lincoln, Nebr.; Lester Palmer of WOAW, Omaha, and Bob Graham of KFJF, Oklahoma City. E. E. Plummer, editor of Radio Digest, was also a guest.

Business Welcomes New Station

Business was almost at a standstill in Tulsa and Bristow at the start of the twenty-four hour broadcast, opened by the speeches of Roy C. Griffin, manager of KVOO, and H. E. Rollestone, president of the Southwestern Sales corporation which owns and operates "The Voice of Oklahoma." The Rotary and Lions clubs and the Tulsa chamber of commerce turned out full memberships in joint meeting at the luncheon marking the opening.

Lawn parties, luncheons, tours and banquets filled the gala day. Two studios, the one at Bristow in the Hotel Roland and the other at Tulsa in the Hotel Mayo, were kept alternately busy with artists and programs announced by the guest announcers during the non-stop twenty-four hour program.

Four hundred prizes with a total value of $2,500 were presented to listeners sending in communications.

Hear WJZ in Jerusalem

NEW YORK.—On a postal card received from Major L. D. Gardner by C. B. Popenoe, manger of Station WJZ, the statement is made that WJZ was heard clearly in the ancient city of Jerusalem. The card is postmarked June 3, 1926.

EDUCATING CHILD BY RADIO TOPIC OF TALK

W. E. HARKNESS OF WEAF ADDRESSES EDUCATORS

Influence of Broadcasting on Children Is Analyzed—Further Study of Field Is Urged

PHILADELPHIA.—"The child in the home can and does tune in to any program that is available and can absorb many things which he would not otherwise hear. Under these conditions it is important that if Radio is to accomplish the greatest good for the greatest number it be in the hands of those who realize their responsibility to the listening public rather than in the hands of those who for publicity or other selfish purposes will depreciate this medium of communication."

So stated William E. Harkness, vice-president and general manager of the Broadcasting Company of America which operates Station WEAF in New York, in an address before the members of the National Education association meeting recently at the Garrick theater in Philadelphia.

Children Educated to Like Classics

Mr. Harkness' topic was "Radio and the Child." Before launching into his main theme he gave his listeners a good insight of the Radio situation in general. This included some interesting data which had been compiled from questionnaires and surveys made by several important publishers throughout the country and WEAF as well. One of these surveys determined the average listeners per set to be five.

As the result of another questionnaire, Mr. Harkness pointed out the fact that due to the children's choice of operatic and classical music it would seem to indicate that the efforts of the city and town schools to stimulate an interest in these classes of music have been effective.

In speaking of Radio and the newspaper, Mr. Harkness stated that the former would never supplant the latter, but on the other hand, both would have their own place, particularly in the field of education.

In closing Mr. Harkness stated: "So far the so-called educational program experiments. There has been no systematic planning by the broadcasters and educators. Much remains to be done individually and collectively before satisfactory results are obtained."

COSTUMES HELP CARRY ILLUSION

Broadcasting in costume helps carry the character over the microphone, many artists believe. "Betsy Ross," or Marie Rogge, who at one time gave sewing lessons to feminine fans of KPO, Hale Brothers, San Francisco, is shown as she appeared in the studio. Betsy Ross in nom de plume, she dressed Betsy Ross style.

SHORT WAVES

By Marcella

(Continued from page 2)

at WTAG. His description: age, 27; eyes, blue; hair, brown; height, 6 feet 2 inches; weight, 160 pounds; disposition, happy-go-lucky. He is a great favorite with both men and ladies, and is known all through Worcester and vicinity as "Our Chester" and as "New England's Favorite". Not only is he talented as an announcer but he plays the saxophone and accompanies at the piano excellently.

* *

"Ribs", where have you been? George Dewey Hay, otherwise known as the "Solemn Old Judge", has been director of WSM, Nashville, for a long time. He announces at times, sharing this work with Jack Keefe.

* *

Stephen Cisler, Jr., announcer at WAMD, Minneapolis, hastens to correct me regarding his past microphone experience. He has never announced from WOC or WHO. His career started at KOCH, Omaha and he substituted for a time last summer at KTHS. His recent employment took him from WDGY, Minneapolis, to WAMD. He has however, served as guest announcer at WOAW, WAAW, WLB, WHAT and WRHM.

* *

"Lottie" wants to have information regarding Tell Taylor and E. Clinton Keithley, singers. The former is a tall, stout fellow and works as a music publisher's representative, The latter is a middle-aged man who has composed a number of songs.

* *

No, "Interested One", I do not know where Mr. Leuchtman, former WCX announcer, is. Mary Tudor, WCX pianist, is at WJR. Her picture is on page 17 of this issue of Radio Digest.

* *

Walter Wilson, KYW's "Uncle Bob", is married, "Kathryn", but he has no children. But then, he philosophizes, whenever the kids have a party they invite him. He loves to take a pail of angle worms, a hook or two, and his wife to some convenient creek and fish.

* *

What deep secret would you like to know about your favorite broadcast star? Drop me a note, girls and boys, and I'll do my best to answer here. MARCELLA.

WOMEN'S PROGRAMS INDEX

Monday

Atlantic Eastern Central Mountain Pacific
10:30 a.m. 9:30 8:30 7:30 6:30
WWJ (352.7m-850kc), Tonight's dinner.

10:45 9:45 8:45 7:45 6:45
WTAG (268m-1120kc), Marjorie Woodman, nurse.

11:50 10:50 9:50 8:50 7:50
WMC (499.7m-600kc), Home economics discussion, Miss Kitty.

12 n. 11 10 9 8
WHT (399.8m-750kc) Women's club, Jean Sargent.
WQJ (447.5m-670kc), Home Economics program,

12:30 p.m. 11:30 10:30 9:30 8:30
WEBH (370.2m-810kc), Fashion and household talks.
WGBF (236.1m-1270kc), Cooking instructions.
WGN (302.8m-990kc), Home Management period.

12:35 11:35 10:35 9:35 8:35
KYW (535.4m-560kc), Table talk.

2 1 12 n. 11 10
KGW (491.5m-610kc), Household helps.
WSOE (245.8m-1220kc), Ladies' hour.

2:20 1:20 12:20 11:20 10:20
WGBF (236.1m-1270kc), Garden talk.

2:45 1:45 12:45 11:45 10:45
WQJ (447.5m-670kc), Home economics.

3 2 1 12 n. 11
WJZ (454.3m-660kc), "Your Daily Menu."

3:30 2:30 1:30 12:30 11:30
KFNF (263m-1140kc), Mothers' hour.

4 3 2 1 12 n.
WCCO (416.4m-720kc), Women's hour.
WSOE (246m-1220kc), Cooking chats.
WHB (365.6m-820kc), Ladies' hour.
WIP (508.2m-590kc), Market hints for housewives.

5 4 3 2 1
WOC (483.6m-620kc), Home management schedule, Aunt Jane.

6 5 4 3 2
KMOX (280.2m-1070kc), Housewives' hour.
WRC (468.5m-640kc), Housekeepers' half hour.

6:15 5:15 4:15 3:15 2:15
KYW (535.4m-560kc), Meat talk, John Cutting.

7:30 6:30 5:30 4:30 3:30
KPO (428.3m-700kc), Fashion notes.

1:15 a.m. 12:15 11:15 10:15 9:15
KGO (361.2m-830kc), "Character Training in the Home," E. Anderson.

Tuesday

Atlantic Eastern Central Mountain Pacific
10 a. m. 9 8 7 6
WIP (508.2m-590kc), Menu, Anna Scott.

10:30 9:30 8:30 7:30 6:30
WWJ (352.7m-850kc), Tonight's dinner.

10:45 9:45 8:45 7:45 6:45
WTAG (267.7m-1120kc), Talk to mothers.

11 10 9 8 7
KDKA (309.1m-970kc), Domestic Science. Arts for the Housewife.

12 n. 11 10 9 8
WHT (399.8m-750kc), Women's club, Jean Sargent.
WMCA (340.7m-880kc), Home Makers' club.
WQJ (447.5m-670kc), Home economics.

12:30 p.m. 11:30 10:30 9:30 8:30
WEBH (370.2m-810kc), Fashion and household talks.
WGN (302.8m-990kc), Home Management period.

2 1 12 n. 11 10
KGW (491.5m-610kc), Household Helps, shopping guide.
WGBF (236.1m-1270kc), Garden talk.

Atlantic Eastern Central Mountain Pacific
2:45 p. m. 1:45 12:45 11:45 10:45
WQJ (477.5m-670kc), Home Economics. Style chats.
WGBF (236.1m-1270kc), Garden talk.

3 2 1 12 n. 11
WJZ (454.3m-660kc), "Your Daily Menu," Mrs. J. Heath.

4 3 2 1 12 n.
WIP (508.2m-590kc), Menu talk.

4:15 3:15 2:15 1:15 12:15
WHO (526m-570kc), Recipes, household hints.

5 4 3 2 1
WOC (483.6m-620kc), Home management schedule.

6 5 4 3 2
KMOX (280.2m-1070kc), Housewives' hour.

6:30 5:30 4:30 3:30 2:30
KOA (322.4m-930kc), Housewives' matinee.

7 6 5 4 3
KOA (322.4m-930kc), Culinary hints, Clara Hoover. Fashion hints.

7:45 6:45 5:45 4:45 3:45
WPG (299.8m-1000kc), Fashion Flashes.

9:30 8:30 7:30 6:30 5:30
KGO (361.2m-830kc), As a Woman Thinketh.

Wednesday

Atlantic Eastern Central Mountain Pacific
10:30 a. m. 9:30 8:30 7:30 6:30
WWJ (352.7m-850kc), Tonight's dinner.

10:45 9:45 8:45 7:45 6:45
WTAG (268m-1120kc), Talk to Housewives, Mrs. Lydia Flanders.

12 n. 11 10 9 8
WEAO (293.9m-1020kc), Housekeepers' half hour.
WHT (399.8m-750kc), Women's club, Jean Sargent.
WQJ (447.5m-670kc), Home Economics program. Child Welfare talk. Fish dinner menu for Friday.

12:30 p.m. 11:30 10:30 9:30 8:30
WEBH (370.2m-810kc), Fashion and Household talks.
WGBF (236.1m-1270kc), Cooking instructions.
WGN (302.8m-990kc), Household management period.

12:35 11:35 10:35 9:35 8:35
KYW (535.4m-560kc), Table talk.

1:15 12:15 11:15 10:15 9:15
KMOX (280.2m-1070kc), Cookery, Gladys Kimbrough.

2 1 12 n. 11 10
KGW (491.5m-610kc) Household Helps, shopping guide.

2:20 1:20 12:20 11:20 10:20
WGBF (236.1m-1270kc), Garden talk.

2:45 1:45 12:45 11:45 10:45
WQJ (447.5m-670kc), Home economics.

3 2 1 12 n. 11
WJZ (454.3m-660kc, "Your Daily Menu."

4 3 2 1 12 n.
WCCO (416.4m-720kc), Woman's hour.
WHB (365.6m-820kc), Ladies' hour.

4:30 3:30 2:30 1:30 12:30
WLW (422.3m-710kc), Cooking school.

5 4 3 2 1
WOC (483.6m-620kc), Home management schedule, Aunt Jane.

5:30 4:30 3:30 2:30 1:30
KFNF (263m-1140kc), Flower talk.

5:40 4:40 3:40 2:40 1:40
WRC (468.5m-640kc), Housekeepers' chat.

Atlantic Eastern Central Mountain Pacific
6 p. m. 5 4 3 2
KMOX (270.2m-1070kc), Housewives' hour.
KOAC (280.2m-1070kc), Housekeepers' half hour.

7 6 5 4 3
KGO (361.2m-830kc), "Hints for Housekeeper."

8 7 6 5 4
KLX (508.2m-590kc), Woman's hour.
KMA (252m-1190kc), Domestic science talk.

8:45 7:45 6:45 5:45 4:45
WBZ (333.1m-900kc), Household management.

Thursday

Atlantic Eastern Central Mountain Pacific
10 a. m. 9 8 7 6
WIP (508.2m-590kc), Menu talk.

10:30 9:30 8:30 7:30 6:30
WWJ (352.7m-850kc), Tonight's dinner.

10:45 9:45 8:45 7:45 6:45
WTAG (268m-1120kc), Marjorie Woodman, nurse.

11 10 9 8 7
WEAF (491.5m-610kc), Talks, cookery lecture.

11:50 10:50 9:50 8:50 7:50
WMC (499.7m-600kc), Home economics discussion, Miss Kitty.

12 n. 11 10 9 8
WEAO (293.9m-1020kc), Housekeepers' half hour.
WEAR (389.4m-770kc), Home service talk.
WHT (399.4m-750kc), Women's club, Jean Sargent.
WMCA (340.7m-880kc), Food bureau program.
WQJ (447.5m-670kc), July 1, "Out of the Can Into the Picnic Basket." "More About Salads."

12:30 p.m. 11:30 10:30 9:30 8:30
WEBH (370.2m-810kc) Household and fashion talks.
WGN (302.8m-990kc), Home Management period.

12:35 11:35 10:35 9:35 8:35
KYW (535.4m-560kc) Table talks.

2 1 12 n. 11 10
KGW (491.5m-610kc), Household helps.
WGY (379.5m-790kc), July 1, "Midsummer Fashion Notes."

2:20 1:20 12:20 11:20 10:20
WGBF (236.1m-1270kc) Garden talk.

2:45 1:45 12:45 11:45 10:45
WQJ (447.5m-670kc), Home economics. July 1, "Clubs Revive Buffet Luncheons." "Shoes."

3 2 1 12 n. 11
WJZ (454.3m-660kc), Your Daily Menu.

3:15 2:15 1:15 12:15 11:15
WJZ (454.3m-660kc) "Wall Paper, Room by Room," A. Fillebroun.

4 3 2 1 12 n.
KSO (211.8m-1240kc), Woman's hour, Mrs. Margaret B. Russell.

4:30 3:30 2:30 1:30 12:30
WLS (344.6m-870kc), Homemakers hour.

5 4 3 2 1
WOC (483.6m-620kc) Home management schedule, Aunt Jane.

6 5 4 3 2
KMA, (241.8m-1240kc), Woman's hour.
KMOX (280.2m-1070kc) Housewives' hour.

6:30 5:30 4:30 3:30 2:30
KOA (322.4m-930kc) Housewives' matinee.
WCCO (416.4m-720kc) Women's club program.

7 6 5 4 3
KOA (322.4m-930kc) Culinary hints, Clara Hoover.

Friday

Atlantic Eastern Central Mountain Pacific
10:30 a.m. 9:30 8:30 7:30 6:30
WWJ (352.7m-850kc) Tonight's dinner.

Atlantic Eastern Central Mountain Pacific
11 p. m. 10 9 8 7
KDKA (309.1m-970kc) Domestic science and Arts for the Housewife.

12 n. 11 10 9 8
WEAO (293.9m-1020kc) Housekeepers' half hour.
WHT (399.8m-750kc) Women's hour, Jean Sargent.
WQJ (447.5m-670kc), Sunday dinner menu.

12:15 p.m. 11:15 10:15 9:15 8:15
KYW (535.4m-560kc) Meat talk.
WMCA (340.7m-880kc), Food bureau.

12:30 11:30 10:30 9:30 8:30
WEBH (370.2m-810kc) Household and fashion talks.
WGBF (236.1m-1270kc), Cooking instructions.
WGN (302.8m-990kc), Home Management period.

12:35 11:35 10:35 9:35 8:35
KYW (535.4m-560kc) Table talk.

2 1 12 n. 11 10
KGW (491.5m-610kc), Household helps.

2:45 1:45 12:45 11:45 10:45
WOAW (526m-570kc) Sunshine Sunday dinner menu.
WQJ (447.5m-670kc), July 2. "Your Child's Diet Now Means More Than You Realize." "How Do You Wash Your Dishes?"

3 2 1 12 n. 11
WJZ (454.3m-660kc) "Your Daily Menu," Mrs. J. Heath.

4 3 2 1 12 n.
WHB (365.6m-820kc), Ladies' hour.

4:05 3:05 2:05 1:05 12:05
WCCO (416.4m-720kc), Woman's hour.

3:15 2:15 1:15 12:15 11:15
WJZ (454.3m-660kc), "They Are Wearing."

4:15 3:15 2:15 1:15 12:15
WJZ (454.3m-660kc) "Solving Candy Problems,"

5 4 3 2 1
KYW (535.4m-560kc) Woman's hour.
WOC (483.6m-620kc) Home Management, Aunt Jane.

5:15 4:15 3:15 2:15 1:15
WMAQ (447.5m-670kc)

6:30 5:30 4:30 3:30 2:30
KOA (322.4m-930kc) Housewives matinee.

7 6 5 4 3
KOA (322.4m-930kc), Culinary hints. Fashion review.

11:30 10:30 9:30 8:30 7:30
KMOX (280.2m-1070kc) Housewives' hour.

Saturday

Atlantic Eastern Central Mountain Pacific
10:30 p. m. 9:30 8:30 7:30 6:30
WWJ (352.7m-850kc) Tonight's dinner.

12 n. 11 10 9 8
WHT (399.8m-750kc) Women's club, Jean Sargent.
WQJ (447.5m-670kc), Home Economics program.

12:30 p.m. 11:30 10:30 9:30 8:30
WEBH (370.2m-810kc), Household talks.
WGN (302.8m-990kc), Home Management period.

12:35 11:35 10:35 9:35 8:35
KYW (535.4m-560kc), Table talk.

2 1 12 n. 11 10
KGW (491.5m-610kc), Household helps, shopping guide.
KMA (252m-1190kc), Domestic science topics.

2:20 1:20 12:20 11:20 10:20
WGBF (236.1m-1270kc), Garden talk.

6 5 4 3 2
KMOX (280.2m-1190kc), Housewives' hour.

STATIONS TO FEATURE MUNICIPAL

HIGH LIGHTS OF THE AIR

SUMMER has not affected the quality of programs, only changed them in tone. Many municipal organizations such as the Baltimore City Parks orchestra and Municipal band, Denver Municipal band, New York Philharmonic orchestra and Newark Philharmonic band are bringing music of an outdoor type into the homes of millions. Band concerts may now be enjoyed by all on cool, moonlit evenings.

Continuity programs with a definite thread running through them are being given more and more by Radio stations. "On the Volga River," a John Clark production at WSWS, Thursday, July 15, is a program of this sort. Folk songs native of the country through which this river flows will be sung. Interesting bits of folk lore will be given, and the invisible listener will carry away with him a musical picture of a part of the world he has perhaps never seen.

A reading of unusual interest will be given from WMAQ, Friday, July 16, when Prof. B. G. Nelson of the University of Chicago gives a reading from "Cyrano de Bergerac." Alumni of the university who have taken public speaking with Prof. Nelson will enjoy tuning in.

WIP will take the listener who is not able to attend the Sesquicentennial into the middle of the great fair Saturday, July 17, and let him listen to the Episotic drama. As this great pageant unfolds the announcer will be the eyes of his audience.

Who does not remember Gertrude O'Neil Ganley whose mischievous fun made her such a favorite at the Gold Medal Station WCCO. She has been absent for some time but returns Saturday, July 17, to make up for lost time and to amuse her friends with some new readings.

Another program the Gold Medal station schedules this month which will attract listeners is the listing of Flor's Little German band, Saturday, July 24. All the old German favorites will be played as only a German band can play them. This is only one of the international dance programs being given at WCCO.

Is there anyone who does not know the Charleston? At least the dance floors refuse to give them away. But perhaps some poor wallflower unable to bend his knees in this famous dance will welcome WLW, Monday, July 26. Tune in quietly and take your first lesson, but, a little warning, do not try it with the earphones on.

Monday, July 26, is also to be famous because a popular pair well known to middle westerners, Clara Kurtz and her Chocolate Cake-Eater are entertaining this same evening at KOIL.

First aid to the campers is the new idea at WGHP, Detroit. And a good idea it is. You may find out during this Tuesday evening half hour how to carry less and yet better supplies, how to cook over an open fire and even what to do when it rains; in other words how to be a camper de luxe.

Finish off the month with that peppy bunch of artists, Ray Jones' orchestra and singers. Not only does this group play all the latest jazz songs but also sings them.

RUSSIAN dance music flo
lively group below conf
These young refugees hav
as the Russian Art troupe. WC
national dance music program
featuring these talented Russia
dance orchestra, and Flor's Li
and to the left are two young m
gentlemen who read our Marce
is a pretty little blues singer
Chicago station to another. S
from both WMBB and KYW,
regular entertainer at WJR.

Thursday, July 15

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
7 p. m.	6	5	4	3

WMCA (340.7m-880kc), Hofbrau Haus entertainers.

7:30	6:30	5:30	4:30	3:30

WRC (468.5m-640kc), WGY (379.5m-790kc), WJZ (454.3m-660kc), U. S. Marine band.

8	7	6	5	4

WTIC (475.9m-630kc), Scottie Millar.

9:30	8:30	7:30	6:30	5:30

WHAS (399.8m-750kc), Virginia Vetter's entertainers.

10	9	8	7	6

KGO (361.2m-830kc), Fishin' Jim Pike.

10:30	9:30	8:30	7:30	6:30

WOAI (394.5m-760kc), Mistletoe Melody Maids.

WPG (299.8m-1000kc), Johnny Hamp's Kentuckians.

11	10	9	8	7

WSWS (275.1m-1090kc), "On the Volga River," John Clark production.

12:20 a. m.	11:20	10:20	9:20	8:20

KGW (491.5m-610kc), Vaudeville, five twenty-minute acts.

1	12 m.	11	10	9

KNX (356.9m-890kc), Balboa Beach Nuts.

KPO (428.3m-700kc), Spanish songs, Francesca Ortega.

1:30	12:30	11:30	10:30	9:30

WJJD (370.2m-810kc), Knights of the Burning Candles.

1:45	12:45	11:45	10:45	9:45

WDAF (365.6m-820kc), Nighthawk frolic.

Thursday, silent night for: CHIC, CKNC, CNRA, CNRE, CNRO, CNRR, CNRT, CNRV, CNRW, KFAB, KFH, KFOA, KFUO, KMOX, KOA, KOB, WAHG, WCAP, WEAO, WEBJ, WGBF, WHAD, WHAZ, WMAK, WOOD, WOR, WOS, WSM, WSUI, WTAM.

Atlantic or Eastern Daylight Saving Time Stations

CKNC, Toronto, Can. (356.9m-840kc), 8 p. m., Charles E. Bodley and his dance orchestra; Elsie Addison, contralto; Arthur Bailey, tenor.

CNRM, Montreal, Canada (410.7m-730kc), 9 p. m., CNRM instrumental quartet.

CNRT, Toronto, Canada (356.9m-840kc), 6:30 p. m., Luigi Romanelli and his King Edward hotel concert orchestra; 10, CNRT string quartet.

WBBR, New York, N. Y. (272.6m-1100kc), 8 p. m., Josephine Locke, violinist; 8:10, Walter Stoll, tenor; 8:20, Bible lecture; 8:40, tenor; 8:50, violinist.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 5:30 p. m., Cathay orchestra; 7:30, Snellenburg symphony orchestra; 8, Saddlers Plantation serenaders; 8:30, Clifton's Anglers; 9, Barry O'Moore, Irish tenor; 9:45, Professor Doolittle; 10, recital; 10:15, Frank Worthington, baritone; 10:30, Eddie Campbell's orchestra; 11, Club Cadix revue.

WEAF, New York, N. Y. (491.5m-610kc), 4-12 midnight, Hotel Waldorf-Astoria orchestra; Meyer Davis Park Lane orchestra; Ther Serenaders; Hires Harvesters; Cliquot Club Eskimos; Silvertown Cord orchestra; Buffalodians.

WEEI, Boston, Mass. (348.6m-860kc), 7:30 p. m., Michael Ahearn, baritone; 7:45, musicale; 8, WEAF.

WFI, Philadelphia, Pa. (394.5m-760kc), 7:15 p. m., Keystone auto club feature; 8:15, WEAF.

WGBS, New York, N. Y. (315.6m-950kc), 6 p. m., Uncle Geebee; 6:30, music; 6:45, George Hall and his Royal Arcadians; 9, Guiseppe Leone, operatic baritone; 10:30, Royal Arcadians, Arcadia ballroom.

WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., Vincent Lopez' Hotel Statler orchestra; 8:11, WEAF.

WHAR, Atlantic City, N. J. (275m-1090kc), 8 p. m., Seaside hotel trio; 9, studio concert; 11, Follies Bergere dance orchestra.

WHN, New York, N. Y. (361.2m-830kc), 8 p. m., Will Oakland's chateau; 8:30, Loew's Gate theater orchestra; 9:30, Loew's 83rd St. theater orchestra; 10:30, Leroy Smith's orchestra; 11, Club Alabam orchestra; 11:30, Everglades orchestra; 12, Sophie Tucker's Playground orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 8, Hotel Ambassador orchestra; 8:30, Million Dollar Pier orchestra; 9, Hotel Ambassador concert orchestra; 9:30, Hotel Traymore concert orchestra; 10, Ted Weem's dance orchestra; 10:30, Johnny Hamp's Kentucklans; 11, Hotel Shelburne dance orchestra; 11:30, Silver Slipper revue.

WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Hotel Pennsylvania concert orchestra; 7:40, Judge, Jr.; 8, First National presentation, "It Must Be Love," WRC; 8:30, U. S. Marine band, WRC, WGY, WCAD; 9:30, Royal Typewriter Salon orchestra, WGY, WRC, WCAD; 11, WRC.

WLIT, Philadelphia, Pa. (394.5m-760kc), 7:30 p. m., Benjamin Franklin concert orchestra.

WMCA, New York, N. Y. (340.7m-880kc), 7 p. m., Hofbrau Haus entertainers; 8, Roemers Homers; 9:30, Columbia Park entertainers; 11, Ernie Golden and his Hotel McAlpin orchestra; 12, Broadway night.

WNYC, New York, N. Y. (526m-570kc), 6:10 p. m., piano selections.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Adelphia Roof Garden orchestra.

WOR, Newark, N. J. (405.2m-740kc), 6:15 p. m., Jacques Jacobs Hotel Shelton ensemble; 7, Jacques Jacobs Hotel Shelton ensemble.

WPG, Atlantic City, N. J. (299.8m-1000kc), 6:45 p. m., Arthur Scott Brook, organist; 7, Hotel Morton dinner music; 7:45, Hotel Ambassador dinner music; 9:30, Hotel Traymore concert orchestra; 10, Ted Weems' Novelty dance orchestra; 10:30, Johnny Hamp's Kentuckians; 11, Hotel Shelburne dance orchestra; 11:30, Silver Slipper supper club dance orchestra.

Eastern Standard or Central Daylight Saving Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 6:30 p. m., Pittsburgh Athletic association; 8:30, half hour with famous composers, Symphony players; 9, Symphony players; Ward Whitney, baritone; 10:05, Pittsburgh Post dance program.

KYW, Chicago, Ill. (535.4m-560kc), 6:30 p. m., dinner concert, Congress hotel; 8-9, "Twenty Minutes of Good Reading"; 9-10:30, classical program; 10:30-12, Congress carnival.

WADC, Akron, Ohio (258.5m-1160kc), 9 p. m., Silvertown Cord orchestra; 10, Roseland dance orchestra.

WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., WBAL dinner orchestra; 7:30-8, mixed quartet; John Wilbourn, tenor; 8-9, WBAL trio; 9-10, WBAL dance orchestra.

WBBM, Chicago, Ill. (225.4m-1330kc), 4-5 p. m., musical matinee, WBBM staff, other artists; 5-6, Eddie Hansen, organist; 8-9:30, Lee Sims, Kay Ronayne, contralto, "Hi and Si," Eunice Hoefer, organist; Alemite string trio, Jack Crawford's Alemite High Pressure orchestra, Howard Osburn's Vanity Fair cafe orchestra; 9:30-10:15, Moss Covered melodies; 10:15-10:30, Izaak Walton hour; 10:30-11:30, First National violin ensemble, Vic Fredericks, baritone; Maurice Silverman, tenor; WBBM staff; 11:30-12, Howard Osburn's Vanity Fair cafe orchestra, Jack Crawford's Alemite High Pressure orchestra.

WBZ, Springfield, Mass. (333.1m-900kc), 6 p. m., Hotel Kimball trio; 6:33, Hotel Lenox ensemble; 8, Robert Bates, organist; 8:30, Martino studios; 9, announced; 9:30, dance orchestra.

WENR, Chicago, Ill. (265.3m-1130kc), 6-7 p. m., Rauland lyric trio; 8-10, All-American Pioneers.

WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert; 10, WGHP Frolickers, Heck and Mac; Motortown trio; Eddie and Mrs. Eddie; 11, Skylark dance band; Winifred Huntoon, soprano; 12-1 a. m., Gerald Marks' orchestra.

WGN, Chicago, Ill. (302.8m-990kc), 6:45-7 p. m. request program; 8-9 WEAF; 9-10, WEAF; 10-10:10, Sam 'n' Henry; 10:10-10:20, Music Box; 10:20-10:30, great moments from grand opera; 10:30-11, WGN studio ensemble.

WHAR, Atlantic City, N. J. (275m-1090kc), 7:30 p. m., announced; 8, Seaside hotel trio; 9, studio concert; 11, Follies Bergere dance orchestra; Jimmy Carr, doctor of melody.

WJAZ, Chicago, Ill. (329.5m-910kc), 9-12 midnight, Spanish Garden studio; Franz Wagner, cellist; Frances Hunter, soprano; Jacob Hannemann, pianist; Kennard Barradell, tenor.

WJJD, Mooseheart, Ill. (370.2m-810kc), 7-9 p. m., music by children of all ages; solos, bands, etc.; 9-11, Palmer House Victorians, WJJD quartet; 11:30-12:30 a. m., Knights of the Burning Candle.

WLIB, Chicago, Ill. (302.8m-990kc), 7-7:05 p. m., Million sing; 7:05-7:15, Old Fashioned Almanack; 7:15-8, Drake concert ensemble; Blackstone string quintet; 11-11:20, Correll and Gosden; 11:20-1 a. m., Liberty studio ensemble; Ambrose Larsen, organist; Bobby Meeker's Drake hotel dance orchestra; Fred Hamm's orchestra.

WLS, Chicago, Ill. (344.6m-870kc), 6:30 p. m., Elsie Mae Look, organist; 6:45, Maurie Sherman's College Inn orchestra; 7, Elsie and Ralph, Lullaby time; 7:15, Rose Sherman, violinist, and Marie Ludwig, harpist; 7:30, Al Melgard, organist; 8:20-8:55, Mu Phi Epsilon program.

WLW, Cincinnati, Ohio (422.3m-710kc), 6:15 p. m., Norrine Gibbons, Priscilla Holbrook; 7, Robert Visconti's orchestra; 7:30, "Your Week-End Trip," Cincinnati Automobile club; 8, Salvation Army concert; 9, Buckeye Instrumental trio concert; 10, Theis' Castle Farmers; 10:15, Latonia Melody boys; 10:30, "Pep Golden," Al Kirschner, piano, saxophone duets; 12:15 a. m., Night Howls.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, orchestra; 8:25, Whitney trio; 9, Constance Eberhart, soprano; 9:30, Jack Chapman's orchestra.

WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon ensemble, Elizabeth Reohlk, cellist; Margaret Conrad, violinist; Preston Graves, pianist; Oriental musical program; 9-11, Trianon orchestra, Dell Lampe; Woodlawn theater orchestra, Armin F. Hand; Trianon ensemble; Joe Parsons, baritone; Jack Brewton, "musical saw"; Bob Smith, John Stamford, popular program.

WORD, Batavia, Ill. (275m-1090kc), 8 p. m., musicale; Sunday school lesson.

WOK, Chicago, Ill. (217.3m-1380kc), 6-7 p. m., string ensemble concert, Tip-Top Inn; 10-1:30 a. m., Tearney's Town club orchestra; Midway Garden orchestra; Pershing Palace orchestra; Katz and his Kittens' orchestra; Capitol theater program.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Gardens orchestra; Sheppard Levine, tenor; Jeanette Van Lennep, soprano; 10-2 a. m., Rainbo Gardens orchestra; Jerry Sullivan; Harry Geise; Lew Butler; Bert Davis; Frank Blasko, boy tenor.

WRC, Washington, D. C. (468.5m-640kc), 7 p. m., WJZ; 7:30, U. S. Marine band; 9, WJZ; 9:30, WRC players; 10:30, Meyer Davis' Swanee syncopators.

WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., Gold Standard ensemble; 8:15, WREO concert orchestra.

WRVA, Richmond, Va. (256.3m-1170kc), 8:45 p. m., Elizabeth City, North Carolina program; 11:45, Carry Me Back to Old Virginny.

WSAI, Cincinnati, Ohio (325.9m-920kc), 7:30 p. m., WEAF.

WSWS, Chicago, Ill. (275m-1090kc), 6 p. m., Rita McFawn, Hugh Aspinwall; 7, Edgar Balfour, baritone; Eulalia Kober, pianist; ballads, Ilona Kinz; Walter Lewis; 10, "On the Volga River," Terrace Gardens quintet; 11, orchestra; Glen A. Moffatt, pianist; Kenneth Clark, guitarist; Hugh Aspinwall; Gail Bandell, Myron Chon; 12 midnight, witching hour, Henri Therrien, orchestra. John Clark, Zola Haynes.

WTAM, Cleveland, Ohio (389.4m-770kc), 6 p. m., Hollenden hotel orchestra; 7:15, WEAF; 8, WEAF; 9, studio program; 11, Jack Horwitz Collegian serenaders.

WTIC, Hartford, Conn. (475.9m-630kc), 7 p. m., "Scotti" Millar; 8, For-an-to melody makers and Manchester male quartet; 9, Emil Heimberger's Hotel Bond dance orchestra.

WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7, WEAF.

Central Standard Time Stations

KFKX, Hastings, Nebr. (288.3m-1040kc), 9 p. m., musical program, Lincoln, Nebr.

KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., Margarette Teten Zeigenbein.

KFRU, Bristow, Okla. (374.8m-800kc), 6-9 p. m., surprise program.

KLDS, Independence, Mo. (440.9m-680kc), 8 p. m., Eileen Bowman, organist.

KOIL, Council Bluffs, Iowa (278m-1080kc), 6:03 p. m., Jamieson Oil duo; 6:30, Art Marr's Imperial orchestra; 7, Strawn Sisters; 8, Harmo-Jazz orchestra; 11, fretted instruments, Francis Potter.

KPRC, Houston, Texas (296.9m-1010kc), 7:30 p. m., J. Harry Kobusch and his orchestra; Carl Moritz, vocal entertainer; 9, Southern Pacific Lines' band.

KWCR, Cedar Rapids, Iowa (278m-1080kc), 12 midnight, frolics.

KWWG, Brownsville, Texas (277.6m-1080kc), 8:30-9 p. m., piano recital, Bertha Young; 9-9:15, Annie Tucker, soprano; 9:15-9:40, the Rancheros, Doc Dutro, harmonica; Tom Barber, pianist; P. K. McNair, guitarist; E. L. Nye, yodler; 12:01-1 a. m., novelty and jazz; E. C. Toothman, announcer; Beth Sewell and Florine Pierce, accompanists.

WCBD, Zion, Ill. (344.6m-870kc), 9 p. m., annual grand ensemble concert.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 7 p. m., WEAF.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., Billy Adair's orchestra; 11:45-1 a. m., Nighthawk frolic.

WFAA, Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m., Jimmy Joy's orchestra; 8:30-9:30, Little symphony orchestra.

WHAS, Louisville, Ky (399.8m-750kc), 7:30-9 p. m., Virginia Vetter's entertainers.

WHB, Kansas City, Mo. (365.6m-820kc), 7-7:30 p. m., Merrill Moore, organist; 8-9:15, Hawaiian trio.

WHO, Des Moines, Iowa (526m-570kc), 7:30-8 p. m., Philbreck and his Younker tea-room orchestra; 8-9, Bankers Life trio.

WOAI, San Antonio, Texas (394.5m-760kc), 8:30 p. m., Mistletoe Melody Maids.

WOAW, Omaha, Nebr. (526m-570kc), 6 p. m., Elks organ; 6:25, Francis Potter, banjoist; 6:50, orchestra; 9, classical.

WOC, Davenport, Iowa (483.6m-620kc), 6-6:30 p. m., WEAF; 7-9, WEAF; 9-9:30, Moline Plowboys.

WRR, Dallas, Texas (245.8m-1220kc), 6-7 p. m., Jack Gardner's orchestra; 8-9, musicale; 9:30-10:30, Dyo Duo.

WSMB, New Orleans, La. (319m-940kc), 8:30-10:30 p. m., Radio Revelers orchestra, Liberty theater orchestra.

WSOE, Milwaukee, Wis. (245.8m-1220kc), 7 p. m., Elks club studio; 8, Bible class, Dr. J. C. O'Hair; 9, WSOE Lakefront studio.

Mountain Standard Time Stations

CNRC, Calgary, Can. (435.8m-688kc), 9 p. m., Symphony orchestra.

KFXF, Colorado Springs, Colo. (250m-1200kc), 9 p. m., Mrs. Geo. A. Edwards, soprano; Eula Whitemore Mathews, pianist; Jimmie Stevenson, violinist; Elsie Hick, pianist; H. C. Beattie, Scotch songs.

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., popular song program; 8-9, varied program; 9-10, grand opera hour; 10-11, Patrick-Marsh dance orchestra, Betty Patrick, soloist.

KFWB, Hollywood, Calif. (252m-1190kc), 7-8 p. m., program, O'Neal and Sons; 8-9, program, McGavin Bros. Bakeries; 9-10, program, Dell's Ice Cream; 10-11, Warner Brothers frolic.

KGO, Oakland, Calif. (361.2m-830kc), 6-6:55 p. m., Bem's Little symphony orchestra; 8-9, touring information; Ramon Oden Hawaiian players; Fishin' Jim Pike; WOW male trio; 9-12, dance music.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8:20-10, vaudeville, "Yellow Kids," Ebony and Ivory; Brice Mortgage 5½ percenters; Tommy Luke's Flower Girls; 10-12, Cole McElroy's dance orchestra.

KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., Uncle John and the children; 8-10, Zoellner string quartet; 10-11, dance music.

KJR, Seattle, Wash. (384.4m-780kc), 8:30-10 p. m., Post Intelligencer studio program; 10-10:30, Benjamin Franklin Elec. company musical program; 10:30-12, "Keep Joy Radiating Order of Bats."

KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7 p. m., States restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel orchestra; 8-9, KPO string quartet; 9-10, Spanish songs, Francesca Ortega; 10-11, Mandarin cafe dance orchestra.

KPSN, Pasadena, Calif. (315.6m-950kc), 8-9 p. m., musical program, auspices Pasadena Chamber of Commerce.

KTAB, Oakland, Calif. (239.9m-1250kc), 7-7:30 p. m., shopping hour; 8-10, studio program.

Friday, July 16

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
8:30 p. m.	7:30	6:30	5:30	4:30

KFNF (263m-1140kc), Widney Sisters.

WEEI (348.6m-870kc), Neapolitan Dutch Girls quintet.

9:15	8:15	7:15	6:15	5:15

WMAQ (447.5m-670kc), "Cyrano de Bergerac." Prof. B. G. Nelson.

ORGANIZATIONS DURING SUMMER

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ans to give a series of inter-
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broadcast the Scandinavian
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umn. Billie Allen Hoff, left,
wanders around from one
singing at the present time
the right is Mary Tudor, a
sings and plays the piano.

EDUCATIONAL FEATURES

Monday

Atlantic	Eastern	Central	Mountain	Pacific	
6:30 p. m.	5:30	4:30	3:30	2:30	WNYC (526m-570kc), German lessons, V. H. Berlitz.
8	7	6	5	4	WDAF (365.6m-820kc), School of the Air.
1:15 a.m.	12:15	11:15	10:15	9:15	KGO (361.2m-830kc), Educational features.

Tuesday

Atlantic	Eastern	Central	Mountain	Pacific	
8 p. m.	7	6	5	4	WDAF (365.6m-820kc), School of the Air.
12 m.	11	10	9	8	KTAB (239.9m-1250kc), Mills college.

Wednesday

Atlantic	Eastern	Central	Mountain	Pacific	
6:30 p. m.	5:30	4:30	3:30	2:30	WNYC (526m-570kc), Spanish lesson, V. H. Berlitz.
8	7	6	5	4	WDAF (365.6m-820kc), School of the Air.
8:30	7:30	6:30	5:30	4:30	WBZ (333.1m-900kc), Radio Nature league.

Atlantic	Eastern	Central	Mountain	Pacific	
9 p. m.	8	7	6	5	WHB (365.6m-820kc), Automotive talk. WMAQ (447.5m-670kc), Lecture, Northwestern university.
11:30	10:30	9:30	8:30	7:30	KHJ (405.2m-740kc), Astronomy.

Thursday

Atlantic	Eastern	Central	Mountain	Pacific	
7:30 p. m.	6:30	5:30	4:30	3:30	WLW (422.3m-710kc), Educational talk.
8	7	6	5	4	WDAF (365.6m-820kc), School of the Air.
9:30	8:30	7:30	6:30	5:30	WOI (270.m-1110kc), Industrial Science, short course, "State Parks of Iowa."

Friday

Atlantic	Eastern	Central	Mountain	Pacific	
6:30 p. m.	5:30	4:30	3:30	2:30	WNYC (526m-570kc), French lesson.
8	7	6	5	4	WDAF (365.6m-820kc), School of the Air. WOAW (526m-570kc), "Musical Appreciation," Hester Bronson Copper.
11:45	10:45	9:45	8:45	7:45	KFWB (252m-1190kc), Nature talk.

Atlantic	Eastern	Central	Mountain	Pacific	
9:30 p. m.	8:30	7:30	6:30	5:30	KDKA (309.1m-970kc), Pittsburgh Musical institute. WGR (319m-940kc), Mrs. Decourcy Rose.
9:35	8:35	7:35	6:35	5:35	WRVA (256.3m-1170kc), Negro spirituals.
10	9	8	7	6	WBAL (245.8m-1220kc), City Parks orchestra. WBZ (333.1m-900kc), Preludinoff, pianist. WHO (526m-570kc), Herring Motor band.
10:30	9:30	8:30	7:30	6:30	WFAA (475.9m-630kc), Henri LaBonte's artists. WMAK (265.3m-1130kc), University Terrace serenaders.
11:10	10:10	9:10	8:10	7:10	WOOD (241.8m-1240kc), Ramona Radio revelry.
12 m.	11	10	9	8	WLIT (394.5m-670kc), Morning Glory club.

Friday, silent night for: CFAC, CKAC, CKNC, CKY, CNRC, CNRM, CNRO, CNRR, CNRW, KFXF, KLDS, KPRC, KPSN, KWWG, WBBR, WCAD, WCBD, WEAO, WGBS, WHAZ, WIP, WJAZ, WKRC, WLW, WLWL, WOR, WRC, WREO, WRVA, WSAI, WSMB, WSUI, WTAM.

Atlantic or Eastern Daylight Saving Time Stations

CNRT, Toronto, Canada (356.9m-840kc), 10 p. m., CNRT string quartet; Apollo male quartet.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:45 p. m., Hotel Pennsylvania orchestra; 7:30, Snellenburg instrumental trio; 8, Jackson's Whippets; 8:45, Dwight Strickland, "poetician"; 9, Regina Crooners; 9:15, Nasco Jolly Four; 9:45, Jack and Jill, songs; 10, Duke Moana, Hawaiian; 10:15, songs; 10:30, Myers' Musical Architects.

WEAF, New York, N. Y. (491.5m-610kc), 4-12 midnight, Happiness Candy Boys, La France orchestra; Whittall Anglo-Persians; Hotel Bossert Marine Roof orchestra; Pelham Heath Inn orchestra.

WEBJ, New York, N. Y. (272.6m-1100kc), 7 p. m., Blue Bell serenaders; 7:30, Luna's Knickerbocker grill orchestra; 8, Philip Krumboltz, baritone; Isabel Henderson, soprano; 8:30, Luna's Marine band.

WEEI, Boston, Mass. (348.6m-860kc), 6 p. m., Keith's Radio review; 7:30, Hiram and the Dairy Maids; 8, musicale; 8:30, Neapolitan Dutch Girls quintet; 9, WEAF; 9:30, Musical Chef; 10, WEAF; 10:30, WEAF.

WFI, Philadelphia, Pa. (394.5m-760kc), 3 p. m., Sesquicentennial program.

WGR, Buffalo, N. Y. (319m-940kc), 9 p. m., WEAF; 9:30, Mrs. Decourcy Rose and friends; 10, WEAF; 11-1 a. m., Vincent Lopez' Hotel Statler orchestra.

WHAR, Atlantic City, N. J. (275m-1090kc), 8 p. m., Seaside hotel trio.

WHN, New York, N. Y. (361.2m-830kc), 7 p. m., Charm club orchestra; 7:30, Treasureland Neighbors; 10, Palisades Amusement Park orchestra; 10:30, Strand roof orchestra; 11, Roseland dance orchestra; 12, Eddie Edward's Southerners from the Silver Slipper.

WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., George Olsen's Hotel Pennsylvania Roof orchestra; 8, Sanford Florida Sunshine hour; 9, Sundial Shoe serenaders, Bonnie Laddies; 10:30, Harold Stern's Hotel Belleclaire roof orchestra.

WLIT, Philadelphia, Pa. (394.5m-760kc), 8 p. m., recital; 8:15, Pioneer Storage Battery company entertainers; 9, Schickerling artists; 10, Morning Glory club concert; 10:30, Rufus and Rastus; 11, Freshman Masterpiece hour.

WMAK, Buffalo, N. Y. (265.3m-1130kc), 6:30-7:15 p. m., dinner music; 7:30-8:15, Musical Buffalo Athletic club; 8:15-10:30, WGY players; 10:30-11:30, University Terrace serenaders.

WMCA, New York, N. Y. (340.7m-880kc), 6:30 p. m., Ernie Golden and his Hotel McAlpin orchestra; 8:45, Broadway association; 9, Paul Whiteman's Picadilly players; 9:30, Klein's Serenading Shoemakers; 10, Norman Pearce, readings; 11, Jack Denny's orchestra; 11:30, Club Brighton orchestra; 12, McAlpin entertainers.

WNYC, New York, N. Y. (526m-570kc), 6 p. m., piano selections; 6:20, piano selections; 7:35, songs.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., orchestra; 8, WOO orchestra; 9, LaFrance orchestra; 9:25, Fox theater studio program; 10, WEAF; 11, dance music.

WOR, Newark, N. J. (405.2m-740kc), 6:45 p. m., Hotel Bretton Hall string ensemble.

WPG, Atlantic City, N. J. (299.8m-1000kc), 6:45 p. m., Arthur Scott Brook, organist; 7, Hotel Ambassador dinner music; 7:45, Hotel Shelburne dinner music; 8:15, high school music; 9, Hotel Ambassador concert orchestra; 9:30, Hotel Traymore concert orchestra; 10, dance orchestra; 10:30, Hotel Traymore grill dance orchestra; 11, Olson's dance orchestra; 11:30, Jean Weiner, organist.

Eastern Standard or Central Daylight Saving Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 5:30 p. m., dinner concert; 8:30, Pittsburgh musical institute.

KYW, Chicago, Ill. (535.4m-560kc), 8 p. m., Federal Master artists; 10:30-12, Congress carnival.

WADC, Akron, Ohio (258.5m-1160kc), 8 p. m., studio program; 10, Roseland dance orchestra; 12, midnite dance and Radio revue.

WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., WBAL dinner concert orchestra; 7:30-8, Howard Thatcher, organist; 8-9, musical program; 9-10, Baltimore City Parks orchestra.

WBBM, Chicago, Ill. (225.3m-1330kc), 5-6 p. m., Eddie Hansen, organist; 8-9, Safety Play period; 9-10, Glee Club Harmony four, Kay Ronayne, contralto; Lee Sims, "Hi and Si," Jack Crawford's High Pressure orchestra, Howard Osburn's Vanity Fair cafe orchestra, Eunice Hoefer, organist.

WBZ, Springfield, Mass. (333.1m-900kc), 6 p. m., Hotel Lenox ensemble; 9, Preludinoff, pianist; 9:30, Hotel Brunswick orchestra.

WENR, Chicago, Ill. (265.3m-1130kc), 6-7 p. m., Rauland lyric trio; 8-9, Moody Bible Institute evening hour; 9-10, Arthur Dunas popular program; 12-2 a. m., All-American Pioneers.

WGES, Chicago, Ill. (249.9m-1200kc), 8-9 p. m., Joie Walsh, Tom Wheeler, Frank Hayes, W. Remington Welch, Tiffin theater organ; 11-1 a. m., Billy Fagan, Lew Butler, Chick Mimmic, Esther Richards, Pat Ryan, Peggy O'Neill, Joe Morrison.

WGHB, Clearwater, Fla. (265.3m-1130kc), 8:30-10 p. m., pipe organ recital, Frederick Hubbard.

WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert, Hotel Tuller; 10-11, WGHP entertainers; 11-12, Skylark dance band; 12-1 a. m., Gerald Marks' orchestra.

WGN, Chicago, Ill. (302.8m-990kc), 6:45-7 p. m., request program, Drake concert ensemble, Blackstone string quintet; 7:15-8, Paul Ash's orchestra; 8-8:30, musical program; 8:30-9, Curfew Capers; 9-9:30, WEAF; 9:30-10, Phantom violin; 10-10:10, Sam 'n' Henry; 10:10-10:22, Music Box; 10:22-11, WGN studio ensemble.

WHAR, Atlantic City, N. J. (275m-1090kc), 8 p. m., Seaside hotel trio.

WJAZ, Chicago, Ill. (329.5m-910kc), 9-12 midnight, Earl Hoffman's Chez Pierre orchestra; the Quips that Pass in the Night; Joan Miller, contralto; Henry Meinke, pianist; Frank Mason, violinist; Chez Pierre Hawaiian quartet.

WJJD, Mooseheart, Ill. (370.2m-810kc), 4:45-7 p. m., Howard L. Peterson, organist; Palmer House symphony players; Compton's "I See by the Newspaper" man; Palmer House Victorians; 7-9, music by children of all ages; solos, band, etc.; 9-11, Senator Harold C. Kessinger, Palmer House Victorians; Jean St. Anne; 11:30-12:30 a. m., Settin' Up hour.

WLIB, Chicago, Ill. (302.8m-990kc), 11-11:20 p. m., Correll and Gosden; 11:20-1 a. m., Liberty studio ensemble; Drake hotel dance orchestra; Fred Hamm's orchestra.

WLS, Chicago, Ill. (344.6m-870kc), 6:30 p. m., Elsie Mae Look, organist; 6:45, Maurie Sherman's College Inn orchestra; 7, Elsie and Ralph in lullaby time; 7:15, Rose Sherman, violinist; Marie Ludwig, harpist; 7:30, Al Melgard, organist; 8:30, Grace Wilson, contralto; 10, popular music program; 11-12, Ralph Emerson, organist.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:20, Wide-awake club; 8, George Simons, tenor; 8:15, readings, "Cyrano de Bergerac," Prof. B. G. Nelson; 9:30, Madame Ella Spravka, pianist.

WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon duo, Frank Bordner, baritone; John Stamford, tenor; WMBB male trio, Fella Cook, contralto; Harold Thorpe, pianist; old home songs program; 9-11, Trianon orchestra, Dell Lampe; Woodlawn theater orchestra, Armin F. Hand; Kreuger and Duilon, "The Banjo Barons"; WMBB male trio; Cecil and Esther Ward, Hawaiian guitar duo; Bob Bennett, piano and celeste novelties; in popular program.

WOK, Chicago, Ill. (217.3m-1380kc), 6-7 p. m., Tip-Top Inn string ensemble concert; 10-1:30 a. m., Tearney's Town club orchestra; Midway Gardens orchestra; Pershing Palace orchestra; Katz and his Kittens' orchestra; Capitol theater program.

WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9 p. m., classical concert; Van Wyck's instrumental quartet; 10:10, Ramona Radio revelry; Ramona Gardens orchestra.

WORD, Batavia, Ill. (275m-1090kc), 7 p. m., North Shore line; 7:45, news; 9, program.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Gardens orchestra; Maridean Borresen, baritone; Peter Grosso, tenor; Jean Carlson, soprano; 10-2 a. m., Rainbo Gardens orchestra; Flo and Ray; Romo Vincent, boy baritone; Muriel Olsen, contralto; Johnny Poat, baritone.

WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., Gold Standard ensemble; Speed-Wagon serenaders.

WRVA, Richmond, Va. (256.3m-1170kc), 7 p. m., Hotel Richmond orchestra, dinner music; 8:35, Negro Spirituals, Negro chorus, dialect stories from the Southland; 10, Golden Gate Syncopators orchestra; 11, Carry Me Back to Old Virginny.

WSWS, Chicago, Ill. (275m-1090kc), 6 p. m., Georgia Gray, violinist; John Clark, baritone; Zola Haynes, orchestral; Oscar Heather, tenor; 8, orchestra; East Chicago community quartet; 12 midnight, witching hour; orchestra; John Clark; Zola Haynes; Edgar Balfour Eastman, musical star.

WTAM, Cleveland, Ohio (389.4m-770kc), 6:30 p. m., Hotel Cleveland orchestra; 8, Euclid Beach Park orchestra; 9, WEAF; 9:30, Hawaiian program; 11, Euclid Beach Park orchestra.

WTIC, Hartford, Conn. (475.9m-630kc), 7 p. m., Laura C. Gaudet, piano recital; 7:15, "Fiddle an' Bee"; 7:30, Colt Park Municipal dance orchestra; 8:30, First Presbyterian church quartet of Bridgeport, Conn.; 9:30, WTIC's mail bag; 9:45, "Debutants" period.

WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 8, Detroit News orchestra; 9, WEAF.

Central Standard Time Stations

KFKX, Hastings, Nebr. (288.3m-1040kc), 9 p. m., musical program, Hotel Clarke studio.

KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., S. S. lesson discussion; 7:30, Widney sisters.

KFRU, Bristow, Okla. (374.8m-800kc), 6-9 p. m., Josephine Storey-White.

KMA, Shenandoah, Iowa (249.9m-1200kc), 9-11 p. m., mixed musical program.

KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., Jacquinot Jules, organist; 7, KMOX Radio orchestra, Buster's saxophone quintet; Buster's Canaries; 8, KMOX Radio orchestra; A. W. Snyder, accordion soloist; C. L. Weatherwax, Jr., baritone; 9, KMOX Radio orchestra; Eva Sirwell, Bill Snyder; 9:30, Bamalogue; 10, KMOX Radio orchestra; Helen Musick, soprano.

KOIL, Council Bluffs, Iowa (277.6m-1080kc), 7:30 p. m., Paramount program, Mrs. Henry Danneel, soprano; 8:30, Dresher Brothers, Inc., Omaha; 11, Hotsy-Totsy hour.

KWCR, Cedar Rapids, Iowa (278m-1080kc), 9 p. m., studio program.

WBAP, Fort Worth, Texas (475.9m-630kc), 7:30-8:30 p. m., Allene Patterson Duff, contralto; 9:40-11, Mineral Wells Chamber of Commerce.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6:15 p. m., Hugo Philler Goodwin, organist; 8, WEAF; 8:30, Sumpmann trio; Mabel Pelletier, contralto; Wayne Hugelboom, pianist; Paul Oberg, accompanist; 10:05, Nankin cafe orchestra.

WCOA, Pensacola, Fla. (222m-1350kc), 7 p. m., recital, First Presbyterian church choir; David Lloyd, tenor; Mrs. Henry S. Brown, contralto; John D. Thomas, pianist; witticisms, Dr. C. H. Nabers; H. I. Seaburg, vocal solos; Hawaiian melodies, Churchill and Fillingim.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., Harry Frank, organist; 8-8:30, WEAF; 8:30-9:30, varied musical program; 11:45-1 a. m., Nighthawk frolic.

WFAA, Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m., Artie Collins and his orchestra; 8:30-9:30, Henri La Bonte's artists musicians.

WGBF, Evansville, Ind. (236m-1270kc), 7 p. m., dance musical; 8, auto tour.

WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., concert, auspices of Liberty Insurance bank.

WHB, Kansas City, Mo. (365.6m-820kc), 7-8 p. m., Sweeney Radio orchestra.

WHO, Des Moines, Iowa (526m-570kc), 7:30-8 p. m., Philbreck and his Younker tea-room orchestra; 8-9, Herring Motor band; 11-12, Philbreck and his Younker tea-room orchestra.

WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Hotel Gayoso orchestra; 11, Bob Miller.

WOAI, San Antonio, Texas (394.5m-760kc), 8:30 p. m., San Antonio College of Music.

WOAW, Omaha, Nebr. (526m-570kc), 6 p. m., music review; 6:30, orchestra; 6:50, Puritan hour.

WOC, Davenport, Iowa (483.6m-620kc), 8-8:30 p. m., WEAF; 8:30-9:30, Mrs. E. E. Shelley, soprano; Howard A. Carroll, tenor; Francis Armil, pianist.

WOS, Jefferson City, Mo. (440.9m-680kc), 8:20 p. m., Caloway string band, Jack Selby, Hill Brothers, Roy Willis.

WRR, Dallas, Texas (245.8m-1220kc), 6-7 p. m., Frank Wright, pianist; Mercedes McManus, blues singer; 8-9, Magnolia Beaumont band; 11-12, frolic.

WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., Andrew Jackson hotel trio; 8, Peabody ensemble singers, Prof. D. R. Gebhart, director; 10, Mrs. Caldwell Bennett, soprano; Virginia Martin, accompanist; 10:30, F. Arthur Henkel, organist.

WSOE, Milwaukee, Wis. (245.8m-1220kc), 7 p. m., dinner concert, Elks club; 8, fishing talk, Bud Kirkham; 9, Candygram revue.

Mountain Standard Time Stations

KFXF, Colorado Springs, Colo. (250m-1200kc), 8 p. m., Juvenile program, Lois Hunt, Michael Foley and Franklin Fuller.

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra; 8, open-air concert, Denver municipal band.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Semi-classical program; 8-9, Aeolian organ; 9-10, Harry Decker's Hawaiians; 10-11, Packard Ballad hour.

KFWB, Hollywood, Calif. (252m-1190kc), 6-7 p. m., Pontiac Six dinner hour; 7:30-8, Paralta Studios program; 8-9, program, John Wright, The Right Tailor; 9-10, varied program; 10-11, Warner Brothers frolic.

KGO, Oakland, Calif. (361.2m-830kc), 6-6:55 p. m., Bem's Little symphony orchestra.

KGW, Portland, Oregon (491.5m-610kc), 6-7 p. m., dinner concert; 8-9, vocal and instrumental music; 10:30, Hoot Owls.

KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., Uncle John and the children; 8-10, Times de luxe program; 10-11, Clement's Super-Six dance orchestra.

KNX, Hollywood, Calif. (336.9m-890kc), 7-8 p. m., Loftus Land company program; 8-9, Jell-X-Cell program; 9-10, Order of Optimistic Donuts; 10-11, Hollywood American Legion fights; 11-12 midnight, Ambassador hotel dance orchestra.

KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7 p. m., States Restaurant orchestra; 8-9, studio program; 9-10, Palace Hotel Rose room dance orchestra; 10-11, States Restaurant orchestra.

Saturday, July 17

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific	
7:25 p. m.	6:25	5:25	4:25	3:25	WJZ (454.3m-660kc), WRC (468.5m-640kc), WGY (379.5m-790kc), New York Philharmonic.
8:30	7:30	6:30	5:30	4:30	WEAF (491.5m-610kc), WGR (319m-940kc), WWJ (352.7m-870kc), Goldman band concert.
10	9	8	7	6	WLW (422.3m-710kc), Seckatary Hawkins Radio club.
10:30	9:30	8:30	7:30	6:30	WIP (394.5m-760kc), Episode drama, Sesquicentennial.
11:30	10:30	9:30	8:30	7:30	WSAI (325.9m-920kc), Norrine Gibbons.
12 m.	11	10	9	8	KMOX (280.2m-1070kc), Porter Brown. WCCO (416.4m-720kc), Gertrude O'Neil Ganley, reader. WMC (499.7m-600kc), Memphis Plectrum orchestra. KYW (535.4m-560kc), Congress carnival. KPO (428.3m-700kc), Mandarin cafe orchestra.

Saturday, silent night for: CNRA, CNRC, CNRE, CNRM, CNRR, CNRT, CNRV, CNRW, KFKX, KFUO, KFXF, KMA, KTAB, KWWG, WBAL, WCAL, WCAU, WCBD, WCX, WEBJ, WEEI, WGBF, WGCP, WGHP, WGST, WHA, WHAD, WHAZ, WHN, WHO, WJAR, WLIT, WLWL, WOO, WOS, WRVA, WTAG, WTIC, WWJ.

Atlantic or Eastern Daylight Saving Time Stations

CFCA, Toronto, Can. (356.9m-840kc), 9 p. m., CFCA's summer orchestra.

WBBR, New York, N. Y. (272.6m-1100kc), 8 p. m., Prof. Charles Rohner, violinist; 8:10, Fred Twaroschk, tenor; 8:15, Prof. Charles Rohner, violinist.

WEAF, New York, N. Y. (491.5m-610kc), 4-12 midnight, Hotel Waldorf-Astoria; musical comedy hits, WEAF Musical Comedy troupe; Goldman band concert; Olive Cornell, soloist; Goldman band concert; Ben Bernie's orchestra.

WFI, Philadelphia, Pa. (394.5m-760kc), 8:30 p. m., Episotic drama, Sesquicentennial.

WGBS, New York, N. Y. (315.6m-950kc), 6 p. m., Uncle Geebee; 7:45, Royal Arcadian orchestra; 10:30, Arrowhead Inn dance orchestra.

WHAR, Atlantic City, N. J. (275m-1090kc), 7:30 p. m., lecture period; 8, Seaside hotel trio.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 7, Uncle Wip's bedtime stories; 8:15, Hotel Ambassador orchestra; 9, Traymore orchestra; 9:45, Emmet Welch's Minstrels; 10:15, Garden Pier dance orchestra; 10:45, Ted Weems' dance orchestra; 11:30, Hotel Shelburne dance orchestra.

WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Waldorf-Astoria Roof orchestra; 8:25, Stadium Philharmonic concert, WRC; 10:30, Hotel Astor Roof orchestra.

WMAK, Buffalo, N. Y. (265.3m-1130kc), 6:30-7:15 p. m., dinner music, Onondaga hotel; 7:30-8:30, Shea's Buffalo theater; 8:30-9:30, musicale; 9:30-10:30, musicale; 10:30-11:30, dance program, WGY.

WMCA, New York, N. Y. (340.7m-880kc), 7 p. m., Tappen's orchestra; 8, musical program; 9, musical program; 11, Ernie Golden and his Hotel McAlpin orchestra; 12, McAlpin entertainers.

WNYC, New York, N. Y. (526m-570kc), 7 p. m., piano selections; 7:15, songs.

WOR, Newark, N. J. (405.2m-740kc), 6:15 p. m., Jacques Jacobs Hotel Shelton ensemble; 7, Jacques Jacobs Hotel Shelton ensemble; 7:30, Oreste's Queensland orchestra; 8:30, Arthur Pryor's band; 9:15, Casino orchestra; 9:45, Berkley-Carteret concert orchestra; 10:15, brass quartet; 10:30, Society orchestra; 11:15, Ben Bernie Berkley-Carteret.

WPG, Atlantic City, N. J. (299.8m-1000kc), 6:45 p. m., Arthur Scott Brook, organist; 7, Hotel Morton dinner music; 7:30, Hotel Shelburne dinner music; 8, Hotel Ambassador dinner concert; 8:30, studio program; 9, Hotel Traymore concert orchestra; 9:45, Emmett Welch's

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Headliners

Atlantic	Eastern	Central	
7 p. m.	6	5	
WMCA (340.7m-880kc), Hofbr			
7:30	6:30	5:30	
WRC (468.5m-640kc), WGY (454.3m-660kc), U. S. Mari			
8	7	6	
WTIC (475.9m-630kc), Scottie			
9:30	8:30	7:30	
WHAS (399.8m-750kc), Vir tainers.			
10	9	8	
KGO (361.2m-830kc), Fishin'			
10:30	9:30	8:30	
WOAI (394.5m-760kc), Mistlet			
WPG (299.8m-1000kc), Johnny			
11	10	9	
WSWS (275.1m-1090kc), "On the John Clark production.			
12:20 a. m.	11:20	10:20	9:20
KGW (491.5m-610kc), Vauderille, five twer acts.			
1	12 m.	11	10
KNX (336.9m-890kc), Balboa Beach Nuts.			
KPO (428.3m-700kc), Spanish songs, Ortega.			
1:30	12:30	11:30	10:30
WJJD (370.2m-810kc), Knights of the Candles.			
1:45	12:45	11:45	10:45
WDAF (365.6m-820kc), Nighthawk frolic.			

Thursday, silent night for: CHIC, CKN CNRE, CNRO, CNRR, CNRT, CNRV, CNR KFH, KFOA, KFUO, KMOX, KOA, KO WCAP, WEAO, WEBJ, WGBF, WHAI WMAK, WOOD, WOR, WOS, WSM, WSU

Atlantic or Eastern Daylight Time Stations

CKNC, Toronto, Can. (356.9m-840kc), 8 p. E Bedley and his dance orchestra; Els contralto; Arthur Bailey, tenor.

CNRM, Montreal, Canada (410.7m-730kc), CNRM instrumental quartet.

CNRT, Toronto, Canada (356.9m-840kc), 6 Luigi Romanelli and his King Edward h orchestra; 10, CNRT string quartet.

WBBR, New York, N. Y. (272.6m-1100kc) Josephine Locke, violinist; 8:10, Walter 8:20, Bible lecture; 8:40, tenor; 8:50, vio

WCAU, Philadelphia, Pa. (277.6m-1080kc), Cathay orchestra; 7:30, Snellenburg symph tra; 8, Saddlers Plantation serenaders; 8: Anglers; 9, Barry O'Moore, Irish tenor; 9:4 Doolittle; 10, recital; 10:15, Frank Worthi tone; 10:30, Eddie Campbell's orchestra; 11, revue.

WEAF, New York, N. Y. (491.5m-610kc), night, Hotel Waldorf-Astoria orchestra; Park Lane orchestra; Ther Serenaders; Hi ers; Cliquot Club Eskimos; Silvertown tra; Buffaloians.

WEEI, Boston, Mass. (348.6m-860kc), 7:30 p. Ahearn, baritone; 7:45, musicale; 8, WEAF.

WFI, Philadelphia, Pa. (394.5m-760kc), 7:15 p. Keystone auto club feature; 8:15, WEAF.

WGBS, New York, N. Y. (315.6m-950kc), 6 p. m., Uncle Gecbee; 6:30, music; 6:45, George Hall and his Royal Arcadians; 9, Guiseppe Leone, operatic baritone; 10:20, Royal Arcadians, Arcadia ballroom.

WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., Vincent Lopez' Hotel Statler orchestra; 8:11, WEAF.

WHAR, Atlantic City, N. J. (275m-1090kc), 8 p. m., Seaside hotel trio; 9, studio concert; 11, Follies Bergere dance orchestra.

WHN, New York, N. Y. (361.2m-830kc), 8 p. m., Will Oakland's chateau; 8:30, Loew's Gate theater orche tra; 9:30, Loew's 23rd St. theater orchestra; 10:30, Leroy Smith's orchestra; 11, Club Alabam orchestra; 11:30, Everglades orchestra; 12, Sophie Tucker's Playground orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 8, Hotel Ambassador orchestra; 8:30, Million Dollar Pier orchestra; 9, Hotel Ambassador concert orchestra; 9:50, Hotel Traymore concert orchestra; 10, Ted Weem's dance orchestra; 10:30, Johnny Hamp's Kentuckians; 11, Hotel Shelburne orchestra.

WJJD, Mooseheart, Ill. (370.2m-810kc), 7-9 p. m., music by children of all ages; solos, bands, etc.; 9-11, Palmer House Victorians, WJJD quartet; 11:30-12:30 a. m., Knights of the Burning Candle.

WLIB, Chicago, Ill. (302.8m-990kc), 7-7:05 p. m., Million sing; 7:05-7:15, Old Fashioned Almanack; 7:15-8, Drake concert ensemble; Blackstone string quintet; 11-11:20, Correll and Gosden; 11:20-1 a. m., Liberty studio ensemble; Ambrose Larsen, organist; Bobby Meeker's Drake hotel dance orchestra; Fred Hamm's orchestra.

WLS, Chicago, Ill. (344.6m-870kc), 6:30 p. m., Elsie Mae Look, organist; 6:45, Maurie Sherman's College Inn orchestra; 7, Elsie and Ralph, Lullaby time; 7:15, Rose Sherman, violinist, and Marie Ludwig, harpist; 7:30, Al Melgard, organist; 8:20-8:55, Mu Phi Epsilon program.

WLW, Cincinnati, Ohio (422.3m-710kc), 6:15 p. m., Norrine Gibbons, Priscilla Holbrook; 7, Robert Vis-Tucker, soprano; 9:15-9:40, the Rancheros, Doc Dutro, harmonica; Tom Barber, pianist; P. K. McNair, guitarist; E. L. Nye, yodler; 12:01-1 a. m., novelty and jazz; E. C. Toothman, announcer; Beth Sewell and Florine Pierce, accompanists.

WCBD, Zion, Ill. (344.6m-870kc), 9 p. m., annual grand ensemble concert.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 7 p. m., WEAF.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., Billy Adair's orchestra; 11:45-1 a. m., Nighthawk frolic.

WFAA, Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m., Jimmy Joy's orchestra; 8:30-9:30, Little symphony orchestra.

WHAS, Louisville, Ky (399.8m-750kc), 7:30-9 p. m., Virginia Vetter's entertainers.

WHB, Kansas City, Mo. (365.6m-820kc), 7-7:30 p. m., Merrill Moore, organist; 8-9:15, Hawaiian trio.

Friday, July 16

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
8:30 p. m.	7:30	6:30	5:30	4:30
KFNF (263m-1140kc), Widney Sisters.				
WEEI (348.6m-870kc), Neapolitan Dutch Girls quintet.				
9:15	8:15	7:15	6:15	5:15
WMAQ (447.5m-670kc), "Cyrano de Bergerac." Prof. R. G. Nelson.				

STATIONS TO FEATURE MUNICIPAL ORGANIZATIONS DURING SUMMER

HIGH LIGHTS OF THE AIR

SUMMER has not affected the quality of programs, only changed them in tone. Many municipal organizations such as the Baltimore City Parks orchestra and Municipal band, Denver Municipal band, New York Philharmonic orchestra and Newark Philharmonic band are bringing music of an outdoor type into the homes of millions. Band concerts may now be enjoyed by all on cool, moonlit evenings.

Continuity programs with a definite thread running through them are being given more and more by Radio stations. "On the Volga River," a John Clark production at WSWS, Thursday, July 15, is a program of this sort. Folk songs native of the country through which this river flows will be sung. Interesting bits of folk lore will be given, and the invisible listener will carry away with him a musical picture of a part of the world he has perhaps never seen.

A reading of unusual interest will be given from WMAQ, Friday, July 16, when Prof. B. G. Nelson of the University of Chicago gives a reading from "Cyrano de Bergerac." Alumni of the university who have taken public speaking with Prof. Nelson will enjoy tuning in.

WIP will take the listener who is not able to attend the Sesquicentennial into the middle of the great fair Saturday, July 17, and let him listen to the Episotic drama. As this great pageant unfolds the announcer will be the eyes of his audience.

Who does not remember Gertrude O'Neil Ganley whose mischievous fun made her such a favorite at the Gold Medal Station WCCO. She has been absent for some time but returns Saturday, July 17, to make up for lost time and to amuse her friends with some new readings.

Another program the Gold Medal station schedules this month which will attract listeners is the listing of Flor's Little German band, Saturday, July 24. All the old German favorites will be played as only a German band can play them. This is only one of the international dance programs being given at WCCO.

Is there anyone who does not know the Charleston? At least the dance floors refuse to give them away. But perhaps some poor wallflower unable to bend his knees in this famous dance will welcome WLW, Monday, July 26. Tune in quietly and take your first lesson, but, a little warning, do not try it with the earphones on.

Monday, July 26, is also to be famous because a popular pair well known to middle westerners, Clara Kurtz and her Chocolate Cake-Eater are entertaining this same evening at KOIL.

First aid to the campers is the new idea at WGHP, Detroit. And a good idea it is. You may find out during this Tuesday evening half hour how to carry less and yet better supplies, how to cook over an open fire and even what to do when it rains; in other words how to be a camper de luxe.

Finish off the month with that peppy bunch of artists, Ray Jones' orchestra and singers. Not only does this group play all the latest jazz songs but also sings them.

RUSSIAN dance music floats over the ether whenever the lively group below confront the microphone of WCCO. These young refugees have banded together and are known as the Russian Art troupe. WCCO plans to give a series of international dance music programs during the summer and besides featuring these talented Russians will broadcast the Scandinavian dance orchestra, and Flor's Little German band. To the right and to the left are two young musicians who are popular with the gentlemen who read our Marcella column. Billie Allen Hoff, left, is a pretty little blues singer who wanders around from one Chicago station to another. She is singing at the present time from both WMBB and KYW. On the right is Mary Tudor, a regular entertainer at WJR. She sings and plays the piano.

EDUCATIONAL FEATURES

Monday

Atlantic	Eastern	Central	Mountain	Pacific	Program
6:30 p. m.	5:30	4:30	3:30	2:30	WNYC (526m-570kc), German lessons, V. H. Berlitz.
8	7	6	5	4	WDAF (365.6m-820kc), School of the Air.
1:15 a.m.	12:15	11:15	10:15	9:15	KGO (361.2m-830kc), Educational features.

Tuesday

Atlantic	Eastern	Central	Mountain	Pacific	Program
8 p. m.	7	6	5	4	WDAF (365.6m-820kc), School of the Air.
12 m.	11	10	9	8	KTAB (239.9m-1250kc), Mills college.
9 p. m.	8	7	6	5	WHB (365.6m-820kc), Automotive talk. WMAQ (447.5m-670kc), Lecture, Northwestern university.
11:30	10:30	9:30	8:30	7:30	KHJ (405.2m-740kc), Astronomy.

Wednesday

Atlantic	Eastern	Central	Mountain	Pacific	Program
6:30 p. m.	5:30	4:30	3:30	2:30	WNYC (526m-570kc), Spanish lesson, V. H. Berlitz.
8	7	6	5	4	WDAF (365.6m-820kc), School of the Air.
8:30	7:30	6:30	5:30	4:30	WBZ (333.1m-900kc), Radio Nature league.

Thursday

Atlantic	Eastern	Central	Mountain	Pacific	Program
7:30 p. m.	6:30	5:30	4:30	3:30	WLW (422.3m-710kc), Educational talk.
8	7	6	5	4	WDAF (365.6m-820kc), School of the Air.
9:30	8:30	7:30	6:30	5:30	WOI (270m-1110kc), Industrial Science, short course, "State Parks of Iowa."

Friday

Atlantic	Eastern	Central	Mountain	Pacific	Program
6:30 p. m.	5:30	4:30	3:30	2:30	WNYC (526m-570kc), French lesson.
8	7	6	5	4	WDAF (365.6m-820kc), School of the Air. WOAW (526m-570kc), "Musical Appreciation," Hester Bronson Copper.
11:45	10:45	9:45	8:45	7:45	KFWB (252m-1190kc), Nature talk.

Thursday, July 15

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific	Program
7 p. m.	6	5	4	3	WMCA (340.7m-880kc), Hofbrau Haus entertainers.
7:30	6:30	5:30	4:30	3:30	WRC (468.5m-640kc), WGY (379.5m-790kc), WJZ (454.3m-660kc), U. S. Marine band.
8	7	6	5	4	WTIC (475.9m-630kc), Scottie Millar.
9:30	8:30	7:30	6:30	5:30	WHAS (399.8m-750kc), Virginia Vetter's entertainers.
10	9	8	7	6	KGO (361.2m-830kc), Fishin' Jim Pike.
10:30	9:30	8:30	7:30	6:30	WOAI (394.5m-760kc), Mistletoe Melody Maids. WPG (299.8m-1000kc), Johnny Hamp's Kentuckians.
11	10	9	8	7	WSWS (275.1m-1090kc), "On the Volga River," John Clark production.
12:20 a. m.	11:20	10:20	9:20	8:20	KGW (491.5m-610kc), Vaudeville, five twenty-minute acts.
1	12 m.	11	10	9	KNX (336.9m-890kc), Balboa Beach Nuts. KPO (428.3m-700kc), Spanish songs, Francesca Ortega.
1:30	12:30	11:30	10:30	9:30	WJJD (370.2m-810kc), Knights of the Burning Candles.
1:45	12:45	11:45	10:45	9:45	WDAF (365.6m-820kc), Nighthawk frolic.

Thursday, silent night for: CHIC, CKNC, CNRA, CNRE, CNRO, CNRR, CNRT, CNRV, CNRW, KFAB, KFH, KFOA, KFUO, KMOX, KOA, KOB, WAHG, WCAP, WEAO, WEBJ, WGBF, WHAD, WHAZ, WMAK, WOOD, WOR, WOS, WSM, WSUI, WTAM.

Atlantic or Eastern Daylight Saving Time Stations

CKNC, Toronto, Can. (356.9m-840kc), 8 p. m., Charles E. Bodley and his dance orchestra, Elsie Addison, contralto; Arthur Bailey, tenor.

CNRM, Montreal, Canada (410.7m-730kc), 9 p. m., CNRM instrumental quartet.

CNRT, Toronto, Canada (356.9m-840kc), 8:30 p. m., Luigi Romanelli and his King Edward hotel concert orchestra; 10, CNRT string quartet.

WBBR, New York, N. Y. (272.6m-1100kc), 8 p. m., Josephine Locke, violinist; 8:10, Walter Stoll, tenor; 8:20, Bible lecture; 8:40, tenor; 8:50, violinist.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 5:30 p. m., Cathay orchestra; 7:30, Spellenburg symphony orchestra; 8, Saddlers Plantation serenaders; 8:30, Clifton's Anglers; 9, Barry O'Moore, Irish tenor; 9:45, Professor Doolittle; 10, recital; 10:15, Frank Worthington, baritone; 10:30, Eddie Campbell's orchestra; 11, Club Cadix revue.

WEAF, New York, N. Y. (491.5m-610kc), 4-12 midnight, Hotel Waldorf-Astoria orchestra; Meyer Davis Park Lane orchestra; Thee Serenaders; Hires Harvesters; Clicquot Club Eskimos; Silvertown Cord orchestra; Buffalodians.

WEEI, Boston, Mass. (348.6m-860kc), 7:30 p. m., Michael Ahearn, baritone; 7:45, mu[illegible]; 8, WEAF.

WFI, Philadelphia, Pa. (394.5m-760kc), 7:15 p. m., Keystone auto club feature; 8:15, WEAF.

WGBS, New York, N. Y. (315.6m-950kc), 6 p. m., Uncle Geebee; 6:30, music; 6:45, George Hall and his Royal Arcadians; 9, Giuseppe Lerne, operatic baritone; 10:20, B[illegible] Arcadian; Arcadia ballroom.

WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., Vincent Lopez Hotel Statler orchestra; 8:11, WEAF.

WHAR, Atlantic City, N. J. (275m-1090kc), 8 p. m., Seaside hotel trio; 9, studio concert; 11, Follies Bergere dance orchestra.

WHN, New York, N. Y. (361.2m-830kc), 8 p. m., Will Oakland's Heatherbloom; 8:30, Loew's State theater orchestra; 9:30, Loew's [illegible] theater orchestra; 10:30, Lee[illegible] orchestra; 11, Club Alabam orchestra; 11:30, Eberlin's orchestra; 12, Sophie Tucker's Playground orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 8, Hotel Ambassador concert orchestra; 9:30, Million Dollar Pier orchestra; 9, Hotel Ambassador concert orchestra; 9:30, Hotel Traymore concert orchestra; 10, Ted Weems dance orchestra; 10:30, Johnny Hamp's Kentuckians; 11, Hotel Shelburne dance orchestra; 11:30, Silver Slipper revue.

WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Hotel Pennsylvania concert orchestra; 7:40, Judge, Jr.; 8, First National presentation, "It Must Be Love," WRC; 8:30, U. S. Marine band, WRC, WGY, WCAD; 9:30, Royal Typewriter Salon orchestra, WGY, WRC, WCAD; 11, WRC.

WLIT, Philadelphia, Pa. (394.5m-760kc), 7:30 p. m., Benjamin Franklin concert orchestra.

WMCA, New York, N. Y. (340.7m-880kc), 7 p. m., Hofbrau Haus entertainers; 8, Roemer's Homers; 9:30, Columbia Park entertainers; 11, Ernie Golden and his Hotel McAlpin orchestra; 12, Broadway night.

WNYC, New York, N. Y. (526m-570kc), 6:10 p. m., piano selections.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Adelphia Roof Garden orchestra.

WOR, Newark, N. J. (405.2m-740kc), 6:15 p. m., Jacques Jacobs Hotel Shelton ensemble; 7, Jacques Jacobs Hotel Shelton ensemble.

WPG, Atlantic City, N. J. (299.8m-1000kc), 6:45 p. m., Arthur Scott Brook, organist; 7, Hotel Morton dinner music; 7:45, Hotel Ambassador dinner music; 9:30, Hotel Traymore concert orchestra; 10, Ted Weems' Novelty dance orchestra; 10:30, Johnny Hamp's Kentuckians; 11, Hotel Shelburne dance orchestra; 11:30, Silver Slipper supper club dance orchestra.

Eastern Standard or Central Daylight Saving Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 6:30 p. m., Pittsburgh Athletic association; 8:30, half hour with famous composers, Symphony players; 9, Symphony players; Ward Whitney, baritone; 10:05, Pittsburgh Post dance program.

KYW, Chicago, Ill. (535.4m-560kc), 6:30 p. m., dinner concert, Congress hotel; 8-9, "Twenty Minutes of Good Reading"; 9-10:30, classical program; 10:30-12, Congress carnival.

WADC, Akron, Ohio (258.5m-1160kc), 9 p. m., Silvertown Cord orchestra; 10, Roseland dance orchestra.

WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., WBAL dinner orchestra; 7:30-8, mixed quartet; John Wilbourn, tenor; 8-9, WBAL trio; 9-10, WBAL dance orchestra.

WBBM, Chicago, Ill. (225.4m-1330kc), 4-5 p. m., musical matinee, WBBM staff, other artists; 5-6, Eddie Hansen, organist; 8-9:30, Lee Sims, Kay Ronayne, contralto; "Hi and Si," Eunice Hoefer, organist; Alemite string trio, Jack Crawford's Alemite High Pressure orchestra, Howard Osburn's Vanity Fair cafe orchestra; 9:30-10:15, Moss Covered melodies; 10:15-10:30, Izaak Walton hour; 10:30-11:30, First National violin ensemble, Vic Fredericks, baritone; Maurice Silverman, tenor; WBBM staff; 11:30-12, Howard Osburn's Vanity Fair cafe orchestra, Jack Crawford's Alemite High Pressure orchestra.

WBZ, Springfield, Mass. (333.1m-900kc), 6 p. m., Hotel Kimball trio; 6:33, Hotel Lenox ensemble; 8, Robert Bates, organist; 8:30, Martino studios; 9, announced; 9:30, dance orchestra.

WENR, Chicago, Ill. (265.3m-1130kc), 6-7 p. m., Rauland lyric trio; 8-10, All-American Pioneers.

WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert; 10, WGHP Frolickers, Heck and Mar, Metortown trio; Eddie and Mrs. Eddie; 11, Skylark dance band; Winifred Huntoon, soprano; 12-1 a. m., Gerald Marks' orchestra.

WGN, Chicago, Ill. (302.8m-990kc), 6:45-7 p. m., request program; 8-9, WEAF; 9-10, WEAF; 10-10:10, Sam 'n' Henry; 10:10-10:20, Music Box; 10:20-10:30, great moments from grand opera; 10:30-11, WGN studio ensemble.

WHAR, Atlantic City, N. J. (275m-1090kc), 7:30 p. m., announced; 8, Seaside hotel trio; 9, studio concert; 11, Follies Bergere dance orchestra; Jimmy Carr, doctor of melody.

WJAZ, Chicago, Ill. (329.5m-910kc), 9-12 midnight, Spanish Garden studio; Franz Wagner, cellist; Frances Hunter, soprano; Jacob Hannemann, pianist; Kennard Barrsdell, tenor.

WJJD, Mooseheart, Ill. (370.2m-810kc), 7-9 p. m., music by children of all ages; solos, bands, etc.; 9-11, Palmer House Victorians; WJJD quartet; 11:30-12:30 a. m., Knights of the Burning Candle.

WLIB, Chicago, Ill. (302.8m-990kc), 7-7:05 p. m., Million sing; 7:05-7:15, Old Fashioned Almanack; 7:15-8, Drake concert ensemble, Blackstone string quintet; 11-11:20, Correll and Gosden; 11:20-1 a. m., Liberty studio ensemble; Ambrose Larsen, organist; Bobby Meeker's Drake hotel dance orchestra; Fred Hamm's orchestra.

WLS, Chicago, Ill. (344.6m-870kc), 6:30 p. m., Elsie Mae Look, organist; 6:45, Maurie Sherman's College Inn orchestra; 7, Elsie and Ralph Lullaby time; 7:15, Rose Sherman, violinist and Marie Ludwig, harpist; 7:30, Al Melgard, organist; 8:20-8:55, Mu Phi Epsilon program.

WLW, Cincinnati, Ohio (422.3m-710kc), 6:15 p. m., Norrine Gibbons, Priscilla Holbrook; 7, Robert Visconti's orchestra; 7:30, "Your Week-End Trip," Cincinnati Automobile club; 8, Salvation Army concert; 9, Buckeye Instrumental trio concert; 10, Theis' Castle Farmers; 10:15, Latonia Melody boys; 10:30, "Pep Golden," Al Kirschner, piano, saxophone duets; 12:15 a. m., Night Howls.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ, 6:30, orchestra; 8:25, Whitney trio; 9, Constance Eberhart, soprano; 9:30, Jack Chapman's orchestra.

WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon ensemble, Elizabeth Reohik, cellist; Margaret Conrad, violinist; Preston Graves, pianist; Oriental musical program; 9-11, Trianon orchestra, Dell Lampe; Woodlawn theater orchestra, Armin F. Hand; Trianon ensemble; Joe Parsons, baritone; Jack Brewton, "musical saw"; Bob Smith, John Stamford, popular program.

WORD, Batavia, Ill. (275m-1090kc), 8 p. m., musicale; Sunday school lesson.

WOK, Chicago, Ill. (217.3m-1380kc), 6-7 p. m., string ensemble concert, Tip-Top Inn; 10-1:30 a. m., Tearney's Town club orchestra; Midway Garden orchestra; Pershing Palace orchestra; Katz and his Kittens' orchestra; Capitol theater program.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Gardens orchestra; Sheppard Levine, tenor; Jeanette Van Lennep, soprano; 10-2 a. m., Rainbo Gardens orchestra; Jerry Sullivan; Harry Geise; Lew Butler; Bert Davis; Frank Blasko, boy tenor.

WRC, Washington, D. C. (468.5m-640kc), 7 p. m., WJZ; 7:30, U. S. Marine band; 9, WJZ; 9:30, WRC players; 10:30, Meyer Davis' Swanee syncopators.

WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., Gold Standard ensemble; 8:15, WREO concert orchestra.

WRVA, Richmond, Va. (256.3m-1170kc), 8:15 p. m., Elizabeth City, North Carolina program; 11:45, Carry Me Back to Old Virginny.

WSAI, Cincinnati, Ohio (325.9m-920kc), 7:30 p. m., WEAF.

WSWS, Chicago, Ill. (275m-1090kc), 6 p. m., Rita McFawn, Hugh Aspinwall; 7, Edgar Balfour, baritone; Eulalia Kober, pianist; ballads, Ilona Kinz; Walter Lewis; 10, "On the Volga River," Terrace Gardens quintet; 11, orchestra; Glen A. Moffatt, pianist, Kenneth Clark, guitarist, Hugh Aspinwall; Gail Bandell, Myron Chon; 12 midnight, witching hour, Henri Therrien, orchestra, John Clark, Zola Haynes.

WTAM, Cleveland, Ohio (389.4m-770kc), 6 p. m., Hollenden hotel orchestra; 7:15, WEAF; 8, WEAF; 9, studio program; 11, Jack Horwitz Collegian serenaders.

WTIC, Hartford, Conn. (475.9m-630kc), 7 p. m., "Scotti" Millar; 8, For-an-to melody makers and Manchester male quartet; 9, Emil Heimberger's Hotel Bond dance orchestra.

WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7, WEAF.

Central Standard Time Stations

KFKX, Hastings, Nebr. (288.3m-1040kc), 9 p. m., musical program, Lincoln, Nebr.

KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., Margarette Toten Zeigenbein.

KFRU, Bristow, Okla. (374.8m-800kc), 6-9 p. m., surprise program.

KLDS, Independence, Mo. (440.9m-680kc), 8 p. m., Eileen Bowman, organist.

KOIL, Council Bluffs, Iowa (278m-1080kc), 6:03 p. m., Jamieson Oil duo; 6:30, Art Mair's Imperial orchestra; 7, Strawn Sisters; 8, Harmo-Jazz orchestra; 11, fretted instruments, Francis Potter.

KPRC, Houston, Texas (296.9m-1010kc), 7:30 p. m., J. Harry Kobusch and his orchestra; Carl Moritz, vocal entertainer; 9, Southern Pacific Lines' band.

KWCR, Cedar Rapids, Iowa (278m-1080kc), 12 midnight, frolics.

KWWG, Brownsville, Texas (277.6m-1080kc), 8:30-9 p. m., piano recital, Bertha Young; 9-9:15, Annie Tucker, soprano; 9:15-9:40, the Rancheros Duo Dutro, harmonica; Tom Barber, pianist; P. K. McNair, guitarist; E. L. Nye, yodler; 12:01-1 a. m., novelty and jazz; E. C. Toothman, announcer; Beth Sewell and Florine Pierce, accompanists.

WCBD, Zion, Ill. (344.6m-870kc), 9 p. m., annual grand ensemble concert.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 7 p. m., WEAF.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., Billy Adair's orchestra; 11:15-1 a. m., Nighthawk frolic.

WFAA, Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m., Jimmy Joy's orchestra; 8:30-9:30, Little symphony orchestra.

WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., Virginia Vetter's entertainers.

WHB, Kansas City, Mo. (365.6m-820kc), 7-7:30 p. m., Merrill Moore, organist; 8-9:15, Hawaiian trio.

WHO, Des Moines, Iowa (526m-570kc), 7:30-8 p. m., Philbreck and his Younker tea-room orchestra; 8-9, Bankers Life trio.

WOAI, San Antonio, Texas (394.5m-760kc), 8:30 p. m., Mistletoe Melody Maids.

WOAW, Omaha, Nebr. (526m-570kc), 6 p. m., Elks organ; 6:25, Francis Potter, banjoist; 6:50, orchestra; 9, classical.

WOC, Davenport, Iowa (483.6m-620kc), 6-6:30 p. m., WEAF; 7-9, WEAF, 9-9:30, Moline Plowboys.

WRR, Dallas, Texas (245.6m-1220kc), 6-7 p. m., Jack Gardner's orchestra; 8-9, musicale; 9:30-10:30, Dyo Duo.

WSMB, New Orleans, La. (319m-940kc), 8:30-10:30 p. m., Radio Revelers orchestra, Liberty theater orchestra.

WSOE, Milwaukee, Wis. (245.8m-1220kc), 7 p. m., Elks club studio; 8, Bible class, Dr. J. C. O'Hair; 9, WSOE Lakefront studio.

Mountain Standard Time Stations

CNRC, Calgary, Can. (435.8m-688kc), 9 p. m., Symphony orchestra.

KFXF, Colorado Springs, Colo. (250m-1200kc), 9 p. m., Mrs. Geo. A. Edwards, soprano; Eula Whitemore Mathews, pianist; Jimmie Stevenson, violinist; Elsie Hick, pianist; H. C. Beattie, Scotch songs.

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., popular song program; 8-9, varied program; 9-10, grand opera hour; 10-11, Patrick-Marsh dance orchestra, Betty Patrick, soloist.

KFWB, Hollywood, Calif. (252m-1190kc), 7-8 p. m., program, O'Neal and Sons; 8-9, program, McGavin Bros. Bakeries; 9-10, program, Dell's Ice Cream; 10-11, Warner Brothers frolic.

KGO, Oakland, Calif. (361.2m-830kc), 6-6:55 p. m., Bem's Little symphony orchestra; 8-9, touring information; Ramon Oden Hawaiian players; Fishin' Jim Pike; WOW male trio; 9-12, dance music.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8:20-10, vaudeville, "Yellow Kids," Ebony and Ivory; Brice Mortgage 5½ percenters; Tommy Luke's Flower Girls; 10-12, Cole McElroy's dance orchestra.

KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., Uncle John and the children; 8-10, Zoellner string quartet; 10-11, dance music.

KJR, Seattle, Wash. (384.4m-780kc), 8:30-10 p. m., Post Intelligencer studio program; 10-10:30, Benjamin Franklin Elec. company musical program; 10:30-12, "Keep Joy Radiating Order of Bats."

KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7 p. m., States restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel orchestra; 8-9, KPO string quartet; 9-10, Spanish songs, Francesca Ortega; 10-11, Mandarin cafe dance orchestra.

KPSN, Pasadena, Calif. (315.6m-950kc), 8-9 p. m., musical program, auspices Pasadena Chamber of Commerce.

KTAB, Oakland, Calif. (239.9m-1250kc), 7-7:30 p. m., shopping hour; 8-10, studio program.

Friday, July 16

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific	Program
8:30 p. m.	7:30	6:30	5:30	4:30	KFNF (263m-1140kc), Widney Sisters. WEEI (348.6m-870kc), Neapolitan Dutch Girls quintet.
9:15	8:15	7:15	6:15	5:15	WMAQ (447.5m-670kc), "Cyrano de Bergerac," Prof. B. G. Nelson.
9:30 p. m.	8:30	7:30	6:30	5:30	KDKA (309.1m-970kc), Pittsburgh Musical institute. WGR (319m-940kc), Mrs. Decourcy Rose.
9:35	8:35	7:35	6:35	5:35	WRVA (256.3m-1170kc), Negro spirituals.
10	9	8	7	6	WBAL (245.8m-1220kc), City Parks orchestra. WBZ (333.1m-900kc), Preludinoff, pianist. WHO (526m-570kc), Herring Motor band.
10:30	9:30	8:30	7:30	6:30	WFAA (475.9m-630kc), Henri LaBonte's artists. WMAK (265.3m-1130kc), University Terrace serenaders.
11:10	10:10	9:10	8:10	7:10	WOOD (241.8m-1240kc), Ramona Radio revelry.
12 m.	11	10	9	8	WLIT (394.5m-670kc), Morning Glory club.

DANCING

Central Time

Saturday

9, Webh, Wjaz, Wmbb, Wnyc, Wreo; 9:10, Kths, Wip; 9:30, Kths, Wgbs, Wor, Wrc; 10, Kfve, Kfwa, Koa, Kpo, Weaf, Wgn, Wjaz, Wjr, Wkrc, Wmca, Wnyc, Wor, Wqj, Wreo, Wtam; 10:05, Wreo; 10:30, Wamd; 10:45, Wls; 11, Kfwa, Kfwb, Kpo, Webh, Wfaa, Wgbu, Who, Wjaz, Woc; 11:30, Kfoa; 11:45, Wdaf; 12, Kgo, Kgw, Knx, Wgbu, Wjaz, Wjjd.

Monday

8, Wgcp; 9, Wgbu, Wjar, Wor; 9:15, Wahg; 10, Kths, Wgbu, Wgcp, Wgr, Wnyc, Wpg; 10:15, Wor; 10:30, Wgcp, Whn; 11, Kgw, Koil, Wgbu, Wgcp, Wgr, Whn, Who, Wjaz; 11:45, Wdaf; 12, Knx, Kpo.

Tuesday

8, Wpg; 9, Wpg; 9:30, Kths; 10, Wbbm, Weaf, Webh, Wgbu, Wgn, Whn, Wmca, Wnyc, Wpg; 10:15, Kths; 10:30, Kths, Whn; 10:45, Wsb; 11, Kgw, Koil, Wgbu, Whn, Wjaz; 11:45, Wdaf; 12, Kgw, Khj, Knx, Kpo, Wdaf, Wjaz; 1, Wqj.

Wednesday

9, Wcx, Webh, Wgbu, Wgcp, Whn, Who, Wjaz, Wmbb, Wmca, Wtic; 9:15, Wahg; 9:30, Wbap, Who, Wor; 10, Kfve, Wbap, Weaf, Wgbu, Wgcp, Wjaz, Wqj; 10:05, Wreo; 10:30, Wbap, Whn; 11, Koil, Kpo, Webh, Wgbu, Wgcp, Wgr, Whn, Wjaz; 11:45, Wdaf; 12, Kfwa, Knx, Kpo, Wjaz, Wjjd.

Thursday

8, Wjr; 9, Webh, Weel, Wgbu, Whn, Wjr, Wmbb, Wsai, Wahg; 9:05, Wbz, Wip; 9:30, Wgbs, Wgy, Whn; 9:35, Wnyc; 10, Kths, Wbbm, Weaf, Wgbu, Whn, Wmca, Wpg, Wqj; 10:30, Kths, Whn, Webh, Wgbu, Whn, Woc; 11:45, Wdaf; 12, Kgo, Khj, Knx, Kpo, Wjjd.

Friday

8, Wwj; 9, Wcx, Webh, Weel, Wgbu, Wgcp, Wmbb; 9:15, Wahg; 9:30, Wcau, Kths, Wdaf; 10, Kfve, Kpo, Wgbu, Wgcp, Whn, Wgr, Wqj.

Friday, silent night for: CFAC, CKAC, CKNC, CKY, CNRC, CNRM, CNRO, CNRR, CNRW, KFXF, KLDS, KPRC, KPSN, KWWG, WBBR, WCAD, WCBD, WEAO, WGBS, WHAZ, WIP, WJAZ, WKRC, WLW, WLWL, WOR, WRC, WREO, WRVA, WSAI, WSMB, WSUI, WTAM.

Atlantic or Eastern Daylight Saving Time Stations

CNRT, Toronto, Canada (356.9m-840kc), 10 p. m., CNRT string quartet; Apollo male quartet.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:45 p. m., Hotel Pennsylvania orchestra; 7:30, Snellenburg instrumental trio; 8, Jackson's Whippets; 8:45, Dwight Strickland, "poetician"; 9, Regina Crooners; 9:15, Nasco Jolly Four; 9:45, Jack and Jill, songs; 10, Duke Moana, Hawaiian; 10:15, songs; 10:30, Myers' Musical Architects.

WEAF, New York, N. Y. (491.5m-610kc), 4-12 midnight, Happiness Candy Boys, La France orchestra; Whittall Anglo-Persians; Hotel Bossert Marine Roof orchestra; Pelham Heath Inn orchestra.

WEBJ, New York, N. Y. (272.6m-1100kc), 7 p. m., Blue Bell serenaders; 7:30, Luna's Knickerbocker grill orchestra; 8, Philip Krumboltz, baritone; Isabel Henderson, soprano; 8:30, Luna's Marine band.

WEEI, Boston, Mass. (348.6m-860kc), 6 p. m., Keith's Radio review; 7:30, Hiram and the Dairy Maids; 8, musicale; 8:30, Neapolitan Dutch Girls quintet; 9, WEAF; 9:30, Musical Chef; 10, WEAF; 10:30, WEAF.

WFI, Philadelphia, Pa. (394.5m-760kc), 3 p. m., Sesquicentennial program.

WGR, Buffalo, N. Y. (319m-940kc), 9 p. m., WEAF; 9:30, Mrs. Decourcy Rose and friends; 10, WEAF; 11-1 a. m., Vincent Lopez' Hotel Statler orchestra.

WHAR, Atlantic City, N. J. (275m-1090kc), 8 p. m., Seaside hotel trio.

WHN, New York, N. Y. (361.2m-830kc), 7 p. m., Charm club orchestra; 7:30, Treasureland Neighbors; 10, Palisades Amusement Park orchestra; 10:30, Strand roof orchestra; 11, Roseland dance orchestra; 12, Eddie Edward's Southerners from the Silver Slipper.

WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., George Olsen's Hotel Pennsylvania Roof orchestra; 8, Sanford Florida Sunshine hour; 9, Sundial Shoe serenaders, Bonnie Laddies; 10:30, Harold Stern's Hotel Belleclaire roof orchestra.

WLIT, Philadelphia, Pa. (394.5m-760kc), 8 p. m., recital; 8:15, Pioneer Storage Battery company entertainers; 9, Schickerling artists; 10, Morning Glory club concert; 10:30, Rufus and Rastus; 11, Freshman Masterpiece hour.

WMAK, Buffalo, N. Y. (265.3m-1130kc), 6:30-7:15 p. m., dinner music; 7:30-8:15, Musical Buffalo Athletic club; 8:15-10:30, WGY players; 10:30-11:30, University Terrace serenaders.

WMCA, New York, N. Y. (340.7m-880kc), 6:30 p. m., Ernie Golden and his Hotel McAlpin orchestra; 8:45, Broadway association; 9, Paul Whiteman's Piccadilly players; 9:30, Klein's Serenading Shoemakers; 10, Norman Pearce, readings; 11, Jack Denny's orchestra; 11:30, Club Brighton orchestra; 12, McAlpin entertainers.

WNYC, New York, N. Y. (526m-570kc), 6 p. m., piano selections; 6:20, piano selections; 7:35, songs.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., orchestra; 8, WOO orchestra; 9, LaFrance orchestra; 9:25, Fox theater studio program; 10, WEAF; 11, dance music.

WOR, Newark, N. J. (405.2m-740kc), 6:45 p. m., Hotel Bretton Hall string ensemble.

WPG, Atlantic City, N. J. (299.8m-1000kc), 6:45 p. m., Arthur Scott Brook, organist; 7, Hotel Ambassador dinner music; 7:45, Hotel Shelburne dinner music; 8:15, high school music; 9, Hotel Ambassador concert orchestra; 9:30, Hotel Traymore concert orchestra; 10, dance orchestra; 10:30, Hotel Traymore grill dance orchestra; 11, Olson's dance orchestra; 11:30, Jean Weiner, organist.

Eastern Standard or Central Daylight Saving Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 5:30 p. m., dinner concert; 8:30, Pittsburgh musical institute.

KYW, Chicago, Ill. (535.4m-560kc), 8 p. m., Federal Master artists; 10:30-12, Congress carnival.

WADC, Akron, Ohio (258.5m-1160kc), 8 p. m., studio program; 10, Roseland dance orchestra; 12, midnite dance and Radio revue.

WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., WBAL dinner concert orchestra; 7:30-8, Howard Thatcher, organist; 8-9, musical program; 9-10, Baltimore City Parks orchestra.

WBBM, Chicago, Ill. (225.3m-1330kc), 5-6 p. m., Eddie Hansen, organist; 8-9, Safety Play period; 9-10, Glee Club Harmony four, Kay Ronayne, contralto; Lee Sims, "Hi and Si," Jack Crawford's High Pressure orchestra, Howard Osburn's Vanity Fair cafe orchestra, Eunice Hoefer, organist.

WBZ, Springfield, Mass. (333.1m-900kc), 6 p. m., Hotel Lenox ensemble; 9, Preludinoff, pianist; 9:30, Hotel Brunswick orchestra.

WENR, Chicago, Ill. (265.3m-1130kc), 6-7 p. m., Rauland lyric trio; 8-9, Moody Bible Institute evening hour; 9-10, Arthur Dunas popular program; 12-2 a. m., All-American Pioneers.

WGES, Chicago, Ill. (249.9m-1200kc), 8-9 p. m., Joie Walsh, Tom Wheeler, Frank Hayes, W. Remington Welch, Tiffin theater organ; 11-1 a. m., Billy Fagan, Lew Butler, Chick Mimmic, Esther Richards, Pat Ryan, Peggy O'Neill, Joe Morrison.

WGHB, Clearwater, Fla. (265.3m-1130kc), 8:30-10 p. m., pipe organ recital, Frederick Hubbard.

WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert, Hotel Tuller; 10-11, WGHP entertainers; 11-12, Skylark dance band; 12-1 a. m., Gerald Marks' orchestra.

WGN, Chicago, Ill. (302.8m-990kc), 6:45-7 p. m., request program, Drake concert ensemble, Blackstone string quintet; 7:15-8, Paul Ash's orchestra; 8-8:30, musical program; 8:30-9, Curfew Capers; 9-9:30, WEAF; 9:30-10, Phantom violin; 10-10:10, Sam 'n' Henry; 10:10-10:22, Music Box; 10:22-11, WGN studio ensemble.

WHAR, Atlantic City, N. J. (275m-1090kc), 8 p. m., Seaside hotel trio.

WJAZ, Chicago, Ill. (329.5m-910kc), 9-12 midnight, Earl Hoffman's Chez Pierre orchestra; the Quins that Pass in the Night; Joan Miller, contralto; Henry Meinke, pianist; Frank Mason, violinist; Chez Pierre Hawaiian quartet.

WJJD, Mooseheart, Ill. (370.2m-810kc), 4:45-7 p. m., Howard L. Peterson, organist; Palmer House symphony players; Compton's "I See by the Newspaper" man; Palmer House Victorians; 7-9, music by children of all ages; solos, band, etc.; 9-11, Senator Harold C. Kessinger, Palmer House Victorians; Jean St. Anne; 11:30-12:30 a. m., Settin' Up hour.

WLIB, Chicago, Ill. (302.8m-990kc), 11-11:20 p. m., Correll and Gosden; 11:20-1 a. m., Liberty studio ensemble; Drake hotel dance orchestra; Fred Hamm's orchestra.

WLS, Chicago, Ill. (344.6m-870kc), 6:30 p. m., Elsie Mae Look, organist; 6:45, Maurie Sherman's College Inn orchestra; 7, Elsie and Ralph in lullaby time; 7:15, Rose Sherman, violinist; Marie Ludwig, harpist; 7:30, Al Melgard, organist; 8:30, Grace Wilson, contralto; 10, popular music program; 11-12, Ralph Emerson, organist.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:20, Wide-awake club; 8, George Simons, tenor; 8:15, readings, "Cyrano de Bergerac," Prof. B. G. Nelson; 9:30, Madame Ella Spravka, pianist.

WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon duo, Frank Bordner, baritone; John Stamford, tenor; WMBB male trio, Fella Cook, contralto; Harold Thorpe, pianist; old home songs program; 9-11, Trianon orchestra, Dell Lampe; Woodlawn theater orchestra, Armin F. Hand; Kreuger and Dullon, "The Banjo Barons"; WMBB male trio; Cecil and Esther Ward, Hawaiian guitar duo; Bob Bennett, piano and celeste novelties; in popular program.

WOK, Chicago, Ill. (217.3m-1380kc), 6-7 p. m., Tip-Top Inn string ensemble concert; 10-1:30 a. m., Tearney's Town club orchestra; Midway Gardens orchestra; Pershing Palace orchestra; Katz and his Kittens' orchestra; Capitol theater program.

WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9 p. m., classical concert; Van Wyck's instrumental quartet; 10:10, Ramona Radio revelry; Ramona Gardens orchestra.

WORD, Batavia, Ill. (275m-1090kc), 7 p. m., North Shore line; 7:45, news; 9, program.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Gardens orchestra; Maridean Borresen, baritone; Peter Grosso, tenor; Joan Carlson, soprano; 10-2 a. m., Rainbo Gardens orchestra; Flo and Ray; Romo Vincent, boy baritone; Muriel Olsen, contralto; Johnny Post, baritone.

WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., Gold Standard ensemble; Speed-Wagon serenaders.

WRVA, Richmond, Va. (256.3m-1170kc), 7 p. m., Hotel Richmond orchestra, dinner music; 8:35, Negro Spirituals, Negro chorus, dialect stories from the Southland; 10, Golden Gate Syncopators orchestra; 11, Carry Me Back to Old Virginny.

WSWS, Chicago, Ill. (275m-1090kc), 6 p. m., Georgia Gray, violinist; John Clark, baritone; Zola Haynes, orchestral; Oscar Heather, tenor; 8, orchestra; East Chicago community quartet; 12 midnight, witching hour; orchestra; John Clark; Zola Haynes; Edgar Balfour Eastman, musical star.

WTAM, Cleveland, Ohio (389.4m-770kc), 6:30 p. m., Hotel Cleveland orchestra; 8, Euclid Beach Park orchestra; 9, WEAF; 9:30, Hawaiian program; 11, Euclid Beach Park orchestra.

WTIC, Hartford, Conn. (475.9m-630kc), 7 p. m., Laura C. Gaudet, piano recital; 7:15, "Fiddle an' Bee"; 7:30, Colt Park Municipal dance orchestra; 8:30, First Presbyterian church quartet of Bridgeport, Conn.; 9:30, WTIC's mail bag; 9:45, "Debutants" period.

WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 8, Detroit News orchestra; 9, WEAF.

Central Standard Time Stations

KFKX, Hastings, Nebr. (288.3m-1040kc), 9 p. m., musical program, Hotel Clarke studio.

KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., S. S. lesson discussion; 7:30, Widney sisters.

KFRU, Bristow, Okla. (374.8m-800kc), 6-9 p. m., Josephine Storey-White.

KMA, Shenandoah, Iowa (249.9m-1200kc), 9-11 p. m., mixed musical program.

KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., Jacquinot Jules, organist; 7, KMOX Radio orchestra, Buster's saxophone quintet; Buster's Canaries; 8, KMOX Radio orchestra; A. W. Snyder, accordion soloist; C. L. Weatherwax, Jr., baritone; 9, KMOX Radio orchestra; Eva Sirwell, Bill Snyder, 9:30, Bamalogue; 10, KMOX Radio orchestra; Helen Musick, soprano.

KOIL, Council Bluffs, Iowa (277.6m-1080kc), 7:30 p. m., Paramount program, Mrs. Henry Danneel, soprano; 8:30, Dresher Brothers, Inc., Omaha; 11, Hotsy-Totsy hour.

KWCR, Cedar Rapids, Iowa (278m-1080kc), 9 p. m., studio program.

WBAP, Fort Worth, Texas (475.9m-630kc), 7:30-8:30 p. m., Allene Patterson Duff, contralto; 9:40-11, Mineral Wells Chamber of Commerce.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6:15 p. m., Hugo Philler Goodwin, organist; 8, WEAF; 8:30, Sumpmann trio; Mabel Pelletier, contralto; Wayne Hugelboom, pianist, Paul Oberg, accompanist; 10:05, Nankin cafe orchestra.

WCOA, Pensacola, Fla. (222m-1350kc), 7 p. m., recital, First Presbyterian church choir; David Lloyd, tenor; Mrs. Henry S. Brown, contralto; John D. Thomas, pianist; witticisms, Dr. C. H. Nabers; H. L. Seaburg, vocal solos; Hawaiian melodies, Churchill and Fillingim.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., Harry Frank, organist; 8-8:30, WEAF; 8:30-9:30, varied musical program; 11:15-1 a. m., Nighthawk frolic.

WFAA, Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m., Artie Collins and his orchestra; 8:30-9:30, Henri La Bonte's artists musicians.

WGBF, Evansville, Ind. (236m-1270kc), 7 p. m., dance musical; 8, auto tour.

WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., concert, auspices of Liberty Insurance bank.

WHB, Kansas City, Mo. (365.6m-820kc), 7-8 p. m., Sweeney Radio orchestra.

WHO, Des Moines, Iowa (526m-570kc), 7:30-8 p. m., Philbreck and his Younker tea-room orchestra; 8-9, Herring Motor band; 11-12, Philbreck and his Younker tea-room orchestra.

WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Hotel Gayoso orchestra; 11, Bob Miller.

WOAI, San Antonio, Texas (394.5m-760kc), 8:30 p. m., San Antonio College of Music.

WOAW, Omaha, Nebr. (526m-570kc), 6 p. m., music review; 6:30, orchestra; 6:50, Puritan hour.

WOC, Davenport, Iowa (483.6m-620kc), 8-8:30 p. m., WEAF; 8:30-9:30, Mrs. E. E. Shelley, soprano; Howard A. Carroll, tenor; Francis Arnill, pianist.

WOS, Jefferson City, Mo. (440.9m-680kc), 8:20 p. m., Calloway string band, Jack Selby, Hill Brothers, Roy Willis.

WRR, Dallas, Texas (245.8m-1220kc), 6-7 p. m., Frank Wright, pianist; Mercedes McManus blues singer; 8-9, Magnolia Beaumont band; 11-12, frolic.

WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., Andrew Jackson hotel trio; 8, Peabody ensemble singers, Prof. D. R. Gebhart, director; 10, Mrs. Caldwell Bennett, soprano; Virginia Martin, accompanist; 10:30, F. Arthur Henkel, organist.

WSOE, Milwaukee, Wis. (245.8m-1220kc), 7 p. m., dinner concert, Elks club; 8, fishing talk, Bud Kirkham; 9, Candygram revue.

Mountain Standard Time Stations

KFXF, Colorado Springs, Colo. (250m-1200kc), 8 p. m., Juvenile program, Lois Hunt, Michael Foley and Franklin Fuller.

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra; 8, open-air concert, Denver municipal band.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Semi-classical program; 8-9, Aeolian organ; 9-10, Harry Decker's Hawaiians; 10-11, Packard Ballad hour.

KFWB, Hollywood, Calif. (252m-1190kc), 6-7 p. m., Pontiac Six dinner hour; 7:30-8, Paralta Studios program; 8-9, program, John Wright, The Right Tailor; 9-10, varied program; 10-11, Warner Brothers frolic.

KGO, Oakland, Calif. (361.2m-830kc), 6-6:55 p. m., Bem's Little symphony orchestra.

KGW, Portland, Oregon (491.5m-610kc), 6-7 p. m., dinner concert; 8-9, vocal and instrumental music; 10:30, Hoot Owls.

KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., Uncle John and the children; 8-10, Times de luxe program; 10-11, Clement's Super-Six dance orchestra.

KNX, Hollywood, Calif. (336.9m-890kc), 7-8 p. m., Loftus Land company program; 8-9, Jell-X-Cell program; 9-10, Order of Optimistic Donuts; 10-11, Hollywood American Legion fights; 11-12 midnight, Ambassador hotel dance orchestra.

KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7 p. m., States Restaurant orchestra; 8-9, studio program; 9-10, Palace Hotel Rose room dance orchestra; 10-11, States Restaurant orchestra.

Saturday, July 17

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific	Program
7:25 p. m.	6:25	5:25	4:25	3:25	WJZ (454.3m-660kc), WRC (468.5m-640kc), WGY (379.5m-790kc), New York Philharmonic.
8:30	7:30	6:30	5:30	4:30	WEAF (491.5m-610kc), WGR (319m-940kc), WWJ (352.7m-870kc), Goldman band concert. WLW (422.3m-710kc), Seckatary Hawkins Radio club. WIP (394.5m-760kc), Episode drama, Sesquicentennial.
9:30	8:30	7:30	6:30	5:30	WSAI (325.9m-920kc), Norrine Gibbons.
10	9	8	7	6	KMOX (280.2m-1070kc), Porter Brown.
10:15	9:15	8:15	7:15	6:15	WCCO (416.4m-720kc), Gertrude O'Neil Ganley, reader.
10:30	9:30	8:30	7:30	6:30	WMC (499.7m-600kc), Memphis Plectrum orchestra.
11:30	10:30	9:30	8:30	7:30	KYW (535.4m-560kc), Congress carnival.
12 m.	11	10	9	8	KPO (428.3m-700kc), Mandarin cafe orchestra.

Saturday, silent night for: CNRA, CNRC, CNRE, CNRM, CNRR, CNRT, CNRV, CNRW, KFKX, KFUO, KFXF, KMA, KTAB, KWWG, WBAL, WCAL, WCAU, WCBD, WCX, WEBJ, WEEI, WGBF, WGCP, WGHP, WGST, WHA, WHAD, WHAZ, WHN, WHO, WJAR, WLIT, WLWL, WOO, WOS, WRVA, WTAG, WTIC, WWJ.

Atlantic or Eastern Daylight Saving Time Stations

CFCA, Toronto, Can. (356.9m-840kc), 9 p. m., CFCA's summer orchestra.

WBBR, New York, N. Y. (272.6m-1100kc), 8 p. m., Prof. Charles Rohner, violinist; 8:10, Fred Twaroschk, tenor; 8:45, Prof. Charles Rohner, violinist.

WEAF, New York, N. Y. (491.5m-610kc), 4-12 midnight, Hotel Waldorf-Astoria; musical comedy hits, WEAF Musical Comedy troupe; Goldman band concert; Olive Cornell, soloist; Goldman band concert; Ben Bernie's orchestra.

WFI, Philadelphia, Pa. (394.5m-760kc), 8:30 p. m., Episotic drama, Sesquicentennial.

WGBS, New York, N. Y. (315.6m-950kc), 6 p. m., Uncle Geebee; 7:15, Royal Arcadian orchestra; 10:30, Arrowhead Inn dance orchestra.

WHAR, Atlantic City, N. J. (275m-1090kc), 7:30 p. m., lecture period; 8, Seaside hotel trio.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 7, Uncle Wip's bedtime stories; 8:15, Hotel Ambassador orchestra; 9, Traymore orchestra; 9:15, Emmett Welch's Minstrels; 10:15, Garden Pier dance orchestra; 10:45, Ted Weems' dance orchestra; 11:30, Hotel Shelburne dance orchestra.

WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Waldorf-Astoria Roof orchestra; 8:25, Stadium Philharmonic concert, WRC; 10:30, Hotel Astor Roof orchestra.

WMAK, Buffalo, N. Y. (265.3m-1130kc), 6:30-7:15 p. m., dinner music, Onondaga hotel; 7:30-8:30, Shea's Buffalo theater; 8:30-9:30, musicale; 9:30-10:30, musicale; 10:30-11:30, dance program, WGY.

WMCA, New York, N. Y. (340.7m-880kc), 7 p. m., Tappen's orchestra; 8, musical program; 9, musical program; 11, Ernie Golden and his Hotel McAlpin orchestra; 12, McAlpin entertainers.

WNYC, New York, N. Y. (526m-570kc), 7 p. m., piano selections; 7:15, song.

WOR, Newark, N. J. (405.2m-740kc), 6:15 p. m., Jacques Jacobs Hotel Shelton ensemble; 7, Jacques Jacobs Hotel Shelton ensemble; 7:30, Oreste's Queensland orchestra; 8:30, Arthur Pryor's band; 9:15, Casino orchestra; 9:45, Berkley-Carteret concert orchestra; 10:15, brass quartet; 10:30, Society orchestra; 11:15, Ben Bernie Berkley-Carteret.

WPG, Atlantic City, N. J. (299.8m-1000kc), 6:45 p. m., Arthur Scott Brook, organist; 7, Hotel Morton dinner music; 7:30, Hotel Shelburne dinner music; 8, Hotel Ambassador dinner concert; 8:30, studio program; 9, Hotel Traymore concert orchestra; 9:45, Emmett Welch's

WGHP WILL GIVE CAMPERS ADVICE

Saturday, July 17

Minstrels; 10:15, dance orchestra; 10:45, Ted Weems' novelty dance orchestra; 11:30, dance music.

Eastern Standard or Central Daylight Saving Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 5:30 p. m., band concert; 8:30, Westinghouse Employees band.

KYW, Chicago, Ill. (535.4m-560kc), 7 p. m., music hour; 8, KYW's Congress hotel studio; 9-10:30, classical concert; 10:30-12 midnight, Congress carnival; Benson orchestra.

WADC, Akron, Ohio (285.5m-1160kc), 9 p. m., Roseland dance orchestra.

WBBM, Chicago, Ill. (225.3m-1330kc), 5-6 p. m., Eddie Hansen, organist; 8-9:30, Pullman Porters' quartet, Lee Sims, Eunice Hoefer, organist, "Hi and Si," Alemite string trio, Fred L. Jeske, baritone, Kay Ronayne, contralto; 9:30-10, Moss Covered melodies; 10-11:30, Fred L. Jeske, baritone, Florence Sangor, pianist, Smith and Ford, Alemite High Pressure orchestra, Howard Osburn's Vanity Fair cafe orchestra, Eunice Hoefer, organist; 11:30-2 a. m., Pullman Porters' quartet, Jack Crawford's Alemite High Pressure orchestra, Howard Osburn's Vanity Fair cafe orchestra, WBBM staff artists.

WBZ, Springfield, Mass. (333.1m-900kc), 6 p. m., Capitol theater orchestra; 8, musicale; 8:30, Hotel Westminster orchestra; 9, musicale.

WENR, Chicago, Ill. (265.3m-1130kc), 6-7 p. m., Rauland lyric trio; 8-9, Arthur Dunas popular program; 9-10, All-American Pioneers; 12-2 a. m., frolic.

WGES, Chicago, Ill. (249.9m-1200kc), 8-9 p. m., Gyon's Paradise Ballroom orchestra; Frank Sylvano, Esther Richards, W. Remington Welch, Tiffin theater organ, Tom Wheeler, Pat Ryan; 11-1 a. m., frolic.

WGN, Chicago, Ill. (302.8m-990kc), 6:35-7 p. m., dinner music, Drake concert ensemble, Blackstone string quintet; 8:10-8:20, Drake concert ensemble; 8:20-8:30, Correll and Gosden; 8:30-9, Fred Hamm and his orchestra; 9-9:30, light opera period; 9:30-10, musical program; 10-10:10, Sam 'n' Henry; 10:10-10:22, Music Box; 10:22-11, WGN studio ensemble.

WHAR, Atlantic City, N. J. (275m-1090kc), 8 p. m., Seaside hotel trio.

WJAZ, Chicago, Ill. (329.5m-910kc), 9-1 p. m., Avery McIntyre, pianist; James Harvard, cellist; Harry Davis, baritone; Marie Wright, soprano; Chez Pierre Hawaiian quartet.

WJJD, Mooseheart, Ill. (370.2m-810kc), 4:45-7 p. m., Howard L. Peterson, organist; Palmer House symphony players; Compton's "I see by the newspaper" man; Palmer House Victorians; 7-9, Isabel Defaut, Palmer House Victorians, Simeon Oliver; 9-11, Isabel Defaut, Palmer House studio, Cook Sisters; 11-1, Settin' Up Hour.

WLIB, Chicago, Ill. (302.8m-990kc), 7:05-7:15 p. m., Old-Fashioned Almanack; 7:15-7:30, Drake concert ensemble, Blackstone string quintet; 7:30-8, Drake concert ensemble; Pattison Coates, baritone; 11-11:20, Correll and Gosden; 11:20-1 a. m., Liberty Studio ensemble; Ambrose Larsen, organist; Drake hotel dance orchestra; Fred Hamm's orchestra.

WLS, Chicago, Ill. (344.6m-870kc), 6:30 p. m., Elsie Mae Look, organist; 7, Lullaby time, Elsie and Ralph; 7:15, National barn dance with fiddlers and callers; 1 a. m., Ralph Emerson, organist; WLS Twin Wheeze.

WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., Johanna Grosse, organ concert; 7:30, meeting of the Secretary Hawkins Radio club; 8, Johanna Grosse; 8:30, Henry Theis' Castle Farmers.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Jack Chapman's orchestra; 8:30, photologue; 9, Chicago theater weekly Radio revue.

WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon ensemble, Elizabeth Roehlk, cellist; Margaret Conrad, violinist; Preston Graves, pianist; Davida Boyd, whistler.

WOK, Chicago, Ill. (217.3m-1380kc), 6-7 p. m., Tip-Top Inn string ensemble concert; 10-1 a. m., Tearney's Town club orchestra; Midway Gardens orchestra; Pershing Palace orchestra, Katz and his Kittens' orchestra; Capitol theater program.

WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9 p. m., Elizabeth Barker Van Campen hour of music; 10:05, Bob, Hazel McOsker, Freddie Gleason, Thelma Dykman, Louie Cunningham, Dodo and Mom, Van Wyck's instrumental quartet, Ramona Gardens orchestra.

WORD, Batavia, Ill. (275m-1090kc), 7 p. m., Webster Hotel concert program; 9, studio program.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., dinner concert hour; Edmund B. Kelly, baritone; Katherine Gray, soprano; Katherine McDevitt, pianist; 10-3 a. m., orchestra; Jerry Sullivan; Harry Geise; Joe Warner; Bert Davis, Nubs Allen; Rita McFawn.

WRC, Washington, D. C. (468.5m-640kc), 7:30 p. m., New York Philharmonic society; 8:30, announced; 9, Kitt hour of music; 10, dance program; 11, Otto F. Beck, organist.

WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., Gold Standard ensemble; Speed-Wagon serenaders; 10-12, Speed-Wagon serenaders; Merwin Jenkins, blind entertainer.

WSAI, Cincinnati, Ohio (325.9m-920kc), 8:30 p. m., Bicycle Playing Card sextet; 12 midnight, Lelia LeMar, Latonia Melody Boys; Norinne Gibbins, Priscilla Holbrook, Maids of Melody.

WSWS, Chicago, Ill. (275m-1090kc), 6 p. m., William Dyckman, bass; Georgia Gray, Zola Haynes; 8, Terrace Gardens orchestra; Peter Grosso, tenor; John Clark, baritone; Zola Haynes, pianist; Ned Becker, comedian; 10, Terrace Gardens quintet; Gail Bandell, blues; Freddie Wittmer; Matthews Sisters; 12 midnight, Witching hour.

WTAM, Cleveland, Ohio (389.4m-770kc), 6 p. m., Jack Horsley Collegian serenaders; 7:30, studio program; 8, Hollenden hotel orchestra; 9, Novelty studio program.

WWJ, Detroit, Mich. (352.7m-850kc), 7:30 p. m., Goldman band concert.

Central Standard Time Stations

KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., open; 11, old-time music.

KFRU, Bristow, Okla. (374.8m-800kc), 6-9 p. m., Marshall Van Pool and his Radio KVOO orchestra.

KLDS, Independence, Mo. (440.9m-680kc), 8 p. m., studio program arranged, Mrs. Wm. De Bernadi.

KMA, Shenandoah, Iowa (252m-1190kc), 9-11 p. m., Ye Olde Tyme Gang orchestra; Willy Cunningham, the farmer Scotchman.

KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., Jacquinot Jules, organist; 7, KMOX Radio orchestra; Porter Brown, banjoist; 9, KMOX Radio orchestra; 9:30, Riley readings, Ruth Downey; Rolf Gaudard, celeste song bells; 10, KMOX Radio orchestra.

KOIL, Council Bluffs, Iowa (277.6m-1080kc), 6:30 p. m., Miss Lee Kearse, piano selections; 7:30, Mrs. Frank Brown, soprano; Wilma Meloiz, contralto; 8, Grace Dennison Shaeffer, director; 11, Hotsy Totsy hour.

KPRC, Houston, Texas (296.9m-1010kc), 7:30 p. m., Universal Bible class, Rev. M. M. Wolf; 8, Skyline studios popular concert.

WBAP, Fort Worth, Texas (475.9m-630kc), 8-8:30 p. m., Vesper symphony; 9:30-11, Hired Hand's Little symphony.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6:15 p. m., Emmet Long's Golden Pheasant orchestra; 8:15, Gertrude O'Neil Ganley, reader; Lucille Frankman Murphy, accompanist; Sophie Spear, banjoist; 9, Jenny Lind quintet; 10:05, Wallie Erickson's Coliseum orchestra; Collegiate Harmonizers; Don McKinnon, tenor; Ruth McKibben, accompanist.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., orchestra; 11:45-1 a. m., Nighthawk frolic.

WFAA, Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m., Jimmy Joy's orchestra; 8:30-9:30, Mozart choral club; 11-12, Jack Gardner's orchestra.

WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., concert, W. R. Cason, director; Girl's vocal quartet; male vocal quartet; Harriet Ellis Cason, pianist.

WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Memphis Plectrum orchestra.

WOAW, Omaha, Nebr. (526m-570kc), 6:30 p. m., orchestra; 9, Omaha Printing company; 10, Elks club.

WOC, Davenport, Iowa (483.6m-620kc), 9-10 p. m., Bernard Regan, baritone; May Chambers, soprano; Emil Haas, reader.

WRR, Dallas, Texas (245.8m-1220kc), 6-7 p. m., dinner hour concert; 8-9, Elena Munster, soprano; Bob Reeves, tenor; Babo Musgrove, baritone; Mrs. Betty Judd, pianist.

WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., Andres Jackson hotel trio; 8, popular and barn dance program.

WSMB, New Orleans, La. (319m-940kc), 8:30-10:30 p. m., Theodore Rochl and associate artists.

WSOE, Milwaukee, Wis. (245.8m-1220kc), 7 p. m., dinner concert, Elks club; 8:30, Sunday school lesson.

Mountain Standard Time Stations

KFXF, Colorado Springs, Colo. (250m-1200kc), 9 p. m., Sells-McClusky first orchestra.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Al Wesson and his orchestra; 8-9 p. m., Angelus string trio; 9-10, Ray Canfield, concert ukulele; 10-11, Packard Radio club; 11-2 a. m., KFI midnight frolic.

KFWB, Hollywood, Calif. (252m-1190kc), 6-7 p. m., Pontiac Six dinner hour; 7:30-8, program, Stoll, Heckinger and Hepp, Inc.; 8-11, Warner Brothers Saturday night frolic.

KGO, Oakland, Calif. (361.2m-830kc), 8:10-9 p. m., Sacramento string quartet; Laura Broderick, soprano; 9-10, Western Pacific band; 10-1 a. m., Wilt Gunzendorfer's Hotel Whitcomb band.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 10-12 midnight, Herman Kenin's orchestra; Punch Green, pianist.

KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., Uncle John and the children; 8-10, varied musical program.

KJR, Seattle, Wash. (384.4m-780kc), 8:30-10 p. m., L. C. Warner Co., studio program.

KNX, Hollywood, Calif. (336.9m-890kc), 7:30-8 p. m., studio program; 8-10, program, Broadway Department store; 10-11, Ambassador hotel dance orchestra; 11-1 a. m., Edgewater club.

KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7:30 p. m., States Restaurant orchestra; 8-12 midnight, Mandarin cafe orchestra.

KPSN, Pasadena, Calif. (315.6m-950kc), 8-9 p. m., Star-News instrumental ensemble and vocal artists.

Queen Titania and all her court appear at KHJ, Los Angeles, regularly once a month or even oftener depending upon the moon and various other things which only fairies can understand. No one knows the queen's mortal name but it is generally known that this pretty young lady is a child star of great promise. The dancer standing at the left looks as if she might belong to the fairy court of Queen Titania. She is Ruth Russell Matlock, soprano, who sings, plays the piano, acts and dances before the microphone of WFBH, New York.

Sunday, July 18

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
7:20 p. m.	6:20	5:20	4:20	3:20

WEAF (491.5m-610kc), WEEI (348.6m-870kc), KSD (545.1m-550kc), WCAP (468.5m-640kc), WWJ (352.7m-850kc), WJAR (305.9m-980kc), WCAE (461.3m-650kc), Capitol Family.

8	7	6	5	4

WOK (217.3m-1280kc), Katz and his Kittens.

9:15	8:15	7:15	6:15	5:15

WFAA (475.9m-630kc), Tom D. Collins and his Gibson mandolin and guitar club.

9:30	8:30	7:30	6:30	5:30

WHO (526m-570kc), Fourteenth Cavalry band.

9:45	8:45	7:45	6:45	5:45

WEAF (491.5m-610kc), WEEI (348.6m-870kc), WJAR (305.9m-980kc), WTAG (268m-1120kc), WCSH (256.3m-1170kc), WSAI (325.9m-920kc), Goldman band concert.

10:15	9:15	8:15	7:15	6:15

WEEI (348.6m-870kc), Keith's Radio revue.

12 m.	11	10	9	8

KNX (336.9m-890kc), Circle theater organ.

Sunday, silent night for: CFAC, CHIC, CKAC, CKNC, CNRA, CNRC, CNRE, CNRM, CNRO, CNRR, CNRT, CNRV, CNRW, KFAB, KFH, KFKX, KFOA, KFXF, KMA, KWWG, WAHG, WDAF, WEOA, WEBJ, WEBW, WFI, WGBF, WGHB, WGHP, WHAS, WHAZ, WJAZ, WJJD, WJR, WLIT, WLWL, WMAQ, WMC, WNYC, WOAW, WOI, WOOD, WRC, WREO, WRVA, WSB, WSM, WTAM, WTIC.

Atlantic or Eastern Daylight Saving Time Stations

CFCA, Toronto, Can. (356.9m-840kc), 11 a. m., St. Paul's Anglican church; 7 p. m., Timothy Eaton Memorial church; 9:30, CFCA's concert orchestra.

WBBR, New York, N. Y. (272.6m-1100kc), 10 a. m., Bible lecture, music; 2 p. m., Watchtower orchestra; 9, Watchtower instrumental trio.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 11 a. m., First Unitarian church services; 5 p. m., recital; 5:15, Undenominational church services; 5:25, sermon, Rev. John W. Stockwell; 6:45, Hotel Pennsylvania orchestra; 7:45, Cathay Garden orchestra; 8:30, Barry O'Moore and the Bonwit Teller ensemble.

WEAF, New York, N. Y. (491.5m-610kc), 3-4 p. m., Greater New York Federation of Churches; 4:30, vespers, Federation Mixed quartet; 5:30, Chevalier Luigi Constantino, pianist; 6, Carl Rollins, baritone; 7:20, Capitol Family, WEEI, KSD, WCAP, WWJ, WJAR, WCAE; 9:15, Atwater Kent Radio half hour, WEEI, WGR, WCAP, WWJ, WSAI, WGN, WCCO, KSD; 9:45-10:15, Goldman band concert, Waino Kauppi, cornetist, WEEI, WJAR, WTAG, WCSH, WSAI.

WEEI, Boston, Mass. (348.6m-860kc), 7:20 p. m., WEAF; 9:15, WEAF; 9:45, WEAF; 10:15, Keith's Radio review.

WGR, Buffalo, N. Y. (319m-940kc), 8:30-10 p. m., WEAF.

WHAR, Atlantic City, N. J. (275m-1090kc), 10:45 a. m., Chelsea Baptist church; 2:15 p. m., Seaside hotel trio; 7:50, Chelsea Baptist church; 9, Seaside hotel ensemble.

WHN, New York, N. Y. (361.2m-830kc), 7:30 p. m., Calvary Baptist church; 10:45, Janssen's Hofbrau orchestra; 12, Sophie Tucker's Playground orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 4:15 p. m., community vocal and instrumental recital; 7:15, services, Holy Trinity church; 9:15, concert, Steel Pier; 10:30, Atlantic City high school.

WJZ, New York, N. Y. (454.3m-660kc), 6 p. m., staff recital; 6:45, Hotel Pennsylvania concert orchestra; 7:05, Park avenue Baptist church Carillon; 7:25, Hotel Pennsylvania concert orchestra, WGY; 8:30, Hotel Madison concert orchestra; WGY; 9:30, Godfrey Ludlow, violinist; Anna Louise Faber, pianist.

WMAK, Buffalo, N. Y. (265.3m-1130kc), 7 p. m., Churchill Tabernacle evening service.

WMCA, New York, N. Y. (340.7m-880kc), 7 p. m., Ernie Golden and his Hotel McAlpin orchestra; 9, Jewish Forward hour.

WOO, Philadelphia, Pa. (508.2m-590kc), 10:45 a. m., services, Bethany Presbyterian church; 2:30, musical exercises, Bethany Sunday school; 6, sacred recital, Wanamaker organ.

Eastern Standard or Central Daylight Saving Time Stations

KYW, Chicago, Ill. (535.4m-560kc), 11 a. m., Second Presbyterian church; 4, studio concert; 9:30-11, classical concert.

WBAL, Baltimore, Md. (245.8m-1220kc), 7:30-8:30 p. m., WBAL concert orchestra.

WBBM, Chicago, Ill. (225.3m-1330kc), 5-6 p. m., Eddie Hansen, organist; 8-10, Jack Crawford's Alemite High Pressure orchestra, Howard Osburn's Vanity Fair Cafe orchestra, Pauline Atlass, violinist; Maurice Silverman, tenor; Kay Ronayne, contralto; Hazel McBroom, contralto; Fred L. Jeske, baritone; Florence Sangor, pianist; 12 midnight, The Nutty club.

WENR, Chicago, Ill. (265.3m-1130kc), 9:15 a. m., services; 2-3 p. m., Skeeles-Biddle hour of better music; 3-4, Moody Bible Institute hour; 6-7, Moody Bible Institute evening hour; 9:30-12, All-American Pioneers.

WGES, Chicago, Ill. (249.9m-1220kc), 10:30 a. m., M. E. church; 11:45, high mass, Our Lady of Sorrows church; 5-7:40 p. m., Casey and Gervais; Sylvia Goldsmith, Joie Walsh, Frank Hayes, Tom Wheeler, Pat Ryan, Esther Richards; Joe Morrison; 11-1 a. m., frolic.

WGHP, Detroit, Mich. (270.1m-1110kc), 11 a. m., Grosse Pointe Memorial church.

WGN, Chicago, Ill. (302.8m-990kc), 6:45-7 p. m., musicale; 7-7:20, Million sing; 7:20-7:30, Old-Fashioned Almanack; 7:30-8, musicale; 8-8:15, Drake concert ensemble, Blackstone string quintet; 8:15-8:45, WEAF; 8:45-9, musical program; 9-10, Our Music room; 10-10:10, Sam 'n' Henry; 10:10-11, WGN studio ensemble.

WGY, Schenectady, N. Y. (379.5m-790kc), 6 p. m., WJZ; 6:20, Hotel Pennsylvania orchestra; 7, Miscellaneous program; 7:30, Hotel Madison orchestra; 8:30, miscellaneous program; 9-9:30, WJZ.

WHAR, Atlantic City, N. J. (275m-1090kc), 10:45 a. m., Chelsea Baptist church; 2:15 p. m., Seaside hotel trio; 7:50, evening service; 9, classical program, Seaside hotel ensemble.

WJAZ, Chicago, Ill. (329.5m-910kc), 7-9 p. m., Girvin trio; Clara Haffenberg, soprano; Mae Doelling Schmidt, pianist.

WJJD, Mooseheart, Ill. (370.2m-810kc), 12-1 p. m., Howard L. Peterson, organist; 1:30-3:30, Mooseheart Sunday concert; 2:30-4, Mooseheart Radio Bible class; 3-5:30, Palmer House Sunday symphonic orchestra.

WLIB, Chicago, Ill. (302.8m-990kc), 5-5:45 p. m., Liberty studio ensemble; 5:45-6:15, Edward Benedict, organist.

WLS, Chicago, Ill. (344.6m-870kc), 7-8:55 p. m., WLS Little Brown Church in the Vale, WLS trio and Sol Heller, baritone.

WLW, Cincinnati, Ohio (422.3m-710kc), 11 a. m., morning worship, Rev. W. E. Roberts, Delta Avenue M. E. church; 7 p. m., organ recital, C. Hugo Grimm; 8, Crosley Little symphony orchestra.

WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon ensemble, vocal artists, sunset musicale; 9-11, Trianon orchestra, Dell Lampe, Woodlawn theater orchestra, Armin F. Hand. Billie Allen Hoff, Vail and Abbott, Harmony duo, Irene and Albert Patten, Hawaiian guitar duo, Joe Parson, baritone; Bob Bennett, piano and celeste novelties.

WOK, Chicago, Ill. (217.3m-1380kc), 6 p. m.-1 a. m., Tip-Top Inn string ensemble concert; Tearney's Town club orchestra; Midway Gardens orchestra; Pershing Palace orchestra; Katz and his Kittens' orchestra; Capitol theater program.

WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9 p. m., Corduroy Tire Little symphony orchestra; specialty; Corduroy Balloonists; 10:05, Van Wyck's instrumental quartet; 11, Wild and Woolv Workers' club.

WQJ, Chicago, Ill. (447.5m-670kc), 3-4 p. m., Sunday afternoon concert hour; song cycle, "Florina," North Shore quartet; 8-10, Rainbo Gardens orchestra; Helen Ginsberg, soprano; Clarence Claussen, baritone; Shepard Levine, tenor; Henrietta Nolan, violinist; other artists.

WREO, Lansing, Mich. (285.5m-1050kc), 10 a. m., chimes, Belfry Plymouth Congregational church; 10:30, services.

WSAI, Cincinnati, Ohio (325.9m-920kc), 11 a. m., church; 7:45 p. m., chimes; 8, sermonette; 8:15, WEAF; 8:45, WEAF.

WSWS, Chicago, Ill. (275m-1090kc), 11 a. m., Moody church; 3:30-5 p. m., popular service, Rev. Philpott; 7-9:30, song service.

WTAM, Cleveland, Ohio (389.4m-770kc), 10:30 a. m., First Methodist church; 7 p. m., Park theater orchestra; 8, twilight musicale.

WWJ, Detroit, Mich. (352.7m-850kc), 10 a. m., First Presbyterian church; 2 p. m., Detroit News orchestra; 6:20, WEAF; 8:15, WEAF.

Central Standard Time Stations

KFNF, Shenandoah, Iowa (263m-1140kc), 8 p. m., Christian church services.

KFRU, Bristow, Okla. (374.8m-800kc), 12:30-7 p. m., pipe organ, band; 7:30-9, worship hour.

KLDS, Independence, Mo. (440.9m-680kc), 6:30 p. m., Radio vesper service; Nina Grenawalt Smith, soprano; Lulu Tyrrell, contralto; George Anway, tenor; Frank Russell, bass; sermonet; Ralph W. Farrell; 9:15, studio service; Robert Miller, organist; Albert Brackenbury, bass; Vivial Latta, soprano; sermonet, Apostle Paul M. Hanson.

KMOX, St. Louis, Mo. (280.2m-1070kc), 8 p. m., KFQA, The Principia; 9, Skouras Brothers Sunday night club.

KOIL, Council Bluffs, Iowa (277.6m-1080kc), 7:30 p. m., Paramount program; Hotsy Totsy hour.

KPRC, Houston, Texas (296.9m-1010kc), 8 p. m., First Methodist church, Rev. A. Frank Smith, pastor; 9:30, Skyline studios band concert; 11, Texan theater pipe organ concert.

KWCR, Cedar Rapids, Iowa (278m-1080kc), 5 p. m., vesper services; 9:30, Sunshine mission.

GERTRUDE O'NEIL GANLEY AT WCCO

Sunday, July 18

WBAP, Fort Worth, Texas (475.9m-630kc), 11 a. m., First Methodist church; 5-6 p. m., musicale; 9:30-11, Sorin-White Top o' Texas orchestra.
WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 10:30 a. m., Westminster Presbyterian church; 4:10 p. m., House of Hope, Presbyterian church; 7:15, WEAF; 9:30, Hugo Philler Goodwin, organist.
WDAF, Kansas City, Mo. (365.6m-820kc), 3-4 p. m., classical concert; 4-4:45, vespers.
WCBD, Zion, Ill. (344.6m-870kc), 9 p. m., mixed quartet; trombone quartet; Mr. G. R. Sparrow, tenor; Mrs. G. R. Sparrow, contralto; Erwin Rendall, flutist.
WFAA, Dallas, Texas (475.9m-630kc), 2:30-3 p. m., Farmers' hour; 6-7, Radio Bible class; 8-9, First M. E. church; 11-12, Ligon Smith's orchestra.
WHAS, Louisville, Ky. (399.8m-750kc), 9:57 a. m., organ prelude; 10, Virginia Avenue Methodist church.
WHB, Kansas City, Mo. (365.6m-820kc), 9:40 a. m., Linwood Blvd. Christian church; 11:15, Independence Blvd. Christian church; 8 p. m., evening services; 11:15, Morrill Moore, organist; Don Anchors, poet.
WHO, Des Moines, Iowa (526m-570kc), 5-6 p. m., Bankers Life Little symphony orchestra; Myrtle Williams, soprano; 7:30-8:50, Fourteenth Calvary band.
WMC, Memphis, Tenn. (499.7m-600kc), 11 a. m., services, Second Presbyterian church.
WOAI, San Antonio, Texas (394.5m-760kc), 1 a. m., First Presbyterian church; 7:45, Central Christian church.
WOAW, Omaha, Nebr. (526m-570kc), 9 a. m., chapel service; 1:30 p. m., Father Flanagan's boys' home period; 2:30, classical.
WOC, Davenport, Iowa (483.6m-620kc), 1-2 p. m., Palmer Little symphony; 8-8:30, church service; 9:30-10:30, Palmer Little symphony.
WSM, Nashville, Tenn. (282.8m-1060kc), 7:30 p. m., First Presbyterian church.
WSUI, Iowa City, Iowa (483.6m-620k), 9 p. m., familiar hymns.

Mountain Standard Time Stations

KOA, Denver, Colo. (322.4m-930kc), 11 a. m., Augustana Lutheran church; 6:30 p. m., KOA choristers; 8, open-air concert, Denver municipal band.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Jim, Jack and Jean trio; 8-9, Aeolian organ; 9-10, Badger's Hollywood Californians; 10-11, Packard Six dance orchestra.
KFWB, Hollywood, Calif. (252m-1190kc), 9-11 p. m., Warner Brothers movie frolic, Len Nash's Town band.
KGO, Oakland, Calif. (361.2m-830kc), 11 a. m., First Congregational church; 4 p. m., vesper; 6:30-7:30, Bem's Little symphony orchestra; 7:45, First Congregational church; 9-10, Bem's Little symphony orchestra.
KGW, Portland, Ore. (491.5m-610kc), 10:25 a. m., church services; 7:30-9, evening service; 9-10, Chevrolet symphony orchestra.
KHJ, Los Angeles, Calif. (405.2m-740kc), 7-8 p. m., First Methodist Episcopal church; 8-10, Orpheus Four male quartet and others.
KJR, Seattle, Wash. (384.4m-780kc), 7:45-8 p. m., Mrs. Montgomery Lynch, organist; 8-9:15, First M. E. church services; 9:15-10:45, Puget Sound Savings & Loan Ass'n orchestra; solos.
KNX, Hollywood, Calif. (336.9m-890kc), 7-8 p. m., Circle theater organ and orchestra; 8-9, First Presbyterian church; 9-10:30, program, Reed Brothers.
KPSN, Pasadena, Calif. (315.6m-950kc), 6:30-7:30 p. m., Maryland artists' ensemble, Henry J. Van Praag, director.
KTAB, Oakland, Calif. (239.9m-1250kc), 9:45 p. m., Bible lecture; 11, service; 7:45, service.

Monday, July 19

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
9 p. m.	8	7	6	5
WOR (405.2m-740kc), Newark Philharmonic band.				
9:30	8:30	7:30	6:30	5:30
WCOA (222m-1350kc), Venetian trio.				
10	9	8	7	6
WGHP (270.1m-1110kc), T. Stanley Perry, tenor.				
10:15	9:15	8:15	7:15	6:15
KOA (322.4m-930kc), "Border Lines," historical play.				
11	10	9	8	7
KMA (252m-1190kc), Corey and Carl.				
KWWG (277.6m-1080kc), Senorita Carlotta Villereal.				
WCCO (416.4m-720kc), Scandinavian ensemble.				
12 m.	11	10	9	8
WSM (282.8m-1060kc), Vito and his Radio Seven.				

Monday, silent night for: CKAC, CNRA, CNRC, CNRE, CNRM, CNRO, CNRR, CNRT, CNRV, CNRW, KHJ, KLDS, KPSN, KWSC, KYW, WBBM, WCBD, WEBH, WEBJ, WENR, WGBF, WGBS, WGES, WGN, WHAS, WHT, WIBO, WIP, WJAZ, WJJD, WLIB, WLS, WMAQ, WMBB, WOAI, WOC, WOK, WORD, WQJ, WRC, WSAI.

Atlantic or Eastern Daylight Saving Time Stations

CKNC, Toronto, Can. (356.9m-840kc), 9 p. m., Eveready orchestra; CKNC male quartet.
WBBR, New York, N. Y. (272.6m-1100kc), 8 p. m., George Twaroschk, violinist; Irene Kleinpeter, soprano; 8:20, Bible lecture; 8:40, soprano; 8:50, violinist.
WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30 p. m., recital, N. Snellenburg and company; 8, Carolyn Thomas, soprano; 8:30, Hood Boys; 8:45, Merry Minstrels; 9:30, Roy Tracy, tenor; 9:45, Chalfant Sisters; 10, Madrigal mixed quartet; 10:30, Eddie Campbell and orchestra.
WEAF, New York, N. Y. (491.5m-610kc), 4-12 midnight, dinner music; midweek hymn; Meyer Davis' Park Lane orchestra; Goldman band concert; Viola Sherer, soprano; grand opera, "L'Elisir di Amour"; Rolfe's Palais D'Or orchestra.
WHAR, Atlantic City, N. J. (275m-1090kc), 8 p. m., Seaside hotel trio; 9, studio concert; 11, Follies Bergere dance orchestra.
WHN, New York, N. Y. (361.2m-830kc), 6:30 p. m., WHN movie club; 7:30, Joe Ward's Swanee entertainers; 8, Roseland dance orchestra; 9, Leverich Three and "Peter the Great"; 9:30, Loew's New York theater orchestra; 10, Palisades Amusement park orchestra; 10:30, Leroy Smith's orchestra; 11:30, Club Alabam orchestra; 12, Eddie Edward's Southerners.
WIP, Philadelphia, Pa., (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 7, Uncle Wip's bedtime stories.
WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Hotel Madison dinner concert orchestra; 7:55, John B. Kennedy; 8, Maxwell House Coffee ensemble; 11, Harry Leonard's Waldorf-Astoria orchestra.
WLIT, Philadelphia, Pa. (394.5m-760kc), 9 p. m., Stanley hour of music; 10, Arcadia cafe dance orchestra.
WLWL, New York, N. Y. (288.3m-1040kc), 9:15 p. m., songs; 9:45, musicale; 10:30, ensemble.
WMAK, Buffalo, N. Y. (265.3m-1130kc), 6:15-7:15 p. m., dinner music, Philco Battery serenaders; 7:30-8:15, musicale; 9-10, musicale; 10-11, Beaver Products Co., Inc.
WMCA, New York, N. Y. (340.7m-880kc), 6:30 p. m., Ernie Golden and his Hotel McAlpin orchestra; 9:15, Hardman hour of music; 11, Jack Denny's orchestra; 11:30, Club Brighton orchestra; 12, McAlpin entertainers.
WNYC, New York, N. Y. (526m-570kc), 6 p. m., piano selections; 7:35, songs.
WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Ritz Carlton dance orchestra; 8, address, Rev. Forest Dager; 8:30, organ recital; 9, Sesquicentennial program; 10, WEAF; 10:30, Adelphia dance orchestra.
WOR, Newark, N. J. (405.2m-740kc), 6:15 p. m., Jacques Jacobs ensemble; 7, Jacques Jacobs Hotel Shelton ensemble; 8:30, band; 9:45, Monterey society orchestra; 10:45, Monterey concert orchestra; 11:15, Ben Bernie Berkeley Carteret.

Here is Paul Ash of the Merry Mad gang, haircut and all. Just imagine, Balaban and Katz think so highly of this cut they have made Mr. Ash sign a contract to wear his hair this way. But all this will not interest Radio fans who tune in for the famous entertainer and his orchestra at WGN on Friday nights, which all goes to show Mr. Ash would be just as entertaining without any hair. Dorothy Stevens Humphrey, right, might have stepped down from some old-fashioned picture frame to be inserted in our columns. This lovely costume she wore last winter when appearing in an operatic role. Her beautiful voice is often heard from WEAO, Columbus.

Eastern Standard or Central Daylight Saving Time Stations

WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., WBAL dinner orchestra; 7:30-8, WBAL male quartet; 8-9, WBAL trio; 9-10, WBAL dance orchestra.
WGHB, Clearwater, Fla. (265.3m-1130kc), 8:30-10 p. m., Caroline Lee, "The Virginia Girl" and her Spanish guitar; Bob Houts, baritone; Eldon McMullen, pianist; Capitol theater orchestra.
WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert, Hotel Tuller; 8:30, WGHP Harmony Four; 9-10, WGHP ensemble, T. Stanley Perry, tenor; 12-1 a. m., Gerald Marks' orchestra.
WGY, Schenectady, N. Y. (379.5m-790kc), 6:30-7:15 p. m., piano and soprano solos; 7:15-8, agricultural program; 8-8:30, musical program.
WHAR, Atlantic City, N. J. (275m-1090kc), 8 p. m., Seaside hotel trio; 11, Follies Bergere dance orchestra.
WJJD, Moosecheart, Ill. (370.2m-810kc), 4:45-7 p. m., Howard L. Peterson, organist; Palmer House symphony players; Compton's "I see by the newspaper" man; Palmer House Victorians.
WLS, Chicago, Ill. (344.6m-870kc), 6:30 p. m., Elsie Mae Look, organist; 6:45-7, Maurie Sherman's College Inn orchestra.
WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., Hotel Gibson Florentine room; 7:30, theatrical feature; 7:40, Hotel Gibson; 8, Charleston lessons; 9, Calumet Baking Powder and Rainbo Gardens hour; soloists, Sibyl Heck Linde, contralto; Dorothy Schroeter, accompanist.
WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., organ recital; 6:30, Jack Chapman's orchestra.
WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., Gold Standard ensemble.
WRVA, Richmond, Va. (256.3m-1170kc), 8:15 p. m., Harmony Boys, Pat Binford, Bright Keck, piano and songs; 9, Virginia folk lore, Dr. Douglas Freeman; 9:10, Harmony Boys; 9:30, "American Music Review" yesterday and today; 10:30, Golden Gate syncopators; 11:30, Carry Me Back to Old Virginny.
WTAM, Cleveland, Ohio (389.4m-770kc), 6 p. m., Hollenden hotel orchestra; 8, studio program; 11, Euclid Beach Park orchestra.
WTIC, Hartford, Conn. (475.9m-630kc), 7:30 p. m., Goldman band concert; 9, Grand Opera hour; 10:03-10:30, Capitol theater organ.
WWJ, Detroit, Mich. (352.7m-850kc), 7:30 p. m., Goldman band concert; 9, Detroit News orchestra.

Central Standard Time Stations

KFKX, Hastings, Nebr. (288.3m-1040kc), 9 p. m., musical program, Hotel Clarke studio.
KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., concert; 8, poultry talk.
KFRU, Bristow, Okla. (374.8m-800kc), 6-9 p. m., Oklahoma's Sweetheart of the Air.
KMA, Shenandoah, Iowa (252m-1190kc), 9-11 p. m., Corey and Carl of Corning, 2-piano recital.
KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., Jacquinot Jules, organist; 7, KMOX Radio orchestra; Buster's Saxophone quintet; 8, KMOX Radio orchestra; 9, trio of violin, cello, organ; 9:30, Bamalogue; 10, operatta presentation.
KOIL, Council Bluffs, Iowa (277.6m-1080kc), 7:30 p. m., Inner Circle candy night; 9, Barnyard twins; 11, Mrs. Patrick Gill, soprano; 11, Hotsy Totsy hour.
KPRC, Houston, Texas (296.9m-1010kc), 7:30 p. m., Eddie's syncopators; 8, Dr. Earle J. Shay, tenor; A. M. Martin, pianist; 8:15, dance music.
KWCR, Cedar Rapids, Iowa (278m-1080kc), 9 p. m., musicale.
KWWG, Brownsville, Texas (277.6m-1080kc), 8:30-8:45 p. m., Pelays Quintano, guitar and Canciones mesicanos; 9-9:30, Senorita Carlotta Villereal, soprano; E. C. Toothman, baritone; 12-1 a. m., novelty and jazz; E. C. Toothman, announcer; Beth Sewell and Florine Pierce, accompanists.
WBAP, Fort Worth, Texas (475.9m-630kc), 7:30-8:30 p. m., Gordon L. Mann, saxophone quintet; 9:30-11, Don Stegall and his band.
WCOA, Pensacola, Fla. (222m-1350kc), 7 p. m., concert, 13th coast artillery band; John E. Frenkel, "Breezy Boy from the Gulf," in fun and song; Signor Matteo Viscuso, accordionist; Venetian trio, string melodies.
WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6:15 p. m., St. Paul hotel concert orchestra; Mrs. Clara Olson, soprano; 8, WEAF; 9, Scandinavian ensemble; Victor Brunt, baritone; Paul Oberg, accompanist.
WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., Harry Frank, organist; 8-9, WEAF; 11:45-1 a. m., Charlie Straight's Brunswick Recording orchestra; Ted Meyn, organist; Earl Coleman's orchestra; Johnnie Campbell's orchestra.
WFAA, Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m., Troy Floyd's orchestra; 8:30-9:30, Sears-Roebuck Agricultural Foundation program.
WHB, Kansas City, Mo. (365.6m-820kc), 7-8 p. m., Sweeney Radio orchestra.
WHO, Des Moines, Iowa (526m-570kc), 7:30-8 p. m., Philbreck and his Younker tea-room orchestra; 8-9, Ruth Conway, soprano; Karl Kilinsky, violinist; Winifred Garris, pianist.
WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Pappalardo Brothers' orchestra.
WOAI, San Antonio, Texas (394.5m-760kc), 8:30 p. m., Sunshine Laundry orchestra.
WOAW, Omaha, Nebr. (526m-570kc), 6 p. m., marimba soloist, Hugo G. Heyn; Emil B. Hofmann, pianist; 6:50, orchestra; 9, classical.
WOS, Jefferson City, Mo. (440.9m-680kc), 8 p. m., Daniel Boone Jones, interstate old fiddling champion.
WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., Andres Jackson hotel trio; 8, Leon Frank's advanced piano pupils; 10, Vito and his Radio seven.
WSUI, Iowa City, Iowa (483.6m-620kc), 8 p. m., musical program.

Mountain Standard Time Stations

KFXF, Colorado Springs, Colo. (250m-1200kc), 9 p. m., Daisy Ann Thompson, mezzo-soprano; Anita Osborne, pianist; Cecil Rodgers, tenor.
KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra; 8, Scheuerman's Colorado orchestra; 8:15, "Border Lines," KOA players.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Owen Fallon's Californians; 8-9, semi-classical program; 9-10, program, Walter M. Murphy Motors company, KPO; 10-11, program, Meiklejohn Brothers.
KFWB, Hollywood, Calif. (252m-1190kc), 6-7 p. m., Pontiac Six dinner hour; 7:30-8, program, Dr. Ralph Mitchell and Associated Dentists; 8-9, program, Sealy Mattress company; 9-10, program, American Dye Works; 10-11, Warner Brothers frolic.
KGO, Oakland, Calif. (361.2m-830kc), 8 p. m., educational program; Amphion trio.
KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-9, organ recital; 9-10, vaudeville entertainment, Steigerwald Milk Maids, Punch and Judy; 10-12 midnight, Cole McElroy's dance orchestra.
KJR, Seattle, Wash. (384.4m-780kc), 8:30-10 p. m., Post Intelligencer studio program.
KNX, Hollywood, Calif. (336.9m-890kc), 7-7:30 p. m., studio program; 7:30-8, program, Overell's; 8-9, L. W. Stockwell company program; 9-10, Julian Petroleum corp. program; 10-11, M. Weinstein program with Alexandria hotel dance orchestra; 11-12 midnight, Ambassador hotel dance orchestra.
KTAB, Oakland, Calif. (239.9m-1250kc), 8-10 p. m., program.

Tuesday, July 20

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
9 p. m.	8	7	6	5
WGY (379.5m-790kc), Georgia Minstrel Boys.				
9:30	8:30	7:30	6:30	5:30
WHAS (399.8m-750kc), Carl Zoeller's Melodists.				
10	9	8	7	6
WCCO (416.4m-720kc), Crinoline trio.				
WHB (365.6m-820kc), Mono Motor Oil Twins.				
10:30	9:30	8:30	7:30	6:30
WFAA (475.9m-630kc), Dailey Hembree, tenor.				
WMC (499.7m-600kc), Tennessee Collegians.				
WOAI (394.5m-760kc), Gerbhardt Mexican players.				
11	10	9	8	7
WQJ (447.5m-670kc), First National Violin quartet.				
12 m.	11	10	9	8
KMOX (280.2m-1070kc), "Cherry Blosssoms."				

Tuesday, silent night for: CFCA, CKNC, CNRC, CNRE, CNRM, CNRO, CNRT, CNRW, KFH, KFKX, KFUO, KOA, KOB, KTAB, KWWG, WAHG, WAMD, WBBR, WCAP, WGCP, WHAZ, WOR, WOS, WRVA, WSMB, WSUI, WTAM, WTIC.

Atlantic or Eastern Daylight Saving Time Stations

WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30 p. m., Snellenburg instrumental trio; 8, theater digest; 8:10, Three Brothers; 8:25, Peter Ricci, baritone; 8:45, Higgins and Burke, songs; 9, Kuehnle's artists; 9:30, Robert Fraser, blind gospel singer; 10, recital; 10:15, Eddie Malle's entertainers; 10:30, Cathay Tea Garden orchestra.
WEAF, New York, N. Y. (491.5m-610kc), 4-12 midnight, dinner music; Elsie Harmon, soprano; Rex Beach, author; Gold Dust Twins; Eveready hour; Variety half-hour; Jack Albin and his Hotel Bossert Marine Roof orchestra; Buffalodians.
WEBJ, New York, N. Y. (272.6m-1100kc), 7 p. m., Dan Barnett's orchestra; 7:30, Luna's Knickerbocker grill orchestra; 8:15, Jerry Alexander, Kathryn Connolly; 8:30, Luna's Marine band.
WFI, Philadelphia, Pa. (394.5m-760kc), 7:15 p. m., Sesqui talk; 8, WEAF; 10:30, Albin's Bossert orchestra; 11, Buffalodians dance orchestra.
WGBS, New York, N. Y. (315.6m-950kc), 6:30 p. m., music; 7, Arrowhead Inn concert orchestra; 8, play, auspices Episcopal Actor's guild; 10:30, Arrowhead Inn dance orchestra.
WHAR, Atlantic City, N. J. (275m-1090kc), 8 p. m., Seaside hotel trio.
WHN, New York, N. Y. (361.2m-830kc), 6:30 p. m., Everglades orchestra; 7:30, Will Oakland's chateau, songs; 8, Treasureland Neighbors; 8:30, Prince Piotti, entertainer; 9:30, Loew's 83rd St. theater orchestra; 10, Universal trio; 11:30, Sophie Tucker's Playground orchestra; 12, Charm club orchestra.
WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 7, Uncle Wip's bedtime stories; 8, program, Marine studio; 8:30, Murphy's Minstrels; 9, Chalfonte-Haddon Hall trio; 11, Million Dollar Pier dance orchestra; 11:30, Silver Slipper club dance orchestra.
WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Frank Dole; 7:20, Harry Leonard's Waldorf-Astoria orchestra; 8, One-up Cut-ups; 8:30, Deltah Peart hour, WRC, WGY; 9, Pennsylvania Keystoners; WRC; 10, Cook's Southern Hemisphere Cruise, WRC, WGY; 10:45, George Olsen's Hotel Pennsylvania orchestra.
WLIT, Philadelphia, Pa. (394.5m-760kc), 7:30 p. m., El Patio dance orchestra.
WLWL, New York, N. Y. (288.3m-1040kc), 9:15 p. m., Compinsky brothers; 9:30, Premier male quartet.
WMCA, New York, N. Y. (340.7m-880kc), 7 p. m., Hofbrau Haus entertainers; 9, Paul Whiteman's Picadilly players; 9:30, Columbia Park entertainers; 11, Ernie Golden and his Hotel McAlpin orchestra; 12, McAlpin entertainers.
WNYC, New York, N. Y. (526m-570kc), 6:35 p. m., piano selections; 7:15, songs.
WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Sesquicentennial program.
WOR, Newark, N. J. (405.2m-740kc), 6:15 p. m., Jacques Jacobs Hotel Shelton ensemble; 7, Jacques Jacobs Hotel Shelton ensemble.

Eastern Standard or Central Daylight Saving Time Stations

KYW, Chicago, Ill. (535.4m-560kc), 7 p. m., music hour, Chicago Evening American studio; 8, Congress hotel; 9-10:30, classical; 10:30-12 midnight, Camaral.

Tuesday, July 20

WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., dinner orchestra; 7:30-8, Howard R. Thatcher, organist; 8-9, Geo. Bolek, pianist; Katharine Whitelock, violinist; 9-10, City Park orchestra of Baltimore.

WBBM, Chicago, Ill. (225.3m-1330kc), 5-6 p. m., Eddie Hansen, organist; 8-9:30, Fort Dearborn male choir, Alemite trio, Jack Crawford's Alemite High Pressure orchestra, "Hi and Si," Lee Sims, Kay Ronayne, contralto; 9:30-10, Moss Covered melodies; 10-11:30, Lee Sims, Smith & Ford, Alemite High Pressure Boys, Jack Crawford's Alemite High Pressure orchestra, Howard Osburn's Vanity Fair cafe orchestra, Tom Brown's Sax Sextet, Eunice Hoefer, organist; 11:30-12 midnight, Lee Sims, Howard Osburn's Vanity Fair cafe orchestra, Jack Crawford's Alemite High Pressure orchestra.

WCBD, Zion, Ill. (344.6m-870kc), 9 p. m., Clarinet quartet; R. F. Reid, baritone; Mrs. McKerlie, Mrs. L. J. Reed, duets; Mrs. Lucille Bird, soprano; Alice Clark, contralo; William C. Dunn, euphonium duets; Louise Burgess, reader.

WENR, Chicago, Ill. (265.3m-1130kc), 6-7 p. m., Rauland lyric trio; 8-9, Arthur Dunas popular program; 9-10, Moody Bible Institute evening hour.

WGES, Chicago, Ill. (249.9m-1200kc), 5-7 p. m., Clarence Theders, Joie Walsh, John McFarlane, Al Bernstein, Peggy and Esther, W. Remington Welch, organ; 8-9, Frank Hayes, Tom Wheeler, Marg, Al Bernstein; 11-1 a. m., frolic.

WGHB, Clearwater, Fla. (265.3m-1130kc), 8:30-10 p. m., Capitol theater orchestra.

WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert, Hotel Tuller; 8:30-9, Campers' half hour; 9-10, Skylark dance band; Gerald Marks' orchestra.

WGN, Chicago, Ill. (302.8m-990kc), 6:45-7 p. m., Drake concert ensemble, Blackstone string quintet; 8-9, WEAF; 10-10:10, Sam 'n' Henry; 10:10-10:20, Music Box; 10:20-11, WGN studio ensemble.

WGY, Schenectady, N. Y. (379.5m-790kc), 6:45-7:30 p. m., musical program, WGY studio; 7:30-8, WJZ; 8-9, Georgia Boy minstrel show; 9-9:30, WJZ.

WHAR, Atlantic City, N. J. (275m-1090kc), 8 p. m., Seaside hotel trio.

WJAZ, Chicago, Ill. (329.5m-910kc), 9-12 midnight, William Hayden, tenor; Francis Rosemary Scheib, soprano; Henrietta Nolan, violinist; Chez Pierre Hawaiian quartet; The Quips that Pass in the Night.

WJJD, Mooseheart, Ill. (370.2m-810kc), 4:45-7 p. m., Howard L. Petersson, organist; Palmer House symphony players; Compton's "I see by the newspaper" man; Palmer House Victorians; 7-9, music by children of all ages; solos, bands, etc.; 9-11, Palmer House Victorians; Clarence Harper; 11:30-12:30 a. m., Settin' Up Hour.

WLIB, Chicago, Ill. (302.8m-990kc), 7:15-7:30 p. m., Drake concert ensemble; 7:30-8, WEAF; 9-10, 10:10-11, 11:20-1 a. m., Charles E. Erbstein and Fred Hamm's orchestra.

WLS, Chicago, Ill. (344.6m-870kc), 6:30 p. m., Elsie Mae Look, organist; 6:45, Maurie Sherman's College Inn orchestra; 7, Lullaby time, Elsie and Ralph; 7:15, University of Chicago, readings; 7:30, Al Melgard, organist; 8:10, Maurie Sherman's College Inn orchestra.

WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., organ recital, Johanna Grosse; 7:30, Castle Farm dance music; 8:15, Johanna Grosse; 9, Formica symphony orchestra.

WMAQ, Chicago, Ill. (447.m-670kc), 6 p. m., Chicago theater organ recital; 6:30, Jack Chapman's orchestra; 9, Lewis Blackman, violinist; 9:30, orchestra.

WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon ensemble; Elizabeth Roehlk, cellist; Margaret Conrad, violinist; Preston Graves, pianist; Genevieve Burnham, John Stamford; 9-11, Trianon orchestra, Dell Lampe, Woodlawn theater orchestra, Armin F. Hand, Trianon ensemble, WMBB male trio, Mable Bagley, contralto; Little Joe Warner.

WOK, Chicago, Ill. (217.3m-1380kc), 6-7 p. m., Tip-Top Inn string ensemble concert; 10-1:30 a. m., Tearney's Town club orchestra; Midway Gardens orchestra; Pershing Palace orchestra; Katz and his Kittens' orchestra; Capitol theater program.

WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9 p. m., "Ye olde tyme songe feste," Roy Clark, Sally Simpkins, Jim Forshey, Mae Gamble, Claude Lee, Beth Garrison, Van Wyck's instrumental quartet; 9:30, Regent Grand orchestra; 9:45, Melissa Dvorak, pianist; 10:05, studio program.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Gardens orchestra; Leon Miller, violinist; Milton Shurman, accompanist; Lillian Schoessling, soprano; Clarence Claussen, baritone; 10-2 a. m., First National violin quartet; Bert Davis; O'Flanagan and O'Hara, Two Frenchmen; Nubs Allen.

WRC, Washington, D. C. (468.5m-640kc), 7 p. m., Willard hotel orchestra; 7:30, WJZ; 8, announced; 9, WJZ; 9:30, announced; 10:30, Meyer Davis' Le Paradis band.

WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., dinner hour concert; 8:15, Reo Motor Car company band.

WSAI, Cincinnati, Ohio (325.9m-920kc), 7:30 p. m., musicale; 8, WEAF; 9, musicale.

WSWS, Chicago, Ill. (275m-1090kc), 6 p. m., William Dyckman, bass; Terrace Gardens orchestra; Leola Aikman, songs; John Clark, baritone; Georgia Gray, violinist; 8, orchestra; Jean St. Ann, Christian A. Grimm, Walter Lewis, Eulalia Kober; Delores Diazanado; 10, quintet; Matthews Sisters; Georgia Gray, violinist; 12 midnight, Henri Therrien, Gus Edwards' orchestra.

WTAM, Cleveland, Ohio (389.4m-770kc), 6 p. m., State theater vaudeville; 7, WEAF; 10, studio program; 11, Euclid Beach Park orchestra.

WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7, WEAF.

Central Standard Time Stations

KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., James H. Lary.

KFRU, Bristow, Okla. (374.8m-800kc), 6-9 p. m., Catfish string band.

KLDS, Independence, Mo. (440.9m-680kc), 8 p. m., studio recital, auspices Independence Music club.

KMA, Shenandoah, Iowa (252m-1190kc), 9-11 p. m., May's Mandolin musicians.

KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., Jacquinot Jules, organist; 7, KMOX Radio orchestra; 8, banjo players; 9, Helen Jane Fritz, reader; 9:30, Alma Rotter, J. L. Bischof, Bert Williams of the Air; 10, "Cherry Blossoms."

KOIL, Council Bluffs, Iowa (277.6m-1080kc), 6:03 p. m., John A. Gentleman music hour; 7:30, Lyric serenaders; 11, Hotsy-Totsy hour.

KPRC, Houston, Texas (296.9m-1010kc), 7:30 p. m., dance music; 8:30, artists' concert.

WBAP, Fort Worth, Texas (475.9m-630kc), 7:30-8:30 p. m., Clyde Masengale, baritone; Florence Massengale, pianist; 9:30-11, H. D. Guelick and entertainers.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6:30 p. m., WEAF; 8, Crinoline trio; Ramona Gerhard, pianist; Geraldine Gerhard, violinist; Sylvester Cargill, marimba soloist.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., Billy Adair's orchestra; 11:45-1 a. m., Charlie Straight's orchestra; Billy Adair's orchestra; Johnnie Campbell's orchestra; Earl Coleman's orchestra; Harry Frank, organist.

WFAA, Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m., Honey Boy orchestra; 8:30-9:30, Dailey Hembree, tenor; 11-12, Jimmy Joy's orchestra.

WGBF, Evansville, Ind. (236m-1270kc), 7 p. m., musical program; 8, classical hour.

WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., Carl Zoeller's melodists.

WHB, Kansas City, Mo. (365.6m-820kc), 7-7:30 p. m., organ concert; 8-9:15, Mono Motor Oil twins.

WHO, Des Moines, Iowa (526m-570kc), 7:30-8 p. m., Philbreck and his Younker tea-room orchestra; 8-9, Bankers Life trio.

WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Tennessee Collegians; 11, Britling's cafeteria orchestra.

WOAI, San Antonio, Texas (394.5m-760kc), 8:30 p. m., Gebhardt Mexican players.

WOAW, Omaha, Nebr. (526m-570kc), 6:20 p. m., popular song period, Lillian Madsen; 6:50, orchestra; 9, program, George H. Lee company.

WOC, Davenport, Iowa (483.6m-620kc), 6-8 p. m., WEAF; 8, program, Davenport Industrial commission.

WSM, Nashville, Tenn. (282.8m-1060kc), 8 p. m., C. Roland Flick, violinist; Mrs. C. Roland Flick, pianist; May Bird Hines, soprano.

Mountain Standard Time Stations

KFXF, Colorado Springs, Colo. (250m-1200kc), 7:30 p. m., R. Gratz Cox free voice lesson; 8, Paul Antle's orchestra; 10-11:30, Bertram T. Wheatley, concert organist.

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Virginia ballroom orchestra; 8-9, Screen Artists string quartet; 9-10, Ernest R. Ball, composer and others; 10-11, Packard Radio club.

KFWB, Hollywood, Calif. (252m-1190kc), 7-7:30 p. m., program, Morris & Company; 7:30-8, program, White Auto company; 8-9, Bill Hatch's orchestra; 9-10, program, American Brake Testing Machine company; 10-11, Warner Brothers frolic.

KGO, Oakland, Calif. (361.2m-830kc), 8-9 p. m., Eveready program, Valencia orchestra; Harrison L. Coles, tenor; G. Franklyn Roberts, baritone; 9-10, Pilgrim's hour, Don Lee Cadillac company.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., Skagga United artists; 8-10, educational program; 10-12 midnight, Herman Kenin's dance orchestra; Curt Kramer, pianist.

KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., Weekly visit of Queen Titania, Sandman from Fairyland; 7:40, talk on dogs; 8-10, Tower studio musical program; 10-11, Southern Serenaders' dance orchestra.

KJR, Seattle, Wash. (384.4m-780kc), 8:30-10 p. m., Puget Sound Savings and Loan Ass'n orchestra; 10-11, Nute Motor company studio program.

KNX, Hollywood, Calif. (336.9m-890kc), 7-7:45 p. m., program, Geo. E. Read, Inc.; 8-9, Builder's Finance company program; 9-10, Western Auto Supply company program; 10-12, movie night, Ambassador, Ray West's Cocoanut Grove dance orchestra.

KPSN, Pasadena, Calif. (315.6m-950kc), 8-9 p. m., Star-News ensemble, Henri J. van Praag, director; George Frenger, tenor.

KTAB, Oakland, Calif. (239.9m-1250kc), 8-10 p. m., classical program.

Wednesday, July 21

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific	Program
7:30 p. m.	6:30	5:30	4:30	3:30	WJZ (454.3m-660kc), New York Philharmonic.
9	8	7	6	5	WHB (365.6m-820kc), Mono Motor Oil Twins. WTIC (475.9m-630kc), Unknown Troubadour.
10	9	8	7	6	KPRC (296.9m-1010kc), Richard Shannon, xylophonist. WOS (440.9m-680kc), Marimba solos, Gondoliers.
11	10	9	8	7	WSAI (325.9m-920kc), Congress playing card string quartet.
11:30	10:30	9:30	8:30	7:30	KMOX (280.2m-1070kc), "Ghost of Gerry Bundler," drama.
1 a. m.	12 m.	11	10	9	KGO (361.2m-830kc), International convention, Lions' clubs.

FARMERS' PROGRAMS INDEX

Farmer Dinner Concerts

Daily Except Sunday
CENTRAL TIME

KFNF, 12:15-1:35 p. m.
KMA, 11:30-12:30
KSO, 12:30-1:30 p. m.

Sunday

Atlantic	Eastern	Central	Mountain	Pacific	Program
4:30 p. m.	3:30	2:30	1:30	12:30	WFAA (475.9m-630kc), Sunday hour for farmers.

Monday

Atlantic	Eastern	Central	Mountain	Pacific	Program
12 n.	11	10	9	8	KMMJ (228.9m-1310kc), Poultry talks.
2:30 p. m.	1:30	12:30	11:30	10:30	KMA (241.8m-1240kc), Farm talk, Agricultural aid. WMAQ (447.5m-670kc), Prairie Farmer farm talks.
8:15	7:15	6:15	5:15	4:15	WGY (379.5m-790kc), Agricultural program.
8:45	7:45	6:45	5:45	4:45	WSM (282.8m-1060kc), Poultry talks.
9	8	7	6	5	WOS (440.9m-680kc), Livestock questions and answers.
9:30	8:30	7:30	6:30	5:30	WMC (499.7m-600kc), Farm talk. WOI (270m-1110kc), Horticultural Short Course lecture.
9:45	8:45	7:45	6:45	5:45	WCCO (416.4m-720kc), Farm lecture. KFNF (263m-1140kc), Poultry talk.
10:30	9:30	8:30	7:30	6:30	WFAA (475.9m-630kc), Sears-Roebuck program.
12:05a.m.	11:05	10:05	9:05	8:05	KGO (361.2m-830kc), Agricultural Outlook.

Tuesday

Atlantic	Eastern	Central	Mountain	Pacific	Program
12 n.	11	10	9	8	KMMJ (228.9m-1310kc), Poultry talks.
2:30	1:30	12:30	11:30	10:30	KMA (241.8m-1240kc), Agricultural aid. WMAQ (447.5m-670kc), Prairie Farmer farm talks.
2:45	1:45	12:45	11:45	10:45	WOI (270m-1110kc), "Animal Husbandry."
9:33	8:33	7:33	6:33	5:33	KYW (535.4m-560kc), American Farm Bureau Federation.
10:30	9:30	8:30	7:30	6:30	KOA (322.4m-930kc), Farm question box.

Wednesday

Atlantic	Eastern	Central	Mountain	Pacific	Program
1:45p.m.	12:45	11:45	10:45	9:45	WMAQ (447.5m-670kc), Prairie Farmer farm talks. WOI (270m-1110kc), Poultry husbandry.
2:30	1:30	12:30	11:30	10:30	KMA (241.8m-1240kc), Agricultural aid. WFAA (475.9m-630kc), Sears-Roebuck Agricultural program.
9	8	7	6	5	WOS (440.9m-680kc), Evening market hour, poultry questions and answers.

Thursday

Atlantic	Eastern	Central	Mountain	Pacific	Program
2:15 p. m.	1:15	12:15	11:15	10:15	WOI (270m-1110kc), Farm crops.
2:30	1:30	12:30	11:30	10:30	KMA (241.8m-1240kc), Agricultural aid. WMAQ (447.5m-640kc), Prairie Farmer farm talks.
9:30	8:30	7:30	6:30	5:30	WOI (270m-1110kc), Talk.
9:33	8:33	7:33	6:33	5:33	KYW (535.4m-560kc), American Farm bureau.
10:30	9:30	8:30	7:30	6:30	KOA (322.4m-930kc), Farm question box.

Friday

Atlantic	Eastern	Central	Mountain	Pacific	Program
2:30 p. m.	1:30	12:30	11:30	10:30	KMA (241.8m-1240kc), Agricultural aid. WMAQ (447.5m-670kc), Prairie Farmer farm talks.
2:45	1:45	12:45	11:45	10:45	WOI (270m-1110kc), Agricultural Economics.
9	8	7	6	5	WOS (440.9m-680kc), Evening Market hour. Dairy questions and answers.
9:30	8:30	7:30	6:30	5:30	WOC (483.6m-620kc), Question box.

Saturday

Atlantic	Eastern	Central	Mountain	Pacific	Program
2 p. m.	1	12 n.	11	10	KPRC (296.9m-1010kc), Farmers' educational and musical program.
2:15	1:15	12:15	11:15	10:15	KSO (241.8m-1240kc), Farm talk.
2:30	1:30	12:30	11:30	10:30	KMA (241.8m-1240kc), Agricultural aid.
2:45	1:45	12:45	11:45	10:45	WOI (270.m-1110kc), Soils, questions and answers.
9	8	7	6	5	KDKA (309.1m-970kc), Farm program.

Wednesday, silent night for: CKCA, CKNC, CNRA, CNRC, CNRE, CNRM, CNRR, CNRT, CNRV, KFXF, KGO, KLDS, KMMJ, KOIL, KPSN, KTAB, KWWG, WABQ, WBAL, WBAP, WBBR, WCBD, WFAA, WGBF, WGBS, WGCP, WHAR, WHAZ, WIP, WJAZ, WMC, WOAI, WOAW, WPG, WRC, WRR, WSUI.

Atlantic or Eastern Daylight Saving Time Stations

WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:45 p. m., Eddie Campbell's orchestra; 7:30, recital, N. Snellenburg and company; 8:10, Hotel Pennsylvania orchestra; 8:30, Miller piano period; 9, songs; 9:30, Lewis and Borelli, violin and piano; 9:45, Senator Hassenpfeffer; 9:50, Maurice Patton, tenor; 10:30, Zoehrns and Hirscher, songs; 10:45, Frank Cook, songs; 11, Artie Bittong's Cheer-ups.

WEAF, New York, N. Y. (491.5m-610kc), 4-12 midnight, dinner music; Synagogue service; Shinolas and the 2 in 1 Man; Davis' Saxophone octet; Ipana Troubadours; U. S. Army band, WCAP; "La Fielle du Tombour Major," WEAF Light Opera company; Pelham Heath Inn orchestra.

WEBJ, New York, N. Y. (272.6m-1100kc), 8 p. m., Raymond orchestra; 8:45, John Van Aspe, tenor; 9, Jeanne A'Dair, singing composer; 9:15, Three Collegians; 9:30, Kabatnicks dance orchestra.

WGBS, New York, N. Y. (315.6m-950kc), 6:30 p. m., Fess Williams Savoy orchestra.

WHN, New York, N. Y. (361.2m-830kc), 7:30 p. m., Loew's Lexington theater organ recital; 9, Loew's New York theater orchestra; 10, Roseland dance orchestra; 10:30, Palisades Amusement park orchestra; 11:30, Eddie Edward's Southerners.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 7, Uncle Wip's bedtime stories.

WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Hotel Madison concert orchestra; 8, Imperial Imps; 8:30, Stadium Philharmonic concert, WRC; 10:30, Hotel Astor Roof orchestra.

WLIT, Philadelphia, Pa. (394.5m-760kc), 8 p. m., recital; 8:30, Progress Paint company concert; 10, Arcadia cafe dance orchestra.

WLWL, New York, N. Y. (288.3m-1040kc), 8:30 p. m., Hearthside Harmonizers of Lucerne; 9, to be announced; 9:45, ensemble; 10:15, songs.

WMAK, Buffalo, N. Y. (265.3m-1130kc), 6:30-7:15 p. m., dinner music, Hotel Lafayette orchestra; 7:30-8:15, musical program, Eastman theater orchestra.

WMCA, New York, N. Y. (340.7m-880kc), 6:30 p. m., Ernie Golden and his Hotel McAlpin orchestra; 7:30, Tappen's orchestra; 8, Furness entertainers; 8:30, Meister Homesteaders; 11, Jack Denny's orchestra; 11:30, Club Brighton orchestra; 12, McAlpin entertainers.

WNYC, New York, N. Y. (526m-570kc), 6 p. m., piano selections.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Sylvania dance orchestra; 8, WEAF; 10, Fox theater program; 10:30, Ritz Carlton dance orchestra.

WOR, Newark, N. J. (405.2m-740kc), 9 p. m., Pryor's band; 10, Monterey society orchestra; 10:45, Monterey concert orchestra; 11:15, Ben Bernie Berkeley Carteret grill.

Eastern Standard or Central Daylight Saving Time Stations

KYW, Chicago, Ill. (535.4m-560kc), 6:30 p. m., Joska DeBabary and his orchestra; Bittie-Benson orchestra; 7, American hour; 9-10:30, classical concert, Commonwealth Edison company; 10:30-12 midnight, Congress carnival.

WBBM, Chicago, Ill. (225.3m-1330kc), 5-6 p. m., Eddie Hansen, organist; 9-10, Jack Crawford's Alemite High Pressure orchestra, "Hi and Si," Kay Ronayne, contralto; Frank Porter, tenor; Lee Sims, Smith and Ford, Alemite High Pressure Boys, Florence Sangor, pianist; 12 midnight, The Nutty club.

WENR, Chicago, Ill. (265.3m-1130kc), 6-7 p. m., Rauland lyric trio; 8-10, All-American Pioneers; 12-2 a. m., All-American Pioneers.

WGES, Chicago, Ill. (249.9m-1200kc), 5-7 p. m., tea music; 8-9, Frank Sylvano; Louis Panico, Guyon's Paradise ballroom orchestra; Peggy O'Neill, Joe Morrison; 11-1 a. m., frolic.

WGHB, Clearwater, Fla. (265.3m-1130kc), 8:30-10 p. m., Mr. and Mrs. Charlie A. Waller, old-time songs and duets; Mrs. Lucian Lucas, concert pianist; Capitol theater orchestra.

WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert, Hotel Tuller; 8, children's half hour; 8:30, male quartet; 9-10, WGHP ensemble; 12-1 a. m., Gerald Marks' orchestra.

WGN, Chicago, Ill. (302.8m-990kc), 6:45-7 p. m., Drake concert ensemble; Blackstone string quintet; 8:30-9, musicale; 9-10, musicale; 10-10:10, Sam 'n' Henry; 10:10-10:20, Music Box; 10:20-10:30, studio program; 10:30-12:30 a. m., Pepper party.

WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., WHAM-WGY.

WJAZ, Chicago, Ill. (329.5m-910kc), 9-12 midnight, artist pupils of Alexander Nakutin, Edwin J. Gemmer studios.

WJJD, Mooseheart, Ill. (370.2m-810kc), 4:45-7 p. m., Howard L. Peterson, organist; Palmer House symphony players; Compton's "I see by the newspaper" man; Palmer House Victorians; 7-9, music by children of all ages; solos, bands, etc.; 9-11, Palmer House Victorians; Isabel Defaut, R. V. Thomas, John Norton; 11:30-12:30 a. m., Settin' Up Hour.

WLIB, Chicago, Ill. (302.8m-990kc), 7-7:05 p. m., Million sing; 7:05-7:15, Old-Fashioned Almanack; 7:15-7:30, dinner music; 7:30-7:50, Pattison Coates, baritone; Edward Barry, pianist; 7:50-8, Auld Sandy; 8-8:30, WEAF; 12:30-1 a. m., Ambrose Larsen, organist.

WLS, Chicago, Ill. (344.6m-870kc), 6:30 p. m., Elsie May Look, organist; 6:45, Maurie Sherman's College Inn orchestra; 7, lullaby time, Elsie and Ralph; Rose Sherman, violinist and Marie Ludwig, harpist; 7:30, Al Melgard, organist; 8:10, Maurie Sherman's College Inn orchestra; 8:30, Midwest quartet in WLS Barbershop; 9, WLS trio; 10, medicine show with Kruger and Dillon; 11, Tin Pan alley.

WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., Hotel Gibson orchestra; 7:40, continuation Hotel Gibson orchestra; 8, Tenth Infantry band; 9, program, Summer classes of Cincinnati Conservatory of Music; 10, "The Pink of Programs," Cincinnati Post; 11, Page's Royal Elk syncopators, W. H. Hill, director.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ recital; 6:30, orchestra; 8:30, Whitney trio; 9, WMAQ players.

WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon duo, Eleanor Kaplan, violinist; Veronica Krebs, contralto; Monte Blunn, tenor; Preston Graves, pianist; 9-11, Trianon orchestra, Dell Lampe, Woodlawn theater orchestra, Armin F. Hand, Monte Blunn, tenor; Irene and Albert Patten, Hawaiian guitar duo, Clinton Keithley, Vail and Abbott, Harmony duo.

WOK, Chicago, Ill. (217.3m-1380kc), 6-7 p. m., Tip-Top Inn string ensemble concert; 10-1:30 a. m., Tearney's Town club orchestra; Midway Gardens orchestra; Pershing Palace orchestra; Katz and his Kittens' orchestra; Capitol theater program.

WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9 p. m., Willard Battery hour, "16 fingered Paul," Moke Marrin, Helen Neuman, Jim Forshey, Ruth Glaser, Pearl Knudson, Sid Goldman, Ramona Gardens orchestra, Minnie DuBey Johnson, Marian Cusser, Van Wyck's instrumental quartet, Herman "Bill" Nyhoff; 10:05, Paul Estabrook, studio artists.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Gardens orchestra; Merrie Boyd Mitchell, soprano; James Mitchell, baritone; 10-2 a. m., Joe Warner, character songs; First National violin quartet; Flo and Ray; T. N. Coffey, tenor.

WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., Gold Standard ensemble; Speed-Wagon serenaders.

WRVA, Richmond, Va. (256.3m-1170kc), 8:45 p. m., special musical features; 9:15, musical program; 10, organ recital, Robert J. Beadles, assisting soloists; 11, Carry Me Back to Old Virginny.

WSAI, Cincinnati, Ohio (325.9m-920kc), 6:45 p. m., chimes; 7, WEAF; 7:30, WEAF; 10, Congress Playing Card string quartet.

WSWS, Chicago, Ill. (275m-1090kc), 8 p. m., Terrace Gardens orchestra; John A. McFarland, Peter Grosso, John Clark, baritone; Agnes Q. Carlsen, contralto; 10, Terrace Gardens quintet; Paul Davis, Dave Darcie, Georgia Gray, Jack Goodwin, Kenneth Clark, Hawaiian guitarists; 12 midnight, witching hour, Henri Thierrien, tenor; Gus Edwards' orchestra.

WTAM, Cleveland, Ohio (389.4m-770kc), 6:15 p. m., Hotel Cleveland orhcestra; 8, Public auditorium program.

WTIC, Hartford, Conn. (475.9m-630kc), 7:30 p. m., Capitol theater orchestra; 8, Travelers Jongleurs and "Unknown Troubadour"; 9, Carroll's Palais Royal dance orchestra.

WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7, WEAF; 7:30, Detroit News orchestra; 8, dance program; 9, Detroit News orchestra.

Central Standard Time Stations

CNRW, Winnipeg, Canada (384.4m-780kc), 9:10 p. m., Fort Garry hotel trio; John Garrick, baritone; Kathleen Daly, soprano; Frank Redlich, cellist.

KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., concert, Henry Field Seed company.

KFRU, Bristow, Okla. (374.8m-800kc), 6-9 p. m., Radio trio, Mascho, Cunningham, Mascho.

KMA, Shenandoah, Iowa (252m-1190kc), 9-11 p. m., musical de luxe program.

KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., Jacquinot Jules, organist; 7-8:30, KMOX Radio orchestra; 8:30-9:30, KMOX Radio orchestra; 9:30-11:30, "Ghost of Gerry Bundler," KMOX staff; trumpet flourish.

KPRC, Houston, Texas (296.9m-1010kc), 7:30 p. m., dance music; 8:30, Richard Shannon, xylophonist.

KWCR, Cedar Rapids, Iowa (278m-1080kc), 9 p. m., recital.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6 p. m., WEAF; 7, WEAF; 8, Faith Lutheran church; 9, Bellson banjo quartet; Gertrude Armstrong, soprano.

WCOA, Pensacola, Fla. (222m-1350kc), 7 p. m., Johnnie Klumpker, popular ditties; Mrs. Pauline Whitwell, piano escapade; Max J. Heinberg, violinist; Mrs. W. R. Helie, vocalist; R. C. Dinsmore, cellist; instrumental trio.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., Charlie Straight's Brunswick Recording orchestra; 8-9, popular musicale; 9-10, classical program; 11:45-1 a. m., WDAF's Plantation Grill studio.

WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., concert, auspices Mrs. Fred Wells.

WHB, Kansas Cty, Mo. (365.6m-820kc), 7-8 p. m., Mono Motor Oil twins.

WHO, Des Moines, Iowa (526m-570kc), 6-7 p. m., Bankers Life Little symphony orchestra; Stewart Watson, baritone; 7-8, Philbreck and his Younker tearoom orchestra; 8-9, Kate Miller, whistler; Maude Hughes, accompanist; Ray Harrison, song soloist; Jean Hines, pianist; 9-11, dance program.

WOAI, San Antonio, Texas (394.5m-760kc), 8:30 p. m., Army night, Fort Sam Houston.

WOC, Davenport, Iowa (483.6m-620kc), 6-6:30 p. m., WEAF; 7-7:30, WEAF; 9:30-10:30, Erwin Swindell, organist.

WOS, Jefferson City, Mo. (440.9m-680kc), 8:15 p. m., marimba solos, the Gondoliers.

WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., Andrew Jackson hotel trio; 8, Mrs. Eva Thompson Jones, contralto; Mrs. William Dumm, Jr., soprano; Eleanor Horn, pianist; 10, studio program.

Mountain Standard Time Stations

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra; 8, Scheuerman's Colorado orchestra; 8:15, Rocky Mountain News, Denver Times.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-7:30 p. m., popular program; 8-9, program, California Petroleum Corp.; 9-10, popular program; 10-11, Charles Beauchamp, tenor and others.

KFWB, Hollywood, Calif. (252m-1190kc), 7:30-8 p. m., program, Corduroy Tire Stores, Inc.; 8-9, program, A. V. Shotwell Corp.; 9-10, varied program; 10-11, Warner Brothers frolic.

KGO, Oakland, Calif. (361.2m-830kc), 6-6:55 p. m., Bem's Little symphony orchestra; 8-12 midnight, Lions' clubs; Illinois and Indiana night.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-9, Western Auto Supply company; 9-10, musical entertainment.

KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., Uncle John and the children; 7:40, talk on astronomy; 8-10, Times presentation.

KJR, Seattle, Wash. (389.4m-780kc), 7:30-8:30 p. m., Arcweld Mfg. Co., studio program; 10-11, Olympic Calpet Ref. company, studio program.

KNX, Hollywood, Calif. (336.9m-890kc), 7-8 p. m., studio program; 8-9, Stewart-Warner dealers program; 9-10, program, Motor Transit stages; 10-11, Edgewater club; 11-12, Ambassador hotel dance orchestra.

Thursday, July 22

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific	Program
9 p m.	8	7	6	5	CNRM (410.7m-730kc), Markowski trio.
10	9	8	7	6	WHB (365.6m-820kc), Mono Motor Oil Twins.
10:30	9:30	8:30	7:30	6:30	WFAA (475.9m-630kc), Wednesday Morning Choral club. WRC (468.5m-640kc), WRC players.
11	10	9	8	7	WJJD (370.2m-810kc), Palmer House Victorians. WSWS (275.1m-1090kc), "On the Road to Mandalay," John Clark production.
11:15	10:15	9:15	8:15	7:15	WQJ (447.5m-670kc), Two Frenchmen.
11:20	10:20	9:20	8:20	7:20	KWWG (277.6m-1080kc), George Desha, ukulele soloist.
12 m.	11	10	9	8	WGHP (270.1m-1110kc), Marvelle Payette, soprano.
1 a. m.	12 m.	11	10	9	KFXF (250m-1200kc), Irish Melody Boys.

For stations silent tonight refer to first Thursday's list.

Atlantic or Eastern Daylight Saving Time Stations

CKNC, Toronto, Can. (356.9m-840kc), 8 p. m., Charles E. Bodley and his dance orchestra; Elsie Addison, contralto; Arthur Bailey, tenor.

CNRM, Montreal, Canada (410.7m-730kc), 9 p. m., Markowski trio.

WBBR, New York, N. Y. (272.6m-1100kc), 8 p. m., Watchtower instrumental trio; L. Marion Brown, soprano; Bible lecture.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:30 p. m., Cathay Tea Garden orchestra; 7:30, Snellenburg instrumental trio; 8, Sadler's Plantation Serenaders; 8:30, Clifton's Anglers; 9, Barry O'Moore, tenor; 9:45, Professor Doolittle; 10, recital; 10:15, Frank Worthington, baritone; 10:30, Eddie Campbell's orchestra; 11, Club Cadix revue.

WEAF, New York, N. Y. (491.5m-610kc), 4-12 midnight, dinner music; midweek hymn; Meyer Davis' Park Lane orchestra; Serenaders; Hires Voyagers; Clic-

Thursday, July 22

quot Club Eskimos; Silvertown Cord orchestra; Buffalodians.
WFI, Philadelphia, Pa. (394.5m-760kc), 7:15 p. m., Keystone Auto club feature; 8:15, WEAF.
WGBS, New York, N. Y. (315.6m-950kc), 6:30 p. m., S.S. Acquitania orchestra; 6:45, Royal Arcadia orchestra; 8:30, Oliver Sayler "Footlight and Lamplight"; 9, Old-time minstrels; 10:20, Royal Arcadian orchestra.
WHAR, Atlantic City, N. J. (275m-1090kc), 8 p. m., Seaside hotel trio; 9, studio concert; 11, Follies Bergere dance orchestra.
WHN, New York, N. Y. (361.2m-830kc), 8 p. m., Will Oakland's chateau; 8:30, Loew's Gates theater orchestra; 11:30, Everglades orchestra; 12, Sophie Tucker's Playground.
WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 7, Uncle Wip's bedtime stories; 8, Hotel Ambassador orchestra; 8:30, Million Dollar Pier orchestra; 9, Hotel Ambassador concert orchestra; 10:30, Johnny Hamp's Kentuckians; 11, Hotel Shelburne dance orchestra; 11:30, Silver Slipper club dance orchestra.
WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Hotel Madison dinner concert orchestra; 7:40, Judge, Jr.; First National presentation, "The Amateur Gentleman," WRC; 8:30, WRC; 9:30, Royal Typewriter Salon orchestra, WGY, WRC, WCAD; 10:30, Fireside Boys; 11, WRC.
WLIT, Philadelphia, Pa. (394.5m-760kc), 7:30 p. m., Benjamin Franklin concert orchestra.
WMCA, New York, N. Y. (340.7m-880kc), 7 p. m., Hofbrau Haus entertainers; 8, Roemers Homers; 9:30, Columbia Park entertainers; 11, Ernie Golden and his Hotel McAlpin orchestra; 12, Broadway night.
WNYC, New York, N. Y. (526m-570kc), 6:10 p. m., piano selections.
WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Adelphia Roof Garden orchestra.
WOR, Newark, N. J. (405.2m-740kc), 6:45 p. m., Hotel Bretton hall orchestra.

Eastern Standard or Central Daylight Saving Time Stations

KYW, Chicago, Ill. (535.4m-560kc), 6:30 p. m., dinner concert, Congress hotel; 8-9, "Twenty Minutes of Good Reading"; 9-10:30, classical program; 10:30-12 midnight, Congress Carnival.
WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., dinner orchestra; 7:30-8, mixed quartet; 8-9, trio, John Wilbourn, tenor; 9-10, dance orchestra.
WBBM, Chicago, Ill. (225.3m-1330kc), 4-5 p. m., musical matinee, WBBM staff, other artists; 5-6, Eddie Hansen, organist; 8-9:30, Lee Sims, Kay Ronayne, contralto; "Hi and Si," Eunice Hoefer, organist, Alemite string trio, Jack Crawford's Alemite high pressure orchestra, Howard Osburn's Vanity Fair cafe orchestra; 9:30-10:15, Moss Covered melodies; 10:15-10:30, Izaak Walton hour; 10:30-11:30, First National violin ensemble, Lee Sims, Vic Fredericks, baritone; Maurice Silverman, tenor and WBBM staff; 11:30-12 midnight, Howard Osburn's Vanity Fair cafe orchestra, Jack Crawford's Alemite high pressure orchestra.
WCBD, Zion, Ill. (344.6m-870kc), 9 p. m., mixed quartet, Zion orchestra; Mrs. J. D. Thomas, soprano; Mrs. P. M. LaRose, contralto; Mark Whiteside, baritone; duets; flute duets.
WENR, Chicago, Ill. (265.3m-1130kc), 6-7 p. m., Rauland lyric trio; 8-10, All-American Pioneers.
WGES, Chicago, Ill. (249.9m-1200kc), 8-9 p. m., Krueger and Dillon; Frank Sylvano, Louis Panico; Guyon's Paradise Ballroom orchestra; Al Bernstein; Joe Morrison; 11-12 midnight, frolic; 12-1 a. m., Panico panic.
WGHB, Clearwater, Fla. (265.3m-1130kc), 8:30-10 p. m., Capitol theater orchestra.
WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert, Hotel Tuller; 10-11, WGHP Frolickers; 11-12 midnight, Skylark dance band; Marvelle Payette, soprano; 12-1 a. m., Gerald Marks' orchestra.
WGN, Chicago, Ill. (302.8m-990kc), 6:45-7 p. m., request program; 8-9, WEAF; 9-10, WEAF; 10-10:10, Sam 'n' Henry; 10:10-10:20, Music Box;; 10:20-10:30, Great Moments from Grand Opera; 10:30-11, WGN studio ensemble.
WGY, Schenectady, N. Y. (379.5m-790kc), 6:45-7:30 p. m., musical program; 7:30-8:30, WRC; 8:30-9:30, WJZ; 9:30-10:30, musical program, WGY studio; 10:30-11:30, Stephen E. Boisclair, organist.
WHAR, Atlantic City, N. J. (275m-1090kc), 7:30 p. m., announced; 8, Seaside hotel trio; 9, studio concert; 11, Follies Bergere dance orchestra; Jimmy Carr, Doctor of Melody.
WJAZ, Chicago, Ill. (329.5m-910kc), 9-12 midnight, classical program, artists of reputation.
WJJD, Mooseheart, Ill. (370.2m-810kc), 4:45-7 p. m., Howard L. Peterson, organist; Palmer House symphony players; Compton's "I see by the newspaper" man; Palmer House Victorians; 7-9, music by children of all ages; solos, bands, etc.; 9-11, Palmer House Victorians, WJJD quartet; 11:30-12:30 a. m., Knights of the Burning Candle.
WLIB, Chicago, Ill. (302.8m-990kc), 7-7:05 p. m., Million sing; 7:05-7:15, Old-Fashioned Almanack; 7:15-8, Drake concert ensemble; Blackstone string quintet; 11-11:20, Correll and Gosden; 11:20-1 a. m., Liberty studio ensemble; Ambrose Larsen, organist; Bobby Meeker's Drake hotel dance orchestra; Fred Hamm's orchestra.
WLS, Chicago, Ill. (344.6m-870kc), 6:30 p. m., Elsie Mae Look, organist; 6:45, Maurie Sherman's College Inn orchestra; 7, lullaby time, Elsie and Ralph; 7:15, Rose Sherman, violinist; Marie Ludwig, harpist; 7:30, Al Melgard, organist; 8:10, Maurie Sherman's College Inn orchestra.
WLW, Cincinnati, Ohio (422.3m-710kc), 6:15 p. m., Norrine Gibbons, Priscilla Holbrook; 7, Hotel Gibson orchestra; 8, Erwin's Miamians; 9, Caroli singers; Cincinnati zither players; 10, Henry Theis' Castle Farmers; 10:15, Al Kirschner, Pep Golden; 10:40, Irene Downing and Tommy Reynolds; 11, Tony Lazarro's Imperial serenaders; 11:15, The Latonia Melody Boys; 11:30, Imperial serenaders; 12:15, Crosley Sky Terriers.
WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ recital; 6:30, Jack Chapman's orchestra; 8:30, Whitney trio; 9, Jennie F. W. Johnson, contralto; 9:30, orchestra.
WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon ensemble, Elizabeth Reohlk, cellist; Margaret Conrad, violinist; Preston Graves, pianist; Novarro Sisters in program of Spanish music; 9-11, Trianon orchestra, Dell Lampe, Woodlawn theater orchestra, Armin F. Hand, Trianon ensemble; Joe Parson, baritone; Bob Smith, vocal and ukulele specialties; Jack Brewton, musical saw; John Stamford, Bob Bennett in popular program.
WOK, Chicago, Ill. (217.3m-1380kc), 6-7 p. m., Tip-Top Inn string ensemble concert; 10-1:30 a. m., Tearney's Town club orchestra; Midway Garden orchestra; Pershing Palace orchestra; Katz and his Kittens' orchestra; Capitol theater program.
WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Gardens orchestra; Sheppard Levine, tenor; Lillian Schoessling, soprano; 10-2 a. m., Jerry Sullivan; Harry Geise; Lew Butler; Bert Davis.
WRC, Washington, D. C. (468.5m-640kc), 7 p. m., Radio movie presentation, WJZ; 7:30, U. S. Marine band, WJZ, WGY; 9, WJZ; 9:30, WRC players; 10:30, WJZ.
WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., Gold Standard ensemble; Speed-Wagon serenaders; 8:15, WREO concert orchestra.
WRVA, Richmond, Va. (256.3m-1170kc), 9 p. m., "Ye old tyme singers and familiar songs"; 10, police string band; 11, Carry Me Back to Old Virginny.
WSAI, Cincinnati, Ohio (325.9m-920kc), 7:30 p. m., WEAF.
WSWS, Chicago, Ill. (275m-1090kc), 7 p. m., Terrace Gardens orchestra; Ilona Kinz, Hungarian singer; Eulalia Kober, pianist; Walter Lewis, baritone; Peter Grosso, tenor; 10, "On the Road to Mandalay," Terrace Gardens quintet; 11, frolic; 12 midnight, Witching hour.
WTAM, Cleveland, Ohio (389.4m-770kc), 6 p. m., Hollenden hotel orchestra; 7:15, WEAF; 8, WEAF; 9, studio program; 11, Jack Horwitz Collegian serenaders.
WTIC, Hartford, Conn. (475.9m-630kc), 7 p. m., "Scottie" Millar; 7:30, Ronald McCutcheon, pianist; 7:45, Dora Mitnick, reader; 8, For-an-to Melody Makers and Manchester male quartet; 9, Emil Heimberger's Hotel Bond dance orchestra.
WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7, WEAF.

Central Standard Time Stations

CNRW, Winnipeg, Can. (384.4m-780kc), 9:10 p. m., Fort Garry hotel trio; Frank Redlich, cellist; Linton R. Kent, tenor; W. N. Bruce; Emile Mignacca, violinist.
KFKX, Hastings, Nebr. (288.3m-1040kc), 9 p. m., musical program, Lincoln, Nebr.
KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., open.
KFRU, Bristow, Okla. (374.8m-800kc), 6-9 p. m., surprise program.
KLDS, Independence, Mo. (440.9m-680kc), 8 p. m., KLDS male quartet.
KOIL, Council Bluffs, Iowa (277.6m-1080kc), 6:03 p. m., KMA program; 7, G. H. Nelson Paint company, program; 8, Mrs. G. R. Harrison, director; 11, Hotsy-Totsy hour.
KPRC, Houston, Texas (296.9m-1010kc), 7:30 p. m., dance music; 9, Edna Adams, "the sweetheart of the air"; Mrs. E. E. Sawyer, classical pianist.
KWCR, Cedar Rapids, Iowa (278m-1080kc), 12 midnight, frolics.
KWWG, Brownsville, Texas (277.6m-1080kc), 8:30-9 p. m., Mrs. Reis, contralto; T. C. Barber, bass; 9-9:20, Beth Sewell, pianist; Mrs. F. Smidt, contralto; 9:20-9:40, George Desha, ukulele and Hawaiian songs; 12-1 a. m., novelty and jazz; E. C. Toothman, announcer, Beth Sewell, Florine Pierce, accompanists.
WBAP, Fort Worth, Texas (475.9m-630kc), 7:30-8:30 p. m., dance program, Texas hotel; 9:30-11, program, Sam S. Losh; 11-12 midnight, Mystery duo.
WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 7 p. m., WEAF.
WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., Billy Adair's orchestra; 11:45-1 a. m., frolic.

Friday, July 23

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
8:15 p. m.	7:15	6:15	5:15	4:15

WGY (379.5m-790kc), "Stung," comedy, WGY players.
WTIC (475.9m-630kc), Fiddle and Bee.

9	8	7	6	5

WHB (365.6m-820kc), Mono Motor Oil Twins.

9:30	8:30	7:30	6:30	5:30

WCOA (222m-1350kc), Pensacola Philharmonic orchestra.
WHAS (399.8m-750kc), "Pirates of Penzance," ensemble.
WMAK (265.3m-1130kc), Armbruster trio.

9:35	8:35	7:35	6:35	5:35

WRVA (256.3m-1170kc), Stutz string band.

Madame Schumann-Heink recently discovered a talented young singer among the Russian refugees to this country. Olga Steffani, this protege of the great singer, has a beautiful contralto voice which may be heard by tuning in for KFI, Los Angeles.

WFAA, Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m., Jimmy Joy's orchestra; 8:30-9:30, Wednesday Morning choral club.
WHAS, Louisville, Ky (399.8m-750kc), 7:30-9 p. m., concert, auspices Central State hospital orchestra, Margaret Leist, director.
WHB, Kansas City, Mo. (365.6m-820kc), 7-7:30 p. m., dinner hour organ concert; 8-9:30, Mono Motor Oil Twins.
WHO, Des Moines, Iowa (526m-570kc), 7:30-8 p. m., Philbreck and his Younker tea-room orchestra; 8-9, Bankers Life trio.
WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., George Luttrell.
WOAI, San Antonio, Texas (394.5m-760kc), 8:30 p. m., Mistletoe Melody Maids.
WOAW, Omaha, Nebr. (526m-570kc), 6 p. m., Elks organ; 6:50, orchestra; 9, Sunshine program.
WOC, Davenport, Iowa (483.6m-620kc), 6-6:30 p. m., WEAF; 9-9:30, Moline Plowboys.

Mountain Standard Time Stations

CNRC, Calgary, Canada (435.8m-688kc), 9 p. m., Little symphony orchestra; Gladys Webb Foster, violinist.
KFXF, Colorado Springs, Colo. (250m-1200kc), 9 p. m., Irish Melody Boys with Ernest Magee, entertainer.
KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Duncan Sisters from Topsy and Eva; 8-9, Robert Hurd, tenor and others; 9-10, semi-classical hour; 10-11, Patrick-Marsh dance orchestra, Betty Patrick, soloist.
KFWB, Hollywood, Calif. (252m-1190kc), 7-7:30 p. m., program, O'Neal and Son; 8-9, program, McGavin Brothers bakeries; 9-10, studio program; 10-11, Warner Brothers frolic.
KGO, Oakland, Calif. (361.2m-830kc), 8-9 p. m., vacation program, Duke Kamoku's Royal Hawaiians; Fishin' Jim Pike; WOW male trio; 9-12 midnight, dance music, Paradise Gardens.
KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 7:45-8, lecture; 9-10, vaudeville; 10-12, Spanish ballroom.
KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., Uncle John and the children; 7:40, talk on health; 8-10, Zoellner string quartet; Harriett Andrews, soprano.
KJR, Seattle, Wash. (384.4m-780kc), 8:30-10 p. m., Puget Sound Savings & Loan Ass'n studio program; 10-10:30, Benjamin Franklin Electric company, musical program; 10:30-12 midnight, "Keep Joy Radiating Order of Bats."
KNX, Hollywood, Calif. (336.9m-890kc), 7-8 p. m., program, Wright, Alexander and Greeley; 8-9, Willys-Overland dealers' program; 9-10, Balboa Beach Nuts; 10-11, Edgewater club; 11-12 midnight, Ambassador hotel dance orchestra.
KPSN, Pasadena, Calif. (315.6m-950kc), 8-9 p. m., musical program, auspices Pasadena Chamber of Commerce.
KTAB, Oakland, Calif. (239.9m-1250kc), 8-10 p. m., program.

10:30	9:30	8:30	7:30	6:30

WOC (483.6m-620kc), Juvenile musical program.

12 m.	11	10	9	8

WSM (282.8m-1060kc), Barn dance.

For stations silent tonight refer to first Friday's list.

Atlantic or Eastern Daylight Saving Time Stations

CNRA, Moncton, Canada (322.4m-930kc), 9 p. m., CNRA orchestra; Mrs. George B. Gay, soprano.
WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:45 p. m., Hotel Pennsylvania orchestra; 7:30, instrumental trio; 8, Jackson's Whippets; 8:30, The Singing Groundhog; 8:45, Dwight Strickland, "poetician"; 9, Regina Crooners; 9:15, Nasco Jolly Four; 9:45, Jack and Jill, songs; 10, recital; 10:15, songs; 10:30, Myers' Musical Architects.
WEAF, New York, N. Y. (491.5m-610kc), 4-12 midnight, tea dance music; dinner music; Aristocrats, Dickens' Corner; Wandering Minstrels; La France orchestra; Whittall Anglo-Persians; May Breen, banjoists; Peter De Rose, pianist; Jack Albin and his Hotel Bossert Marine Roof orchestra.
WEBJ, New York, N. Y. (272.6m-1100kc), 7 p. m., Blenheim theater ensemble; 7:30, Luna's Knickerbocker grill orchestra; 8, Billy Day, Whispering serenader; 8:15, William McCarthy, songs; 8:30, Luna's Marine band.
WFI, Philadelphia, Pa. (394.5m-760kc), 3 p. m., recital, studio Sesquicentennial exposition.
WHAR, Atlantic City, N. J. (275m-1090kc), 8 p. m., Seaside hotel trio.
WHN, New York, N. Y. (361.2m-830kc), 7 p. m., Country club orchestra; 7:30, Treasureland Neighbors; 9:30, Palisades Amusement Park orchestra; 10, Roseland dance orchestra; 10:30, Strand roof orchestra; 11:30, Club Alabam orchestra; 12, Silver Slipper orchestra.
WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 7, Uncle Wip's bedtime stories.
WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Geo. Olsen's Hotel Pennsylvania Roof orchestra; 8, Sanford Florida Sunshine hour; 9, Sundial Shoe Serenaders, Bonnie Laddies; 10, Westminster mixed quartet; 10:30, Harold Stern's Hotel Belleclaire Roof orchestra.
WLIT, Philadelphia, Pa. (394.5m-760kc), 8 p. m., recital; 8:15, Pioneer Storage Battery company entertainers; 9, Schickerling artists; 10, Morning Glory club concert; 10:30, Rufus and Rastus; 11, Freshman Masterpiece hour.
WMAK, Buffalo, N. Y. (265.3m-1130kc), 6:30-7:15 p. m., dinner music, Hotel Lafayette orchestra; 7:30-8:15, musical, Armbruster trio; 10:50-11:30, University Terrace serenaders.
WMCA, New York, N. Y. (340.7m-880kc), 6:30 p. m., Ernie Golden and his Hotel McAlpin orchestra; 8:45, Broadway association; 9, Paul Whitman's Picadilly players; 9:30, Klein's Serenading Shoemakers; 10, Norman Pearce, readings; 11, Jack Denny's orchestra; 11:30, Club Brighton orchestra; 12, McAlpin entertainers.
WOO, Philadelphia, Pa. (508.2m-590kc), 8 p. m., WOO orchestra; 9, WEAF; 9:35, Fox theater program; 10, WEAF; 11, Sylvania dance orchestra.
WOR, Newark, N. J. (405.2m-740kc), 6:15 p. m., Jacques Jacobs Hotel Shelton ensemble; 6:45, Jacques Jacobs Hotel Shelton ensemble.
WPNC, New York, N. Y. (526m-570kc), 7 p. m., piano selections.

Eastern Standard or Central Daylight Saving Time Stations

KYW, Chicago, Ill. (535.4m-560kc), 8 p. m., Federal Master artists; 10:30-12 midnight, Congress carnival.
WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., dinner orchestra; 7:30-8, Howard R. Thatcher, organist; 8-9, instrumental and vocal soloists; 9-10, municipal band of Baltimore.
WBBM, Chicago, Ill. (225.3m-1330kc), 5-6 p. m., Eddie Hansen, organist; 8-9, Safety play period; 9-10, Glee club harmony four, Kay Ronayne, contralto; Lee Sims, "Hi and Si," Jack Crawford's Alemite high pressure orchestra, Howard Osburn's Vanity Fair cafe orchestra, Eunice Hoefer, organist.
WENR, Chicago, Ill. (265.3m-1130kc), 6-7 p. m., Rauland lyric trio; 8-9, Moody Bible Institute evening hour; 9-10, Arthur Dunas popular program; 12-2 a. m., All-American Pioneers.
WGES, Chicago, Ill. (249.9m-1200kc), 8-9 p. m., organ, Esther Richards, Peggy O'Neill; 11-1 a. m., Billy Fagan, Lew Butler, Pat Ryan, Josie Scott, Joe Morrison, Al Bernstein.
WGHB, Clearwater, Fla. (265.3m-1130kc), 8:30-10 p. m., Frederick Hubbard, organist.
WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert; Hotel Tuller; 10-11, WGHP entertainers; 11-12 midnight, Skylark dance band; 12-1 a. m., Gerald Marks' orchestra.
WGN, Chicago, Ill. (302.8m-990kc), 6:45-7 p. m., request program, Drake concert ensemble, Blackstone string quintet; 7:15-8, Paul Ash's orchestra; 8-8:30, musical program; 8:30-9, Curfew Capers; 9-9:30, WEAF; 9:30-10, Phantom violin; 10-10:10, Sam 'n' Henry; 10:10-10:22, Music Box; 10:22-11, WGN studio ensemble.
WGY, Schenectady, N. Y. (379.5m-790kc), 6:35-7:15 p. m., WGY orchestra; 7:15, "Stung," comedy, WGY players; 9:30, WGY orchestra, play, Virginia Sneed, Gertrude Keefe, readers.
WHAR, Atlantic City, N. J. (275m-1090kc), 8 p. m., Seaside hotel trio.
WJAZ, Chicago, Ill. (329.5m-910kc), 12 midnight, The Quips that Pass in the Night; Walter Levis, baritone; Eulalie Kober, pianist; The Street Urchin trio.
WJJD, Mooseheart, Ill. (370.2m-810kc), 4:45-7 p. m., Howard L. Peterson, organist; Palmer House symphony players; Compton's "I see by the newspaper" man; Palmer House Victorians; 7-9, music by children of all ages; solos, band, etc.; 9-11, Palmer House Victorians; Jean St. Anne; 11:30-12:30 a. m., Settin' Up hour; Palmer House studio.
WLIB, Chicago, Ill. (302.8m-990kc), 11-11:20 p. m., Correll and Gosden; 11:20-1 a. m., Liberty studio ensemble; Drake hotel dance orchestra; Fred Hamm's orchestra.
WLS, Chicago, Ill. (344.6m-870kc), 6:30 p. m., Elsie Mae Look, organist; 6:45, Maurie Sherman's College Inn orchestra; 7, Lullaby time, Elsie and Ralph; 7:15, Rose Sherman, violinist; Marie Ludwig, harpist; 7:30, Al Melgard, organist; 8:10, Maurie Sherman's College Inn orchestra; 8:30, Grace Wilson, contralto; 10, popular music program; 11, Ralph Emerson, organist.
WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:25, Wide Awake club program; 8, George Simons, tenor; 8:15, Esther Dale, soprano.
WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon duo, WMBB male trio, Vella Cook, contralto; N. G. Harte, baritone; E. S. McCready, tenor; Old Home Songs program; 9-11, Trianon orchestra; Dell Lampe, Woodlawn theater orchestra; WMBB male trio; Cecil and Esther Ward, harmonica guitar duo; Krueger and Dillon, "The Bano Barons," John Stanford, Bob Bennett.
WOK, Chicago, Ill. (217.3m-1380kc), 6-7 p. m., Tip-Top Inn string ensemble concert; 10-1:30 a. m., Tearney's Town club orchestra; Midway Gardens orchestra; Pershing Palace orchestra; Katz and his Kittens' orchestra; Capitol theater program.
WOOD, Grand Rapids, Mich. (241.8m-1240kc), 10:10 p. m., Ramona Radio revelry, Ramona Gardens orchestra.
WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Gardens orchestra; Peter Grosso, tenor; Lauralice duo; Maraldean Borresen, baritone; 10-2 a. m., Rainbo Gardens orchestra; Flo and Ray; Romo Vincent; Muriel Olsen, contralto; Johnny Poat, baritone; Harry Brooker, baritone.
WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., Gold Standard ensemble; Speed-Wagon serenaders.
WRVA, Richmond, Va. (256.3m-1170kc), 7 p. m., Hotel Richmond orchestra; 8:10, Stutz string orchestra; 8:35, Stutz string band; 9:15, Singing troubadours; 10, Golden Gate syncopators; 11, Carry Me Back to Old Virginny.
WSWS, Chicago, Ill. (275m-1090kc), 8 p. m., quintet; Georgia Gray; Jean Frances, tenor; 10, Terrace Gardens quintet; Ruth Boutay, blues; Sid Pierson, Harry Davis; Art Billquist; 12 midnight, Witching hour.
WTAM, Cleveland, Ohio (389.4m-770kc), 6:30 p. m., Hotel Cleveland orchestra; 8, Euclid Beach Park orchestra; 9, WEAF; 9:30, Hawaiian program; 11, Euclid Beach Park orchestra.
WTIC, Hartford, Conn. (475.9m-630kc), 7 p. m., Laura C. Gaudet, pianist; 7:15, "Fiddle an' Bee"; 7:30, Colt Park Municipal Dance orchestra; 8:30, Al Laubscher and family; 9:15, Mildred Abbey Johnson, songs; 9:30, WTIC's mail bag; 9:45, "The Debutantes" period.
WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 8, Detroit News orchestra; 9, WEAF.

Central Standard Time Stations

KFKX, Hastings, Nebr. (288.3m-1040kc), 7 p. m., songs, "The Lazy Farmer"; 9, musical program, auspices Hastings College conservatory.
KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., Sunday school lesson; 7:30, Lafe Corbin.
KFRU, Bristow, Okla. (374.8m-800kc), 6-9 p. m., Josephine Storey-White.
KMA, Shenandoah, Iowa (252m-1190kc), 9-11 p. m., mixed musical program.
KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., Jacquinot Jules, organist; 7, KMOX Radio orchestra; Buster's Canaries; 8, KMOX Radio orchestra; 9, orchestra; Eva Sirwell, Bill Snyder; 9:30, Bamalogue; 10, music lover's hour.
KOIL, Council Bluffs, Iowa (277.6m-1080kc), 7:30 p. m., Clara Kurtz and her Chocolate cake-eater; 8:30, auspice program, Drescher Brothers, Inc.; Jack and Jill; 11, Hotsy-Totsy hour.
KWCR, Cedar Rapids, Iowa (278m-1080kc), 9 p. m., studio program.
WBAP, Fort Worth, Texas (475.9m-630kc), 7:30-8:30 p. m., Panther Hawaiian trio; 9:30-11, Mineral Wells program.
WCOA, Pensacola, Fla. (222m-1350kc), 7 p. m., West Floridian dance orchestra; Negro spirituals, Mt. Olive jubilee singers; Pensacola Philharmonic orchestra.
WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6:15 p. m., Peyer's Oxford theater orchestra; 8, WEAF; 8:30, Sumpmann trio; Mabel Pelletier, contralto; 10:05, Nankin cafe orchestra; Albu Sisters; George Donovan, baritone.
WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., Harry Frank, organist; 8-8:30, WEAF; 8:30-9:30, varied musicale; 11:45-1 a. m., frolic.
WFAA, Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m., Harry Sory's entertainers; 8:30-9:30, Southland Life Insurance company.
WGBF, Evansville, Ind. (236m-1270kc), 7 p. m., Lincoln-Ford orchestra; 8, varied program; 11, D-X club.
WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., "Pirates of Penzance," operatic ensemble, Greater Louisville savings and building association.
WHB, Kansas City, Mo. (365.6m-820kc), 7-8 p. m., Sweeney Radio orchestra; Mono Motor Oil Twins.
WHO, Des Moines, Iowa (526m-570kc), 7:30-8 p. m., Philbreck and his Younker tea-room orchestra; 8-9, John Alberson, tenor; Caroline Riddle, pianist; Dorothy Dinsmore, violinist; 11-12, Philbreck and his Younker tea-room orchestra.
WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Hotel Gayoso orchestra; 11, Harry Nichols, oranist.
WOAI, San Antonio, Texas (394.5m-760kc), 8:30 p. m., San Antonio College of Music.
WOAW, Omaha, Nebr. (526m-570kc), 6 p. m., music; 6:30, Red Feather program; 9, program, Hannan-Van Brunt company.
WOC, Davenport, Iowa (483.6m-620kc), 8-8:30 p. m., WEAF; 8:30-9:30, Juvenile musical program.
WOS, Jefferson City, Mo. (440.9m-680kc), 8:20 p. m., musical program, Martin Brothers Piano company.
WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., Andres Jackson hotel trio; 8, Mrs. Thomas Pinkerton, pianist; 10, studio program; 10:30, F. Arthur Henkel, organist.

Friday, July 23

Mountain Standard Time Stations

KFXF, Colorado Springs, Colo. (250m-1200kc), 8 p. m., Memory Lane orchestra.
KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra; 8, open-air concert, Denver municipal band.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-7:30 p. m., Leslie Adams, whistler; 7:30-8, Felipe Delgado's Media hora Espanola; 8-9, Aeolian organ; 9-10, Harry Decker's Hawaiians; 10-11, Packard ballad hour.
KFWB, Hollywood, Calif. (252m-1190kc), 7:30-8 p. m., Paralta studios program; 8-9, program, John Wright, The Right Tailor; 9-10, studio program; 10-11, Warner Brothers frolic.
KGO, Oakland, Calif. (361.2m-830kc), 6-6:55 p. m., Bem's Little symphony orchestra; 8-12 midnight, Lions' club.
KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-9, instrumental music; 9-10:30, concert; 10:30-12 midnight, Hoot Owls.
KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., Uncle John and the children; 8-10, Times de luxe program; 10-11, Clement's Super-six orchestra.
KJR, Seattle, Wash. (384.4m-780kc), 8:30-10 p. m., Post Intelligencer studio program; 10-11, Nute Motor company studio program.
KNX, Hollywood, Calif. (336.9m-890kc), 7-8 p. m., Loftus Land company, Bad Eggs; 8-9, Jell-X-Cell program; 9-10, Order of Optimistic Donuts; 10-11, Hollywood American Legion fights; 11-12 a. m., Ambassador hotel dance orchestra.
KTAB, Oakland, Calif. (239.9m-1250kc), 8-10 p. m., program.

Saturday, July 24

Headliners Today

Atlantic Eastern Central Mountain Pacific
7:25 p. m. 6:25 5:25 4:25 3:25
WJZ (454.3m-660kc), WRC (468.5m-640kc), WGY (379.5m-790kc), New York Philharmonic.
8:30 7:30 6:30 5:30 4:30
WEAF (491.5m-610kc), WGR (319m-940kc), WWJ (352.7m-870kc), Goldman band concert.
9 8 7 6 5
CFCA (356.9m-840kc), CFCA's Summer orchestra.
9:30 8:30 7:30 6:30 5:30
WLW (422.3m-710kc), Old Fiddlers revival.
10:15 9:15 8:15 7:15 6:15
WCCO (416.4m-720kc), Flor's Little German band.
11 10 9 8 7
WOC (483.6m-620kc), Old Fiddlers program.

For stations silent tonight refer to first Saturday's list.

Atlantic or Eastern Daylight Saving Time Stations

CFCA, Toronto, Can. (356.9m-840kc), 9 p. m., CFCA's summer orchestra.
WBBR, New York, N. Y. (272.6m-1100kc), 8 p. m., Dr. Hans Haag, violinist; Fred Twaroschk, tenor.
WEAF, New York, N. Y. (491.5m-610kc), 4-12 midnight, Elmer Grosso and his orchestra; musical comedy hits, WEAF Musical Comedy Troup; Goldman band concert; Irish and Scotch program; Waino Kauppi, cornetist; Ben Bernie's orchestra; Rolfe's Palais D'Or orchestra.
WGBS, New York, N. Y. (315.6m-950kc), 7:45 p. m., Arcadia orchestra; 10:30, Arrowhead Inn dance orchestra.
WHAR, Atlantic City, N. J. (275m-1090kc), 7:30 p. m., lecture period; 8, Seaside hotel trio.
WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 8, sports corner; 8:15, Hotel Ambassador orchestra; 9, Hotel Traymore orchestra; 9:45, Emmet Welch's Million Dollar Pier Minstrels; 10:15, Garden Pier dance orchestra; 10:45, Ted Weems' orchestra; 11:30, Hotel Shelburne dance orchestra.
WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Waldorf-Astoria Roof orchestra; 8:25, Stadium Philharmonic concert, WRC; 10:30, Hotel Astor Roof orchestra.
WMAK, Buffalo, N. Y. (265.3m-1130kc), 6:30-7:15 p. m., dinner music, Hotel Onandaga orchestra; 7:30-8:30, musical program, Shea Buffalo theater; 8:30-11:30, musical.
WMCA, New York, N. Y. (340.7m-880kc), 7:15 p. m., Tappen's orchestra; 8:15, musical program; 11:15, Ernie Golden and his Hotel McAlpin orchestra; 12, McAlpin entertainers.
WNYC, New York, N. Y. (526m-570kc), 7 p. m., piano selections; 7:15, songs.
WOR, Newark, N. J. (405.2m-740kc), 8:30 p. m., Pryor's band; 9:30, Casino orchestra; 9:45, Berkeley Carteret concert orchestra; 10:15, brass quartet; 10:30, Monterey society orchestra; 11:15, Ben Bernie Berkeley Carteret grill.

Eastern Standard or Central Daylight Saving Time Stations

KYW, Chicago, Ill. (535.4m-560kc), 7 p. m., music hour; 8, KYW's Congress hotel studio; 9-10:30, classical concert; 10:30-12 midnight, Congress carnival; Benson orchestra.
WBBM, Chicago, Ill. (225.3m-1330kc), 5-6 p. m.; Eddie Hansen, organist; 8-9:30, Pullman Porters' quartet, Lee Sims, Eunice Hoefer, organist; "Hi and Si," Alemite string trio, Fred L. Jeske, baritone; Kay Ronayne, contralto; 9:30-10, Moss Covered melodies; 10-11:30, Fred L. Jeske, baritone; Florence Sangor, pianist; Smith and Ford, Alemite high pressure orchestra; Howard Osburn's Vanity Fair cafe orchestra, Eunice Hoefer, organist; Lee Sims; 11:30-2 a. m., Pullman Porters' quartet, Jack Crawford's Alemite high pressure orchestra, Howard Osburn's Vanity Fair cafe orchestra, WBBM staff artists.
WENR, Chicago, Ill. (265.3m-1130kc), 6-7 p. m., Rauland lyric trio; 8-9, Arthur Dunas popular program; 9-10, All-American Pioneers; 12-2 a. m., frolic.
WGES, Chicago, Ill. (249.9m-1200kc), 8-9 p. m., Esther Richards, Joe Morrison, Frank Sylvano, Louis Panico, Guyon's Paradise ballroom orchestra; 11-1 a. m., frolic.
WGN, Chicago, Ill. (302.8m-990kc), 6:35-7 p. m., dinner music, Drake concert ensemble; Blackstone string quintet; 8:10-8:20, Drake concert ensemble; 8:20-8:30, Correll and Gosden; 8:30-9, Fred Hamm and his orchestra; 9-9:30, light opera period; 9:30-10, musical program; 10-10:10, Sam 'n' Henry; 10:10-10:22, Music Box; 10:22-11, WGN studio ensemble.
WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., program, WMAK studio; 7:30, WJZ; 9:30, dance program.
WHAR, Atlantic City, N. J. (275m-1090kc), 8 p. m., Seaside hotel trio.
WJAZ, Chicago, Ill. (329.5m-910kc), 9-1 a. m., Avery McIntyre, pianist; James Harvard, cellist; Whistling Jim; Chez Pierre Hawaiian quartet; Elmer Winthrop, baritone.
WJJD, Mooseheart, Ill. (370.2m-810kc), 4:45-7 p. m., Howard L. Peterson, organist; Palmer House symphony players; Compton's "I see by the newspaper" man; Palmer House Victorians; 7-9, Isabel Defaut, Palmer House Victorians, Simeon Oliver; 9-11, Isabel Defaut, Palmer House studio, Cook Sisters; 11-1 a. m., Settin' Up hour, Jack Nelson, Palmer House Victorians.
WLIB, Chicago, Ill. (302.8m-990kc), 7:05-7:15 p. m., Old-Fashioned Almanack; 7:15-7:30, Drake concert ensemble, Blackstone string quintet; 7:30-8, Drake concert ensemble; Pattison Coates, baritone; 11-11:20, Correll and Gosden; 11:20-1 a. m., Liberty studio ensemble; Ambrose Larsen, organist; Drake hotel dance orchestra; Fred Hamm's orchestra.
WLS, Chicago, Ill. (344.6m-870kc), 6:30 p. m., Elsie Mae Look, organist; 7, Lullaby time, Elsie and Ralph; 7:15-1 a. m., National barn dance with fiddlers and caller; Maurie Sherman's orchestra; Ralph Emerson, organist; WLS Twin Wheeze.
WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., organ concert, Johanna Grosse; 8, meeting of the Sekatary Hawkins club; 8:30, Henry Theis's Castle Farmers; 8:35, Crescendon male quartet.
WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ recital; 6:30, Jack Chapman's orchestra; 8, Daw and Pratt; 8:30, Radio photologue; 9, Chicago theater weekly Radio revue.
WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon ensemble, Elizabeth Reohlk, cellist; Margaret Conrad, violinist; Preston Graves, pianist; Frank Bordner, baritone.
WOK, Chicago, Ill. (217.3m-1380kc), 6-7 p. m., Tip-Top Inn string ensemble concert; 10-1:30 a. m., Tearney's Town club orchestra, Midway Gardens orchestra; Pershing Palace orchestra, Katz and his Kittens' orchestra; Capitol theater program.
WOOD, Grand Rapids, Mich. (241.2m-1240kc), 9 p. m., Elizabeth Barker Van Campen hour of music; 10:05, studio program, Bob, Hazel McOsker, Freddie Gleason, Thelma Dykman, Louis Cunningham, Dodo and Mom, Van Wyck's instrumental quartet, Ramona Gardens orchestra.
WRC, Washington, D. C. (468.5m-640kc), 7:30, WJZ; 10, Kitt hour of music; 11-12, Otto F. Beck, organist.
WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., Gold Standard ensemble; Speed-Wagon serenaders; 10-12, Speed-Wagon serenaders; James Lyon, baritone; Merwin Jenkins, blind entertainers.
WSAI, Cincinnati, Ohio (325.9m-920kc), 8 p. m., chimes; 8:15, news; 8:30, Bicycle Playing Card sextet; 12 midnight, Lelia LeMar, Latonia Melody Boys, Norrine Gibbins, Priscilla Holbrook, Maids of Melody.
WSWS, Chicago, Ill. (275m-1090kc), 8 p. m., orchestra; staff artists; 10, quintet; Matthews Sisters; Freddie Wittmer, pianist; Myron Chon, saxophonist; 12 midnight, Witching hour.
WTAM, Cleveland, Ohio (389.4m-770kc), 6 p. m., Jack Horwitz Collegian serenaders; 7:30, studio program; 8, Hollenden hotel orchestra; 9, Novelty studio program.
WWJ, Detroit, Mich. (352.7m-850kc), 7:30 p. m., Goldman band concert.

Central Standard Time Stations

KFNF, Shenandoah, Iowa (263m-1140kc), 7 p. m., open; 11, old-time music.
KFRU, Bristow, Okla. (374.8m-800kc), 6-9 p. m., Marshall Van Pool and his Radio KVOO orchestra.
KLDS, Independence, Mo. (440.9m-680kc), 8 p. m., studio program arranged by Norma Troje Miller, violinist.
KMA, Shenandoah, Iowa (252m-1190kc), 9-11 p. m., Ye Olde Tyme Gang songs; Willy Cunningham the farmer Scotchman.
KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., Jacquinot Jules, organist; 7, Little Red Schoolhouse; 8, KMOX Radio orchestra; Porter Brown; 9, C. L. Weatherwax, baritone; 9:30, Jackquinot Jules, organist; Alice Maslin, pianist; 10, KMOX Radio orchestra.
KOIL, Council Bluffs, Iowa (277.6m-1080kc), 6:30 p. m., Miss Leo Kearse, piano selections; 7:30, Lucy Reimers, ukulele; Janet Reeves, soprano; 11, Hotsy-Totsy hour.
KPRC, Houston, Texas (296.9m-1010kc), 7:30 p. m., Universal Bible class, conducted by Rev. Claude L. Jones; 8, popular studio concert; 10, National Advertisers' essay contest.
WBAP, Fort Worth, Texas (475.9m-630kc), 8-8:30 p. m., Vesper symphony; 9:30-11, old fiddlers, Gordonville.
WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6:15 p. m., Emmet Long's Golden Pheasant orchestra; Didrikka Stub, soprano; 8:15, Flor's Little German band; 9:15, Teeter and Johnson, entertainers; Edward Schwarzkopf, clarinetist; 10:05, Wallie Erickson's Coliseum orchestra; Agnes Iverson, whistler; Jean Eatinger, entertainer.
WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., orchestra; 8-10, around the town with WDAF; 11:45-1 a. m., nighthawk frolic.
WFAA, Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m., Jimmy Joy's orchestra; 8:30-9:30, Col. Bill Cole and his varied entertainment; 11-12, Jack Gardner's orchestra.
WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., concert, all pieces Helen Chase, Nicholas Bohn.
WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., orchestra, Robert L. Sharp, director.
WOAW, Omaha, Nebr. (526m-570kc), 6 p. m., literary period; 6:50, orchestra; 7:30, Creighton educational period; 9, classical; 10, Elks club.
WOC, Davenport, Iowa (483.6m-620kc), 9-10 p. m., old fiddlers program.
WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., Andrew Jackson hotel trio; 8, popular and barn dance program.

Mountain Standard Time Stations

KFXF, Colorado Springs, Colo. (250m-1200kc), 9 p. m., Sells-McClusky first orchestra.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Knights of the Knotes; 8-9, Angelus string trio; 9-10, program arranged by Robert Hurd; 10-11, Packard Radio club; 11-2 a. m., KFI midnight frolic.
KFWB, Hollywood, Calif. (252m-1190kc), 6-7 p. m., Pontiac Six dinner hour; 8-10, Bill Hatch and his Oakmont Country club orchestra; 10-11, Warner Brothers frolic.
KGO, Oakland, Calif. (361.2m-830kc), 8:10 p. m., Lions' clubs; Columbia Park Boys' band; A. O. T. Astenius, organist; "Making a Movie"; 10-1 a. m., Hotel Whitcomb band.
KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 10-12 midnight, Herman Kenin's orchestra; Punch Green, pianist.
KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., Uncle John and the children; 8-10, Tower studio musical program.
KJR, Seattle, Wash. (384.4m-780kc), 8:30-10 p. m., L. C. Warner company studio program.
KNX, Hollywood, Calif. (336.9m-890kc), 7:30-8 p. m., studio program; 8-9, Luna Park program; 9-10, Broadway Department store; 10-11, Ambassador hotel dance orchestra; 11-1 a. m., Edgewater club.
KPSN, Pasadena, Calif. (315.6m-950kc), 8-9 p. m., Star-News instrumental ensemble and vocal artists.
KTAB, Oakland, Calif. (239.9m-1250kc), 7-7:30 p. m., shopping hour.

GENERAL TALKS AND SPEECHES

Thursday, July 15

Atlantic Eastern Central Mountain Pacific
7:30 p. m. 6:30 5:30 4:30 3:30
WGY (379.5m-790kc), Book talk.
8 7 6 5 4
WJZ (454.3m-660kc), Motion picture.
10:30 9:30 8:30 7:30 6:30
WORD (275m-1090kc), Travel talk, Clarence J. Perfitt.
11 10 9 8 7
KFWB (252m-1190kc), Fishing and hunting.

Friday, July 16

Atlantic Eastern Central Mountain Pacific
8 p. m. 7 6 5 4
WOAW (526m-570kc), Music review, Hester Bronson Copper.
8:30 7:30 6:30 5:30 4:30
WMCA (340.7m-880kc), Talk, T. R. Weyant.
8:45 7:45 6:45 5:45 4:45
WOI (370m-1110kc), "Joy Killers," Dr. William S. Saddler.
11:30 10:30 9:30 8:30 7:30
WOAW (428.3m-700kc), "Industrial San Francisco," Capen A. Fleming.

Saturday, July 17

Atlantic Eastern Central Mountain Pacific
10 p. m. 9 8 7 6
WGBS (316m-950kc), "Famous Women in History," Alexander Kaddison.

Monday, July 19

Atlantic Eastern Central Mountain Pacific
7:30 p. m. 6:30 5:30 4:30 3:30
WHAR (275m-1090kc), Book review, Edna Miriam Hoopes.
8 7 6 5 4
WMCA (340.7m-880kc), Christian Science lecture.
10 9 8 7 6
WRVA (256m-1170kc), Virginia Folk Lore, Dr. Freeman.
11 10 9 8 7
KFUO (545.1m-550kc), "Our Country's Present," Rev. Thomas Iben.
12:25a.m. 11:25 10:25 9:25 8:25
KGO (361.2m-830kc), "Chats About New Books," Joseph Harry Jackson.

Tuesday, July 20

Atlantic Eastern Central Mountain Pacific
7:30 p. m. 6:30 5:30 4:30 3:30
WGY (379.5m-790kc), "Plant and Animal Life in the Sargasso Sea."
WHAR (275m-1090kc), "Glimpses through the Stage Door," Mort Eiseman.
8 7 6 5 4
WLW (422.3m-710kc), "Your Week-End Trip."
8:15 7:15 6:15 5:15 4:15
WMCA (340.7m-880kc), Talk, T. R. Weyant.
9 8 7 6 5
WJZ (454.3m-660kc), Tour.
9:30 8:30 7:30 6:30 5:30
WMAQ (447.5m-670kc), "United States Government Activities in Chicago."
9:40 8:40 7:40 6:40 5:40
WMAQ (447.5m-670kc), Architects' Small House Service talk.
11:30 10:30 9:30 8:30 7:30
WCCO (416.4m-720kc), "Outdoors in Minnesota."

Wednesday, July 21

Atlantic Eastern Central Mountain Pacific
8:30 p. m. 7:30 6:30 5:30 4:30
WLW (422.3m-710kc), "Vacation Trips for Ohio Farmers," A. R. Weed.
9 8 7 6 5
WKRC (422.3m-710kc), Book talk.
WOS (440.9m-680kc), "Missouri," Gov. Baker.
11:15 10:15 9:15 8:15 7:15
KFUO (545.1m-550kc), "How Do We Receive the Holy Ghost," Rev. Hohenstein.

Thursday, July 22

Atlantic Eastern Central Mountain Pacific
9:45 p. m. 8:45 7:45 6:45 5:45
WRVA (256.3m-1170kc), Safety talk, Leonard F. Herold.

Friday, July 23

Atlantic Eastern Central Mountain Pacific
8 p. m. 7 6 5 4
WOAW (526m-570kc), Music review, Hester Bronson Copper.
10 9 8 7 6
WOS (440.9m-680kc), "Condition of Missouri Roads," O. I. Steele.
11 10 9 8 7
WNYC, (526m-570kc), Talk, Dr. Frank Vizetelly.

Monday, July 26

Atlantic Eastern Central Mountain Pacific
8 p. m. 7 6 5 4
WOR (405.3m-740kc), Current Events, H. V. Kaltenborn.
8:30 7:30 6:30 5:30 4:30
WLW (422.3m-710kc), Talk on eyes, Dr. Kaufman.
10 9 8 7 6
WRVA (256.3m-1170kc), "True Virginia Lore," Dr. Douglas S. Freeman.
11 10 9 8 7
KOA (322.4m-930kc), "The Work of the United States Biological Survey," Stanley Young.
11:15 10:15 9:15 8:15 7:15
KFUO (545.1m-550kc), "Our Country's Future," Rev. O. Lindemeyer.

Tuesday, July 27

Atlantic Eastern Central Mountain Pacific
7:30 p. m. 6:30 5:30 4:30 3:30
WGY (379.5m-790kc), "The May Flies," "Dance of Death."
WHAR (275.1m-1090kc), "Glimpses Through the Stage Door," Mort Eiseman.
8 7 6 5 4
WEBJ (272.6m-1100kc), R. R. talk, G. T. Geer.
9 8 7 6 5
WKRC (422.3m-710kc), Book review, Alice B. Coy.
9:30 8:30 7:30 6:30 5:30
WMAQ (447.5m-670kc), "United States Government Activities in Chicago."
9:40 8:40 7:40 6:40 5:40
WMAQ (447.5m-670kc), Architects' Small House Service talk.
10 9 8 7 6
WJZ (454.3m-660kc), Grand tour.
11 10 9 8 7
WMAQ (447.5m-670kc), Book talks.
11:30 10:30 9:30 8:30 7:30
KHJ (405.2m-740kc), Dogs.
WCCO (416.4m-720kc), "Outdoors in Minnesota."

Wednesday, July 28

Atlantic Eastern Central Mountain Pacific
7 p. m. 6 5 4 3
WTAG (267.7m-1120kc), Book talk, Robert K. Shaw.
9 8 7 6 5
KFKX (288.3m-1040kc), "Doings in Washington," Congressman Robert G. Simmons.
10 9 8 7 6
WHB (365.6m-820kc), Automotive talk.
11 10 9 8 7
KFUO (545.1m-550kc), "What Is an Erring Conscience?" Prof. J. T. Mueller.

Thursday, July 29

Atlantic Eastern Central Mountain Pacific
7:30 p. m. 6:30 5:30 4:30 3:30
WGY (379.5m-790kc), Book talk.
8 7 6 5 4
WJZ (454.3m-660kc), Motion picture.
10:30 9:30 8:30 7:30 6:30
WORD (275m-1090kc), Travel talk, Clarence J. Perfitt.
11 10 9 8 7
KFWB (252m-1190kc), Fishing and hunting.

Friday, July 30

Atlantic Eastern Central Mountain Pacific
8 p. m. 7 6 5 4
WOAW (526m-570kc), Music review, Hester Bronson Copper.

Sunday, July 25

Headliners Today

Atlantic Eastern Central Mountain Pacific
8:30 p. m. 7:30 6:30 5:30 4:30
WCAU (277.6m-1080kc), Bonwit Teller ensemble.
9:15 8:15 7:15 6:15 5:15
WEAF (491.5m-610kc), WEEI (348.6m-870kc), WGR, (319m-940kc), WCAP (468.5m-640kc), WWJ (352.7m-850kc), WSAI (325.9m-920kc), WGN (302.8m-990kc), WCCO (416.4m-720kc), KSD (545.1m-550kc), Atwater Kent program.
11:30 10:30 9:30 8:30 7:30
WOC (483.6m-620kc), Palmer Little symphony.
WBAP (475.9m-630kc), Hired Hand's Little symphony.
1 a. m. 12 m. 11 10 9
WFAA (475.9m-630kc), Shaw-Smith college club orchestra.

For stations silent tonight refer to first Sunday's list.

Atlantic or Eastern Daylight Saving Time Stations

CFCA, Toronto, Can. (356.9m-840kc), 11 a. m., Timothy Eaton Memorial church; 7 p. m., St. Paul's Anglican church; 9:30, musicale.
WBBR, New York, N. Y. (272.6m-1100kc), 10 a. m., Watchtower instrumental trio; Bible lecture, Judge Rutherford; 2 p. m., choral singers; 9, Watchtower string quartet, 9:20, Bible questions and answers, Judge Rutherford.
WCAU, Philadelphia, Pa. (277.6m-1080kc), 11 a. m., First Unitarian church services; 5 p. m., recital; 5:15 Undenominational church services; 5:25, sermon, Rev. John W. Stockwell; 6:45, Hotel Pennsylvania orchestra; 7:45, Cathay orchestra; 8:30, Bonwit Teller ensemble
WEAF, New York, N. Y. (491.5m-610kc), 7:20 p. m., Capitol Theater Family, WEEI, KSD, WCAP, WWJ, WJAR, WCAE; 9:15, Atwater Kent Radio program, WEEI, WGR, WCAP, WWJ, WSAI, WGN, WCCO, KSD; 9:45-10:15, Goldman band concert, WEEI, WJAR, WTAG, WCSH, WSAI.
WHAR, Atlantic City, N. J. (275m-1090kc), 10:45 a. m., Chelsea Baptist church; 2:15 p. m., Seaside hotel trio; 7:50, Chelsea Baptist church; 9, Seaside hotel ensemble.
WHN, New York, N. Y. (361.2m-830kc), 7:30 p. m., Calvary evening services; 10:45, Janssen's Hofbrau orchestra; 12, Sophie Tucker's playground.
WIP, Philadelphia, Pa. (508.2m-590kc), 10:30 a. m., services, Holy Trinity church.
WJZ, New York, N. Y. (454.3m-660kc), 6 p. m., staff recital; 6:45, Hotel Pennsylvania concert orchestra; 7:05, Park Avenue Baptist Church Carillon, WGY; 7:25, Hotel Pennsylvania concert orchestra, WGY; 8:30, Hotel Madison concert orchestra, WGY; 9:30, Godfrey Ludlow, violinist; Lolita Cabrera Ganisbarg, pianist.
WMAK, Buffalo, N. Y. (265.3m-1130kc), 7 p. m., Churchill Tabernacle evening services.
WMCA, New York, N. Y. (340.7m-880kc), 7 p. m., Ernie Golden and his Hotel McAlpin orchestra; 9, Jewish Forward hour.
WOO, Philadelphia, Pa. (508.2m-590kc), 2:30 p. m., musical exercises, Bethany Sunday school; 6, organ recital; 7:30, services, Bethany Presbyterian church.

Eastern Standard or Central Daylight Saving Time Stations

KYW, Chicago, Ill. (535.4m-560kc), 11 a. m., Second Presbyterian church; 4, studio concert; 9:30-11, classical concert.
WBAL, Baltimore, Md. (245.8m-1220kc), 7:30-8:30 p. m., WBAL concert orchestra.
WBBM, Chicago, Ill. (225.3m-1330kc), 5-6 p. m., Eddie Hansen, organist; 8-10, Jack Crawford's Alemite high pressure orchestra, Howard Osburn's Vanity Fair cafe orchestra, Pauline Atlass, violinist; Maurice Silverman, tenor; Kay Ronayne, contralto; Hazel McBroom, contralto; Fred L. Jeske, baritone; Florence Sangor, pianist; 12 midnight, The Nutty club.
WENR, Chicago, Ill. (265.3m-1130kc), 9:15 a. m., services; 2-3 p. m., Skeeles-Biddle hour of better music; 3-4, Moody Bible Institute hour; 6-7, Moody Bible Institute evening hour; 9:30-12, All-American Pioneers.
WGES, Chicago, Ill. (249.9m-1200kc), 10:30 a. m., Austin M. E. church; 11:45, high mass; 5-7:40, afternoon musicale; 11-1 a. m., Ray Hibbler, Lew Butler, Marg, Van, organ, orchestra.
WGHP, Detroit, Mich. (270.1m-1110kc), 11 a. m., Grosse Pointe Memorial church.
WGN, Chicago, Ill. (302.8m-990kc), 6:45-7 p. m., musicale; 7-7:20, Million sing; 7:20-7:30, Old-Fashioned Almanack; 7:30-8, musicale; 8-8:15, Drake concert ensemble, Blackstone string quintet; 8:15-8:45, WEAF; 8:45-9, musical program; 9-10, Our Music room; 10-10:10, Sam 'n' Henry; 10:10-11, WGN studio ensemble.
WGY, Schenectady, N. Y. (379.5m-790kc), 6 p. m., WJZ; 6:20, Hotel Pennsylvania orchestra; 7 p. m., miscellaneous program; 7:30, Hotel Madison orchestra; 8:30, miscellaneous program; 9-9:30, WJZ.
WHAR, Atlantic City, N. J. (275m-1090kc), 10:45 a. m., Chelsea Baptist church; 2:15 p. m., Seaside hotel trio; 7:50, evening service; 9, classical program, Seaside hotel ensemble.
WJAZ, Chicago, Ill. (329.5m-910kc), 7-9 p. m., Dangremond trio; Kathryn Ready, soprano; John Bennet Ham, baritone.
WJJD, Mooseheart, Ill. (370.2m-810kc), 12-2 p. m., Howard L. Peterson, organist; 1:30-3:30, Mooseheart Sunday concert; 2:30-4, Mooseheart Radio Bible class; 3-5:30, Palmer House Sunday symphony orchestra.
WLIB, Chicago, Ill. (302.8m-990kc), 5-5:45 p. m., Liberty studio ensemble; 5:45-6:15, Edward Benedict, organist.
WLS, Chicago, Ill. (344.6m-870kc), 7-8:55 p. m., WLS Little Brown Church in the Vale; WLS trio; Sol Heller, baritone.
WLW, Cincinnati, Ohio (422.3m-710kc), 9:30 a. m., Sunday school; 11, church service, G. W. Kirchner, Y. M. C. A.; 3 p. m., organ recital, J. Alfred Schehl; 7:30, First Presbyterian church; 8:30, Crosley ensemble orchestra.
WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon ensemble and vocal artists in sunset musical; 9-11, Trianon orchestra, Dell Lampe, Woodlawn theater orchestra, Armin F. Hand, Trianon ensemble, Billie Allen Hoff, Vail and Abbott, Joe Parsons, Bob Bennett.
WOK, Chicago, Ill. (217.3m-1380kc), 6 p. m.-1 a. m., Tip-Top Inn string ensemble concert; Tearney's Town club orchestra; Midway Gardens orchestra; Pershing Palace orchestra; Katz and his Kittens' orchestra; Capitol theater program.
WREO, Lansing, Mich. (285.5m-1050kc), 10:30 a. m., First Baptist church; 7:30, Reo Motor Car company band; John George, soloist.
WSAI, Cincinnati, Ohio (325.9m-920kc), 7:45 p. m., chimes; 8, sermonet; 8:15, WEAF; 8:45, WEAF.
WSWS, Chicago, Ill. (275m-1090kc), 11 a. m., Moody church; 3:30 p. m., popular service; 7, song service.
WTAM, Cleveland, Ohio (389.4m-770kc), 10:30 a. m., First Methodist church; 7 p. m., Park theater orchestra; 8, twilight musicale.
WWJ, Detroit, Mich. (352.7m-850kc), 10 a. m., First Presbyterian church; 2 p. m., Detroit News orchestra; 6:20, WEAF; 8:15, WEAF.

Central Standard Time Stations

KFRU, Bristow, Okla. (374.8m-800kc), 12:30-7 p. m., pipe organ, band; 7:30-9, worship hour.
KLDS, Independence, Mo. (440.9m-680kc), 6:30 p. m., Radio vesper service, KLDS Ladies' quartet, sermonet, Ralph W. Farrell; 9:15, Apostle Paul M. Hanson.
KMOX, St. Louis, Mo. (280.2m-1070kc), 8 p. m., KFQA, The Principia; 9, Skouras Brothers Sunday night club.
KOIL, Council Bluffs, Iowa (277.6m-1080kc), 7:30 p. m., Paramount program; 11, Hotsy-Totsy hour.
KPRC, Houston, Texas (296.9m-1010kc), 8 p. m., First Christian church; 9:30, Skyline studios; 11, pipe organ.
KWCR, Cedar Rapids, Iowa (278m-1080kc), 5 p. m., vesper services; 9:30, Sunshine mission.
WBAP, Fort Worth, Texas (475.9m-630kc), 9:30-11 p. m., Hired Hand's Little symphony.
WFAA, Dallas, Texas (475.9m-630kc), 2:30-3 p. m., Farmers' hour; 6-7, Radio Bible class; 7:15-8, Willard B. Muse, tenor; Ruth Muse, contralto; 8-9, First Church of Christ, Scientist; 9-9:30, Dr. E. R. Barcus; 11-12, Shaw-Smith College club orchestra.
WHAS, Louisville, Ky. (399.8m-750kc), 10 a. m., St. Boniface church.
WHB, Kansas City, Mo. (365.6m-820kc), 9:40 a. m., Linwood Blvd. Christian church; 11:15, Independence Blvd. Christian church; 8-9:15, evening services; 11:15, Linwood Radio feature.
WHO, Des Moines, Iowa (526m-570kc), 5-6 p. m., Bankers Life Little symphony orchestra; 7:30-8:30, Fourteenth Cavalry band.
WMC, Memphis, Tenn. (499.7m-600kc), 11 a. m., services, First Methodist church.
WOAI, San Antonio, Texas (394.5m-760kc), 11 a. m., First Presbyterian church; 7:45, Central Christian church.
WOAW, Omaha, Nebr. (526m-570kc), 9 a. m., chapel service; 1:30 p. m., boys' period; 2:30, classical.
WSUI, Iowa City, Iowa (483.6m-620kc), 9 p. m., familiar hymns.

Mountain Standard Time Stations

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., vocal solos and string quartet; 8, Denver municipal band.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Jim, Jack and Jean trio; 8-9, Aeolian organ; 9-10, Badger's Hollywood Californians; 10-11, Packard Six orchestra.
KFWB, Hollywood, Calif. (252m-1190kc), 9-11 p. m., Warner Brothers Sunday night movie frolic.
KGW, Portland, Ore. (491.5m-610kc), 10:25 a. m., services; 7:30-9, evening service; 9-10, Chevrolet symphony orchestra.
KHJ, Los Angeles, Calif. (405.2m-740kc), 7-8 p. m., First Methodist Episcopal church; 8-10, feature program presenting Orpheus Four in request numbers.
KNX, Hollywood, Calif. (336.9m-890kc), 7-8 p. m., Circle theater organ and orchestra; 8-9, First Presbyterian Church of Hollywood; 9-10:30, Beverly Hills Nurseries program.

Monday, July 26

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
9:30 p. m.	8:30	7:30	6:30	5:30

WCOA (222m-1350kc), U. S. Naval air station band.

10	9	8	7	6
10:30	9:30	8:30	7:30	6:30

WLW (422.3m-710kc), Charleston lesson.
KOIL (277.6m-1080kc), Clara Kurtz and Her Chocolate Cake-Eater.
KWWG (277.6m-1080kc), Pelays Quintano.
WMC (499.7m-600kc), Joe Bennett's Moonlight syncopators.

11	10	9	8	7

KFI (467m-642kc), Owen Fallon's Californians.

2 a. m.	1	12 m.	11	10

For stations silent tonight refer to first Monday's list.

Atlantic or Eastern Daylight Saving Time Stations

CKNC, Toronto, Can. (356.9m-840kc), 9 p. m., Eveready orchestra; Eveready male quartet.
CNRM, Montreal, Canada (410.7m-730kc), 9 p. m., Metropolitan instrumental quartet.
WBBR, New York, N. Y. (272.6m-1100kc), 8 p. m., Jubilee entertainers.
WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30 p. m., recital, N. Snellenburg and company; 8, recital; 8:30, Hood Boys; 8:45, Merry Minstreis; 9:30, Roy Tracy, tenor; Chalfant Sisters; 10, Madrigal Mixed quartet; 10:30, Eddie Campbell and orchestra.
WEAF, New York, N. Y. (491.5m-610kc), 4-12 midnight, tea music; Meyer Davis' Park Lane orchestra; Goldman band concert; grand opera.
WHAR, Atlantic City, N. J. (275m-1090kc), 8 p. m., Seaside hotel trio; 11, Follies Bergere dance orchestra.
WHN, New York, N. Y. (361.2m-830kc), 7:30 p. m., Joe Ward's Swanee entertainers; 8, Roseland dance orchestra; 9, Leverich Three and "Peter the Great"; 9:30, Loew's New York orchestra; 10, Palisades Amusement Park orchestra; 10:30, Leroy Smith's orchestra; 11, Cotton club orchestra; 11:30, Club Alabam orchestra; 12, Silver Slipper orchestra.
WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 7, Uncle Wip's bedtime stories.
WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Hotel Madison dinner concert orchestra; 7:55, John B. Kennedy; 8, Maxwell House Coffee ensemble; 10:30, Harry Leonard's Waldorf-Astoria Roof orchestra.
WLIT, Philadelphia, Pa. (394.5m-760kc), 9 p. m., Stanley hour of music; 10, Arcadia dance orchestra.
WLWL, New York, N. Y. (288.3m-1040kc), 9:30 p. m., soprano; 10, musicale; 10:30, trio.
WMAK, Buffalo, N. Y. (265.3m-1130kc), 6:15-7:15 p. m., Philco serenaders; 7:30-8:15, musicale; 9-10, musicale.
WMCA, New York, N. Y. (340.7m-880kc), 6:30 p. m., Ernie Golden and his Hotel McAlpin orchestra; 9:15, Hardman hour of music; 11, Jack Denny's orchestra; 11:30, Club Brighton orchestra; 12, McAlpin entertainers.
WNYC, New York, N. Y. (526m-570kc), 6 p. m., piano selections; 7:35, songs.
WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Ritz Carlton dance orchestra; 8:30, organ recital; 9, Sesquicentennial program; 10, Adalphia dance orchestra.
WOR, Newark, N. J. (405.2m-740kc), 9:45 p. m., Monterey society orchestra; 10:45, Monterey concert quintet; 11:15, Ben Bernie Berkeley Carteret grill.

Eastern Standard or Central Daylight Saving Time Stations

WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., dinner orchestra; 7:30-8, male quartet; 8-9, trio; 9-10, WBAL dance orchestra.
WCBD, Zion, Ill. (344.6m-870kc), 9 p. m., mixed quartet, celestial bells; John D. Thomas, baritone; Dorothy Bull, soprano; duets; trios; Alexander DePew, flutist.
WGHB, Clearwater, Fla. (265.3m-1130kc), 8:30-10 p. m., Homer Moore, recital; baritone and accompanist.
WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert, Hotel Tuller; 8:30, WGHP Harmony Four; 9-10, WGHP ensemble; T. Stanley Perry, tenor; 12-1 a. m., Gerald Marks' orchestra.
WGY, Schenectady, N. Y. (379.5m-790kc), 6:30-7:15 p. m., musical program; 7:15-8, Agricultural program; 8-8:30, musical program.
WHAR, Atlantic City, N. J. (275m-1090kc), 8 p. m., Seaside hotel trio; 11, Follies Bergere dance orchestra.
WJJD, Mooseheart, Ill. (370.2m-810kc), 4:45-7 p. m., Howard L. Peterson, organist; Palmer House symphony players; Compton's "I see by the newspaper" man; Palmer House Victorians.
WLS, Chicago, Ill. (344.6m-870kc), 6:30 p. m., Elsie Mae Look, organist; 6:45-7, Maurie Sherman's College Inn orchestra.
WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., Hotel Gibson orchestra; 7:30, theatrical feature; 7:40, Hotel Gibson concert; 8, Crosley Salon orchestra, Helen Remley, soprano.
WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9 p. m., Corduroy Tire Little symphony orchestra; specialty; Corduroy Balloonists; 10:05, Van Wyck's instrumental quartet; 11, Wild and Wooly Wood Workers' club.
WRC, Washington, D. C. (468.5m-640kc), 5-6:20 p. m., U. S. Navy band.
WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., Gold Standard ensemble; Speed-Wagon serenaders.
WRVA, Richmond, Va. (256.3m-1170kc), 8:45 p. m., Blind piano virtuoso, J. Harold Lawrence; 9, Dr. Douglas Freeman, True Virginia lore; 9:10, Edgeworth Opera company; 10, Hotel Richmond Roof Garden orchestra; 11, Carry Me Back to Old Virginny.
WTAM, Cleveland, Ohio (389.4m-770kc), 6 p. m., Hollenden hotel orchestra; 8, studio program; 11, Euclid Beach Park orchestra.
WWJ, Detroit, Mich. (352.7m-850kc), 7:30 p. m., Goldman band concert; 9, Detroit News orchestra.

Central Standard Time Stations

KFKX, Hastings, Nebr. (288.3m-1040kc), 9 p. m., musical program, Hotel Clarke studio.
KFRU, Bristow, Okla. (374.8m-800kc), 6-9 p. m., Oklahoma's Sweetheart of the Air.
KMA, Shenandoah, Iowa (252m-1190kc), 9-11 p. m., Corey and Carl of Corning, 2-piano recital.
KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., Jacquinot Jules, organist; 7, Buster's saxophone quintet; 8, KMOX Radio orchestra; 9, organ and piano duo, Jacquinot Jules, Alice Maslin; 9:30, Bamalogue; 10, Music Lover's hour.
KOIL, Council Bluffs, Iowa (277.6m-1080kc), 6:03 p. m., Ole' Don Hill and his ukulele; 7:30, Kenyon's melody kings; 8:30, Clara Kurtz and her chocolate cake-eater; 9, studio program; 10, Barnyard Twins; 11, Hotsy-Totsy hour.
KPRC, Houston, Texas (296.9m-1010kc), 7:30 p. m., Records' Ramblers; 8, Max E. Shipee, tenor; Mrs. Harmon Whittington, pianist; 8:15, dance music.
KWCR, Cedar Rapids, Iowa (278m-1080kc), 9 p. m., musicale.
KWWG, Brownsville, Texas (277.6m-1080kc), 8:30-9 p. m., Pelays Quintano, guitar and Canciones Mexicanos; 9-9:20, Mrs. C. W. Davenport, contralto; Dave DeKorte, baritone; 9:20-9:40, Doc Dutro, harmonica; Tom Barber, pianist; 12-1 a. m., novelty and jazz; E. C. Toothman, announcer; Beth Sewell and Florine Pierce, accompanists.
WBAP, Fort Worth, Texas (475.9m-630kc), 7:30-8:30 p. m., program, Farin F. Ross, director; 9:30-11, Mrs. J. E. Cooley; 11-12 midnight, Don Stegall and his band.
WCOA, Pensacola, Fla. (222m-1350kc), 7 p. m., concert, U. S. Naval Air station band; Mrs. Ben's young ladies' chorus; WCOA string quartet.
WFAA, Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m., Honey Boys orchestra; 8:30-9:30, agricultural program.
WHB, Kansas City, Mo. (365.6m-820kc), 7-8 p. m., Sweeney Radio orchestra.
WHO, Des Moines, Iowa (526m-570kc), 7:30-8 p. m., Philbreck and his Younker tea-room orchestra; 8-9, musicale.
WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Joe Bennett's Moonlight syncopators.
WOAW, Omaha, Nebr. (526m-570kc), 6 p. m., Hugo G. Heyn, marimba soloist; Emil B. Hofmann, pianist; 6:50, orchestra; 9, classical.
WOAI, San Antonio, Texas (394.5m-760kc), 8:30 p. m., Sunshine Laundry orchestra.

CLASSICAL CONCERTS INDEX

Sunday

Atlantic	Eastern	Central	Mountain	Pacific
7:20 p. m.	6:20	5:20	4:20	3:20

WCAE, WCAU, WEAF chain, WJAR, WJAZ, WWJ.

8:30	7:30	6:30	5:30	4:30

KOA.

9	8	7	6	5

WAMD, WBZ, WCAU, WHAR, WJAZ, WHT, WNYC, WQJ.

10	9	8	7	6

KFDM, KPRC, WBZ, WCBD, WCCO, WGY.

9:15	8:15	7:15	6:15	5:15

WEAF chain.

9:45	8:45	7:45	6:45	5:45

WEAF chain.

11	10	9	8	7

KFAB, KHJ, KNX, KTHS, KYW, WCCO, WFAA, WOC, WSOE.

12 m.	11	10	9	8

KHJ, KNX, KPO, KTHS, WKRC, WOC.

1 a. m.	12 m.	11	10	9

KHJ, KNX, WOC.

2	1	12 m	11	10

KNX.

Monday

Atlantic	Eastern	Central	Mountain	Pacific
7 p. m.	6	5	4	3

KGO, WCX, WEAF, WOK, WREO, WWJ.

7:30	6:30	5:30	4:30	3:30

KFAB.

8	7	6	5	4

KMA, WBBR, WCCO, WEAF, WEAR, WHAR, WHAD, WHT, WJR, WMBB, WOAW, WTAG.

9	8	7	6	5

KFNF, KSD, WBZ, WCX, WLW, WTIC.

9:30	8:30	7:30	6:30	5:30

KOA.

10	9	8	7	6

WEAF chain, KFAB, KGO, KHJ, KPRC, WCCO, WBZ, WHAD, WHO, WLW, WORD, WOS, WDAF.

11	10	9	8	7

KMA, KOA, KPO, KPRC, KSD, KTHS, WAMD, WCCO, WHAD, WOAW, WSAI, WSUI.

11:15	10:15	9:15	8:15	7:15

KOA.

12 m.	11	10	9	8

KGW, KHJ, KMA, KSD, KTHS.

1 a. m.	12 m.	11	10	9

KGW, WBAP.

2	1	12 m	11	10

KHJ.

Tuesday

Atlantic	Eastern	Central	Mountain	Pacific
7 p. m.	6	5	4	3

WBZ, WCX, WREO, WWJ.

7:30	6:30	5:30	4:30	3:30

KFAB.

8	7	6	5	4

KGO, KMA, WEAF, WHAD, WJR, WMAQ, WOAW, WOK, WSAI, WTIC, WWJ.

8:30	7:30	6:30	5:30	4:30

WSAI.

9	8	7	6	5

KFNF, KSD, KYW, WBZ, WCAE, WCX, WHT, WLS, WMBB, WQJ, WRC, WTIC, WEAF chain.

9:30	8:30	7:30	6:30	5:30

KOA.

10	9	8	7	6

KFDM, KGO KHJ, KYW, WCAE, WCBD, WCCO, WEAF, WEEI, WGR, WHAS, WJAR, WLW, WMAQ, WOC, WORD, WSAI, WTAG.

11	10	9	8	7

KFAB, KFDM, KFUO, KMA, KNX, KPRC, KTHS, WCAE, WCCO, WEAF, WEEI, WLW, WMCA, WOC, WSOE, WTAG.

12 m.	11	10	9	8

KGO, WHAD, WJR, WMAQ, WOK, WTIC.

9 p. m.	8	7	6	5

KFNF, KPRC, KSD, KYW, WAMD, WBZ, WCX, WEAF, WEEI, WHT, WLW, WMBB, WMCA, WQJ, WTAG, WWJ.

9:30	8:30	7:30	6:30	5:30

KOA.

10	9	8	7	6

KGO, KPRC, KSD, KYW, WBZ, WCCO, WDAF, WEEI, WGR, WHAD, WHAS, WJAR, WMAQ, WOR, WOS, WORD.

11	10	9	8	7

KMA, KNX, KTHS, WAMD, WCCO, WEAF, WEEI, WGR, WHAD, WJAR, WLS, WMAQ, WNYC, WOC, WSOE.

12 m.	11	10	9	8

KGO, KGW, KMA, KPO, KTHS, WCAE, WLS, WLW, WOC, WSAI.

1 a. m.	12 m.	11	10	9

KGW, KPO, WHAD, WLW.

2	1	12 m	11	10

WLW.

Thursday

Atlantic	Eastern	Central	Mountain	Pacific
7 p. m.	6	5	4	3

WBZ, WCX, WIP, WREO, WWJ.

8	7	6	5	4

KGO, KSD, WEAF, WGBS, WHAD, WJR, WMAQ, WOAW, WOK, WQJ, WWJ.

9	8	7	6	5

KYW, WBBR, WBZ, WCAU, WCCO, WCX, WEEI, WGR, WGY, WHAR, WHT, WLS, WLW, WMBB, WOAW, WTAG, WTIC.

9:30	8:30	7:30	6:30	5:30

KOA.

10	9	8	7	6

KHJ, KLDS, WBAP, WCAE, WCAU, WCBD, WCCO, WEAF, WEEI, WGR, WHAR, WHAS, WJAR, WJAZ, WNYC, WOC, WORD, WRC, WSAI, WSB, WTAG.

11	10	9	8	7

KNX, KPRC, KTHS, KYW, WAMD, WGR, WGY, WHAD, WJAZ, WMC, WOAW, WOC, WSAI.

12 m.	11	10	9	8

KGO, KPO, KTHS, WBAP, WJAZ, WKRC.

1 a. m.	12 m.	11	10	9

KGW, KPO, WHO, WKRC.

Friday

Atlantic	Eastern	Central	Mountain	Pacific
7 p. m.	6	5	4	3

KGO, WCX, WMCA, WREO, WWJ.

7:30	6:30	5:30	4:30	3:30

KFAB.

8	7	6	5	4

KGO, WEBJ, WGY, WHAD, WJR, WMAQ, WOAW, WOK, WOR, WQJ, WTIC.

9	8	7	6	5

KYW, WAHG, WAMD, WBZ, WCAU, WCX, WEBJ, WEEI, WHT, WLS, WWJ.

9:30	8:30	7:30	6:30	5:30

KOA.

10	9	8	7	6

KFDM, KFNF, KGO, KHJ, KSD, KYW, WBAP, WBZ, WCAU, WDAF, WEEI, WHAD, WJAR, WMAQ, WMCA, WSAI.

11	10	9	8	7

KFAB, KFDM, KOA, WCCO, WHAD, WMAQ,

12 m.	11	10	9	8

KHJ, KNX, KPO.

1 a. m.	12 m.	11	10	9

KPO.

Saturday

Atlantic	Eastern	Central	Mountain	Pacific
7 p. m.	6	5	4	3

WCX, WEAF, WMCA, WREO.

7:30	6:30	5:30	4:30	3:30

KFAB.

8	7	6	5	4

KGO, KYW, WENR, WMAQ, WNYC, WOAW, WOK, WRC.

9	8	7	6	5

KDKA, KFNF, KOIL, KSD, KYW, WBBR, WGN, WMBB, WNYC, WOAW, WQJ.

10	9	8	7	6

KPRC, KHJ, KYW, WHAS, WIP, WLW, WORD, WSAI, WSOE.

11	10	9	8	7

KNX, KYW, WEAF, WMAQ, WMC, WOAW, WOC, WORD.

12 m.	11	10	9	8

KGO.

1 a. m.	12 m.	11	10	9

WOAW.

Wednesday

Atlantic	Eastern	Central	Mountain	Pacific
7 p. m.	6	5	4	3

WCX, WREO, WWJ.

7:45	6:45	5:45	4:45	3:45

KFAB, WSAI.

8	7	6	5	4

KGO, WHAD, WJR, WMAQ, WOK, WTIC.

WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., Andrew Jackson hotel trio; 8, Lucie Van Valkenburg, teacher of piano; 10, Vito and his Radio seven.
WSUI, Iowa City, Iowa (483.6m-620kc), 8 p. m., musical program.

Mountain Standard Time Stations

KFXF, Colorado Springs, Colo. (250m-1200kc), 9 p. m., Margaret Delano Osborn, pianist; Grace D. Fitzgerald, soprano.
KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra; 7:30, Sandman's hour; 8, Scheuerman's Colorado orchestra; 8:15, vocal duets, Mrs. Julian C. Riley, soprano; Gorda Klein, contralto; Bonnie Veeder, accompanist; orchestra overture.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Owen Fallon's Californians; 8-9, classical hour; 9-10, program, Walter M. Murphy Motors company, KPO; 10-11, program, Meiklejohn Brothers.
KFWB, Hollywood, Calif. (252m-1190kc), 7:30-8 p. m., program, Dr. Ralph Mitchell and Associated Dentists; 8-9, Sealy Mattress company program; 9-10, program, American Dye Works; 10-11, Warner Brothers frolic.
KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-9, organ recital; 9-10, vaudeville entertainment; 10-12 midnight, Spanish ballroom.
KNX, Hollywood, Calif. (336.9m-890kc), 7-7:30 p. m., studio program; 7:30-8, program, Overell's; 8-9, L. W. Stockwell company program; 9-10, Julian Petroleum Corp. program; 10-11, M. Weinstein program, Alexandria hotel dance orchestra; 11-12 midnight, Ambassador hotel dance orchestra.

Here is the well-known violin quartet which has been appearing regularly at WQJ, Chicago this month. This foursome is composed of Professors Engelage, Smith, Schuler and Kovacs, all members of the First National Institute of Violins. Their string melodies are attracting listeners far and wide to this station.

Tuesday, July 27

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
7:30 p. m.	6:30	5:30	4:30	3:30

WOO (508.2m-590kc), Program, Sesquicentennial.

8:30	7:30	6:30	5:30	4:30

WFAA (475.9m-630kc), Troy Floyd's orchestra.

9	8	7	6	5

WGHP (270.1m-1110kc), Campers' half hour.
WGY (379.5m-790kc), "In India," operetta.

9:30	8:30	7:30	6:30	5:30

WBAP (475.9m-630kc), Massengales.
WHAS (399.8m-750kc), Cardinals.

10	9	8	7	6

WBAL (245.8m-1220kc), Municipal band of Baltimore.

12 m.	11	10	9	8

KMOX (280.2m-1070kc), "Aus Russland," KMOX staff.

For stations silent tonight refer to first Tuesday's list.

Atlantic or Eastern Daylight Saving Time Stations

CNRA, Moncton, Canada (322.4m-930kc), 9 p. m., Mrs. Neva Buckley Inch, contralto; Mrs. Edith Hyndman; Laura Wightman; 11, CNRA dance orchestra.
WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30 p. m., Snellenburg instrumental trio; 8, theater digest; 8:10, Three Brothers; 8:25, Peter Ricci, baritone; 8:45, Higgins and Burke, songs; 9, Kuehnle's artists; 9:30, Robert Fraser, blind gospel singer; 10, recital; 10:15, Eddie Malle's entertainers; 10:30, Cathay Tea Garden dance orchestra.
WEAF, New York, N. Y. (491.5m-610kc), 4-12 midnight, Gold Dust Twins, Eveready hour; Variety half-hour; orchestra; Buffalodians.
WEBJ, New York, N. Y. (272.6m-1100kc), 7 p. m., Karl Weiss Peasant band; 7:30, Luna's Knickerbocker grill orchestra; 8:15, Sil Angurolla; Carrie Cohen, pianist; 8:30, Luna's Marine band.
WFI, Philadelphia, Pa. (394.5m-760kc), 8 p. m., WEAF; 10:30, Albin's Bossert orchestra; 11, Buffalodians dance orchestra.
WGBS, New York, N. Y. (315.6m-950kc), 7 p. m., Arrowhead Inn concert orchestra; 8, play; 10:30, Arrowhead Inn dance orchestra.
WHAR, Atlantic City, N. J. (275m-1090kc), 8 p. m., Seaside hotel trio.
WHN, New York, N. Y. (361.2m-830kc), 6:30 p. m., Everglades orchestra; 7:30, Will Oakland's chatheau; 8, Treasureland Neighbors; 9:30, Loew's 83rd Street orchestra; 10:30, Strand Roof orchestra; 11:30, Sophie Tucker's Playground; 12, Country club orchestra.
WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 8, recital, Marine studio; 8:30, Murphy's Steel Pier Minstrels; 9, Chalfonte-Haddon hall trio; 10, movie talk; 11, Million Dollar Pier orchestra; 11:30, Silver Slipper dance orchestra.
WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Frank Dole; 7:20, Harry Leonard's Waldorf-Astoria orchestra; 8, One-up Cut-ups; 8:30, Deltah Pearl hour, WRC, WGY; 9, Pennsylvania Keystoners, WRC; 10, Cook's Southern Hemisphere Cruises, WRC, WGY; 10:45, George Olsen's Hotel Pennsylvania orchestra.
WLIT, Philadelphia, Pa. (394.5m-760kc), 7:30 p. m., El Patio dance orchestra.
WLWL, New York, N. Y. (288.3m-1040kc), 9:15 p. m., Compinsky brothers; 9:30, Premier male quartet.
WMAK, Buffalo, N. Y. (365.m-1130kc), 10:30-11:30 p. m., musical program, Beaver Products orchestra.
WMCA, New York, N. Y. (340.7m-880kc), 7 p. m., Hofbrau Haus entertainers; 9, Paul Whiteman's Picadilly players; 9:30, Columbia Park entertainers; 11, Ernie Golden and his Hotel McAlpin orchestra; 12, McAlpin entertainers.
WNYC, New York, N. Y. (526m-570kc), 6:35 p. m., piano selections; 7:15, songs.
WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., program from Sesquicentennial.
WOR, Newark, N. J. (405.2m-740kc), 6:30 p. m., Jacques Jacobs Hotel Shelton ensemble.

Eastern Standard or Central Daylight Saving Time Stations

KYW, Chicago, Ill. (535.4m-560kc), 7 p. m., music hour, Chicago Evening American studio; 8, Congress hotel; 9-10:30, classical; 10:30-12 midnight, Carnival.
WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., dinner orchestra; 7:30-8, Howard R. Thatcher, organist; 8-9, Katharine Whitelock, violinist; George Bolek, pianist; 9-10, Municipal Band of Baltimore.
WBBM, Chicago, Ill. (225.3m-1330kc), 5-6 p. m., Eddie Hansen, organist; 8-9:30, Fort Dearborn male choir, Alemite string trio, Jack Crawford's Alemite high pressure orchestra, "Hi and Si," Lee Sims, Kay Ronayne, contralto; 9:30-10, Moss Covered melodies; 10-11:30, Lee Sims, Smith and Ford, Alemite high pressure boys, Jack Crawford's Alemite high pressure orchestra, Howard Osburn's Vanity Fair cafe orchestra, Tom Brown's Sax sextet, Eunice Hoefer, organist; 11:30-12 midnight, Lee Sims, Howard Osburn's Vanity Fair cafe orchestra, Jack Crawford's Alemite high pressure orchestra.
WCBD, Zion, Ill. (344.6m-870kc), 9 p. m., McElroy saxophone quintet; McElroy Brothers quartet; Alice Peters, violinist; Florence Farrar, contralto; Erma Reynolds, soprano; trios, duets; Miriam Hollingshead, flutist; reading.
WENR, Chicago, Ill. (265.3m-1130kc), 6-7 p. m., Rauland lyric trio; 8-9, Arthur Dunas popular program; 9-10, Moody Bible Institute evening hour.
WGES, Chicago, Ill. (249.9m-1200kc), 8-9 p. m., Frank Hayes, Casey and Gervais, Tom Wheeler, Al Bernstein, Peggy O'Neill, organ; 11-1 a. m., Flo and Ray, Esther Richards, Bobby Lee, Lew Butler, Pat Ryan.
WGHB, Clearwater, Fla. (265.3m-1130kc), 8:30-10 p. m., Capitol theater orchestra.
WGHP, Detroit, Mich. (270.1m-1110kc), 8:30-9 p. m., Campers' half hour; 9-10, Skylark dance band; 12-1 a. m., Gerald Marks and his orchestra.
WGN, Chicago, Ill. (302.8m-990kc), 6:45-7 p. m., Drake concert ensemble, Blackstone string quintet; 8-9, WEAF; 10-10:10, Sam 'n' Henry; 10:10-10:20, Music Box; 10:20-11, WGN studio ensemble.
WGY, Schenectady, N. Y. (379.5m-790kc), 6:45-7:30 p. m., musical program; 7:30-8, WJZ; 8-9, Operetta, "In India," WGY light opera company; 9-9:30, WJZ; 9:30-10:30, Beaver hour.
WHAR, Atlantic City, N. J. (275m-1090kc), 8 p. m., Seaside hotel trio.
WJAZ, Chicago, Ill. (329.5m-910kc), 9-12 midnight, The Quips that Pass in the Night; Francis Rosemary Scheib, soprano; Henrietta Nolan, violinist; William Hayden, tenor.
WJJD, Mooseheart, Ill. (370.2m-810kc), 4:45-7 p. m., Howard L. Peterson, organist; Palmer House symphony players; Compton's "I see by the newspaper" man; Palmer House Victorians; 7-9, music by children of all ages; solos, bands, etc.; 9-11, Palmer House Victorians, Clarence Harper; 11:30-12:30 a. m., Settin' Up hour.
WLIB, Chicago, Ill. (302.8m-990kc), 7:15-7:30 p. m., Drake concert ensemble; 7:30-8, WEAF; 9-10, 10:10-11, 12:30-1 a. m., Charles E. Erbstein and Fred Hamm's orchestra.
WLS, Chicago, Ill. (344.6m-870kc), 6:30 p. m., Elsie Mae Look, organist; 6:45, Maurie Sherman's College Inn orchestra; 7, Lullaby time, Elsie and Ralph; 7:15, University of Chicago, readings; 7:30, Al Melgard, organist; 8:10, Maurie Sherman's College Inn orchestra.
WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., "Your Week-End Trip," Cincinnati Automobile club; 7:10, piano memories, Adelaide Apfel; 7:30, Castle Farm dinner music; 8, Crosley Burnt Corkers, Musicone male quartet; 9, Formica symphony orchestra.
WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ recital; 6:30, Jack Chapman's orchestra; 8, Keith Preston book talk; 9, Madame Sturkow-Ryder, pianist; 9:30, orchestra.
WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon ensemble, Elizabeth Reohlk, cellist; Margaret Conrad, violinist; Preston Graves, pianist; Genevieve Burnham, coloratura soprano; 9-11, Trianon orchestra, Dell Lampe, Woodlawn theater orchestra, Armin F. Hand. Trianon ensemble, Mable Bagley, contralto; WMBB male trio, N. G. Harte, baritone; E. S. McGready, tenor; Bob Bennett.
WOK, Chicago, Ill. (217.3m-1380kc), 6-7 p. m., Tip-Top Inn string ensemble concert; 10-1:30 a. m., Tearney's Town club orchestra; Midway Garden orchestra;

Tuesday, July 27

Pershing Palace orchestra; Katz and his Kittens' orchestra; Capitol theater program.

WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9 p. m., "Ye olde tyme songe feste," with Roy Clark, Sally Simpkins, Jim Forshey, Mae Gamble, Claude Lee, Beth Garrison, Van Wyck's instrumental quartet; 9:30, Regent Grand orchestra; 9:45, Melissa Dvorak, pianist; 10:05, Salvation Army hour.

WRC, Washington, D. C. (468.5m-640kc), 7 p. m., New Willard hotel orchestra; 7:30, WJZ; 8, announced; 9, WJZ; 9:30, announced; 10:30, Meyer Davis' Le Paradis band.

WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., Gold Standard ensemble; Speed-Wagon serenaders; 8:15, Reo Motor Car company band.

WSAI, Cincinnati, Ohio (325.9m-920kc), 7:30 p. m., musicale; 8, WEAF; 9, musicale.

WSWS, Chicago, Ill. (275m-1090kc), 8 p. m., orchestra; Jean St. Ann, Clinton Keithley, songs; Eulalia Kober, pianist; Delores Diazanado, Walter Luis, baritone; 10, quintet; Billy Allan Hoff, Art Becker, pianist; Joe Caffey, tenor; Oscar Heather, tenor; 12 midnight, Witching hour.

WTAM, Cleveland, Ohio (389.4m-770kc), 6 p. m., State theater vaudeville; 7, WEAF; 10, studio program; 11, Euclid Beach Park orchestra.

WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7, WEAF.

Central Standard Time Stations

KFRU, Bristow, Okla. (374.8m-800kc), 6-9 p. m., Catfish string band.

KLDS, Independence, Mo. (440.9m-680kc), 8 p. m., studio recital, Clare Thompson, leading tenor in "Artists and Models," Edith Willis, pianist.

KMA, Shenandoah, Iowa (252m-1190kc), 9-11 p. m., May's mandolin musicians.

KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., Jacquinot Jules, organist; 7, KMOX Radio orchestra; 9:30, Bert Williams, Alma Rotter, J. L. Bischof; 10, Aus Russland.

KOIL, Council Bluffs, Iowa (277.6m-1080kc), 6:03 p. m., Mono Motor Oil entertainers; 7:30, Florence Bassler Palmer, director; 11, Hotsy-Totsy hour.

KPRC, Houston, Texas (296.9m-1010kc), 7:30 p. m., Skyline studio concert.

WBAP, Fort Worth, Texas (475.9m-630kc), 7:30-8:30 p. m., Clyde Massengale, baritone; Florence Massengale, pianist; 9:30-11, Wagner Hawaiian trio.

WFAA, Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m., Troy Floyd's orchestra; 8:30-9:30, Tom D. Collins presents Gibson mandolin and guitar club; 11-12, Jimmy Joy's orchestra.

WGBF, Evansville, Ind. (236m-1270kc), 7 p. m., musical program; 8, musical program.

WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., Cardinals.

WHB, Kansas City, Mo. (365.6m-820kc), 7-7:30 p. m., organ concert; 8-9:15, Ukulele songsters, Harry Taylor, Sam Martin; Mrs. Harry Taylor, pianist; Lillian Valentine, soloist.

WHO, Des Moines, Iowa (526m-570kc). 7:30-8 p. m., Philbreck and his Younker tea-room orchestra; 8-9, Bankers Life trio.

WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Tennessee Collegians.

WOAI, San Antonio, Texas (394.5m-760kc), 8:30 p. m., Gerbhardt Mexican players.

WOAW, Omaha, Nebr. (526m-570kc), 6:20 p. m., popular song period, Lillian Madsen; 6:50, orchestra; 9, George H. Lee company.

WSM, Nashville, Tenn. (282.8m-1060kc), 8 p. m., Mildred King, pianist; Edward Stockman, baritone.

Mountain Standard Time Stations

KFXF, Colorado Springs, Colo. (250m-1200kc), 7:30 p. m., R. Gratz Cox, free voice lesson; 8, Clifford Brown, tenor; Kenneth Brown, baritone; Dorothy Doty, mezzo-soprano; Virginia Marbut, pianist; 10-11:30, Bertram T. Wheatley, concert organist.

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Virginia ballroom orchestra; 8-9, Screen Artists string quartet; 9-10, Composers series program; 10-11, Packard Radio club.

KFWB, Hollywood, Calif. (252m-1190kc), 7-7:30 p. m., program, Morris and company; 7:30-8, program, White Auto company; 8-9, studio program; 9-10, program, American Brake Testing Machine company; 10-11, Warner Brothers frolic.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., Skaggs United Artists; 10-12 midnight, Herman Kenin's dance orchestra; Curt Kramer, pianist.

KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., weekly visit of Queen Titania and the Sandman; 7:40, talk on dogs; 8-10, Times de luxe program.

KNX, Hollywood, Calif. (336.9m-890kc), 7-7:45 p. m., program, Geo. E. Read, Inc.; 8-9, program, Builder's Finance association; 9-10, program, Western Auto Supply company; 10-12 midnight, Ray West's Cocoanut Grove dance orchestra.

Wednesday, July 28

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
8 p. m.	7	6	5	4

WEBJ (272.6m-1100kc), Dixie Daisy entertainers.

9:30	8:30	7:30	6:30	5:30

WCOA (222m-1350kc), Sacred Heart church choir.
WGHP (265.3m-1130kc), Novelty hand saw.

10	9	8	7	6

WOOD (241.8m-1240kc), Ye Olde Songe Feste.

11:30	10:30	9:30	8:30	7:30

KFI (467m-640kc), Detective story.

For stations silent tonight refer to first Wednesday's list.

Atlantic or Eastern Daylight Saving Time Stations

WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:45 p. m., Eddie Campbell's orchestra; 7:30, recital, N. Snellenburg and company; 8:10, Hotel Pennsylvania orchestra; 8:30, Miller piano period; 9, songs; 9:30, Lewis and Borelli, violin and piano; 9:45, Senator Hassenpfeffer; 9:50, Maurie Patton, tenor; 10:30, Zoehrns and Herscher, songs; 10:45, Frank Cook, old-time songs; 11, Artie Bittong's "Cheer-Ups."

WEAF, New York, N. Y. (491.5m-610kc), 4-12 midnight, dinner music, Synagogue service; Shinolas and the 2 in 1 Man; Davis' Saxophone octet; Ipana Troubadours; U. S. Army band, WCAP; light opera; orchestra.

WEBJ, New York, N. Y. (272.6m-1100kc), 8 p. m., Dixie Daisy entertainers; 8:45, Ben Ruty, Michael Sanio, Hawaiian guitar duets; 9, Irene Freeman, concert pianist; 9:15, Joseph Zablow, baritone; 9:30, Original Melville Five.

WGBS, New York, N. Y. (315.6m-950kc), 6:30 p. m., Fess Williams Savoy orchestra.

WHN, New York, N. Y. (361.2m-830kc), 7:30 p. m., Loew's Lexington organ recital; 9:10, Loew's New York orchestra; 9:30, Palisades Amusement Park orchestra; 10, Roseland dance orchestra; 11:30, Silver Slipper orchestra; 12, Cotton club orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 7, Uncle Wip's bedtime stories.

WIZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Hotel Madison concert orchestra; 8, Imperial Imps; 8:30, Stadium Philharmonic concert; 10:30, Hotel Astor Roof orchestra.

WLIT, Philadelphia, Pa. (394.5m-760kc), 7:30 p. m., Dream Daddy's bedtime stories; 8, recital; 8:30, Progress Paint company concert; 10, Arcadia dance orchestra.

WLWL, New York, N. Y. (288.3m-1040kc), 8:30 p. m., Hearthside Harmonizers of Lucerne.

WMAK, Buffalo, N. Y. (365.3m-1130kc), 6:30-7:15 p. m., dinner music, Hotel Lafayette; 7:30-8:15, Eastman theater orchestra; 8:15, Rochester studio, WHAM program.

WMCA, New York, N. Y. (340.7m-880kc), 6:30 p. m., Ernie Golden and his Hotel McAlpin orchestra; 7:30, Tappen's orchestra; 8, Furness entertainers; 8:30, Meister Homesteaders; 11, Jack Denny's orchestra; 11:30, Club Brighton orchestra; 12, McAlpin entertainers.

WNYC, New York, N. Y. (526m-570kc), 6 p. m., piano selections.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Sylvania dance orchestra; 8, WEAF; 10, Fox theater program; 10:30, Ritz Carlton dance orchestra.

WOR, Newark, N. J. (405.2m-740kc), 9 p. m., Pryor's band; 9:45, Monterey society orchestra; 10:45, Monterey concert orchestra; 11:15, Ben Bernie Berkeley Carteret grill.

Eastern Standard or Central Daylight Saving Time Stations

KYW, Chicago, Ill. (535.4m-560kc), 6:30 p. m., Joska DeBabary and his orchestra; Bittie-Benson orchestra; 7, American hour; 9-10:30, classical concert, Commonwealth Edison company; 10:30-12 midnight, Congress carnival.

WBBM, Chicago, Ill. (225.3m-1330kc), 5-6 p. m., Eddie Hansen, organist; 9-10, Jack Crawford's Alemite high pressure orchestra, "Hi and Si," Kay Ronayne, contralto; Frank Porter, tenor; Lee Sims, Smith and Ford, Alemite high pressure boys, Florence Sangor, pianist; 12 midnight, The Nutty club.

WENR, Chicago, Ill. (265.3m-1130kc), 6-7 p. m., Rauland lyric trio; 8-10, All-American Pioneers; 12-2 a. m., All-American Pioneers.

WGES, Chicago, Ill. (249.9m-1200kc), 8-9 p. m., Frank Sylvano, Louis Panico, orchestra, organ; 11-1 a. m., frolic.

WGHB, Clearwater, Fla. (265.3m-1130kc), 8:30-10 p. m., Caroline Lee, "The Virginia Girl" and her Spanish guitar; Frederick Charlton, one string violin, and novelty hand saw; Eldon McMullen, pianist.

WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert; 8:30, male quartet; 9-10, WGHP ensemble; 12-1 a. m., Gerald Marks' orchestra.

WGN, Chicago, Ill. (302.8m-990kc), 6:45-7 p. m., Drake concert ensemble; Blackstone string quintet; 8:30-9, musicale; 9-10, musicale; 10-10:10, Sam 'n' Henry; 10:10-10:20, Music Box; 10:20-10:30, studio program; 10:30-12:30 a. m., Pepper party.

WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., program, Eastman theater; 7:15, WHAM.

WJAZ, Chicago, Ill. (329.5m-910kc), 9-12 midnight, Mae Yeffall, violinist; Helen Jenkins, pianist; vocal selections, Alexander Nakutin studio; piano selections, Edwin J. Gemmer studio.

WJJD, Mooseheart, Ill. (370.2m-810kc), 4:45-7 p. m., Howard L. Peterson, organist; Palmer House symphony players; Compton's "I see by the newspaper" man; Palmer House Victorians; 7-9, music by children of all ages; solos, bands, etc.; 9-11, Palmer House Victorians; Isabel Defaut; R. V. Thomas; John Norton; 11:30-12:30 a. m., Settin' Up hour.

WLIB, Chicago, Ill. (302.8m-990kc), 7-7:05 p. m., Million sing; 7:05-7:15, Old-Fashioned Almanack; 7:15-7:30, dinner music; 7:30-7:50, Pattison Coates, baritone; Edward Barry, pianist; 7:50-8, Auld Sandy; 8-8:30, WEAF; 12:30-1 a. m., Ambrose Larsen, organist.

WLS, Chicago, Ill. (344.6m-870kc), 6:30 p. m., Elsie Mae Look, organist; 6:45, Maurie Sherman's College Inn orchestra; 7, Lullaby time, Elsie and Ralph; Rose Sherman, violinist and Marie Ludwig, harpist; 7:30, Al Melgard, organist; 8:10, Maurie Sherman's College Inn orchestra; 8:30, Midwest quartet in WLS barbershop; 9, WLS trio; 10, Medicine show with Kruger and Dillon, Tin Pan Alley.

WLW, Cincinnati, Ohio (422.3m-710kc), 8 p. m., organ concert, Johanna Grosse; 8:30, Stella Haugh, soprano; 9, Middletown, Ohio Ladies quartet; 9:30, the Latonia Melody boys; 10, the Cincinnati Post "Pink of Programs"; 11, Pages Royal Elk syncopators.

WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon duo, Monte Blunn, concert tenor; Eleanor Kaplan, violinist; Davida Boyd, whistler; Preston Graves, pianist; 9-11, Trianon orhcestra, Dell Lampe, Woodlawn theater orchestra, Armin F. Hand, Monte Blunn, tenor; Irene and Albert Patten, harmonica guitar duo, Clinton Keithley, tenor; Vail and Abbott, harmony duo.

WOK, Chicago, Ill. (217.3m-1380kc), 6-7 p. m., Tip-Top Inn string ensemble concert; 10-1:30 a. m., Tearney's Town club orchestra; Midway Gardens orchestra; Pershing Palace orchestra; Katz and his Kittens' orchestra; Capitol theater program.

WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9 p. m., popular program, "16-Fingered Paul," Moke Marrin, Helen Neuman, Jim Forshey, Ruth Glaser and Pearl Knudson, Sid Goldman, Ramona Gardens orchestra; Potter brothers, Van Wyck's instrumental quartet; 10:05, Paul Estabrook and studio artists.

WRC, Washington, D. C. (468.5m-640kc), 5-6:20 p. m., U. S. Marine band.

WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., Gold Standard ensemble; Speed-Wagon serenaders.

WRVA, Richmond, Va. (256.3m-1170kc), 8:50 p. m., violin ensemble with soloists; 9:30, organ recital, Robert J. Beadles, assisting soloists; 10:30, Carry Me Back to Old Virginny.

WSAI, Cincinnati, Ohio (325.9m-920kc), 6:45 p. m., chimes; 7, WEAF; 10, Congress Playing Card string quartet.

WSWS, Chicago, Ill. (275m-1090kc), 8 p. m., orchestra; Leola Aikman, ballads; Vesta Balch, Peter Grosso; John A. McFarland, bass; 10, Terrace Gardens quintet; Paul Davis, Jack Goodwin; Georgia Gray, violinist; 12 midnight, Witching hour.

WTAM, Cleveland, Ohio (389.4m-770kc), 6:15 p. m., Hotel Cleveland orchestra; 8, Public auditorium program.

WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7, WEAF; 7:30, Detroit News orchestra; 8, dance program; 9, Detroit News orchestra.

Central Standard Time Stations

KFRU, Bristow, Okla. (374.8m-800kc), 6-9 p. m., Radio trio, Mascho, Cunningham, Mascho.

KMA, Shenandoah, Iowa (252m-1190kc), 9-11 p. m., mixed musical program.

KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., Jacquinot Jules, organist; 7-8:30, KMOX Radio orchestra; 8:30-9:30, orchestra, Alice Maslin, reader; 9:30-11:30, orchestra; "A Night at an Inn," Lord Dunsany.

KPRC, Houston, Texas (296.9m-1010kc), 7:30 p. m., Skyline studio concert; 8:30, Mrs. T. J. Harling, mezzo.

KWCR, Cedar Rapids, Iowa (278m-1080kc), 9 p. m., recital.

WBAP, Fort Worth, Texas (475.9m-630kc), 7:30-8:30 p. m., Sorin-White orchestra; 9:30-11, Alice Patterson Duff.

WCOA, Pensacola, Fla. (222m-1350kc), 7 p. m., harmonica, ukulele, banjo and violin specialties, Howland trio; Gladys Villar, syncopated pianologue; A. C. Reilly, pianist; H. T. Howland, Jr., vocal and violin solos; Florida Footwarmers dance orchestra.

WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., K. & I. orchestra.

WHB, Kansas City, Mo. (365.6m-820kc), 10:30-11:30 p. m., midweek Radio feature.

WHO, Des Moines, Iowa (526m-570kc), 6-7 p. m., Bankers Life Little symphony orchestra; Myrtle Williams, soprano; 7-8, Philbreck and his Younker tea-room orchestra; 8-9, popular program; 9-11, dance program.

WOAI, San Antonio, Texas (394.5m-760kc), 8:30 p. m., Army night, Fort Sam Houston.

WOS, Jefferson City, Mo. (440.9m-680kc), 8:15 p. m., marimba solos, the Gondoliers.

WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., Andrew Jackson hotel trio; 8, studio program; 10, studio program.

Mountain Standard Time Stations

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra; 8, Scheuerman's Colorado orchestra; 8:15, violin pupils, Edith Sindlinger Wible; KOA orchestra; Mrs. Alex W. McCoy, soprano; Iris Ruth Gilmore, reader; James Mahaney, pianist.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-7:30 p. m., popular program; 7:30-8, Nick Harris detective story; 8-9, program, California Petroleum Corp.; 9-10, popular program; 10-11, program, Chas. Beauchamp, tenor and others.

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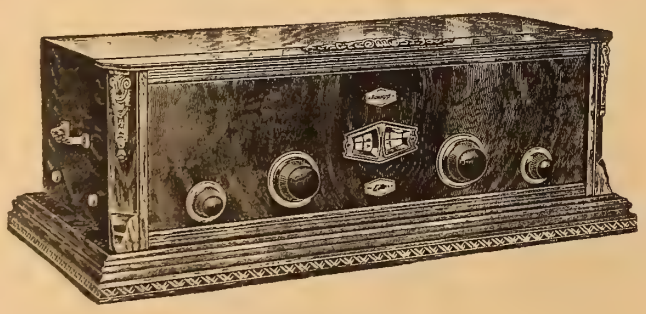

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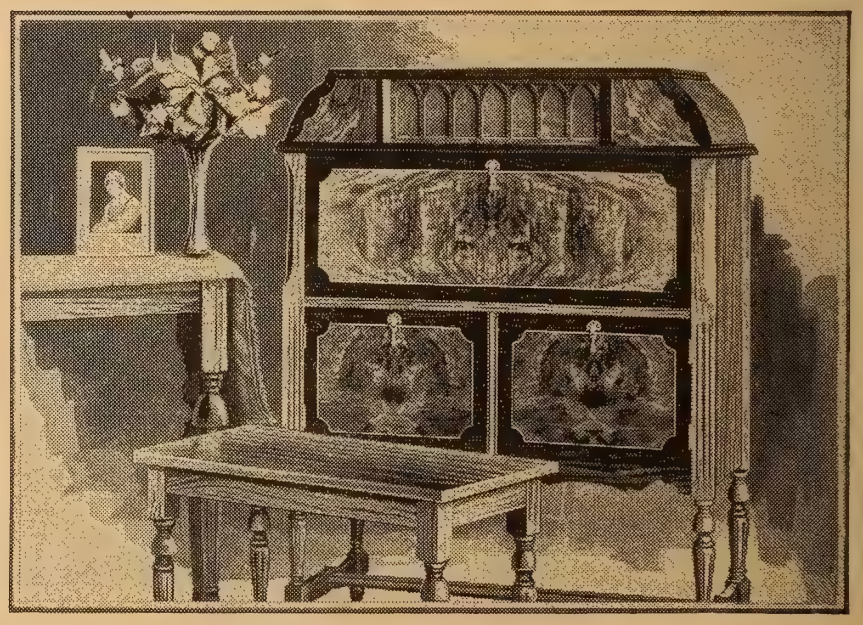

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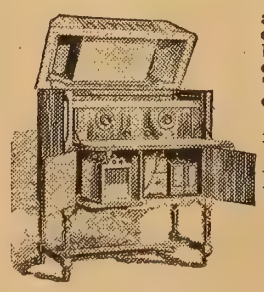
THE latest perfected style of wall console with tone chamber above the receiver space. The tone chamber is constructed of seasoned wood with metal throat. The design is such that pure, undistorted tone of full volume is assured.



The receiver compartment is equipped with adjustable panels so as to accommodate any set, the panel of which does not exceed 10½ x 32 inches in size. The battery compartment below the receiver space will easily accommodate charger, B batteries and A battery. The A battery sets on a leaf which pulls forward for easy filling or testing.

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Wednesday, July 28

KFWB, Hollywood, Calif. (252m-1190kc), 7:30-8 p. m., program, Corduroy Tire stores; 8-9, program, A. V. Shotwell Corp.; 9-10, studio program; 10-11, Warner Brothers frolic.
KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-9, Western Auto Supply company; 9-10, musicale.
KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., Uncle John and the children; 7:40, talk on astronomy; 8-10, Tower studio program.
KNX, Hollywood, Calif. (336.9m-890kc), 7-8 p. m., studio program; 8-9, program, Security Trust and Savings bank; 9-10, Motor Transit Stages program; 10-11, Edgewater club; 11-12 midnight, Ambassador hotel dance orchestra.

Thursday, July 29

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
9:30 p. m.	8:30	7:30	6:30	5:30

WHAS (399.8m-750kc), Sigma Alpha Iota sorority.

9:50	8:50	7:50	6:50	5:50

WRVA (256.3m-1170kc), Country fiddlers.

10	9	8	7	6

WLW (422.3m-710kc), Caroli Singers.

10:30	9:30	8:30	7:30	6:30

KWWG (277.8m-1080kc), Carlos Quardiola.
WFAA (475.9m-630kc), G. Haydn Jones and other artists.
WMC (499.7m-600kc), Cooper's Hawaiians.

11	10	9	8	7

WCAU (277.6m-1080kc), Club Cadix revue.

11:30	10:30	9:30	8:30	7:30

WBAP (475.9m-630kc), Allene Patterson Duff.

For stations silent tonight refer to first Thursday's list.

Atlantic or Eastern Daylight Saving Time Stations

CKNC, Toronto, Can. (356.9m-840kc), 8 p. m., Charles E. Bodley and his dance orchestra.
WBBR, New York, N. Y. (272.6m-1100kc), 8 p. m., Prof. Charles Rohner, violinist; Fred Twaroschk, tenor.
WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:30 p. m., Cathey Tea Garden orchestra; 7:30, Snellenburg instrumental trio; 8, Sadler's Plantation serenaders; 8:30, Clifton's Anglers; 9, Barry O'Moore, tenor; 9:45, Professor Doolittle; 10, recital; 10:15, Frank Worthington, baritone; 10:30, Eddie Campbell's Club Cadix orchestra; 11, Club Cadix revue.
WEAF, New York, N. Y. (491.5m-610kc), 4-12 midnight, midweek hymn; Meyer Davis' Park Lane orchestra; Serenaders; Hires Voyagers; Clicquot Club Eskimos; Silvertown Cord orchestra; Buffalodians.
WFI, Philadelphia, Pa. (394.5m-760kc), 7:15 p. m., Keystone Auto club feature; 8, recital; 8:15-11, WEAF.
WGBS, New York, N. Y. (315.6m-950kc), 6:30 p. m., music; 6:45, Arcadia orchestra; 8:30, Oliver Sayler, "Footlight and Lamplight"; 10:20, Arcadia orchestra.
WHAR, Atlantic City, N. J. (275m-1090kc), 8 p. m., Seaside hotel trio; 11, Follies Bergere dance orchestra.
WHN, New York, N. Y. (361.2m-830kc), 8 p. m., Will Oakland's chateau; 8:30, Loew's Gates theater orchestra; 9, Loew's 7th Ave. concert; 9:30, Loew's 83rd St. orchestra; 10:30, Leroy Smith's orchestra; 11:30, Everglades orchestra; 12, Sophie Tucker's playground.
WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 8, Hotel Ambassador orchestra; 8:30, Million Dollar Pier orchestra; 9, Hotel Ambassador concert orchestra; 10:30, Johnny Hamp's Kentuckians; 11, Hotel Shelburne dance orchestra; 11:30, Silver Slipper club dance orchestra.
WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Hotel Madison concert orchestra; 7:40, Judge, Jr.; 8, First National presentation, "The Great Deception," WRC; 8:30, U. S. Marine band, WRC, WGY, WCAD; 9:30, Royal Typewriter Salon orchestra; WGY, WRC, WCAD; 10:30, Fireside Boys; 11, Swanee orchestra, WRC.
WLIT, Philadelphia, Pa. (394.5m-760kc), 7:30 p. m., Benjamin Franklin concert orchestra.
WMCA, New York, N. Y. (340.7m-880kc), 7 p. m., Hofbrau Haus entertainers; 8, Roemers Homers; 9:30, Columbia Park entertainers; 11, Ernie Golden and his Hotel McAlpin orchestra; 12, Broadway night.
WNYC, New York, N. Y. (526m-570kc), 6:35 p. m., piano selections; 7:15, songs.
WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Adelphia Roof Garden orchestra.
WOR, Newark, N. J. (405.2m-740kc), 6:30 p. m., Hotel Bretton Hall string quartet.

Eastern Standard or Central Daylight Saving Time Stations

KYW, Chicago, Ill. (535.4m-560kc), 6:30 p. m., dinner concert; 7, Chicago Evening American studio; 8-9, "Twenty Minutes of Good Reading," Rev. C. J. Pernin; 9-10:30, Edison program; 10:30-12 midnight, carnival.
WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., dinner orchestra; 7:30-8, mixed quartet; 8-9, trio; John Wilbourn, tenor; 9-10, dance orchestra.
WBBM, Chicago, Ill. (225.3m-1330kc), 4-5 p. m., musical matinee, WBBM staff, other artists; 5-6, Eddie Hansen, organist; 8-9:30, Lee Sims, Kay Ronayne, contralto; "Hi and Si," Eunice Hoefer, organist; Alemite string trio, Jack Crawford's Alemite high pressure orchestra, Howard Osburn's Vanity Fair cafe orchestra; 9:30-10:15, Moss Covered melodies; 10:15-10:30, Izaak Walton hour; 10:30-11:30, First National violin ensemble, Lee Sims, Vic Fredericks, baritone; Maurice Silverman, tenor, and WBBM staff; 11:30-12 midnight, Howard Osburn's Vanity Fair cafe orchestra, Jack Crawford's Alemite high pressure orchestra.
WCBD, Zion, Ill. (344.6m-870kc), 9 p. m., celestial bells; Richard F. Hire, violinist; duets; Mrs. Isabel Nelson, soprano; J. L. Bishop, baritone; M. P. Barton, tenor.
WENR, Chicago, Ill. (265.3m-1130kc), 6-7 p. m., Rauland lyric trio; 8-10, All-American Pioneers.
WGES, Chicago, Ill. (249.9m-1200kc), 8-9 p. m., Joe Morrison, Esther Richards, Frank Sylvano, Peggy O'Neill, Louis Panico, orchestra; 11, frolic.
WGHB, Clearwater, Fla. (265.3m-1130kc), 8:30-10 p. m., Capitol theater orchestra.
WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert; 10-11, WGHP Frolickers, Winifred Huntoon, soprano; 11-12 midnight, Skylark dance band; 12-1 a. m., Gerald Marks' orchestra.
WGN, Chicago, Ill. (302.8m-990kc), 6:45-7 p. m., request program; 8-9, WEAF; 9-10, WEAF; 10:10-10:20, Music Box; 10:20-10:30, great moments, grand opera; 10:30-11, WGN's studio ensemble.
WGY, Schenectady, N. Y. (379.5m-790kc), 6:45-7:30 p. m., Ruth Feinburg, pianist; 7:30-8:30, WRC; 8:30-9:30, Royal hour; 9:30-10:30, musical program; 10:30-11:30, Stephen E. Boisclair, organist.
WHAR, Atlantic City, N. J. (275m-1090kc), 8 p. m., Seaside hotel trio; 9, concert; 11, Follies Bergere dance orchestra.
WJAZ, Chicago, Ill. (329.5m-910kc), 9-12 midnight, program of classical music, Zenith artists.
WJJD, Mooseheart, Ill. (370.2m-810kc), 4:45-7 p. m., Howard L. Peterson, organist; Palmer House symphony players; Compton's "I see by the newspaper" man; Palmer House Victorians; 7-9, music by children of all ages; solos, bands, etc.; 9-11, Palmer House Victorians; WJJD quartet; 11:30-12:30 a. m., Knights of the Burning Candle.
WLIB, Chicago, Ill. (302.8m-990kc), 7:15-8 p. m., dinner music; 11-11:20, Correll and Gosden; 11:20-1 a. m., Liberty studio ensemble; Fred Hamm's orchestra.
WLS, Chicago, Ill. (344.6m-870kc), 6:30 p. m., Elsie Mae Look, organist; 6:45, Maurie Sherman's College Inn orchestra; 7, Lullaby time, Elsie and Ralph; 7:15, Rose Sherman, violinist; Marie Ludwig, harpist; 7:30, Al Melgard, organist; 8:10, Maurie Sherman's orchestra.
WLW, Cincinnati, Ohio (422.3m-710kc), 6:15 p. m., Norrine Gibbons, Priscilla Holbrook, singers; 7, Hotel Gibson orchestra; 8, recital, operatio program, faculty members, Cincinnati Settlement school; 9, New Castle Apollo club; 10, Theis' Castle Farmers orchestra; 10:30, Irene Downing, Tommy Reynolds; 11, Lazarros Imperial serenaders.
WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ recital; 6:30, Jack Chapman's orchestra; 9, Flora Hardie Burditt, contralto; 9:30, Jack Chapman's orchestra.
WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon ensemble, Elizabeth Reohlk, cellist; Margaret Conrad, violinist; Preston Graves, pianist; and special artists in program of music featuring French composers; 9-11, Trianon orchestra, Dell Lampe, Woodlawn theater orchestra, Armin F. Hand, Trianon ensemble, John Stamford, tenor; Joe Parson, baritone; Bob Smith, ukulele; Bob Bennett.
WOK, Chicago, Ill. (217.3m-1380kc), 6-7 p. m., string ensemble concert, Tip-Top Inn; 10-1:30 a. m., Tearney's Town club orchestra; Midway Gardens orchestra; Pershing Palace orchestra; Katz and his Kittens' orchestra; Capitol theater program.
WRC, Washington, D. C. (468.5m-640kc), 7 p. m., WJZ; 7:30, U. S. Marine band; 9, Royal Salon orchestra; 9:30, WRC players; 10:30, Meyer Davis' Swanee syncopators.
WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., Gold Standard ensemble; Speed-Wagon serenaders; 8:15, WREO concert orchestra.
WRVA, Richmond, Va. (256.3m-1170kc), 8:50 p. m., Edgeworth evening of fun, frolic, music, country fiddlers, negro chorus, etc.; 11, Carry Me Back to Old Virginny.
WSAI, Cincinnati, Ohio (325.9m-920kc), 7:30-10 p. m., WEAF.
WSWS, Chicago, Ill. (275m-1090kc), 10 p. m., Blues concert; 11, orchestra; musical readings; 12 midnight, Witching hour.
WTAM, Cleveland, Ohio (389.4m-770kc), 6 p. m., dinner concert; 7:15-9, WEAF; 9, studio program; 11, Jack Horwitz Collegian serenaders.
WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7, WEAF.

Central Standard Time Stations

KFKX, Hastings, Nebr. (288.3m-1040kc), 9 p. m., musical program, Lincoln, Nebr.
KFRU, Bristow, Okla. (374.8m-800kc), 6-9 p. m., guest artist night.
KLDS, Independence, Mo. (440.9m-680kc), 8 p. m., studio program arranged, Mrs. Corrine Haines French, soprano.
KOIL, Council Bluffs, Iowa (277.6m-1080kc), 6:03 p. m., KMA; Jamieson Oil trio, Lou Reimers, ukulele, Janet Reeves, soprano; 7, auspices program, G. H. Nelson Paint company; 8, Hazel Belt, director; 11, Hotsy-Totsy hour.
KPRC, Houston, Texas (296.9m-1010kc), 7:30 p. m., Skyline studios.
KWWG, Brownsville, Texas (277.6m-1080kc), 8:30-8:45 p. m., Carlos Quardiola, jazz pianist; 8:45-9, Annie Tucker, soprano; 9-9:30, P. K. McNair, tenor; Carlotta Villereal, Mexican songs; 12-1 a. m., novelty and jazz.
WBAP, Fort Worth, Texas (475.9m-630kc), 7:30-8:30 Panther Hawaiian trio; 9:40-11, Mineral Wells Chamber of Commerce.
WFAA, Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m., Jimmy Joy's orchestra; 8:30-9:30, Col. Bill Cole.
WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., concert, Sigma Alpha Iota sorority.
WHB, Kansas City, Mo. (365.6m-820kc), 7-7:30 p. m., organ concert; 8-9:30, K. C. Artists' quintet.
WHO, Des Moines, Iowa (526m-570kc), 7:30-8 p. m., Philbreck and his Younker tea-room orchestra; 8-9, Bankers Life trio.
WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Cooper's Hawaiians.
WOAI, San Antonio, Texas (394.5m-760kc), 8:30 p. m., Mistletoe Melody Maids.
WOAW, Omaha, Nebr. (526m-570kc), 6 p. m., Elks organ; 6:25, Francis Potter; 6:50, orchestra; 9, classical.

Mountain Standard Time Stations

KFXF, Colorado Springs, Colo. (250m-1200kc), 9 p. m., Howard Hembrey, pianist; John Otten, tenor; Mrs. Leo Conway, pianist.
KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Knights of Ye Knotes; Duncan Sisters from Topsy and Eva; 8-9, semi-classical program; 9-10, popular song hour; 10-11, Patrick-Marsh dance orchestra; Betty Patrick.
KFWB, Hollywood, Calif. (252m-1190kc), 7-7:30 p. m., program, O'Neal and Son; 8-9, program, McGavin Brothers Bakeries; 9-10, Bill Hatch and his orchestra; 10-11, Warner Brothers frolic.
KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 9-10, vaudeville entertainment; 10-12 midnight, Spanish ballroom.
KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., Uncle John and the children; 7:40, talk on health; 8-10, Zoellner string quartet.
KNX, Hollywood, Calif. (336.9m-890kc), 7-8 p. m., program, Wright, Alexander and Greeley; 8-9, Willys-Overland dealers' program; 9-10, Balboa Beach Nuts; 10-11, Edgewater club; 11-12 midnight, Ambassador hotel dance orchestra.

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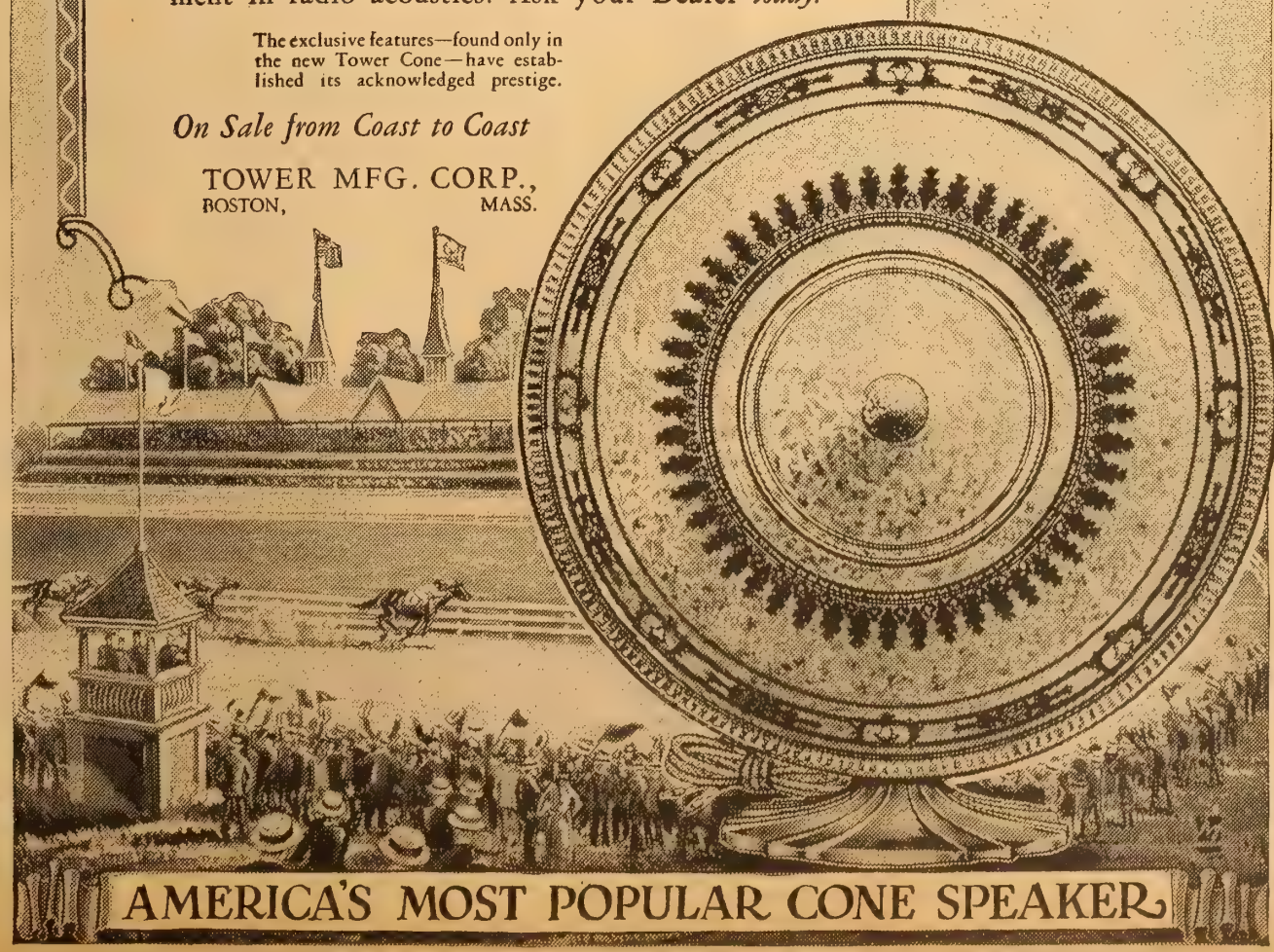

AMERICA'S MOST POPULAR CONE SPEAKER

Friday, July 30

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
9:30 p. m.	8:30	7:30	6:30	5:30

KOIL (277.6m-1080kc), Lucille's Midnight syncopators.
WCOA (222m-1350kc), Neapolitan serenaders.

10	9	8	7	6

KOA (322.4m-930kc), Denver municipal band.

10:20	9:20	8:20	7:20	6:20

WOS (440.9m-680kc), Big Four string band.

11	10	9	8	7

WGHP (270.1m-1110kc), Skylark dance band.

12 m.	11	10	9	8

KMOX (280.2m-1070kc), Opera presentation.

2 a. m.	1	12 m.	11	10

KFI (467m-642kc), Betty Patrick.

For stations silent tonight refer to first Friday's list.

Atlantic or Eastern Daylight Saving Time Stations

CNRA, Moncton, Canada (322.4m-930kc), 9 p. m., French program, John Malenfant, director; 11, CNRA dance orchestra.

CNRT, Toronto, Canada (356.9m-840kc), 10 p. m., Radio Raiders.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:45 p. m., Hotel Pennsylvania concert orchestra; 7:30, Snellenburg instrumental trio; 8, Jackson's Whippets; 8:30, The Singing Groundhog; 8:45, Dwight Strickland, "poetician"; 9, Regina Crooners; 9:15, Nasco Jolly Four; 9:45, Jack and Jill, songs; 10, recital; 10:30, Jack Myers' Musical Architects.

WEAF, New York, N. Y. (491.5m-610kc), 4-12 midnight, dinner music; La France orchestra; Whittall Anglo-Persians; orchestra.

WEBJ, New York, N. Y. (272.6m-1100kc), 7 p. m., Blue Bell serenaders; 7:30, Luna's Knickerbocker grill orchestra; 8, William Bisignano, accordion; 8:15, Philip Krumholtz; 8:30, Luna's Marine band.

WFI, Philadelphia, Pa. (394.5m-760kc), 3 p. m., recital, Sesquicentennial studio.

WHAR, Atlantic City, N. J. (275m-1090kc), 8 p. m., Seaside hotel trio.

WHN, New York, N. Y. (361.2m-830kc), 7 p. m., Country club orchestra; 7:30, Treasureland Neighbors; 9:30, Palisades Amusement Park orchestra; 10, Roseland dance orchestra; 10:30, Strand Roof orchestra; 11:30, Club Alabam orchestra; 12, Silver Slipper orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 7, Uncle Wip's bedtime stories.

WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., George Olsen's Hotel Pennsylvania Roof orchestra; 8, Florida Sunshine hour; 9, Sundial Shoe serenaders, Bonnie Laddies; 10:30, Harold Stern's Hotel Bellevue-Stratford Roof orchestra.

WLIT, Philadelphia, Pa. (394.5m-760kc), 8 p. m., recital; 8:15, Pioneer Storage Battery company entertainers; 9, Schickerling artists; 10, Morning Glory club concert; 10:30, Rufus and Rastus; 11, Freshman Masterpiece Radio hour.

WMAK, Buffalo, N. Y. (265.3m-1130kc), 6:30-7:15 p. m., dinner music, Hotel Lafayette orchestra; 7:30-8:15, Buffalo Athletic club; 8:15-10:30, play, WGY players, broadcast jointly with WGY; 10:30-11:30, University Terrace serenaders, Bernard N. Hyman.

WMCA, New York, N. Y. (340.7m-880kc), 6:30 p. m., Ernie Golden and his Hotel McAlpin orchestra; 8:45, Broadway association; 9, Paul Whiteman's Picadilly players; 9:30, Klein's Serenading Shoemakers; 10, Norman Pearce, readings; 11, Jack Denny's orchestra; 11:30, Club Brighton orchestra; 12, McAlpin Entertainers.

WNYC, New York, N. Y. (526m-570kc), 6 p. m., piano selections.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Sylvania dance orchestra; 8, WOO orchestra; 9, WEAF; 9:25, Fox theater program; 10, WEAF; 11, Sylvania dance orchestra.

WOR, Newark, N. J. (405.2m-740kc), 6:30 p. m., Jacques Jacobs Hotel Shelton ensemble.

Eastern Standard or Central Daylight Saving Time Stations

KYW, Chicago, Ill. (535.4m-560kc), 8 p. m., Edison program; 10:30-12 midnight, Congress carnival.

WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., dinner orchestra; 7:30-8, Howard R. Thatcher, organist; 8-9, instrumental and vocal soloists; 9-10, City Park Orchestra of Baltimore.

WBBM, Chicago, Ill. (225.3m-1330kc), 5-6 p. m., Eddie Hansen, organist; 8-9, Safety play period; 9-10, Glee club harmony four, Kay Ronayne, contralto; Lee Sims, "Hi and Si," Jack Crawford's Alemite high pressure orchestra, Howard Osburn's Vanity Fair cafe orchestra, Eunice Hoefer, organist.

WENR, Chicago, Ill. (265.3m-1130kc), 6-7 p. m., Rauland lyric trio; 8-9, Moody Bible Institute evening hour; 9-10, Arthur Dunas popular program; 12-2 a. m., All-American Pioneers.

WGES, Chicago, Ill. (249.9m-1200kc), 8-9 p. m., Joie Walsh, Frank Hayes, W. Remington Welch, organ; Casey and Gervais; 11-1 a. m., Peggy O'Neill, Esther Richards.

WGHB, Clearwater, Fla. (265.3m-1130kc), 8:30-10 p. m., Frederick Hubbard, organist.

WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert; 10-11, WGHP entertainers; 11-12 midnight, Skylark dance band; 12-1 a. m., Gerald Marks' orchestra.

WGN, Chicago, Ill. (302.8m-990kc), 6:45-7 p. m., Drake concert ensemble, Blackstone string quintet; 7-7:05, Million sing; Old-Fashioned Almanack; 7:15-8, Paul Ash's orchestra; 8-8:30, musical program; 8:30-9, Curfew Capers; 9-9:30, WEAF; 9:30-10, Phantom violinist; 10:10, Music Box; 10:22-11, WGN studio ensemble.

WGY, Schenectady, N. Y. (379.5m-790kc), 6:35-7:15, WGY orchestra program; 7:15, "Her Great Marriage," comedy, WGY players; 9:30, musical program.

WHAR, Atlantic City, N. J. (275m-1090kc), 8 p. m., Seaside hotel trio.

WJAZ, Chicago, Ill. (329.5m-910kc), 9-12 midnight, The Quips that Pass in the Night; Jennie Maitland, contralto; Frank Morgan, tenor; Loring Hettler, violinist; Chez Pierre Hawaiian quartet.

WJJD, Mooseheart, Ill. (370.2m-810kc), 4:45-7 p. m., Howard L. Peterson, organist; Palmer House symphony players, Compton's "I see by the newspaper" man; Palmer House Victorians; 7-9, music by children of all ages; solos, bands, etc.; 9-11, Palmer House Victorians; Jean St. Anne; 11:30-12:30 a. m., Settin' Up hour.

WLIB, Chicago, Ill. (302.8m-990kc), 11-11:20 p. m., Correll and Gosden; 11:20-1 a. m., Liberty studio ensemble; Ambrose Larsen, organist; Drake hotel dance orchestra; Fred Hamm's orchestra.

WLS, Chicago, Ill. (344.6m-870kc), 6:30 p. m., Elsie Mae Look, organist; 6:45, Maurie Sherman's College Inn orchestra; 7, Lullaby time, Elsie and Ralph; 7:15, Rose Sherman, violinist; Marie Ludwig, harpist; 7:30, Al Melgard, organist; 8:10, Maurie Sherman's College Inn orchestra; 8:30, Grace Wilson, contralto; 10, popular music program; 11, Ralph Emerson, organist.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ recital; 8, George Simons, tenor; 8:30, Whitney trio; 9:30, Jack Chapman's orchestra.

WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon duo; WMBB male trio; Vella Cook, contralto; N. G. Harte, baritone; E. S. McCready, tenor; 9-11, Trianon orchestra, Dell Lampe, Woodlawn theater orchestra, Armin F. Hand, male trio, Kreuger and Dillon, "The Banjo Barons," Cecil and Esther Ward, Hawaiian guitar duo, John Sheppard, tenor.

WOK, Chicago, Ill. (217.3m-1380kc), 6-7 p. m., Tip-Top Inn string ensemole concert; 10-1:30 a. m., Tearney's Town club orchestra; Midway Garden orchestra; Pershing Palace orchestra; Katz and his Kittens' orchestra; Capitol theater program.

WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9 p. m., classical concert; Van Wyck's instrumental quartet; 10:10, Ramona Radio Revelry, Ramona Gardens orchestra.

WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., Gold Standard ensemble; Speed-Wagon serenaders.

WRVA, Richmond, Va. (256.3m-1170kc), 7 p. m., Hotel Richmond orchestra; 8:15, studio program; 10, Golden Gate syncopators orchestra; 11, Carry Me Back to Old Virginny.

WSWS, Chicago, Ill. (275m-1090kc), 8 p. m., orchestra; East Chicago community quartet; 10, quintet; Ruth Boutay, blues singer; Harry Davis; 12 midnight, Witching hour.

WTAM, Cleveland, Ohio (389.4m-770kc), 6:30 p. m., Hotel Cleveland orchestra; 8, Euclid Beach Park orchestra; 9, WEAF; 9:30, Hawaiian program; 11, Euclid Beach Park orchestra.

WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 8, Detroit News orchestra; 9, WEAF.

Central Standard Time Stations

KFKX, Hastings, Nebr. (288.3m-1040kc), 7 p. m., song, "The Lazy Farmer"; 9, musical program, Hotel Clarke studio.

KFRU, Bristow, Okla. (374.8m-800kc), 6-9 p. m., Josephine Storey-White.

KMA, Shenandoah, Iowa (252m-1190kc), 9-11 p. m., Essex, Iowa, band.

KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., Jacquinot Jules, organist; 7, Frank Suda, Erwin Thurman, Buster Brown; 8, KMOX Radio orchestra; 9, orchestra; Eva Sirwell, Bill Snyder; 9:30, Bamalogue; 10, KMOX staff.

KOIL, Council Bluffs, Iowa (277.6m-1080kc), 7:30 p. m., Lucille's midnight syncopators; 11, Hotsy-Totsy hour.

KWCR, Cedar Rapids, Iowa (278m-1080kc), 9 p. m., entertainment.

WBAP, Fort Worth, Texas (475.9m-630kc), 7:30-8 p. m., Sunday school lesson; 8-8:30, Vesper symphony; 9:30-11, Hired Hand's Little symphony.

WCOA, Pensacola, Fla. (222m-1350kc), 7 p. m., Wildcats from jazzland, Pensacola jazz band; Dr. C. J. Heinberg, violinist; Frances Keen Villat, vocalist; Harry Davis, tenor; Billie Burke, ukulele soloist; Sid Nichols, pianist; Frank Marchesi, clarinetist; old-time love serenade in romance, Neapolitan serenaders.

WFAA, Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m., Ford's Texas Trumpeters; 8:30-9:30, G. Haydn Jones.

WGBF, Evansville, Ind. (236m-1270kc), 7 p. m., Lincoln-Ford orchestra program; 8, musical program.

WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., concert, James Boyer, director.

WHB, Kansas City, Mo. (365.6m-820kc), 7-8 p. m., Sweeney Radio orchestra.

WHO, Des Moines, Iowa (526m-570kc), 7:30-8 p. m., Philbreck and his Younker tea-room orchestra; 8-9, musicale; 11-12, orchestra.

WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Hotel Gayoso orchestra; 11, Bob Miller.

WOAI, San Antonio, Texas (394.5m-760kc), 8:30 p. m., San Antonio College of Music.

WOAW, Omaha, Nebr. (526m-570kc), 6 p. m., music review; 6:30, orchestra; 9, Puritan hour.

WOS, Jefferson City, Mo. (440.9m-680kc), 8:20 p. m., Big Four string band.

WSM Nashville, Tenn. (282.8m-1060kc), 7 p. m., Andres Jackson hotel trio; 8, Peabody ensemble singers; 10, Mrs. Daisy Hoffman, pianist; 10:30, F. Arthur Henkel, organist.

Mountain Standard Time Stations

KFXF, Colorado Springs, Colo. (250m-1200kc), 8 p. m., Juvenile program.

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra; 7:30, Rev. William O. Rogers; 8, Denver Municipal band.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., dance music; 8-9, Aeolian organ; 9-10, Harry Decker's Hawaiians; 10-11, Packard ballad hour.

KFWB, Hollywood, Calif. (252m-1190kc), 6-7 p. m., Pontiac Six dinner hour; 8-9, program, John Wright, The Right Tailor; 9-10, studio program; 10-11, Warner Brothers frolic.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-9, concert; 10:30-12 midnight, Hoot Owls.

KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., Uncle John and the children; 8-10, Times de luxe program; 10-11, Clement's Super-six orchestra.

KNX, Hollywood, Calif. (336.9m-890kc), 7-8 p. m., Loftus Land company program; 8-9, Jell-X-Cell program; 9-10, Order of Optimistic Donuts; 10-11, Hollywood American Legion fights; 11-12 midnight, Ambassador hotel dance orchestra.

Saturday, July 31

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
7 p. m.	6	5	4	3

WEBJ (272.6m-1100kc), Blue Bell serenaders.

7:25	6:25	5:25	4:25	3:25

WJZ (454.3m-660kc), WRC (468.5m-640kc), WGY (379.5m-790kc), New York Philharmonic.

9	8	7	6	5

CFCA (356.9m-840kc), CFCA's Summer orchestra.
WOR (405.2m-740kc), Newark Philharmonic band.

10:30	9:30	8:30	7:30	6:30

WFAA (475.9m-630kc), Ray Jones orchestra and singers.
WMC (499.7m-600kc), Walter Moore.

12 m.	11	10	9	8

WOAW (526m-570kc), Organ jubilee.

1 a. m.	12 m.	11	10	9

WSAI (325.9m-920kc), Latonia Melody boys.

For stations silent tonight refer to first Saturday's list.

Atlantic or Eastern Daylight Saving Time Stations

CFCA, Toronto, Can. (356.9m-840kc), 9 p. m., CFCA's summer orchestra.

WEBR, New York, N. Y. (272.6m-1100kc), 8 p. m., Joseph Bonaccorso, violinist; Forrest J. Kleinhans, baritone.

WEAF, New York, N. Y. (491.5m-610kc), 4-12 midnight, orchestra; musical comedy hits; Goldman band concert; Ben Bernie's orchestra.

WGBS, New York, N. Y. (315.6m-950kc), 7:45 p. m., Arcadia orchestra; 10:30, Arrowhead Inn dance orchestra.

WHAR, Atlantic City, N. J. (275m-1090kc), 8 p. m., Seaside hotel trio.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 8:15, Hotel Ambassador orchestra; 9, Hotel Traymore orchestra; 9:45, Emmet Welch's Minstrels; 10:15, Garden Pier dance orchestra; 10:45, Ted Weems' Novelty dance orchestra; 11:30, Hotel Shelburne dance orchestra.

Equal Amplification At All Wavelengths! —*the Equamatic System*

A simple and positive method of automatically equalizing and balancing all radio circuits at all broadcasting wavelengths has been the aim of radio engineers since the inception of radio receiving.

This aim is now realized in the Equamatic System

1. The Equamatic System gives maximum and equal sensitiveness and amplification over the entire tuning range.
2. It develops greater selectivity without distortion or loss of harmonics.
3. It assures perfect balance on all wavelengths without employing "losser" methods.
4. It accomplishes greater effective wavelength range for any given inductances and condensers.
5. It conserves the life of "A" and "B" batteries.
6. It simplifies operation of all sets by perfect synchronization of the first dial with the others.
7. It eliminates fundamental wavelength antenna absorption.
8. It provides simple adjustment to meet varying conditions, permitting perfect balance of tubes, antenna, and associated apparatus.

EKROTH LABORATORIES REPORT—

states they find that the Equamatic System "possesses greater average amplification, selectivity, sensitivity, and freedom from distortion than those of the present leading types of commercial radio receivers, and, further, that these advantageous features are maintained equal in value at all frequencies within the full broadcasting range."

The essential parts for the building of an Equamatic receiver are made by Karas Electric Company, manufacturers of the well-known Orthometric condenser, the Harmonik transformer and Micrometric dial. A booklet fully explaining the Equamatic System, what it accomplishes and how it does it, will be sent on receipt of 10c in coin or stamps.

KARAS ELECTRIC CO.
FACTORY: N. ROCKWELL ST.
Offices: 1040 Association Bldg., Chicago

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A RADIO TUBE that is non-microphonic — won't short. Sold in matched units; tested, balanced and plainly marked detector, radio frequency or audio frequency.

Ask your dealer for this new and better radio tube that costs no more. If he can't supply you with Televocals, send us his name and address on attached coupon.

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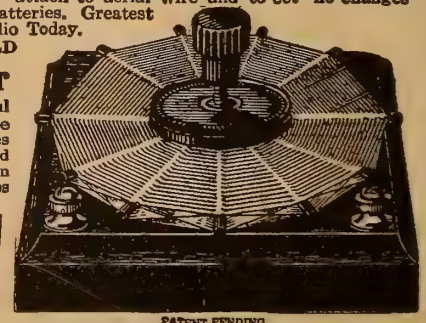
Steinite Low Loss Interference Eliminator

No Radio Set Complete Without It

Select stations at will. With music and voices crowding the air the average set fails to bring in the desired stations properly. The ***Steinite Interference Eliminator*** shuts out local and other interference. You get one station at a time, the one you want, and tune in loud and clear. Operates on any set—attach to aerial wire and to set—no changes—no extra tubes or batteries. Greatest Dollar Value in Radio Today.
OVER 300,000 SOLD

Improved Results With Tube or Crystal Try entirely at my risk the wonderful improvement this inexpensive little device will make in the reception of your set. Improves results on both crystal and tube sets that use any kind of aerial except loop antenna. Clears up reception wonderfully, increases volume, and partially absorbs static. ***MONEY-BACK GUARANTEE.***

Mfrs. Famous 1,500-Mi. Steinite 1-Tube set **$6.** Long distance Crystal Set, **$6.** Steinite Crystals, **50c—3 for $1.** Write for complete illustrated literature on all Steinite Radio Products.



PATENT PENDING.

Put this interference eliminator on your set and note amazing improvement. No tools needed—install in a moments time. Connect with set and follow simple instructions. Money back promptly if not delighted. $1.00 postpaid anywhere in U. S. when cash with order.

$1 Postpaid If you are not delighted with results you get your dollar back

References: Exchange National Bank, Atchison Savings Bank. Order today—a dollar bill will do.

STEINITE LABORATORIES, 261 Radio Bldg., ATCHISON, KANSAS

Saturday, July 31

WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Harry Leonard's Waldorf-Astoria Roof orchestra; 8:25, Stadium Philharmonic concert, WRC; 10:30, Hotel Astor Roof orchestra.
WMAK, Buffalo, N. Y. (265.3m-1130kc), 6:30-7:15 p. m., dinner music, Hotel Onondaga; 7:30-8:30, musical program, Shea Buffalo theater; 8:30-11:30, musical program.
WMCA, New York, N. Y. (340.7m-880kc), 7 p. m., Tappen's orchestra; 8, musical program; 11, Ernie Golden and his Hotel McAlpin orchestra; 12, McAlpin entertainers.
WNYC, New York, N. Y. (526m-570kc), 7 p. m., piano selections; 7:15, songs.
WOR, Newark, N. J. (405.2m-740kc), 6:30 p. m., Jacques Jacobs Hotel Shelton ensemble; 7:30, Oreste's Queensland orchestra; 8, Klein's Serenading Shoemakers; 9, Newark Philharmonic band; 10, Berkeley Carteret orchestra; 10:30, Monterey society orchestra; 11, Ben Bernie's orchestra.

Eastern Standard or Central Daylight Saving Time Stations

KYW, Chicago, Ill. (535.4m-560kc), 7 p. m., music hour; 8, Congress hotel studio; 9-10:30, classical program; 10-11:30, classical concert; 10:30-12 midnight, carnival.
WBBM, Chicago, Ill. (225.3m-1330kc), 5-6 p. m., Eddie Hansen, organist; 8-9:30, Pullman Porters' quartet, Lee Sims, Eunice Hoefer, organist, "Hi and Si," Alemite string trio, Fred L. Jeske, baritone; Kay Ronayne, contralto; 9:30-10, Moss Covered melodies; 10-11:30, Fred L. Jeske, baritone; Florence Sangor, pianist; Smith and Ford, Alemite high pressure orchestra; Howard Osburn's Vanity Fair cafe orchestra; Eunice Hoefer, organist; Lee Sims; 11:30-2 a. m., Pullman Porters' quartet, Jack Crawford's Alemite high pressure orchestra, Howard Osburn's Vanity Fair cafe orchestra, WBBM staff artists.
WENR, Chicago, Ill. (265.3m-1130kc), 6-7 p. m., Rauland lyric trio; 8-9, popular program; 9-10, All-American Pioneers; 12-2 a. m., midnight frolic.
WGES, Chicago, Ill. (249.9m-1200kc), 8-9 p. m., organ, Frank Sylvano, Louis Panico, orchestra; 11-1 a. m., Bobby Lee, Ned Santry, Joe Morrison, Al Bernstein, Louis Panico, ballroom orchestra.
WGY, Schenectady, N. Y. (379.5m-790kc), 6:30-7:30 p. m., WMAK; 7:30, WJZ; 9:30, Hotel Sagamore, dance orchestra, WHAM.
WHAR, Atlantic City, N. J. (275m-1090kc), 8 p. m., Seaside hotel trio.
WJAZ, Chicago, Ill. (329.5m-910kc), 9-1 a. m., Elmer Winthrop, baritone; James Harvard, cellist; Avery McIntyre, pianist; Marie Wright, soprano; Harry Davis, baritone; Chez Pierre Hawaiian quartet.
WJJD, Mooseheart, Ill. (370.2m-810kc), 4:45-7 p. m., Howard L. Peterson, organist; Palmer House symphony players; Compton's "I see by the newspaper" man; Palmer House Victorians; 7-9, Isabel Defaut; Palmer House Victorians; Simeon Oliver; 9-11, Isabel Defaut; Cook Sisters; 11-1 a. m., Settin' Up hour; Palmer House Victorians; Jack Nelson.
WLIB, Chicago, Ill. (302.8m-990kc), 7:15-7:30, p. m., dinner music; 7:30-8, Drake concert ensemble; Pattison Coates, baritone; 11-11:20, Correll and Gosden; 11:20-1 a. m., Liberty studio ensemble; Ambrose Larsen, organist; Drake hotel dance orchestra.
WLS, Chicago, Ill. (344.6m-870kc), 6:30 p. m., Elsie Mae Look, organist; 7, Lullaby time, Elsie and Ralph; 7:15-1 a. m., National barn dance with fiddlers and callers; Maurie Sherman's orchestra; Ralph Emerson, organist; WLS Twin Wheeze.
WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., organ concert, Johanna Grosse; 7:30, meeting, Sekatary Hawkins Radio club; 8, Johanna Grosse; 8:30, Uncle Charlie Warner's Coon Dog orchestra in an "Old Fiddlers Revival"; 9, Henry Theis' Castle Farmers.
WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, orchestra; 8, Daw and Pratt; 8:30, photologue; 9, Chicago theater Radio revue.
WMBB, Chicago, Ill. (249.9m1200kc), 7-8 p. m., Trianon ensemble, Elizabeth Reohlk, cellist; Margaret Conrad, violinist; Preston Graves, pianist; Frank Bordner, baritone; Franklin Kidd, tenor; 9-11, Trianon orchestra; Dell Lampe, Woodlawn theater orchestra, Armin F. Hand, Trianon ensemble, Clinton Keithley, tenor; Mable Bagley, contralto; John Norton, Harmonica specialty, Bob Bennett.
WOK, Chicago, Ill. (217.3m-1380kc), 6-7 p. m., Tip-Top Inn string ensemble concert; 10-1:30 a. m., Tearney's Town club orchestra; Midway Garden orchestra; Pershing Palace orchestra; Katz and his Kittens' orchestra; Capitol theater program.
WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9 p. m., Elizabeth Barker Van Campen hour of music; 10:05, Bob, Hazel McOsker, Freddie Gleason, Thelma Dykman, Louie Cunningham, Dodo and Mom, Van Wyck's instrumental quartet, Ramona Gardens orchestra.
WRC, Washington, D. C. (468.5m-640kc), 7:30 p. m., WJZ; 10, Kitt hour of music; 11-12, Otto F. Beck, organist.
WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., Gold Standard ensemble; Speed-Wagon serenaders; 10-12, Speed-Wagon serenaders; Merwin Jenkins, blind entertainer.
WSAI, Cincinnati, Ohio (325.9m-920kc), 8:15 p. m., news; 8:30, Bicycle Playing Card sextet; 12 midnight, Lelia LeMar, Latonia Melody Boys.
WSWS, Chicago, Ill. (275m-1090kc), 8 p. m., Terrace Gardens orchestra; Mildred Bragdon; Matthews Sisters; 10, Terrace Gardens quintet; Joe Caffey; 12 midnight, Witching hour.
WTAM, Cleveland, Ohio (389.4m-770kc), 6 p. m., Horwitz Collegian serenaders; 7:30, studio program; 8, Hollenden hotel orchestra; 9, novelty studio program.
WWJ, Detroit, Mich. (352.7m-850kc), 7:30 p. m., Goldman band concert.

Central Standard Time Stations

KFRU, Bristow, Okla. (374.8m-800kc), 6-9 p. m., KVOO orchestra.
KLDS, Independence, Mo. (440.9m-680kc), 8 p. m., studio program.
KMA, Shenandoah, Iowa (252m-1190kc), 9-11 p. m., Ye Olde Tyme Gang orchestra; Willy Cunningham, the Farmer Scotchman.
KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., Jacquinot Jules, organist; 7, Little Red Schoolhouse; Stark Musical Bears; 8, orchestra; Porter Brown, banjoist; 9, KMOX Radio orchestra; 9:30, KMOX Radio orchestra; 10, dance music.
KOIL, Council Bluffs, Iowa (277.6m-1080kc), 6:30 p. m., Miss Leo Kearse, piano selections; 7:30, Geo. C. Wahl, baritone; Francis Wiatt, soprano; Glenna Biei Heath, contralto; Myron V. Johnson, tenor; 11, Hotsy-Totsy hour.
KPRC, Houston, Texas (296.9m-1010kc), 8 p. m., Frank Tilton, boy pianist; 10, National Advertisers' essay contest.
WFAA, Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m., Jimmy Joy's orchestra; 8:30-9:30, Ray Jones orchestra; 11-12, Jack Gardner's orchestra.
WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., concert, Frances Sellers, whistler.
WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Walter Moore.
WOAW, Omaha, Nebr. (526m-570kc), 6:15 p. m., orchestra; 7:30, Creighton educational period; 9, Omaha Printing company; 10, Elks club organ jubilee.
WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., Andres Jackson hotel trio; 8, popular and barn dance program.

Mountain Standard Time Stations

KFXF, Colorado Springs, Colo. (250m-1200kc), 9 p. m., Sells-McClusky first orchestra.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Al Wesson and his orchestra; 8-9, Angelus string trio; 9-10, semi-classical hour; 10-11, Packard Radio club; 11-2 a. m., KFI midnight frolic.
KFWB, Hollywood, Calif. (252m-1190kc), 6-7 p. m., Pontiac Six dinner hour; 8-9, varied studio program; 9-11, Warner Brothers frolic.
KGW, Portland Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 10-12, Indian Grill; Punch Green, pianist.
KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., Uncle John and the children; 8-10, Tower studio feature presentation.
KNX, Hollywood, Calif. (336.9m-890kc), 7:30-8 p. m., studio program; 8-10, KNX feature programs; 10-11, Ambassador hotel dance orchestra; 11-1 a. m., Edgewater.

RADIO-MADE SCREEN STAR MAKES DEBUT

TO FILM "ANN HOWE," NOT KNOWN EXCEPT ON AIR

Motion Picture Producers Watch Experiment—Curious Invisible Audience May Put Her Over

NEW YORK.—With the signing of Ann Howe to star in a series of twelve screen productions, Radio scores another triumph as a powerful medium for popularizing a personality. The Ann Howe, who was introduced to Radio fans as a mythical person whose destinies as an aspirant to fame in pictures would be guided by the audience of broadcasting, flashed sensationally following her first introduction from Stations KFI and KNX in Los Angeles by Don Meany, known as a representative of film stars.

Meany's appeal that Radio assert itself in making a film star met with such enthusiastic response from KFI and KNX audiences that a trip was arranged for him to visit the largest broadcasting stations from San Francisco to New York as a guest announcer and sponsor of the movement to so poularize Ann Howe that she would be sought out by picture producers to play star roles in photoplays.

The new star's name was derived from the idea expressed in the question "Can Radio make a screen star?" The reply was an emphatic "Yes" but the question then was "Ann Howe?" Within a period of weeks the unusual enterprise launched in Ann Howe's behalf has reached its goal. Just recently Ann Howe, now in New York, signed a contract to star in a film series.

The pictures will be taken in New York. Wally Van, famous as a screen comedian in the old days, will direct the "Radio made" screen star in her first vehicle, a comedy drama.

Ann Howe's appearance has remained secret from the Radio audiences who have pledged their support of her efforts on the screen. Though many screen tests were made of the young woman in California, these have been viewed only by production officials.

Lodge Is Seventy-Five

LONDON.—Sir Oliver Lodge, the "Grand Old Man of Science" and pioneer of Radio, who has the gift of being perennially youthful, has just passed his seventy-fifth birthday. But he was almost too busy to notice it.

"I am feeling younger now than when I was in the harness," said Sir Oliver in an interview. "My experience has been that when a man retires he becomes younger. Everyone should retire in good time, for there is no tonic like it. You want to retire before you are played out, for it gives so much more opportunity to do all that you desire."

$1,000, Medal for Paper on Radio Communication Law

CHICAGO.—The Charles C. Linthicum foundation of the Faculty of Law of Northwestern University here, announces that a sum of $1,000 and a medal will be awarded to the author of the best essay or monograph, submitted by March 1, 1927, on "The Law of Radio Communication". The scope of the paper is to include the aspects of the subject as a problem of international law and as a problem of legislation in the United States.

Another sum of $1,000 and a medal will be awarded for the best essay or monograph, submitted by March 1, 1928, on the subject known as "Scientific Property," i.e., the granting of a quasi-patent right to the maker of a scientific discovery.

The author must be either a member of the bar or a student registered in any American or Canadian law school. Complete conditions of the awards may be secured by writing the Dean of the Northwestern University Law School, Northwestern University building, Chicago.

70,000 Sets in Denmark

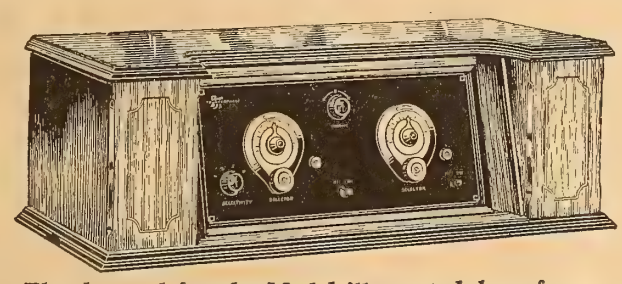
WASHINGTON, D. C.—A recent survey of Denmark showed approximately 70,000 Radio receiving sets in use, according to a report to the department of commerce from Commercial Attache H. Sorenson at Copenhagen. Copenhagen has 48,000 sets, thirty-five per cent of which are tube receivers.

New B-T Contributions to Better Radio

The Counterphase-Eight

and the *NEW*

COUNTERPHASE-SIX



The demand for the Model illustrated here far exceeded the production of the factory.
The New* COUNTERPHASE PERMANENT *models will be enclosed in beautiful cabinets introducing some new ideas in design.

In the New COUNTERPHASE B-T have achieved their ambition for which all have been striving, namely, to secure sensitivity over the full scale and it is done **without an oscillation control** and in a set that **cannot be made to oscillate.**

The "blooper" evil is destroyed, there is greater efficiency and at the same time greater simplicity.

Through an entirely new arrangement, the COUNTERPHASE-EIGHT furnishes a degree of selectivity that even B-T have never before attained.

These are only a few of the many features found in these new PERMANENT models. Special circulars tell the whole story.

BETTER TUNING

The Tenth Edition of BETTER TUNING gives full information on the New COUNTERPHASE and B Power Unit and other information of value to anyone interested in Radio. Sent on receipt of 10c in stamps or coin.

B POWER UNIT

Recommended for use with our receivers, the best endorsement we can give but it may be used with any set up to seven tubes. Fixed resistances enable the user to know at all times the exact voltage delivered to the set.

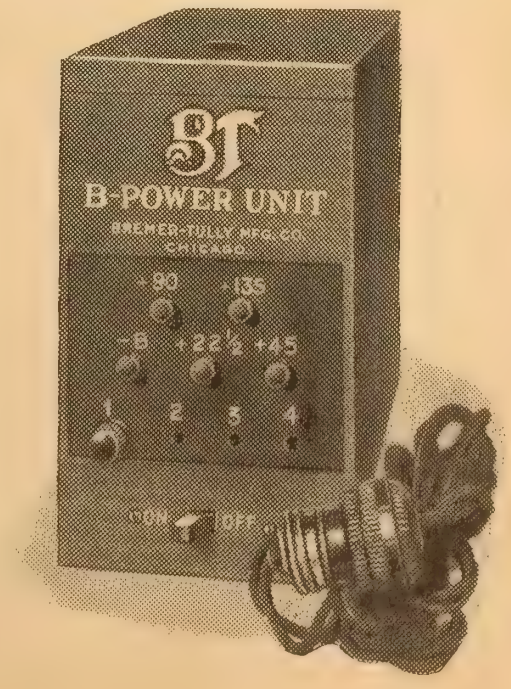
It would not be on the market if B-T did not believe it superior to any similar unit now sold.

B-T Leadership and Prestige has increased steadily year by year since broadcasting began.

Each season B-T has brought out new and original products.

Foolish and extravagant advertising claims have never been made but the Radio Public has always found out eventually that B-T products are seldom equalled and never surpassed.

The success of the B-T NAMELESS of three years ago is known the world over. In it was introduced the original "Oscillation control." This year you may expect to see many sets feature various modifications of tone controls, high wave switches, etc.



BREMER-TULLY MFG. CO. 532 SO. CANAL ST. CHICAGO, ILL.

"SURE-FIRE STUFF"

(Continued from page 7)

your game for some time. You're in love with this dame—that's what's the matter with you."

"Matter or not, it's none of your affair. Now get up and get out before I give your windpipe another squeeze."

Jadwyn pulled himself up with the aid of a chair, sat for a moment panting, then staggered toward the door, making a feeble effort to straighten his collar and cravat. "This is only the beginning of trouble for you two—remember that!" With this threat he straightened up, seized his hat and lunged through the door.

"Oh, Mr. Clavering," faltered Sheila. "Did you hear what he said?"

"Never mind that," returned Johnny. He took her hands in his own. "And now let's be sensible. You need money, and you've got to take it from me. How much?"

"Oh, but I can't—I can't!"

"You can and will. I understand everything. Will five hundred be enough?"

"Yes, more than enough—but—"

"Then it's settled. I'll go to my dressing room and write a check. You sit down and write to Bobby. Tell him everything just as it occurred. He's a sensible chap and he'll understand."

"Yes, I believe he will; and some day we'll repay the loan." The look of joy that suffused her features made Johnny Clavering grit his teeth.

The next morning the telephone in Johnny's room tinkled shrilly.

"This is Mr. Beall's office," said a voice at the other end of the wire. "He wants to see you at once."

"Tell him I'll be there as fast as a taxi can bring me," was Johnny's quick reply.

INSTINCTIVELY he had expected this summons. Jadwyn would try to make good on his threat. But Mr. Beall, "Czar" of the vaudeville world, was a just man, as Johnny knew.

Within half an hour he was ushered into the palatial office of the vaudeville magnate on the top floor of a prominent office building.

"Sit down, Clavering," greeted Beall cordially. "And have a cigar—we can talk better if we smoke."

"Thanks," said Johnny and dropped into a chair.

"Let's see—you've been in vaudeville eight years now, haven't you?"

"About that time I think, sir."

"And in all that period we have never had a complaint about you—until today."

"I'm surprised Jadwyn didn't ring you up at home last night."

"Well he unloaded on me this morning. I presume you know the charge he had lodged against you?"

"No, sir; but it might be anything, coming from him."

"Criminal assault!"

"If true, seems like it would be a case for the police."

"Yes; but instead Jadwyn came to me." Beall adjusted his glasses and picked up a sheet of memorandum on his desk. "Just what do you know about this girl, Sheila Shambaugh?"

"Never saw her in my life, till I opened at the Palladium last week. But she's sure-fire in the two-a-day, and if she gets her dues she'll be a billtopper in another year."

"Know anything about her?"

"Not much, Ganton says she's supporting a crippled husband. Said they were known on the small time as the Dancing Shambaughs."

"How did you come to choke Jadwyn?"

"I would have been delighted at the chance on general principles; but fortunately he gave me a better opportunity. I was passing Miss Shambaugh's dressing room when I heard loud voices. From the girl's tones I knew she needed help. Well, sir, she got it! I have no regrets. That's all there is to that, sir."

"What do you know of Jadwyn's business relations with Miss Shambaugh?"

"I know he has a personal contract with her, giving him not only the usual commission but a slice of her salary—his usual policy in dealing with artists, as perhaps you know."

"Did Miss Shambaugh tell you he was gouging her?"

"No; but Jadwyn practically admitted it himself."

"Good!" Beal arose and extended his hand. This confirms our suspicions. Miss Shambaugh is a plucky girl and we're going to take care of her. And Johnny—unofficially, you know—I don't believe you choked Jadwyn half hard enough!"

Johnny grinned and took his leave.

* * *

"A lady in the lounge to see you, sir," a bell-boy informed him when he returned to his hotel.

Johnny lifted his eyebrows in mild surprise, shrugged his shoulders and followed the blue-uniformed lad. Some fellow-artist in trouble no doubt.

It was a distinct shock—why, he could not have told—to have Sheila rise to greet him.

"You've seen Mr. Beall," she cried "and the news is bad?"

"Pretty bad," returned Johnny gravely.

"Oh, I knew it—I knew it!"

"Bad—for Jadwyn."

"For Jadwyn? You mean—"

"At the end of his rope—yes. No more long suffering artists on his books; no more threats to do as he says or be sent to the sticks."

"Oh, Johnny—I—I—mean, Mr. Clavering—"

"Make it Johnny—everyone calls me that."

"I was so worried—so worried——"

"Well your troubles are over now."

"No—I mean worried—afraid—for you!"

"For me?"

"Yes; I could never forgive myself if you had lost out because of me."

"Believe me, Sheila, I couldn't have lost out in a better cause."

She began suddenly to laugh; then to cry; slightly hysterical. The nervous strain was telling on her.

"Poor kid!" murmered Johnny. He never knew how it happened, but she came quickly into his arms, and all else for the moment was forgotten in the realization that she cared.

"Johnny, I—I know you'll think me a silly little fool, but I've been mad—perfectly mad—about you ever since that first day at the Palladium."

"Mad about me! That sounds wonderful, but great heavens, girl we must stop this before it goes to far!"

"Too far?" She raised a startled face to his. "You—mean—you—do not—care?"

"Care? More than I ever knew I could care for anyone."

"Then——"

"Why, there's Bobby, Sheila—we must think of Bobby!"

"But Bobby won't care now. I sent him the money last nght."

Johnny staggered back. "Won't care? Will you tell me for pity's sake, just what kind of a husband he is?"

"Husband!" gasped Sheila. "Why he's not my husband—just my dear old buddy! I thought you knew that."

Johnny choked up. He couldn't speak. But he registered joy in a way Sheila could not misunderstand.

THE END

Alice wanted to help but what could she do when her father said that Dick's physiognomy was against him for ever achieving success as a lawyer? She did what she could and it almost spelled disaster. It's another Van Demark short story in the next Radio Digest. Don't miss it.

KFWO ON TOP OF WORLD

(Continued from page 5)

for him by the Western Electric company of New York and not to be found in any other broadcasting station.

How we love to quote the old platitude about "he who laughs last—" It's just as true as it ever was. Some three years ago Major Mott was the cause of much merriment when he asserted his belief in low wave lengths. Today the low wave length is "the thing" in Radio with stations struggling to get as low a wave as possible.

To quote further from copy book lore, "The proof of the pudding is in the eating." With but 250 watts and a wave length of 211.1 meters KFWO is heard clearly in every state in the union, in every Canadian province and as far north on the Atlantic Coast as Point Tupper, Nova Scotia, which is some one hundred and fifty miles northeast of Halifax. Needless to say Honolulu is familiar with KFWO programs and what is more astounding two exact reports have come in from London, England!

"He who laughs last—" With 250 watts and a short wave length Major Mott has made records in the last few months for his station never equalled by 5,000-watt stations on the Pacific coast. Every known record for distance, per watt, power input, has been broken.

Not to be outdone the studio cat and canary indulge in a mild argument for honors. "My purr has tickled the ears of listeners in in Vancouver, B. C. far up the Alaskan Coast, and as far east as Detroit," proclaims Tabby.

The canary trills back, "That's nothing! My musical voice has been heard in New York City, in Portland, Maine, and in Mexico City. So there!"

The Major is free to speak on Radio matters but he is most reticent about his other accomplishments. Quite without his knowledge the author visited the library and discovered in Who's Who that Jordan Lawrence Mott, 3d, received his A. B. at Harvard in 1905 about which year he began the writing of short stories, most of which have the outdoor setting or tang of the sea and have appeared in leading magazines. In book form Major Mott has to his credit, Jules of the Great Heart, The White Darkness, To the Credit of the Sea, and Prairie, Sea and Snow.

It is a question whether Lawrence Mott's successes in the world of literature have ever brought him the satisfaction or feeling of attainment he must daily experience from sending his messages to nearly every country of the globe.

All people do not read. Radio reaches many thousands of persons who are not readers. It is a field in which one's auditors may be limited only by the boundaries of the world itself. Major Lawrence Mott with his non-commercial broadcasting station has made friends in legion.

Overlooking the famous Avalon Bay on Catalina Island, California, is a little chalet housing the now already famous Wrigley chimes, said to be exact duplicates of those in Westminster Abbey and the largest in this country.

The average weight of the chimes is 600 lbs. each. The entire action is electrical with a solenoid action, each solenoid weighing an additional 150 lbs., and the chimes are played from consoles located in the home of Wm. Wrigley, the

(Continued on page 30)

FOR CLEAR, QUIET "B" POWER

2.75 RADIO Storage "B" Battery

12 Cells 24 Volts *Lasts Indefinitely—Pays for Itself*

Economy and performance unheard of before. Recharged at a negligible cost. Delivers unfailing power that is clear, pure and quiet. Approved and listed as Standard by leading Radio Authorities, including Pop. Radio Laboratories, Pop. Sci. Inst. Standards, Radio News Lab., Lefax, Inc., and other important institutions. Equipped with *Solid Rubber Case*, an insurance against acid and leakage. Extra heavy glass jars. Heavy rugged plates. Order yours today!

SEND NO MONEY Just state number of batteries wanted and we will ship day order is received. Extra offer: 4 batteries in series (96 volts), $10.50. Pay expressman after examining batteries. 6 per cent discount for cash with order. Mail your order now!

WORLD BATTERY COMPANY
1219 So. Wabash Ave., Dept. 76 Chicago, Ill.
Makers of the Famous World Radio "A" Storage Battery
Prices: 6-volt, 100 Amp. $11.25; 120 Amp. $13.25; 140 Amp. $14.00.
All equipped with Solid Rubber Case.

World STORAGE BATTERIES

Set your Radio Dials at 210 meters for the new 1000 watt World Storage Battery Station, WSBC, Chicago. Watch for announcements.

KDKA—WEAF—WGN—WJZ—KHJ—KGO—KFAE—WJY—KSD

Oh boy

KESTER
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Radio SOLDER
Sure! is Safe and Simple

APPROVED BY RADIO ENGINEERS

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Originators and World's Largest Manufacturers of Self Fluxing Solder

YOUR DEALER CAN SUPPLY YOU

(7) HARMONY GIRLS
These Pictures Are 11 x 14

Photogravures of Your Favorite Artists

GALLERY OF RADIO STARS

By special arrangement, Radio Digest is able to offer its readers a great opportunity to secure fine photogravures of their favorite Radio stars at practically no cost.

Radio Fans will be able now, by this very special offer, to have pictures of their favorite artists and announcers before them when they listen in.

Select Your Favorites from the Gallery of Radio Stars

1 Wendell Hall, king of ukulele ditties
2 Graham McNamee, 1925 Gold Cup announcer
3 Jack Little, popular wandering balladist
4 Billy B. Van, the Sunshine Man
5 Coon-Sanders' Original "Nighthawks"
6 George Hay, 1924 Gold Cup announcer
8 Ford and Glenn, Lullaby Boys of WLS
9 "Roxy" Rothafel of WEAF chain fame
10 The Hired Hand, famous "Substitute Announcer" of WBAP
12 Bob Emery, Big Borther of WEEI
13 "Bill" W. G. Hay, ex-KFKX, now of WLIB
14 Happiness Boys, jovial singers of WEAF
15 Lambdin Kay, "Little Colonel" of WSB
16 Leo Fitzpatrick, "Merry Old Chief," WJR
17 Henry Field, 1925 Gold Cup runner-up
18 Al Carney, organ favorite at WHT
20 Vincent Lopez, No. 1 Pennsylvania orchestra
21 E. L. Tyson, pleasing voice at WWJ
23 Art Gillham, "The Whispering Pianist"
25 Harry Ehrhart, "Dream Daddy" of WLIT
26 Correll and Gosden of "Kinky Kids Parade" fame, at WEBH and other stations.
27 Norman Brokenshire, popular at WRC, WJZ
29 Jane Novak, Blues Singer of Twin Cities, WCCO
30 Jean Sargent, the original, now at WHT
31 Ralph Emerson, popular organist at WLS
32 Edna Adams, of KPRC
33 Pat Barnes, vaudeville announcer at WHT
38 Walter Wilson, "Uncle Bob" of KYW
40 Ray-O-Vac Twins, known country-wide
41 Art Linick, KYW's Mrs. Schlagenhauer
42 Fred Hamm of WTAS, now WLIB, fame

Suitable for Framing or Placing in Your Album

Send Coupon Now

Your Radio set gives you these voices.
These pictures add very much to your complete entertainment.

ACT TODAY

RADIO DIGEST PUBLISHING CO.
510 N. Dearborn St., Chicago, Ill.

COUPON NO. 24

This coupon entitles the holder to one photogravure selected from the Radio Digest Gallery of Radio Stars when accompanied by ten cents to pay the cost of mailing and postage. Three consecutively numbered coupons entitle the holder to three photogravures when accompanied by 25 cents. Remittance must accompany the coupon. Cash at your risk. Add 5 cents to personal checks for exchange.

Order by Number.....

Concert Singer on Air To Demonstrate Voice

Introduces Self to Patrons on Ten Station Chain

NEW YORK.—Something new in the method of presenting concert stars to local mangers was introduced recently, when Concert Manager Arthur Judson presented Irving Jackson, American baritone, through a chain of ten leading broadcasting stations.

Although well known abroad where he has been singing for several years, Mr. Jackson is not yet known to his native country. His home is in Boston.

In order to book a tour for him as soon as possible, his manager, Mr. Judson, arranged for a network of broadcasting stations to carry Mr. Jackson's voice simultaneously so that concert patrons might write to Steinway hall, here, and indicate whether or not they would like to hear the artist on their concert series next season.

Stations which carried the broadcast were WEAF, WTAM, WSAI, WOC, KSD, WFI, WEEI, WCAE, WWJ and WCCO.

Children Greet Late Spring In Forest Cabin of WHAD

MILWAUKEE.—Spring, which has been so late in coming to all parts of Wisconsin this year, has tendered its greetings to listeners of WHAD here through the medium of fifty little voices singing in the Children's Hour program from WHAD's Forest Cabin.

It is to the children of the Bartlett Avenue school, Milwaukee, that the privilege of heralding that happy time was given. These little choristers, ranging in ages from ten to fifteen and from grades five to eight, told their story of the "Coming of Spring" with a little cantata in which they depicted the birds, the flowers, raindrops, the southwind and the sunshine. The "Spirit of Spring," impersonated by little Miss Maxine Randall, called upon the violets, daisies and bluebells, the southwind, raindrops and sunshine, and listened to their song.

Children between the ages of six and sixteen come to the Forest Cabin of WHAD each Saturday and offer children's entertainment for children.

GOLD CUP AWARD RACE

(Continued from page 2)

CKY, who has been leading since the start of the contest, more than doubled her total number of votes in the past two weeks. Hooper of CKCK and Wright of CNRV displayed some action, but not enough to threaten the position of the fair leader. The standing is:

1. Lillian Shaw, CKY (1).....4,273
2. Bert Hooper, CKCK (2)..... 831
3. H. C. Fricker, CKCL (3)..... 665
4. Geo. A. Wright, CNRV (4)..... 396
5. C. W. Darling, CFCF (5)..... 104

As a reward for saving consecutively numbered ballots and casting them at one time for the same candidate, a bonus vote, with size depending on the number in consecutive order, is credited to that candidate.

Each of these ballots will count for one vote when sent in separately. You can hold these ballots until you have four that are consecutively numbered and when they are sent in, a bonus of eight votes or total of twelve will be granted.

The larger number of consecutive ballots submitted, the greater is the bonus allowed. Eight consecutive ballots receive a bonus of twenty votes. Twelve consecutive ballots receive a bonus of thirty votes, or a total of forty-two votes. For a complete series of ballots, including one from each issue from March 27 to September 1, a bonus of fifty votes will be allowed.

Swollen Copyright Charges Block Broadcast of Opera

LONDON.—Owing to copyright difficulties, the British Broadcasting company has been unable, as intended, to broadcast the opera "Othello," which has just been given at the Royal Opera House here.

The copyrights on the latest Verdi operas, such as "Othello," "Falstaff," and "Aida," have not expired yet, and are held by an Italian syndicate which has the right to prohibit any performance. The syndicate demands a higher fee for the transmission than the B. B. C. can pay.

"Aida" was recently broadcast, but the syndicate has decided that not enough was paid for it then, and have raised the price. There is no longer any copyright over the earlier Verdi operas, such as "Il Trovatore" and "La Traviata."

WOAI INTRIGUES VETS

(Continued from page 6)

'Tis the Radio, Pete, and I have a grand one that I made myself with eight tubes in it. Won't ye come up and join me?"

"Now, I'll kiss the foot of Pat's pig if I'm not listenin' to the invitation of a gintleman after me own heart and I'm tellin' you that I'll accept with pleasure if you'll tell me the address I'm to go."

At 8 o'clock to the dot by the silver ticker Jack carried on his hairy wrist Pete Cahill walked into the Downey flat on Green street and was introduced to the little mother. They went into the parlor where Jack exhibited the mysterious interior of his super-het with its interlacing of red, yellow and green strands and silver bulbs.

"And for why do you call the one at the end a 'power tube'?" asked Pete, "I see no difference betwane them at all."

"That's what I'm comin' to," Jack smiled with prideful superiority. "If ye'll just sit back comfortable and fill your pipe I'll connect you directly with San Antonio."

He hunched over from a low chair and turned the dials gently and deftly. In a moment a low murmuring drone suddenly flared up like a flame that has reached oil and into the room poured the rythm and thrumm of the Gebhardt Mexican Players over Station WOAI. Sweet and melodious it was as the natural born instinct of the Mexican player who alone knows how to produce in his own kind of a concert. They play regularly from this station under the direction of Jose Conrado Tovar, famous composer and pianist.

"'Tis more wonderful than I can express in words," sighed Pete, "and do you mean to tell me for the truth that this grand music comes through the air all the way from San Antonio to this very room?"

"Yes, 'tis the gospel truth, and if ye'll listen ye'll hear more that'll surprise you. And if you can't feel yourself transported to San Antonio there's something lacking in your sense of imagination. That's Mister J. G. Cummings, the manager, that you're hearin' now makin' the announcements. Sometimes it's Mister Oelkers or Otis Vaughan. But listen, this is good—the Mistletoe Melody Maids."

The two "old" vets puffed at their pipes in silence while southern folk songs rippled out of the screened cabinet from voices that must have been of those who were young and fair. There are eight of the Mistletoe Maids.

"And do you mind the time when those southern ladies invited the boys in our batallion to a tea to be served in the old Alamo gardens and when everything was ready for us to go even with the consent of General White, the colonel backed up and called it off? Do you mind the old Alamo mission where even the soldiers took off their hats when they entered the door? Just think, you are listenin' within hearin' of the sacred place!"

But the apex of the evening's entertainment came when the military band from Fort Sam Houston was announced. They played the Missouri Waltz and it was no difficult feat to vision the scene on the old parade ground with the entire regiment going through the "sittin'-ups" without other command than the measured cadences of this popular air of border days.

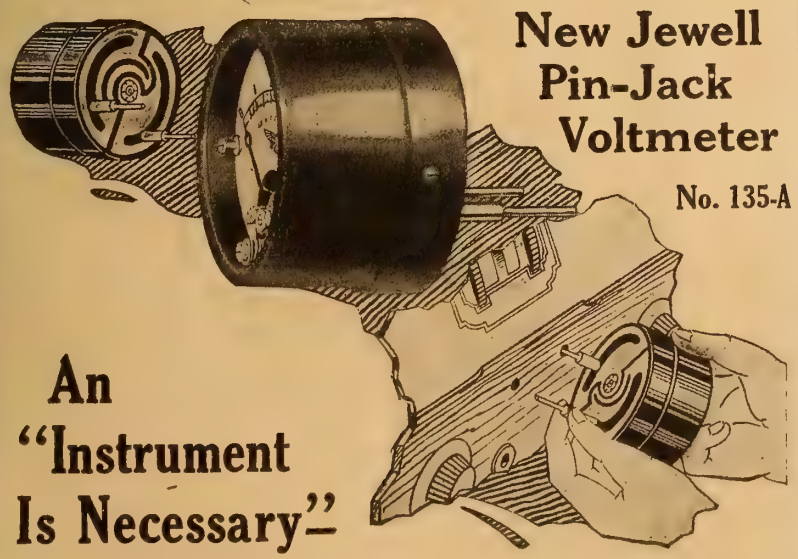
It was a wonderful evening from the bulletins of world events by the San Antonio Evening News to a grand concert by the San Antonio College of Music. Even the Joske Story Lady varied her usual place on the program from the afternoon to contribute an anecdote of interest to grown-ups as well as to the children. Who was she? Ah, a subject of much speculation between Jack and Pete, who would like to have believed that she was the same girl who came to sing to the "bhoys in the camp" some ten years ago, except, but you couldn't tell without seeing the face.

This may seem a long way around to tell about Station WOAI but it gives a view of its importance from a distance because in the main the story is true. A letter from Mrs. Gilbert Lang of the WOAI staff says, "WOAI is heard in every state in the Union and from the mail it seems to be a very popular station in the North as far as Canada and Alaska. Perhaps our most distant record is a letter from Johannesberg, South Africa, telling us they had heard a concert from WOAI."

Norway Builds Superstation

LONDON.—The Norwegian government has placed an order with a British firm for a broadcasting station which will equal in power the largest of the German stations. The set will be capable of feeding the aerial with twenty-five kilowatts. This means that the new station will be nearly as powerful as 5XX, the B. B. C.'s high-power station.

JEWELL



New Jewell Pin-Jack Voltmeter

No. 135-A

An "Instrument Is Necessary"—

if you wish to get the best out of your set.

The life of tubes burned above their rated voltage is impaired. If burned below their rating, reception will be poor.

Send for "JEWELL" circular No. 1015 which fully illustrates and describes the new "JEWELL" high resistance pin-jack voltmeter—No. 135-A.

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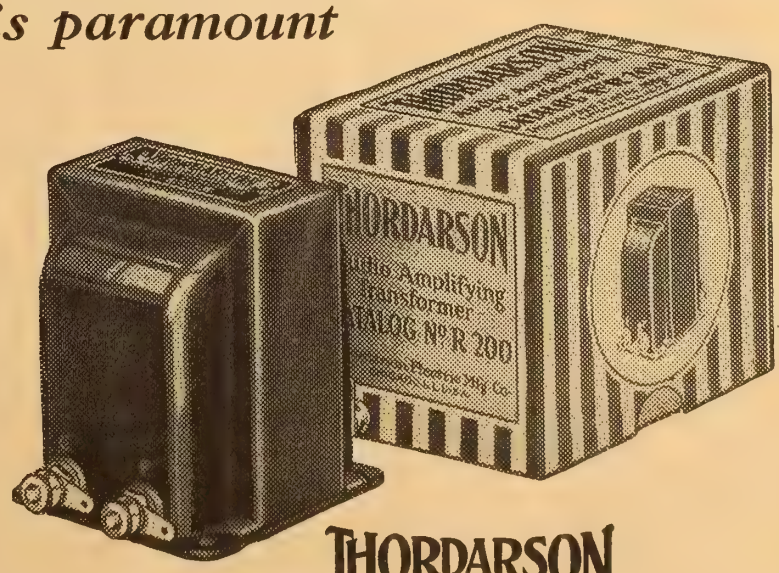

THORDARSON

R-200

The proof of the pudding is in the eating.

The satisfaction you derive from your radio set depends upon its fidelity of reproduction.

Since the institution of broadcasting, Thordarson transformers have been the great outstanding factor of faithful reproduction in a multitude of receivers.

That is why to-day you find more Thordarson transformers in the receivers of leading manufacturers than all competitive transformers combined.

Thordarson R-200 is available at reliable dealers everywhere at a cost of eight dollars.

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Transformer specialists since 1895

WORLD'S OLDEST AND LARGEST EXCLUSIVE TRANSFORMER MAKERS

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CLASSIFIED ADVERTISEMENTS

HOW about that new set you want to buy? What are you going to do with the old one? A Radio Digest classified advertisement will sell it for you.

Rates are twenty cents a word for each insertion. Five per cent discount for four insertions, 10 per cent discount for six insertions, 15 per cent discount for twelve insertions, 20 per cent discount for twenty-four insertions (each issue for 1 year). Name and address are counted. Two initials count one word. Cash must accompany order. Minimum of ten words. Objectionable and misleading advertisements not accepted.

Copy reaching us not later than July 26 will be in time for our August 15 issue.

BLUE PRINTS

NO MORE BATTERIES—Build "A" and "B" eliminator—operates any set on AC or DC, no hum, satisfaction guaranteed. Complete plans, $2. Engineers' Service Company, 25 Church St., New York.

Portable Super-Het Actual Size Template for 8-tube Super using 199 type tubes. Complete building instructions appearing in First and Second June issues of Radio Digest. 25 cents for template—30 cents for copies containing instructions. Book Dept., Radio Digest, 510 North Dearborn Street, Chicago.

Complete instructions for building the Simplest Possible Super-Het. 16-page booklet containing instructions for building and an exact size template for drilling panel and base. How to build a loop. 35 cents. Book Dept., Radio Digest, 510 N. Dearborn St., Chicago.

We still have a limited number of the actual size templates and blue prints for the following sets which have been described in Radio Digest; Super-Torodyne, 8-tube super-het; Fireside, 6-tube radio frequency; Grand Prix, 8-tube super-het; Counterphase, 6-tube radio frequency; DX Seven, 7-tube super; 4 Filter Super and the Straight-8, an eight tube super-het. Each set, 25 cents. Book Department, Radio Digest, 510 N. Dearborn St., Chicago.

DOGS

Beautiful registered bull pups, $15. Bull-dogs, 501 Rockwood, Dallas, Texas.

FOR SALE

Here is your opportunity to obtain a real good buy on ¼-HP, 110-volt, 60-cycle, single phase, AC, enclosed dust proof new electric grinders and buffers, 6-inch emery wheel on one side and 6-inch buffer on the other, with cord and plug, at a low price of $15.75 each. Special price on brand new 1-KW or 1000-Watt, 32-volt, 1150 speed, late design, Westinghouse light and power generators with pulley, ready to run at $48.00 each. Largest dealers in new and used motors and generators in the Northwest. Send us your inquiries. General Distributing Co., Security Storage Bldg., Duluth, Minn.

MISCELLANEOUS

Photos of Your Favorite Radio Stars. Ten cents and coupon appearing on another page of this issue will entitle you to one of the photos from Radio Digest gallery of stars. Radio Digest, 510 North Dearborn Street, Chicago.

Get Hoff's Radio trouble finder. Particu-lars for stamp. F. Nasstrom, 474 Midway Ave., Pontiac, Mich.

PATENT ATTORNEYS

PATENT ATTORNEYS

PATENTS. Booklet free. Highest references. Best results. WATSON E. COLEMAN, Patent Lawyer, 644 G Street, Washington, D. C.

RADIO

600 Mile Radio $2.95. 200,000 satisfied customers already. Don't require any batteries nor tubes. Write today. Picture and particulars Free. Crystal Radio Company, Wichita, Kansas.

Play your Phonograph thru your Radio. Results equal to New Electric Phonographs. Inexpensive hook-up. Complete Plans $1.00. Mogle & McClelland, Dept. A, Winfield, Kansas.

Closing out all of my Radio stock. 200-ohm potentiometer with sliver knob and dial, 10 cents; Howard rheostats 6½, 6¾ or 25-ohm, 75 cents; Filkostats, 50 cents; set eight lettered binding posts, 25 cents; variable condensers with dial and vernier, 13-plate, $1; 23-plate, $1.50; 4-inch black dials, 3—50 cents; 3-inch, 3—35 cents. Bronsteins Pharmacy, 4600 Lincoln Ave., Chicago.

SALESMEN WANTED

A Paying Position Open to representative of character. Take orders shoes-hosiery direct to wearer. Good income. Permanent. Write now. Tanners Shoe Mfg. Co., 7-707 C St., Boston, Mass.

SHEPHERD OF THE AIR

(Continued from page 4)

it contained. He took the ferry to San Francisco and called at the office of the big broadcasting station and found a warm welcome waiting for him. Would he take the orders of a Shepherd of the Air and broadcast the divine message to the shut-ins who could not attend regular church services?

"Go preach the gospel to all the earth." No man ever received a clearer, more definite call than this. And thus the little Baptist church in Oakland and its pastor were lifted up in the heavens so that the miner in the rocky uplands and the herdsman in the valley could hear and join in worship, as they actually did.

This relationship continued for some time. The postmen brought mail from grateful listeners by the bagful. Some were tear stained from hearts that had been breaking from solitude and loneliness. Others had been brought back from the by-paths. It was a great work for the Master's vineyard.

Then came a fatal day—a black and crushing day for the pastor and his fellow workmen in the little Baptist church of Oakland. Somebody had raised a forbidding hand. The weekly sermons were no longer to be included in the regular programs of the great broadcasting station. All the multitude of hopeful listeners for religious comfort must be abandoned.

There was consternation as the Rev. Phillips called his flock together and explained the situation. What could be done about it? A broadcasting station was such a tremendous proposition; costly and difficult to understand technically. But somehow from unexpected sources outside the church the way seemed open. Money donations began coming in with an initial contribution of $2,500 from a man in a distant town who heard the voice of the Shepherd of the Air.

A broadcasting station for the Tenth Avenue Baptist Church! Others took up the slogan. The fund grew. Emissaries went to Washington. The call letters KTAB were obtained and in a very short time the little church on the corner at Oakland housed its own broadcasting station and today the Rev. Phillips sends out his Sunday service to an audience that has become greater than ever before.

But a church in these days must be broader than in the days of old. It must supply more than the spiritual bread of a Sunday service. And so KTAB during the week provides programs of wholesome entertainment. Ada Morgan O'Brien has come from one of the older San Francisco stations to direct the musical programs. She selects that which is good as well as enjoyable. Recently in cooperation with the pioneer Oakland Post-Enquirer she put on a special world-wide program in which KTAB proved its far reaching power. Letters were received from Australia and other countries touched by the Pacific stating that they had heard this specially arranged program.

During the week the station is operated by the Associated Broadcasters of Oakland. It speaks for the municipality and on through the ether waves into thousands of distant points goes the slogan, "Oakland the Industrial Capital of the West."

Who can really tell the whys and wherefores of outstanding events? What mysterious way performed the wonder of lifting a comparitively obscure little church into such a great sphere that it's voice literally spans the Pacific? If you can't answer this problem, put it up to the Rev. Geo. W. Phillips; he will tell you.

KFWO ON TOP OF WORLD

(Continued from page 28)

chewing gum magnate, who owns Catalina Island and whose California home is on the opposite side of Avalon Bay, as well as from the offices of the Catalina Island company located near the pier where the steamships dock. The home of Zane Grey, well-known writer of western stories, is just behind the chalet.

The broadcasting of the chimes is done by KFWO, the 250-watt station operated by Major Lawrence Mott of the Signal Corps, and is accomplished by a cleverly devised switching arrangement invented by Engineer Hansen of the Pacific Telephone and Telegraph company.

The chimes are broadcast daily 6 to 6:30 p. m., by KFWO on its frequency of 1420 kycs. or 211.1 meters with 250 watts power, an arrangement that has proven very satisfactory for long distance rebroadcast work, in which Major Mott is mainly interested and for which Catalina Island offers an ideal location, being entirely surrounded by water and away from all power line disturbances, artificial and natural shields.

WHEN IT DOESN'T WORK

(Continued from page 8)

They tell me that my receiver has a range from 200 to 600 meters. How far does that mean that I should be able to receive? The wave length range of 200 to 600 meters has no bearing on the distance which one may receive, but refers to the class of stations to which your receiver will tune. In other words, it means that you should be able to receive stations which broadcast on wave lengths between 200 and 600 meters.

Very often my loud speaker will begin to howl. This noise starts with a low howl and gradually increases until it drowns out the reception. Is the trouble in my receiver or the tubes used? In most cases the trouble is not chargeable either to the tubes or the wiring of the receiver but lies in the construction of the loud speaker. This is particularly true of many cone type speakers. It is caused by the paper cone vibrating at a given wave length, these vibrations being in tune with the diaphragm or metal container of the speaker mechanism. As such vibrations are reflected from the cone to the speaker mechanism, they are re-amplified. In a succession of such reflections a state of resonance is set up which causes the howling. There is no cure for this condition except that the speaker mechanism might be readjusted so that it would have a fundamental frequency varying from that of the cone.

Why is is possible for me to receive nearby stations on either of two dial settings? The reason for this is that at times one is likely to be able to tune in a station, especially one not distant, on one of its harmonics. As a definition of harmonics entails a story within itself, a simple explanation will be given as follows. A harmonic consists of a sympathetic frequency or side tone frequency usually carrying the overtones.

SIR OLIVER'S N CIRCUIT

(Continued from page 9)

Speaking on the subject of radiation, we quote Sir Oliver Lodge as follows: "It is a fact that from an oscillating circuit true radiations or waves are not flicked off until a distance of a quarter of a wave length is reached. Within such distance the energy pulsates to and fro, out and in. A little more goes out than comes back again, but within that quarter wave length distance we get pulsating energy decidedly greater than wave emission energy—a sort of inductive effect that is superseded by waves at greater distances. When two aerials are so close as to feel this pulsation, they are bound to react upon one another to some extent. Such action is not true radiation and should not be so stigmatized."

WHN Gives Eucharistic Congress

NEW YORK.—Eastern Radio fans were assured hearing the highlights of the International Eucharistic congress by Station WHN who tied in on a wire relay from WEBH at Chicago.

LYNCH METALLIZED
FIXED RESISTORS
ARE WARRANTED
Absolutely Noiseless
Permanently Accurate
Dependable !
Write for complete information
ARTHUR H. LYNCH, Inc.
Fisk Bldg., Broadway & 57th Street
New York, N. Y.

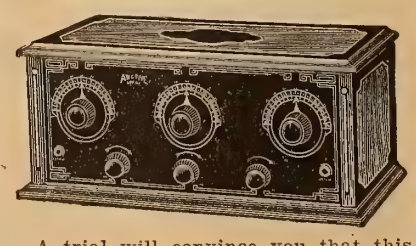
A & B Battery Charger ONLY $2
SATISFACTION GUARANTEED

Charges any type of storage A or B battery, using a few cents worth of ordinary house current, either alternating or direct. Cannot injure battery. Complete directions enclosed. Anyone can operate. No expensive "extras" to buy.

Why pay $10.00 to $15.00 for a charger when you can get this splendid GUARANTEED R.B. Charger by mailing us two dollars (bills, money-order, check or stamps) plus ten cents in stamps or coin to pay mailing costs. Charger will be sent postpaid. If not satisfied return within five days and we will refund your money. Order at once—TODAY.

R. B. SPECIALTY COMPANY
Dept. A-45 308 East Third Street
CINCINNATI, OHIO

ATEC FIVE
$85 Complete
NOTHING ELSE TO BUY



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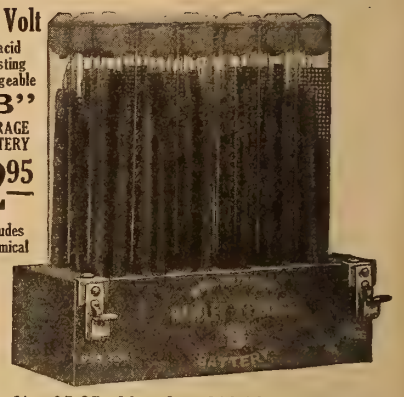
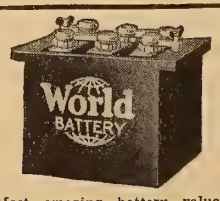
Dealers write for exclusive proposition

Atec Products
Manufactured by
Able Tool & Engineering Co.
536 W. ELM ST. CHICAGO, ILL.

$2½ Volt un-acid everlasting rechargeable "B" STORAGE BATTERY $2.95 Includes Chemical



45 volts, $5.25; 90 volts, $10.00; 112½ volts, $12.50; 135 volts, $14.75; 157½ volts, $16.80. Truly the biggest buy today. Easily charged on any current including 32-volt systems. Any special detector plate voltage had. Tested and approved by leading authorities such as Popular Radio laboratories. Over 3 years sold on a non-red tape 30-day trial offer with complete refund if not thoroughly satisfied. Further guaranteed 2 years. Knockdown kits at great savings. Complete "Hawley" "B" battery charger, $2.75. Sampel cell, 35c. Order direct—send no money—simply pay the expressman cost on delivery. Or write for my free literature, testimonials and guarantee. Same Day shipments. B. Hawley Smith, 817 Washington Ave., Danbury, Conn.



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$5.00 C.O.D. Send No Money
Solid Rubber Case
an assurance against acid and leakage. *Order Now.* We ship same day—by express C. O. D. subject to your examination on arrival. *Extra Offer:* 5% discount for cash in full with order. ACT TODAY!

World STORAGE BATTERIES
WORLD BATTERY CO. Dept. 148, 1219 S. Wabash Ave., Chicago
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Radiophone Broadcasting Stations

Corrected Every Issue—Part VI

United States Stations by Wave Lengths

Wave length	Frequency (kilocycles)	Power (watts)	Call signal	Location
202.6	1,480	500	KFXB	Big Bear Lk., Cal.
		10	WEHS	Evanston, Ill.
		10	WIBS	Elizabeth, N. J.
204	1,470	500	WABB	Harrisburg, Pa.
205.4	1,460	50	KFVD	San Pedro, Cal.
		10	KFXD	Logan, Utah
		50	KFXY	Flagstaff, Ariz.
		10	KFYF	Oxnard, Calif.
		30	WCBR	Pvdc., R.I. (Ptb.)
		100	WFRL	Brooklyn, N. Y.
		150	WIBX	Utica, N. Y.
		50	WPDQ	Buffalo, N. Y.
206.8	1,450	250	KFWM	Oakland, Calif.
		50	KGTT	S'n F'nco, Calif.
		50	WABW	Wooster, Ohio
		50	WJBA	Joliet, Ill.
208.2	1,440	250	KNRC	H'ywood, Calif.
209.7	1,430	10	KFYO	Texarkana, Tex.
		100	KSMR	Santa Maria, Cal.
		500	WBNY	New York, N. Y.
		30	WCBR	Provdce., R. I.
		100	WCWS	Pawtucket, R. I.
		30	WIBH	New B'df'd, Mass.
		1,000	WSBC	Chicago, Ill.
211.1	1,420	50	KFWC	S. Ber'dino, Cal.
		250	KFWO	Avalon, Calif.
		100	WJBU	Lewisburg, Pa.
212.6	1,410	50	KFWV	Portland, Ore.
		100	WMAL	Wash'ton, D. C.
		500	WMSG	New York, N. Y.
214.2	1,400	250	KFWF	St. Louis, Mo.
		15	KFXR	Okla. City, Okla.
		150	WCLS	Joliet, Ill.
		100	WKBB	Joliet, Ill.
215.7	1,390	50	KFBC	San Diego, Calif.
		50	KFQW	N. Bend, Wash.
		10	KFXJ	Colorado (Ptb.)
		50	WBBZ	(Portable)
		50	WHBL	Chicago, Ill.
		20	WHBM	Chicago, Ill.
		100	WHBW	Phila'phia, Pa.
		50	WIBJ	(Portable)
		10	WIBM	(Portable)
		100	WKBG	Ch'go, Ill. (Ptb.)
		100	WPRC	Harrisburg, Pa.
		250	WRST	Bay Shore, N. Y.
217.3	1,380	50	KFAF	San Jose, Calif.
		100	KFQU	Alma, Calif.
		500	WFKB	Chicago, Ill.
		5,000	WOK	Chicago, Ill.
218.8	1,370	10	KFJC	Junct'n City, Kan.
		50	KFRW	Olympia, Wash.
		10	WHBU	Anderson, Ind.
		50	WIBI	Flushing, N. Y.
		250	WJBI	Red Bank, N. J.
		50	WSVS	Buffalo, N. Y.
220.4	1,360	50	KFUU	Oakland, Calif.
		5	KJBS	San Fran'co, Cal.
		100	WIBW	Logansport, Ind.
		500	WQAA	Parkesburg, Pa.
222	1,350	500	KZRQ	Manila, P. I.
		50	WBBW	Norfolk, Va.
		100	WBES	Takoma Pk., Md.
		100	WCMA	Culver, Ind.
		500	WCOA	Pensacola, Fla.
		20	WHBD	Bellef'taine, O.
		100	WHBF	Rock Island, Ill.
		50	WIBG	Elkins Park, Pa.
		20	WIBU	Poynette, Wis.
223.7	1,340	100	KFBL	Everett, Wash.
		10	KFQP	Iowa City, Iowa
		100	KFUR	Ogden, Utah
		50	KFVS	C'pe Gir'd'u, Mo.
		10	WJBG	Charlotte, N. C.
		50	WKAV	Laconia, N. H.
		10	WNRC	Gr'nsboro, N. C.
		250	WODA	Paterson, N. J.
		100	WRAF	Laporte, Ind.
225.4	1,330	10	KFGQ	Boone, Iowa
		10	KFIU	Juneau, Alaska
		10	KFKZ	Kirksville, Mo.
		50	KFOB	Burlingame, Cal.
		100	KFOR	David City, Nebr.
		50	KFQZ	Hollywood, Calif.
		500	KFWI	San Fran'co Cal.
		50	WAGM	Royal Oak, Mich.
		1,500	WBBM	Chicago, Ill.
		150	WDAD	Nashville, Tenn.
		100	WEBL	U. S. (Portable)
		10	WEBQ	Harrisburg, Ill.
		10	WFBE	Seymour, Ind.
		1,000	WIBO	Chicago, Ill.
227.1	1,320	100	KFQD	Anchorage, Alas.
		50	KFVN	Fairmont, Minn.
		100	WDBK	Cleveland, Ohio
		50	WJBR	Omro, Wis.
		500	WOWO	Ft. Wayne, Ind.
228.9	1,310	200	KFLV	Rockford, Ill.
		1,000	KMMJ	Clay C'r, Nebr.
		50	KPPC	Pasadena, Calif.
		10	WAIT	Taunton, Mass.
		100	WBBL	Richmond, Va.
		50	WCBM	Baltimore, Md.
		50	WDBJ	Roanoke, Va.
		10	WGBR	Marshfield, Wis.
		250	WSAJ	Grove City, Pa.
		100	WSAN	Allentown, Pa.
230.6	1,300	5	KDLR	Devils Lk., N. D.
		10	KFDZ	Min'polis, Minn.
		50	KFOT	Wichita, Kan.
		500	KFPR	Los Angeles, Cal.
		500	KQP	Portland, Ore.
		500	KQW	San Jose, Calif.
		500	KUT	Austin, Tex.
		100	WBRE	W'kes-Ba'e, Pa.
		50	WCLO	Camp Lake, Wis.
		20	WHBG	Harrisburg, Pa.
		10	WIBZ	Montgom'y, Ala.
		100	WKBE	Webster, Mass.
		50	WTAX	Streator, Ill.
232.4	1,290	10	KFEY	Kellogg, Idaho
		500	KFON	Long Beach, Cal.
		10	WDBZ	Kingston, N. Y.
		50	WHBQ	Memphis, Tenn.
		10	WJBK	Ypsilanti, Mich.
		50	WOKO	New York, N. Y.
234.2	1,280	50	KFUP	Denver, Colo.
		50	KMJ	Fresno, Calif.
		100	WFDF	Flint, Mich.
		500	WGBX	Orono, Me.
		50	WHBJ	Ft. Wayne, Ind.
		100	WJBC	La Salle, Ill.
		100	WQAC	Amarillo, Tex.
236.1	1,270	10	KFLU	San Benito, Tex.
		250	KFOO	Salt Lk. Cy., Utah
		15	KFVG	In'pendence, Kan.
		100	KWKC	Kansas Cy., Mo.
		500	WBOQ	R'hm'd H., N.Y.
		500	WCAM	Camden, N. J.
		100	WFBJ	Collegev'e, Minn.
		500	WGBF	Evansville, Ind.
		100	WGMU	R'hm'd H., N.Y.
		100	WIBA	Madison, Wis.
		100	WRMU	R'hm'd H., N.Y.
		50	WTAD	Carthage, Ill.
238	1,260	15	KFBS	Trinidad, Colo.
		100	KFCB	Phoenix, Ariz.
		100	KFWU	Pineville, La.
		10	KFYJ	Houston, Tex.
		500	KMTR	Hollywood, Cal.
		200	WBBP	Petoskey, Mich.
		10	WHBN	St. Pet'sb'g, Fla.
		3,500	WHT	Chicago, Ill.
		10	WRAW	Reading, Pa.
239.9	1,250	10	KFHL	Oskaloosa, Iowa
		10	KFLX	Galveston, Tex.
		100	KFUM	Colo. Spgs., Colo.
		500	KFVE	Un'sity City, Mo.
		10	KFVI	Houston, Tex.
		1,000	KTAB	Oakland, Calif.
		100	KZM	Oakland, Calif.
		100	WABI	Bangor, Me.
		50	WCAT	Rapid City, S. D.
		500	WDBO	Winter Pk., Fla.
		10	WGBI	Scranton, Pa.
		500	WHAP	New York, N. Y.
		500	WOAX,	Trenton, N. J.
		20	WSMH	Owosso, Mich.
241.8	1,240	50	KFFP	Moberly, Mo.
		10	KFPM	Greenville, Tex.
		50	KFXH	El Paso, Tex.
		500	KSO	Clarinda, Iowa
		50	WABY	Philadelphia, Pa.
		100	WBAW	Nashv'le, Tenn.
		50	WCBH	Oxford, Miss.
		100	WEBC	Superior, Wis.
		1,000	WOOD	Gr'd R'ds, Mich.
		50	WTAP	Cambridge, Ill.
		500	WWAE	Plainfield, Ill.
243.8	1,230	500	KUOM	Missoula, Mont.
		1,000	WAMD	Mi'apolis, Minn.
		50	WEBR	Buffalo, N. Y.
		100	WGBB	Freeport, N. Y.
		100	WNAX	Yankton, S. D.
		100	WRAM	Galesburg, Ill.
		50	WSAZ	Pomeroy, Ohio
245.8	1,220	50	KDYL	Salt Lk. Cy., Utah
		10	KFJI	Astoria, Ore.
		50	KFJY	Ft. Dodge, Ia.
		500	KFSD	San Diego, Cal.
		50	KGY	Lacey, Wash.
		500	WABX	Mt. Cle'ns, Mich.
		5,000	WBAL	Baltimore, Md.
		15	WEBD	Anderson, Ind.
		50	WIBR	Weirton, W. Va.
		50	WQAE	Springfield, Vt.
		500	WRR	Dallas, Tex.
		500	WSOE	Milwaukee, Wis.
247.8	1,210	100	KFBK	Sacramento, Cal.
		50	KFEC	Portland, Ore.
		100	KFIF	Portland, Ore.
		10	KFJB	Marshallt'n, Ia.
		100	KFOX	Omaha, Nebr.
		250	KFRB	Beeville, Tex.
		10	KFYR	Bismarck, N. D.
		50	KWG	Stockton, Calif.
		1,000	WAPI	Auburn, Ala.
		50	WBRC	Birm'gham, Ala.
		100	WCSO	Springfield, O.
		1,000	WEW	St. Louis, Mo.
		10	WGAL	Lancaster, Pa.
		1,000	WIOD	Miami, Fla.
		100	WMAY	St. Louis, Mo.
		250	WNBH	Nw Bdfd, Mass.
249.9	1,200	100	KFDX	Shreveport, La.
		10	KFVY	Albuq'que, N. M.
		500	KFXF	Col. Sp'gs, Colo.
		250	KLS	Oakland, Calif.
		100	KMO	Tacoma, Wash.
		20	KZIB	Manila, P. I.
		50	WFBC	Knoxville, Tenn.
		500	WGES	Oak Park, Ill.
		10	WHBA	Oil City, Pa.
		50	WHBY	W. De Pere, Wis.
		100	WIAD	Philadelphia, Pa.
		100	WLAL	Tulsa, Okla.
		500	WMBB	Chicago, Ill.
		100	WNAB	Boston, Mass.
		100	WNAT	Philadelphia, Pa.
		100	WQAN	Scranton, Pa.
252	1,190	50	KFHA	Gunnison, Colo.
		50	KFOY	St. Paul, Minn.
		15	KFPL	Dublin, Texas
		500	KFWB	Hollyw'd, Calif.
		500	KMA	Shenandoah, Ia.
		200	KOCW	Chickasha, Okla.
		50	KWUC	LeMars, Ia.
		50	WBBS	New Orleans, La.
		100	WCAX	Burlington, Vt.
		100	WFBL	Syracuse, N. Y.
		500	WGCP	New York, N.Y.
		150	WNJ	Newark, N. J.
		100	WRCO	Raleigh, N. C.
		50	WRHM	Min'polis, Minn.
		100	WSRO	Hamilton, Ohio
		100	WTAL	Toledo, Ohio
254.1	1,180	50	KFEL	Denver, Colo.
		50	KFJZ	Ft. Worth, Tex.
		100	KFLR	Albuq'que, N.M.
		100	KFWH	Chico, Calif.
		20	WABC	Asheville, N. C.
		500	WCAJ	Uni. Place, Nebr.
		15	WCBA	Allentown, Pa.
254.1	1,180	500	WEAI	Ithaca, N. Y.
		100	WFBR	Baltimore, Md.
		20	WFBZ	Galesburg, Ill.
		10	WHBC	Canton, Ohio
		100	WIAS	Burlington, Ia.
		50	WJAK	Kokomo Ind.
		10	WJBB	St. P't'rsb'g, Fla.
		500	WNAD	Norman, Okla.
		10	WREC	Coldwater, Miss.
		100	WSAR	Fall River, Mass.
		100	WTAQ	Eau Claire, Wis.
256.3	1,170	100	KFIQ	Yakima, Wash.
		50	KFUS	Oakland, Calif.
		500	KOWW	W'laW'la, Wsh.
		150	KRE	Berkeley, Calif.
		500	KTNT	Muscatine, Ia.
		100	WBAX	Wilkes-Ba'e, Pa.
		500	WBDC	Gd. Rpds., Mich.
		500	WCSH	Portland, Me.
		500	WDOD	Chat'nooga, Tenn.
		100	WHBP	Johnstown, Pa.
		100	WMBC	Detroit, Mich.
		100	WRAK	Escanaba, Mich.
		50	WRHF	Wash'g'n, D. C.
		1,000	WRVA	Richmond, Va.
258.5	1,160	20	KFPW	Carterville, Mo.
		50	KFUL	Galveston, Tex.
		250	KOCH	Omaha, Neb.
		25	WAAD	Cincinnati, O.
		500	WADC	Akron, Ohio
		100	WHEC	Rochester, N. Y.
		100	WLTS	Chicago, Ill.
		50	WNAL	Omaha, Nebr.
		500	WPCC	Chicago, Ill.
		500	WRNY	New York, N.Y.
260.7	1,150	500	KFJF	Okla. C., Okla.
		100	KFMR	Sioux City, Ia.
		100	KFUT,	S. L. City, Utah
		500	KFWA	Ogden, Utah
		1,000	WABQ	Haverford, Pa.
		100	WARC	M'd H'ls'e, Mass.
		50	WDAY	Fargo, N. D.
		250	WEAM	N. Pl'nf'd, N.J.
		500	WKAF	Milwaukee, Wis.
		500	WMAZ	Macon, Ga.
		500	WPSC	State Col., Pa.
		100	WSKC	Bay City, Mich.
		100	WSSH	Boston, Mass.
		100	WTAR	Norfolk, Va.
		15	WTAZ	Lambertv'e, N.J.
263	1,140	50	KFJR	Portland, Ore.
		50	KFMW	Houghton, Mich.
		1,000	KFNF	Shenandoah, Ia.
		50	KTBR	Portland, Ore.
		500	WAAM	Newark, N. J.
		50	WABR	Toledo, Ohio
		250	WCAD	Canton, N. Y.
		1,500	WCAR	San Antonio, Tex.
		5	WCBE	New Orleans, La.
		100	WDAG	Amarillo, Tex.
		500	WDGY	Minapls, Minn.
		50	WEBZ	Savannah, Ga.
		100	WQAM	Miami, Fla.
		100	WRAV	Yellow Spgs., O.
		250	WSDA	New York, N.Y.
		250	WWAO	Houghton, Mich.
265.3	1,130	50	KFFP	Moberly, Mo.
		100	KFIO	Spokane, Wash.
		100	KFPY	Spokane, Wash.
		250	KLZ	Denver, Colo.
		500	WBCN	Chicago, Ill.
		100	WDEL	Wilm'gton, Del.
		1,000	WENR	Chicago, Ill.
		500	WGHB	Clearwater, Fla.
		500	WMAK	Lockport, N. Y.
		100	WTAB	Fall River, Mass.
		500	WWI	Dearborn, Mich.
267.7	1,120	500	KFEQ	Oak, Neb.
		500	KFH	Wichita, Kan.
		50	KFRC	San Fran'co, Cal.
		10	WBBY	Charleston, S.C.
		50	WDAH	El Paso, Tex.
		100	WDRC	N. Haven, Conn.
		500	WEBW	Beloit, Wis.
		250	WFBM	Ind'napolis, Ind.
		100	WJAM	Cedar Rp'ds, Ia.
		100	WJBO	New Orleans, La.
		500	WNOX	Knoxville, Tenn.
		500	WRAX	Gloucester, N. J.
		100	WSAX	Chicago, Ill.
		500	WTAG	Worcester, Mass.
270.1	1,110	500	KFBU	Laramie, Wyo.
		500	KGU	Honolulu, Hawaii
		100	WBAO	Decatur, Ill.
		500	WBAR	Sisiht, Wis.
		100	WDBE	Atlanta, Ga.
		500	WEAN	Providence, R.I.
		1,500	WGHP	Detroit, Mich.
		500	WGST	Atlanta, Ga.
		200	WJAG	Norfolk, Neb.
		500	WJBL	Decatur, Ill.
		750	WOI	Ames, Iowa
		10	WOWL	N. Orleans, La.
		200	WRK	Hamilton, Ohio
		500	WTAW	Col'ge Sta, Tex.
272.6	1,100	100	KFAD	Phoenix, Ariz.
		100	KFDY	Brookings, S.D.
		100	KFIZ	Fond du Lac, Wis.
		50	KFKA	Greeley, Colo.
		100	KFLZ	Anita, Iowa
		250	WBAA	W. Laf'ette, Ind.
		500	WBBR	New York, N. Y.
		250	WDAE	Tampa, Fla.
		500	WEBJ	New York, N.Y.
		10	WFAM	St. Cloud, Minn.
		500	WFBH	New York, N. Y.
		1,000	WHK	Cleveland, Ohio
		250	WIL	St. Louis, Mo.
		500	WRM	Urbana, Ill.
		500	WRW	Tarrytown, N. Y.
		250	WSBF	St. Louis, Mo.
275.1	1,090	50	KFBB	Havre Mont.
		500	KFKU	Lawrence, Kan.
		500	KFSG	Los Angeles, Cal.
		500	KQV	Pittsburgh, Pa.
		50	WABZ	N. Orleans, La.
		500	WAFD	Pt. Huron, Mich.
		500	WBAK	Harrisburg, Pa.
		250	WBT	Charlotte, N. C.
		500	WCAC	Storrs, Conn.
		100	WCAO	Baltimore, Md.
275.1	1,090	100	WEAU	Sioux City, Ia.
		500	WFAV	Lincoln, Neb.
		500	WHAD	Milwaukee, Wis.
		500	WHAR	Atlan. Cy, N. J.
		500	WJAS	Pittsburgh, Pa.
		100	WKY	Oklahoma, Okla.
		20	WLAP	Louisville, Ky.
		100	WMAC	Cazenovia, N. Y.
		15	WOCL	Jamest'n, N. Y.
		5,000	WORD	Batavia, Ill.
		100	WPAK	Agr. Col., N. D.
		250	WSBT	South Bend, Ind.
		500	WSMK	Dayton, Ohio
		1,000	WSWS	Chicago, Ill.
		100	WWL	New Orleans, La.
277.6	1,080	50	KFDD	Boise, Idaho
		100	KFJM	Gd. Forks, N. D.
		500	KOIL	C'ncil Bluffs, Ia.
		100	KUSD	Vermillion, S. D.
		500	KWCR	Cd. Rpds., Ia.
		500	KWWG	Brownsvle., Tex.
		200	WAAF	Chicago, Ill.
		100	WABO	Rochester, N. Y.
		500	WCAU	Phila'phia, Pa.
		100	WDZ	Tuscola, Ill.
		100	WFBG	Altoona, Pa.
		10	WGBC	Memphis, Tenn.
		500	WGBU	Flfd. By-Sea, Fl.
		100	WHAM	Rochester, N. Y.
		500	WHDI	Minneap., Minn.
		500	WLB	Min'polis, Minn.
		500	WLBL	Stevens Pt., Wis.
		50	WMAN	Columbus, O.
		1,000	WOQ	Kansas City, Mo.
		500	WRBC	Valparaiso, Ind.
280.2	1,070	750	KFAU	Boise, Idaho
		1,500	KFQA	St. Louis, Mo.
		1,500	KMOX	St. Louis, Mo.
		500	KOAC	Corvallis, Ore.
		500	WNAC	Boston, Mass.
282.8	1,060	500	WOAN	Lwrcebg, Tenn.
		1 000	WSM	Nashville, Tenn.
285.5	1,050	500	WEMC	Ber. Spgs., Mich.
		1,000	WKAR	E. Lans'g, Mich.
		500	WREO	Lansing, Mich.
288.3	1,040	5,000	KFKX	Hastings, Neb.
		3,500	WLWL	New York, N. Y.
293.9	1,020	750	KTBI	Los Angeles, Cal.
		500	WAIU	Columbus, O.
		500	WEAO	Columbus, O.
296.9	1,010	750	KPRC	Houston, Tex.
299.8	1,000	1,000	KSL	Salt Lake City, Utah
		750	KUOA	Fayettv'le, Ark.
		500	WPG	Atlan. Cy., N. J.
302.8	990	1,000	WGN	Chicago, Ill.
		4,000	WLIB	Elgin, Ill.
305.9	980	1,000	KOMO	Seattle, Wash.
		500	WJAR	Providence, R. I.
309.1	970	1,000	KDKA	Pittsburgh, Pa.
315.6	950	500	KFDM	Beaumont, Tex.
		1,000	KPSN	Pasadena, Cal.
		500	WAHG	Rich'd. H, N. Y.
		500	WGBS	New York, N. Y.
319	940	1,000	KOIN	Portland, Ore.
		750	WGR	Buffalo, N. Y.
		500	WSMB	N. Orleans, La.
322.4	930	5,000	KOA	Denver, Colo.
325.9	920	1,000	WKRC	Cincinnati, O.
		5,000	WSAI	Cincinnati, O.
329.5	910	500	KWKH	Shreveport, La.
		1,500	WJAZ	Chicago, Ill.
333.1	900	2,000	WBZ	Springf'd, Mass.
336.9	890	500	KFMX	Northfd., Minn.
		1,000	KNX	Los Angeles, Cal.
		500	WCAL	Northfd., Minn.
		1,000	WJAX	Jacksonv'le, Fla.
340.7	880	1,000	KFAB	Lincoln, Neb.
		500	KSAC	Manhat'n., Kan.
		500	WKAQ	S. Juan, P. R.
		500	WMCA	New York, N. Y.
344.6	870	5,000	WCBD	Zion, Ill.
		5,000	WLS	Chicago, Ill.
348.6	860	1,000	KOB	State Col., N. M.
		500	KWSC	Pullman, Wash.
		500	WEEI	Boston, Mass.
352.7	850	500	WJAD	Waco, Tex.
		1,000	WWJ	Detroit, Mich.
360	833	500	KZUY	Baguio, P. I.
361.2	830	4,000	KGO	Oakland, Calif.
		500	WHN	New York, N. Y.
		500	WQAO	New Yk, N. Y.
365.6	820	1,000	WDAF	Kan. City, Mo.
		500	WHB	Kan. City, Mo.
370.2	810	2,000	WEBH	Chicago, Ill.
		1,000	WJJD	Mooseheart, Ill.
374.8	800	750	KTHS	Hot Springs, Ark.
		500	KVOO	Bristow, Okla.
379.5	790	5,000	WGY	Schenectady, N.Y.
		1,000	WHAZ	Troy, N. Y.
384.4	780	1,000	KJR	Seattle, Wash.
		500	WAAW	Omaha, Neb.
		500	WMBF	Miami B., Fla.
389.4	770	750	WEAR	Cleveland, O.
		3,500	WTAM	Cleveland, O.
394.5	760	1,000	KHQ	Spokane, Wash.
		500	WFI	Philadelphia, Pa.
		500	WLIT	Philadelphia, Pa.
		2,000	WOAI	S. Antonio, Tex.
399.8	750	500	WHAS	Louisville, Ky.
		3,500	WHT	Chicago, Ill.
405.2	740	500	KHJ	Los Angeles, Cal.
		1,000	WJY	New York, N. Y.
		500	WOR	Newark, N. J.
416.4	720	5,000	WCCO	Minn.-St.P., Mn.
422.3	710	1,000	WKRC	Cincinnati, O.
		5,000	WLW	Cincinnati, O.
428.3	700	1,000	KPO	San Fran., Cal.
		1,000	WSB	Atlanta, Ga.
434.5	690	750	AT9	Fort Bragg, N. C.
		1,000	NAA	Radio, Va.
440.9	680	1,000	KLDS	Independ., Mo.
		500	WDWF	Providence, R.I.
		1,000	WMAF	Dartmth, Mass.
		500	WOS	Jefferson Cy., Mo.
447.5	670	1,000	WMAQ	Chicago, Ill.
		500	WQJ	Chicago, Ill.
454.3	660	1,000	KFOA	Seattle, Wash.
		1,000	KTW	Seattle, Wash.
		1,000	WJZ	New York, N. Y.
461.3	650	500	WCAE	Pittsburgh, Pa.
467	642	4,000	KFI	Los Angeles, Cal.
468.5	640	500	WCAP	Washing'n, D. C.
		1,000	WRC	Washing'n, D. C.
475.9	630	1,500	WBAP	Ft. Worth, Tex.
		500	WFAA	Dallas, Tex.
		500	WTIC	Hartford, Conn.
483.6	620	5,000	WOC	Davenport, Iowa
		500	WSUI	Iowa City, Ia.
491.5	610	1,000	KGW	Portland, Ore.
		5,000	WEAF	New York, N. Y.
499.7	600	500	KFRU	Columbia, Mo.
		500	WMC	Memphis, Tenn.
508.2	590	1,000	KFQB	Ft. Worth, Tex.
		500	KLX	Oakland Cal.
		500	WIP	Philadelphia, Pa.
		500	WOO	Philadelphia, Pa.
516.9	580	5,000	WCX	Detroit, Mich.
		5,000	WJR	Pontiac, Mich.
526	570	5,000	WHO	Des Moines, Ia.
		1,000	WNYC	New York, N. Y.
		1,000	WOAW	Omaha, Neb.
535.4	560	3,500	KYW	Chicago, Ill.
		750	WHA	Madison, Wis.
545.1	550	500	KFUO	St. Louis, Mo.
		500	KSD	St. Louis, Mo.

CANADIAN STATIONS BY WAVE LENGTHS

Wave length	Frequency (kilocycles)	Power (watts)	Call signal	Location
247.8	1,210	75	CFKC	Thorold, Ont.
267.7	1,120	20	CFMC	Kingston, Ont.
		500	CFRC	Kingston, Ont.
291.1	1,030	20	CFXC	Nw Wstmtr., B.C.
		500	CJYC	Toronto, Ont.
		500	CNRV	Vancouver, B. C.
296.9	1,010	15	CHWC	Regina, Sask.
312.3	960	50	CFCY	Charlotn., P.E.I.
		500	CKCK	Regina, Sask.
		500	CNRA	Moncton, Can.
		500	CNRR	Regina, Sask.
322.4	930	100	CHNS	Halifax, N. S.
329.5	910	500	CFCT	Victoria, B. C.
		500	CFQC	Saskatoon, Sask.
		500	CHUC	Saskatoon, Sask.
		1,000	CJGC	London, Ont.
		250	CJWC	Saskatoon, Sask.
		5,000	CKCW	Brktn. Jct., Ont.
		500	CNRS	Saskatoon, Sask.
		500	CFCU	Hamilton, Ont.
340.7	880	10	CHCS	Hamilton, Ont.
		50	CKOC	Hamilton, Ont.
356.9	840	500	CFCA	Toronto, Ont.
		500	CHIC	Toronto, Ont.
		750	CHNC	Toronto, Ont.
		250	CHSC	Unity, Sask.
			CJBC	Toronto, Ont.
		50	CJCD	Toronto, Ont.
		500	CJSC	Toronto, Ont.
		500	CKCL	Toronto, Ont.
		750	CKNC	Toronto, Ont.
		500	CNRT	Toronto, Ont.
384.4	780	500	CKY	Winnipeg, Man.
		500	CNRW	Winnipeg, Man.
410.7	730	1,650	CFCF	Montreal, Que.
		10	CFCQ	Vancouver, B. C.
		500	CFVC	Burnaby, B. C.
		750	CHYC	Montreal, Que.
		1,200	CKAC	Montreal, Que.
		750	CKCD	Vancouver, B. C.
		50	CKFC	Vancouver, B. C.
		1,000	CNRM	Montreal, Que.
434.5	690	500	CFAC	Calgary, Alta.
		1,800	CFCN	Calgary, Alta.
		750	CHCM	Calgary, Alta.
		250	CHXC	Ottawa, Ont.
		100	CKCO	Ottawa, Ont.
		750	CNRC	Calgary, Alta.
		500	CNRO	Ottawa, Ont.
499.7	600	250	CFCH	Iroquois, Ont.
516.9	580	100	CFCK	Edmonton, Alta.
		500	CJCA	Edmonton, Alta.
		500	CNRE	Edmonton, Alta.

CUBAN STATIONS BY WAVE LENGTHS

Wave length	Frequency (kilocycles)	Power (watts)	Call signal	Location
200	1,500	20	5AZ	Mantanazs
		10	6HS	Santa Clara
		20	6YR	Camaguey
210	1,430	10	2RM	Havana
225	1,333	5	2XX	Havana, Cuba
		10	6DW	Santa Clara
		10	7AZ	Camaguey
		15	8FU	Santiago
		20	8JQ	Santiago
230	1,304	20	2TW	Havana
235	1,277	10	2AB	Havana
		10	2LR	Havana
		20	7BY	Camaguey
240	1,250	20	8AZ	Santiago
250	1,200	50	Q2LC	Havana
		10	6GR	Santa Clara
		10	6JQ	Santa Clara
		100	8BY	Santiago
255	1,176	15	2BB	Havana
275	1,170	100	2OL	Havana
260	1,153	200	6BY	Santa Clara
270	1,110	20	2JP	Havana
275	1,090	30	1AZ	Havana
		5	2JL	Havana
280	1,070	20	2MG	Havana
282	1,060	10	2UF	Havana
295	1,016	100	2HP	Havana
315	952	100	2BY	Havana
320	937	10	2CX	Havana
320	937	100	2RK	Havana
338	890	4,000	6KW	Twinucu
350	857	10	2CG	Havana
		500	7SR	Elia
355	845	400	2EP	Havana
360	833	100	2OK	Havana
		10	5EV	Colon
400	750	500	PWX	Havana

MEXICAN STATIONS BY WAVE LENGTHS

Wave length	Frequency (kilocycles)	Power (watts)	Call signal	Location
260	1,153		CYF	Oaxaca, Mex.
265	1,130		CYA	Mexico City, Mex.
310	967		CYS	Mexico City, Mex.
			CZF	Chih'u City, Mex.
325	923		CYH	Mexico City, Mex.
333	900		CYX	Mexico City, Mex.
350	857		CZE	Mexico City, Mex.
380	790		CYB	Mexico City, Mex.
400	750		CYZ	Mexico City, Mex.
480	625		CYL	Mexico City, Mex.

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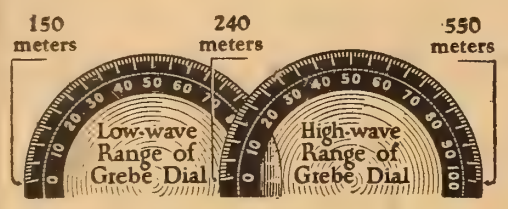

The high-wave reception range of the Grebe dial (B)—from 550 down to 240 meters—equals the practical tuning range of the usual receiver. The low-wave range of the Grebe dial (A) provides additional reception down to 150 meters.

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The *Colortone* gives full control over the loud speaker, harmonizing it with the set and keeping the pitch right for voice or instrument. It also makes it possible to reduce, to a great degree, disturbances due to static and to suppress high-pitch frequencies caused by heterodyne interference of one station with another.

The *Grebe Binocular Coils* keep the set free from disturbing waves from undesired stations, giving an isolation that is unusual.

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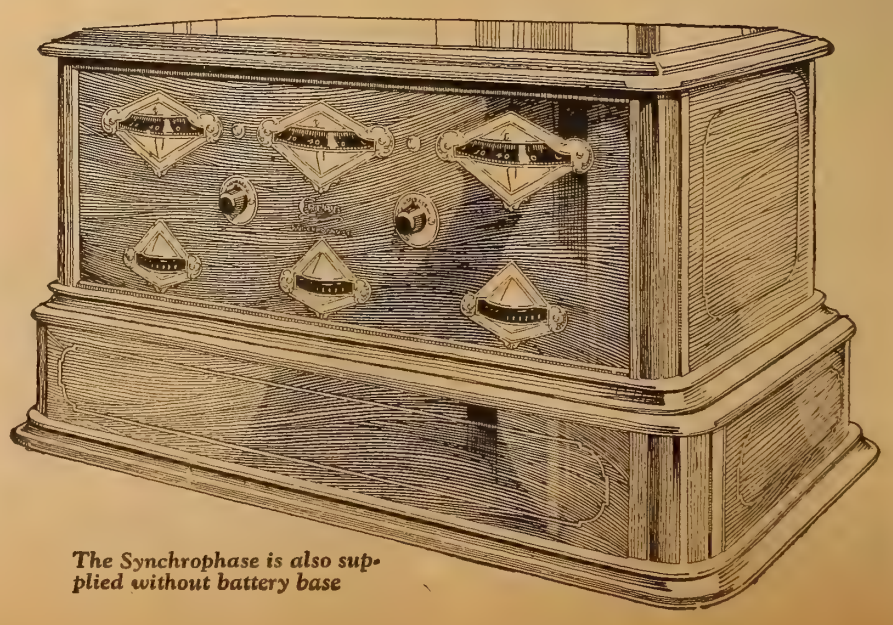

The Synchrophase is also supplied without battery base

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What Will Happen to Broadcasting?

Radio Digest

TWICE A MONTH

FIFTEEN CENTS

FIRST AUGUST NUMB

Vol. XVIII No. 2

Fame Crowns Iowa's Oil Twins; "Big Brother" Bob Emery and His Great Work at WEEI; Diagnose Your Set Troubles—Here's the Chart; Gold Cup Standing; Women's Programs

No. 12 OFFICIAL BALLOT

Announcers' Contest

RADIO DIGEST THIRD ANNUAL GOLD CUP AWARD

GOLD CUP AWARD Editor, Radio Digest,
510 North Dearborn Street, Chicago, Ill.

Please credit this ballot to:

.....of Station.....
(Announcer's Name) (Call Letters)

Signed .....

Address .....

City .....State.....

8-1-26

TEN LEADERS STILL SAME FOR GOLD CUP

ARNOUX CONTINUES AT TOP OF LIST AND ADDS VOTES

Chester Gaylord of WTAG Shows Strength by Heavy Increase—Canada Becomes More Active

For the first time since standings have been published for the 1926 Radio Digest Gold Cup Award for world's most popular Radio announcer, this issue's report shows that the ten leading candidates are still in the same identical places they held the last time the standing appeared. It seems that the leaders have clinched their positions—but wait for the end when the bonus vote comes into account!

The twelfth ballot appears this issue. There will be but two more. Who will get the solid gold cup valued at $5,000?

In the meantime, G. C. Arnoux of KTHS leads, E. E. May of KMA is second, Norman Brokenshire of WJZ is third and Chester Gaylord of WTAG remains fourth. These four candidates have shown the most activity recently in the addition of votes which may or may not be taken as an indication of strength.

Arnoux added approximately 15,000 votes, May 10,000, Brokenshire 5,000, and Gaylord 13,000—a figure nearly as large as the leader, Arnoux.

Standing of Leading Twenty-Five

The present standing of the first twenty-five candidates is given below. The figure in parentheses following the names and stations of certain announcers, indicates their order in the standing last issue if they were in the first twenty-five.

1. G. C. Arnoux, KTHS (1).....48,161
2. Earl E. May, KMA (2).....35,465
3. N. Brokenshire, WJZ (3).....29,543
4. C. Gaylord, WTAG (4).....28,036
5. Pat H. Barnes, WHT (5)....18,492
6. A. S. Kyne, KMMJ (6).....14,461
7. Henry Field, KFNF (7).....12,406
8. The Hired Hand, WBAP (8)..11,234
9. Phillips Carlin, WEAF (9).. 7,527
10. Peter MacArthur, WOC (10) 5,781
11. C. R. Randall, WSMB (13).... 5,053
12. Louis J. Johnen, WLW (11) 4,565
13. Gayle V. Grubb, KFAB (12) 4,082
14. R. W. Griffin, WHO (14)..... 4,024
15. Lester Palmer, WOAW (15) 3,236
16. Lambdin Kay, WSB (16)..... 2,825
17. W. G. (Bill) Hay, WGN (22) 2,417
18. Edw. B. Husing, WRC (21).. 2,346
19. E. L. Tyson, WWJ..... 1,938
20. J. T. Schilling, WHB (19).... 1,895
21. Jerry Sullivan, WQJ (17).... 1,772
22. Paul Johnson, WCCO (18).... 1,738
23. E. Konecky, WOAW (20).....1,618
24. Sen Kaney, KYW (24)..... 1,545
25. N. Dean Cole, WHO (25)..... 1,514

Canadian Silver Cup Standing

Two new aspirants for the special silver cup to be awarded to the most popular Canadian announcer for 1926, have made their appearance, and while their vote is as yet not threatening, the list of leaders has been extended to seven this time to show the changes caused. The two new men are Robert W. Combs of CKNC and Jacques Cartier of CKAC. Miss Lillian Shaw of CKY still holds the lead to good advantage, however. The standing is:

1. Lillian Shaw, CKY (1).....4,436
2. Bert Hooper, CKCK (2).....1,092
3. H. C. Fricker, CKCL (3)..... 691
4. Robt. W. Combs, CKNC..... 560
5. Geo. A. Wright, CNRV (4)..... 396
6. Jacques Cartier, CKAC..... 307
7. C. W. Darling, CFCF (5)..... 104

How to Get Bonus on Votes

As a reward for saving consecutively numbered ballots and casting them at one time for the same candidate, a bonus vote, with size depending on the number in consecutive order, is credited to that candidate.

Each of these ballots will count for one vote when sent in separately. You can hold these ballots until you have four that are consecutively numbered and when they are sent in, a bonus of eight votes or total of twelve will be granted.

The larger number of consecutive ballots submitted, the greater is the bonus allowed. Eight consecutive ballots receive a bonus of twenty votes. Twelve consecutive ballots receive a bonus of thirty votes, or a total of forty-two votes. For a complete series of ballots, including one from each issue from March 27 to September 1, a bonus of fifty votes will be allowed.

AL JOLSON PICKED FRONT COVER GIRL

IT TAKES Al Jolson, the famous comedian, to appraise beauty and talent quickly and correctly wherever he finds it. His discerning eye peeps out from the burnt cork ever alert to detect a new voice and a charming face. For instance, he discovered Miss Ethel Rose-Scott, the beauty who adorns the Radio Digest cover this issue. Since then his judgment has been heartily approved by admiring Radio fans throughout the country for Miss Ethel's voice has been heard from broadcasting studios from Broadway to Los Angeles. Just now she is a favorite at KHJ, the gravitating center of the Hollywood stars who are heard on the air.

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Radio Digest, Illustrated, Volume XVIII, Number 2, published Chicago, Illinois, August 1, 1926. Published semi-monthly on the first and fifteenth of each month by Radio Digest Publishing Co. (Incorporated), 510 N. Dearborn Street, Chicago, Illinois. Subscription rates yearly, Three Dollars; Foreign Postage One Dollar additional; single copies Fifteen Cents. Entered as second class matter May 3, 1926, at the post office at Chicago, Illinois, under the Act of March 3, 1879. Title Reg. U. S. Patent Office and Dominion of Canada.
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Looking Ahead

Professorial Dignity and Campus Nonsense Make WEAO, Ohio State University, versatile and instructive as well as entertaining. Pen and camera review in the mid-August Radio Digest.

A Wren Carols From a Mountain Side and WFBG, Altoona, Pa., Speaks to the Nation—one of the smallest national broadcasters. Read "Voice of the Alleghenies" in next Radio Digest.

Uncle Sam Sits On His Own Front Porch and Talks to the whole Sam family from coast to coast and border to border through WCAP at Washington. Pictures and details "on the fire."

A Whirlpool In a Goldfish Bowl! Her Neighbor's Fish Cage and one little lie drove Lois from the placid waters of the home town into the dizzy swirl of city night life. It's a brilliant new serial written especially for Radio Digest by Merlin Moore Taylor, and he's named it "GOODY GOODY GIRL"—first installment soon.

A Prince, Gangster Gunmen and a Sweet Girl All Mixed Up in a High Flying Night Club figure in an interesting two-part story by Maurice Coons. The first installment will appear in Radio Digest August 15.

And the Fall Guy Pulls a Fast One on the Big Traction Magnate at Valley View which you will greatly appreciate in the concluding chapter to be pubished in Radio Digest of the next issue.

What's New in Radio—In Which the Technical Editor Will Give thumb nail sketches covering advance receiving set models for those who feel that Radio is "slipping."

Indicating Meters—Their Use—Abuse—and Importance in a Radio Receiver. Read this important article which tells the plain truth about taking the guess out of Radio.

Special articles about broadcasting stations and artists, with photographs, and NON-RADIO fiction 5,000, 10,000 and 30,000 words in length are desired. No manuscripts accepted unless typewritten and prepaid, or returned without return postage being inclosed. All manuscripts are sent at owner's risk.

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SHORT WAVES

By Marcella

No, Lester Palmer and "Dizzy Izzy," of WOAW, are not the same person. Many seem to think so, but they are two individuals. Dizzy Izzy is played by Eugene Konecky, announcer and poet laureate of WOAW. He is rather short, say 5 feet, and weighs about 130 pounds. He is round faced, wears "specs" and is usually in the act of smiling. Has been with WOAW since it opened, and ah—he admits that he is married happily, and has a boy four years old whom he is training to take his place. Mr. Konecky is full of modern ideas and all the girls write in to him just the same. Lester Palmer, his co-announcer and program director, is also a veteran of WOAW, having been with the station since the start. "L. P." as he announces himself, is perhaps 5 feet 5 inches tall, 135 pounds in weight, blond haired with blue eyes, good looking, 25 years old and single. He is American born of Swedish extraction, member of the English Lutheran church, belongs to the Tangier Temple Shrine, has written several songs, and just recently hung out his shingle as a budding young lawyer.

* *

Now and then a "he" writes in to find out about his favorite sopranos. I will say fewer hes than shes write to Marcella, however. But here is "E.K.C." who want to know about Ruth Etting of WLS and Ruth King, formerly of WTAM. Penchant for Ruths, Yes? Miss Etting, rather I mean Mrs. Etting, for she is married, is a pretty little blue-eyed blonde, 112 pounds, light and born about a quarter century ago. Miss King—you are luckier here—is not with WTAM any longer but is at present in the entertainment booking business in Cleveland. Besides being single, attractive and a good dancer, she has bobbed, dark brown hair, brown eyes if I remember correctly, a pleasant disposition and ability to play championship tennis. Her weight is about 125 to 130 pounds, and she stands about 5 feet 5 or 6 inches tall.

* *

Our famous Los Angeles correspondent, G. L. King, writes, "Please tell 'Marcella' that Clyde Hager is no longer with KFQZ, Hollywood." There, I've told myself and you too. Frank Creswell is now announcer and Frank Barry, cowboy tenor, program director at KFQZ. The whereabouts of Mr. Hager are not uncovered. Mr. King adds a note to the effect that Chet Boone and Tom Mitchell, both well known to southern California listeners, are now joint managers of KNRC, Los Angeles.

* *

Henry Anderson, studio director of KSO, Clarinda, Ia., is admired by "Jeanette," who would know him better. Yes, for the most important question, he is still single. He is a tall, six foot, slender, black haired "sheik." He has piercing black eyes, is very absent-minded when it comes to remembering where he puts his hats and shoes, and is still well under thirty years of age. Mr. Anderson arranges all the KSO programs and gives vocal selections himself quite often.

* *

The Harmony Girls, Mrs. "M. J. E.," record with Brunswick. The record concerns can no doubt tell you what Radio stars they have recorded.

* *

Thanks for "them kind words," "Ruby," and just for that I'm going to answer your questions right near the top of the column. Elsie Mae Look, (cute name isn't it?) who is heard with Ralph Emerson and Jerry on programs from WLS, is a cute little girl with light brown hair. She is short and a little plump, young and pretty, and single. She plays and teaches the organ and works with Ralph Emerson at his organ school. Jerry, they say, is "Dud" Richards, who happens recently to have been married. Dud is short, with curly black hair, pleasant features, a splendid sense of humor and ability to entertain. I won't guess his age, because I might be wrong, but I'm sure he's over the thirty mark.

* *

And here's another "he" inquirer who wants to know what has become of Rose Vanderbosh, former studio accompanist at WQJ. Well, "J.C.D.," she is still in Chicago but not on the air. She has a splendid position as accompanist for the prima donna at the Samovar cafe. Rose is very pretty with her very dark hair, light blue eyes, supple slenderness, youth and personality. She is single, but there is a rumor current that she is engaged to some fortunate young man.

* *

Is Charlie Wellman, of KFWB, married? asks "Gladyce." Very much so. He has a 12-year-old son. His wife is at present very ill—has been for the past six or eight months. She is staying at Venice, Calif., to get the beneficial effects of the salt air and has a Radio set that will tune to nothing but KFWB. Don't believe I have ever known a more devoted couple. Whatever his faults may be—tra, la, la—Charlie Wellman is a wonderful husband. You are a baker's dozen years too late, Gladyce.

(Continued on page 11)

HOOVER LOSES CONTROL OF RADIO

MEMORIAL PLANNED FOR RADIO MARTYR

START FUND FOR LESTER WOLF MONUMENT

Boy Operator Killed at WOK, Homewood, Called First to Die Broadcasting.

He was only a boy in his teens but his name will live in Radio history as the first martyr in the field of broadcasting for public entertainment. One of the big New York broadcasting stations has already started a fund that a monument may be erected to perpetuate the memory of Lester J. Wolf, 19 years old, killed at his post of duty as assistant operator for Station WOK, Homewood, Ill., July 10.

There was no thought of tragedy in the minds of the revelers who danced away the midnight hours in the Moon-Lite Gardens of the Chicago Beach Hotel. Never had Conductor Katz and His Kittens been in better fettle. The great room was aglow with soft and tinted lights. Over the heads of the dancers Katz sometimes peered through the towering windows on the broad veranda where happy couples and little groups strolled in the pale light and listened to the gentle lap of the water on the beach below. But hearts beat faster in the Garden.

Musicians Urged to Play

"Valencia! Valencia!" It was just forty minutes past midnight and a dozen voices called for the delirious European melody. Smilingly Katz turned to his Kittens and the seductive strains from this latest craze swept through the room. Its exotic rhythm sent gilded heels gliding across the glistening floor. Sparkling lights, gleaming shoulders, jeweled fingers, radiant faces, brilliant costumes, spotless linen and fathomless black revolved in a kaleidoscopic array.

Over the orchestra, suspended by invisible wires, glistened a small disk acutely tuned, which sucked up the music and atmosphere and whisked it like magic along a wire to the WOK broadcasting station, twenty miles distant, and throughout the Middle West into homes where lonely hearts were hungry for happiness and joy, trickled the gaiety of the Moon-Lite Gardens and Katz and His Kittens.

Valencia surged on to its exulting finish. Life was sweet. Happiness reigned. Fair hands and strong burst into a thunder of applause. The vigor of the ovation pressed a sensitive metallic membrane against a wall. A pop of blue flame in the station at Homewood! Silence in the home receivers.

Applause Blows Fuse

"Fuse blown!" exclaimed Herman Pomy, the chief operator.

"I'll fix it," answered Lester, springing to the mysterious assortment of wires and apparatus of the back panel. He was proud of his knowledge of what all those little wires and attachments signified.

Pomy joined him and they both started looking for the fuse that had blown.

"I've found it," shouted the boy, forgetting in his youthful eagerness the switch to divert the deadly current, as his fingers reached for the fuse connection. A muffled groan as 6,000 volts shot through his body. He crumpled into a half sitting posture on the floor. Pomy bent over him, white and staring.

"My God, Less, what did you do?"

"Never mind, I'm all right now."

But the lids dropped wearily over his eyes, his head lolled inert, his jaw sagged and Pomy rested the tired boy on the floor while he ran to the phone.

Doctor Finds Boy Dead

Eight agonizing minutes by the station clock Pomy waited for the doctor. The physician placed a stethoscope over the boy's heart. There was the barest tremor but in a moment even that had become forever still.

"Valencia! Encore!" dancers called in the Moon-Lite Gardens.

"What's the matter?" George W. Allen, director, had Homewood on the wire. "The station is silent."

"Less is killed. The applause blew a fuse and he tried to fix it without pulling the switch," explained Norman E. Wunderlich, chief engineer, who had come running to the station.

A week later the president of Neutrowound, which owns the station, received a wire from Station WRNY, New York. They proposed to raise $10,000 for the parents of the boy who live in Homewood. But the father declined, with expressions of appreciation, to accept any funds for the loss of their pride and joy.

"Then we'll erect a monument to the first martyr of Radio entertainment broadcasting," answered the New York station. WOK subscribed the first thousand dollars.

Lester had worked in New York and Philadelphia before coming to the Chicago territory. With his amateur station 9ALQ he was a member of the American Radio Relay League.

No Radio Conference This Fall Hoover Declares Until Legislation Is Passed

Secretary of Commerce Believes Confusion Would Result—Stamps Approval on Self-Government by Broadcasters—Announces No Licenses Will Be Issued Except to Completed Stations

WASHINGTON, D. C.—No Radio conference will be held in Washington next autumn, according to the announcement made by Secretary Hoover. This will be the first time in five years that a conference has not been held.

Mr. Hoover believes that the calling of a conference in the autumn would effect no good purpose inasmuch as last year's conference went on record on Radio legislation and no action has yet been taken on the recommendations. The calling of such a conference, he thinks, would lead rather to confusion than otherwise.

Reports are being received by the secretary of the establishment of various Radio control associations amongst the broadcasters. These, he believes, will be more of a local than a national character and he views them as he would anything that makes for better self-government.

In connection with the issuance of new broadcasting licenses, Mr. Hoover has ordered that such licenses will not be issued except upon the completion of a station. This means that the 600 odd stations which have applied for licenses will receive them immediately, but only upon completion of their stations providing they decide to go ahead and erect them.

MISS FISHER IN "RADIO GOWN"

"What an unusual costume, must be a Radio gown!" exclaimed Marcella when the above photograph was received in the Radio Digest editorial department. "You see the skirt radiates from the waist and all those little ruffles represent the ether waves. But that isn't important. The lady is Miss Marian Fisher, coloratura soprano at WOAW, Omaha. And, if I'm not mistaken, she's one of the principal reasons Lester Palmer, announcer, enjoys his work there so well." The gown is ankle-length.

Dr. Lee DeForest Honored By Yale University Degree

NEW YORK.—The degree of Doctor of Science has been conferred upon Dr. Lee DeForest, "Father of Radio," by the faculty of Yale university. On the occasion, Prof. William L. Phelps said:

"A graduate of the Sheffield Scientific school in 1896, Dr. DeForest is celebrating his thirtieth reunion, and his classmates are celebrating him. He took a doctor's degree at Yale in physics in 1899, and since then has devoted himself with patience, perserverance and indomitable resolution to research in the general field of communication, to which he has made a fundamental contribution by his invention of the audion. This invention has made possible the development of world-wide Radio communication by telegraph and telephone; it has made it possible by wire telephony to carry on conversation over a gulf of 5,000 miles. Dr. DeForest is one of the foremost magicians in the romantic domain of modern science; he has helped to make the present age pre-eminently the age of miracles."

Jack Riley's Orchestra on Air Now Over Station WDAF

KANSAS CITY, Mo.—A new orchestra, under the direction of Jack Riley, has taken the place of Billy Adair's orchestra at the Hotel President and has become one of the "Around the Town" group of WDAF, the Kansas City Star station.

The orchestra is heard Tuesday and Thursday nights on the "School of the Air" program from 6:30 to 7 o'clock, Central time, and also on the "Around the Town" program Saturday nights. There are five pieces in the orchestra, which has been arranged for playing both concert and popular numbers.

Erbstein Show Nets $5,000

CHICAGO.—Over $5,000 was taken in at the Auditorium theater recently during the benefit performance given by Charles E. Erbstein to provide smokes for disabled soldiers at government hospitals. Stars from fifteen Chicago Radio stations and from current loop attractions provided the entertainment for the 2,000 persons who were in attendance.

LAW SMASHES BUT CHAOS IS IMPROBABLE

To License All Stations

They Must Not Interfere, However, and Public Opinion Will Hold Whip, Belief

WASHINGTON, D. C.—"Build your station, pick a non-interfering wave and time schedule, apply to the department of commerce for a license, which must be granted, and go on the air."

Such is the meaning of the recent opinion of the antiquated 1912 Radio law, handed to Secretary of Commerce Hoover at his solicitation by the United States attorney general. In view of the fact that congress failed to pass any Radio legislation, Secretary Hoover was uncertain as to how far his department could go in the control of Radio.

He found out.

Broadcasting stations of the United States are now at liberty to use any wave length they see fit outside the band between 600 and 1,600 meters, according to the official decision.

Will Chaos Result?

Newspapers, broadcasting stations and listeners have been clamoring to learn, following the decision, whether or not this would mean chaos in the air. Many fear that it will come. Others are equally confident that it will not and cannot.

The second group is nearest correct. Chaos, in the strictest sense of the word, will not result. Even the 1912 Radio law provides that a station dare not "willfully or maliciously" interfere with the signals from another station. Such being the case, the anticipated rush of 600 waiting applicants for broadcasting licenses will be somewhat checked, for most of them will find it extremely difficult to find a wave length or hours on which they can use a certain wave length, with any speakable power, without causing interference in some degree.

Public opinion, it is believed, will handle the situation until adequate legislation is passed by congress in December. Most of the existing stations are "standing pat" on their wave lengths and present hours of operation.

Department of Commerce Statement

In an official statement relative to the attorney general's decision, the department of commerce says:

"The failure of congress to complete Radio regulation and the confusing decisions of the courts on the Radio law of 1912, led the department to request from the attorney general an opinion on the whole question of departmental authority.

"The most important feature of the opinion is in respect to the right to assign an authority to enforce or deny the use of particular wave lengths to individual stations. This question is the key to all regulation.

"Since 1923 the department has been making such assignments. In doing so it has followed the decision of the court of appeals of the District of Columbia, rendered in that year. That court directly held that the secretary was, by the law of 1912, under the duty to make such assignments for the purpose of preventing interference. Until April of this year this was the only court ruling on the subject.

"The recent decision of the Chicago court, however, cast doubt on this authority, since it adopted a construction of the 1912 act directly contrary in this respect to the view taken by the court of the District of Columbia.

"The attorney general now likewise disagrees with the construction of the district court of appeals and advises that while under the law each applicant for a license must designate a definite wave length, outside the band between 600 and 1,600 meters, yet he is at liberty to use other wave lengths at his will.

Must Issue Licenses

"The department will, therefore, in accordance with the opinion, not assign wave lengths, but will merely recite on the face of the license the wave length selected by the applicant as the normal wave length of the station. Under the attorney general's opinion, no authority exists in the department, or elsewhere, to compel adherence to this wave length, and the department must issue licenses to each applicant.

"The general effect of this opinion is that regulation has broken down and sta-

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Fame Crowns Iowa's Oil Twins

Oil Twins Doing Their Stuff at KOIL, Council Bluffs. John Wolf strums "de ol' banjo" and Ned Tollinger "carries the air."

NED TOLLINGER and John Wolf of Council Bluffs "Discover" Each Other on a Flivver Ride—Now on National Singing Tour for KOIL

OH, YES, it was quite an eventful party—some party!

They didn't think so much about it at the time. But you never can tell how those things are going to turn out. If it hadn't been for that party you, I and a million or so other folks scattered promiscuously between two of the world's most famous oceans never would have seen nor heard these Oil Twins from Council Bluffs.

But that is the way fate has of doing things. It was a regular party one of the town boys threw at a farm house just beyond the corporation limits last August. Ned Tollinger and John Wolf happened to be two of the boys who were invited. They took their girls in a borrowed flivver. They had a wonderful time. It was the first occasion the four of them ever had been to a party together.

As they chugged along the country road on their way home they were still feeling pretty good (nothing wrong about that) and one of the girls said: "Let's have a song."

"What do you want to sing?" asked Ned.

"Oh, let's try one of the old ones—Sweet Adeline."

"Sweet Adeline . . . " piped off Ned in a very fine, very steady baritone.

"Swe-eet, swee-eet Ade-Adeline," chimed in John's clear and vibrant tenor with a few variations of his own composition.

Each stared at the other and the girls gaped at both of them. Their voices were blending together in one of those amazing harmonies that generally are discovered by accident. Each voice seemed a counterpart of the other. They both remarked about it and the girls clapped their hands in an ecstacy of unbridled glee and joy.

"Guess we're a team," said Ned.

"Never knew I could sing so good," said John.

"Try that new one about 'Anybody Here Seen Sally,' or 'What's Become of Sally,' or something like that," suggested one of the girls.

"Oh, nix on that. Let's try 'You Forgot to Remember,'" advised Ned.

And that proved even better than "Adeline." One of the girls had a friend who had a friend whose cousin was connected with the KOIL broadcasting station at Council Bluffs. So she said the boys were so wonderful they ought to be heard on the air.

They practiced together a few times and John disclosed his fine technique with the piano, the guitar and the banjo. Finally they were booked for a September date.

It was a day of trembling and just a little bit of fear when they found themselves waiting in the luxuriously furnished studio of KOIL. But once they had sounded out before the microphone they were right at home and forgot everything else except just blending their voices together.

They had no sooner finished than the telephone began to ring and one of the girls called up to tell them that their voices had come over the air even better than it had sounded in the flivver that first night when they discovered each other. Then others began to call up wanting to know who the new singers were.

"The tenor and the baritone?" quizzed the announcer, "why that's our new team—the Oil Twins."

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Boston Booms Big Brother Club

Bob Emery of Station WEEI Binds 30,000 Members in Radio Fraternity. Little Sisters Also Admitted. Provide Own Entertainment on Daily Programs.

By MARSHAL Z. TAYLOR

WHILE the peace propagandists are fighting it out and there is much palaver going around in a loose way about the "brotherhood of man" something real and practical along this line is being accomplished by the Radio broadcasters.

"Big Brothers" are springing up in all quarters. Independently of each other they are weaving little threads through the ether that eventually may be welded into steel chains to protect and uplift the nation.

One of the earliest pioneers of all the Radio brothers is Big Brother Bob Emery at WEEI, Boston. Listen in when Brother Bob has convened the Boston Edison Big Brother club and you will never accuse the Hub city of being cold and codfishy again. Congeniality and friendliness never were better exemplified than in the letters that are sent in by the boys and girls of the Boston area, some of which Brother Bob reads aloud.

There are close to 30,000 members in the Boston Edison Big Brother club. To be a member in good standing with this great affiliation costs two cents a week, which is the price of the two cent stamp for postage necessary to send the letter-a-week dues. Only a small percentage of all the letters received can be broadcast but the business of sitting down and writing a letter, with a feeling that it is wanted and is read by somebody who is interested makes it worth while for the individual who writes it.

Thus every member is enabled to take part and contribute something of himself to the great fraternity. It gives him even larger facilities for self expression than would be found in the ordinary club where only a few members find opportunity to participate. Here, each one has a voice in the big "conclaves" that are held daily except Saturdays and Sundays.

But letter writing is only a small part of Brother Bob Emery's club. There are special musical programs, plays and other entertaining features with members of the club taking personal part in the studio before the microphone.

Boston culture is traditional. Therefore it is only to be expected that out of a club membership of 30,000 there should be many individuals who are really talented. These are discovered and invited to contribute to the program on Monday evenings. Always there are two or three good singers or instrumental artists for the first night of the week.

On Tuesday, after Brother Bob has called the meeting to order at the usual Big Brother period—6:45 to 7:30 p. m.—may be heard the Ukulele band or the Big Brother Glee club. From the picture of the glee club shown at the bottom of this page it may be seen that there are as many big sisters as there are big brothers, which goes to prove, as Brother Bob always maintains, that the Big Brother club at WEEI is just as much for the big and little sisters as it is for the brothers. Then there is the Harmonica orchestra of real boys. They, too, are seen on this page and take it from one who has heard them they know their mouth-organs both coming and going—although the word "mouth-organ" is almost an unforgivable vulgarity to the Bostonese.

These are the golden days for the Wednesday nighters for a special part of the club hour is devoted each week to the Radio Order of Junior Gardners. As a matter of fact Brother Bob considers this his special night and for this particular feature he makes it his business always to find something unusual and helpful for the young gardners who thrill over the miracle of things that spring into life and beauty from little hard-shelled seeds placed in the ground and nurtured.

This also is an eventful night for the big brothers who dwell in lighthouses and warn mariners of the treacherous rocks near shore. For weeks these vigilant guardians are isolated from their fellow beings but they have their Radio receiving sets and during Big Brother hour WEEI throws its beam on them and they are on the stage before a very vast audience. They write their weekly letters which are broadcast so that they are in this manner enabled to keep in contact with each other and at the same time made to feel that they are not forgotten by their sympathetic brothers who are ashore.

Sure, that's Big Brother Bob Emery at the Top with the Harold Lloyd Specks. You know that smile just as you would the smile on Sister Frances McLaughlin, just above, who speaks for the members of the brotherhood who are not brothers. That music you took for a harp orchestra came from this Harmonica Quintet. Below is the Big Brother Glee Club.

Thursday night means a short Radio play, spelling bee or a debate on some subject that all brothers should find of mutual interest. This is a feature that Brother Bob considers one of his "binders" to hold the members together in a firm unison.

Boston high schools with musical organizations, including bands, orchestras, glee clubs and choral societies have their turn at reaching the great Radio audience on Friday night. Educational institutions throughout the area find this feature one of the most stimulating influences in bringing their musical units to a highly artistic standard. It becomes a matter of contest as to which school brings the greatest amount of mail applause as the result of its contribution to the Radio program, for all schools may listen in and judge for themselves.

Besides widespread public contact through the Radio the Big Brother club has conspicuous newspaper support. Each day the Boston Transcript devotes a generous share of its Radio page to the doings of the Big Brother club. This is conducted under a permanent head, "On the Air with Big Brother." Then in the big Sunday edition of the Herald there is a special (*Continued on page 22*)

THE FALL GUY

by JOSE B. & HARRY VAN DEMARK

DICK STANDISH Possessed a Face That Was Perfectly Satisfactory to Alice Tellyhew but Did Not Fit in With Her Father's Theories of "Faces and Professional Success." Then Came the Big Test and—Well, Don't Miss This Great Two-Part Story by the Van Demarks.

CHAPTER I

Straight From the Shoulder

WHEN JASON TELLYHEW, broker, business man, stockholder in half a dozen Valley View corporations, etc., etc., decided that Dick Standish was no good as a lawyer, and generally not worth his salt, he went wrong on two points out of a possible two, thereby batting .000 for the day. For in that rash judgment was meant to be expressed not only a contempt for the potentialities of said Standish, but a blistering sneer at the law as practiced by this youthful disciple of the eminent Mr. Blackstone.

Mr. Tellyhew was a blunt, forthright man who never evaded or modified a truth—as he saw it. So when he indulged in certain remarks of a distinctly personal nature, Dick got the idea, somehow, that Alice's father did not like him.

As a matter of fact Dick had regarded his forehead, his eyes, his nose and mouth and chin, simply as attributes common to the human species. It had been astonishing to learn that there were people—Jason Tellyhew among them—who looked upon the features as an external record of one's habits of thought. Until that particular evening he had not realized how short was the distance between his nose and mouth, nor had he thought anything of the fact that his chin was not of the iron-jawed variety.

When Tellyhew finished, Dick's blue eyes snapped.

"From all of which," he said, "I gather you'd rather I'd not come to the house."

"Ask yourself," replied Jason Tellyhew coldly. "Take a bird's-eye view of yourself as you appear tonight; your clothes are shabby; your shoes show evidences of being on their last soles; and yet, in the face of all this, you have the nerve to call on Alice."

"Has Alice objected to my coming here?"

"That doesn't enter into the discussion at all. Where's your pride, Standish? Why, if I was in your circumstances I'd seek new fields in the hope that fortune would be a little kinder."

"You've wanted to get me out of Valley View ever since I started to call on Alice."

"Nonsense! That's a mere figment of your imagination. Why should I want to get you out of Valley View?"

"I SUPPOSE you've figured out that I'll be a failure all my life, and for that reason wouldn't be eligible as a son-in-law."

"Well, suppose I do figure it that way? Shows I'm pretty wise, eh? I'm a good reader of human nature. I tell you, you haven't it in you to succeed. I never knew a man with features like yours to make a success of life."

"And, if you'll pardon me, I never knew a man with features like yours to be bubbling over with the milk of human kindness. About the time you started to figure me out of the running as a son-in-law, I began to wonder how I was ever going to tolerate you as a father-in-law!"

"Now, see here, Standish, you get out of my house—"

"Oh, I'm going! But you've had your say; now I'm going to have mine. I've tried hard to get a foothold in Valley View. I even asked your aid to get some of the minor cases your own attorney didn't care to handle."

"Of course, I wanted to help you, Standish—"

"If you believe that, you're only kidding yourself, Mr. Tellyhew. Every bone in your body has been crying out, 'He's no good!' 'Get him out of town!' Oh, I know! But down in Virginia the Standishes are known as stickers. We've got a pedigree, too, but in this day and age that gets you nothing. But we happen to have some nerve along with it, and I want you to know that I'm not going to leave Valley View. I'm going to win out—and God help you if you ever get into any litigation with me on the other side!"

Rather theatric, yes, but it was delivered with all the fire of the young Southerner's hot blood. And probably somewhere in the sub-conscious mind of Jason Tellyhew it found an echoing response—for every man likes a fighter.

BEFORE Tellyhew could frame a fitting reply, the young whirlwind tore out of the room, slammed the door none too politely, and dashed pell mell into the arms of a vision in pink, who gave evidence of having been listening at the key-hole.

The young whirlwind tore out of the room . . . and dashed pell mell into the arms of a vision in pink, who gave evidence of having been listening at the key-hole.

"What did he say, Dick?" Alice Tellyhew anxiously inquired.

Dick's anger quickly passed. "Oh, he said plenty—and I'm afraid I did, too."

"Oh, you talked back to him! I'm glad of that!"

"We may both be sorry," Dick returned rather glumly. "I boasted that I would make good in spite of him—and it's going to be a tough job."

"But you will—and I'll help all I can."

Dick told her of the conversation in the library, omitting only her father's references to his personal appearance. He somehow could not bring himself to refer to them. No one knew better than Alice Tellyhew the reason Dick had grown so shabby of late, and being a girl with a golden heart, it had excited more pity than the young man knew.

"And now he's forbidden me the house," Dick said, in conclusion. "But I suppose that had to come."

"It won't make any difference with me, dear; I'll meet you wherever you say."

Later Dick took his leave, having seen no more of Jason Tellyhew. If Tellyhew suspected that Dick had lingered for a few words with Alice he evidently chose to "wink at it," and bide his time.

Dick was crossing Commonwealth avenue, one of Valley View's prettiest paved thoroughfares, when a man fell sprawling on the pavement in the path of an approaching automobile. With Dick to think was to act, and he fairly hurled himself to the danger point and, as the car's brakes began to grind, seized the man by a leg and jerked rather than pulled him out of the way, just as a limousine, heavy and cumbersome, swept past and came to a standstill.

The man who had fallen was uninjured except for the shock, and smiled as Dick helped him to his feet.

"Mighty near got me that time," he observed. "Would have, if you hadn't happened along, young man."

The occupants of the car came running back to inquire if anyone was injured, and being absolved from all blame, went their way rejoicing.

"And now, if you'll please tell me your name—" began the man.

Under the street lamp Dick got a good look at him and uttered an astonished exclamation:

"Alderman McGuire!"

"Ah, so you know me? Sorry, but you seem to have the advantage."

"My name is Standish—lawyer. My card!" Dick handed him a slip of pasteboard.

"Standish—lawyer—eh? Well, Standish, I wouldn't be surprised if you saved my life. I'm mighty grateful. If you'll just suggest something I can do in return—"

"Nothing at all, Mr. McGuire. Delighted that I was in a position to help you. And now, if you're all right, I'll say good night."

"I'm all right, thanks—good night!" the alderman responded, with a wave of the hand.

All the way to his meager room Dick Standish's heart was filled with happiness—the happiness that comes with the thought of a deed well done.

CHAPTER II

On the Skids

THE modern fable of the greased skids and the quick descent is not in its essentials a pleasant one; but if all the truth is to be told about Dick Standish, it must form an important part of this chronicle.

It covers that period from the early fall till the first balmy days of spring. It includes for the sake of exactness a fleeting sketch of all that happened between the day upon which young Standish, clad in a deeply-creased blue serge suit, which spelled custom made in bold letters, first burst upon the horizon of Valley View, and a time, some months later, when he sat in a sparsely-furnished office in the Continental Bank building, deep in the realization that his first half-year as a lawyer, "on his own," had been productive of few satisfying things, with a particular scarcity of clients, and, by the same token, of dollars.

The twelve hundred dollars which he had in the bank in the beginning had dwindled to practically minus, and a few friends was all that was left worth while.

At first the enthusiasm of youth had made quite a dent in the staid old world. Some friends who had promised him their business had brought him at infrequent intervals such remunerative employment as the taking of acknowledgments, the preparation of an occasional legal instrument, or the prosecution of some minor matters of debt. In one of these cases he had sued for the munificent sum of $20.00.

Some three months after he had opened his office, he had removed to more economical lodgings and taken to wearing his clothes for longer periods; also his taste in hosiery, which had formerly ran to the silk-clocked variety, asserted itself only at sporadic intervals.

HIS friend had been more than generous at first; so generous that, embarrassed as he was, Dick had found the acquiring of funds for a temporary period comparatively easy. But as time passed and he still spoke of the day when his practice would be self-supporting, this became curiously reversed—Dick found it easier to ask, but his friends found it harder to respond.

Those who had gone down in their pockets with every aspect of gladness and eagerness, spoke of being temporarily embarrassed themselves; others who had gone down not quite so gladly or eagerly, flatly refused.

With his credit firmly but politely curtailed at his favorite haberdashery, Dick began to be more and more careful with his apparel. Still confident that his luck would turn, and still possessed of a certain blue suit and one pair of clocked hose, reserved for special occasions, the flames of optimism continued to burn like a hickory fire, now leaping, now dying almost to nothing—but burning.

On a few hundred dollars in Dayville, Virginia, a spendthrift may amass a temporary Rockefeller repute; but in a city the size of Valley View the climate has a depressing, not to say dwindling effect on such a hoard.

At the end of the fourth month Dick's twelve hundred dollars had vanished, and through the aid of a generous pawnbroker he began to live on the contents of his trunk—beginning at the top.

At the same time he had found himself eating at a severely unclean little hole-in-the-wall where for twenty cents is served a clammy fluid libelously re-

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Diagnose Your Set Troubles

" 'Of making many books' 'twas said,
'There is no end', and who thereon
The ever-running ink doth shed
But proves the words of Solomon."

IF RADIO'S past history is any indication of its future, he who would gaze into the crystal ball would find much at which to marvel. Men who "go down to the sea in ships" need no longer fear. The Radio compass is ever alert to guide the floundering vessel with its human cargo to a haven of safety. It does not require a long stretch of one's imagination to conceive that in the near future the Radio compass will likewise safeguard the desert wanderer.

DON'T THINK the Old Set Will Go On and On

The happenings of today are photographed and transmitted via Radio across the seven seas. Tomorrow's breakfast table paper will picture the world's events. Radio transmission of power is an accomplished laboratory fact, and we may expect its early release for practical commercial use for the relief and convenience of those who are in parts isolated. Yesterday's desires are but today's actualities.

Radio—that uncanny something which has commanded the attention of the civilized world—means much. There is often true greatness in a word.

Even We Break Down

Yet to those of my readers who read and run, the little exasperating troubles are only magnified because we have become so dependent upon this Genii for our entertainment that the denial of it for a moment causes us to wonder when it will be perfected. The answer to him or her who is waiting such perfection is "when all else is perfected." The phonograph still retains its scratch of the needle, automobiles refuse to run forever

(Continued on page 22)

Troubles—Their Cause—and Cure

No Reception

Trouble	Cause	Possible Cure
Tubes do not light.	Burned out tube or tubes.	Replace tubes.
	"A" battery disconnected.	Connect properly.
	Socket springs do not make contact with tube terminals.	Bend up socket springs.
No click in phone or loud speaker when plugged in jack.	"B" battery disconnected. Phone or loud speaker cord broken or disconnected.	Connect and test for broken wire in cord.

Intermittent Reception

Trouble	Cause	Possible Cure
Signals fade slowly and periodically.	This is a natural condition considered as caused by a shifting of the wave train or absorption due to atmospheric conditions.	Be patient. The signal will return to normal strength within a short period.
Continued intermittent swaying of signals.	This is usually caused by a swinging antenna or lead-in wire.	Take up slack in antenna or lead-in wire.
Instantaneous stopping of signal.	Detector tube is blocking. Caused usually through using a grid leak of too high a value.	If leak used is variable reduce its value. If a fixed leak is used replace with one of less resistance.

Weak Reception

Trouble	Cause	Possible Cure
Cannot secure maximum volume from stations which generally come in loud.	Tubes need replacing as they no doubt have been forced through turning rheostats too high.	Have tubes tested, and rejuvenated possibly.
	Weak "B" battery.	Put in new "B" battery.
Strong signals when receiver is first turned on which gradually die out.	"A" battery current weak.	Recharge storage "A" battery or replace dry cell "A."
Signal strength about equal with or without antenna connected.	Aerial grounded or corroded. Loose or poor aerial connection. Dirty insulators. Poor ground connection.	Take a day off and fix them.
Signals increase if tubes are changed to other sockets.	This indicates that one or more tubes are better amplifiers than detectors.	You cured the trouble when you found they worked better in the other sockets.
Weak signals come through the loud speaker without distortion. Loud signals badly distorted.	This is a positive indication that you are overloading your tubes.	Increase the plate voltage on the last tube with a proper "C" bias or better still use a power tube in the last audio socket.
When using only the detector considerable distortion is noted.	Detector tube is oscillating or the radio frequency tube may be.	Reduce filament control rheostat, also plate voltage on the radio frequency tube. If using neutralizing condensers, readjust.

Noisy Reception

Trouble	Cause	Possible Cure
Continuous slow whistle with a slightly varying amplitude.	Two stations are heterodyning. In other words, their wave lengths are interfering with each other owing to their being of too nearly the same frequency.	No remedy. Report to nearest Radio Supervisor what stations were heterodyning. He will correct the difficulty.
Whistling in the audio stages but not when using the detector alone.	Open transformer connection or winding.	Test for opening and repair or replace.
	"C" battery connected wrong.	Connect "C" battery properly by having the plus terminal of the "C" battery connected to the minus filament of the "A" battery ahead of the rheostat.
	Forcing of tubes through having rheostat too high.	
A "put-put-put" noise, often reaching a continuous purring occurs.	Loose or broken connection to the grid leak or grid connection to the detector.	Inspect and make this connection secure. Sometimes the grid leak is defective.
A high-pitched continuous note which will stop at times when rheostats are nearly turned off.	The loud speaker is vibrating and causing the grid of one of the tubes to vibrate.	Change location of the loud speaker so that the vibrations will not be directed toward the receiver. Stand speaker on soft mat.
Starting with a low pitched whistle, the pitch gradually rises while tuning.	This generally indicates that you are using a grid leak of too high a value.	Adjust or replace with a lesser value leak.
	This also may be caused through having the grid and plate leads too close to one another or parallel to each other.	Rewire receiver or have it rewired to avoid grid-plate lead coupling.

Broad Tuning

Trouble	Cause	Possible Cure
Cannot log some stations consistently.	Station may be varying from its assigned wave length, or possibly operating with a tight antenna coupling with the added effect caused by forcing their transmitting tubes.	Buy the station's chief engineer a lunch and tell him your troubles.
Cannot tune out a particular station.	You are too close to the station or using an antenna whose fundamental wave length picks up the harmonics of the station. Faulty receiver design.	Change the length of your aerial, making it shorter.
	Poorly designed variable condensers.	Use straight line frequency condensers.
Cannot receive through local stations.	Aerial usually too long.	Shorten the aerial.
Cannot get any stations without excessive static or noise.	Radio's holiday.	Go to bed. Tomorrow night's program will be better anyway.

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Broadcasters' Property Rights

INASMUCH as Secretary of Commerce Hoover has seen fit to throw open the doors of the air to all individuals and firms seeking permission to broadcast, in accordance with the opinion of the United States attorney general on the 1912 Radio law, we ask what privileges, what rights, if any, are the pioneer broadcasters to enjoy?

Wave lengths, once held sacredly, made famous and popular by the capital invested by trail-blazing persons and corporations, evidently mean nothing at the time of writing. Anyone can apply for and get a license and go on the air on a valuable wave length, making that wave less valuable to the pioneering concern and disturbing the public, accustomed to hearing the good entertainment or service from the older broadcaster.

There is no equity in such an arrangement. It is said that there is no law without there is equity, and therefore, by logic it would seem that this allowing of anyone to trespass "legally" on a popularized ether channel, is indeed far removed from the standards which we consider legal and just.

It is not right that a concern which has been broadcasting for five years—or less—and has spent from $100,000 to several million dollars, should lose the most valuable asset it enjoys, its right-of-way. We are not claiming that the older stations will lose their actual wave lengths, but so many of the 600 waiting stations can decide that so-and-so's wave length is just the one for them and thereupon pounce upon it, that the wave length is, to all intents and purposes, lost.

Even if the attorney general's opinion is bolstered soon with legislation, let us look with criticism upon the provisions of the White and Dill Radio control bills. Neither of them adequately provides for the protection of invested capital, established good will, or right of precedence. We quote the Chicago Tribune:

"It is disconcerting to people who have spent large sums of money constructing broadcasting stations, and other large sums and much energy and initiative in building up a good will, to be told—as they are in both bills—that their enterprise creates no property right; that their license and wave length may be taken from them if the controlling power sees fit.

"Railroads are perhaps the most regulated of any means of interstate commerce, yet they are not so limited. The road which had foresight enough to build through the only mountain pass available is permitted to profit by its initiative. It acquires a property right.

"Radio broadcasters, who will be the principal persons to be affected by any controlling legislation, are justly apprehensive over the clauses denying property rights contained in both bills."

We second the motion of the Chicago Tribune in the belief that every citizen interested in Radio will agree that it is fair that the first broadcasters, the broadcasters who have spent the money, and those who have served the best, should have some privilege, some protection for their initiative and investment.

Broadcasters, we believe, should enjoy privileges based upon their precedence in the field, the capital they have invested, the service they have rendered the public in regular and improved programs, and their quality of transmission and reaching power. Perhaps we should eliminate the factors named above which are founded upon capital invested or ability to spend money, yet if we did, we would not attract capital to do broadcasting, to improve it, and establish a regular, dependable and enjoyable service. Besides precedence, the invested capital must be considered.

Unless such protection is assured by holeproof, nonpolitical Radio control legislation, we can only advise the existing 529 broadcasters licensed previous to the let-down of the bar on licenses, to go off the air or sell their equipment to the 600 waiting individuals and firms who seek to go on the air. It would be the irony of fate to see the newcomers invest their money, their energy and initiative, and find in the end that they too had bought merely a "pig in a poke."

RADIO INDI-GEST

Green Radios

By Jennie Harris Oliver

The evening was wistfully lighting its candles,
And I, in my garden, was seeking a rose,
When in tuned the wind, and I heard the trees singing
A whispering anthem with swelling solos.

I heard the pines playing their mighty pipe organs;
I heard the oaks chanting a deep symphony.
The elms and the locusts their long harps were sweeping;
The maples and junipers caroled to me.

And then, as the poplars were clapping their fingers,
And I, in my garden, was picking a rose,
I heard the wind rushing away in the village
To broadcast the music of green Radios.

Indi Likes Your Poem, Jennie, and he hopes you will contribute more. The lilting rhythm is perfect. The thought is original and refreshing. The top of the column to you!

The Wonders of Radio

Station PDQ: "Carruh Mu Buck tu Ol Verginnuh."
Station PXY: "Kerry Ma Beck too Oald Ferginnie."
Station: PSL: "Curry Me Bick tew Eold Vairginew."
Station PRZ: "Kierrie Mo Bock tao Olda Vorjinah,"

and then a few more variations on an old theme. Then we get, "Darlink I Yam Groaning Cold," or "Me, My, Muh Old Ken, Kain Kun, Kin, Kon Tickee, Tuckah, Tooky Hum, Home." And so on, year after year. Will there never be a funeral? How may we outlaw some of those "dear old" frazzled songs?

C. L. STONAKER

By Having Congress Pass a Radio law or outlaw, Mr. Stonaker, or, of course, you might have some of the Chicago bomb specialists take the offending stations up.

The Radio School

You can learn to make this and how to grow that;
How to make yourself thin and how to get fat.
They will teach you to cook and tell how to bake,
But none of them offer to sample your cake.

They teach economics and languages too,
But none of them tell how to make good home brew.
They talk about corn; how to plant with a drill,
But they don't tell us how to construct a good still.

They teach many things in the Radio School,
From music and dancing to shoeing a mule.
But one subject is lacking; we all want to know
How to get without working, a surplus of dough.

GEORGE

WHAT! George, don't you know how to make a surplus of dough? That's easy. We ought to know. Go into the Radio business. Or be an announcer. I've heard they lead an easy life and are paid handsomely.

"WHO'S WHO IN RADIO"

Dear Indi: In competition with Miss Marcella please allow me to explain that the announcer at WBAR is not red-headed. That's the reflection from his nose.

GLORY FIFI

Our Radio Bill Referendum

DO YOU PREFER THE WHITE OR DILL BILL?
YES ☐ Mark X Only in one of
NO ☐ the two squares.

DON'T YOU THINK THE PAST CONGRESS WAS SILLY?
YES ☐ Mark it, of course. Congress is always silly.

DO YOU THINK A NEW RADIO LAW IS DESIRABLE? OR DO YOU DISAGREE THAT SECRETARY HOOVER BLOWS SWELL SMOKE RINGS?
YES ☐
INDIFFERENT ☐
NO ☐

HAS THERE EVER BEEN ANY INSANITY IN YOUR FAMILY?
YES ☐

The Awful Fate of the Cables

Fairice, Alaska.

Edator Indigest: As evry won is terning to a poet I take my pencil in hand to rite a poem of a acktuel fakt that I no to be a fakt. I hoap you like it:

"I now will tell of the fait that fell, on the fambly of Dennis Cable. He bawt a Radio, brawt it hoam, and set it on a taible. He wood toon in this and toon in that, and showt, hears KSD. His wife wood pleed, that he wood leeve it there and let it be. But he'd toon in this and toon in that and travel ore the nashion, and he nevr stopt until he'd plop onto anothur stashion. His wife she sighd as she set by his side and asked to let her toon it. No No quoath he, Deer, dont you see, that you wood surely ruin it. So she got soar, and slammed the doar, and that night 'Some Steps on a Stare.' A radio set was smashed to heck, far beyond all repare."

Chapter too. (2):

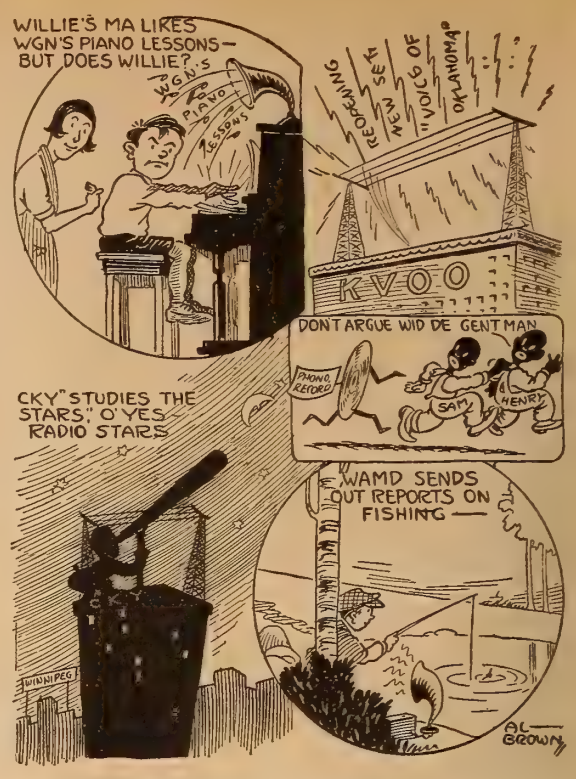
"So now no more doos she slam the doar, but they set in the evening and laff, at 2bit records plaid ore and ore on a neighbors Phoneygraff."

KITTLE DRUMMER

If Rhea and the Third Trombone Player, and a lot of other dilatory contributors, don't get busy and kick in with some good prose and poetry, especially prose with a wallop, pretty soon, I think I'll rent out this column to Mr. Dielectric. This vacation idea appeals to me, too.

INDI

Current Events



Condensed

BY DIELECTRIC

Following the ruling that Secretary Hoover may not keep Radio lines clear, pending some action from those mighty men of congress, I have been anxiously waiting for a "jam" in the ether-way. It may come—but not in time to save me the effort of reviewing some more broadcast programs. With Old Man Static whooping 'er up, just a half-dozen or so stations operating at one time on a popular wave length would suffice to allow me a vacation; something you feel would be best for all concerned. The boss is taking one, you are enjoying yours—except for this column which must be read to see if Dielectric has found any new stations, but that is getting away from the subject of impending disaster to listeners in, both amateur and professional, when waves and power sense freedom.

Everyone tuning in the Chicago Station WOK, during the hours when the Midway Garden dance orchestra entertains, comes back for more. This is true of distant listeners as well as those residing in the neighborhood of Chicago's broadcasters, and can be accounted for easily enough by the manner in which popular dance numbers are rendered. If it had not been for the fact of so many relying on this particular feature, the disappointment to those listening for succeeding numbers the night of the catastrophe would have been ordinary, but the terrible experience of losing one of their operators caused WOK to shut down completely. You knew afterward what happened—a rare fatality.

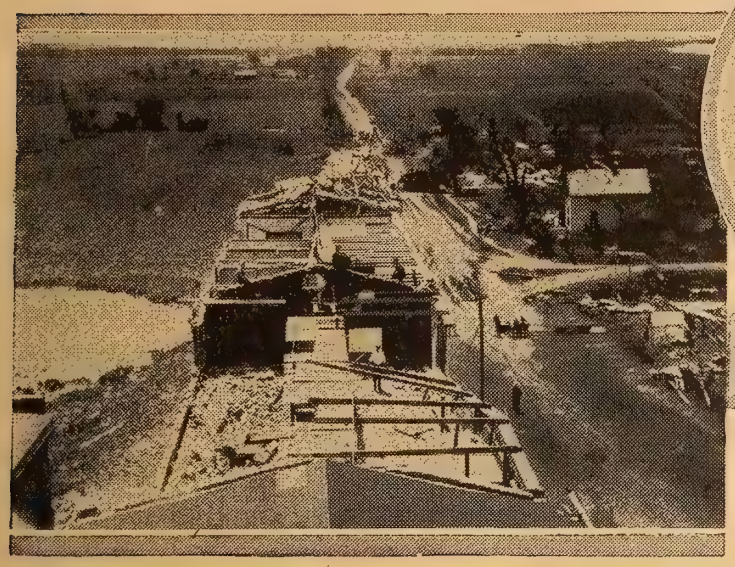
Radio had brought to millions of listeners events in the making, of local importance, as can more easily be appreciated, and of national consequence, a feat that still carries new thrills. To hear our president address us from a point thousands of miles away has no longer the impress of unreality—he is before us! Radio provided the way in which a large section of the listening public could together hear the voices of four presidents, three of whom deceased, and Station WGN, Chicago, deserves all the credit for planning such a feature. The records preserving the voices of Presidents Wilson, Harding and Roosevelt were used to refresh our memories of these leaders and carried to distant points with lifelike reproduction. It was a feature worth while.

When Station WLW, Cincinnati, is so disposed (which is often) it can offer a musical entertainment that holds the attention of large Radio audiences, and is not forced to forage afield for talent with which to accomplish it. Right in the Cincinnati College of Music flourishes talent pleasing to all. Recitals by the students in the summer classes there afford music lovers evenings of real pleasure, assuring a wide variety of musical entertainment—at least so far as different instruments are concerned. It would pay to listen for these concerts.

Our old friends the New York Philharmonic orchestra has been on the air to help dispel heat discomfor and make us realize that some good things are assured even during vacation season. Station WJZ, new York, with other stations, broadcasts this concert series with the knowledge that thousands of enthusiasts are listening in each time. After all, it is refreshing to hear such a rendition of that grand symphonic work of Beethoven—his Fifth—as these players gave it, at a time when there is a preponderance of lighter music. Certainly many are enjoying the privilege of listening to one of the foremost orchestras in the world under conditions which require the least outlay.

HOW KSO LOOKED AFTER TORNADO HIT

Radio Station KSO at Clarinda "took the air" with practically the whole works a few weeks ago when hit by a twister that carried death and destruction over a wide path that included the Berry Seed company, home of KSO.



Paul Maxwell (left) and Henry Anderson, engineer and director, respectively, were at one end of the building when the tornado hit the other. A few yards from them a boy was hurled 350 feet and killed.

When the "air took the station" at KSO it left the south antenna tower upside down over one corner of the seed building as shown below. Work on the construction of a new and larger station was begun at once.

SPONSORED CONCERT IS THE THING IN EAST

ADVERTISERS PAY COST OF BROADCASTS NOWADAYS

More Toll Programs Expected for Next Season—Political Speeches Also to Yield Revenue

NEW YORK.—The great and powerful force of good-will advertising is "paying the bill" for broadcasting, and ere the fall is here, good-will advertising programs and concerts will dominate the air in New York.

Nearly every New York station is commercializing at least a part of its time, and the booking offices of the stations are having a busy summer signing contracts on the air for the fall and winter, or in some few cases, giving the time to advertisers who will bear the expense of furnishing high class talent.

From officials of the Broadcasting Company of America and the Radio Corporation of America it is learned that little time on the winter schedules of their stations is being reserved for broadcast programs that are not "sponsored." Sporting events and a few nationally important celebrations and dinners will be offered to the listening public without the advertising by-line.

Commercial Programs Few Now

Until autumn, however, the sponsored programs are becoming fewer and fewer than during the past winter and spring and are giving way on the ether lanes to the principal concerts of New York and Washington. The best Radio features of the air entertainment in the east are, with possibly two exceptions, of the nonadvertising variety and include the broadcasting of the Goldman band concerts from New York university, the New York Philharmonic society concerts, from the Lewissohn stadium and the United States Marine and Army band concerts from the Sylvan theater in Washington.

Politics on Air in Fall

So far no definite policies have been worked out for broadcasting the more important political speeches in the fall. Although not a presidential campaign year, several parts of the United States have political crisis scheduled for November and attempts to bring them more directly to the public attention through the medium of the microphone will be made in various states.

That a number of stations will sell time to the candidates for Radio addresses is taken for granted and it is understood that both the democratic and republican headquarters are working out Radio campaigns.

Garland, of WBBM, Proud Papa

CHICAGO.—A pink silk cape, a pair of pink boots and a baby's dress were "put on the air" recently by Charlie Garland, director of WBBM, the Stewart-Warner Air theater here. Charlie is doubling his broadcasting duties with the position of proud father to Baby Richard Garland, who was presented with the above mentioned wearing apparel by the WBBM studio staff. Garland was so proud of the baby's new trousseau that he told the world about it over the microphone.

FOUR PICK WAVES AND GET LICENSES

Three of First Stations Authorized Under New Ruling Are in Chicago

WASHINGTON, D. C.—Four additional broadcasting stations were authorized to operate on self-selected wave lengths with the issuance of licenses by the department of commerce to WCFL, Chicago Federation of Labor, on 491.5 meters; WJBT, J. S. Boyd, Chicago, 238 meters; WMBI, Moody Bible Institute, Chicago, no wave length designated, and KGAR, Tucson (Ariz.) Publishing Co., Tucson, Citizen, 243.8 meters.

These were the first stations to be licensed since the announcement of the opinion of the attorney general denying the power of the secretary of commerce to regulate Radio and thereby leaving broadcasters without any restrictions as to wave bands or power to be used.

Department of commerce officials stated that the four stations were the first to be licensed because theirs were the only formal applications received and they had plants erected and ready to operate. Practically all of the 600 other applications, it was said, were informal and submitted by persons who stated they proposed to erect broadcasting stations, but who did not state when they expected to operate.

LeRoy M. E. Clausing Now Chief Engineer for WBBM

CHICAGO.—Following its "Radio Coue" of "Bigger and better day by day" WBBM, the Stewart-Warner Air theater, Chicago, has secured an acknowledged leader in Radio engineering to supervise the broadcasting service of the company by the signing of contract with LeRoy M. E. Clausing, former chief engineer of WEBH, who has already taken charge.

"Mr. Clausing is not only a Radio transmission engineer of theory," said an official of the company, "but has many years of practical application of his ideas behind him. In securing him we feel WBBM will greatly add to its service."

During the war Clausing was stationed at Great Lakes Naval Radio laboratories, at the Trans-Atlantic station at Belmar, N. J., and later was Radio aide at the Naval Radio laboratories at Charleston, S. C., and the Naval Radio research laboratories at Washington, D. C.

Commission Rests Its Case Against RCA for Summer

WASHINGTON, D. C.—It is probable that no further testimony will be taken by officials of the federal trade commission in the case against the Radio Corporation of America until September, according to announcement just made public. The next testimony will be taken in San Francisco.

At the conclusion of the taking of testimony in this case in New Orleans recently it was agreed that further testimony could be taken after ten days' advance notice by the commission's examiner, William C. Reeves. The general understanding is that no testimony will be taken during the summer months.

Sixty Canary Powered Chorus Is in Training

Louis Katzman Plans Treat for Invisible Audience

NEW YORK.—A chorus of no less than sixty canary birds will soon be broadcast over one of the leading New York stations by Louis Katzman, director of a weekly feature of WEAF and fourteen affiliated stations.

Mr. Katzman, who numbers among his many hobbies that of a canary fancier, has selected sixty of his most musical birds whose voices harmonize, and is training them for the concert. The canaries' voices vary in timbre so that they will be enabled to render four part harmony.

A feature of the canary bird program will be a trio of these birds who are already trained for the purpose and have three different and distinct vocal ranges. One of them has a voice of the depth of a parrot which, Mr. Katman says, corresponds to a canary bird bass.

GALAXY OF STARS ON AIR FROM WLS

Van Gordon, Marshall, Freund and Others Sustain Summer Interest in Programs

CHICAGO.—Musical Radio history is being made this summer in the series of all-star artist concerts being broadcast over WLS, Chicago. With a view to keeping the same high standard of program the year round instead of following the usual summer broadcasting slump, the Sears-Roebuck Agricultural station is presenting a galaxy of grand opera, concert and instrumental stars of national and international reputation which should keep real music-lovers within earshot of their receivers every Friday evening this summer.

Charles Marshall, Cyrena Van Gordon, Helen Freund, Glenn Drake and Chicago's justly famed Little Symphony orchestra with George Dasch as conductor, are some of the midsummer musical treats to be picked out of the air. These stellar concerts are being given every Friday evening until September 24, at 8:30 p. m., Central time, from the WLS studio in the new Hotel Sherman.

Radio audiences, maintains Edgar A. Bill, director of WLS, are entitled to good music the year round. The order of appearance of the artists in the remainder of the series is as follows:

August 6.—Marie Morrisey, contralto, assisted by Theodore DuMoulin, concert cellist of renown. August 13.—Little Symphony orchestra of Chicago, concert, "When Music Was Young." August 20.—Glenn Drake, tenor, assisted by Charles Lurvey, concert pianist. August 27.—Little Symphony orchestra of Chicago, concert, "The Age of Romance in Music." September 3.—Helen Freund, soprano, assisted by Herbert Kirschner, talented violinist. September 10.—Little Symphony orchestra of Chicago, concert, "Painting Pictures in Tone." September 17.—Cyrena Van Gordon, prima donna mezzo-contralto. She will be assisted by the WLS trio. September 24.—Little Symphony orchestra of Chicago, concert, featuring works of American composers.

OLD FAVORITES BEST LIKED M'QUHAE SAYS

BUT POPULAR IRISH TENOR SEES EXCUSE FOR JAZZ

Is Outlet for Pent-up Emotions of American—Noted Singer Formerly Milked Cows on Canadian Farm

NEW YORK.—"Jazz" songs are not generally popular with listeners, according to the hundreds of requests received by Allen McQuhae, the Irish tenor, who sings in concert over the Radio each Sunday night in the Atwater Kent hour.

Old favorites of years gone by are most in demand and, Mr. McQuhae said, indicate that the Radio programs reach the listener when he is thoroughly relaxed at home and in a more contemplative, reminiscent mood.

"But jazz is very useful," said Mr. McQuhae. "It is an outlet for the pent-up emotions which many of us would not let go. The American is naturally self-contained about his emotions, but let a good band play some of the old works made into jazz form and it makes him light and happy in heart and mind and he wants to dance. Jazz has its place, although many of the tunes are stolen from the old masters and revamped."

In classifying the requests with a view to singing first the songs most in demand, it is found that there are very few songs on the list of a hundred or more that have not been asked for many times, while there is a large group polling a very general demand.

McQuhae Started as Farm Hand

Mr. McQuhae, who now sings to a million or more Radio fans each Sunday evening, said the smallest audience to which he had sung regularly in his early youth was a group of farm hands in Manitoba, Canada.

"When I first came to this country," said the Irish tenor, "I went to work on a farm in Canada for ten dollars a month. I milked ten cows night and morning. And let me tell you, if ever I have to work on a farm again, I've forgotten how to milk. It's the curse of farm life.

"As I milked, I always sang to the cows, so while I was milking, the other hands sat around the cow barn and listened. Then, when I had finished my work, they always insisted that I help them with the horses."

That was fifteen years ago. In the meantime the noted tenor has appeared in concerts before many of the most brilliant audiences of this country and Europe.

Happiness Boys Go Off Air Until Early in September

NEW YORK.—The Friday evening audience of WEAF which each week tunes in for the purpose of hearing the Happiness Boys, will regret to learn that the programs of the boys have been temporarily discontinued. This regret is tempered by the fact that they will again begin broadcasting during the early part of September. While the inimitable Billy Jones and Ernest Hare are not on the air the Radio audience can be sure that they will be busy planning and arranging their programs for the fall broadcast.

AN EVENING AT HOME WITH THE LISTENER IN
IN CENTRAL TIME

Call	Location	Met.	Kc.	Saturday	Sunday	Monday	Tuesday	Wed.	Thursday	Friday
AT9	Fort Bragg..	435	690	Silent	5:00- 6:00	Silent	Silent	Silent	7:00- 8:55	Silent
CFCA	Toronto....	356.9	840	Silent	5:00- 6:00	Silent	Silent	9:00-10:00	9:00-10:00	Silent
CFCN	Calgary.....	356.9	690	11:00- 1:00	Silent	Silent	Silent	Silent	9:00-10:00	Silent
CJCA	Edmonton..	434.5	580	10:00-12:00	8:30- 9:30	8:30-10:30	8:30- 9:00	7:00- 9:00	10:00-12:00	9:00-12:00
CKAC	Montreal...	516.9	730	5:15-10:30	12:45- 3:45	Silent	5:15- 9:30	Silent	6:30- 7:30	Silent
CKCL	Toronto	410.7	840	5:00- 6:30	1:00- 2:55	Silent	5:00- 9:50	Silent	5:00- 6:00	Silent
CKNC	Toronto....	356.9	840	6:00- 8:00	Silent	6:00- 9:00	Silent	Silent	Silent	Silent
CKY	Winnipeg...	384.4	780	8:00-11:00	7:00-10:00	8:00-12:00	Silent	7:30-11:00	8:30-11:00	Silent
CNRO	Ottawa.....	434.5	690	6:30-11:30	Silent	Silent	Silent	6:30-11:30	Silent	Silent
CYL	Mexico City.	480	625	Silent	9:24-10:54	Silent	9:24-10:54	Silent	Silent	9:24-10:54
CZE	Mexico City.	350	857	8:24- 9:24	Silent	8:24- 9:24	8:24- 9:24	8:24- 9:24	8:24- 9:24	8:24- 9:24
KDKA	Pittsburgh..	309	970	5:30- 8:55	5:45- 6:45	4:00- 8:55	4:30-10:30	4:30- 8:55	4:30-10:05	4:30- 8:55
KFAB	Lincoln.....	340.7	880	5:30- 2:00	9:00-11:00	5:30-10:30	5:30-10:30	5:30-10:30	Silent	5:30-10:30
KFDM	Beaumont..	315.6	950	Silent	8:00- 9:00	Silent	8:00-10:00	Silent	Silent	8:00-10:00
KFH	Wichita....	267.7	1120	7:00- 8:00	Silent	7:00- 8:00	Silent	7:00- 8:00	Silent	7:00- 8:00
KFI	Los Angeles.	467	642	7:30- 4:00	6:00- 2:30	7:30- 1:00	7:30- 1:00	7:30- 1:00	7:30- 1:00	7:30- 1:00
KFJF	Okla. City..	260.7	1150	7:15-10:30	1:30- 9:00	7:15- 9:45	Silent	7:15- 9:45	7:15- 9:45	7:15- 9:25
KFKX	Hastings....	288.3	1040	5:30- 6:30	Silent	5:30-11:30	5:30- 8:00	5:30-11:00	5:30- 8:00	5:30-11:00
KFNF	Shenandoah	461.3	650	7:00-12:00	2:30- 8:30	7:00- 9:00	7:00- 9:00	7:00- 9:00	7:00- 9:00	7:00- 9:00
KFOA	Seattle.....	454.3	660	11:30- 1:00	Silent	9:00-12:00	8:00- 1:00	9:00-12:00	Silent	8:00- 1:00
KFON	Long Beach.	232.4	1290	8:30- 2:00	8:30-12:00	8:30- 2:00	8:30- 1:00	8:30- 1:00	8:30- 2:00	8:30- 2:00
KFQB	Fort Worth.	508.2	590	8:30- 9:30	3:00- 8:30	8:30- 9:30	8:30- 9:30	Silent	8:30- 9:30	8:30- 9:30
KFUO	St. Louis...	545.1	550	7:45- 8:45	9:15-10:15	8:00- 9:00	6:30- 7:30	9:15-10:15	Silent	9:30-10:30
KFVE	Univ'ty City	240	1250	9:15-10:15	Silent	9:15-10:15	9:15-10:15	9:15-10:15	Silent	9:15-10:15
KFWA	Ogden......	260.7	1150	10:00- 1:00	Silent	10:00-12:00	Silent	10:00- 1:00	Silent	10:00-12:00
KFWB	Hollywood..	252	1190	8:30- 1:00	11:00- 1:00	8:30- 1:00	8:30- 1:00	8:30- 1:00	8:30- 1:00	8:30- 1:00
KFWI	San Fran...	226	1330	Silent	10:00- 2:00	10:00- 2:00	Silent	10:00- 3:00	12:00- 2:00	10:00- 3:00
KFXF	Colorado...	250	1200	9:00-10:00	9:00-10:30	10:00-11:00	9:00-10:00	Silent	10:00-11:00	9:00-10:00
KGO	Oakland....	361.2	830	10:00- 2:30	5:30-10:30	8:00-12:00	8:00- 2:00	8:00- 8:55	10:00- 2:00	8:00- 8:55
KGW	Portland....	491.5	610	8:00- 2:00	9:30-12:00	8:00- 2:00	8:00- 2:00	8:00-11:20	8:00- 2:00	8:00- 2:00
KHJ	Los Angeles.	405.2	740	8:30-12:00	9:00-12:00	Silent	10:00-12:00	10:00-12:00	10:00-12:00	10:00- 1:00
KIAF	Sihtipok....	421	709	Silent	4:00- 5:00	9:00-10:00	Silent	9:00-10:00	Silent	9:00-10:00
KJR	Seattle.....	384.4	780	Silent	9:15-12:30	10:30-12:00	10:30-12:00	10:30-12:00	10:30- 2:00	10:30-12:30
KLDS	Independ...	440.9	680	8:00- 9:00	6:30-10:00	Silent	8:00-11:59	Silent	8:00- 9:00	Silent
KLX	Oakland....	508.2	590	Silent	Silent	10:00-12:30	Silent	10:00-12:00	Silent	9:00-12:30
KMA	Shenandoah	461.3	650	9:00-11:00	4:00- 6:00	9:00-11:00	9:00-11:00	9:00-11:00	9:00-11:00	9:00-11:00
KMMJ	Clay Center.	229	1310	8:00- 9:00	8:45- 9:45	8:00- 9:00	8:00- 9:00	Silent	8:00- 9:00	8:00- 9:00
KMOX	St. Louis...	280.2	1070	6:30-11:00	9:00-10:30	7:00-11:00	6:30-11:00	6:30-11:30	Silent	6:30-11:00
KNX	Hollywood..	336.9	890	9:30- 4:00	9:00-12:30	9:00- 2:00	9:00- 2:00	9:00- 2:00	9:00- 4:00	9:00- 2:00
KOA	Denver.....	322.4	930	Silent	7:30-10:00	7:30-11:15	7:30- 8:30	7:30- 1:00	7:30- 8:30	7:30-10:00
KOIL	Council Blfs	305.9	980	7:30-12:00	7:30-12:00	6:03-12:00	6:03-12:00	Silent	6:03-12:00	6:03-12:00
KPO	San Fran...	428.3	700	8:30- 2:00	8:00-12:00	8:30- 1:00	8:30- 1:00	8:30- 1:00	8:30- 1:00	8:30- 1:00
KPRC	Houston....	296.9	1010	7:30-11:00	7:30-12:00	7:30- 9:15	7:30- 9:15	7:30-10:00	7:30-10:00	Silent
KPSN	Pasadena...	315.6	950	10:00-12:00	10:45-11:45	Silent	10:00-11:00	Silent	10:00-11:00	Silent
KSD	St. Louis...	545.1	550	7:00-10:00	5:15- 8:15	8:00-11:00	6:00- 9:30	6:00- 8:00	7:00- 9:00	7:00- 9:00
KSL	Salt Lake...	299.8	1000	9:00-12:00	8:30-11:00	8:00-12:00	7:00- 9:00	8:30-12:00	8:30-12:00	8:30-11:00
KTAB	Oakland....	240	1250	Silent	9:45-11:15	10:00-12:00	10:00-12:00	10:00-12:00	10:00-12:00	10:00-12:00
KTBI	Los Angeles.	293.9	1020	Silent	9:15-11:30	Silent	10:00-11:00	Silent	10:00-11:00	Silent
KTCL	Seattle.....	305.9	980	Silent	8:10-11:10	9:00-10:00	10:00-11:00	Silent	Silent	9:00- 2:00
KTW	Seattle.....	455	660	Silent	9:00-11:30	Silent	Silent	Silent	8:00- 9:30	Silent
KVOO	Bristow.....	374.8	800	7:00-10:00	7:00-10:00	7:00-10:00	7:00- 9:00	7:00- 9:00	7:00- 9:00	7:00- 9:00
KWCR	Cedar Rapd.	278	1080	Silent	9:30-10:30	9:00-10:00	Silent	9:00-10:00	Silent	9:00-10:00
KWKH	Shreveport..	329.5	910	9:00-12:00	7:00-11:00	10:00-11:30	9:00-12:00	Silent	8:00- 9:30	Silent
KWWG	Brownsville.	278	1080	Silent	Silent	8:30- 1:00	Silent	Silent	8:30- 1:00	Silent
KYW	Chicago....	535.4	560	5:30-11:00	3:00-10:00	Silent	6:00-11:00	5:30-11:00	5:30-11:00	7:00-11:00
NAA	Radio......	434.5	560	Silent	Silent	6:45- 7:00	7:30- 8:30	Silent	Silent	Silent
PWX	Havana.....	400	750	7:30-10:00	7:00- 9:15	7:30-10:00	7:30-10:30	7:00- 9:15	Silent	Silent
WADC	Akron......	258	1160	5:30- 6:30	5:30- 6:30	5:30- 1:00	5:30-10:00	5:30- 6:30	5:30- 9:00	5:30-10:00
WAHG	Richmond..	315.6	950	10:00-12:00	Silent	5:30-12:00	Si'ent	5:30-10:00	Silent	6:00- 9:00
WAIU	Columbus..	293.9	1020	8:15-10:00	2:00- 3:00	5:00-10:30	5:00-11:00	5:00- 6:00	5:00- 6:00	5:00-11:00
WAMD	Minneapols.	244	1230	6:15-10:30	6:15-10:30	7:00-12:00	Silent	7:00-12:00	6:15-12:00	6:15-12:00
WBAL	Baltimore..	246	1220	Silent	6:30- 7:30	5:30- 9:00	5:30- 9:00	Silent	5:30- 9:00	5:30- 9:00
WBAP	Fort Worth.	475.9	630	7:30-11:00	7:30-11:00	7:30-11:00	7:30-11:00	Silent	7:30-12:00	7:30-12:00
WBAR	Sisiht......	406	756	Silent	10:00-11:00	9:00-10:00	Silent	8:00- 9:00	7:30- 8:30	Silent
WBBM	Chicago....	226	1330	7:00- 1:00	3:00- 1:00	Silent	7:00-11:00	7:00- 1:00	7:00-11:00	7:00- 9:00
WBBR	Staten Isld.	272.6	1100	6:00- 8:00	7:00- 8:15	6:00- 7:00	Silent	Silent	6:00- 7:00	Silent
WBCN	Chicago....	266	1130	8:00-12:00	4:00-11:00	Silent	8:00-12:00	7:00-11:00	8:00- 1:00	8:00-12:00
WBZ	Springfield..	333.1	900	5:00- 8:00	6:00- 8:30	5:00- 9:00	5:00- 9:00	5:00- 9:00	5:00- 9:00	5:00- 9:00
WCAE	Pittsburgh..	461.3	650	4:30- 7:15	4:30- 6:20	4:30-10:05	4:30- 9:00	4:30- 9:00	4:30- 9:00	4:30- 9:00
WCAP	Washington	468.5	640	Silent	3:00- 8:45	5:00- 9:00	Silent	5:30- 7:00	Silent	6:00- 9:30
WCAU	Philadelph..	278	1080	Silent	3:00- 9:00	5:30- 9:00	4:30- 9:30	5:30-10:00	4:30-10:30	4:45- 9:30
WCBD	Zion........	344.6	870	Silent	8:00-10:30	Silent	8:00-10:30	Silent	8:00-10:30	Silent
WCCO	Minn.-St.P.	416.4	720	6:15-11:05	4:10-10:35	6:15- 7:15	6:00-10:30	6:00-12:30	7:00-10:00	6:15-11:05
WCOA	Pensacola...	222	1350	Silent	Silent	7:00- 8:30	Silent	7:00- 8:30	Silent	7:00- 8:30
WCX	Detroit.....	516.9	580	5:00- 6:00	6:15- 7:15	5:00- 8:00	5:00- 1:00	5:00- 8:00	5:00- 8:00	5:00- 9:00
WDAF	Kansas City	365.6	820	6:00- 1:00	4:00- 4:45	6:00- 1:00	6:00- 1:00	6:00- 1:00	6:00- 1:00	6:00- 1:00
WDWF	Providence..	440.9	680	Silent	Silent	Silent	5:45- 6:00	5:25- 6:40	5:45- 6:00	5:45- 6:00
WEAF	New York...	491.5	610	4:00-10:00	1:00- 8:15	4:00-10:00	4:00-10:00	4:00-10:00	4:00-10:00	4:00-10:00
WEAN	Providence..	270.1	1110	4:30- 8:30	5:30- 6:45	4:30- 8:30	4:30- 8:30	4:30- 8:30	4:30- 8:30	Silent
WEAO	Columbus..	293.9	1020	Silent	Silent	Silent	6:00- 8:00	7:00- 8:00	7:00-10:00	Silent
WEBH	Chicago....	370.2	810	6:00- 1:00	4:00- 8:00	Silent	6:00-11:30	6:00-11:30	6:00-11:30	6:00-11:30
WEBJ	New York...	272.6	1100	Silent	Silent:	Silent	6:00- 8:00	6:00- 8:00	Silent	6:00- 7:00
WEEI	Boston	348.6	860	Silent	4:00- 9:15	5:30- 9:30	5:30- 9:30	5:00- 9:00	5:30- 9:00	5:30- 9:30
WENR	Chicago....	265.3	1120	5:00- 1:00	1:00-11:00	Silent	5:00- 9:00	6:00- 1:00	5:00- 9:00	5:00- 1:00
WFAA	Dallas......	475.9	630	6:30-12:00	7:15-12:00	6:30- 9:30	6:30-12:00	Silent	6:30- 9:30	6:30- 9:30
WFBH	New York...	272.6	1100	9:30-12:00	3:00- 6:00	9:30-12:00	9:30-12:00	9:30-12:00	9:30-12:00	9:30- 1:20
WFI	Philadelphia	394.5	760	4:30-10:00	2:30- 3:30	5:00- 6:00	4:30- 9:30	5:00- 6:00	4:30- 9:00	5:00- 6:00
WGBF	Evansville...	236.1	1270	Silent	Silent	Silent	7:15-10:00	Silent	Silent	7:00- 8:00
WGBS	New York...	315.6	950	4:00- 9:30	6:00- 7:00	5:00- 5:15	4:00- 9:30	4:00- 6:30	4:00- 6:45	Silent
WGCP	New York...	252	1190	6:30-10:00	1:00- 4:00	7:00- 9:30	Silent	5:00- 7:15	8:30-11:00	5:00- 7:10
WGES	Chicago....	250	1200	4:00-12:00	4:00-12:00	Silent	4:00-12:00	4:00-12:00	4:00-12:00	4:00-12:00
WGHB	Clearwater	266	1130	Silent	Silent	8:30-10:00	Silent	8:30-10:00	Silent	8:30-10:00
WGHP	Detroit.....	270	1110	Silent	Silent	5:00-12:00	5:00-12:00	5:00-12:00	5:00-12:00	5:00-12:00
WGN	Chicago	302.8	990	5:35-10:00	2:00-10:00	Silent	5:35-10:00	5:35-11:30	5:35- 9:00	5:35-10:00
WGR	Buffalo.....	319	940	Silent	4:00- 8:15	4:30-10:00	4:30- 7:00	4:30-10:00	4:30- 8:00	4:30-10:00
WGY	Schenectady	379.5	790	4:30- 9:30	5:00- 8:30	4:30- 7:30	4:30- 9:00	5:30- 6:30	4:30-10:30	4:30- 9:30
WHAD	Milwaukee	275.1	1090	Silent	3:15- 4:15	6:15-10:00	6:15- 7:00	6:15-12:30	6:15- 7:00	6:15-10:00
WHAR	Atlantic City	275.1	1090	5:30- 7:00	5:50- 8:00	5:30-10:00	5:30- 7:00	Silent	5:30-10:00	5:30- 7:00
WHAS	Louisville	399.8	750	7:30- 9:00	4:30- 5:30	Silent	7:30- 9:30	7:30- 9:00	7:30- 9:00	7:30- 9:00
WHAZ	Troy	379.5	790	Silent	Silent	8:00-11:00	Silent	Silent	Silent	Silent
WHB	Kansas City	365.6	820	Silent	8:00- 1:00	7:00- 8:00	7:00-10:00	7:00- 8:00	7:00-10:00	7:00- 8:00
WHN	New York...	361.2	830	Silent	1:00-10:30	4:30-10:30	4:00-11:00	4:00-11:00	4:00-11:00	4:00-11:00
WHO	Des Moines.	526	570	Silent	5:00- 8:30	7:30-12:00	7:30- 9:00	7:00-11:00	7:30- 9:00	7:30-12:00
WHT	Chicago	399.8	750	6:00-12:00	11:00- 9:30	Silent	6:00-12:00	6:00-12:00	6:00-12:00	6:00-12:00
WIBO	Chicago....	226	1330	5:00- 7:00	5:00-11:00	Silent	5:00- 1:00	5:00-11:00	5:00- 1:00	5:00- 1:00
WIP	Philadelphia	508.2	590	4:05-10:05	5:15- 6:15	4:05- 6:00	4:05-10:30	4:05- 6:00	4:05-10:15	4:05- 6:00
WJAR	Providence.	305.9	980	Silent	4:00- 8:15	5:45- 9:00	5:30- 8:00	5:30- 9:00	5:45- 9:00	5:45- 8:30
WJAS	Pittsburgh..	275.3	1090	6:00-11:00	Silent	6:00-11:00	6:00-11:00	6:00- 1:00	6:00-11:00	6:00-11:00
WJAX	Jacksonville	336.9	890	7:00- 9:00	6:30- 7:30	7:00- 9:00	7:00-11:00	7:00- 9:00	7:00-11:00	7:00- 9:00
WJAZ	Chicago....	329.5	910	8:00-12:00	6:00- 8:00	Silent	8:00-11:00	8:00-11:00	8:00-11:00	8:00-11:00
WJJD	Mooseheart.	370.2	810	4:30-12:00	2:00- 3:00	Silent	4:30-12:00	4:30-12:00	4:30-12:00	4:30-12:00
WJR	Pontiac.....	516.9	580	6:00-11:30	Silent	6:00-11:30	6:00- 9:00	6:00-11:00	6:00-10:00	6:00- 9:30
WJZ	New York...	454.3	660	5:00- 8:25	5:00- 9:00	5:00- 9:45	5:00- 9:40	5:00- 9:30	5:00- 9:30	5:00-10:00
WKAQ	San Juan...	340.7	880	Silent	Silent	6:30- 8:00	Silent	6:00- 8:00	Silent	6:00- 8:00
WKRC	Cincinnati..	422.3	710	9:00-10:15	4:45-10:15	4:00-11:00	8:00-10:45	4:00-11:00	8:00-10:15	Silent
WLIB	Chicago....	302.8	990	6:30-12:00	4:00- 5:15	Silent	6:00-12:00	6:00-12:00	6:00-12:00	6:00-12:00
WLIT	Philadelphia	394.5	760	Silent	Silent	6:00- 9:45	5:30- 6:30	6:30- 9:00	5:30- 6:30	6:00-10:00
WLS	Chicago....	344.6	870	6:30-11:00	5:00- 6:55	Silent	5:30- 8:10	5:40-12:00	5:40- 6:55	5:40-10:00
WLW	Cincinnati..	422.3	710	6:00- 9:00	2:00- 8:30	6:00-10:00	6:00-10:00	6:00-11:00	6:00-12:15	Silent
WLWL	New York...	288.3	1040	Silent	3:00- 6:00	6:00- 8:00	Silent	Silent	6:00- 8:00	Silent
WMAK	Lockport...	265.5	1130	4:15- 9:00	5:30- 6:30	5:30- 9:00	4:15- 5:15	5:30- 8:00	5:15- 6:00	Silent
WMAQ	Chicago....	447.5	670	5:00- 9:00	Silent	Silent	5:00- 8:55	5:00- 8:55	5:00- 9:30	5:00- 8:55
WMBB	Chicago....	250	1200	6:00-10:00	2:00-10:00	Silent	6:00-10:00	6:00-10:00	6:00-10:00	6:00-10:00
WMBF	Miami Bea'h	384.4	780	6:00-12:00	6:00-12:00	6:00-12:00	6:00-12:00	6:00-12:00	6:00-12:00	6:00-12:00
WMC	Memphis..	499.7	600	8:30- 9:30	Silent	8:30- 9:30	8:30-12:00	Silnet	8:30- 9:30	8:30-12:00
WMCA	New York...	340.7	880	7:00-11:00	5:00- 8:00	7:00-10:00	6:00-10:00	7:00-10:00	7:00-10:00	6:00- 9:45
WNAC	Boston.....	280.2	1070	4:00- 9:00	1:15- 6:45	4:30- 8:45	4:00- 7:00	4:00- 8:00	4:00- 7:00	4:00- 9:00
WNYC	New York..	526	570	5:00- 8:30	7:00- 9:00	5:35- 8:30	5:10- 9:30	5:30- 8:30	5:30- 8:30	5:30- 8:30
WOAI	San Antonio	394.5	760	Silent	7:45- 8:45	8:30- 9:30	8:30-10:30	8:30- 9:30	8:30- 9:30	8:30- 9:30
WOAN	Lawrenceb'g	282.8	1060	Silent	9:00-10:00	9:00- 1:30	9:00-10:00	9:00-10:00	9:00-10:00	9:00-10:00
WOAW	Omaha.....	526	570	6:00-12:00	6:00- 9:00	6:00-11:00	6:00- 1:00	Silent	6:00- 1:00	6:00-11:15
WOAX	Trenton ...	240	1250	Silent	7:30- 9:30	Silent	Silent	Silent	Silent	Silent
WOC	Davenport.	483.6	620	9:00-10:00	8:00-10:30	Silent	6:30- 9:00	6:00-10:30	6:00- 9:30	8:00- 9:30
WOI	Ames	270.1	1110	Silent	Silent	Silent	Silent	Silent	7:05- 8:50	Silent
WOK	Homewood.	217.3	1380	9:00-12:00	6:00-12:00	Silent	9:00-12:30	9:00-12:30	9:00-12:30	9:00-12:30
WOO	Philadelphia	508.2	590	Silent	4:05- 6:30	5:30-10:00	5:30- 6:30	5:30- 9:30	5:30- 6:30	5:30- 9:30
WOOD	Grand Rpds.	242	1240	8:00-10:35	Silent	8:00-11:00	8:00-10:05	8:00-10:05	Silent	8:00-10:05
WOQ	Kansas City	278	1080	8:00-11:00	7:00- 7:45	Silent	8:00- 9:00	Silent	7:00- 9:00	Silent
WOR	Newark.....	405.2	740	4:15-10:00	Silent	4:15-10:00	4:15- 6:00	4:15- 9:30	4:15- 6:20	4:15- 6:00
WORD	Batavia....	275	1090	6:00- 9:25	1:30- 9:00	Silent	6:00-11:45	6:00-11:45	7:00- 9:00	6:00-11:45
WOS	Jeffer'n City	440.9	680	Silent	5:00- 8:30	8:00-10:00	Silent	8:00-10:00	Silent	8:00-10:00
WPG	Atlantic City	299.8	1000	4:45-10:00	1:15- 9:00	4:45-10:00	4:45-10:00	Silent	4:15-10:00	4:45-10:00
WQJ	Chicago....	447.5	670	6:00- 2:00	2:00- 9:00	Silent	6:00- 1:00	6:00- 1:00	6:00- 1:00	6:00- 1:00
WRC	Washington	468.5	640	6:00-11:00	Silent	4:00- 5:20	6:00-10:30	4:00- 5:20	6:00-10:30	Silent
WREO	Lansing....	285.5	1050	9:00-11:00	Silent	Silent	7:15- 9:00	5:00- 6:00	5:00- 8:15	5:00- 6:00
WRR	Dallas	245.8	1220	6:00- 9:00	7:30-10:30	6:00- 9:00	6:00- 7:00	Silent	6:10-10:30	6:10-12:00
WRVA	Richmond.	256	1170	Silent	Silent	7:00-10:00	10:00-12:00	7:00-10:00	7:00-10:00	6:00-10:00
WRW	Tarrytown	273	1100	6:00- 9:30	6:00- 9:30	7:00- 9:30	7:00- 9:30	7:00- 9:30	7:00- 9:30	7:00- 9:30
WSAI	Cincinnati..	325.9	920	7:00-11:00	6:45- 8:45	Silent	6:00- 9:00	6:00-10:00	6:15- 9:00	Silent
WSB	Atlanta ...	428.3	700	8:00-12:00	7:30- 9:15	8:00-12:00	8:00-12:00	10:45-12:00	8:00-12:00	8:00-12:00
WSBC	Chicago...	209.7	1430	5:30- 3:00	5:30-12:00	5:30- 6:00	5:30-12:00	5:30-12:00	5:30-12:00	5:30-12:00
WSM	Nashville	282.8	1060	7:00-11:00	7:30- 9:00	7:00- 9:00	7:45- 9:00	7:00-11:00	Silent	7:00-11:00
WSMB	New Orleans	319	940	8:30-10:30	Silent	8:30-10:30	Silent	8:30-10:30	8:30-10:30	Silent
WSUI	Iowa City.	483.6	620	Silent	9:00-10:00	8:00- 9:00	Silent	Silent	Silent	Silent
WSWS	Chicago...	275.1	1090	5:00-10:00	5:00-10:00	Silent	5:00-10:00	5:00-10:00	5:00-11:00	5:00-11:00
WTAG	Worcester..	268	1120	Silent	2:00- 8:15	5:00- 9:00	5:45- 9:00	5:40- 9:00	6:00- 9:00	6:15- 8:30
WTAM	Cleveland...	389.4	770	5:00-11:00	6:00- 8:30	5:00-11:00	5:00-11:00	5:15-10:00	5:00-11:00	5:30-11:00
WTIC	Hartford...	475.9	630	Silent	Silent	4:30- 9:30	Silent	5:30- 9:00	6:00- 9:00	5:30-11:00
WWJ	Detroit.....	352.7	850	Silent	1:00- 8:15	5:00- 9:00	5:00- 7:00	5:00- 9:00	5:00-11:30	5:00- 9:00

STATIONS IN ORDER OF WAVE LENGTHS

Meters	Call	Meters	Call	Meters	Call	Meters	Call	Meters	Call	Meters	Call
209.7	WSBC	265.6	WENR	288.3	KFKX	340.7	WKAQ	399.8	WHAS	468.5	WCAP
217.3	WOK	265.6	WGHB	288.3	WLWL	340.7	WMCA	399.8	WHT	468.5	WRC
222	WCOA	265.6	WMAK	293.9	KTBI	344.6	WCBD	400	PWX	475.9	WBAP
226	KFWI	268	KFH	293.9	WAIU	344.6	WLS	405.2	KHJ	475.9	WTIC
226	WBBM	268	WTAG	293.9	WEAO	348.6	WEEI	405.2	WOR	475.9	WFAA
226	WIBO	270.1	WEAN	296.9	KPRC	350	CZE	406	WBAR	480	CYL
229	KMMJ	270.1	WGHP	299.8	KSL	352.7	WWJ	410.7	CKAC	483.6	WOC
232.4	KFON	270.1	WOI	299.8	WPG	356.9	CFCA	416.4	WCCO	483.6	WSUI
236.1	WGBF	272.6	WBBR	302.8	WGN	356.9	CKCL	421	KIAF	491.5	KGW
240	KFVE	272.6	WEBJ	302.8	WLIB	356.9	CKNC	422.3	WLW	491.5	WEAF
240	KTAB	272.6	WFBH	305.9	KTCL	361.2	KGO	422.3	WKRC	499.7	WMC
240	WOAX	273	WRW	305.9	WJAR	361.2	WHN	428.3	WSB	502.8	KFQB
242	WOOD	275.1	WHAD	309.1	KDKA	365.6	WDAF	428.3	KPO	508.2	KLX
244	WAMD	275.1	WHAR	315.6	KFDM	365.6	WHB	434.5	CNRO	508.2	WIP
246	WBAL	275.1	WORD	315.6	KPSN	370.2	WEBH	434.5	CFCN	508.2	WOO
250	KFXF	275.1	WSWS	315.6	WAHG	370.2	WJJD	434.5	NAA	516.9	CJCA
250	WGES	275.3	WJAS	315.6	WGBS	374.8	KTHS	435	AT9	516.9	WCX
250	WMBB	278	KOIL	319	WGR	374.8	KVOO	440.9	KLDS	516.9	WJR
252	KFWB	278	KWCR	319	WSMB	379.5	WGY	440.9	WDWF	526	WHO
252	KMA	278	KWWG	322.4	KOA	379.5	WHAZ	440.9	WOS	526	WNYC
252	WGCP	278	WCAU	325.9	WSAI	384.4	CKY	447.5	WMAQ	526	WOAW
256	WRVA	278	WOQ	329.5	KWKH	384.4	KJR	447.5	WQJ	535.4	KYW
258	WADC	280.2	KMOX	329.5	WJAZ	384.4	WMBF	454.3	KFOA	545.1	KFUO
260.7	KFWA	280.2	WNAC	333.1	WBZ	389.4	WTAM	454.3	WJZ	545.1	KSD
260.7	KFJF	282.8	WOAN	336.9	KNX	394.5	WFI	455	KTW		
263	KFNF	282.8	WSM	336.9	WJAX	394.5	WLIT	461.3	WCAE		
265.6	WBCN	285.5	WREO	340.7	KFAB	394.5	WOAI	467	KFI		

CONGRESS SPLITS ON RADIO SO BILLS WAIT

SENATE WANTS COMMISSION; HOUSE DOESN'T

Both Must Give and Take Before Agreement Can Be Reached—Action to Be Pushed

WASHINGTON, D. C.—After philandering with Radio legislation for months the first session of the sixty-ninth congress adjourned without having taken any definite action in spite of a last minute attempt to pass a resolution which was actually passed by both houses of congress but which failed of signature by the president before adjournment and which, therefore, did not become law.

During the closing days of the congress the senate passed the Dill Radio bill with a number of amendments, and inasmuch as the White bill has already passed the house, the bills were sent to conference. The conferees, however, only had twenty-four hours before the final adjournment of congress and they realized the impossibility of bringing out a compromise bill which could be passed. The conferees, therefore, unanimously adopted a joint resolution which was to become law and which they hoped would take care of the situation until the next session of congress in December. This is the resolution which the president failed to sign.

Promise Early Action

The conferees on the part of the senate, who will continue at the next session of congress, include; Senator Watson of Indiana, chairman of the committee on interstate commerce; Senator Cummins of Iowa, and Senator Dill of Washington. The conferees on the part of the house include; Representative Scott of Michigan, chairman of the house committee on merchant marine and fisheries, and Representatives White of Maine, Lehlbach of New Jersey, Lazaro of Louisiana, and Davis of Tennessee.

Representative Scott has announced that the Radio bill will be informally considered by the senate and house conferees during the recess of congress and that there will be a meeting about November 15 to whip a compromise measure into shape for immediate consideration of congress when the December session opens.

"I shall have copies of both the Dill bill, passed by the senate, and the White bill, passed by the house, printed in parallel columns, provision by provision, in a comparative way," said Mr. Scott. "My plan is to send this bill to all the conferees and have them study the provisions of the two bills comparatively so that they will be prepared to meet informally in Washington about November 15 to get together on a measure that will meet the situation adequately and satisfactorily."

Comparison of Bills

The resolution which the conferees hoped to have adopted during the closing hours of the congress, and which was drawn on behalf of the conference by Senator Dill and Representative White, provided that no broadcasting station could be granted a permit for longer periods than ninety days except in cases of commercial stations, which would have been allowed two years. It provides also that applicants for permits would have to sign a waiver of any claim against the United States to any wave length or to the use of the ether in Radio transmission because of a previous license.

Both the Dill and White bills have been explained at some length in Radio Digest from time to time. The White bill passed the house some months ago and differed from the Dill bill in that the latter provided for the administration of the law by a separate commission instead of by the department of commerce which has had jurisdiction since there has been any Radio law.

Dill Bill Provisions

The Dill bill passed the upper house during the two closing days of congress and a number of amendments were made to the original bill. One of these provided for a court review of any decision of the commission, while another reduced the salaries of the commissioners from $12,500 as originally provided for in the bill to $10,000. The salary of the secretary of the commission was also reduced from $7,500 to $5,000.

Another amendment adopted by the senate to the Dill bill provided that any station which permits a political speech shall give equal opportunity to the opponent of such speaker but shall not be liable for an uncensored speech.

A further amendment provided that if it is proposed to erect a station in any state of 5,000 watts or over, that the commission must notify the attorney general of the state and give him a hearing if he desires to protest against a license being issued.

Senate and House Are Divided

The Dill bill, as it finally passed, provides for Radio control in the United States by a commission of five selected from five different "zones" in the country. It was passed by the upper house without a record vote being taken. On the other hand, the White bill passed by the house provided that Radio control should remain in the hands of the department of commerce. The Dill bill strikes out the house bill entirely and inserts the whole new bill. It is this discrepancy that the conferees when they meet at the next session will have to iron out and it is obvious that it will be a give and take proposition.

Of course, a great deal of water will go over the dam before next December but it is understood that Representative White, on the part of the house, does not feel that his body should accept the senate commission bill. On the other hand Senator Dill feels this should be done. As a consequence both houses will have to give up some of their ideas and it is probable that the final legislation will be a mixture of the two bills.

RADIO STAR, HEARD AT WSM, TO OPERA

NASHVILLE, Tenn. — From 450 singers Joseph T. McPherson, of this city, was recently engaged for Metropolitan opera by Giulio Gatti-Casazza, director of that famous organization. Mr. McPherson helped dedicate WSM, the National Life and Accident Insurance company's station, of Nashville, Tenn. He received his graduate training from Signor G. S. De Luca of Nashville. Radio has helped hundreds of artists in America to develop their talents and receive recognition in their particular fields of endeavor. Therefore, WSM is proud of the attainments of this gifted singer.

COOLIDGE VOICE MAY BE WIRED TO DENVER

KOA Plans to Mike President's Message August 3

DENVER, Colo.—It is expected that President Coolidge will deliver a special address through KOA here to Coloradoans Tuesday, August 3, when closing features of Colorado's semi-centennial celebration will be microphoned from the Denver munipical auditorium.

Barring possible changes in present plans, the president's message will be relayed direct to the Denver auditorium by land wires from the Summer White House at White Pine camp in the Adirondacks. The entire celebration scheduled for 12 o'clock noon, Mountain time, will be transmitted by KOA and includes a number of addresses by leading western speakers and musical numbers by Colorado's finest talent.

BEGIN SEARCH ANEW FOR MISS RADIO 1926

PRIZE WOMAN FAN TO BE FETED AND HONORED

New York Radio World's Fair Manager Announces New Hunt for Diana of Broadcasting

NEW YORK.—Owing to the large number of entries and in order that the program for the entertainment of the winner may be worked out well in advance, the competition among the feminine broadcast listeners of the United States to determine who is entitled to the distinction of being named "Miss Radio, 1926-7," will end August 15.

"Miss Radio" will be a guest of honor at the Radio World's Fair and be introduced to the visible and invisible audience at the opening ceremonies on the night of September 13 in New Madison Square Garden. She will also be guest for a week at entertainments, receptions and theater parties arranged by women's clubs, Radio organizations and other associations. All expenses, including transportation to and from New York, will be allowed "Miss Radio," and she will be awarded a loving cup.

The present holder of the title is Rena Jane Frew of Beaver, Pa., who, as a student in Geneva college, won the 1925 contest.

How Winner Is Picked

The winner will be judged on skill in operating a receiving set to bring in long distance stations and for the best essay on "What Radio Is Doing for Women" or a kindred topic. The log will be judged with respect to kind of set used, location and other factors. Women in the Middle West, for instance, send in records that outshine those on the Atlantic and Pacific coasts, and ten tube super-heterodynes naturally bring in more stations than a one tube outfit, although last year an invalid woman reported 250 stations received on a single tube receiver.

Everything will be judged on its merits. Logs and letters, with a photograph, should be sent, preferably immediately, to G. Clayton Irwin, Jr., general manager of the Radio World's Fair, at 1475 Broadway, New York city.

Professionals, by which is meant people who directly or indirectly earn a living from Radio, are barred from the contest.

PILLOW AND COTTON AID TO DX-ER'S WIFE

NEW YORK.—Getting a divorce is not the only or the best method of curing a husband who insists on "DX-ing" during the "wee small hours" of the morning, according to one wife who wrote WEAF last week. Her letter concerned a program broadcast by WEAF but in its course she mentioned her husband's devotion to his receiving set and her method of ignoring the music which pours forth from the loud speaker at hours when all good mortals should be asleep. Here is her method: "When I go to bed now I put one ear on the pillow and a big bunch of cotton in the other one, and believe me, I just sleep fine."

KLZ Gives Housewives New Thing in Morning Concerts

DENVER.—An innovation in local Radio circles has been introduced to Rocky Mountain listeners with the adoption of morning musical programs for housewives, arranged by the city's leading Radio dealers and broadcast by KLZ here. Programs to suit every taste and presenting some of the best musical talent of Denver are featured on these programs which come during the busiest part of the housewife's day, 9 to 11 in the morning. During the summer months this is proving to be one of KLZ's most popular features.

Janet Beaudry's Numerology Talks Interest WGN Women

CHICAGO.—During WGN's Woman's club on Wednesday afternoons Janet Beaudry is offering a series of numerology talks. The Woman's club is on the air between 3 and 3:30 o'clock, Central daylight saving time.

Women listeners are enjoying the talks of Miss Beaudry. They deal with the enjoyable and ancient science whereby one's life is forecast and guided through the medium of numbers. Each Wednesday afternoon a different phase of the science is taken up and explained by Miss Beaudry and suggestions and comments regarding its application to everyday life given to listeners.

Numerous other features of interest are broadcast during the daily Woman's club, including talks by prominent Chicago clubwomen, special programs by women's organizations and music of various kinds.

SHORT WAVES

By Marcella

(Continued from page 2)

But then Quin Ryan of WGN, your other subject, is single. You just had them reversed.

* *

And now to jump back across the continent to WRC, Washington, for the benefit of "Phillis." I hope I won't disappoint you too much by telling you that Edward B. Husing is married, and has been for two years, is 25 years old and the proud father of a 14-month-old daughter. He has been on the air for a little more than a year, having announced first for Station WJZ and later being transferred to Washington where he handles most of the outside events. A picture of Mr. Husing would show you he is tall and slender. He has hazel eyes, chestnut brown hair, and is not at all hard to look at. His habits are football and aviation, and he holds a pilot's license.

* *

When I asked Gayle Grubb of KFAB, Lincoln, Nebr., about Earl Hildebrand, the assistant announcer there, he wrote me the usual comical letter. It is too good to be retouched, so here:

"To begin with, Earl has a voice as pleasing as a bottle of ale. He has more hair than Carter has pills, parts it on the left side, and his eyes are blue except during the hay fever season when they are a distinct red. He is about 5 feet 10 in height, is married and has a small boy. His other official capacity is advertising manager of the Nebraska Buick company, and if he can't sell the company, neither can Wrigley sell gum. I forgot to tell you that he has a growth of luxurious hair on the upper lip which doesn't seem to interfere with his announcing to any great extent. Outside of the studio and in private life he likes to roast wieners in the country, taking along a book on "Farming."

* *

Better late than never, "Jean," so here are the facts about the announcer and engineer at WSUI, Mr. Carl Menzer. Born at Lone Tree, Iowa, 26 years ago, the gentleman is still lone, I mean single. Is chuck full of experience and knowledge concerning building and operating broadcasting stations and has all sorts of degrees in Electrical Engineering. His height is 5 feet 8 inches; weight, 135 pounds; eyes, blue; hair, brown; hobby, Radio in all its forms. Besides his station duties, Mr. Menzer teaches in the Electrical Engineering department of the State University of Iowa. Marcella will vouch for it that he is very good looking, has no mustache, and parts his hair in the middle.

* *

The Record Boys—Frank Kamplain, Al Bernard and Sammy Stept—are taking a good, two month's rest at present but will be back on the air at WJZ shortly after September 1. Besides recuperating for the fall season, they are preparing many surprises, so be there early to tune them in.

* *

In our next edition of our "Blue Book of Broadcasting" I promise faithfully to divulge the characteristics of that idol of KDKA, Announcer Louis L. Kaufman. Stand by.

* *

What deep secret would you like to know about your favorite broadcast star? Drop me a note, girls and boys, and I'll do my best to answer here. MARCELLA.

CLARA HOOVER AT KOA CELEBRATES

Culinary Expert Ends First Year's Service—Has Released Over 600 Recipes

DENVER.—Clara Hoover, culinary expert here, has just celebrated her first anniversay as head of KOA's domestic science department.

In the last year, she has made 160 consecutive microphone appearances at the General Electric broadcasting station and has released more than 600 varied recipes to broadcast listeners—ranch women, society matrons, invalids, children and even men.

Responses to her triweekly discussions have mounted into the thousands, she reveals. Mrs. Hoover, who is widely known also as a food expert of the Solitaire laboratories at Denver, addresses KOA's cooking school every Tuesday, Thursday and Friday afternoon at 4 o'clock, Mountain time.

"My Radio experience proves that women are definitely interested in better housekeeping," she says. "They want to become more efficient as purchasing agents for the home. They welcome suggestions which will be the means of 'getting out of the rut' of everyday plain cooking."

WOMANS' PROGRAM INDEX

Monday

Atlantic	Eastern	Central	Mountain	Pacific
10:30 a.m.	9:30	8:30	7:30	6:30

WWJ (352.7m-850kc), Tonight's dinner.

10:45	9:45	8:45	7:45	6:45

WTAG (268m-1120kc), Marjorie Woodman, nurse.

11:50	10:50	9:50	8:50	7:50

WMC (499.7m-600kc), Home economics discussion, Miss Kitty.

12 n.	11	10	9	8

WHT (399.8m-750kc), Women's club, Jean Sargent.
WQJ (447.5m-670kc), Home Economics program. Aug. 2, "What Vocation Shall Your Child Follow?" "Your Home." Aug. 9, Baking talk.

12:30 p.m.	11:30	10:30	9:30	8:30

WEBH (370.2m-810kc), Fashion and household talks.
WGBF (236.1m-1270kc), Cooking instructions.
WGN (302.8m-990kc), Home Management period.

12:35	11:35	10:35	9:35	8:35

KYW (535.4m-560kc), Table talk.

1:15	12:15	11:15	10:15	9:15

KMOX (280.2m-1070kc), "Planning the Small House."

2	1	12 n.	11	10

KGW (491.5m-610kc), Household helps.
WSOE (245.8m-1220kc), Ladies' hour.

2:20	1:20	12:20	11:20	10:20

WGBF (236.1m-1270kc), Garden talk.

2:45	1:45	12:45	11:45	10:45

WQJ (447.5m-670kc), Aug. 2, "Pineapple Puddings and Salads"; "Facts About Pressure Cooking." "Care of the Skin and Hair." Aug. 9, "A Summer Vegetable Meal."

3	2	1	12 n.	11

WJZ (454.3m-660kc), "Your Daily Menu."

3:30	2:30	1:30	12:30	11:30

KFNF (461.3m-650kc), Mothers' hour.

4	3	2	1	12 n.

WCCO (416.4m-720kc), Women's hour.
WSOE (246m-1220kc), Cooking chats.
WHB (365.6m-820kc), Ladies' hour.
WIP (508.2m-500kc), Market hints for housewives.

4:45	3:45	2:45	1:45	12:45

KFNF (461.3m-650kc), Ladies' hour.

5	4	3	2	1

WOC (483.6m-620kc), Home management schedule, Aunt Jane.

6	5	4	3	2

KMOX 280.2m-1070kc), Housewives' hour.

6:15	5:15	4:15	3:15	2:15

KYW (535.4m-560kc), Meat talk, John Cutting.

7:30	6:30	5:30	4:30	3:30

KPO (428.3m-700kc), Fashion notes.

Tuesday

Atlantic	Eastern	Central	Mountain	Pacific
10 a. m.	9	8	7	6

WIP 508.2m-590kc), Menu, Anna Scott.

10:30	9:30	8:30	7:30	6:30

WWJ 352.7m-850kc), Tonight's dinner.

10:45	9:45	8:45	7:45	6:45

WTAG (267.7m-1120kc), Talk to mothers.

11	10	9	8	7

KDKA (309.m-970kc), Domestic Science. Arts for the Housewife.

12 n.	11	10	9	8

WHT (399.8m-750kc), Women's club, Jean Sargent.
WMCA (340.7m-880kc), Home Makers' club.
WQJ (447.5m-670kc), Home economics. Aug. 3, "The How and the Why of Electric Refrigeration." "Reducing." "Making Your Kitchen a Service Station for Health." Aug. 10, "Electric Refrigeration—An Aid to Hospitality." "Your Home."

12:30 p.m.	11:30	10:30	9:30	8:30

WEBH (370.2m-810kc), Fashion and household talks.
WGN (302.8m-990kc), Home Management period.

12:45	11:45	10:45	9:45	8:45

WOI (270.1m-1110kc), Homemakers' period.

1:15 p.m.	12:15	11:15	10:15	9:15

KMOX (280.2m-1070kc), "Planning the Small House."

2	1	12 n.	11	10

KGW (491.5m-610kc), Household Helps, shopping guide.
WGBF (236.1m-1270kc), Garden talk.

2:45 p.m.	1:45	12:45	11:45	10:45

WQJ (477.5m-670kc), Home Economics. Aug. 3, "Fish Feasts," "Natural Foods." Aug. 10, "Planning Your Menu for a Hot Sunday," "The Preparation of Whole Grain Foods."
WGBF (236.1m-1270kc), Garden talk.

3	2	1	12 n.	11

WJZ (454.3m-660kc), "Your Daily Menu," Mrs. J. Heath.

3:30	2:30	1:30	12:30	11:30

KFNF (461.3m-650kc), Half Hour on Cooking.

4	3	2	1	12 n.

WIP (508.2m-590kc), Menu talk.

4:15	3:15	2:15	1:15	12:15

WHO (526m-570kc), Recipes, household hints.

4:45	3:45	2:45	1:45	12:45

KFNF (461.3m-650kc), Ladies' hour.

5	4	3	2	1

WOC (483.6m-620kc), Home management schedule.

6	5	4	3	2

KMOX (280.2m-1070kc), Housewives' hour.

6:30	5:30	4:30	3:30	2:30

KOA (322.4m-930kc), Housewives' matinee.

7	6	5	4	3

KOA (322.4m-930kc), Culinary hints, Clara Hoover. Fashion hints.

7:45	6:45	5:45	4:45	3:45

WPG (299.8m-1000kc), Fashion Flashes.

Wednesday

Atlantic	Eastern	Central	Mountain	Pacific
10:30 a.m.	9:30	8:30	7:30	6:30

WWJ (352.7m-850kc), Tonight's dinner.

10:45	9:45	8:45	7:45	6:45

WTAG (268m-1120kc), Talk to Housewives, Mrs. Lydia Flanders.

12 n.	11	10	9	8

WEAO (293.9m-1020kc), Housekeepers' half hour.
WHT (399.8m-750kc), Women's club, Jean Sargent.
WQJ (447.5m-670kc), Home Economics program. Aug. 4, Golf hints. Aug. 11, "The Care of Your Mouth in Summer." Fish dinner menu for Friday.

12:30 p.m.	11:30	10:30	9:30	8:30

WEBH (370.2m-810kc), Fashion and Household talks.
WGBF (236.1m-1270kc), Cooking instructions.
WGN (302.8m-990kc), Household management period.

12:35	11:35	10:35	9:35	8:35

KYW (535.4m-560kc), Table talk.

1:15	12:15	11:15	10:15	9:15

KMOX (280.2m-1070kc), Cookery, Gladys Kimbrough.

2	1	12 n.	11	10

KGW (491.5m-610kc), Household Helps, shopping guide.

2:20	1:20	12:20	11:20	10:20

WGBF (236.1m-1270kc), Garden talk.

2:45	1:45	12:45	11:45	10:45

WQJ (447.5m-670kc), Home economics. Aug. 4, "Watch Your Step in Dieting." "Food for a Little Child." Aug. 11, "Pastries That Melt in Your Mouth." Home Economics talk. "Summer Play for Little Children."

3	2	1	12 n.	11

WJZ (454.3m-660kc), "Your Daily Menu."

3:30	2:30	1:30	12:30	11:30

KFNF (461.3m-650kc), Half hour on cooking.

4	3	2	1	12 n.

WCCO (416.4m-720kc), Woman's hour.
WHB (365.6m-820kc), Ladies' hour.

4:30	3:30	2:30	1:30	12:30

WLW (422.3m-710kc), Cooking school.

4:45	3:45	2:45	1:45	12:45

KFNF (461.3m-650kc), Ladies' hour.

Atlantic	Eastern	Central	Mountain	Pacific
5 p. m.	4	3	2	1

WOC (483.6m-620kc), Home management schedule, Aune Jane.

5:30	4:30	3:30	2:30	1:30

KFNF (461.3m-650kc), Flower talk.

6	5	4	3	2

KMOX (280.2m-1070kc), Housewives' hour.

6 p.m.	5	4	3	2

KMOX (270.2m-1070kc), Housewives' hour.
KOAC (280.2m-1070kc), Housekeepers' half hour.

7	6	5	4	3

KGO (361.2m-830kc), "Hints for Housekeeper."

8	7	6	5	4

KLX (508.2m-590kc), Woman's hour.
KMA (461.3m-650kc), Domestic science talk.

8:45	7:45	6:45	5:45	4:45

WBZ (333.1m-900kc), Household management.

Thursday

Atlantic	Eastern	Central	Mountain	Pacific
10 a.m.	9	8	7	6

WIP (508.2m-590kc), Menu talk.

10:30	9:30	8:30	7:30	6:30

WWJ (352.7m-850kc), Tonight's dinner.

10:45	9:45	8:45	7:45	6:45

WTAG (268m-1120kc), Marjorie Woodman, nurse.

11	10	9	8	7

WEAF (491.5m-610kc), Talks, cookery lecture.

11:50	10:50	9:50	8:50	7:50

WMC (499.7m-600kc), Home economics discussion, Miss Kitty.

12 n.	11	10	9	8

WEAO (293.9m-1020kc), Housekeepers' half hour.
WEAR (389.4m-770kc), Home service talk.
WHT (399.4m-750kc), Women's club, Jean Sargent.
WMCA (340.7m-880kc), Food bureau program.
WQJ (447.5m-670kc), Aug. 5, "Desserts, Dainty and Refreshing." "Peace and Health." Aug. 12, "Attractive Cheese Dishes." "Have Four Out of Five Pyorrhea?"

12:30 p.m.	11:30	10:30	9:30	8:30

WEBH (370.2m-810kc), Household and fashion talks.
WGN (302.8m-990kc), Home Management period.

12:35	11:35	10:35	9:35	8:35

KYW (535.4m-560kc), Table talks.

12:45	11:45	10:45	9:45	8:45

WOI (270.1m-1110kc), Homemakers' period.

1:15	12:15	11:15	10:15	9:15

KMOX (280.2m-1070kc), Recipes.

2	1	12 n.	11	10

KGW (491.5m-610kc), Household helps.
WGY (379.5m-790kc), July 1, "Midsummer Fashion Notes."

2:20	1:20	12:20	11:20	10:20

WGBF (236.1m-1270kc), Garden talk.

2:30	1:30	12:30	11:30	10:30

WSUI (483.6m-620kc), Aug. 5, "Nursing."

2:45	1:45	12:45	11:45	10:45

WQJ (447.5m-670kc), Aug. 5, "A Garden Party in an Apartment." Aug. 12, "Desserting the Kitchen Over Week Ends."

3	2	1	12 n.	11

WJZ (454.3m-660kc), Your Daily Menu.

3:15	2:15	1:15	12:15	11:15

WJZ (454.3m-660kc), "Wall Paper, Room by Room," A. Fillebroun.

3:30	2:30	1:30	12:30	11:30

KFNF (461.3m-650kc), Half hour on cooking.

4	3	2	1	12 n.

KSO (241.8m-1240kc), Woman's hour, Mrs. Margaret B. Russell.

4:30	3:30	2:30	1:30	12:30

WLS (344.6m-870kc), Homemakers hour.

4:45	3:45	2:45	1:45	12:45

KFNF (461.3m-650kc), Ladies' hour.

5	4	3	2	1

WOC (483.6m-620kc), Home management schedule, Aunt Jane.

6	5	4	3	2

KMA, 461.3m-650kc), Woman's hour.
KMOX (280.2m-1070kc), Housewives' hour.

Atlantic	Eastern	Central	Mountain	Pacific
6:30 p. m.	5:30	4:30	3:30	2:30

KOA (322.4m-930kc), Housewives' matinee.
WCCO (416.4m-720kc), Women's club program.

7	6	5	4	3

KOA (322.4m-930kc), Culinary hints, Clara Hoover.

Friday

Atlantic	Eastern	Central	Mountain	Pacific
10:30 a.m.	9:30	8:30	7:30	6:30

WWJ (352.7m-850kc), Tonight's dinner.

11 p.m.	10	9	8	7

KDKA (309.1m-970kc), Domestic science and Arts for the Housewife.

12 n.	11	10	9	8

WEAO (293.9m-1020kc), Housekeepers' half hour.
WHT (399.8m-750kc), Women's hour, Jean Sargent.
WQJ (447.5m-670kc), Sunday dinner menu. Aug. 13, "Candy."

12:15 p.m.	11:15	10:15	9:15	8:15

KYW (535.4m-560kc), Meat talk.
WMCA (340.7m-880kc), Food bureau.

12:30	11:30	10:30	9:30	8:30

WEBH (370.2m-810kc), Household and fashion talks.
WGBF (236.1m-1270kc), Cooking instructions.
WGN (302.8m-990kc), Home Management period.

12:35	11:35	10:35	9:35	8:35

KYW (535.4m-560kc), Table talk.

1:15	12:15	11:15	10:15	9:15

KMOX (280.2m-1070kc), Household hints.

2	1	12 n.	11	10

KGW (491.5m-610kc), Household helps.

2:45	1:45	12:45	11:45	10:45

WOAW (526m-570kc), Sunshine Sunday dinner menu.
WQJ (447.5m-670kc), Aug. 6, "New Ideas for Wash Day Dinners." Food talk. Aug. 13, "Home Made Beverages." "Pressure Cooking."

3	2	1	12 n.	11

WJZ (454.3m-660kc), "Your Daily Menu," Mrs. J. Heath.

4	3	2	1	12 n.

WHB (365.6m-820kc), Ladies' hour.

4:05	3:05	2:05	1:05	12:05

WCCO (416.4m-720kc), Woman's hour.

3:15	2:15	1:15	12:15	11:15

WJZ (454.3m-660kc), "They Are Wearing."

3:30	2:30	1:30	12:30	11:30

KFNF (461.3m-650kc), Half hour on cooking.

4:15	3:15	2:15	1:15	12:15

WJZ (454.3m-660kc), "Solving Candy Problems."

4:45	3:45	2:45	1:45	12:45

KFNF (461.3m-650kc), Ladies' hour.

5	4	3	2	1

KYW (535.4m-560kc), Woman's hour.
WOC (483.6m-620kc), Home Management, Aunt Jane.

5:15	4:15	3:15	2:15	1:15

WMAQ (447.5m-670kc).

6:30	5:30	4:30	3:30	2:30

KOA (322.4m-930kc), Housewives matinee.

7	6	5	4	3

KOA (322.4m-930kc), Culinary hints. Fashion review.

11:30	10:30	9:30	8:30	7:30

KMOX (280.2m-1070kc), Housewives' hour.

Saturday

Atlantic	Eastern	Central	Mountain	Pacific
10:30 p.m.	9:30	8:30	7:30	6:30

WWJ (352.7m-850kc), Tonight's dinner.

12 n.	11	10	9	8

WHT (399.8m-750kc), Women's club, Jean Sargent.
WQJ (447.5m-670kc), Home Economics program. Aug. 7, "Milk Desserts."

12:30 p.m.	11:30.	10:30	9:30	8:30

WEBH (370.2m-810kc), Household talks.
WGN (302.8m-990kc), Home Management period.

12:35	11:35	10:35	9:35	8:35

KYW (535.4m-560kc), Table talk.

LITTLE SYMPHONY OF CHICAGO DE

HIGH LIGHTS OF THE AIR

H. R. H., Crown Prince Gustaf Adolf, of Sweden, will speak to the people of the western part of the United States from KGO Sunday evening, August 1, between 7:35 and 9 p. m. Pacific time. His Royal Highness will be heard in the San Francisco Municipal Auditorium.

Radio might almost stand for revival because due to Radio so many well known musical comedies have become popular again. One of these favorites is "The Merry Widow." Everyone remembers the famous waltz from this operetta which set two continents to whirling before the war. Tune in KMOX Monday, August 2, for this vivacious music.

Crooning Clowns are a new variety, never seen nor heard before. The only way to find out how and why they croon is to tune in for WHB, Tuesday, August 3. They have specailized in microphone tricks and can make even an invisible audience laugh.

Anyone who has been a camper, tormented by mosquitos or awakened by the chattering of early rising birds, will enjoy the comedy, "A Night With the Campers," by the Symphony players, Wednesday, August 4.

A "Singing Chauffeur" is the latest offering of the microphone and this unique entertainer may be heard Thursday evening, August 5, at WTIC, Hartford. His name is Jack Conlon and his fine baritone voice is popular along the Eastern coast. He specializes in popular songs.

Friday the 13th is not always an unlucky date. Fans who enjoy the fine classical concerts of the Little Symphony of Chicago, which is composed of members of the Chicago Symphony orchestra, will hardly think this is a bad date when they find this group on the air at WLS. These Radio artists are as popular with the fans as the orchestra's concerts are at the Hall and when they are on the air there is not an empty earphone nor a neglected loud speaker to be had.

When you notice that you cannot tune in a favorite station do not become alarmed, stations are taking vacations just the same as other folks. The last two weeks in July, KTHS was resting after a sternuous winter of broadcasting. August finds a Florida station, WCOA, off the air.

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Sunday, August 1

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
5:30	4:30	3:30	2:30	1:30

WEAF (491.5m-610kc), Madame Nadine Sisova, pianist.

9:30	8:30	7:30	6:30	5:30

KOA (322.4m-930kc), KOA choristers.

10:30	9:30	8:30	7:30	6:30

WIP (508.2m-590kc), Organ and vocal recital.

11	10	9	8	7

KOA (322.4m-930kc), Open air concert.

11:05	10:05	9:05	8:05	7:05

WOOD (241.8m-1240kc), Instrumental quartet.

11:35	10:35	9:35	8:35	7:35

KGO (361.2m-830kc), Address, Crown Prince Gustaf Adolf of Sweden.

1 a.m.	12 m.	11	10	9

KGO (361.2m-830kc), Bem's Little symphony orchestra.

Sunday, silent night for: CFAC, CHIC, CKAC, CKNC, CNRA, CNRC, CNRE, CNRM, CNRO, CNRR, CNRT, CNRV, CNRW, KFAB, KFKX, KFOA, KFXF, KMA, KWWG, WAHG, WDAF, WEBJ, WEBW, WFI, WGBF, WGHB, WGHP, WHAS, WHAZ, WJAZ, WJJD, WJR, WLIT, WLWL, WMAQ, WMC, WNYC, WOAW, WOI, WOOD, WRC, WREO, WRVA, WSB, WSM, WTAM, WTIC.

Atlantic or Eastern Daylight Saving Time Stations

CFCA, Toronto, Can. (356.9m-840kc), 11 a m., St. Paul's Anglican church; 7 p. m., Timothy Eaton Memorial church; 9:30, concert orchestra.

WBBR, New York, N. Y. (272.6m-1100kc), 10 a. m., instrumental selections, choral singers; 10:30, Bible lecture; 11, choral singers, instrumental music; 11:20, Forrest Kleinhans, baritone; choral singers, instrumental music; 2 p. m., Watchtower orchestra; Forrest Kleinhans, baritone; lecture; 3:40, orchestra; 9, Watchtower choir; 9:25, Bible questions and answers.

WCAE, Pittsburgh, Pa. (461.3m-650kc), 4 p. m., Peoples Radio church service; 6:30, dinner concert; William Penn hotel; 7:20, Capitol theater gang.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:30 p. m., Pennsylvania hotel concert orchestra; 7:45, Cathay Tea Garden concert orchestra.

WEAF, New York, N. Y. (491.5m-610kc), 3-4 p. m., Greater New York Federation of Churches; 4-4:30, Instrumental program of sacred music; 4:30-5:30, Musical vespers, Federation mixed quartet; 5:30-6, Mme. Nadine Sisova, pianist; 6-7:20, Carl Rollins, baritone and orchestra; 7:20-9:15, Musical program Capitol theater, WEEI WCAP KSD WWJ WJAR WCAE; 9:15, Atwater Kent program; 9:45-10:15, Goldman band concert; Lotta Madden, soprano, WEEI WJAR WTAG WSAI WCSH.

WEEI, Boston, Mass. (348.6m-860kc), 7:20 p. m., WEAF; 9:15, WEAF; 9:45, WEAF; 10:15, review, Keith's theater.

WFBG, Altoona, Pa. (277.6m-1080kc), 10:45 a. m., First Methodist church; 2:30 p. m., Central Pennsylvania Bible conference; 7:30, St. Luke's Episcopal church.

WFI, Philadelphia, Pa., (394.5m-760kc), 7:30 p. m., services, Arch st. Presbyterian church.

WGBS, New York, N. Y. (315.6m-950kc), 9:30 p. m., WGBS Old-Time minstrels.

WHAR, Atlantic City, N. J. (275.1m-1090kc), 10:45 a. m., Chelsea Baptist church; 2:15 p. m., sacred recital, trio; 2:45, sermon; 7:50, Chelsea Baptist church; 9, with the classics.

WHN, New York, N. Y. (361.2m-830kc), 7:30 p. m., Calvary Baptist church; 12 mid., Eddie Elkins and his Playground orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 7:15 p. m., services, Holy Trinity church; 9:15, concert, Marine Hall, Atlantic City; 10:30, recital, Atlantic City high school.

WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Park Avenue Baptist church carillon, WGY; 7:25, Hotel Penn-sylvania concert orchestra, WGY; 9:30 Godfrey Ludlow, violinist, WGY.

WMAK, Buffalo, N. Y. (265.3m-1130kc), 7 p. m., Churchill Tabernacle.

WMCA, New York, N. Y. (340.7m-880kc), 7 p. m., Irene Golden and his Hotel McAlpin orchestra; Jewish Daily Forward hour.

WOO, Philadelphia, Pa., (508.2m-590kc), 10:30 a. m., services, Bethany Presbyterian church; 2:30 p. m., musical exercise, Bethany Sunday school; 6, organ recital.

WTAG, Worcester, Mass. (545.1m-550kc), 9:15 p. m., WEAF.

Eastern Standard or Central Daylight Saving Time Stations

KYW, Chicago, Ill. (535.4m-560kc), 11 a. m., Second Presbyterian church; 4 p. m., studio concert; 9:30-11, classical concert, Commonwealth Edison company.

WBAL, Baltimore, Md. (245.8m-1220kc), 7:30-8:30 p. m., WBAL concert orchestra.

WBZ, Springfield, Mass. (333.1m-900kc), 7 p. m., Copley Plaza concert; 9, Male quartet of Milton Lodge, No. 93, K. of P., Boston.

WCAP, Washington, D. C. (468.5m-640kc), 6:20-8:15 p. m., WEAF; 8:15-8:45, WEAF; 8:45-10, vesper hour.

WCBD, Zion, Ill. (344.6m-870kc), 9 p. m., McElroy Brothers; A. DePew, flutist; Paul Stewart, cornetist; Olive Tillman, violinist; duets, Mr. and Mrs. R. Steel; Mildred Donovan, contralto; duets: E. Paxton, baritone; Hester Robinson, reader; Esther DePew, pianist.

WCX, Detroit, Mich. (516.9m-580kc), 2:30 p. m., Schmeman's band; 8-10, Detroit symphony orchestra.

WEBH, Chicago, Ill. (370.2m-810kc), 7-9 p. m., artists program.

WGHP, Detroit, Mich. (270.1m-1110kc), 11 a. m., Services, Grosse Pointe Memorial church.

WGN, Chicago, Ill. (302.8m-990kc), 12 a. m., Uncle Walt; 1-2 p. m., Ambrose Larsen, organist; 2-2:50, Lyon and Healy; 6:15-6:45, Punch and Judy; 6:45-7, musicale; 7-7:20, Million sing; 7:20-7:30, Old Fashioned Almanack; 7:30-8, musicale; 8-8:15, Drake concert ensemble, Blackstone string quintet; 8:15-8:45, Atwater Kent musicale; 8:45-9, musicale; 9-10, Our Music room; 10-10:10, feature program; 10:10-11, WGN Studio ensemble.

WGY, Schenectady, N. Y. (379.5m-790kc), 9:30 a. m., First English Lutheran church; 6:05, WJZ; 6:20, WJZ.

WHT, Chicago, Ill. (399.8m-750kc), 1-1:30 p. m., Paul Rader.

WIBO, Chicago, Ill. (225.4m-1330kc), 10:15 a. m., First M. E. church of Evanston; 2-4 p. m., Uptown Conservatory of Music concert; 6-8, Oriole symphony orchestra, mixed quartet; 10-12, popular program; Oriole orchestra, artists.

WJAZ, Chicago, Ill. (329.5m-910kc), 7-9 p. m., Spanish garden studio.

WJJD, Mooseheart, Ill. (370.2m-810kc), 12-1 p. m., Howard L. Peterson, organist; 1:30-2:30, Mooseheart Sunday concert; 2:30-3, Radio Bible class.

WJR, Detroit-Pontiac, Mich. (516.9m-580kc), 10 a. m., First Baptist church; 8 p. m., Detroit symphony orchestra; 10, special song service, First Baptist church.

WLIB, Chicago, Ill. (302.8m-990kc), 5:45-6:15 p. m., Edward Benedict, organist.

WLW, Cincinnati, Ohio (422.3m-710kc), 9:30 a. m., Sunday school; 11, Central Parkway Branch, Y. M. C. A.; 7, organ; 8, Crosley Salon orchestra; Evelyn Nichols, soprano; Herman Maurer Bondoneo.

WMBB, Chicago, Ill. (249.9m-1200kc), 3-5 p. m., Trianon orchestra; special artists, concert program; 7-8 p. m., Trianon ensemble, sunset musicale; 9-11, Trianon orchestra; Woodlawn theater orchestra; ensemble; The Lombards, Billie Hoff, Monte Blunn and artists.

WOK, Chicago, Ill. (217.3m-1380kc), 6-12, Tip Top Inn concert; Capitol theater; studio program, dance orchestras.

WORD, Batavia, Ill. (275m-1090kc), 9:45 a. m., I. B. S. A. Singers; 10:15, Bible lecture; 1:45 p. m., musical program; 3, "The New World Beginning," Judge J. F. Rutherford; 7, I. B. S. A. Evensong service; 7:30, Bible lecture; 9:30, lecture.

WQJ, Chicago, Ill. (447.5m-670kc), 3-4 p. m., Hinshaw Conservatory of Music program; 8-10, Rainbo Garden orchestra concert; Ballentine artists' trio, violin, cello and piano; Chaminade girls' trio; Annie Bernhart, soprano; Ione Riemenslider, soprano; Jane Farien, contralto.

WSAI, Cincinnati, O. (325.9m-520kc), 7:45 p. m., chime concert, Robert Badgley; 8, sermonette; 8:15, WEAF; 8:45, WEAF.

WSWS, Chicago, Ill. (275.8m-1090kc), 11 a. m.-12:30 p. m., Moody church services; 3:30-5, services; 7-9:30, song service.

WTAM, Cleveland, O. (389.4m-770kc), 10:30 a. m., Trinity cathedral; 6 p. m., Hollenden hotel orchestra; 7, Park theater orchestra; 8, twilight musicale.

Central Standard Time Stations

CKY, Winnipeg, Can. (384.4m-780kc), 7 p. m., St. Matthews Anglican.

KFAB, Lincoln, Nebr. (340.7m-880kc), 9-10 p. m., Sunday evening musicale.

KFNF, Shenandoah, Ia. (461.3m-650kc), 10:50 a. m., First M. E. church; 2:30 p. m., Seed House song service; 3, Methodist Episcopal church South; 6:30, Golden Rule Circle; 8, Christian church services.

KFUO, St. Louis, Mo. (545.1m-550kc), 9:15 p. m., address, musical program.

KLDS, Independence, Mo. (440.9m-680kc), 11 a. m., services; Madge Nesbitt, soprano; mixed quartet; 3 p. m., studio program; 6:30, services; Lilly Allen, soprano; Edna Daniels, contralto; Elbert Dempsey, tenor; Dr. Frank Criley, bass; 9:15, services, organist; sermon.

KMA, Shenandoah, Ia. (461.3m-650kc), 8:30-9:30 a. m., services, music; 4-5 p. m., Men's Gospel team.

KMOX, St. Louis, Mo. (280.2m-1070kc), 9 p. m., Skouras Brothers Sunday night club.

KPRC, Houston, Tex. (296.9m-1010kc), 10:50 a. m., First Church of Christ, Scientist; 3 p. m., baseball, Shreveport-Houston; 9:30, Skyline studio concert; 11, Texans theater pipe organ concert.

KVOO, Bristow, Oklahoma. (374.8m-800kc), 12:30-7 p. m., continuous program with pipe organ, Rev. Luper and his 20-piece string band, the Laughton family, classical, harps and violins, Oklahoma Cowboy band, old-time tunes and the Cushing Military band; 7:30-9, Worship Hour.

KWCR, Cedar Rapids, Ia. (278m-1080kc), 11 a. m., St. Pauls Methodist Episcopal church, Walter L. Ewing, pastor; 5:15 p. m., Vesper services; 9:30, Sunshine Mission.

KYW, Chicago, Ill. (535.4m-560kc), 10 a. m., Second Presbyterian church; 3 p. m., studio concert; 8:30-10, classical concert, Commonwealth Edison company.

WAMD, Minneapolis, Minn. (243.8m-1230kc), 9:30 p. m., Arthur Faust, Leome Faust and stock company.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 10:50 a. m., Hennepin Avenue M. E. church; 4:10 p. m., House of Hope Presbyterian church; 7:15, WEAF; 9:30, St. Paul Municipal organ recital.

WDAF, Kansas City, Mo. (365.6m-820kc), 3-4 p. m., musical recital, Concannon School of music; 4-4.45, Vespers.

WFAA, Dallas, Tex. (475.9m-630kc), 6-7 p. m., Bible class; 7:15-8, Jack and Margaret Horn, cellist and pianist; 8-9, First Baptist church; 11-12, Ligon Smith's orchestra.

WHAD, Milwaukee, Wis. (275m-1090kc.), 3:15 p. m., Milwaukee Park Board band concert. WHAS, Louisville, Ky. (399.8m-750kc), 9:57 a. m., organ prelude; 10, Fourth Avenue Presbyterian church.

WHB, Kansas City, Mo. (365.6m-820kc), 9:40 a. m., Linwood Boulevard Christian church; 8-9, church services; 11:15, Linwood theater Radio feature, Morrill Moore, organist; Don Anchors, poet.

WHO, Des Moines, Ia. (526m-570kc), 5-6 p. m., Bankers Life Little symphony orchestra; Stewart Watson, baritone; 7:30-8:30, Paul Christianson and his Hotel Fort Des Moines orchestra.

WMC, Memphis, Tenn. (499.7m-600kc), 11 a. m., First Baptist church.

WOAI, San Antonio, Tex. (394.5m-760kc), 11 a. m., First Presbyterian Church, Rev. P. B. Hill, pastor; 7:45 p. m., Central Christian Church, Rev. John W. Darby, pastor.

WOAW, Omaha, Nebr. (526-570kc), 9 a. m., chapel service; 1:30 p. m., Father Flanagan's Boys' home period; 2:30, classical; 9, chapel service.

WOC, Davenport, Ia. (483.6m-620kc), 1-2 p. m., Old Folks' Musical program, Palmer Little symphony orchestra; 8-8:30, Methodist Episcopal church; 9:30-10:30, musical program, Palmer Little symphony.

WSM, Nashville, Tenn. (282.8m-1060kc), 7:30 p. m., First Presbyterian church.

WSOE, Milwaukee, Wis. (245.8m-1220kc), 10 a. m., M. E. church; 3:30 p. m., Laymen's Bible hour; 8, M. E. church.

Mountain Standard Time Stations

KOA, Denver, Colo. (322.4m-930kc), 11 a. m., First Baptist church; 5:30 p. m., organ recital, First Baptist church; 6:30, KOA choristers; 8, open-air concert, Denver municipal band.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Jim, Jack and Jean trio; 8-9, Aeolian organ; 9-10, Bob Bottger's Venetians; 10-11, Packard Six dance orchestra.

KFWB, Hollywood, Calif. (252m-1190kc), 9-11 p. m., KFWB Sunday night movie frolic, Bill Hatch and his orchestra.

KGO, Oakland, Cal. (361.2m-830kc), 11 a. m., First Methodist Episcopal church; organ music; 4 p. m., vesper service; 6:30-7:30, Bem's Little symphony orchestra; 9-10, Bem's Little symphony orchestra.

KGW, Portland, Ore. (491.5m-610kc), 10:25 a. m., church service; 7:30-9, evening service; 9-10, Chevrolet symphony orchestra.

KHJ, Los Angeles, Calif. (405.2m-740kc), 7-8 p. m., First M. E. church; 8-10, Orpheus Four male quartet.

KJR, Seattle, Wash. (384.4m-780kc), 11 a. m.-12:30 p. m., services, First M. E. church; organ recital, Mrs. Montgomery Lynch; 8-9:15, First M. E. church; 9:15-10:45, Puget Sound Savings and Loan association orchestra; solos.

KNX, Hollywood, Calif. (336.9m-890kc), 7-8 p. m., Circle theater organ and orchestra; 8-9, First Presbyterian Church of Hollywood; 9-10:30, program, Reed Brothers.

KPSN, Pasadena, Calif. (315.6m-950kc), 10:30 a. m., United Church Brotherhoods; 10:50, Passadena Presbyterian church.

Monday, August 2

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
8	7	6	5	4

CHIC (356.9m-840kc), Excerpts from Il Trovatore.

WOR (405.2m-740kc), Newark Philharmonic band.

8:15	7:15	6:15	5:15	4:15

WLIT (394.5m-760kc), String trio.

8:30 p. m.	7:30	6:30	5:30	4:30

WTIC (475.9m-630kc), Goldman band concert.

9:30	8:30	7:30	6:30	5:30

WHAZ (379.5m-790kc) Troy Hawaiian Four.

9:45	8:45	7:45	6:45	5:45

WOI (270.1m-1110kc), Boys' band.

10	9	8	7	6

WBZ (333.1m-900kc), Priscilla Beach half hour.

11	10	9	8	7

WCCO (416.4m-720kc), Scandinavian ensemble.

11:15	10:15	9:15	8:15	7:15

KOA (322.4m-930kc), Special program.

12	11	10	9	8

KMOX (280.2m-1070kc), Operetta, "The Merry Widow."

Monday, silent night for: CKAC, CNRA, CNRC, CNRE, CNRM, CNRO, CNRR, CNRT, CNRV, CNRW, KHJ, KLDS, KPSN, KWSC, KYW, WBBM, WCBD, WEBH, WEBJ, WENR, WGBF, WGBS, WGES, WGN, WHAS, WHT, WIBO, WIP, WJAZ, WJJD, WLIB, WLS, WMAQ, WMBB, WOAI, WOC, WOK, WORD, WQJ, WRC, WSAI.

Atlantic or Eastern Daylight Saving Time Stations

CHIC, Toronto, Can. (356.9m-840kc), 8 p. m., excerpts from Il Trovatore, Northern mixed quartet.

CKNC, Toronto, Can. (356.9m-840kc), 9 p. m., Eveready salon orchestra; Edgar Smith, bass; James Dodington, tenor.

WAHG, New York, N. Y. (315.6m-950kc), 7:45 p. m., Maud Hoffman, dramatic soprano; 8, Synchrophase hour; 9, Laurance Ballou, baritone; Edna Zitzmann, pianist; 9:30, Dorathea Rampmaier, contralto; 9:45, John Von Aspe, tenor; 10, Lou Hayes, singing pedagogue; 10:15, Frank Tremer's Orionites; 12, midnight variety program.

WBBR, New York, N. Y. (272.6m-1100kc), 8 p. m., Josephine Locke, violinist; Irene Kleinpeter, soprano.

WCAE, Pitsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert; 8, studio concert; 9, Kennywood park; 10, grand opera.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30, N. Snellenburg recital; 8, Carolyn Thomas, soprano; 8:30, The Hood Boys; 8:45, Merry Minstrels; 9:30, Duke Meana, Hawaiian; 9:45, Chalfont Sisters; 10:30, Campbells' orchestra.

WEAF, New York, N. Y. (491.5m-610kc), 4 p. m., Henrietta Meyer, soprano; 4:15, Harry Planten, pianist; 4:45, Len Saxon, tenor; 5, tea music; 6, dinner music; 7, Ben Gorden, tenor; 7:30, Fox and Tucker, Irish jigs and reels; 7:45, Ruth Rodgers, concert soprano; 8, Goldman band concert, Olive Cornell, soprano, WTIC, WWJ; 10, Operatic concert WCSH WCCO WOO WCAE WDAF WJAR WTIC WCAP KSD WSAI; 11-12, Rolfe's Palais D'Or orchestra.

WEEI, Boston, Mass. (348.6m-860kc), 6 p. m., Keith's Radio review; 8, Earl Nelson and his Uke; 8:15, Varsity Tire entertainers; 8:45, musicale; 9, steamship Dorothy Bradford orchestra; 9:30, Ed Andrews' Nautical dance orchestra.

WFI, Philadelphia, Pa., (394.5m-760kc), 10:30 a. m.,

ES FRIDAY 13TH; APPEARS AT WLS

io public by WLW, rson, left, has be- rite artists of the as known her for contralto soloist of hoir. To the right , conductor of the se summer concerts WEAF chain every Below is a favorite Pacific coast, the Los Angeles which ach member of this llner family.

FARMERS' PROGRAM INDEX

Farmer Dinner Concerts

Daily Except Sunday

CENTRAL TIME
KFNF, 12:15-1:35 p. m.
KMA, 11:30-12:30
KSO, 12:30-1:30 p. m.

Sunday

Atlantic	Eastern	Central	Mountain	Pacific	
4:30 p. m.	3:30	2:30	1:30	12:30	WFAA (475.9m-630kc), Sunday hour for farmers.

Monday

Atlantic	Eastern	Central	Mountain	Pacific	
12 m.	11	10	9	8	KMMJ (228.9m-1310kc), Poultry talks.
2:30 p. m.	1:30	12:30	11:30	10:30	KMA (461.3m-650kc), Farm talk, Agricultural aid.
					WMAQ (447.5m-670kc), Prairie Farmer farm talks.
2:45	1:45	12:45	11:45	10:45	WOI (270.1m-1110kc), Questions and answers on Horticulture.
8:15	7:15	6:15	5:15	4:15	WGY (379.5m-790kc), Agricultural program.
8:45	7:45	6:45	5:45	4:45	WSM (282.8m-1060kc), Poultry talks.
9	8	7	6	5	WOS (440.9m-680kc), Livestock questions and answers.
9:30	8:30	7:30	6:30	5:30	WMC (499.7m-600kc), Farm talk.
					WOI (270m-1110kc), Aug. 2, "Conditions of the American Farm Home."
10	9	8	7	6	KFNF (461.3m-650kc), Poultry talk.
10:30	9:30	8:30	7:30	6:30	WFAA (475.9m-630kc), Sears-Roebuck program.
12:05a.m.	11:05	10:05	9:05	8:05	KGO (361.2m-830kc), Agricultural Outlook.

Tuesday

Atlantic	Eastern	Central	Mountain	Pacific	
12 m.	11	10	9	8	KMMJ (228.9m-1310kc), Poultry talks.
2:15	1:15	12:15	11:15	10:15	WCCO (416.4m-720kc), Farm program.
2:30	1:30	12:30	11:30	10:30	KMA (461.3m-650kc), Agricultural aid.
					WMAQ (447.5m-670kc), Prairie Farmer farm talks.
2:45	1:45	12:45	11:45	10:45	WOI (270m-1110kc), "Animal Husbandry."
9:33	8:33	7:33	6:33	5:33	KYW (535.4m-560kc), American Farm Bureau Federation.
10:30	9:30	8:30	7:30	6:30	KOA (322.4m-930kc), Farm question box.

Wednesday

Atlantic	Eastern	Central	Mountain	Pacific	
1:45p.m.	12:45	11:45	10:45	9:45	WMAQ (447.5m-670kc), Prairie Farmer farm talks.
2:30	1:30	12:30	11:30	10:30	KMA (461.3m-650kc), Agricultural aid.
					WFAA (475.9m-630kc), Sears-Roebuck Agricultural program.
2:45	1:45	12:45	11:45	10:45	WOI (270.1m-1110kc), Poultry husbandry.
9	8	7	6	5	WOS (440.9m-680kc), Evening market hour, poultry questions and answers.

Thursday

Atlantic	Eastern	Central	Mountain	Pacific	
2:15p.m.	1:15	12:15	11:15	10:15	WOI (270m-1110kc), Farm crops.
2:30	1:30	12:30	11:30	10:30	KMA (461.3m-650kc), Agricultural aid.
					WMAQ (447.5m-670kc), Prairie Farmer farm talks.
9:30	8:30	7:30	6:30	5:30	WOI (270m-1110kc), Talk.
9:33	8:33	7:33	6:33	5:33	KYW (535.4m-560kc), American Farm bureau.
10:30	9:30	8:30	7:30	6:30	KOA (322.4m-930kc), Farm question box.

Friday

Atlantic	Eastern	Central	Mountain	Pacific	
2:15p.m.	1:15	12:15	11:15a.m.	10:15	WCCO (416.4m-720kc), Farmers' program.
2:30	1:30	12:30	11:30	10:30	KMA (461.3m-650kc), Agricultural aid.
					WMAQ (447.5m-670kc), Prairie Farmer farm talks.
2:45	1:45	12:45	11:45	10:45	WOI (270m-1110kc), Agricultural Economics.
9	8	7	6	5	WOS (440.9m-680kc), Evening Market hour. Dairy questions and answers.
9:30	8:30	7:30	6:30	5:30	WOC (483.6m-620kc), Question box.

Saturday

Atlantic	Eastern	Central	Mountain	Pacific	
2 p. m.	1	12 n.	11	10	KPRC (296.9m-1010kc), Farmers' educational and musical program.
2:15	1:15	12:15	11:15	10:15	KSO (241.8m-1240kc), Farm talk.
2:30	1:30	12:30	11:30	10:30	KMA (461.3m-650kc), Agricultural aid.
2:45	1:45	12:45	11:45	10:45	WOI (270m-1110kc), Soils, questions and answers.
9	8	7	6	5	KDKA (309.1m-970kc), Farm program.

Civic Pride association; 1 p. m., Tea room ensemble; 3, recital; 6:30, dinner music.

WGBS, New York, N. Y. (315.6m-950kc), 6 p. m., Uncle Geebee; 7, Contemporary Poets' series, Babette Duetsch; 7:10, music.

WHAR, Atlantic City, N. J. (275.1m-1090kc), 8 p. m., seaside hotel trio; 11, Follies Bergere dance orchestra.

WHN, New York, N. Y. (361.2m-830kc), 6:30 p. m., Movie club; 7:30, Joe Ward's Swanee entertainers; 8, Roseland dance orchestra; 9, Leverich Three and "Peter the Great"; 10, Charles Strickland's Palisades Amusement Park orchestra; 10:30, Leroy Smith's orchestra; 11:30, Club Alabam orchestra; 12 m., Silver Slipper orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 7, Uncle Wip's bedtime stories.

WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Hotel Madison dinner concert; 7:55, John B. Kennedy; 9, Maxwell House Coffee ensemble; 10:30, Harold Leonard's Waldorf-Astoria Roof orchestra.

WLIT, Philadelphia, Pa. (394.5m-760kc), 8:15 p. m., Starr company string trio; 9, Stanley theater hour; 10, Arcadia cafe dance orchestra; 10:30, vaudeville features, Fay's; 10:45, Ben Franklin El Patio dance orchestra.

WLWL, New York, N. Y. (288.3m-1040kc), 9 p. m., question box.

WMAK, Buffalo, N. Y. (265.3m-1130kc), 6:15-7:15 p. m., dinner music, Philco serenaders; 7:30-8:30, musicale; 8:30-9:30, musical program; 9:30-10, musical program; 10-11, Beaver hour.

WMCA, New York, N. Y. (340.7m-880kc), 6:30 p. m., Ernie Golden and his Hotel McAlpin orchestra; 7:15, Ernie Golden and his Hotel McAlpin orchestra; 9:15, Hardman hour of music; 10:30, Hotel Shelburne orchestra; 11, Jack Denny's orchestra; 11:30, Club Brighton orchestra; 12 m., McAlpin entertainers.

WNYC, New York, N. Y. (526m-570kc), 6 p. m., piano selections.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Sylvania dinner dance orchestra; 8, organ recital; 8:30, Sesquicentennial concert; 10, WEAF; 11, Sam Brown's Devon Park hotel orchestra.

WOR, Newark, N. J. (405.2m-740kc), 6:15 p. m., Jacques Jacobs' Hotel Shelton ensemble; 7, Jacques Jacobs' Hotel Shelton ensemble; 7:30, Brooklyn Daily Eagle program; 8, Newark Philharmonic band; 9, Klein's Serenading Shoemakers; 10, Monterey Society orchestra; 10:30, Monterey concert quintet; 11:15, Ben Bernie and his Berkeley-Carteret orchestra.

WTAG, Worcester, Mass. (545.1m-550kc), 6-7 p. m., Sterling Inn Ramlers; 7:10, Twilight scouts; 7:40, WTAG, entertainers.

Eastern Standard or Central Daylight Saving Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 5:30 p. m., Flotilla club; 8, Hawaiian players; 9, concert, Willows.

WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., dinner orchestra; 7:30-8, quartet; 8-9, trio; 9-10, dance orchestra.

WBZ, Springfield, Mass. (333.1m-900kc), 6 p. m., Hotel Lenox ensemble; 6:33, Hotel Kimball trio; 8, Capitol theater orchestra; 8:30, organ recital, Rene Dagenais; 9, Priscilla Beach half-hour; 9:30, Richard Elliott, ukelele soloist; Ernest LaFortune, novelty pianist.

WCAP, Washington, D. C. (468.5m-640kc), 8-9 p. m., Wardman Park Trio; 9-10, WEAF.

WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., dinner program, Goldkette ensemble; 8-10, Detroit symphony orchestra.

WGHB, Clearwater, Fla. (265.3m-1130kc), 8:30-10 p. m., Max Hartlette, pianist; Katherine Goss, violinist; Capitol theater orchestra.

WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert; 8:30-9, quartet; 9-10, ensemble, soloists.

WHAZ, Troy, N. Y. (379.5m-790kc), 8:30 p. m., Troy Hawaiian four; Paul Jones, tenor.

WJJD, Mooseheart, Ill. (370.2-810kc), 4:45-7 p. m., Dinner concert, Howard L. Peterson, organist, Palmer House Symphony players, Palmer House Victorians.

WJR, Detroit-Pontiac, Mich. (516-9m-580kc), 7 p. m., Goldkette's Petite symphony orchestra, soloists; 7:15, Caspar Lingeman, entertainers; 7:45, Good Will Oakland and Chief Pontiac; 8, Detroit symphony orchestra; 11:30, Merry Old Chief, Jewett jesters.

WLS, Chicago, Ill. (344.6m-870kc), 6:30 p. m., Al Melgard, organist; 6:45-7, Maurie Sherman's College Inn orchestra.

WLW, Cincinnati, Ohio (422.3m-710kc), 8 p. m., charleston lesson, Jack Pilzer's orchestra; 9, concert, Calumet Baking Powder company, Rainbo Gardens.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Jack Chapman's orchestra.

WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9 p. m., special concert; 10:05, Van Wyck's instrumental quartet.

WRVA, Richmond, Va. (256.3m-1170kc), 8:45 p. m., Chimes; 9:10, old violins and cellos; 10:30, Golden Gate syncopators; 11:30, Carry Me Back to Old Virginny.

WSAI, Cincinnati, O. (325.9m-520kc), 10 p. m., musical program.

WTAM, Cleveland, O. (389.4m-770kc), 6 p. m., Hollenden hotel orchestra; 8, studio program; 11, Emerson Gill and his Bamboo Garden orchestra.

WTIC, Hartford, Conn. (475.9m-630kc), 7:30 p. m., Goldman band concert; 9, WEAF; 10:03-10:30, Capitol theater organ.

WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7:30, Goldman band concert; 9, News orchestra.

Central Standard Time Stations

CKY, Winnipeg, Can. (384.4m-780kc), 11 p. m., Capitol theater revue.

KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., dinner concert; 8:30-10:30, musical program.

KFH, Wichita, Kan. (268m-1120kc), 7:10 p. m., Gage Brower's Hawaiians.

KFNF, Shenandoah, Ia. (461.3m-650kc), 7 p. m., Lester Smith's Harmony orchestra.

KFUO, St. Louis, Mo. (545.1m-550kc), 9 p. m., musical program.

KMA, Shenandoah, Ia. (461.3m-650kc), 9-11 p. m., two piano recital, Corey and Carl.

KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., Jacquinot Jules, organist; 7, KMOX Radio orchestra; 9, Etherlogue; 9:30, orchestra; 10, orchestra, soloists, "The Merry Widow."

KPRC, Houston, Tex. (296.9m-1010kc), 7:30 p. m., Eddie's Syncopators dance orchestra; 8:30-10, Skyline studio concert.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10-10 p. m., classic hour concert; 10-10:30, dance concert, Ray Mullens Como Roof Garden orchestra.

KVOO, Bristow, Okla. (374.8m-800kc), 6-9 p. m., Mrs. J. C. Weaver, "Oklahoma's sweetheart of the air" associate artists of Wagoner, Okla.

KWCR, Cedar Rapids, Iowa (278m-1080kc), 4:15 p. m., musical hour and fashion talk by Denecke stores; 9, studio program.

KWWG, Brownsville, Texas (277.6m-1080kc), 8:30-8:40 p. m., Annie Tucker, soprano; 8:40-9, Alfredo Laurents, violinist; Mrs. C. Davenport, contralto; 9-9:30, E. Toothman, baritone; George Desha, Hawaiian songs with uke; 9:30-9:45, dialogue, John Fanning, Lewis Pendergraft; 12:01-1 a. m., novelty and jazz.

WAMD, Minneapolis, Minn. (243.8m-1230kc), 7:15 p. m., classical hour; J. Blickfeldt, baritone; piano duets, Etta Landry and Mrs. F. Jellup; Ella Pendleton, soprano; 9, Gayle Wood, pianist; 10, Skyrocket frolic; Golden Gate orchestra; G. Ashton, harmonica and Bee Bee, singing canary.

WCCO, Minneapolis-St. Paul, Minn. (416-4m-720kc), 6:15 p. m., dinner concert, St. Paul hotel concert orchestra; Margery Brown Copeland, soprano; Anna Davis Bjerke, accompanist; 7:30, Radio Scouts' hour; 8, WEAF; 9, musical program, Scandinavian ensemble.

WCOA, Pensacola, Fla. (222m-1350kc), 7 p. m., 13th Coast Artillery band; Silva's Jazzomaniacs; First Baptist church choir.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., School of the Air; 8-9, WEAF; 11-45-1 a. m., Nighthawk frolic; Charlie Straight's Brunswick recording; Ted Meyn, organist; Earl Coleman's orchestra; Johnnie Campbell's orchestra.

WFAA, Dallas, Tex. (475.9m-630kc), 6:30-7:30 p. m., Troy Floyd and his Ozark orchestra; 8:30-9:30, Sears-Roebuck Agricultural Foundation program.

WHA, Madison, Wis. (535.4m-560kc), 8 p. m., musical program, University School of music.

WHAD, Milwaukee, Wis. (275m-1090kc), 6:10 p. m., Arthur Richter, organist; 8:30, Waldeman Schueler, pianist; Cliff Borchart, baritone; Vent Callahan, harmonica soloist.

WHB, Kansas City, Mo. (365.6m-820kc), 7-8 p. m., Sweeney Radio orchestra.

WHO, Des Moines, Ia. (526m-570kc), 7:30-8 p. m., Philbreck and his Younker tea-room orchestra; 8-9, Bankers Life trio, soloists.

WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Pappalardo Brothers orchestra.

WOAI, San Antonio, Tex. (394.5m-760kc), 4:30 p. m., Straus-Frank Pianologue program; 8:30, Sunshine Laundry orchestra.

WOAW, Omaha, Nebr. (526m-570kc), 6:50 p. m., orchestra; 9, classical.

WOI, Ames, Ia. (270.1m-1110kc), 7:45 p. m., band concert, Iowa Training School for Boys' band.

WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., Andrew Jackson hotel trio; 8, Frank School of music, piano reital; 10, Vito and his Radio Seven.

WSOE, Milwaukee, Wis. (245.8m-1220kc), 9 p. m., "Candygram" frolic.

WSUI, Iowa City, Ia. (483.6m-620kc), 8 p. m., general program.

Mountain Standard Time Stations

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., dinner concert, Brown Palace string orchestra; 8, instrumental program, Scheuerman's Colorado orchestra; 8:15, special program, commemorating Colorado's semicentennial anniversary.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Owen Fallon's Californians; 8-9, popular program; 9-10, program, Walter M. Murphy Motors company; KFOX; 10-11, program, Meiklejohn Brothers.

KFWB, Hollywood, Calif. (252m-1190kc), 7:30-8 p. m., program, Dr. Ralph Mitchell and Associated Dentists; 8-9, program, Sealy Mattress company; 9-10, program, American Dye Works, Inc.; 10-11, Warner Brothers frolic.

KGO, Oakland, Cal. (361.2m-830kc), 6-6:55 p. m., Bem's Little symphony orchestra.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-9, organ recital; 9-10, vaudeville entertainment, Steigerwald Milk Maids, Punch and Judy; 10-12 midnight, Cole McElroy's dance orchestra.

KJR, Seattle, Wash. (384.4m-780kc), 8:30-10 p. m., Post Intelligencer studio program.

KLX, Oakland, Cal. (508.2m-590kc), 8-9 p. m., Community night program; 9-10, Meeting of Protective Order of Lake Merritt Ducks.

KPO, San Francisco, Cal. (428.3m-700kc), 6:30-7 p. m., States Restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel orchestra; 8-9, studio program; 9-10, KFI program; 10-11, Mandarin Cafe orchestra.

Tuesday, August 3

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific	
8:30	7:30	6:30	5:30	4:30	WBLA (245.8m-1220kc), Mandolin orchestra.
9	8	7	6	5	WBZ (333.1m-900kc), Idyllic quartet.

Atlantic	Eastern	Central	Mountain	Pacific	
10 p. m.	9	8	7	6	WCBD (344.6m-870kc), Mandolin and guitar club.
					WHB (365.6m-820kc), Crooning Clowns.
11	10	9	8	7	KMOX (280.2m-1070kc), "By the Banks o' Bonny Doon."
12 m.	11	10	9	8	KGO (361.2m-830kc), Eveready program.
1 a.m.	12	11	10	9	KGO (361.2m-830kc), Pilgrims' program.

Tuesday, silent night for: CFCA, CKNC, CNRC, CNRE, CNRM, CNRO, CNRT, CNRW, KFH, KFKX, KFUO, KOA, KOB, KTAB, KWWG, WAHG, WAMD, WBBR, WCAP, WGCP, WHAZ, WOR, WOS, WRVA, WSMB, WSUI, WTAM, WTIC.

Atlantic or Eastern Daylight Saving Time Stations

WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner music; 8:30, WEAF, WEAF, New York, N. Y. (491-5m-610kc), 4 p. m., Mme. Marie Hulsman, soprano and Helen Hulsman, pianist; 5, tea music; 6, dinner music; 7, Elaine Horton, contralto; 7:30, Grant Kimball, tenor; 8, Salon concert, WEEI, WFI, WCAE, WWJ, WGR, WTAM; 8:30, The Gold Dust Twins, WEEI, WFI, WCAE, WGR, WWJ, WOC, WCSH, WJAR, WCCO, YLIB, WTAM, KSD; 9, Eveready hour, WEEI, WFI, WCAE, WGR, WWJ, WOC, KSD, WJAR, WCCO, WTAG, WGN, WTAM, WSAI; 10, Carlotta Burke and Lore Miller Burke, pianist, WEEI, WGR, WTAG, WCAE, WFI, WWJ, KSD, WTAM, WCSH; 10:30, Jack Albin and his orchestra from Hotel Bossert, WEEI, WGR, WTAG, WCAE, WFI, WWJ, KSD, WTAM, WCSH; 11:30-12, Frank Farrell and his Greenwich Village Inn orchestra.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30 p. m., Snellenburg Instrumental trio; 8, theater digest; 8:10, The Three Brothers; 8:25, Peter Ricci, baritone; 8:45, Higgins and Burke, songs; 9, Kuehnle's artists; 9:40, Eddie Malle's entertainers; 10, Cathay orchestra.

WEBJ, New York, N. Y. (272.6m-1100kc), 7 p. m., Original Blue and White Serenaders; 7:30, Luna's Knickerbocker Grill orchestra; 8:10, Isabel Henderson; 8:20, Jack Gall, concert pianist; 8:30, Luna's Marine band.

WEEI, Boston, Mass. (348.6m-860kc), 6 p. m., Keith's Radio review; 6:20, popular songs, George Joy, Nell Cantor; 7:45, musicale; 8, WEAF; 10:30, Jack Albin's Hotel Bossert orchestra.

WFI, Philadelphia, Pa. (394.5m-760kc), 3 p. m., recital Caroline Hoffman, pianist; 6:45, Adelphia Roof Garden orchestra; 8, WEAF; 8:30, WEAF; 9, WEAF; 10, moments musicale; 10:30, Jack Albin and orchestra.

WGBS, New York, N. Y. (315.6m-950kc), 6 p. m., Uncle Geebee; 6:30, Joseph Zucci, musical saw; 7, Arrowhead Inn concert orchestra; 8, play, auspices Episcopal Actor's guild; 8:30, Daca, Cowboy Composer; 9:30, Robertina Robertson, contralto; 9:45, Bernard Cohen, concert pianist; 10:15, Jas. E. Hudson, tenor; 10:30, Arrowhead Inn dance orchestra.

WHAR, Atlantic City, N. J. (275.1m-1090kc), 8 p. m., Seaside hotel trio.

WHN, New York, N. Y. (361.2m-830kc), 7:30 p. m., Will Oakland's Chateau; 8, Treasureland Home Owners ensemble; 9:30, Loew's 83rd St. theater orchestra; 10:30, Strand Roof orchestra; 11:30, Eddie Elkin's Playground orchestra; 12 m., Charm club orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 7, Uncle Wip's bedtime stories; 8, Steeplechase Pier dance orchestra; 8:30, Steel Pier minstrels; 9, Chalfonte-Haddon Hall dual trio; 10, Emo's weekly movie broadcast; 10:20, Cummins' Kentuckians dance orchestra; 11, Silver Slipper Supper club dance orchestra; 11:30, Seattle Harmony Kings dance orchestra.

WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Frank Dole; 7:20, Harold Leonard's Waldorf-Astoria Roof orchestra; 8:30, Deltah Pearl hour, WGY, WRC; 9, Pennsylvania Railroad hour, WRC, WGY; 10, Cook's Southern Hemisphere cruise, WRC, WGY; 10:45 p. m., George Olsen's Hotel Pennsylvania Roof orchestra.

WLIT, Philadelphia, Pa. (394.5m-760kc), 7:30 p. m., El Patio orchestra.

WLWL, New York, N. Y. (288.3m-1040kc), 9:15 p. m., Alec Compinsky, cellist; 9:30, Premier male quartet.

WMCA, New York, N. Y. (340.7m-880kc), 9 p. m., Beau Rivage orchestra; 9:30, Columbia Park entertainers; 10:30, Hotel Shelburne orchestra; 11, Ernie Golden and his Hotel McAlpin orchestra; 12 m., McAlpin entertainers.

LITTLE SYMPHONY OF CHICAGO DE

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Tuesday, August 3.
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Night With the C

Sunday, A

Headliners

Atlantic 5:30 Eastern 4:30 Central 3:30
WEAF (491.5m-610kc), Ma
pianist.
9:30 8:30 7:30
KOA (322.4m-930kc), KOA
10:30 9:30 8:30
WIP (508.2m-590kc), Organ
11 10 9
KOA (322.4m-930kc), Open
11:05 10:05 9:05
WOOD (241.8m-1240kc), Ins
11:35 10:35 9:35
KGO (361.2m-830kc), Addres
tai Adolf of Sweden.
1 a.m. 12 m. 11
KGO (361.2m-830kc), Bem's
chestra.

Sunday, silent night for:
CKNC, CNRA, CNRC, CNRE,
CNRT, CNRV, CNRW, KI
KFXF, KMA, KWWG, WA
WEBW, WFI, WGBF, WG
WHAZ, WJAZ, WJJD, W
WMAQ, WMC, WNYC, WOA
WREO, WRVA, WSB, WSM,

Atlantic or Eastern
Time Sta

CFCA, Toronto, Can. (356.9m
Paul's Anglican church; 7
Memorial church; 9:30, conc
WBBR, New York, N. Y. (27
instrumental selections, chor.
lecture; 11, choral singers
11:20, Forrest Kleinhans, b
instrumental music; 2 p. m.,
Forrest Kleinhans, baritone;
9, Watchtower choir; 9:25
answers.
WCAE, Pittsburgh, Pa. (461.3
ples Radio church service;
William Penn hotel; 7:20, Ca
WCAU, Philadelphia, Pa. (277.6m.
m., Pennsylvania hotel concert orc
Cathay Tea Garden concert orchestra.
WEAF, New York, N. Y. (491.5m-610kc),
Greater New York Federation of Churcl
Instrumental program of sacred music
Musical vespers, Federation mixed quar
Mme. Nadine Sisova, pianist; 6-7:20, C.
baritone and orchestra; 7:20-9:15, Music
Capitol theater, WEEI WCAP KSD W
WCAE; 9:15, Atwater Kent program;
Goldman band concert; Lotta Madde
WEEI WJAR WTAG WSAI WCSH.
WEEI, Boston, Mass. (348.6m-860kc), 7
WEAF; 9:15, WEAF; 9:45, WEAF; 10:
Keith's theater.
WFBG, Altoona, Pa. (277.6m-1080kc), 1(
First Methodist church; 2:30 p. m., Centr
vania Bible conference; 7:30, St. Luke'
church.
WFI, Philadelphia, Pa., (394.5m-760kc),
services, Arch st. Presbyterian church.
WGBS, New York, N. Y. (315.6m-950kc),
WGBS Old-Time minstrels.
WHAR, Atlantic City, N. J. (275.1m-109
a. m., Chelsea Baptist church; 2:15 p.
recital, trio; 2:45, sermon; 7:50, Chels
church; 9, with the classics.
WHN, New York, N. Y. (361.2m-830kc),
Calvary Baptist church; 12 mid., Ed
and his Playground orchestra.
WIP, Philadelphia, Pa. (508.2m-590kc),
services, Holy Trinity church; 9:15, conc
Hall Atlantic City; 10:30, recital, At
high school.
WJZ, New York, N. Y. (454.3m-660kc),
Park Avenue Baptist church carillon, V
Hotel Pennsylvania concert orchestra,
Godfrey Ludlow, violinist, WGY.
WMAK, Buffalo, N. Y. (265.3m-1130kc).
Churchill Tabernacle.
WMCA, New York, N. Y. (340.7m-880kc)
Irene Golden and his Hotel McAlpin
Jewish Daily Forward hour.
WOO, Philadelphia, Pa., (508.2m-590kc),
services, Bethany Presbyterian church;
musical exercise, Bethany Sunday schoo
recital.
WTAG, Worcester, Mass. (545.1m-550kc),
WEAF.

Eastern Standard or Central
Saving Time Stations

KYW, Chicago, Ill. (535.4m-560kc), 11 a. m., Sec
ond Presbyterian church; 4 p. m., studio concert;
9:30-11, classical concert, Commonwealth Edison
company.
WBAL, Baltimore, Md. (245.8m-1220kc), 7:30-8:30 p.
m., WBAL concert orchestra.
WBZ, Springfield, Mass. (333.1m-900kc), 7 p. m.,
Copley Plaza concert; 9, Male quartet of Milton
Lodge, No. 93, K. of P., Boston.
WCAP, Washington, D. C. (468.5m-640kc), 6:20-8:15
p. m., WEAF; 8:15-8:45, WEAF; 8:45-10, vesper
hour.
WCBD, Zion, Ill. (344.6m-870kc), 9 p. m., McElroy
Brothers; A. DePew, flutist; Paul Stewart, cor-

KYW, Chicago, Ill. (535.4m-560kc), 10 a. m., Second
Presbyterian church; 3 p. m., studio concert; 8:30-10,
classical concert, Commonwealth Edison company.
WAMD, Minneapolis, Minn. (243.8m-1230kc), 9:30
p. m., Arthur Faust, Leome Faust and stock com-
pany.
WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc),
10:50 a. m., Hennepin Avenue M. E. church; 4:10
p. m., House of Hope Presbyterian church; 7:15,
WEAF; 9:30, St. Paul Municipal organ recital.
WDAF, Kansas City, Mo. (365.6m-820kc), 3-4 p. m.,

Headliners Today

Atlantic 8 Eastern 7 Central 6 Mountain 5 Pacific 4
CHIC (356.9m-840kc), Excerpts from Il Trova-
tore.
WOR (405.2m-740kc), Newark Philharmonic band.
8:15 7:15 6:15 5:15 4:15
WLIT (394.5m-760kc), String trio.

concert soprano; 8, Goldman band concert, Olive
Cornell, soprano, WTIC, WWJ; 10, Operatic concert
WCSH WCCO WOO WCAE WDAF WJAR WTIC
WCAP KSD WSAI; 11-12, Rolfe's Palais D'Or
orchestra.
WEEI, Boston, Mass. (348.6m-860kc), 6 p. m., Keith's
Radio review; 8, Earl Nelson and his Uke; 8:15,
Varsity Tire entertainers; 8:45, musicale; 9, steam-
ship Dorothy Bradford orchestra; 9:30, Ed Andrews'
Nautical dance orchestra.
WFI, Philadelphia, Pa., (394.5m-760kc), 10:30 a. m.,

Webh, W
11:45, W
Khj, Knx

8, Wwj
Weei,
Wmbb; 9
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LITTLE SYMPHONY OF CHICAGO DEFIES FRIDAY 13TH; APPEARS AT WLS

HIGH LIGHTS OF THE AIR

H. R. H., Crown Prince Gustaf Adolf, of Sweden, will speak to the people of the western part of the United States from KGO Sunday evening, August 1, between 7:35 and 9 p. m. Pacific time. His Royal Highness will be heard in the San Francisco Municipal Auditorium.

Radio might almost stand for revival because due to Radio so many well known musical comedies have become popular again. One of these favorites is "The Merry Widow." Everyone remembers the famous waltz from this operetta which set two continents to whirling before the war. Tune in KMOX Monday, August 2, for this vivacious music.

Crooning Clowns are a new variety, never seen nor heard before. The only way to find out how and why they croon is to tune in for WHB, Tuesday, August 3. They have specialized in microphone tricks and can make even an invisible audience laugh.

Anyone who has been a camper, tormented by mosquitos or awakened by the chattering of early rising birds, will enjoy the comedy, "A Night With the Campers," by the Symphony players, Wednesday, August 4.

A "Singing Chauffeur" is the latest offering of the microphone and this unique entertainer may be heard Thursday evening, August 5, at WTIC, Hartford. His name is Jack Conlon and his fine baritone voice is popular along the Eastern coast. He specializes in popular songs.

Friday the 13th is not always an unlucky date. Fans who enjoy the fine classical concerts of the Little Symphony of Chicago, which is composed of members of the Chicago Symphony orchestra, will hardly think this is a bad date when they find this group on the air at WLS. These Radio artists are as popular with the fans as the orchestra's concerts are at the Hall and when they are on the air there is not an empty earphone nor a neglected loud speaker to be had.

When you notice that you cannot tune in a favorite station do not become alarmed, stations are taking vacations just the same as other folks. The last two weeks in July, KTHS was resting after a strenuous winter of broadcasting. August finds a Florida station, WCOA, off the air.

INTRODUCED to the Radio public by WLW, Cincinnati, Irene Anderson, left, has become one of the favorite artists of the microphone. Cincinnati has known her for some time as the talented contralto soloist of Central Reformed church choir. To the right is Edwin Franko Goldman, conductor of the famous Goldman band whose summer concerts are being broadcast by the WEAF chain every Saturday and Sunday night. Below is a favorite string ensemble of the Pacific coast, the Zoellner string quartet of Los Angeles which plays frequently at KHJ. Each member of this quartet belongs to the Zoellner family.

Sunday, August 1

Headliners Today

Atlantic Eastern Central Mountain Pacific
5:30 4:30 3:30 2:30 1:30
WEAF (491.5m-610kc), Madame Nadine Sisova, pianist.
9:30 8:30 7:30 6:30 5:30
KOA (322.4m-930kc), KOA choristers.
10:30 9:30 8:30 7:30 6:30
WIP (508.2m-590kc), Organ and vocal recital
11 10 9 8 7
KOA (322.4m-930kc), Open air concert.
11:05 10:05 9:05 8:05 7:05
WOOD (241.8m-1240kc), Instrumental quartet
11:35 10:35 9:35 8:35 7:35
KGO (361.2m-830kc), Address, Crown Prince Gustaf Adolf of Sweden.
1 a.m. 12 m. 11 10 9
KGO (361.2m-830kc), Bem's Little symphony orchestra

Sunday, silent night for: CFAC, CHIC, CKAC, CKNC, CNRA, CNRC, CNRE, CNRM, CNRO, CNRR, CNRT, CNRV, CNRW, KFAB, KFKX, KFOA, KFXF, KMA, KWWG, WAHG, WDAF, WEBJ, WEBW, WFI, WGBF, WGHB, WGHP, WHAS, WHAZ, WJAZ, WJJD, WJR, WLIT, WLWL, WMAQ, WMC, WNYC, WOAW, WOI, WOOD, WRC, WREO, WRVA, WSB, WSM, WTAM, WTIC.

Atlantic or Eastern Daylight Saving Time Stations

CFCA, Toronto, Can. (356.9m-840kc), 11 a. m., St. Paul's Anglican church; 7 p. m., Timothy Eaton Memorial church; 9:30, concert orchestra.
WBBR, New York, N. Y. (272.6m-1100kc), 10 a. m., instrumental selections, choral singers, 10:30, Bible lecture; 11, choral singers, instrumental music; 11:20, Forrest Kleinhans, baritone, choral singers, instrumental music; 2 p. m., Watchtower orchestra, Forrest Kleinhans, baritone, lecture; 3:40, orchestra; 9, Watchtower choir, 9:25, Bible questions and answers.
WCAE, Pittsburgh, Pa. (461.3m-650kc), 4 p. m., Peoples Radio church service, 6:30, dinner concert; William Penn hotel; 7:20, Capitol theater gang.
WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:30 p. m., Pennsylvania hotel concert orchestra, 7:45, Cathay Tea Garden concert orchestra.
WEAF, New York, N. Y. (491.5m-610kc), 3-4 p. m., Greater New York Federation of Churches; 4-4:30, Instrumental program of sacred music, 4:30-5:30, Musical vespers, Federation mixed quartet; 5:30-6, Mme. Nadine Sisova, pianist, 6-7:20, Carl Rollins, baritone and orchestra; 7:20-9:15, Musical program Capitol theater, WEEI WCAP KSD WWJ WJAR WCAE; 9:15, Atwater Kent program, 9:45-10:15, Goldman band concert, Lotta Madden, soprano, WEEI WJAR WTAG WSAI WCSH.
WEEI, Boston, Mass. (348.6m-860kc), 7:20 p. m., WEAF; 9:15, WEAF; 9:45, WEAF; 10:15, review, Keith's theater.
WFBG, Altoona, Pa. (277.6m-1080kc), 10:45 a. m., First Methodist church; 2:30 p. m., Central Pennsylvania Bible conference; 7:30, St. Luke's Episcopal church.
WFI, Philadelphia, Pa. (394.5m-760kc), 7:30 p. m., services, Arch st. Presbyterian church.
WGBS, New York, N. Y. (315.6m-950kc), 9:30 p. m., WGBS Old-Time minstrels.
WHAR, Atlantic City, N. J. (275.1m-1090kc), 10:45 a. m., Chelsea Baptist church; 2:15 p. m., sacred recital, trio; 2:45, sermon; 7:50, Chelsea Baptist church; 9, with the classics.
WHN, New York, N. Y. (361.2m-830kc), 7:30 p. m., Calvary Baptist church; 12 mid., Eddie Elkins and his Playground orchestra.
WIP, Philadelphia, Pa. (508.2m-590kc), 7:15 p. m., services, Holy Trinity church; 9:15, concert, Marine Hall, Atlantic City; 10:30, recital, Atlantic City high school.
WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Park Avenue Baptist church carillon, WGY; 7:25, Hotel Pennsylvania concert orchestra, WGY; 9:30, Godfrey Ludlow, violinist, WGY.
WMAK, Buffalo, N. Y. (265.3m-1130kc), 7 p. m., Churchill Tabernacle.
WMCA, New York, N. Y. (340.7m-880kc), 7 p. m., Ernie Golden and his Hotel McAlpin orchestra; Jewish Daily Forward hour.
WOO, Philadelphia, Pa. (508.2m-590kc), 10:30 a. m., services, Bethany Presbyterian church, 2:30 p. m., musical exercise, Bethany Sunday school; 6, organ recital.
WTAG, Worcester, Mass. (545.1m-550kc), 9:15 p. m., WEAF.

Eastern Standard or Central Daylight Saving Time Stations

KYW, Chicago, Ill. (535.4m-560kc), 11 a. m., Second Presbyterian church; 4 p. m., studio concert; 9:30-11, classical concert, Commonwealth Edison company.
WBAL, Baltimore, Md. (245.8m-1220kc), 7:30-8:30 p. m., WBAL concert orchestra.
WBZ, Springfield, Mass. (333.1m-900kc), 7 p. m., Copley Plaza concert; 9, Male quartet of Milton Lodge, No. 93, K. of P., Boston.
WCAP, Washington, D. C. (468.5m-640kc), 6:20-8:15 p. m., WEAF; 8:15-8:45, WEAF; 8:45-10, vesper service.
WCBD, Zion, Ill. (344.6m-870kc), 9 p. m., McIlroy Brothers; A. DePew, flutist; Paul Stewart, cornetist; Olive Tillman, violinist; duets, Mr. and Mrs. R. Steel; Mildred Donovan, contralto; duets, J. Paxton, baritone, Hester Robinson, reader; Esther DePew, pianist.
WCX, Detroit, Mich. (516.9m-580kc), 2:30 p. m., Schmeman's band; 8:10, Detroit symphony orchestra.
WEBH, Chicago, Ill. (370.2m-810kc), 7-9 p. m., artists program.
WGHP, Detroit, Mich. (270.1m-1110kc), 11 a. m., Services, Grosse Pointe Memorial church.
WGN, Chicago, Ill. (302.8m-990kc), 12 a. m., Uncle Walt; 1-2 p. m., Ambrose Larsen, organist; 2-2:50, Lyon and Healy; 6:15-6:45, Punch and Judy, 6:45-7, musicale; 7-7:20, Million sing, 7:20-7:30, Old Fashioned Almanack; 7:30-8, musicale, 8-8:15, Drake concert ensemble, Blackstone string quintet; 8:15-8:45, Atwater Kent musicale; 8:45-9, musicale, 9-10, Our Music room, 10-10:10, feature program; 10:10-11, WGN Studio ensemble.
WGY, Schenectady, N. Y. (379.5m-790kc), 9:30 a. m., First English Lutheran church; 6:05, WJZ; 6:20, WJZ.
WHT, Chicago, Ill. (399.8m-750kc), 1-1:30 p. m., Paul Rader.
WIBO, Chicago, Ill. (225.4m-1330kc), 10:15 a. m., First M. E. church of Evanston, 2-4 p. m., Uptown Conservatory of Music concert; 6-8, Oriole symphony orchestra, mixed quartet; 10-12, popular program; Oriole orchestra, artists.
WJAZ, Chicago, Ill. (329.5m-910kc), 7-9 p. m., Spanish garden studio.
WJJD, Mooseheart, Ill. (370.2m-810kc), 12-1 p. m., Howard L. Peterson, organist, 1:30-2:30, Mooseheart Sunday concert, 2:30-3, Radio Bible class.
WJR, Detroit-Pontiac, Mich. (516.9m-580kc), 10 a. m., First Baptist church, 8 p. m., Detroit symphony orchestra, 10, special song service, First Baptist church.
WLIB, Chicago, Ill. (302.8m-990kc), 5:45-6:15 p. m., Edward Benedict, organist.
WLW, Cincinnati, Ohio (422.3m-710kc), 9:30 a. m., Sunday school, 11, Central Parkway Branch, Y. M. C. A., 7, organ, 8, Crosley Salon orchestra, Evelyn Nichols, soprano, Herman Maurer Bondoneo.
WMBB, Chicago, Ill. (249.9m-1200kc), 3-5 p. m., Trianon orchestra, special artists, concert program; 7-8 p. m., Trianon ensemble, sunset musicale, 9-11, Trianon orchestra, Woodlawn theater orchestra; ensemble, The Lombards, Billie Hoff, Monte Blum and artists.
WOK, Chicago, Ill. (217.3m-1380kc), 6-12, Tip Top Inn concert; Capitol theater, studio program, dance orchestras.
WORD, Batavia, Ill. (275m-1090kc), 9:45 a. m., I. B. S. A. Singer, 10:15, Bible lecture, 1:45 p. m., musical program, 3, "The New World Beginning," Judge J. F. Rutherford, 7, I. B. S. A. Evensong service; 7:30, Bible lecture; 9:30, lecture.
WQJ, Chicago, Ill. (447.5m-670kc), 3-4 p. m., Hinshaw Conservatory of Music program; 8-10, Rainbo Garden orchestra concert, Ballentine artists' trio, violin, cello and piano; Chaminade girls' trio; Anne Bernhart, soprano, Ione Riemenschider, soprano; Jane Fariem, contralto.
WSAI, Cincinnati, O. (325.9m-520kc), 7:45 p. m., chimé concert, Robert Badgley; 8, sermonette; 8:15, WEAF, 8:45, WEAF.
WSWS, Chicago, Ill. (275.8m-1090kc), 11 a. m.-12:30 p. m., Moody church services; 3:30-5, services; 7-9:30, song service.
WTAM, Cleveland, O. (389.4m-770kc), 10:30 a. m., Trinity cathedral; 6 p. m., Hollenden hotel orchestra, 7, Park theater orchestra; 8, twilight musicale.

Central Standard Time Stations

CKY, Winnipeg, Can. (384.4m-780kc), 7 p. m., St. Matthews Anglican.
KFAB, Lincoln, Nebr. (340.7m-880kc), 9-10 p. m., Sunday evening musicale.
KFNF, Shenandoah, Ia. (461.3m-650kc), 10:50 a. m., First M. E. church, 2:30 p. m., Seed House song service, 3, Methodist Episcopal church South; 6:30, Golden Rule Circle, 8, Christian church services.
KFUO, St. Louis, Mo. (545.1m-550kc), 9:15 p. m., address, musical program.
KLDS, Independence, Mo. (440.9m-680kc), 11 a. m., services; Madge Nesbitt, soprano, mixed quartet; 3 p. m., studio program, 6:30, services; Lilly Allen, soprano, Edna Daniels, contralto, Elbert Dempsey, tenor, Dr. Frank Criley, bass; 9:15, services, organist, sermon.
KMA, Shenandoah, Ia. (461.3m-650kc), 8:30-9:30 a. m., services, music; 4-5 p. m., Men's Gospel team.
KMOX, St. Louis, Mo. (280.2m-1070kc), 9 p. m., Skouras Brothers Sunday night club.
KPRC, Houston, Tex. (296.9m-1010kc), 10:50 a. m., First Church of Christ, Scientist, 3 p. m., baseball, Shreveport-Houston; 9:30, Skyline studio concert, 11, Texas theater pipe organ concert.
KVOO, Bristow, Oklahoma. (374.8m-800kc), 12:30-7 p. m., continuous program with pipe organ, Rev. Luper and his 20 piece string band, the Laughton family, classical, harps and violins, Oklahoma Cow boy band, old time tunes and the Cushing Military band, 7:30-9, Worship Hour.
KWCR, Cedar Rapids, Ia. (278m-1080kc), 11 a. m., St. Paul's Methodist Episcopal church, Walter L. Ewing, pastor, 5:15 p. m., Vesper services, 9:30, Sunshine Mission.
KYW, Chicago, Ill. (535.4m-560kc), 10 a. m., Second Presbyterian church, 3 p. m., studio concert, 8:30-10, classical concert, Commonwealth Edison company.
WAMD, Minneapolis, Minn. (243.8m-1230kc), 9:30 p. m., Arthur Faust, Leonie Faust and stock company.
WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 10:50 a. m., Hennepin Avenue M. E. church; 4:10 p. m., House of Hope Presbyterian church; 7:15, WEAF; 9:30, St. Paul Municipal organ recital.
WDAF, Kansas City, Mo. (365.6m-820kc), 3-4 p. m., musical recital, Concannon School of music; 4-4:45, Vespers.
WFAA, Dallas, Tex. (475.9m-630kc), 6-7 p. m., Bible class; 7:15-8, Jack and Margaret Horn, cellist and pianist; 8-9, First Baptist church; 11-12, Ligon Smith's orchestra.
WHAD, Milwaukee, Wis. (275m-1090kc.), 3-15 p. m., Milwaukee Park Board band concert. WHAS, Louisville, Ky. (399.8m-750kc), 9:57 a. m., organ prelude; 10, Fourth Avenue Presbyterian church.
WHB, Kansas City, Mo. (365.6m-820kc), 9:40 a. m., Linwood Boulevard Christian church, 8-9, church services; 11:15, Linwood theater Radio feature, Morrill Moore, organist, Don Anchors, poet.
WHO, Des Moines, Ia. (526m-570kc), 5-6 p. m., Bankers Life Little symphony orchestra; Stewart Watson, baritone, 7:30-8:30, Paul Christianson and his Hotel Fort Des Moines orchestra.
WMC, Memphis, Tenn. (499.7m-600kc), 11 a. m., First Baptist church.
WOAI, San Antonio, Tex. (394.5m-760kc), 11 a. m., First Presbyterian Church, Rev. P. B. Hill, pastor; 7:45 p. m., Central Christian Church, Rev. John W. Darby, pastor.
WOAW, Omaha, Nebr. (526-570kc), 9 a. m., chapel service; 1:30 p. m., Father Flanagan's Boys' home period; 2:30, classical; 9, chapel service.
WOC, Davenport, Ia. (483.6m-620kc), 1-2 p. m., Old Folks' Musical program, Palmer Little symphony orchestra; 8-8:30, Methodist Episcopal church; 9:30-10:30, musical program, Palmer Little symphony.
WSM, Nashville, Tenn. (282.8m-1060kc), 7:30 p. m., First Presbyterian church.
WSOE, Milwaukee, Wis. (245.8m-1220kc), 10 a. m., M. E. church; 3:30 p. m., Laymen's Bible hour; 8, M. E. church.

Mountain Standard Time Stations

KOA, Denver, Colo. (322.4m-930kc), 11 a. m., First Baptist church, 5:40 p. m., organ recital, First Baptist church; 6:30, KOA choristers; 8, open-air concert, Denver municipal band.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Jim, Jack and Jean trio, 8-9, Aeolian organ; 9-10, Bob Bottger's Venetians; 10-11, Packard Six dance orchestra.
KFWB, Hollywood, Calif. (252m-1190kc), 9-11 p. m., KFWB Sunday night movie frolic, Bill Hatch and his orchestra.
KGO, Oakland, Cal. (361.2m-830kc), 11 a. m., First Methodist Episcopal church, organ music; 4 p. m., vesper service; 6:30-7:30, Bem's Little symphony orchestra, 9-10, Bem's Little symphony orchestra.
KGW, Portland, Ore. (491.5m-610kc), 10:25 a. m., church service; 7:30-9, evening service; 9-10, Chevrolet symphony orchestra.
KHJ, Los Angeles, Calif. (405.2m-740kc), 7-8 p. m., First M. E. church; 8-10, Orpheus Four male quartet.
KJR, Seattle, Wash. (384.4m-780kc), 11 a. m.-12:30 p. m., services, First M. E. church, organ recital, Mrs. Montgomery Lynch; 8-9:15, First M. E. church; 9:15-10:45, Puget Sound Savings and Loan association orchestra; solos.
KNX, Hollywood, Calif. (336.9m-890kc), 7-8 p. m., Circle theater organ and orchestra; 8-9, First Presbyterian Church of Hollywood, 9-10:30, program, Reed Brothers.
KPSN, Pasadena, Calif. (315.6m-950kc), 10:30 a. m., United Church Brotherhoods, 10:50, Pasadena Presbyterian church.

Monday, August 2

Headliners Today

Atlantic Eastern Central Mountain Pacific
8 7 6 5 4
CHIC (356.9m-840kc), Excerpts from Il Trovatore
WOR (405.2m-740kc), Newark Philharmonic band.
8:15 7:15 6:15 5:15 4:15
WLIT (394.5m-760kc), String trio.
8:30 p. m. 7:30 6:30 5:30 4:30
WTIC (475.9m-630kc), Goldman band concert.
9:30 8:30 7:30 6:30 5:30
WHAZ (379.5m-790kc) Troy Hawaiian Four.
9:45 8:45 7:45 6:45 5:45
WOI (270.1m-1110kc), Boys' band.
10 9 8 7 6
WBZ (333.1m-900kc), Priscilla Beach half hour.
11 10 9 8 7
WCCO (416.4m-720kc), Scandinavian ensemble
11:15 10:15 9:15 8:15 7:15
KOA (322.4m-930kc), Special program.
12 11 10 9 8
KMOX (280.2m-1070kc), Operetta, "The Merry Widow."

Monday, silent night for: CKAC, CNRA, CNRC, CNRE, CNRM, CNRO, CNRR, CNRT, CNRV, CNRW, KHJ, KLDS, KPSN, KWSC, KYW, WBBM, WCBD, WEBH, WEBJ, WENR, WGBF, WGBS, WGES, WGN, WHAS, WHT, WIBO, WIP, WJAZ, WJJD, WLIB, WLS, WMAQ, WMBB, WOAI, WOC, WOK, WORD, WQJ, WRC, WSAI.

Atlantic or Eastern Daylight Saving Time Stations

CHIC, Toronto, Can. (356.9m-840kc), 8 p. m., excerpts from Il Trovatore, Northern mixed quartet.
CKNC, Toronto, Can. (356.9m-840kc), 9 p. m., Eveready salon orchestra; Edgar Smith, bass; James Dodington, tenor.
WAHG, New York, N. Y. (315.6m-950kc), 7:45 p. m., Maud Hoffman, dramatic soprano; 8, Synchrophase hour; 9, Laurance Ballou, baritone; Edna Zitzmann, pianist; 9:30, Dorathea Rampmaier, contralto, 9:45, John Von Aspe, tenor; 10, Lon Hayes, singing pedagogue; 10:15, Frank Tremer's Orionites; 12, midnight variety program.
WBBR, New York, N. Y. (272.6m-1100kc), 8 p. m., Josephine Locke, violinist; Irene Kleinpeter, soprano.
WCAE, Pitsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert; 8, studio concert; 9, Kennywood park, 10, grand opera.
WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30, N. Snellenburg recital; 8, Carolyn Thomas, soprano; 8:30, The Hood Boys, 8:45, Merry Minstrels; 9:30, Duke Meana, Hawaiian, 9:45, Chalfont Sisters; 10:30, Campbells' orchestra.
WEAF, New York, N. Y. (491.5m-610kc), 4 p. m., Henrietta Meyer, soprano, 4:15, Harry Planten, pianist; 4:45, Len Saxon, tenor; 5, tea music; 6, dinner music; 7, Ben Gorden, tenor; 7:30, Fox and Tucker, Irish jigs and reels; 7:45, Ruth Rodgers, concert soprano; 8, Goldman band concert, Olive Cornell, soprano, WTIC, WWJ; 10, Operatic concert WCSH WCCO WOO WCAE WDAF WJAR WTIC WCAP KSD WSAI; 11-12, Rolfe's Palais D'Or orchestra.
WEEI, Boston, Mass. (348.6m-860kc), 6 p. m., Keith's Radio review; 8, Earl Nelson and his Uke; 8:15, Varsity Tire entertainers; 8:45, musicale; 9, steamship Dorothy Bradford orchestra; 9:30, Ed Andrews Nautical dance orchestra.
WFI, Philadelphia, Pa. (394.5m-760kc), 10:30 a. m., Civic Pride association; 1 p. m., Tea room ensemble; 3, recital; 6:30, dinner music.
WGBS, New York, N. Y. (315.6m-950kc), 6 p. m., Uncle Geebee; 7, Contemporary Poets' series, Babette Duetsch; 7:10, music.
WHAR, Atlantic City, N. J. (275.1m-1090kc), 8 p. m., seaside hotel trio; 11, Follies Bergere dance orchestra.
WHN, New York, N. Y. (361.2m-830kc), 6:30 p. m., Movie club; 7:30, Joe Ward's Swanee entertainers; 8, Roseland dance orchestra; 9, Leverich Three and "Peter the Great"; 10, Charles Strickland's Palisades Amusement Park orchestra; 10:30, Leroy Smith's orchestra; 11:30, Club Alabam orchestra; 12 m., Silver Slipper orchestra.
WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 7, Uncle Wip's bedtime stories.
WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Hotel Madison dinner concert; 7:55, John B. Kennedy; 9, Maxwell House Coffee ensemble; 10:30, Harold Leonard's Waldorf-Astoria Roof orchestra.
WLIT, Philadelphia, Pa. (394.5m-760kc), 8:15 p. m., Starr company string trio; 9, Stanley theater hour; 10, Arcadia cafe dance orchestra; 10:30, vaudeville features, Fay's; 10:45, Ben Franklin El Patio dance orchestra.
WLWL, New York, N. Y. (288.3m-1040kc), 9 p. m., question box.
WMAK, Buffalo, N. Y. (265.3m-1130kc), 6:15-7:15 p. m., dinner music, Philco serenaders; 7:30-8:30, musicale; 8:30-9:30, musical program; 9:30-10, musical program; 10-11, Beaver hour.
WMCA, New York, N. Y. (340.7m-880kc), 6:30 p. m., Ernie Golden and his Hotel McAlpin orchestra; 7:15, Ernie Golden and his Hotel McAlpin orchestra; 9:15, Hardman hour of music; 10:30, Hotel Shelburne orchestra; 11, Jack Denny's orchestra; 11:30, Club Brighton orchestra; 12 m., McAlpin entertainers.
WNYC, New York, N. Y. (526m-570kc), 6 p. m., piano selections.
WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Sylvania dinner dance orchestra; 8, organ recital; 8:30, Sesquicentennial concert; 10, WEAF; 11, Sam Brown's Devon Park hotel orchestra.
WOR, Newark, N. J. (405.2m-740kc), 6:15 p. m., Jacques Jacobs' Hotel Shelton ensemble; 7, Jacques Jacobs' Hotel Shelton ensemble, 7:30, Brooklyn Daily Eagle program; 8, Newark Philharmonic band, 9, Klein's Serenading Shoemakers; 10, Monterey Society orchestra; 10:30, Monterey concert quintet; 11:15, Ben Bernie and his Berkeley-Carteret orchestra.
WTAG, Worcester, Mass. (545.1m-550kc), 6-7 p. m., Sterling Inn Ramblers; 7:10, Twilight scouts; 7:40, WTAG, entertainers.

DANCING
Central Time
Saturday
9, Webh, Wjaz, Wmbb, Wnyc, Wreo; 9:10, Kths, Wip; 9:30, Kths, Wgbs, Wor, Wrc; 10, Kmox, Kfwa, Koa, Kpo, Weaf, Wgn, Wjaz, Wjr, Wkrc, Wmca, Wnyc, Wor, Wqj, Wreo, Wtam; 10:05, Wcco; 10:30, Wamd; 10:45, Wip; 11, Kfwa, Kfwb, Kpo, Webh, Wfaa, Wgbu, Who, Wjaz, Wor; 11:30, Kths; 11:45, Wdaf; 12, Kgo, Kgw, Knx, Wgbu, Wjaz, Wjjd.
Monday
8, Wgep; 9, Wgbu, Wjar, Wor; 9:15, Wahg; 10, Kths, Wgbu, Wcep, Wgr, Wnyc, Wpg; 10:15, Wor; 10:30, Wgep, Whn; 11, Kew, Kell, Wgbu, Wcep, Wgr, Whn, Who, Wjaz; 11:15, Wdaf; 12, Knx, Kpo.
Tuesday
10:15, Kths; 10:30, Kths, Who; 10:45, Wsb, 11, Kew, Koil, Wgbu, Whn, Wjaz; 11:45, Wdaf, 12, Kgw, Khj, Knx, Kpo, Wdaf, Wjaz; 1, Wjj.
Wednesday
9:15, Wahg; 9:30, Whap, Who, Wor; 10, Kfwc, Whap, Weaf, Wgbu, Wgep, Wjaz, Wjj, 10:05, Wcco; 10:30, Whap, Whn, 11, Kmox, Koil, Kpo, Webh, Wgbu, Wgep, Wgr, Whn, Wjaz; 11:45, Wdaf; 12, Kfwa, Knx, Kpo, Wjaz, Wjjd.
Thursday
8, Wjr; 9, Webh, Weel, Wgbu, Whn, Wmbb, Wsai, Wjaz, 9:05, Wbz, Wip; 9:30, Wgbu, Wgy, Who, Wns; 10, Kths, Wgbu, Wmca, Weaf, Wjj; 10:30, Kths, Wpg, Webh, Wgbu, Whn, Wor; 11:45, Wgbu; 12, Kgo, Khj, Knx, Kpo, Wjjd.
Friday
8, Wjj; 9, Wcx, Webh, Weel, Wahg, Wcep, Wmbb; 9:15, Wfw; 9:30, Wcau, Wgbu; 10, Kths, Kpo, Whn, Wcep.

Eastern Standard or Central Daylight Saving Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 5:30 p. m., Flotilla club; 8, Hawaiian players; 9, concert, Willows.
WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., dinner orchestra; 7:30-8, quartet; 8-9, trio; 9-10, dance orchestra.
WBZ, Springfield, Mass. (333.1m-900kc), 6 p. m., Hotel Lenox ensemble; 6:33, Hotel Kimball trio; 8, Capitol theater orchestra; 8:30, organ recital, Rene Dagenais; 9, Priscilla Beach half-hour; 9:30, Richard Elliott, ukelele soloist; Ernest LaFortune, novelty pianist.
WCAP, Washington, D. C. (468.5m-640kc), 8-9 p. m., Wardman Park Trio; 9-10, WEAF.
WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., dinner program, Goldkette ensemble; 8-10, Detroit symphony orchestra.
WGHB, Clearwater, Fla. (265.3m-1130kc), 8:30-10 p. m., Max Hartlette, pianist; Katherine Goss, violinist; Capitol theater orchestra.
WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert; 8:30-9, quartet, 9-10, ensemble, soloists.
WHAZ, Troy, N. Y. (379.5m-790kc), 8:30 p. m., Troy Hawaiian four; Paul Jones, tenor.
WJJD, Mooseheart, Ill. (370.2-810kc), 4:45-7 p. m., Dinner concert, Howard L. Peterson, organist, Palmer House Symphony players, Palmer House Victorians.
WJR, Detroit-Pontiac, Mich. (516.9m-580kc), 7 p. m., Goldkette's Petite symphony orchestra, soloists; 7:15, Caspar Langeman, entertainers; 7:45, Good Will Oakland and Chief Pontiac; 8, Detroit symphony orchestra; 11:30, Merry Old Chief, Jewett Jesters.
WLS, Chicago, Ill. (344.6m-870kc), 6:30 p. m., Al Melgard, organist; 6:45-7, Maurie Sherman's College Inn orchestra.
WLW, Cincinnati, Ohio (422.3m-710kc), 8 p. m., charleston lesson, Jack Pilzer's orchestra; 9, concert, Calumet Baking Powder company, Rainbo Gardens.
WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Jack Chapman's orchestra.
WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9 p. m., special concert; 10:05, Van Wyck's instrumental quartet.
WRVA, Richmond, Va. (256.3m-1170kc), 8:45 p. m., Chimes; 9:10, old violins and cellos; 10:30, Golden Gate syncopators; 11:30, Carry Me Back to Old Virginny.
WSAI, Cincinnati, O. (325.9m-520kc), 10 p. m., musical program.
WTAM, Cleveland, O. (389.4m-770kc), 6 p. m., Hollenden hotel orchestra; 8, studio program; 11, Emerson Gill and his Bamboo Garden orchestra.
WTIC, Hartford, Conn. (475.9m-630kc), 7:30 p. m., Goldman band concert; 9, WEAF; 10:03-10:30, Capitol theater organ.
WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7:30, Goldman band concert; 9, News orchestra.

Central Standard Time Stations

CKY, Winnipeg, Can. (384.4m-780kc), 11 p. m., Capitol theater revue.
KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., dinner concert; 8:30-10:30, musical program.
KFH, Wichita, Kan. (268m-1120kc), 7:10 p. m., Gage Brewer's Hawaiians.
KFNF, Shenandoah, Ia. (461.3m-650kc), 7 p. m., Lester Smith's Harmony orchestra.
KFUO, St. Louis, Mo. (545.1m-550kc), 9 p. m., musical program.
KMA, Shenandoah, Ia. (461.3m-650kc), 9-11 p. m., two piano recital, Corey and Carl.
KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., Jacquinot Jules, organist; 7, KMOX Radio orchestra; 9, Etherlogue; 9:30, orchestra; 10, orchestra, soloists, "The Merry Widow."
KPRC, Houston, Tex. (296.9m-1010kc), 7:30 p. m., Eddie's Syncopators dance orchestra; 8:30-10, Skyline studio concert.
KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10-10 p. m., classic hour concert; 10-10:30, dance concert, Ray Mullens Como Roof Garden orchestra.
KVOO, Bristow, Okla. (374.8m-800kc), 6-9 p. m., Mrs. J. C. Weaver, "Oklahoma's sweetheart of the air" associate artists of Wagoner, Okla.
KWCR, Cedar Rapids, Iowa (278m-1080kc), 4:15 p. m., musical hour and fashion talk by Denecke stores; 9, studio program.
KWWG, Brownsville, Texas (277.6m-1080kc), 8:30-8:40 p. m., Annie Tucker, soprano; 8:40-9, Alfredo Laurents, violinist; Mrs. C. Davenport, contralto; 9-9:30, E. Toothman, baritone; George Desha, Hawaiian songs with uke; 9:30-9:45, dialogue, John Fanning, Lewis Pendergraft; 12:01-1 a. m., novelty and jazz.
WAMD, Minneapolis, Minn. (243.8m-1230kc), 7:15 p. m., classical hour, J. Blickfeldt, baritone; piano duets, Etta Landry and Mrs. F. Jellup; Ella Pendleton, soprano; 9, Gayle Wood, pianist; 10, Skyrocket frolic; Golden Gate orchestra, G. Ashton, harmonica and Bee Bee, singing canary.
WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6:15 p. m., dinner concert, St. Paul hotel concert orchestra; Margery Brown Copeland, soprano, Anna Davis Bjerke, accompanist; 7:30, Radio Scouts' hour, 8, WEAF; 9, musical program, Scandinavian ensemble.
WCOA, Pensacola, Fla. (222m-1350kc), 7 p. m., 13th Coast Artillery band; Silva's Jazzomaniacs; First Baptist church choir.
WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., School of the Air; 8-9, WEAF; 11:45-1 a. m., Nighthawk frolic; Charlie Straight's Brunswick recording; Ted Meyn, organist; Earl Coleman's orchestra; Johnnie Campbell's orchestra.
WFAA, Dallas, Tex. (475.9m-630kc), 6:30-7:30 p. m., Troy Floyd and his Ozark orchestra; 8:30-9:30, Sears-Roebuck Agricultural Foundation program.
WHA, Madison, Wis. (535.4m-560kc), 8 p. m., musical program, University School of music.
WHAD, Milwaukee, Wis. (275m-1090kc), 6:10 p. m., Arthur Richter, organist, 8:30, Waldemar Schueler, pianist; Cliff Borchart, baritone; Vent Callahan, harmonica soloist.
WHB, Kansas City, Mo. (365.6m-820kc), 7-8 p. m., Sweeney Radio orchestra.
WHO, Des Moines, Ia. (526m-570kc), 7:30-8 p. m., Philbreck and his Younker tea-room orchestra; 8-9, Bankers Life trio, soloists.
WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Pappalardo Brothers orchestra.
WOAI, San Antonio, Tex. (394.5m-760kc), 4:30 p. m., Straus-Frank Pianologue program; 8:30, Sunshine Laundry orchestra.
WOAW, Omaha, Nebr. (520m-570kc), 6:50 p. m., orchestra; 9, classical.
WOI, Ames, Ia. (270.1m-1110kc), 7:45 p. m., band concert, Iowa Training School for Boys' band.
WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., Andrew Jackson hotel trio; 8, Frank School of music, piano recital; 10, Vito and his Radio Seven.
WSOE, Milwaukee, Wis. (245.8m-1220kc), 9 p. m., "Candygram" frolic.
WSUI, Iowa City, Ia. (483.6m-620kc), 8 p. m., general program.

Mountain Standard Time Stations

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., dinner concert, Brown Palace string orchestra; 8, instrumental program, Schoeneman's Colorado orchestra; 8:15, special program, commemorating Colorado's semicentennial anniversary.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Owen Fallon's Californians, 8-9, popular program; 9-10, program, Walter M. Murphy Motors company, KPO; 10-11, program, Meiklejohn Brothers.
KFWB, Hollywood, Calif. (252m-1190kc), 7:30-8 p. m., program, Dr. Ralph Mitchell and Associated Dentists; 8-9, program, Sealy Mattress company; 9-10, program, American Dye Works, Inc.; 10-11, Warner Brothers frolic.
KGO, Oakland, Cal. (361.2m-830kc), 6-6:55 p. m., Bem's Little symphony orchestra.
KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-9, organ recital; 9-10, vaudeville entertainment, Steigerwald Milk Maids, Punch and Judy; 10-12 midnight, Cole McElroy's dance orchestra.
KJR, Seattle, Wash. (384.4m-780kc), 8:30-10 p. m., Post Intelligencer studio program.
KLX, Oakland, Cal. (508.2m-590kc), 8-9 p. m., Community night program; 9-10, Meeting of Protective Order of Lake Merritt Ducks.
KPO, San Francisco, Cal. (428.3m-700kc), 6:30-7 p. m., States Restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel orchestra; 8-9, studio program; 9-10, KFI program; 10-11, Mandarin Cafe orchestra.

FARMERS' PROGRAM INDEX

Farmer Dinner Concerts

Daily Except Sunday
CENTRAL TIME
KFNF, 12:15-1:35 p. m.
KMA, 11:30-12:30
KSO, 12:30-1:30 p. m.

Sunday
Atlantic Eastern Central Mountain Pacific
4:30 p. m. 3:30 2:30 1:30 12:30
WFAA (475.9m-630kc), Sunday hour for farmers.

Monday
Atlantic Eastern Central Mountain Pacific
12 m. 11 10 9 8
KMMJ (228.9m-1310kc), Poultry talks
2:30 p. m. 1:30 12:30 11:30 10:30
KMA (461.3m-650kc), Farm talk, Agricultural aid.
WMAQ (447.5m-670kc), Prairie Farmer farm talks.
2:45 1:45 12:45 11:45 10:45
WOI (270.1m-1110kc), Questions and answers on Horticulture.
8:15 7:15 6:15 5:15 4:15
WGY (379.5m-790kc), Agricultural program.
8:45 7:45 6:45 5:45 4:45
WSM (282.8m-1060kc), Poultry talks.
9 8 7 6 5
WOS (440.9m-680kc), Livestock questions and answers
9:30 8:30 7:30 6:30 5:30
WMC (499.7m-600kc), Farm talk.
WOI (270m-1110kc), Aug. 2, "Conditions of the American Farm Home."
10 9 8 7 6
KFNF (461.3m-650kc), Poultry talk
10:30 9:30 8:30 7:30 6:30
WFAA (475.9m-630kc), Sears-Roebuck program.
12:05a.m. 11:05 10:05 9:05 8:05
KGO (361.2m-830kc), Agricultural Outlook.

Tuesday
Atlantic Eastern Central Mountain Pacific
12 m. 11 10 9 8
KMMJ (228.9m-1310kc), Poultry talks
2:15 1:15 12:15 11:15 10:15
WCCO (416.4m-720kc), Farm program.
2:30 1:30 12:30 11:30 10:30
KMA (461.3m-650kc), Agricultural aid.
WMAQ (447.5m-670kc), Prairie Farmer farm talks
2:45 1:45 12:45 11:45 10:45
WOI (270m-1110kc), "Animal Husbandry."
9:33 8:33 7:33 6:33 5:33
KYW (535.4m-560kc), American Farm Bureau Federation
10:30 9:30 8:30 7:30 6:30
KOA (322.4m-930kc), Farm question box.

Wednesday
Atlantic Eastern Central Mountain Pacific
1:45p.m. 12:45 11:45 10:45 9:45
WMAQ (447.5m-670kc), Prairie Farmer farm talks
2:30 1:30 12:30 11:30 10:30
KMA (461.3m-650kc), Agricultural aid.
WFAA (475.9m-630kc), Sears-Roebuck Agricultural program.
2:45 1:45 12:45 11:45 10:45
WOI (270.1m-1110kc), Poultry husbandry.
9 8 7 6 5
WOS (440.9m-680kc), Evening market hour, poultry questions and answers.

Thursday
Atlantic Eastern Central Mountain Pacific
2:15p.m. 1:15 12:15 11:15 10:15
WOI (270m-1110kc), Farm crops
2:30 1:30 12:30 11:30 10:30
KMA (461.3m-650kc), Agricultural aid.
WMAQ (447.5m-670kc), Prairie Farmer farm talks
9:30 8:30 7:30 6:30 5:30
WOI (270m-1110kc), Talk
9:33 8:33 7:33 6:33 5:33
KYW (535.4m-560kc), American Farm bureau
10:30 9:30 8:30 7:30 6:30
KOA (322.4m-930kc), Farm question box.

Friday
Atlantic Eastern Central Mountain Pacific
2:15p.m. 1:15 12:15 11:15a.m. 10:15
WCCO (416.4m-720kc), Farmers' program.
2:30 1:30 12:30 11:30 10:30
KMA (461.3m-650kc), Agricultural aid
WMAQ (447.5m-670kc), Prairie Farmer farm talks
2:45 1:45 12:45 11:45 10:45
WOI (270m-1110kc), Agricultural Economics.
9 8 7 6 5
WOS (440.9m-680kc), Evening Market hour, Dairy questions and answers
9:30 8:30 7:30 6:30 5:30
WOC (483.6m-620kc), Question box.

Saturday
Atlantic Eastern Central Mountain Pacific
2 p. m. 1 12 n. 11 10
KPRC (296.9m-1010kc), Farmers' educational and musical program
2:15 1:15 12:15 11:15 10:15
KSO (241.8m-1240kc), Farm talk
2:30 1:30 12:30 11:30 10:30
KMA (461.3m-650kc), Agricultural aid.
2:45 1:45 12:45 11:45 10:45
WOI (270m-1110kc), Soils, questions and answers.
9 8 7 6 5
KDKA (309.1m-970kc), Farm program.

Tuesday, August 3

Headliners Today

Atlantic Eastern Central Mountain Pacific
8:30 7:30 6:30 5:30 4:30
WBAL (245.8m-1220kc), Mandolin orchestra
9 8 7 6 5
WBZ (333.1m-900kc), Idyllic quartet.
10 p. m. 9 8 7 6
WCBD (344.6m-870kc), Mandolin and guitar club.
WHB (365.6m-820kc), Crooning Clowns.
11 10 9 8 7
KMOX (280.2m-1070kc), "By the Banks o' Bonny Doon"
12 m. 11 10 9 8
KGO (361.2m-830kc), Eveready program.
1 a.m. 12 11 10 9
KGO (361.2m-830kc), Pilgrims' program.

Tuesday, silent night for: CFCA, CKNC, CNRC, CNRE, CNRM, CNRO, CNRT, CNRW, KFH, KFKX, KFUO, KOA, KOB, KTAB, KWWG, WAHG, WAMD, WBBR, WCAP, WGCP, WHAZ, WOR, WOS, WRVA, WSMB, WSUI, WTAM, WTIC.

Atlantic or Eastern Daylight Saving Time Stations

WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner music; 8:30, WEAF. WEAF, New York, N. Y. (491.5m-610kc), 4 p. m., Mme Marie Hulsman, soprano and Helen Hulsman, pianist; 5, tea music; 6, dinner music, 7, Elaine Horton, contralto; 7:30, Grant Kimball, tenor, 8, Salon concert, WEEI, WFI, WCAE, WWJ, WGR, WTAM; 8:30, The Gold Dust Twins, WEEI, WFI, WCAE, WGR, WWJ, WOC, WCSH, WJAR, WCCO, WTIB, WTAM, KSD; 9, Eveready hour, WEEI, WFI, WCAE, WGR, WWJ, WOC, KSD, WJAR, WCCO, WTAG, WGN, WTAM, WSAI; 10, Carlotta Burke and Lore Miller Burke, pianist, WEEI, WGR, WTAG, WCAE, WFI, WWJ, KSD, WTAM, WCSH; 10:30, Jack Albin and his orchestra from Hotel Bossert, WFEI, WGR, WTAG, WCAE, WFI, WWJ, KSD, WTAM, WCSH; 11:30-12, Frank Farrell and his Greenwich Village Inn orchestra.
WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30 p. m., Snellenburg Instrumental trio; 8, theater digest; 8:10, The Three Brothers; 8:25, Peter Rice, baritone; 8:45, Higgins and Burke, songs; 9, Kuehnle's artists; 9:40, Eddie Malle's entertainers; 10, Cathay orchestra.
WEBJ, New York, N. Y. (272.6m-1100kc), 7 p. m., Original Blue and White Serenaders; 7:30, Luna's Knickerbocker Grill orchestra, 8:10, Isabel Henderson; 8:20, Jack Gall, concert pianist; 8:30, Luna's Marine band.
WEEI, Boston, Mass. (348.6m-860kc), 6 p. m., Keith's Radio review; 6:20, popular songs, George Joy, Nell Cantor, 7:45, musicale, 8, WEAF; 10:30, Jack Albin's Hotel Bossert orchestra.
WFI, Philadelphia, Pa. (394.5m-760kc), 3 p. m., recital, Caroline Hoffman, pianist; 6:45, Adelphia Roof Garden orchestra; 8, WEAF; 8:30, WEAF; 9, WEAF; 10, moments musicale; 10:30, Jack Albin and orchestra.
WGBS, New York, N. Y. (315.6m-950kc), 6 p. m., Uncle Geebee; 6:30, Joseph Zucci, musical saw; 7, Arrowhead Inn concert orchestra, 8, play, auspices Episcopal Actor's guild, 8:30, Daca, Cowboy Composer, 9:30, Robertina Robertson, contralto; 9:45, Bernard Cohen, concert pianist; 10:15, Jas. E. Hudson, tenor, 10:30, Arrowhead Inn dance orchestra.
WHAR, Atlantic City, N. J. (275.1m-1090kc), 8 p. m., Seaside hotel trio.
WHN, New York, N. Y. (361.2m-830kc), 7:30 p. m., Will Oakland's Chateau; 8, Treasureland Home Owners ensemble; 9:30, Loew's 83rd St. theater orchestra, 10:30, Strand Roof orchestra; 11:30, Eddie Elkin's Playground orchestra; 12 m., Charm club orchestra.
WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 7, Uncle Wip's bedtime stories; 8, Steeplechase Pier dance orchestra; 8:30, Steel Pier minstrels, 9, Chalfonte-Haddon Hall dual trio; 10, Emo's weekly movie broadcast; 10:20, Cummins' Kentuckians dance orchestra; 11, Silver Slipper Supper club dance orchestra; 11:30, Seattle Harmony Kings dance orchestra.
WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Frank Dole, 7:20, Harold Leonard's Waldorf-Astoria Roof orchestra; 8:30, Deltah Pearl hour, WGY, WRC; 9, Pennsylvania Railroad hour, WRC, WGY; 10, Cook's Southern Hemisphere cruise, WRC, WGY; 10:45 p. m., George Olsen's Hotel Pennsylvania Roof orchestra.
WLIT, Philadelphia, Pa. (394.5m-760kc), 7:30 p. m., El Patio orchestra.
WLWL, New York, N. Y. (288.3m-1040kc), 9:15 p. m., Alec Compinsky, cellist; 9:30, Premier male quartet.
WMCA, New York, N. Y. (340.7m-880kc), 9 p. m., Beau Rivage orchestra; 9:30, Columbia Park entertainers, 10:30, Hotel Shelburne orchestra; 11, Ernie Golden and his Hotel McAlpin orchestra; 12 m., McAlpin entertainers.

WHB ANNOUNCES CROONING CLOWNS

From operas to blues and back again the Devon Comedy Four, above, can always be depended upon to surprise the listeners with a new idea. This popular quartet is an exclusive WBBM feature and may be heard from this station Tuesdays and Thursdays. To the left is Clementine Malek, staff soprano of WHAD.

Tuesday, August 3

WNYC, New York, N. Y. (526m-570kc), 7:10 p. m., piano selections.
WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Sylvania dance orchestra.
WOR, Newark, N. J. (405.2m-740kc), 6:45 p. m., Hotel Bretton Hall string quartet.
WTAG, Worcester, Mass. (545.1m-550kc), 6:30-7:30 p. m., Black and White Inn orchestra; 9-10:30, WEAF.

Eastern Standard or Central Daylight Saving Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 5:30 p. m., Pittsburgh Athletic Association orchestra; 8, male quartet, Will Rhodes, tenor, Vincent Kroen, tenor; Max Kroen, baritone; Raymond Griffith, bass; 10:35, Grand theater.
KYW, Chicago, Ill. (535.4m-560kc), 7 p. m., music hour, Evening American; 8, American Farm bureau federation; 9-10:30, classical concert; 10:30-12, Congress Carnival, Art Linick, Eddie and Fannie Cavanaugh.
WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., dinner orchestra; 7:30-8, Mandolin orchestra; 8-9, staff concert; Katherine Whitelock, violinist; George Bolek, pianist; Conner Turner, baritone; 9-10, City Park orchestra.
WBZ, Springfield, Mass. (333.1m-900kc), 6:33, Copley Plaza orchestra; 8, Idyllic male quartet; 8:30, Copley Plaza dance orchestra; 9, Aurelia Cormier, lyric soprano; Alberta Kelleher, violinist; G. Allen Campbell, baritone; 9:45, George Nicholson, banjo mandolin; Anthony R. Valentine, banjo guitar.
WCBD, Zion, Ill. (344.6m-870kc), 9 p. m., Zion Junior choir; Mandolin and guitar club; celestial bells; S. Inman, soprano; Mrs. Glenn Sparrow, contralto; Glenn Sparrow, tenor; Daniel Masson, trombonist; Sparrow twins, songs; Mrs. Ruth Beem-DeFew, reader; Mrs. Eula Myhre-Otterbacher, pianist.
WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., Goldkette ensemble; 8-10, Detroit symphony orchestra; 10, Red Apple club.
WEBH, Chicago, Ill. (370.2m-810kc), 7-8 p. m., Edgewater Beach hotel orchestra; 9:10-10, Uptown theater; 11-12:30, frolic.
WGHB, Clearwater, Fla. (265.3m-1130kc), 7-8:30 p. m., Capitol theater orchestra.
WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert; 8:30-9:30, Dodge Brothers' concert band; 9:30-10, studio program.
WGN, Chicago, Ill. (302.8m-990kc), 6:15-6:45 p. m., Uncle Walt's Punch and Judy; 6:45-7, Drake concert ensemble, Blackstone string quintet; 8-9, WEAF; 9-10, Great moments from grand opera; 11, studio musicale.
WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., talk on Steinmetz; 7:30-9:30, WJZ.
WHT, Chicago, Ill. (399.8m-750kc), 7-8:30 p. m., Al Carney, organist; Dorothy Moline, pianist; Elmer Kaisers Riverview Melody Masters; 8:45-10:15 (238m-1260kc), Helen Raub, organist; poems, Stuart Dawson; Riverview orchestra; Grance Manchester, soprano; Peter Grosso, tenor; Jems and Mangerich; Riverview orchestra; 10:30-1 (399.8m-750kc), Bel Canto male quartet; Ann Slock, cellist; Riverview orchestra; popular songs, Isabelle Simpson.
WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., concert; vocal, string ensemble; 12-2 a. m., jamboree; Oriole orchestra; Walter Preston, Ted Fiorito, Dan Russo, Mark Fisher.
WJAZ, Chicago, Ill. (329.5m-910kc), 9-12 mid., The quips that pass in the night; Francis Rosemary Scheib, soprano; William Hayden, tenor; Henrietta Nolam, violinist.
WJJD, Mooseheart, Ill. (370.2m-810kc), 4:45-7 p. m., Dinner concert; Howard L. Peterson, organist; Palmer House Symphony players; Palmer House Victorians; 7-9, Mooseheart studio, Music by children of all ages; solos, bands, etc.; 9-11, Palmer House Victorians; Clarence Harper; 11:30-12:30, Settin' Up Hour.
WJR, Detroit-Pontiac, Mich. (516.9m-580kc), 7 p. m., Glover Watson old time dance orchestra; 8, Detroit symphony.
WLIB, Chicago, Ill. (302.8m-990kc), 7 p. m., Million sing; 7:05, Old Fashioned Almanack; 7:15, Drake concert ensemble; 7:30, WEAF; 11-1, Ambrose Larsen, organist; Bobby Meeker's Drake hotel dance orchestra.
WLS, Chicago, Ill. (344.6m-870kc), 6:30 p. m., Al. Melgard, organist; 6:30, College Inn orchestra; 7:20, Prof. E. Frazier, reader; 7:30, Ralph Emerson, organist; 8, Chicago Daily Journal surprise time; 8:10, College Inn orchestra; 8:30, Taylor concert Four.
WLW, Cincinnati, Ohio (422.3m-710kc), 6:30 p. m., Mrs. Imogene Bennett; 7:10, Piano Memories, Adelaide Apfel; 7:30, Castle Farm dinner music; 8:15, Crosley Burnt Corkers; 9, Formica Symphony orchestra.
WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Jack Chapman's orchestra; 9, Lillian Pringle, violincello; 9:30, Jack Chapman's orchestra; 9:45, Burpan Homes.
WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon ensemble; Genevieve Burnham, operatic program; 9-11, Trianon orchestra; Woodlawn theater orchestra; ensemble; Mable Bagley, contralto; Sandy McTavish, Scotch comedian, Bob Bennett.
WOK, Chicago, Ill. (217.3m-1380kc), 6-8 p. m., Tip Top Inn string ensemble concert; 8-12, dance orchestra, Capitol theater program; studio program.
WOOD, Grand Rapids, Mich. (241.8m-1240kc), 8 p. m., Ye Olde Tyme Songe Feste," Roy Clark, Sally Simpkins, Jim Forshey, Mae Gamble and artists; instrumental quartet; 9:45, piano recital, Melissa Dvorak; 10:05, studio program.
WORD, Batavia, Ill. (275m-1090kc), 7 p. m., Public Service Company; 7:45, Bible questions and answers; 9, program; 11, program, Public Service Company of Northern Illinois; 11:45, Bible lecture.
WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., dinner concert, Rainbo Garden orchestra; Otis Jester, soprano; Henrietta Nolan, violinist; 10-2 a. m., Rainbo Garden orchestra; Harry Geise, songs and pianist; Johnny Poat, baritone; Bert Davis, Clown of the Air; Nubs Allen, contralto; Ray Hibbeler, tenor; Romo Vincent, baritone; special feature, First National violin quartet; O'Flanagan and O'Hara, the two Frenchmen.
WRC, Washington, D. C. (468.5m-640kc), 7 p. m., New Willard hotel orchestra; 7:30-9:30, WJZ; 9:30, WRC Players; 10:30, Meyer Davis' Le Paradis band.
WSAI, Cincinnati, O. (325.9m-520kc), 7 p. m., salon concert, WEAF; 7:30, musical program, Charles Partington, accordionist; 8, WEAF; 9, musical program.
WSWS, Chicago, Ill. (275.8m-1090kc), 8 p. m., Terrace Garden orchestra; ballads, Ilona Kincz; Walter Levis, baritone; Georgia Gray, violinist; Jean St. Ann; Eulalia Kober, pianist; 10, Terrace Garden orchestra; Matthews sisters; Joe Coffey, tenor; Hugh Aspinwall, dramatic reader; Zola Haynes, pianist; 12, Witching hour, orchestra; Henri Therrien, tenor.
WTAM, Cleveland, O. (389.4m-770kc), 6 p. m., State theater vaudeville and music; 7-10, WEAF; 10, studio program; 11, Euclid Beach Park orchestra.
WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7, WEAF.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., Little symphony orchestra; 8:05-10:30, University of Nebraska program.
KFNF, Shenandoah, Ia. (461.3m-650kc), 7 p. m., Strom's band.
KLDS, Independence, Mo. (440.9m-680kc), 8 p. m., studio program; Hazel Scott, organist; vocal, piano solos, duets.
KMA, Shenandoah, Ia. (461.3m-650kc), 9-11 p. m., May's Mandolin musicians.
KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., Jacquinot Jules, organist; 7, KMOX Radio orchestra; 8, KMOX Radio orchestra; 9, "By the Banks o' Bonny Doon," KMOX Radio orchestra; 10, KMOX Radio orchestra.
KPRC, Houston, Tex. (296.9m-1010kc), 7:30 p. m., Seger Ellis, baritone; 8:30-10, Skyline studio concert.
KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10-9:30 p. m., organ recital, Lawson Reid; 9:30-10, dance concert, New Arlington hotel orchestra.
KVOO, Bristow, Okla. (374.8m-800kc), 6-9 p. m., Jimmie Wilson and his Catfish string band.
WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6:30-8 p. m., WEAF; 8, Chicago Lake male chorus; Lillian Dahl, pianist; Carl Palmer, baritone; A. Flom, flutist.
WDAF, Kansas City, Mo. (365.6m-820kc), 11:45-1 a. m., Nighthawk frolic; Charlie Straight's Brunswick recording orchestra; Johnnie Campbell's orchestra; Earl Coleman's orchestra; Harry Frank, organist.
WFAA, Dallas, Tex. (475.9m-630kc), 6:30-7:30 p. m., Honey Boys orchestra; 8:30-9:30, Edna McDonald; 11-12, Jimmy Joy's orchestra.
WHAD, Milwaukee, Wis. (275m-1090kc), 6:10 p. m., dinner hour program; 8:30, Wisconsin theater Review.
WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., studio concert.
WHB, Kansas City, Mo. (365.6m-820kc), 7-7:30 p. m., dinner hour organ concert; 8-9, Crooning Clowns, Frank Jameson, Fred Waldner.
WHO, Des Moines, Ia. (526m-570kc), 7:30-9 p. m., Fourteenth Cavalry band.
WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Tennessee Collegians; 11, Britling's Cafeteria orchestra.
WOAI, San Antonio, Tex. (394.5m-760kc), 4:30 p. m., Straus-Frank pianologue program; 8:30, Berghardt Mexican players.
WOAW, Omaha, Nebr. (526m-570kc), 6:50 p. m., orchestra; 9, program; 10:15, movie club.
WOC, Davenport, Ia. (483.6m-620kc), 5:45-6 p. m., chimes concert; 6:30-8, WEAF; 8-9, American Legion Post program.
WSM, Nashville, Tenn. (282.8m-1060kc), 8 p. m., spirituals, Golden Echo quartet.
WSOE, Milwaukee, Wis. (245.8m-1220kc), 7 p. m., dinner concert; 9, musical features.

Mountain Standard Time Stations

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., dinner concert, Brown Palace string orchestra.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Virginia ballrom orchestra; 8-9, Screen Artists string quartet; 9-10, Reeves Boyd, flutist, 10-11, Packard Radio club.
KFWB, Hollywood, Calif. (252m-1190kc), 8-9 p. m., Program, Morris and company, realtors; 9-10 p. m., popular program; 10-11, Warner Brothers frolic.
KGO, Oakland, Cal. (361.2m-830kc), 6-6:55 p. m., Bem's Little symphony orchestra; 8-9, Eveready program; Frederick Warnke, pianist; Leonid Bolotine, violinist; James Gerard, tenor; 9-10, The Pilgrims' hour.
KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., Skagga United artists; 8-10, educational program; 10-12 midnight, Herman Kenin's dance orchestra; Curt Kramer, pianist.
KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., weekly visit of Queen Titania and the Sandman; 8-10, Stewart-Warner quartet; 10-11, L. A. Ry. dance orchestra.
KJR, Seattle, Wash. (384.4m-780kc), 8:30-10 p. m., Puget Sound Savings and Loan Association studio program.
KNX, Hollywood, Calif. (336.9m-890kc), 7-7:45 p. m., John A. Vaughn corp. program; 8-9, program, Builders' Finance ass'n; 9-10, program, Western Auto Supply company; 10-11, Edgewater club; 11-1 a. m., Ambassador hotel dance orchestra.
KPO, San Francisco, Cal. (428.3m-700kc), 6:30-7 p. m., States Restaurant orchestra; 7-7:30, Fairmont hotel orchestra; 8-9, studio program; 9-10, studio program; 10-11, dance orchestra.
KPSN, Pasadena, Calif. (315.6m-950kc), 8-9 p. m., Star-News concert hour, ensemble; George Frenger, tenor.

Wednesday, August 4

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
	7	6	5	4	3

WSAI (325.9m-520kc), Atkinson Rupp quartet.

8:30	7:30	6:30	5:30	4:30

WEBJ (272.6m-1100kc), Harmonica Fred.

8	7	6	5	

KDKA (309.1m-970kc), "A Night With the Campers," Symphony players.
WBZ (333.1m-900kc), The Barnstormers.
WTIC (475.9m-630kc), Travelers Jongleurs.

9:30	8:30	7:30	6:30	5:30

WGHB (265.3m-1130kc), Caroline Lee and her guitar.
WHAS (399.8m-750kc), Hulette's Blue Devils.

9:45	8:45	7:45	6:45	5:45

WOR (405.2m-740kc), Special features.

10	9	8	7	6

WMAQ (447.5m-670kc), WMAQ players.

11:15	10:15	9:15	9:15	7:15

KOA (322.4m-930kc), Special program.

12	11	10	9	8

WAMD (243.8m-1230kc), Gould Banjo club.

Wednesday, silent night for: CKCA, CKNC, CNRA, CNRC, CNRE, CNRM, CNRR, CNRT, CNRV, KFXF, KGO, KLDS, KMMJ, KOIL, KPSN, KTAB, KWWG, WABQ, WBAL, WBAP, WBBR, WCBD, WFAA, WGBF, WGBS, WGCP, WHAR, WHAZ, WIP, WJAZ, WMC, WOAI, WOAW, WPG, WRC, WRR, WSUI.

Atlantic or Eastern Daylight Saving Time Stations

WAHC, New York, N. Y. (315.6m-950kc), 7:45 p. m., Hildegaard Schissel, German soprano; 8, Lillian Schneider, soprano; Philip A. Fey, tenor; William Sweeney, baritone; Elspeth Brownell, pianist; 9, Barcarolle ensemble; 9:30, Montclair Harmony Four; 10, Good Humor Boys; 10:30, dance music.
WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert; 8, WEAF; 8:30, WEAF; 9, dance music; 10, WEAF.
WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30 p. m., Snellenburg recital; 8, Hotel Pennsylvania orchestra; 8:30, Miller piano period; 9, Lipschutz and Mazer, songs; 9:30, Charles Borelli, songs; 9:45, Senator Hassenpfeffer, 9:50, Maurice Patton, tenor; 10, recital; 10:30, Zoehrns and Herscher, songs; 10:45, Frank Cook, old-time songs; 11, song recital.
WEAF, New York, N. Y. (491.5m-610kc), 11 a. m.-1:15 p. m., Musical program by Rolfe's Palais D'Or orchestra; 4-12, Musical program, tea music, dinner music from Hotel Waldorf-Astoria; concert by United States Army Band; Davis' Saxophone octette; Ipana Troubadours; South Sea Islanders; Lily of Killarney by WEAF Light Opera company; Pelham Heath Inn orchestra.
WEBJ, New York, N. Y. (272.6m-1100kc), 8 p. m., Leon H. Fox, violinist; 8:30, Harmonica Fred; 8:45, Jerry Alexander, entertainer; 9, G. Levey, J. M. Bollo, uke duets; 9:15, Kabatnick's dance orchestra.
WEEI, Boston, Mass. (348.6m-860kc), 6 p. m., Keith's theater; 7, Big Brother club; 7:30, WEAF.
WFI, Philadelphia, Pa. (394.5m-760kc), 6:45 p. m., Adelphia Roof Garden orchestra.
WHN, New York, N. Y. (361.2m-830kc), 7:30 p. m., Loew's Lexington organ recital; 9:10, Loew's New York theater orchestra; 9:30, Loew's 7th Ave. theater concert; 10, Roseland dance orchestra; 10:30, Chas. Strickland's Palisades Amusement Park orchestra; 11:30, Silver Slipper orchestra.
WIP, Philadelphia, Pa., (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 7, Uncle Wip's bedtime stories.
WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Hotel Madison concert orchestra; 8, Imperial Imps; 8:30 p. m., Stadium Philharmonic concert; 10:30, Hotel Astor roof orchestra.
WLIT, Philadelphia, Pa. (394.5m-760kc), 7:30 p. m., Dream Daddy's bedtime stories; 8, recital; 10, Arcadia cafe dance orchestra.
WLWL, New York, N. Y. (288.3m-1040kc), 9:30 p. m., popular program.
WMAK, Buffalo, N. Y. (265.3m-1130kc), 7:30-8:15 p. m., Eastman theater musical program; 8:15-9, musical; 9-10, musical program.
WMCA, New York, N. Y. (340.7m-880kc), 6:30 p. m., Ernie Golden and his Hotel McAlpin orchestra; 7:15, Ernie Golden and his Hotel McAlpin orchestra; 7:30, Tappen's orchestra; 11, Jack Denny's orchestra; 11:30, Club Brighton orchestra; 12 m., McAlpin entertainers.
WNYC, New York, N. Y. (526m-570kc), 6:10 p. m., piano selections.
WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Sylvania dinner dance orchestra; 8, WEAF; 9:30, South Sea Islanders; 10, Fox theater concert; 10:30, Sam Brown's Devon Park hotel orchestra.
WOR, Newark, N. J. (405.2m-740kc), 6:15 p. m., Jacques Jacobs' Hotel Shelton ensemble; 7, Jacques Jacobs' Hotel Shelton ensemble; 8, French Line program; 9, Arthur Pryor's band; 9:45, Monterey Society orchestra; 10:30, special features; 11:15, Ben Bernie and his Berkeley Carteret orchestra.
WTAG, Worcester, Mass. (545.1m-550kc), 7:30-9 p. m., WEAF; 9, program; 9:30, WEAF.

Eastern Standard or Central Daylight Saving Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 5:30 p. m., Flotilla club; 7, Hermes-Grove playtime; 8, "A Night with the Campers," Symphony players.
KYW, Chicago, Ill. (535.4m-560kc), 7 p. m., music hour; 9-10:30, classical program, Commonwealth Edison; 10:30-12, Congress Carnival.
PWX, Havana, Cuba (400m-750kc), 8-10 p. m., Military band music.
WBZ, Springfield, Mass. (333.1m-900kc), 6 p. m., Three musical mirth makers from Bert Dolan's Recording orchestra; 8, The Barnstormers; 8:30, Max L Krulee and his Hotel Westminster orchestra; 9, Oscar Gaudette, tenor; 9:15, John W. Wood, cornetist; 9:30, Songs, guitar, uke, Ralph Hanna, Jr.; 9:45, Harry Cummings, harmonica.
WCAP, Washington, D. C. (468.5m-640kc), 6:30-7:30 p. m., U. S. Army band; 7:30-8, WEAF; 8-8:30, WEAF; 8:30-9, studio program; 9-10, WEAF; 10-12, Spanish Village band.
WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., Goldkette ensemble; 8-10, Detroit symphony orchestra.
WEBH, Chicago, Ill. (370.2m-810kc), 7-8 p. m., dinner concert; 9:15-10, orchestra; popular artists; 11-12:30, frolic.
WGHB, Clearwater, Fla. (265.3m-1130kc), 8:30-10 p. m., Caroline Lee, "The Virginia Girl," and her Spanish guitar; Mr. and Mrs. Charlie Waller in old-time songs, duets; Mrs. George Kelly, concert pianist.
WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert; 8:30-9, Campers' half hour; 9-10, ensemble, soloists.
WGN, Chicago, Ill. (302.8m-990kc), 6:15 p. m., Punch and Judy; 6:45-7, Drake Concert ensemble, Blackstone string quintet; 8:30-8:45, musicale; 8:45-10, Arabian Night's entertainment; 10, feature; 10:10, Music Box; 10:20, studio program; 10:30-12:30, Pepper Party.
WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., Eastman theater orchestra; 7:30, WJZ.
WHT, Chicago, Ill. (399.8m-750kc), 7-7:30 p. m., Al Carney, organist; Grace Hansen, violinist; Mildred Hansen, pianist; Riverview Radio Melody Masters; 8:45-10:15 (238m-1260kc), Helen Raub, organist; Riverview orchestra; Jane Andrews, reader; Ruth Schneider, blues singer; 10:30-1 (399.8m-750kc), Al Carney, organist; Riverview orchestra; popular songs, Marie Wright.
WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., evening concert; T. Huening, contralto; Mae Swanson, soprano; string ensemble; 10-12, popular program; Oriole orchestra.
WJAZ, Chicago, Ill. (329.5m-910kc), 9-11 p. m., musical program; 11, program, Commander Donald B. McMillan.
WJJD, Mooseheart, Ill. (370.2m-810kc), 4:45-7 p. m., Dinner concert, Howard L. Peterson, organist, Palmer House Symphony players, Palmer House Victorians; 7-9, Music by children of all ages; bands, solos, etc.; 9-11, Palmer House Victorians, Isabel Defaut, John Norton; 11:30-12:30, Settin' Up Hour.
WJR, Detroit-Pontiac, Mich. (516.9m-580kc), 7 p. m., Goldkette's Petite symphony orchestra, soloists; 7:45, Good Will Oakland, Chief Pontiac; 8, Detroit symphony orchestra; 11, Murphy Brothers, organist, tenor, baritone; 12, Merry Old Chief, Jewett Jesters.
WLIB, Chicago, Ill. (302.8m-990kc), 7:15 p. m., Drake concert ensemble, Blackstone string quintet; 7:30-7:50, Pattison Coates, baritone; Edward Barry, pianist; 7:50, Auld Sandy; 8-8:30, Ipana Troubadours; 12:30-1, Ambrose Larsen, organist.
WLS, Chicago, Ill. (344.6m-870kc), 6:30 p. m., Al. Melgard, organist; 6:45, College Inn orchestra; 7, Elsie and Ralph; 7:20, Rose Sherman, violinist; Marie Ludwig, harpist; 7:30, Ralph Emerson, organist; 8:10, College Inn orchestra; 8:30, band concert Columbus park; 9, music by women composers, WLS trio; 9:30, band; 9:45, Midwest quartet; 10, popular music.
WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., Robert Visconti's orchestra; 7:40, Gibson concert; 10, Cincinnati Post programs; 11, Page's Royal Elk syncopators.
WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Jack Chapman's orchestra; 8:30, Whitney trio; 9, WMAQ players.
WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon duo, Eleanor Kaplan, Monte Blunn, Pauline Sachs, Preston Graves, concert program; 9-11, Trianon orchestra; popular program.
WOK, Chicago, Ill. (217.3m-1380kc), 6-8 p. m., Tip Top Inn string ensemble concert; 8-12, dance orchestra, Capitol theater program; studio program.
WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9 p. m., Willard Battery hour; 16 Fingered Paul, Helen Neuman, popular artists; Ramona Gardens orchestra; instrumental quartet; 10:05, popular program; Paul Estabrook and studio artists.
WORD, Batavia, Ill. (275m-1090kc), 7 p. m., North Short line; 9, I. B. S. A. choral singers; 9:15, Bible lecture, Calvin H. Swingle.
WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., dinner concert, Rainbo Garden's orchestra; James Murray, baritone; Sheppard Levine, tenor; Henry Weise, violinist; Sibyle Nichols, pianist; 10-2 a. m., Rainbo Garden's orchestra; First National violin quartet; Joe Warner, character songs; Joe Verges, pianist; Flo and Ray, Harmony duo; artists.
WRVA, Richmond, Va. (256.3m-1170kc), 8:45 p. m., poems and songs; 9:10, Ye Old Tyme Music; 9:30, favorite hymns; 10, organ recital; 11:30, Carry Me Back to Old Virginny.
WSAI, Cincinnati, O. (325.9m-520kc), 6 p. m., Atkinson Rupp quartet; 6:45, chime concert, Robert Badgley; 7-8:30, WEAF; 8:30-9, musical program; 11:15, Congress Playing Card string quartet.
WSWS, Chicago, Ill. (275.8m-1090kc), 8 p. m., Terrace Garden orchestra; Peter Grosso, tenor; John A McFarland; Georgia Gray, violinist; Clinton Keithley, songs; 10, Terrace Garden orchestra; Paul Davis, ballads; Zola Haynes, pianist; Jack Goodwin, popular songs; Art Becker, medleys; 12, Witching hour; Gus Edwards' orchestra; Henri Therrien, tenor.
WTAM, Cleveland, O. (389.4m-770kc), 7:30 p. m., WEAF; 8, Public Auditorium program; 11, Collegian Serenaders.
WTIC, Hartford, Conn. (475.9m-630kc), 7:30 p. m., Bill Jones' Capitol theater orchestra; 8, Travelers Jongleurs and "Unknown Troubadour"; 9, Carroll's Palais Royal dance orchestra.
WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7, WEAF; 7:30, News orchestra; 8, dance program, WEAF; 9, News orchestra.

Central Standard Time Stations

CKY, Winnipeg, Can. (384.4m-780kc), 9 p. m., Canadian National Railways' program, CNRW.
KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30, dinner concert; 8:30-10:30, variety program, Leo Beck's orchestra.
KFH, Wichita, Kan. (268m-1120kc), 7 p. m., saxophone octet; Merle Barnes, xylophonist; 7:30, Jimmie White and Howard Fordham, singing Serenaders.
KFNF, Shenandoah, Ia. (461.3m-650kc), 7 p. m., concert, Henry Field Seed company.
KFUO, St. Louis, Mo. (545.1m-550kc), 9:15 p. m., musical program.
KMA, Shenandoah, Ia. (461.3m-650kc), 9-11 p. m., mixed talent.
KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., Jacquinot Jules, organist; 7, KMOX Radio orchestra; 8:30, orchestra; 9, song cycle, "Spain," Mrs. Margaret Chapman Byers, Walter Newman; 9:30-11:30, "On the Banks of the Danube," Feldman, Redden, banjoists; dance music.
KPRC, Houston, Tex. (296.9m-1010kc), 7:30 p. m., studio concert; 9:15, First Methodist church quartet; Mrs. Dan P. Vickers, soprano; Mrs. E. J. Flake, contralto; Henry Juenger, tenor; Paul Watts, bass; Mrs. E. G. Rountree, accompanist.

SINGING CHAUFFEUR FROM WTIC

Wednesday, August 4

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10-10 p. m., violin solos, Lon Chassy; ballads, Clyde Foley, tenor; classical music, Meyer Davis orchestra.
KVOO, Bristow, Okla. (374.8m-800kc), Radio trio, Mascho, Cunningham and Mascho, featuring little Jack Mascho, the youngest radio entertainer in the world.
KWCR, Cedar Rapids, Ia. (278m-1080kc), 4:15 p. m., musical hour and fashion talk by Denecke stores; 9, studio program.
WAMD, Minneapolis, Minn. (243.8m-1230kc), 7:15 p. m., classical hour; James Harper, violinist; Emily Jones, mezzo-soprano; Grace Heising, pianist; 10, Skyrocket frolic, Gould banjo club.
WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 7 p. m., WEAF; 7:30, Radio Scouts' hour; 8, midweek church service; 9, Bellson Brothers quartet; Lucy Samels, mezzo-soprano; Gertrude Stewart, soprano; Lucille Murphy, accompanist.
WDAF, Kansas City, Mo. (365.6m-820kc), 8-9 p. m., popular musical program, Earl Coleman's Hotel Ambassador orchestra; 11:45-1 a. m., Nighthawk frolic.
WHA, Madison, Wis. (535.4m-560kc), 8 p. m., musical program, University School of music.
WHAD, Milwaukee, Wis. (275m-1090kc), 6:10 p. m., Wisconsin theater organ recital, Arthur Richter; 8, Milwaukee Park Board band; 11:30, Wisconsin theater midnight organ recital.
WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., Bobby Hulette's Blue Devils.
WHB, Kansas City, Mo. (356.6m-820kc), 7-8 p. m., musical program; 10:30-11:30, midweek musicale.
WHO, Des Moines, Ia. (526m-570kc), 6-7 p. m., Bankers Life Little symphony orchestra; Myrtle Williams, soprano soloist; 7-8, Paul Christianson and orchestra; 8-9, Four Horsemen, quartet; Velma Kyes, accompanist; Kate Miller, whistler; 9-11, Philbreck and his orchestra.
WOAI, San Antonio, Tex. (394.5m-760kc), 4:30 p. m., Straus-Frank pianologue program; 8:30, Army night program from Fort Sam Houston.
WOC, Davenport, Ia. (483.6m-620kc), 5:45-6 p. m., chimes concert; 7-7:30, WEAF; 9:30-10:30, Erwin Swindell, organist.
WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., Andrew Jackson hotel trio; 8, Frances Villines, pianist; Wilhemina Rogers, pianist; 10, C. Roland Flick, violinist.
WSOE, Milwaukee, Wis. (245.8m-1220kc), 7 p. m., dinner concert.
WSUI, IOWA CITY, Ia. (483.6m-620kc), 8 p. m., musical program.

Mountain Standard Time Stations

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., dinconcert; 8, instrumental program, Scheuerman's orchestra; 8:15, Stanley hotel and Elkhorn Lodge trios; special studio program; marimba-xylophone solos; bear stories; piano and whistling solos.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-7:30 p. m., Westerland trio; 7:30-8, Nick Harris detective story; 8-9, program, California Petroleum corp.; 9-10, varied musical program; 10-11, program, arranged Charles Beauchamp, tenor.
KFWB, Hollywood, Calif. (252m-1190kc), 7:30-8 p. m., Program, Corduroy Tire stores; 8-9, program, A. V. Shotwell corp.; 9-10, Bill Hatch's orchestra; 10-11, Warner Brothers frolic.
KGO, Oakland, Cal. (361.2m-830kc), 6-6:55 p. m., Bem's Little symphony orchestra.
KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-9, Western Auto Supply company; 9-10, musical entertainment.
KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., Uncle John and the children; 8-10, pupils of Zoellner Conservatory of Music; 10-11, Jerry Grand and his orchestra.
KJR, Seattle, Wash. (384.4m-780kc), 7:30-8:30 p. m., studio program; 10-11, program.
KLX, Oakland, Calif. (508.2m-590kc), 9-10 p. m., special program.
KNX, Hollywood, Calif. (336.9m-890kc), 7-8 p. m., Chet Mittendorf's Merrymakers; 8-9, Stewart-Warner Radio dealers program; 9-10, Motor Transit Stages program; 10-11, Edgewater club, Santa Monica; 11-12, Ambassador hotel dance orchestra.
KPO, San Francisco, Cal. (428.3m-700kc), 6:30-7 p. m., States Restaurant orchestra; 7-7:30, Fairmont hotel orchestra; 8-9, Atwater Kent artists; 9-10, studio program; 10-11, States Restaurant orchestra.

Thursday, August 5

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
8	7	6	5	4
WTIC (348.6m-860kc), Jack Conlon, Singing chauffeur.				
9	8	7	6	5
KDKA (309.1m-970kc), Canadian program, Kiwanis entertainers.				
9:30	8:30	7:30	6:30	5:30
WBZ (333.1m-900kc), Hawaiian half hour.				
10	9	8	7	6
KLDS (440.9m-680kc), Old-time ballads.				
1 a.m.	12 m.	11	10	9
KGO (361.2m-830kc), Musical Bears.				
WSWS (275.8m-1090kc), Witching hour.				

Thursday, silent night for: CHIC, CKNC, CNRA, CNRE, CNRO, CNRR, CNRT, CNRV, CNRW, KFAB, KFH, KFOA, KFUO, KMOX, KOA, KOB, WAHG, WCAP, WEAO, WEBJ, WGBF, WHAD, WHAZ, WMAK, WOOD, WOR, WOS, WSM, WSUI, WTAM.

Atlantic or Eastern Daylight Saving Time Stations

CKNC, Toronto, Can. (356.9m-840kc), 8 p. m., Charles Bodley and dance orchestra; Elgar quartet.
WBBR, New York, N. Y. (272.6m-1100kc), 8 p. m., Watchtower instrumental trio; Stanley Gohlinghorst, baritone; 8:20, Bible lecture.
WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert; 8, WEAF; WEAF, New York, N. Y. (491.5m-610kc), 4 p. m., Esther Heller Cooper, soprano; 4:15, Sol Deutsch, violinist; 4:45, Flo Wagner, pianist; 5, The New Yorkers dance orchestra; 6, dinner music from Hotel Waldorf-Astoria; 7, Greater New York Federation of churches, midweek hymn sing; 7:30, Meyer Davis and his orchestra from Park Lane restaurant; 8, The Serenaders, WEEI, WGR, WCAE, WTAM, WWJ, WOC; 8:45, Bob Davis Recalls, WEEI, WFI, WCAE, WSAI, WWJ, WGR, WTAM; 9, Cliquot Club Eskimos, WEEI, WJAR, WTAG, WFI, WCAE, WSAI, WTAM, WGR, WWJ, WOC, WCCO, KSD, WGN; 10, Silvertown Cord orchestra, WEEI, WFI, WCAE, WWJ, WGR, WOC, WCCO, WTAG, KSD, WSAI, WJAR, WGN, WADC, WJSH; 11-12, Frank Farrell and his Greenwich Village Inn orchestra.
WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:30 p. m., Cathay orchestra; 7:30, Snellenburg symphony orchestra; 8, Saddler's Plantation serenaders; 8:30, Clifton's anglers; 8:45, Getz Go-Getters; 9:30, Musical Chefs; 9:45, Professor Doolittle; 10, Miriam Cohen, violinist; 10:30, Eddie Campbell's orchestra; 11, Club Cadix revue.
WEEI, Boston, Mass. (348.6m-860kc), 6 p. m., Keith's theater; 7:45, musicale; 8, WEAF.
WFI, Philadelphia, Pa. (394.5m-760kc), 6:45 p. m., Adelphia Roof Garden orchestra; 7:15, Keystone Auto club feature; 8, Serenaders; 8:30, WEAF.
WGBS, New York, N. Y. (315.6m-950kc), 6 p. m., Uncle Geebee; 6:30, Vincent Sorey concert trio; 6:45, Arcadia Ballroom orchestra; 7:20, George Hall's Royal Arcadians; 8:45, WGBS string ensemble; 10, George Hall's Royal Arcadian orchestra, Wm. C. Pike's orchestra.
WHAR, Atlantic City, N. J. (275.1m-1090kc), 8 p. m., Seaside hotel trio; 9, studio concert; 11, Follies Bergere dance orchestra.
WHN, New York, N. Y. (361.2m-830kc), 8 p. m., Will Oakland's Chatteau; 8:30, Loew's Gates Theater overture, vaudeville; 9:30, Loew's 83rd St. theater orchestra; 11, Club Alabama orchestra; 11:30, Everglades orchestra; 12 m., Eddie Elkins Playground orchestra.
WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 7, Uncle Wip's bedtime stories; 8, special concert, Sesquicentennial exposition; 9, Hotel Traymore concert orchestra; 8:30, Hotel Ambassador concert orchestra; 10, Steeplechase Pier dance orchestra; 10:30, George Olson's dance orchestra; 11, Fry's dance orchestra; 11:30, Silver Slipper Club dance orchestra; 12, organ recital, Jean Wiener.
WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Hotel Madison concert orchestra; 7:40, Judge, Jr.; 8, First National Presentation; WRC; 8:30, U. S. Marine band, WRC, WGY; 9:30, Royal Typewriter Salon orchestra, WRC; 10:30, The Fireside Boys; 11, WRC.
WLIT, Philadelphia, Pa. (394.5m-760kc), 7:30 p. m., Ben Franklin concert orchestra.
WMCA, New York, N. Y. (340.7m-880kc), 8 p. m., Roemer's Homers; 9, Solow soloists; 9:30, Columbia Park entertainers; 11, Ernie Golden and his Hotel McAlpin orchestra; 12 m., Broadway night.
WNYC, New York, N. Y. (526m-570kc), 6 p. m., piano selections.
WOO, Philadelphia, Pa., (508.2m-590kc), 7:30 p. m., Sylvania dinner dance orchestra.
WOR, Newark, N. J. (405.2m-740kc), 6:45 p. m., Hotel Bretton Hall string quartet.
WTAG, Worcester, Mass. (545.1m-550kc), 6:30-7:30 p. m., Black and White Inn orchestra; 9-11, WEAF.

Eastern Standard or Central Daylight Saving Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 6:30 p. m., Pittsburgh Athletic association; 8, Canadian program, Kiwanis entertainers; 10:15, Flotilla club.
KYW, Chicago, Ill. (535.4m-560kc), 7 p. m., music hour; 9-10:30, classical concert; 10:30-12, Congress carnival.
WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., dinner orchestra; 7:30-8, mixed quartet; 8-9, trio; John Wilbourn, tenor; 9-10, dance orchestra.
WBZ, Sprinfield, Mass. (333.1m-900kc), 6 p. m., Hotel Kimball trio; 6:33, Hotel Lenox ensemble; 7:30, U. S. Marine band; 8:30, Hawaiian Half Hour with Bob McCharles; 9, concert; 9:30, organ recital, Caut. Hilton H. Bailey.
WCBD, Zion, Ill. (344.6m-870kc), 9 p. m., brass cuartet, organ and violin quartet; Mrs. Veatrice Beem, soprano; duets; Chester Bagg, baritone; songs, Lavon Paul-Miller; Mrs. E. B. Paxton, reader; Mary Sweeney, pianist.
WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., Goldkette ensemble; 8-10, Detroit symphony orchestra.
WEBH, Chicago, Ill. (370.2m-810kc), 7 p. m., dinner concert; 9:15, classical program; 11-12:30, frolic.
WGHB, Clearwater, Fla. (265.3m-1130kc), 7-8:30 p. m., Capitol theater orchestra.
WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert; 10-11, Frolickers; 11-12, Skylark dance band, soloists.
WGN, Chicago, Ill. (302.8m-990kc), 6:15 p. m., Punch and Judy; 6:45, Drake concert ensemble, Blackstone string quintet; 8-9, WEAF; 9-10, WEAF; 10-10:10, feature program; 10:10-10:20, Music Box; 10:20-10:30, grand opera; 10:30-11, WGN studio ensemble.
WGY, Schenectady, N. Y. (379.5m-790kc), 6:45 p. m., Mrs. Lucius Ades, pianist; 7:30-9:30, WJZ; 9:30, mixed quartet; 10:30-11:30, Stephen E. Boisclair, organist.
WHT, Chicago, Ill. (399.8m-750kc), 7-8:30 p. m., Al Carney, organist; Esther Brodsky, soprano; Howard Will, tenor; Riverview Radio Melody Masters; 8:45-10:15 (238m-1260kc), Helen Rauh, organist; poems, Stuart Dawson; Riverview orchestra; Roy Frisby, baritone; Jackie Schneider, pianist, popular songs, Tom Schneider; Ann Calkins, soprano; 10:30-1 (399.8m-750kc), Al Carney, organist; Billy Allan Huff, popular songster; Joe Warner; Al and Pat.
WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., concert; vocal, string ensemble; 12-2 a. m., jamboree: Oriole orchestra, Mark Fisher, Wayne Myers, Jack Goodwin.
WJAZ, Chicago, Ill. (329.5m-910kc), 9-12 mid., classical program, classical program.
WJJD, Mooseheart, Ill. (370.2m-810kc), 4:45-7 p. m., Dinner concert, Howard L. Peterson, organist, Palmer House symphony players, Palmer House Victorians; 7-9, Music by children of all ages; solos, bands, etc; 9-11, Palmer House Victorians, WJJD quartet; 11:30-12:30, Knights of the Burning Candle.
WJR, Detroit-Pontiac, Mich. (516.9m-580kc), 7 p. m., Jean Goldkette's Petite symphony orchestra, soloists; 7:30, Ide and Meginnity, entertainers; 8, Detroit symphony orchestra.
WLIB, Chicago, Ill. (302.8m-990kc), 7:15 p. m., Drake concert ensemble, Blackstone string quintet; 11, Ambrose Larsen, organist; Bobby Meeker's Drake hotel dance orchestra.
WLS, Chicago, Ill. (344.6m-870kc), 6:30 p. m., Al Melgard, organist; 6:45, College Inn orchestra; 7:20, Rose Sherman, violinist; Marie Ludwig, harpist; 7:30, Ralph Emerson, organist; 8:10, Maurie Sherman's College Inn orchestra.
WLW, Cincinnati, Ohio (422.3m-710kc), 6:15 p. m., Norrine Gibbons, Priscilla Holbrook; 7, Robert Visconti's orchestra; 10, Theis's Castle Farm orchestra; Latonia Melody Boys; 11, Lazarros Imperial serenaders; 12:15, Night Howls.
WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Jack Chapman's orchestra; 8:30, Whitney trio; 9, Marie Sidennis Zendt, soprano; 9:30, Jack Chapman's orchestra; 9:45, Burpan Homes.
WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon ensemble, special artists, Irish music; 9-11, Trianon orchestra; ensemble, Lombards, popular program.
WOK, Chicago, Ill. (217.3m-1380kc), 6-8 p. m., Tip Top Inn string ensemble concert; 8-12, dance orchestra, Capitol theater program; studio program.
WORD, Batavia, Ill. (275m-1090kc), 8 p. m., musicale; 8:45, talk; 9, musicale.
WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., dinner concert, Rainbo Gardens orchestra; program, students of Florence Bassett; 10-2 a. m., Rainbo Gardens orchestra; Sylvian Ladies quartet; Harry Geise, Lew Butler, Bert Davis, Frank Blasko; O'Flanagan and O'Hara, the two Frenchmen.
WRC, Washington, D. C. (468.5m-640kc), 7-9:30 p. m., WJZ; 9:30, Fireside boys; 10:30, Meyer Davis' Swanee syncopators.
WRVA, Richmond, Va. (256.3m-1170kc), 8:45 p. m., chimes; 9, The "A" string quartet; 9:40, special feature program; 11, Carry Me Back to Old Virginny.
WSAI, Cincinnati, O. (325.9m-520kc), 7-10 p. m., WEAF.
WSWS, Chicago, Ill. (275.8m-1090kc), 7 p. m., Terrace Garden orchestra; Walter Levis, baritone; Hugh Aspinwal; Georgia Gray, Zola Haynes, pianist Rita McFawn, Ilona Kinca; songs; Hawaiian guitarist, Kenneth Clark.
WTAM, Cleveland, O. (389.4m-770kc), 6 p. m., Hollenden hotel orchestra; 7-9, WEAF; 9, studio program; 11, Emerson Gill and orchestra.
WTIC, Hartford, Conn. (475.9m-630kc), 7:30 p. m., R. McCutcheon, pianist; 8, For-an-to Melody Makers and Manchester quartet; 9, Emil Heimberger's Hotel Bond dance orchestra.
WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7, WEAF.

Central Standard Time Stations

CKY, Winnipeg, Can. (384.4m-780kc), 9-10 p. m., concert, John Harper and his orchestra.
KFNF, Shenandoah, Ia. (461.3m-650kc), 7 p. m., P.M.K.P. Lodge, Tabor, Iowa.
KLDS, Independence, Mo. (440.9m-680kc), 8 p. m., old time ballads, George Anway, tenor.
KPRC, Houston, Tex. (296.9m-1010kc), 7:30 p. m., Skyline studio concert; 8:15, Richard Shannon, xylophonist; 9, Southern Pacific Lines glee club.
KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10-10 p. m., gems from famous operas, New Arlington hotel orchestra.
KVOO, Bristow, Okla. (374.8m-800kc), Guest artists night, surprise program.
KWCR, Cedar Rapids, Iowa (278m-1080kc), 12 p. m., midnight frolics.
KWWG, Brownsville, Texas (277.6m-1080kc), 8:30-8:50 p. m., Mrs. Dan Crigler, mezzo; 8:50-9:10, Alfredo Laurents, violinist; Beth Sewell, pianist; 9:10-9:30, T. Barber, bass; Doc Dutro, harmonica; 9:30-9:40, M. Lott, jazz pianist, 12:01-1 a. m., Novelty and jazz.
WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 7 p. m., WEAF; 8-9, WEAF.
WDAF, Kansas City, Mo. (365.6m-820kc), 11:45-1 a. m., Nighthawk frolic, Charlie Straight's Brunswick Recording orchestra; Johnnie Campbell's orchestra; Earl Coleman's orchestra; Harry Frank, organist.
WFAA, Dallas, Tex. (475.9m-630kc), 6:30-7:30 p. m., Jimmy Joy's orchestra; 8:30-9:30, G. Haydn Jones, tenor.
WHAD, Milwaukee, Wis. (275m-1090kc), 6:10 p. m., dinner hour program; 8:30, Milwaukee Journal Tour club.
WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., Virginia Vetter's entertainers.
WHB, Kansas City, Mo. (365.6m-820kc), 7-7:45 p. m., organ; 8-9, classical program.
WHO, Des Moines, Ia. (526m-570kc), 7:30-8 p. m., Philbreck and his Younker tea-room orchestra; 8-9, Bankers Life trio; soloists.
WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Ethel Waring Backus.
WOAI, San Antonio, Texas (394.5m-760kc), 4 p. m., T. W. Sharpe, Jr., instrumental selections; 4:30, Straus-Frank pianologue program; 8:30, Mistletoe melody maids.
WOAW, Omaha, Nebr. (526m-570kc), 6 p. m., Elks' organ; 6:50, orchestra; 9, Sunshine program.
WOC, Davenport, Ia. (483.6m-620kc), 5:45-5:55 p. m., chimes concert; 6-9, WEAF; 9-9:30, Moline Plowboys.
WSOE, Milwaukee, Wis. (245.8m-1220kc), 7 p. m., dinner concert; 9, old fashioned musical features.

Mountain Standard Time Stations

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., dinner concert, Brown Palace string orchestra.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 6:30-7:30 p. m., Topsy Turvy hour; 7:30-8, varied program; 8-9, dramatic hour, direction of Arthur Lubin; 9-10, varied program; 10-11, Patrick-Marsh dance orchestra, Betty Patrick, soloist.
KFWB, Hollywood, Calif. (252m-1190kc), 8-9 p. m., program, McGavin Brothers bakeries; 9-10, program, Chapman's Ice Cream; 10-11, Warner Brothers frolic.
KGO, Oakland, Cal. (361.2m-830kc), 6-6:55 p. m., Bem's Little symphony orchestra; 8-9, Vacation program; WOW trio, campfire songs; 9-12, Phil Lampkins Musical Bears.
KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 7:45-8, lecture; 9-10, vaudeville; 10:12, Spanish ballroom.
KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., children's hour with Uncle John; 8-10, Zoellner string quartet; Harriet Andrews, soprano; 10-11, Heffner's Sunnyland Seven.
KJR, Seattle, Wash. (384.4m-780kc), 8:30-10 p. m., studio program; 10-10:30, musical program; 10:30-12 m., "Keep Joy Radiating Order of Bats."
KNX, Hollywood, Calif. (336.9m-890kc), 7-8 p. m. Circle theater organ; 8-9, Rigali and Veselich; 9-10, Grill-Butterworth company program; 10-11, Edgewater club; 11-12, Ambassador hotel dance orchestra.
KPO, San Francisco, Cal. (428.3m-700kc), 6:30-7 p. m., States Restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel orchestra; 8-9, studio program; 9-10, studio program; 10-11, Mandarin Cafe dance orchestra.
KPSN, Pasadena, Calif. (315.6m-950kc), 8-9 p. m., musical program, Chamber of Commerce.

Friday, August 6

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
8:15	7:15	6:15	5:15	4:15
WTIC (475.9m-630kc), "Fiddle an' Bee."				
9:15	8:15	7:15	6:15	5:15
WMAQ (447.5m-670kc), Hart string quartet.				
10:30	9:30	8:30	7:30	6:30
WCCO (416.4m-720kc), Reinmuth ensemble.				
WRVA (256.3m-1170kc), Party night.				
10:45	9:45	8:45	7:45	6:45
WTIC (475.9m-630kc), The "Debutants" period.				
12	11	10	9	8
WSM (282.8m-1060kc), Quartet.				
1	12	11	10	9
WLS (344.6m-870kc), Hal Skelly's frolic.				

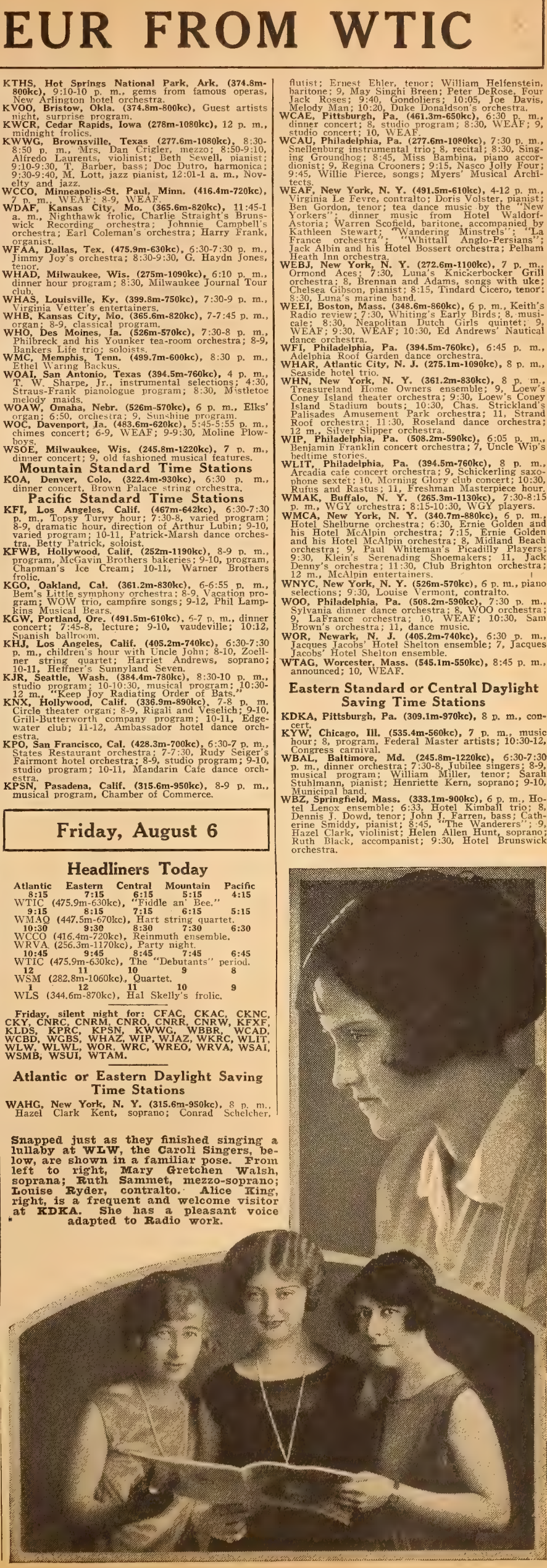
Friday, silent night for: CFAC, CKAC, CKNC, CKY, CNRC, CNRM, CNRO, CNRR, CNRW, KFXF, KLDS, KPRC, KPSN, KWWG, WBBR, WCAD, WCBD, WGBS, WHAZ, WIP, WJAZ, WKRC, WLIT, WLW, WLWL, WOR, WRC, WREO, WRVA, WSAI, WSMB, WSUI, WTAM.

Atlantic or Eastern Daylight Saving Time Stations

WAHG, New York, N. Y. (315.6m-950kc), 8 p. m., Hazel Clark Kent, soprano; Conrad Schelcher, flutist; Ernest Ehler, tenor; William Helfenstein, baritone; 9, May Singhi Breen; Peter DeRose, Four Jack Roses; 9:40, Gondoliers; 10:05, Joe Davis, Melody Man; 10:20, Duke Donaldson's orchestra.
WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert; 8, studio program; 8:30, WEAF; 9, studio concert; 10, WEAF.
WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30 p. m., Snellenburg instrumental trio; 8, recital; 8:30, Singing Groundhog; 8:45, Miss Bambina, piano accordionist; 9, Regina Crooners; 9:15, Nasco Jolly Four; 9:45, Willie Pierce, songs; Myers' Musical Architects.
WEAF, New York, N. Y. (491.5m-610kc), 4-12 p. m., Virginia Le Fevre, contralto; Doris Volster, pianist; Ben Gordon, tenor; tea dance music by the "New Yorkers"; dinner music from Hotel Waldorf-Astoria; Warren Scofield, baritone, accompanied by Kathleen Stewart; "Wandering Minstrels"; "La France orchestra"; "Whittall Anglo-Persians"; Jack Albin and his Hotel Bossert orchestra; Pelham Heath Inn orchestra.
WEBJ, New York, N. Y. (272.6m-1100kc), 7 p. m., Ormond Aces; 7:30, Luna's Knickerbocker Grill orchestra; 8, Brennan and Adams, songs with uke; Chelsea Gibson, pianist; 8:15, Tindard Cicero, tenor; 8:30, Luna's marine band.
WEEI, Boston, Mass. (348.6m-860kc), 6 p. m., Keith's Radio review; 7:30, Whiting's Early Birds; 8, musicale; 8:30, Neapolitan Dutch Girls quintet; 9, WEAF; 9:30, WEAF; 10:30, Ed Andrews' Nautical dance orchestra.
WFI, Philadelphia, Pa. (394.5m-760kc), 6:45 p. m., Adelphia Roof Garden dance orchestra.
WHAR, Atlantic City, N. J. (275.1m-1090kc), 8 p. m., Seaside hotel trio.
WHN, New York, N. Y. (361.2m-830kc), 8 p. m., Treasureland Home Owners ensemble; 9, Loew's Coney Island theater orchestra; 9:30, Loew's Coney Island Stadium bouts; 10:30, Chas. Strickland's Palisades Amusement Park orchestra; 11, Strand Roof orchestra; 11:30, Roseland dance orchestra; 12 m., Silver Slipper orchestra.
WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 7, Uncle Wip's bedtime stories.
WLIT, Philadelphia, Pa. (394.5m-760kc), 8 p. m., Arcadia cafe concert orchestra; 9, Schickerling saxophone sextet; 10, Morning Glory club concert; 10:30, Rufus and Rastus; 11, Freshman Masterpiece hour.
WMAK, Buffalo, N. Y. (265.3m-1130kc), 7:30-8:15 p. m., WGY orchestra; 8:15-10:30, WGY players.
WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Hotel Shelburne orchestra; 6:30, Ernie Golden and his Hotel McAlpin orchestra; 7:15, Ernie Golden and his Hotel McAlpin orchestra; 8, Midland Beach orchestra; 9, Paul Whiteman's Picadilly Players; 9:30, Klein's Serenading Shoemakers; 11, Jack Denny's orchestra; 11:30, Club Brighton orchestra; 12 m., McAlpin entertainers.
WNYC, New York, N. Y. (526m-570kc), 6 p. m., piano selections; 9:30, Louise Vermont, contralto.
WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Sylvania dinner dance orchestra; 8, WOO orchestra; 9, LaFrance orchestra; 10, WEAF; 10:30, Sam Brown's orchestra; 11, dance music.
WOR, Newark, N. J. (405.2m-740kc), 6:30 p. m., Jacques Jacobs' Hotel Shelton ensemble; 7, Jacques Jacobs' Hotel Shelton ensemble.
WTAG, Worcester, Mass. (545.1m-550kc), 8:45 p. m., announced; 10, WEAF.

Eastern Standard or Central Daylight Saving Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 8 p. m., concert.
KYW, Chicago, Ill. (535.4m-560kc), 7 p. m., music hour; 8, program, Federal Master artists; 10:30-12, Congress carnival.
WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., dinner orchestra; 7:30-8, Jubilee singers; 8-9, musical program; William Miller, tenor; Sarah Stuhlmann, pianist; Henriette Kern, soprano; 9-10, Municipal band.
WBZ, Springfield, Mass. (333.1m-900kc), 6 p. m., Hotel Lenox ensemble; 6:33, Hotel Kimball trio; 8, Dennis J. Dowd, tenor; John J. Farren, bass; Catherine Smiddy, pianist; 8:45, "The Wanderers"; 9, Hazel Clark, violinist; Helen Allen Hunt, soprano; Ruth Black, accompanist; 9:30, Hotel Brunswick orchestra.



Snapped just as they finished singing a lullaby at WLW, the Caroli Singers, below, are shown in a familiar pose. From left to right, Mary Gretchen Walsh, soprana; Ruth Sammet, mezzo-soprano; Louise Ryder, contralto. Alice King, right, is a frequent and welcome visitor at KDKA. She has a pleasant voice adapted to Radio work.

Friday, August 6

WCAP, Washington, D. C. (468.5m-640kc), 7-8 p. m., concert, U. S. Navy band; 8-9, studio program; 9-9:30, WEAF; 9:30-10, studio program.
WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., dinner concert, Goldkette ensemble; 8-10, Detroit symphony orchestra; 10, dance music.
WEBH, Chicago, Ill. (370.2m-810kc), 7 p. m., dinner concert; 9:15, staff artists; 11-12:30, midnite frolic.
WGHB, Clearwater, Fla. (265.3m-1130kc), 8:30-10 p. m., pipe organ recital; Frederick Hubbard, organist; Ethel Weber, soprano; Mrs. H. Sheridan, contralto; Mrs. F. Barrett, violinist.
WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert; 10-11, entertainers; 11-12, Skylark dance band, soloists.
WGN, Chicago, Ill. (302.8m-990kc), 6:45-7 p. m., Drake concert ensemble, Blackstone string quintet; 7:15-8, Paul Ash's show; 9-9:30, WEAF; 9:30-10, Phantom violin; 10-10:10, features; 10:10-10:22, Music Box; 10:22-11, WGN studio ensemble.
WGY, Schenectady, N. Y. (379.5m-790kc), 6 p. m., Hotel Van Curler orchestra; 6:35, Apollo orchestra; 7:15, three one-act plays, "Yesterday," "Spring," "The Beaded Buckle," WGY players; 9:30, Jack Denny's Singing Hawaiians.
WHT, Chicago, Ill. (398.8m-750kc), 7-8:30 p. m., Al Carney, organist; Edna West Grindon, soprano; Helen Rauh, pianist; Riverview Radio Melody Masters; 8:45-10:15 (238m-1260kc), Helen Rauh, organist; Riverview orchestra; Frances O'Conner, soprano; Gladys Bauer, pianist; Charles Kovac, violinist; Mrs. Kovac, mezzo-soprano; 10-1 a. m. 399.8m-750kc), Al Carney, organist; Nick Manoloff; Rita McFaun, soprano; Oscar Heather, tenor; Rita McFaun, soprano; Al and Pat.
WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., concert; vocal solos; string ensemble; 10-2 a. m., popular program; Oriole orchestra; Tony Corcoran, tenor; Art Billquist, Lauretta Giles, Marie Daniels.
WJAZ, Chicago, Ill. (329.5m-910kc), 9-12 mid., The Quips that Pass in the Night.
WJJD, Mooseheart, Ill. (370.2m-810kc), 4:45-7 p. m., Dinner concert, Howard L. Peterson, organist; Palmer House symphony players; Palmer House Victorians; 7-9, Music by children of all ages; solos, bands, etc.; 9-11, Palmer House Victorians; Jean St. Anne; 11:30-12:30, Settin' Up Hour.
WJR, Detroit-Pontiac, Mich. (516.9m-580kc), 7 p. m., Goldkette's Petite symphony orchestra, soloists; 7:30, Grennan "Protectors"; 8, Detroit symphony orchestra.
WLIB, Chicago, Ill. (302.8m-990kc), 11 a. m., frolic.
WLS, Chicago, Ill. (344.6m-870kc), 6:30 p. m., Al Melgard, organist; 6:45, College Inn orchestra; 7:20, Rose Sherman, violinist; Marie Ludwig, harpist; 7:30, Ralph Emerson, organist; 8:30, Grace Wilson, contralto; 9:10, College Inn orchestra; 9:30, Marie Morrisey, contralto; Theodore DuMoulin, cellist; 10:30, Medicine show; 11, Ralph Emerson, organist; 12, Hal Skelly's frolic.
WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 8, George Simons, tenor; 8:15, concert, Mandel hall, Hart string quartet.
WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon duo; Vella Cook, contralto; Harold Thorpe, pianist; N. Harte, baritone; old home songs program; 9-11, Trianon orchestra; Vella Cook, contralto; Borden Brothers; Cecil and Esther Ward; Sandy McTavish, popular program.
WOK, Chicago, Ill. (217.3m-1280kc), 6-8 p. m., Tip Top Inn string ensemble concert; 8-12, dance orchestra, Capitol theater program; studio program.
WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9 p. m., classical concert; Van Wyck's instrumental quartet; 10:10, Ramona Radio Revelry, orchestra.
WORD, Batavia, Ill. (275m-1090kc), 7 p. m., North Shore Line; 7:45, World News Digest; 9, station program.
WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Garden's orchestra; Peter Grosso, lyric tenor; Clarence Claussen, baritone; Lorena Anderson, soprano; 10-2 a. m., Rainbo Garden's orchestra; Flo and Ray, harmony duo; Romo Vincent, boy baritone; Muriel Olsen, contralto; Johnny Poat, baritone; Harry Brooker, baritone; O'Flanagan and O'Hara, two Frenchmen.
WRVA, Richmond, Va. (256.3m-1170kc), 9:15 p. m., chimes; 9:30, Edgeworth Party night, dance program; Golden Gate syncopators orchestra; 12:30 a. m., Carry Me Back to Old Virginny.
WSWS, Chicago, Ill. (275.8m-1090kc), 8 p. m., Terrace Garden orchestra; Walter Dyckman, basso; Georgia Gray, violinist; Hugh Aspinwall, tenor; Leola Aikman, ballads; 10, Terrace Garden orchestra; Sid Pierson, popular songs; Ruth Boutay, Blues singer; ballads, Harry Davis; songs, Art Billquist; Freddie Wittmer, pianist; 12, Witching hour; Gus Edwards' orchestra; Henri Therrien, tenor.
WTAM, Cleveland, O. (379.4m-770kc), 6:30 p. m., Emerson Gill and orchestra; 8, Euclid Beach Park orchestra; 9, WEAF; 9:30-11, studio program; 11, Collegian serenaders.
WTIC, Hartford, Conn. (475.9m-630kc.), 7 p. m., piano recital, Laura Gaudet; 7:15, Fiddle an' Bee; 7:30, Colt Park Municipal dance orchestra; 8:30, vocal concert; 9:45, "Debutants" period.
WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 8, News orchestra; 9, WEAF.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., dinner concert; 8:30-10:30, Out-of-town program.
KFH, Wichita, Kans. (268m-1120kc), 7 p. m., Leon Fergus and his Venetians dance orchestra; 7:40, Nannette Annabelle James, reader.
KFNF, Shenandoah, Ia. (461.3m-650kc), 7 p. m., religious discussion; 7:30, pipe organ concert.
KMA, Shenandoah, Ia. (461.3m-650kc), 9-11 p. m., talent.
KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., Jacquinot Jules, organist; 7, juvenile music; 8, "Colonel 6121," A. W. Snyder, piano accordionist; Eva Sarwell, Bill Snyder; 9, Do Re Mi Double quartet; 9:30, orchestra; 10, Music Lovers hour; Helen Musick, soprano.
KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10-10 p. m., solo hour, staff artists; 10-10:30, dance concert, Ray Mullins orchestra.
KVOO, Bristow, Okla. (374.8m-800kc), Josephine Storey-White with a classical, vocal and instrumental program.
KWCR, Cedar Rapids, Ia. (278m-1080kc), 4:15 p. m., musical hour and fashion talk by Denecke stores; 9, studio program.
WAMD, Minneapolis, Minn. (243.8m-1230kc), 7:15 p. m., popular program; Harmony twins; Fred Roble, Bob Melcher, Phantom pianist; Alma Edwards, mezzo-soprano; Emil Edwards, violinist.
WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6:15 p. m., dinner concert, Wallie Erickson's Coliseum orchestra; 8, WEAF; 8:30, Remmuth ensemble; Frederick Stevens, tenor; 10:05, Nankin Cafe orchestra; Beatrice DeVold, contralto; piano numbers, Al Nordly, Horace Goldberg.
WDAF, Kansas City, Mo. (365.m-820kc), 8-8:30 p. m., WEAF; 11:45-1 a. m., Nighthawk frolic; Charlie Straight's Brunswick recording orchestra; Ted Meyn, organist; Earl Coleman's orchestra; Johnnie Campbell's orchestra.
WHAD, Milwaukee, Wis. (275m-1090kc), 6:10 p. m., Arthur Richter, organist.
WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., Lervie Miller and his orchestra.
WHB, Kansas City, Mo. (365.6m-820kc), 7-8 p. m., Sweeney Radio orchestra, popular songsters.
WHO, Des Moines, Ia. (526m-570kc), 7:30-8 p. m., Philbrook and his Younker tea-room orchestra; 8-9, Bert Critchett, baritone; Alex Lindblom, violinist; Hugh Beggs, pianist.
WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Hotel Gayoso orchestra; 11, Harry O. Nichols.
WOAI, San Antonio, Tex. (394.5m-760kc), 4:30 p. m., Straus-Frank pianologue program, 8:30, San Antonio college of music program, Walter Dunham harmonologue.
WOAW, Omaha, Nebr. (526m-570kc), 6:50 p. m., orchestra; 9, Red Feather program.
WOC, Davenport, Ia. (483.6m-620kc), 5:45-6 p. m., chimes concert; 8-8:30, WEAF; 8:30-9:30, musical program; Norine Murray, soprano; John Geawe, tenor; Mrs. Frank Elliott, organist.
WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., dinner concert, Andrew Jackson hotel trio; 8, Prof. Vratislav Mudroch, Bohemian violinist; 10, Masonic quartet; 10:30, pipe organ concert, F. Arthur Henkel.
WSOE, Milwaukee, Wis. (245.8m-1220kc), 7 p. m., dinner concert; 9, Candygram review.

Mountain Standard Time Stations

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., dinner concert, Brown Palace string orchestra; 8, open-air concert, Denver Municipal band.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-7:30 p. m., Anita Holt, violinist; 7:30-8 p. m., Felipe Delgado's media hora Espanola; 8-9, Aeolian organ; 9-10, varied hour; 10-11, Packard ballad hour.
KFWB, Hollywood, Calif. (252m-1190kc), 7-8 p. m., program, Bert Farrar, Inc.; 8-9, program, John Wright, The Right Tailor; 9-10, program; 10-11, Warner Brothers frolic.
KGO, Oakland, Cal. (361.2m-830kc), 6-6:55 p. m., Bem's Little symphony orchestra.
KGW, Portland, Ore. (491.5-610kc), 6-7 p. m., dinner concert; 8-9, instrumental music; 9-10:30, concert; 10:30-12 midnight, Hoot Owls.
KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., Uncle John and the children; 8-10, de luxe program.
KJR, Seattle, Wash. (384.4m-780kc), 8:30-10 p. m., Post Intelligencer studio program.
KLX, Oakland, Cal. (508.2m-590kc), 8-9:45 p. m., studio program; 9:45-10:30, Athens Athletic club orchestra.
KNX, Hollywood, Calif. (336.9m-890kc), 7-8 p. m., Loftus Land company; 8-9, Jell-X-Cell program, Uptown Theater Playboys; 9-10, Order of Optimistic Donuts; 10-11, fights, Hollywood American Legion stadium; 11-12, Ambassador hotel dance orchestra.
KPO, San Francisco, Cal. (428.3m-700kc), 6:30-7 p. m., States Restaurant orchestra; 8-9, studio program; 9:20-10, Palace hotel dance orchestra; 10-11, States Restaurant orchestra.

Saturday, August 7

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
7:30	6:30	5:30	4:30	3:30
WEAF (491.5m-610kc), Musical Comedy troupe.				
10:30	9:30	8:30	7:30	6:30
WFAA (475.9m-630kc), Schubert Choral club program.				
11	10	9	8	7
KMOX (280.2m-1070kc), "Sue 'Em," drama.				
12:10	11:10	9:10	8:10	7:10
KGO (361.2m-830kc), Studio program.				
1 a.m.	12 m.	11	10	9
KFNF (461.3m-650kc), Old-time music.				

Saturday, silent night for: CNRA, CNRC, CNRE, CNRM, CNRR, CNRT, CNRV, CNRW, KFKX, KFUO, KFXF, KMA, KTAB, KWWG, WBAL, WCAL, WCAU, WCBD, WCX, WEBJ, WEEI, WFI, WGBF, WGCP, WGHP, WGST, WHA, WHAD, WHAZ, WHN, WHO, WJAR, WLIT, WLWL, WOO, WOS, WRVA, WTAG, WTIC, WWJ.

Atlantic or Eastern Daylight Saving Time Stations

CFCA, Toronto, Can. (356.9m-840kc), 9 p. m., orchestra, musical comedy selections, dance program.
WBBR, New York, N. Y. (272.6m-1100kc), 8 p. m., Joseph Bonaccorso, violinist; 8:10, L. Marion Brown, soprano; 8:25, Bible questions and answers.
WCAE, Pitsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert; 8:15, dance music, Kennywood park.
WEAF, New York, N. Y. (491.5m-610kc), 4 p. m., Elmer Grosso and his orchestra, 5, The New Yorkers dance orchestra; 6, Dinner music from Hotel Waldorf-Astoria; 7, Frank Farrell and his Greenwich Village Inn orchestra; 7:30, Musical comedy hits by WEAF musical comedy troupe; 8:30, Goldman band concert; Johann Strauss program, Florence Leffert soprano, WWJ, WGR; 10:15, Ben Bernie's orchestra; 11:15-12, Rolfe's Palais D'Or orchestra.
WGBS, New York, N. Y. (315.6m-950kc), 6 p. m., Uncle Geebee; 6:30, Vincent Sorey's concert trio; 7:45, George Hall and his Royal Arcadians; 10:30, Arrowhead Inn dance orchestra.
WHAR, Atlantic City, N. J. (275.1m-1090kc), 8 p. m., Seaside hotel trio.
WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 7, Uncle Wip's bedtime stories; 8:15, recital from Marine studio; 8:30, Hotel Shelburne orchestra; 9, Hotel Traymore orchestra; 9:30, Emmet Welch's Minstels; 10:15, George Olson's dance orchestra; 10:45, Ted Weem's Novelty dance orchestra; 11:15, Wheeler Wadsworth dance orchestra.
WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Waldorf-Astoria Roof orchestra; 8:25, Stadium Philharmonic concert, WRC, WGY; 10:30, Hotel Astor Roof orchestra.
WMAK, Buffalo, N. Y. (265.3m-1130kc), 7:30-8:30 p. m., musical; 8:30-9:30, musical.
WMCA, New York, N. Y. (340.7m-880kc), 7 p. m., Tappen's orchestra; 11, Ernie Golden and his Hotel McAlpin orchestra.
WNYC, New York, N. Y. (526m-570kc), 7 p. m., piano selections.
WOR, Newark, N. J. (405.2m-740kc), 6:15 p. m., Jacques Jacobs' Hotel Shelton ensemble; 7, Jacques Jacobs' Hotel Shelton ensemble; 7:30, Oreste's Queensland orchestra; 8, Bretton Hall string quartet; 8:45, Arthur Pryor's band; 9:15, Casino.

Eastern Standard or Central Daylight Saving Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 5:30 p. m., Westinghouse band; 8, Westinghouse Employes band.
KYW, Chicago, Ill. (535.4m-560kc), 7 p. m., music hour; 8, musicale; 9-10:30, classical concert; 10:30-12, Congress carnival, Bittie-Benson orchestra.
PWX, Havana, Cuba (400m-750kc), 8:30-11 p. m., Typical Cuban concert.
WBZ, Springfield, Mass. (333.1m-900kc), 6 p. m., Capitol theater orchestra; 8, organ recital, Mildred Vinton; 8:30, Max I. Krulee and his orchestra; 9, concert.
WEBH, Chicago, Ill. (370.2m-810kc), 8 p. m., songs; 9:15-10, Edgewater Beach hotel orchestra; 11-12, orchestra, Kay Ronayne; 1-2, frolic.
WGN, Chicago, Ill. (302.8m-990kc), 6:15 p. m., Punch and Judy; 6:35, Drake concert ensemble, Blackstone string quintet; 8, Auld Sandy; 8:10, Drake concert ensemble; 8:20, Correll and Gosden; 8:30, Fred Hamm and his orchestra; 9-9:30, "Good Morning, Dearie," light opera period; 9:30-10, musicale; 10, features.
WGY, Schenectady, N. Y. (379.5m-790kc), 6 p. m., Hotel Onondaga orchestra; 6:30, Buffalo theater; 7:25, WJZ; 9:30, dance program, Sagamore hotel.
WHT, Chicago, Ill. (399.8m-750kc), 7-8:30 p. m., Al Carney, organist; Eleanor Gilmore, soprano; Dorothy Zion, violinist; Riverview Radio Melody Masters; 8:45-10:15 (238m-1260kc), Helen Rauh, organist; Stuart Dawson, poems; Tom Schneider, popular songs; Jackie Schneider, pianist; Mary Nerweg, soprano; Riverview orchestra; 10:30 (399.8m-750kc), Al Carney, organist; Brown and Craig; Hot Tomales; John Norton, harmonica soloist; trio; 12-1, Your Hour league.
WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., concert; string ensemble; vocal solos; Rita McFawn.
WJAZ, Chicago, Ill. (329.5m-910kc), 9-1 a. m., Avery McIntyre, pianist; Elmer Winthrop, baritone.
WJJD, Mooseheart, Ill. (370.2m-810kc), 4:45-7, dinner concert, Howard L. Peterson, organist, Palmer House symphony players, Palmer House Victorians; 7-9, Isabel Defaut, Palmer House Victorians, Freddy Witmer, George Hill, Jr.; 9-11, Isabel Defaut, Palmer House Victorians; 11-1 a. m., Settin' Up Hour.
WJR, Detroit-Pontiac, Mich. (516.9m-580kc), 7 p. m., Jean Goldkette's Petite symphony orchestra, soloists; 7:30, Lagoona Gondoliers; 8, Detroit symphony orchestra; 11:30, Merry Old Chief, Jewett Jesters.
WLIB, Chicago, Ill. (302.8m-990kc), 7:15 p. m., dinner music; 7:30-8, Drake concert ensemble, Pattison Coates, baritone; 11-1, Ambrose Larsen, organist; Bobby Meeker's Drake hotel dance orchestra.
WLS, Chicago, Ill. (344.6m-870kc), 6:30 p. m., Al Melgard, organist; 7:15-1 a. m., national barn dance.
WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., Johanna Grosse, organist; 7:30, Seckatary Hawkins Radio club; 8, Johanna Grosse; 8:30, Ray Overholdt, xylophonist; 9, Henry Theis' Castle farmer.
WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m. Chicago theater organ; 6:30, Jack Chapman's orchestra; 8, Daw and Pratt, men of 1,001 songs; 8:30, Radio photologue; 9:30, Chicago theater weekly Radio revue.
WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon ensemble; miscellaneous program; 9-11, Trianon orchestra; ensemble; popular program.
WOK, Chicago, Ill. (217.3m-1380kc), 6-8 p. m., Tip Top Inn string ensemble concert; 8-12, dance orchestra, Capitol theater program, studio program.
WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9 p. m., Elizabeth Barker Van Campen hour of music; 10:05, studio program; Bob and Hazel McOsker, Freddie Gleason, instrumental quartet, popular artists; Ramona Gardens orchestra.
WORD, Batavia, Ill. (275m-1090kc), 7 p. m., Webster hotel concert program; 9, studio program, Little Journey talk.
WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Gardens orchestra; Peter Gruber, violinist; Lillian Schoesling, soprano; 10-3 a. m., Rainbo Gardens orchestra; Nubs Allen, contralto; Bert Davis, Joe Warner, artists.
WRC, Washington, D. C. (468.5m-640kc), 7 p. m., Irving Boernstein's Hotel Washington orchestra; 7:30, WJZ; 9:35, announced; 10, Kitt hour of music; 11-12, organ recital, Otto F. Beck.
WSAI, Cincinnati, Ohio (325.9m-520kc), 7:45 p. m., chime concert, Robert Badgley; 8:15, Bicycle Playing Card sextet.
WSWS, Chicago, Ill. (275.8m-1090kc), 8 p. m., Terrace Garden orchestra; Woodmar quartet; Georgia Gray, violinist; Walter Schlundt, basso; Herbert Lahr, tenor; George Calder, baritone; 10, Terrace Garden orchestra; Joe Coffey; Hugh Aspinwall; Matthews Sisters; Gail Bandel, blues singer; Zola Haynes, pianist; Georgia Gray, violinist; 12, Witching hour.
WTAM, Cleveland, Ohio (389.4m-770kc), 7:30 p. m., studio program; 8, Hollenden hotel orchestra; 9, vaudeville program; Ev Jones' merrymakers and entertainers.
WWJ, Detroit, Mich. (352.7m-850kc), 7:30 p. m., Goldman band concert.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., dinner concert; 8:30-10:30, musical program.
KFNF, Shenandoah, Iowa (461.3m-650kc), 7 p. m., mixed program; 11, old-time music.
KLDS, Independence, Mo. (440.9m-680kc), 8 p. m., Blevins Davis, pianist.
KMA, Shenandoah, Iowa (461.3m-650kc), 9-11 p. m., Ye Olde Tyme gang orchestra, songs; Willy Cunningham, farmer Scotchman.
KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., Jacquinot Jules, organist; 7, KMOX Radio orchestra; Stark Musical Bears; 8, KMOX Radio orchestra; Porter Brown, banjoist; 9, Radio drama, "Sue 'Em," Nancy Bancroft Brosius; 9:30, KMOX Radio orchestra; 10-11, Dansant Nuit.
KPRC, Houston, Texas (296.9m-1010kc), 8-10 p. m., Skyline studio concert.
KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:30-10 p. m., dance concert, Meyer Davis orchestra; 10-10:15, Joe Kuntz, accordion soloist.
KVOO, Bristow, Okla. (374.8m-800kc), Marshall Van Pool and his Radio KVOO orchestra.
WAMD, Minneapolis, Minn. (243.8m-1230kc), 7:15 p. m., popular program; Blue Fez syncopators; Jim Courtney, baritone; Night Watchman.
WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6:15 p. m., Wesley Barlow's Nicollet hotel concert orchestra; Adeline Wagner, soprano; 8:15, musical program; Teter and Johnson, entertainers; Lawrence Henri, pianist; Hannah Webb, violinist; 9, musical program; Tenie Murphy O'Shea, mezzo soprano; Aileene Aalbu, soprano; Vera Aalbu, violinist; Winifred Reichmuth and Paul Oberg, pianists; 10:05, Wallie Erickson's Coliseum dance orchestra; William Kegley, imitator; Jeannette Goodman, soprano.
WDAF, Kansas City, Mo. (365.6m-820kc), 8-10 p. m., around the town with WDAF; 11:45-1 a. m., Nighthawk frolic; Charlie Straight's Brunswick recording orchestra; Earl Coleman's orchestra; Johnnie Campbell's orchestra; popular songsters.
WFAA, Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m., Jimmy Joy's orchestra; 8:30-9:30, Schubert choral club; 11-12, Jack Gardner's orchestra.
WHAD, Milwaukee, Wis. (275m-1090kc), 6 p. m., classical studio program.
WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., mixed vocal and instrumental concert.
WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Euphonic quartet.
WOAI, San Antonio, Tex. (394.5m-760kc), 4:30 p. m., Straus-Frank pianologue program.
WOAW, Omaha, Nebr. (526m-570kc), 6:50 p. m., orchestra; 9, classical; 10, organ jubilee, Elks' club.
WOC, Davenport, Iowa (483.6m-620kc), 5:45-6 p. m., chimes concert; 9-10, musical program; Mrs. Frank Rehling, soprano; Robert Lynch, baritone; Howard Carroll, tenor.
WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., dinner concert, Andrew Jackson hotel trio; 8, popular and barn dance program.
WSOE, Milwaukee, Wis. (245.8m-1220kc), 7 p. m., dinner concert; 9, dance program.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Al Wesson's orchestra; 8-9, Angelus trio; 9-10, classic hour; 10-11, Packard Radio club; 11-2 a. m., KFI midnight frolic.
KFWB, Hollywood, Calif. (252m-1190kc), 8-11 p. m., Bill Hatch's dance orchestra; Peggy Mathews, soloist; Raquel Nieto, coloratura soprano.
KGO, Oakland, Cal. (361.2m-830kc), 4-5:30 p. m., Bem's Little symphony orchestra; 8:10-10, instrumental selections, the Serenaders; Ira Morgan, baritone; Winston Petty, cellist; Laura Broderick, soprano; Edna Horan, violinist; mandolin and guitar selections, Theresa and Lily Sherwood; Helen Merchant, pianist; Frederick Nodder, tenor; 9-9:30, Philharmonic society, instrumental trio; 9:30-10, Serenaders; mandolin and guitar selections; 10-1 a. m., dance music, Wilt Gunzendorfer's band.
KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 10-12 mid., Herman Kenin's orchestra; Punch Green, pianist.
KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., children's hour, Uncle John; 8-10, L. A. Ry. Hawaiian quartet and others.
KJR, Seattle, Wash. (384.4m-780kc), 8:30-10 p. m., program.
KNX, Hollywood, Calif. (336.9m-890kc), 7:30-8 p. m., Program, Dearbon's Furniture Co.; 8-9, program, Broadway Dept. store; 9-10, program, Rondith corp.; 10-11, Ambassador hotel dance orchestra; 11-2 a. m., KNX midnight frolic, Edgewater Club, Santa Monica.
KPO, San Francisco, Cal. (428.3m-700kc), 6:30-7:20 p. m., States Restaurant orchestra; 8-10, Mandarin Cafe dance orchestra; 10-12, Clift hotel dance orchestra.
KPSN, Pasadena, Cal. (315.6m-950kc), 8-9 p. m., Star-News concert hour; instrumental ensemble, vocal artists.

Sunday, August 8

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
7	6	5	4	3
WHO (526m-570kc), Little symphony.				
WIBO (226m-1330kc), Oriole symphony orchestra.				
11	10	9	8	7
KFAB (340.7m-880kc), Musicale.				
WFAA (475.9m-630kc), Waikiki School of music trio.				
11:30	10:30	9:30	8:30	7:30
WAMD (243.8m-1230kc), Radio Stock company.				
12	11	10	9	8
KHJ (405.2m-740kc), Orpheus Four male quartet.				
1	12	11	10	9
WFAA (475.9m-630kc), Cruz Family symphony orchestra.				

For stations silent tonight refer to first Sunday's list.

Atlantic or Eastern Daylight Saving Time Stations

CFCA, Toronto, Can. (356.9m-840kc), 11 a. m., Timothy Eaton Memorial church; 7 p. m., St. Paul's Anglican church; 9:30, musical program.
WBBR, New York, N. Y. (272.6m-1100kc), 10 a. m., Watchtower string quartet; L. Marion Brown, soprano; 2 p. m., Watchtower orchestra; 3, Richard Lee Gilliam, baritone; 9, string ensemble, piano solos; 9:25, Bible questions and answers, Judge Rutherford.
WCAE, Pittsburgh, Pa. (461.3m-650kc), 4 p. m., Peoples Radio church; 6:30, William Penn hotel; 7:20, Capitol theater gang.
WEAF, New York, N. Y. (491.5m-610kc), 3-4 p. m., Greater New York Federation of churches; 4-4:30, Instrumental program of sacred music; 4:30-5:30, Musical vespers by Federation mixed quartet; 5:30-6, musical program; 6-7:20, Devora Nadworney, contralto and orchestra; 9:15-9:45, Atwater Kent hour, Allen McQuhae, tenor and orchestra; 9:45-10:15, Goldman band concert; choral program, Waino Kauppi, cornetist; Lotta Madden, soprano.
WEEI, Boston, Mass. (348.6m-860kc), 7:20 p. m., WEAF; 9:15, WEAF; 9:45, WEAF; 10:15, Keith's Radio revue.
WFI, Philadelphia, Pa. (394.5m-760kc), 7:30 p. m., services, Arch street Presbyterian church.
WHAR, Atlantic City, N. J. (275.1m-1090kc), 10:45 a. m., Chelsea Baptist church; 2:15 p. m., sacred recital, Seaside hotel trio; 7:50, Chelsea Baptist church; 9, with the classics, Seaside hotel ensemble.
WHN, New York, N. Y. (361.2m-830kc), 7:30 p. m., Calvary Baptist church; 12 m., Sophie Tucker's Playground orchestra.
WIP, Philadelphia, Pa. (508.2m-590kc), 10:45 a. m., services, Holy Trinity church; 9:15 p. m., concert, Marine studio, Steel Pier, Atlantic city.
WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Park Avenue Baptist church, carillon, WGY; 7:25, Hotel Pennsylvania concert orchestra, WGY; 9:30, Godfrey Ludlow, violinist, WGY.
WMAK, Buffalo, N. Y. (265.3m-1130kc), 7 p. m., Churchill tabernacle.
WMCA, New York, N. Y. (340.7m-880kc), 7 p. m., Ernie Golden and his Hotel McAlpin orchestra; 9 p. m., Jewish Forward hour.
WOO, Philadelphia, Pa. (508.2m-590kc), 2:30 p. m., musical exercises, Bethany Sunday school; 6, organ recital; 7:30, services, Bethany Presbyterian church.

Eastern Standard or Central Daylight Saving Time Stations

KYW, Chicago, Ill. (535.4m-560kc), 11 a. m., Second Presbyterian church; 4 p. m., studio concert; 9:30-11, classical concert, Commonwealth Edison company.
WBAL, Baltimore, Md. (245.8m-1220kc), 7:30-8:30 p. m., concert orchestra.
WCBD, Batavia, Ill. (344.6m-870kc), 9 p. m., mixed quartet, Celestial bells; Wiedman Sisters; trios, Mary Sweeney, soprano; Ralph Bull, tenor; Rhoda Wise, soloist; Donald Gooden, violinist; Mrs. E. T. Deeder, reader.
WEBH, Chicago, Ill. (370.2m-810kc), 7-9 p. m., artists program.
WGHP, Detroit, Mich. (270.1m-1110kc), 11 a. m., Grosse Pointe Memorial church.
WGN, Chicago, Ill. (302.8m-990kc), 12 a. m., Uncle Walt; 1-2 p. m., Ambrose Larsen, organist; 2-2:50, Lyon and Healy; 6:15-6:45, Punch and Judy; 6:45-7, musicale; 7-7:20, Million sing; 7:20-7:30, Old Fashioned Almanack; 7:30-8, musicale; 8-8:15, Drake concert ensemble, Blackstone string quintet; 8:15-8:45, Atwater Kent musicale; 8:45-9, musicale; 9-10, Our Music room; 10-10:10, feature program; 10:10-11, WGN Studio ensemble.
WGY, Schenectady, N. Y. (379.5m-790kc), 6:05 p. m., WJZ.
WHT, Chicago, Ill. (399.8m-750kc), 1-11:30 p. m., Paul Rader.
WIBO, Chicago, Ill. (225.4m-1330kc), 9-10 a. m., Swedish program; 10:15-12 noon, First M. E. church; 2-4 p. m., Uptown Conservatory of Music concert; 6-8, symphony orchestra; 10-12, popular program; Oriole orchestra; popular artists.
WJAZ, Chicago, Ill. (329.5m-910kc), Spanish garden studio; classical program.
WJJD, Mooseheart, Ill. (370.2m-810kc), 12-1 p. m., Howard L. Peterson, organist; 1:30-2:30, Mooseheart Sunday concert; 2:30-3, Radio Bible class.
WLIB, Chicago, Ill. (302.8m-990kc), 5:45-6:15 p. m., Edward Benedict, organist.
WLS, Chicago, Ill. (344.6m-870kc), 10:45 a. m., University of Chicago church service; 12:30 p. m., Elsie Mae Look, organist; 7-8:55, WLS Little Brown church.
WLW, Cincinnati, Ohio (422.3m-710kc), 9:30 a. m., Sunday school; 11, YMCA church service; 3 p. m., Municipal band concert; 7, organ recital; 8, Crosley quartet; Evelyn Nichols, soprano; Supermusicone trio.
WMBB, Chicago, Ill. (249.9m-1200kc), 3-5 p. m., Trianon orchestra; popular concert; 7-8, Trianon ensemble, sunset musicale; 9-11, Trianon orchestra; Woodlawn theater orchestra; ensemble; Mable Bagley, the Lombards, Monte Blunn, Bob Bennett, popular program.
WOK, Chicago, Ill. (217.3m-1380kc), 6-12 mid., Tip Top Inn concert; Capitol theater; studio program, dance orchestras.
WQJ, Chicago, Ill. (447.5m-670kc), 3-4 p. m., concert hour; Elizabeth Moritz, concert pianist; Lucy Westen, soprano; 8-10, Holy Family church choir.
WSAI, Cincinnati, Ohio (325.9m-520kc), 7:45 p. m., chime concert, Robert Badgley; 8, sermonette; 8:15, WEAF; 8:45, WEAF.
WSWS, Chicago, Ill. (275.8m-1090kc), 11 a. m.-12:30 p. m., services, Moody church; 3:30-5, services; 7-9:30, song service.
WTAM, Cleveland, Ohio (389.4m-770kc), 10:30 a. m., Trinity cathedral; 6 p. m., Hollenden hotel orchestra; 7, Park theater orchestra; 8, twilight musicale.
WWJ, Detroit, Mich. (352.7m-850kc), 11 a. m., St. Paul's cathedral; 2 p. m., News orchestra; 6:20, WEAF; 8:15, WEAF.

Central Standard Time Stations

CKY, Winnipeg, Can. (384.4m-780kc), 7 p. m., Crescent church.
KFAB, Lincoln, Nebr. (340.7m-880kc), 9-10 p. m., Sunday evening musical.
KFNF, Shenandoah, Iowa (461.3m-650kc), 10:45 a. m., First M. E. church; 2:30 p. m., Seed House song service; 3, Methodist Sunday school; 6:30, Golden Rule Circle; 8, Christian church services.
KFUO, St. Louis, Mo. (545.1m-550kc), 9:15 p. m., musical program.
KLDS, Independence, Mo. (440.9m-680kc), 6:30 p. m., services; Walnut Park quartet; 9:15, services; Walnut Park choir.
KMA, Shenandoah, Iowa (461.3m-650kc), 8:30-9:30 a. m., services; 4-5 p. m., sacred music.
KMOX, St. Louis, Mo. (280.2m-1070kc), 9 p. m., Skouras Brothers Sunday night club.
KPRC, Houston, Texas (296.9m-1010kc), 10:50 a. m., First Methodist church; 7:30 p. m., chimes, Edith Brown; 8, St. Paul Methodist church; 9:30, studios; 11, pipe organ, J. Benson Carlysle.
KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 11 a. m.-12:15 p. m., First Baptist church; 9:10-10, classic hour program, Meyer Davis ensemble, soloists.
KVOO, Bristow, Oklahoma. (374.8m-800kc), 12:30-7 p. m., continuous program with pipe organ, Rev. Luper and his 20-piece string band, the Laughton family, classical, harps and violins, Oklahoma Cowboy band, old time tunes and the Cushing Military band; 7:30-9, Worship Hour.
KWCR, Cedar Rapids, Ia. (278m-1080kc), 11 a. m., St. Pauls Methodist Episcopal church, Walter L. Ewing, pastor; 5:15 p. m., Vesper services; 9:30, Sunshine Mission.
WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 10:50 a. m., Hennepin Avenue M. E. church; 4:10 p. m., House of Hope Presbyterian church; 7:15, WEAF; 9:30, St. Paul municipal organ recital, Hugo Philler Goodwin.
WAMD, Minneapolis, Minn. (243.8m-1230kc), 9:30 p. m., Arthur Faust, Leome Faust stock company.
WFAA, Dallas, Texas (475.9m-630kc), 6-7 p. m., Bible class; 7:15-8, Willard B. Muse, tenor; Ruth Muse, contralto; 8-9, City Temple service; 9-9:30, Waikiki school of music; 11-12, Cruz Family Symphonic orchestra.
WHAD, Milwaukee, Wis. (275.1m-1090kc), 3:15 p. m., Milwaukee Park Board band concert.
WHAS, Louisville, Ky. (399.8m-750kc), 9:57 a. m., organ prelude; 10, Broadway Baptist church; choir.
WHB, Kansas City, Mo. (365.6m-820kc), 9:40 a. m., Linwood Blvd. Christian church; 8-9, church services; 11:15, Linwood theater Radio feature; Don Anchors, poet.
WHO, Des Moines, Iowa (526m-570kc), 5-6 p. m., Bankers Life Little symphony orchestra; Stewart Watson, baritone; 7:30-8:30, Paul Christianson and his Fort Des Moines Hotel orchestra.
WMC, Memphis, Tenn. (499.7m-600kc), 11 a. m., St. Mary's Episcopal cathedral.
WOAI, San Antonio, Tex. (394.5m-760kc), 11 a. m., First Presbyterian Church, Rev. P. B. Hill, pastor; 7:45 p. m., Central Christian Church, Rev. John W. Darby, pastor.
WOAW, Omaha, Nebr. (526m-570kc), 9 a. m., chapel services; 1:30 p. m., Father Flanagan's boys' home period; 2:30, classical; 9, chapel service.
WSM, Nashville, Tenn. (282.8m-1060kc), 10:30 a. m., First Presbyterian church.
WSUI, Iowa City, Iowa (483.6m-620kc), 9 p. m., familiar hymns.

Sunday, August 8

Mountain Standard Time Stations

KOA, Denver, Colo. (322.4m-930kc), 11 a. m., First Baptist church; 5:30 p. m., organ recital; 8, open-air concert, Denver Municipal band.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Jim, Jack and Jean trio; 8-9, Aeolian organ; 9-10, Bob Bottger's Venetians; 10-11, Packard six dance orchestra.

KFWB, Hollywood, Calif. (252m-1190kc), 9-11 p. m., KFWB Sunday night movie frolic.

KGO, Oakland, Calif. (361.2m-830kc), 11 a. m., First Methodist Episcopal church service; 6:30-7:30 p. m., Bem's Little Symphony orchestra; 7:35, First Methodist Episcopal church service; Bessie Beatty Roland, organist; 9-10, Bem's Little Symphony orchestra.

KGW, Portland, Ore. (491.5m-610kc), 10:25 a. m., services; 7:30-9, evening service; 9-10, Chevrolet symphony orchestra.

KHJ, Los Angeles, Calif. (405.2m-740kc), 7-8 p. m., First M. E. church; 8-10, Orpheus Four male quartet.

KNX, Hollywood, Calif. (336.9m-890kc), 7-8 p. m., Circle theater organ and orchestra; 8-9, First Presbyterian church of Hollywood; 9-10:30 p. m., Program, Beverly Hills Nurseries.

KPSN, Pasadena, Cal. (315.6m-950kc), 10:30 a. m., United Church Brotherhoods; 10:50, First Baptist church of Pasadena.

Monday, August 9

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
8:45	7:45	6:45	5:45	4:45

WCAU (277.6m-1080kc), Merry Minstrels.

9	8	7	6	5

WAHG (315.6m-950kc), Janet Bush-Hecht, contralto.

11:10	9:10	8:10	7:10	6:10

KTHS (374.8m-800kc), Scotch and Irish folk music.

11:15	10:15	9:15	8:15	7:15

KOA (322.4m-930kc), Minstrel show.
KWWG (277.6m-1080kc), Dialogue, John Fanning, Lewis Pendergraft.

For stations silent tonight refer to first Monday's list.

Atlantic or Eastern Daylight Saving Time Stations

CKNC, Toronto, Can. (356.9m-840kc), 9 p. m., Eveready Salon orchestra; Arthur Bailey, tenor; Dwight Wilson, baritone.

WAHG, New York, N. Y. (315.6m-950kc), 7:30 p. m., Boy Scouts program; 8, Synchrophase hour; 9, Janet Bush Hecht, mezzo-contralto; 10:15, Frank Tremer's Orionites; 12, midnight variety program.

WBBR, New York, N. Y. (272.6m-1100kc), 8 p. m., Staten Island school of music; 8:10, R. S. Seklemian, baritone.

WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert, William Penn hotel; 7:40, Sunshine Girl; 9, dance music, Kennywood park; 10, Grand Opera.

WCAY, Philadelphia, Pa. (277.6m-1080kc), 7:30, Snellenburg recital; 8, Carolyn Thomas, soprano; 8:30, the Hood Bous; 8:45, Merry Minstrels; 9:30, Duke Meana, Hawaiian; 9:45, Chalfont Sisters, songs; 10:30, Campbell's orchestra.

WEAF, New York, N. Y. (491.5m-610kc), 4-12 p. m., Emily Rose Knox, violinist, Cyril Langlois, baritone, Rose Gonchar, pianist, tea music, dinner music from Hotel Waldorf-Astoria, Len Saxon, tenor, Meyer Davis' Park Lane orchestra, Goldman band concert, Waino Kauppi, cornetist, Grand Opera, "Samson and Deliah," Rolfe's Palais D'Or orchestra.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:45 p. m., Hotel Adelphia Roof Garden dance orchestra.

WGBS, New York, N. Y. (315.6m-950kc), 7 p. m., Contemporary Poets' series, Langston Hughes, negro poet; 7:10, music.

WHAR, Atlantic City, N. J. (275.1m-1090kc), 8 p. m., Seaside hotel trio; 11, Follies Bergere dance orchestra.

WHN, New York, N. Y. (361.2m-830kc), 6:30 p. m., Movie club; 7:30, Joe Ward's Swanee entertainers; 8, Roseland dance orchestra; 9, Leverich Three and "Peter the Great"; 9:15 p. m., "A Parlor Trick," Major Boughton; 9:20, Leverich Three and "Peter the Great"; 9:30, Loew's New York theater orchestra; 10, Palisades Amusement Park orchestra; 10:30, Leroy Smith's orchestra; 11:30, Club Alabam orchestra; 12 m., Silver Slipper orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 7, Uncle Wip's bedtime stories.

WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Hotel Madison dinner concert; 7:55, John B. Kennedy; 9, Maxwell House Coffee ensemble; 10:30, Harold Leonard's Waldorf-Astoria Roof orchestra.

WLIT, Philadelphia, Pa. (394.5m-760kc), 8 p. m., Short Agro Waves; 8:15, Starr company string trio; 9, Stanley hour of music; 10, Arcadia cafe dance orchestra; 10:30, Fay's vaudeville feature; 10:45, El Patio dance orchestra.

WLWL, New York, N. Y. (288.3m-1040kc), 9 p. m., question box.

WMAK, Buffalo, N. Y. (265.3m-1130kc), 7:30-8:15 p. m., Buffalo Athletic club program.

WMCA, New York, N. Y. (340.7m-880kc), 6:30 p. m., Ernie Golden and his Hotel McAlpin orchestra; 7:15, Ernie Golden and his Hotel McAlpin orchestra; 9:15, Hardman hour of music; 10:30, Hotel Shelburne orchestra; 11, Jack Denny's orchestra; 11:30, Club Brighton orchestra; 12 m., McAlpin entertainers.

WNYC, New York, N. Y. (526m-570kc), 6 p. m., piano selections.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Sylvania dance orchestra; 8, organ recital; 8:30, special Sesquicentennial concert; 10, WEAF; 11, Sam Brown's Devon Park hotel orchestra.

WOR, Newark, N. J. (405.2m-740kc), 6:15 p. m., Jacques Jacobs' Hotel Shelton ensemble; 7, Jacques Jacobs' Hotel Shelton ensemble; 7:30, Brooklyn Daily Eagle program; 8:15, Newark Philharmonic band; 9, Klein's serenading shoemakers; 10, Monterey society orchestra; 10:30, Monterey concert orchestra; 11:15, Ben Bernie and his Berkeley Carteret orchestra.

Eastern Standard or Central Daylight Saving Time Stations

WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., dinner orchestra; 7:30-8, quartet; 8-9, trio; 9-10, dance orchestra.

WGHB, Clearwater, Fla. (265.3m-1130kc), 8:30-10 p. m., Homer Moore recital; Homer Moore, baritone.

WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert; 8:30-9, quartet; 9-10, ensemble, soloists.

WJJD, Mooseheart, Ill. (370.2m-810kc), 4:45-7 p. m., dinner concert, Howard L. Peterson, organist, Palmer House Symphony players, Palmer House Victorians.

WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., Hotel Gibson orchestra; 7:40, concert orchestra; 8, concert, soloists; Wm. Morgan Knox, William Stoess, violinists; 9, Calumet Baking Powder and Rainbo Gardens hour.

WMAQ, Chicago, Ill., Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Jack Chapman's orchestra.

WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9 p. m., concert; 10:05, Van Wyck's instrumental quartet.

WRVA, Richmond, Va. (256.3m-1170kc), 9:10 p. m., sacred music, male chorus, pianist; 10:30, Golden Gate syncopators; 11:30, "Carry Me Back to Old Virginny."

WSAI, Cincinnati, Ohio (325.9m-520kc), 10 p. m., musical program.

WTAM, Cleveland, Ohio (389.4m-770kc), 6 p. m., Hollenden hotel orchestra; 8, studio program; 11, Emerson Gill and his orchestra.

WTIC, Hartford, Conn. (475.9m-630kc), 7:30 p. m., Goldman band concert; 9, grand opera hour; 10:03-10:30, Capitol theater organ.

WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7:30, Goldman band concert; 9, News orchestra.

Central Standard Time Stations

CKY, Winnipeg, Can. (384.4m-780kc), 10 p. m., Reliable and Maximite Battery hour of music; 11, Capitol theater revue.

KFAB, Lincoln, Nebr. (340.7m-880kc.), 5:30-6:30 p. m., dinner concert; 8:30-10:30, musical program.

KFH, Wichita, Kans. (268m-1120kc), 7:10 p. m., Gage Brewer's Hawaiians.

KFNF, Shenandoah, Ia. (461.3m-650kc), 7 p. m., concert, Henry Field Seed company.

KFUO, St. Louis, Mo. (545.1m-550kc), 9 p. m., musical program.

KMA, Shenandoah, Ia. (461.3m-650kc), 9-11 p. m., Corey and Carl.

KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., Jacquinot Jules, organist; 7, KMOX Radio orchestra; Buster's Saxophone quintet; 8, Colonel 6121; 9, 49th State etherlogue; 9:30, KMOX Radio orchestra; 10, operetta presentation.

KPRC, Houston, Tex. (296.9m-1010kc), 7:30 p. m., Records' Ramblers dance orchestra; 8:30-10, Skyline studios concert.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10-10 p. m., Scotch and Irish folk music, Meyer Davis orchestra; 10-10:30, Como Roof Garden dance orchestra.

KVOO, Bristow, Okla. (374.8m-800kc), 6-9 p. m., Mrs. J. C. Waver, "Oklahoma's sweetheart of the air," associate artists of Wagoner, Okla.

KWCR, Cedar Rapids, Iowa (278m-1080kc), 4:15 p. m., musical hour and fashion talk by Denecke stores 9, studio program.

KWWG, Brownsville, Texas (277.6m-1080kc), 8:30-8:50 p. m., Roy Garcia, violinist; Mrs. C. Davenport, contralto; 8:50-9, Hawaiian songs, George Desha; 9-9:05, Mrs. F. Schmidt; 9:15-9:30, dialogue, John Fanning, Lewis Prendergraft; 12:01-1 a. m., novelty and jazz.

WAMD, Minneapolis, Minn. (243.8m-1230kc), 7:15 p. m., popular program; Melody Mbons' orchestra; Earl Haubrich, baritone; Julia Barr, soprano; 9, Gayle Wood, pianist; 10, Skyrocket frolic, orchestra.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6:15 p. m., St. Paul hotel concert orchestra; Selma Erickson, soprano; 7:30, Radio scouts' hour; 8, WEAF; 9, Scandinavian ensemble; Annette Yde Lake, soprano.

WFAA, Dallas, Tex. (475.9m-630kc), 6:30-7:30 p. m., Blue Devils orchestra; 8:30-9:30, agricultural program.

WHAD, Milwaukee, Wis. (275m-1090kc), 6:10 p. m., Arthur Richter, organist; 8:30, Cliff Borchardt, baritone; Vent Callahan, harmonica soloist.

WHB, Kansas City, Mo. (365.6m-820kc), 7-8 p. m., Sweeney Radio orchestra.

WHO, Des Moines, Ia. (526m-570kc), 7:30-8 p. m., Philbreck and his Younker tea-room orchestra; 8-9, Bankers Life trio, soloists to be announced.

WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Joe Bennett's Moonlight syncopators; 9, Clark Tate.

WOAI, San Antonio, Tex. (394.5m-760kc), 4:30 p. m., Straus-Frank pianologue program; 8:30, Sunshine Laundry orchestra.

WOAW, Omaha, Nebr. (526m-570kc), 6 p. m., Hugo Heyn, marimba; Emil Hoffmann, pianist; 6:50, orchestra; 9, classical.

WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., dinner concert, Andrew Jackson hotel trio; 8, Mrs. Eva Thompson Jones, contralto; Mrs. W. Dumm, soprano; Eleanor Horn, pianist; 10, Vito and his Radio Seven.

WSUI, Iowa City, Ia. (483.6m-620kc), 8 p. m., musical program.

Mountain Standard Time Stations

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., dinner concert, Brown Palace string orchestra; 8, instrumental program, Scheuerman's orchestra; 8:15, minstrel show, music.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Owen Fallon's Californians; 8-9, classical song hour; 9-10 ,program, Walter M. Murphy Motors company, KPO; 10-11, program, Meiklejohn Bros.

KFWB, Hollywood, Calif. (252m-1190kc), 7:30-8 p. m., Dr. Ralph Mitchell and Associated Dentists; 8-9, program, Sealy Mattress company; 9-10, program, American Dye Works, Inc.; 10-11, Warner Brothers frolic.

KGO, Oakland Calif. (361.2m-830kc), 6 p. m., Bem's Little Symphony orchestra; 8 p. m., Amphion trio.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-9, organ recital; 9-10, vaudeville entertainment; 10-12 midnight, Spanish ballroom.

KLX, Oakland, Cal. (508.2m-590kc), 8-9 p. m., studio program; 9-10, Meeting of Protective Order of Lake Merritt Ducks.

KNX, Hollywood, Calif. (336.9m-890kc), 7-7:30 p. m., Studio program; 7:30-8 p. m., Overell's Furniture company program; 8-9, L. W. Stockwell program; 9-10, Julian Pete program; 10-11, M. Weinstein program with Alexandria hotel dance orchestra; 11-12, Ambassador hotel dance orchestra.

Tuesday, August 10

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
8:15	7:15	6:15	5:15	4:15

WEBJ (272.6m-1100kc), Whispering serenader.

9:05	8:05	7:05	6:05	5:05

WLS (344.6m-870kc), Sherwood Music hour.

9:30	8:30	7:30	6:30	5:30

WHAS (399.8m-750kc), The Cardinals.

10	9	8	7	6

WBAL (245.9m-1220kc), Municipal band of Baltimore.
WHB (365.6m-820kc), Ukulele songsters.
WLW (422.3m-710kc), Formica concert.

12	11	10	9	8

KTHS (374.8m-800kc), French harp tunes.

12:15	11:15	10:15	9:15	8:15

WOAW (526m-570kc), Radio movie club.

For stations silent tonight refer to first Tuesday's list.

Atlantic or Eastern Daylight Saving Time Stations

WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert, William Penn hotel; 8, WEAF; 10:30, dance music.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30 p. m., Snellenburg instrumental trio; 8, theater digest; 8:10, The Three Brothers; 8:25, recital; 8:45, Higgins and Burke, songs; 9, Kuehnle's artists; 9:40, Eddie Malle's entertainers; 10, Cathay orchestra.

WEAF, New York, N. Y. (491.5m-610kc), 4-12 p. m., Musical program, tea music, dinner music from Hotel Waldorf-Astoria, Gorden male quartet, Salon concert, "Gold Dust Twins," "Eveready Hour," Moment Musicale, Jack Albin's Hotel Bossert orchestra, Frank Farrell and his Greenwich Village Inn orchestra.

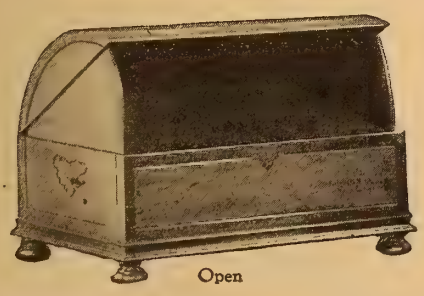
WEBJ, New York, N. Y., (272.6m-1100kc), 7 p. m., Clarence Williams trio; 7:30, Luna's Knickerbocker Grill orchestra; 8:15, Billy Day, whispering serenader; 8:30, Luna's marine band.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:45 p. m., Adelphia Roof Garden dance orchestra; 8-10:30, WEAF; 10:30, Jack Albin and orchestra.

WGBS, New York, N. Y. (315.6m-950kc), 6 p. m., Uncle Gebee; 7, Arrowhead Inn concert orchestra; 8, Episcopal Actor's Guild play; 8:30, Daca, Cowboy Composer; 10:30, Arrowhead Inn dance orchestra.

WHAR, Atlantic City, N. J. (275.1m-1090kc), 8 p. m., Seaside hotel tr o.

WHN, New York, N. Y. (361.2m-830kc), 7:30 p. m., Will Oakland's Chatheau; 8, Treasureland Home Owners ensemble; 9:30, Loew's 83rd Street theater



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Velvet Radio Speakers

Tuesday, August 10

orchestra; 10:30, Strand Roof orchestra; 11-11:30 p. m., Sophie Tucker's Playground orchestra; 12 m., Charm Club orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 7, Uncle Wip's bedtime stories; 8, Steeplechase Pier dance orchestra; 8:30, Steel Pier Minstrels; 9, Chalfonte-Hadden Hall dual trio; 10, Emo's movie talk; 10:20, Cummin's Kentuckians dance orchestra; 11, Silver Slipper supper club dance orchestra; 11:30, Seattle Harmony Kings dance orchestra.

WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Frank Dole; 7:20, Harold Leonard's Waldorf-Astoria Roof orchestra; 8:30, Delilah Pearl hour; WGY, WRC, 9, Pennsylvania Railroad hour; WRC and WGY; 10:45 p. m., George Olsen's Hotel Pennsylvania Roof orchestra.

WLIT, Philadelphia, Pa. (394.5m-760kc), 7:30 p. m., El Patio dance orchestra.

WLWL, New York, N. Y. (288.3m-1040kc), 9:15 p. m., Manuel Compinsky, violinist; 9:30, Premier male quartet.

WMCA, New York, N. Y. (340.7m-880kc), 9 p. m., Beau Rivage orchestra; 9:30, Columbia Park entertainers; 10:30, Hotel Shelburne orchestra; 11 p. m., Ernie Golden and his Hotel McAlpin orchestra; 12 m., McAlpin entertainers.

WNYC, New York, N. Y. (526m-570kc), 7:10 p. m., Piano selections.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Sylvania dance orchestra.

WOR, Newark, N. J. (405.2m-740kc), 6:45 p. m., Hotel Bretton Hall string quartet.

Eastern Standard or Central Daylight Saving Time Stations

KYW, Chicago, Ill. (535.4m-560kc), 7 p. m., music hour, Evening American; 8, American Farm bureau federation; 9-10:30, classical concert; 10:30-12, Congress Carnival, Art Linick, Eddie and Fannie Cavanaugh.

WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., dinner orchestra; 7:30-8, Mandolin orchestra; 8-9, staff concert; George Bolek, pianist; Katherine Whitelock, violinist; 9-10, Municipal band.

WCBD, Batavia, Ill. (344.6m-870kc), 9 p. m., Cornet quartet; vocal trio; Mr. and Mrs. J. D. Thomas, duets; Miss Peterson, Mrs. Sparrow; John D. Thomas, baritone; Ida Peterson, soprano; Louise Burgess, reader.

WEBH, Chicago, Ill. (370.2m-810kc), 7-8 p. m., Edgewater Beach hotel orchestra; 9:10-10, Uptown theater; 11-12:30, frolic.

WGHB, Clearwater, Fla. (265.3m-1130kc), 7-8:30 p. m., Capitol theater orchestra.

WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert; 8:30-9, studio program; 9:10 Skylark dance band.

WGN, Chicago, Ill. (302.8m-990kc), 6:15-6:45 p. m., Uncle Walt's Punch and Judy; 6:45-7, Drake concert ensemble, Blackstone string quintet; 8-9, WEAF; 9-10, Great moments from grand opera; 11, studio musicale.

WGY, Schenectady, N. Y. (379.5m-790kc), 6:45 p. m., agricultural program; 7:30-9:30, WJZ.

WHT, Chicago, Ill. 399.8m-750kc), 7-8:30 p. m., studio program, Lenore Leonard, soprano; Katherine Toray, pianist; Riverview Radio Melody Masters; 8:45-10:15 (238m-1260kc), Helen Rauh, organist; poems, Stuart Dawson; Peter Grosse, tenor; Ernest Melbye, pianist; Ann Christense, soprano; Riverview orchestra; 10:30-1, (399.8m-750kc), Bel Canto male quartet; Ann Slack, cellist; Isabelle Simpson, soprano; Darn Good and Dirty; your league hour.

WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., dinner concert; artists, string ensemble; 12 m., midnight jamboree; Oriole dance orchestra; Marie Tully, Wayne Myers, Jack Goodwin.

WJAZ, Chicago, Ill. (329.5m-910kc), 9-12 mid., The Quips that Pass in the Night, William Hayden, tenor; Henrietta Nolan, violinist; Francis Rosemary Sheib, soprano.

WJJD, Mooseheart, Ill. (370.2m-810kc), 4:45-7 p. m., Dinner concert, Howard L. Peterson, organist, Palmer House Symphony players, Palmer House Victorians; 7-9, Mooseheart studio, Music by children of all ages; solos, bands, etc; 9-11, Palmer House Victorians, Clarence Harper, 11:30-12:30, Settin' Up Hour.

WLIB, Chicago, Ill. (302.8m-990kc), 7 p. m., Million sing; 7:05, Old Fashioned Almanack; 7:15, Drake concert ensemble, 7:30, WEAF; 11-1, Ambrose Larsen, organist; Bobby Meeker's Drake hotel dance orchestra.

WLS, Chicago, Ill. (344.6m-870kc), 8:05 p. m., Sherwood Music hour.

WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., Mary Barbara, Sweetheart of Radio; 7:30, Castle Farm dinner music; 8:15, Crosley Burnt Corkers; 9, Formica concert.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Jack Chapman's orchestra; 9, Lillian Pringle, violincello; 9:30, Jack Chapman's orchestra; 9:45, Burpan Homes.

WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon ensemble; operatic program, Genevieve Burnham; 9-11, Trianon orchestra; ensemble; popular program.

WOK, Chicago, Ill. (217.3m-1380kc), 6-8 p. m., Tip Top Inn string ensemble concert; 8-12, dance orchestra, studio program.

WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9 p. m., "Ye Olde Tyme Songe Feste," popular artists, instrumental quartet; 9:45, Melissa Dvorak, pianist; 10:05, studio program.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., dinner concert, Rainbo Gardens orchestra; Leon Miller, violinist; Milton Shurman, pianist; 10-12 a. m., Rainbo Gardens orchestra; First National violin quartet; artists.

WRC, Washington, D. C. (468.5m-640kc), 7 p. m., New Willard hotel orchestra; 7:30-9:30, WJZ; 9:30, WRC Players; 10:30, Meyer Davis' Le Paradis band.

WSAI, Cincinnati, O. (325.9m-520kc), 7 p. m., salon concert, WEAF; 7:30, musical program, Charles Partington, accordionist; 8, WEAF; 9, musical program.

WSWS, Chicago, Ill. (275.8m-1090kc), 8 p. m., Terrace Garden orchestra; Walter Levis, baritone; Eulalia Kober, pianist; Ilona Kincz, songs; ballads, Jean St. Ann; Georgia Gray, violinist; 10, orchestra; Hugh Aspinwall, Zola Haynes, Matthews sisters; Joe Coffey, tenor; 12, Witching hour; Gus Edwards' orchestra; Henri Therrien, tenor.

WTAM, Cleveland, O. (389.4m-770kc), 6 p. m., State theater vaudeville, music; 7:10, WEAF; 10, studio program; 11, Euclid Beach Park orchestra.

WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7, WEAF.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., dinner concert; 8:05-10:30, University of Nebraska program.

KFNF, Shenandoah, Ia. (461.3m-650kc), 7 p. m., program, Tabor, Iowa.

KLDS, Independence, Mo. (440.9m-680kc), 8 p. m., studio program, Marcine Smith, soprano.

KMA, Shenandoah, Ia. 461.3m-650kc), 9-11 p. m., May's Madolin musicians.

KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., Jacquinot Jules, organist; 7, KMOX Radio orchestra; 8, KMOX Radio orchestra; 9, KMOX orchestra; "The Melting Pot," presentation, Dwight Nelson; 10, orchestra.

KPRC, Houston, Tex. (296.9m-1010kc), 8:30-10 p. m., Skyline studios concert.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:20-10, dance concert, Meyer Davis orchestra; 10-10:15, French harp tunes, Bill Hinton.

KVOO, Bristow, Okla. (374.8m-800kc), 6-9 p. m., Jimmie Wilson and his Catfish string band. WOAI, San Antonio, Tex. (394.5m-760kc), 4:30 p. m., Strauss-Frank pianologue program; 8:30, Gerhardt Mexican players.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6:30 p. m., WEAF; 8, Ruth Lewis ensemble; Arnold Dahl, baritone; 9:30, Izaak Walton league.

WFAA, Dallas, Tex. (475.9m-630kc), 6:30-7:30 p. m., Tom D. Collin's orchestra; 8:30-9:30, Edwin Lisman, bass; 11-12, Jimmy Joy's orchestra.

WHAD, Milwaukee, Wis. (275-1090kc), 6:10 p. m., dinner hour program; 8:30, Wisconsin theater review.

WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., The Cardinals, music.

WHB, Kansas City, Mo. (365.6m-820kc), 7-7:30 p. m., dinner hour organ concert; 8-9, Ukulele songsters, Harry Taylor, Sam Martin, Lillian Valentine, Mrs. Harry Taylor.

WHO, Des Moines, Ia. (526m-570kc), 7:30-9 p. m., Fourteenth Cavalry band.

WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., William Newton; 11, Britling's Cafeteria orchestra.

WOAW, Omaha, Nebr. (526m-570kc), 6:20 p. m., popular song period; 6:50, orchestra; 9, program; 10:15, movie club.

WSM, Nashville, Tenn. 282.8m-1060kc), 8 p. m., studio program.

Mountain Standard Time Stations

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., dinner concert, Brown Palace string orchestra.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Virginia ballroom orchestra; 8-9, Grand opera program; 9-10, varied musical program; 10-11, Packard Radio club in popular songs.

KFWB, Hollywood, Calif. (252m-1190kc), 7-7:30 p. m., program, Morris and company; 8-9, program, Paint-Off corporation; 9-10, Bill Hatch and his dance orchestra; 10-11, Warner Brothers frolic.

KGO, Oakland, Calif. (361.2m-830kc), 6 p. m., Bem's Little Symphony orchestra; 8-9, Eveready program; Rickety Rackety Radio minstrels; Strollers male quartet; valencia trio; 9-10, Pilgrim's hour.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., Skaggs United Artists; 10-12 midnight, Herman Kenin's dance orchestra; Curt Kramer, pianist.

KHJ, Los Angeles, Calif. 405.2m-740kc), 6:30-7:30 p. m., weekly visit of Queen Titania and her Sandman; 8-10, Frederick MacMurray, viola soloist and others; 10-11, L. A. Ry. dance orchestra.

KNX, Hollywood, Calif. (336.9m-890kc), 7-7:45 p. m., John A. Vaughn corpl.; 8-9, program, Builder's Finance ass'n; 9-10, Western Auto Supply company; 10-11, Edgewater club; 11-1 a. m., Ambassador hotel dance orchestra.

KPSN, Pasadena, Calif. (315.6m-950kc), 8-9 p. m., Star-News concert hour, ensemble; George Frenger, tenor.

Wednesday, August 11

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
8	7	6	5	4

WEBJ (272.6m-1100kc), Dixie Daisy entertainers.

9:15	8:15	7:15	6:15	5:15

WAHG (315.6m-950kc), Drawing room concert.

10	9	8	7	6

WHO (526m-570kc), Four Horsemen, quartet.
WSM (282.8m-1060kc), Ensemble singers.

10:30	9:30	8:30	7:30	6:30

KFAB (340.7m-880kc), Request night program.

11	10	9	8	7

WLW (422.3m-710kc), "Pink of Programs."

11:15	10:15	9:15	8:15	7:15

KOA (322.4m-930kc), Variety program for every listener.

11:30	10:30	9:30	8:30	7:30

KMOX (282.8m-1070kc), "A Night in Venice."

For stations silent tonight refer to first Wednesday's list.

Atlantic or Eastern Daylight Saving Time Stations

WAHG, New York, N. Y. (315.6m-950kc), 7:45 p. m., studio program; 8:45, Gordon male quartet; 9:15, drawing room concert, Ralph Lane, lyric tenor; Milton Schwartz, violinist; Milton Katz, pianist; 10, Good Humor Boys; 10:30, dance music.

WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert; 8, WEAF, 9, dance music; 10, WEAF.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30 p. m., Snellenburg recital; 8, Hotel Pennsylvania orchestra; 8:30, Miller piano period; 9, songs; 9:30, Charles Borelli, songs; 9:45, Senator Hassenpfeffer; 9:50, Maurice Patton, tenor; 10, recital; 10:30, Carl Zohrns, Lou Herscher, songs; 10:45, Frank Cook, old-time songs; 11, recital.

WEAF, New York, N. Y. (491.5m-610kc), 4-12 p. m., Bella Katz, violinist; tea music; dinner music from Hotel Waldorf-Astoria; concert by U. S. Army band; Davis' Saxophone octet; Ipana Troubadours; South Sea Islanders; "Doctor of Alcantara" by WEAF light opera company; Pelham Heath Inn orchestra.

WEBJ, New York, N. Y. (272.6m-1100kc), 8 p. m., Dixie Daisy entertainers; 8:45, Sara V. Turits, soprano; 9, Milton Yokeman, tenor; 9:15, Kathryn Connolly, soprano; 9:30, Ormond Ace.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:45 p. m., Adelphia Roof Garden dance orchestra.

WHN, New York, N. Y. (361.2m-830kc), 7:30 p. m., Loew's Lexington theater organ recital; 9, Loew's New York theater orchestra; 9:30, Loew's 7th Avenue concert; 10, Roseland dance orchestra; 10:30, Palisades Amusement Park orchestra; 11:30 p. m., Silver Slipper orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 7, Uncle Wip's bedtime stories.

WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Hotel Madison concert orchestra; 8, Imperial Imps; 8:30, Stadium Philharmonic concert; 10:30, Hotel Astor Roof orchestra.

WLIT, Philadelphia, Pa. (394.5m-760kc), 7:30 p. m., Ben Franklin concert orchestra; 8, recital; 10, Arcadia cafe dance orchestra.

WLWL, New York, N. Y. (288.3m-1040kc), 9 p. m., Alfred Losinski, pianist.

WMAK, Buffalo, N. Y. (265.3m-1130kc), 7:30-8:05 p. m., Eastman theater program; 8:05-9, WHAM studio program; 9-10, musical program.

WMCA, New York, N. Y. (340.7m-880kc), 6:30 p. m., Ernie Golden and his Hotel McAlpin orchestra; 7:15, Ernie Golden and his Hotel McAlpin orchestra; 11, Jack Denny's orchestra; 11:30, Club Brighton orchestra; 12 m., McAlpin entertainers.

WNYC, New York, N. Y. (526m-570kc), 6:10 p. m., piano selections.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Sylvania dance orchestra; 8, WEAF; 9:30, South Sea Islanders; 10, Fox theater concert; 10:30, Sam Brown's Devon Park hotel orchestra.

WOR, Newark, N. J. (405.2m-740kc), 6:15 p. m., Jacques Jacobs' Hotel Shelton ensemble; 7, Jacques Jacobs' Hotel Shelton ensemble; 9, Arthur Pryor's band; 9:45, Monterey Society orchestra; 10:30, special features; 10:45, Monterey society orchestra; 11:15, Ben Bernie's Berkeley Carteret orchestra.

Eastern Standard or Central Daylight Saving Time Stations

KYW, Chicago, Ill. (535.4m-560kc), 7 p. m., music hour; 9-10:30, classical program, Commonwealth Edison; 10:30-12, Congress Carnival.

PWX, Havana, Cuba (400m-750kc), 8-10 p. m., Military band music.

WEBH, Chicago, Ill. (370.2m-810kc), 7-8 p. m., dinner concert; 9:15-10, orchestra; popular artists; 11-12:30, frolic.

WGHB, Clearwater, Fla. (265.3m-1130kc), 8:30-10 p. m., Caroline Lee, "The Virginia Girl" and her Spanish guitar; Bob Houts, baritone; Marion Hoffman, concert pianist.

WGHP, Detroit, Mich. (270.1m-1110kc), 8:30-9 p. m., Campers' half hour; 9-10, ensemble.

WGN, Chicago, Ill. (302.8m-990kc), 6:15 p. m., Punch and Judy; 6:45-7, Drake Concert ensemble, Blackstone string quintet; 8:30-8:45, musicale; 8:45-10, Arabian Night's entertainment; 10, feature; 10:10, Music Box; 10:20, studio program; 10:30-12:30, Pepper Party.

WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., Eastman theater orchestra; 7:15, program, WHAM.

WHT, Chicago, Ill. (399.8m-750kc), 7-8:30 p. m., Al Carney, organist; Josephine Reidy Bell, soprano; Howard Hanks, pianist; 8:45-10:15 (238m-1260kc), Helen Rauh, organist; poems, Stuart Dawson; Mary Netwig, soprano; Jane Andrews, reader; Jackie Schneider, pianist; Tom Schneider, baritone; 10:30-1 (399.8m-750kc), Al Carney, organist; Marie Wright, soprano; Al and Pat.

WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., dinner concert, string ensemble, artists; 10-12, popular program; Oriole orchestra; regular artists.

WJAZ, Chicago, Ill. (329.5m-910kc), 9-11 p. m., musical program; 11, program, for Commander Donald B. McMillan.

WJJD, Mooseheart, Ill. (370.2m-810kc), 4:45-7 p. m., Dinner concert, Howard L. Peterson, organist, Palmer House Symphony players, Palmer House Victorians; 7-9, Music by children of all ages; bands, solos, etc.; 9-11, Palmer House Victorians, Isabel Defaut, John Norton; 11:30-12:30, Settin' Up Hour.

WLIB, Chicago, Ill. (302.8m-990kc), 7:15 p. m., Drake concert ensemble, Blackstone string quintet; 7:30-7:50, Pattison Coates, baritone; Edward Barry, pianist; 7:50, Auld Sandy; 8-8:30, Ipana Troubadours; 12:30-1, Ambrose Larsen, organist.

WLS, Chicago, Ill. (344.6m-870kc), 6:45 p. m., College Inn orchestra; 7:20, Rose Sherman, violinist; Marie Ludwig, harpist; 7:30, Ralph Emerson, organist; 8:10, College Inn orchestra; 8:30, band concert, Columbus Park; 9, WLS trio; 9:30, band concert; 9:45, Midwest quartet; 10, popular program.

WLW, Cincinnati, O. (422.3m-710kc), 7 p. m., Hotel Gibson orchestra; 7:40, concert; 10, Pink of programs; 11, Page's Royal Elk syncopators.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Jack Chapman's orchestra; 8:30, Whitney trio; 9, WMAQ players.

WMBB, Chicago, Ill. (394.5m-1200kc), 7-8 p. m., Trianon orchestra; Borden Brothers, Sandy McTavish, Grace Frost, popular program.

WOK, Chicago, Ill. (217.3m-1380kc), 6-8 p. m., Tip Top Inn string ensemble concert; 8-12, dance orchestra, Capitol theater program; studio program.

WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9 p. m., Willard Battery hour, popular artists; Ramona Gardens orchestra, instrumental quartet; 10:05, Paul Estabrook and artists.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Garden concert orchestra; 10-2 a. m., Rainbo Garden orchestra; character songs, Joe Warner; Harmony duo; First National violin quartet; artists.

WRVA, Richmond, Va. (256.3m-1170kc), 8:45 p. m., piano recital; 9, Smithers Hawaiian trio; 9:30, hymns, sacred music; 10, organ recital; 11, Carry Me Back to Old Virginny.

WSAI, Cincinnati, O. (325.9m-520kc), 6 p. m., Atkinson Rupp quartet; 6:45, chime concert, Robert Badg-

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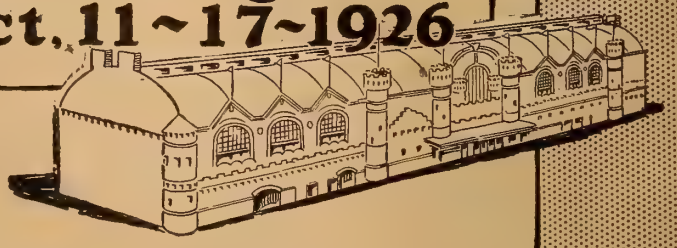

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"GO TO THE RADIO SHOW"

Wednesday, August 11

ley; 7-8:30, WEAF; 8:30-9, musical program; 11:15, Congress Playing Card string quartet.
WSWS, Chicago, Ill. (275.8m-1090kc), 8 p. m., Terrace Garden orchestra; John McFarland, basso; Peter Grosso, tenor; Georgia Gray, violinist; Clinton Keithley, songster; 10, Terrace Garden orchestra; Jack Goodwin, Paul Davis, ballads; Zola Haynes, pianist; medleys, Art Becker; 12, Witching hour.
WTAM, Cleveland, Ohio, (389.4m-770kc), 6:15 p. m., Hotel Cleveland orchestra; 8, Public Auditorium program; 11, Jack Horwitz Collegian serenaders.
WTIC, Hartford, Conn. (475.9m-630kc), 7:30 p. m., Capitol theater orchestra; 7:50, "Golf," Jack Staite; 8, Travelers Jongleurs, Unknown Troubadour; 9, Colt Park Municipal dance orchestra; 9:30, Emil Heimberger's Hotel Bond dance orchestra.
WWJ, Detroit, Mich. (352.7m-850kc), 7 p. m., WEAF; 7:30, News orchestra; 8, WEAF; 9, News orchestra.

Central Standard Time Stations

CKY, Winnipeg, Can. (384.4m-780kc), 9 p. m., Canadian National Railways' program, CNRW.
KFAB, Lincoln, Nebr. (340-7m-880kc), 8:30-10:30 p. m., request night program.
KFH, Wichita, Kans. (268m-1120kc), 7 p. m., saxophone octet; 7:30, Jimmie White and Howard Fordham, singing Serenaders.
KFNF, Shenandoah, Ia. (461.3m-650kc), 7 p. m., concert, Henry Field Seed company.
KFUO, St. Louis, Mo. (545.1m-550kc), 9:15 p. m., address, musical program.
KMA, Shenandoah, Ia. (461.3m-650kc), 9-11 p. m., mixed deluxe program.
KMOX, St Louis, Mo. (280.2m-1070kc), 6:30 p. m., Jacquinot Jules, organist; 7, KMOX Radio orchestra; popular songsters, Dr. J. L. Bischof, Alma Rotter; 8:30, KMOX Radio orchestra; 9, song cycle, "Germany," Mrs. Karl Kimmel; 9:30-11:30, "A Night in Venice," KMOX staff.
KPRC, Houston, Tex. (296.9m-1010kc), 7:30 p. m., studio concert.
KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9-9:10, Edward Richter, cellist; John Heyn, pianist; New Arlington hotel orchestra.
KVOO, Bristow, Okla. (374.8m-800kc), Radio trio, Mascho, Cunningham and Mascho, featuring little Jack Mascho, the youngest Radio entertainer in the world.
KWCR, Cedar Rapids, Ia. (278m-1080kc), 4:15 p. m., musical hour and fashion talk by Denecke stores; 9, studio program.
WAMD, Minneapolis, Minn. (243.8m-1230kc), 7:15 p. m., classical hour; Tirzah Ferguson, violinist; Cora Uglem, pianist; Helen Heiderich, coloratura soprano.
WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 7 p. m., WEAF; 8, Lake Harriet Church of Christ; 9, Venetian trio; John Carson, ocarina; Eva Maud Downing, reader.
WHAD, Milwaukee, Wis. (275m-1090kc), 6:10 p. m., Arthur Richter, organist; 8, Milwaukee Park Board band concert; 11:30, Wisconsin theater midnight organ recital.
WHAS, Louisville, Ky. (399.8m-750kc), 7:30-8 p. m., Old Time Fiddler, Frank Hodges; 8:05-9, St. Paul's church orchestra.
WHB, Kansas City, Mo. (365.6m-820kc), 7-8 p. m., Yeoman orchestra; 10:30-11:30, midweek musicale.
WHO, Des Moines, Ia. (526m-570kc), 6-7 p. m., Bankers Life Little symphony orchestra; Myrtle Williams, soloist; 7-8, Paul Christianson and Hotel Fort Des Moines orchestra; 8-9, The Four Horsemen, male quartet, Paul Blakemore, Ed Chase, mandolin and piano, Jack Smock, whistler, Wendall Willett, pianist; 9-11, Philbreck and his orchestra.
WOAI, San Antonio, Tex. (394.5m-760kc), 4:30 p. m., Straus-Frank pianologue program; 8:30, Army night program from Fort Sam Houston.
WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., dinner concert, Andrew Jackson hotel trio; 8, Peabody ensemble singers; 10, Dutch Ehrhart and his orchestra.
WSUI, Iowa City, Ia. (483.6m-620kc), 8 p. m., musical program.

Mountain Standard Time Stations

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., dinner concert, Brown Palace string orchestra; 8, instrumental program; 8:15, studio program; KOA orchestra, saxophone band; Everett Foster, baritone; Nick Palizzi, accordion soloist; E. Reed, reader; two pianos, Margaret Henderson, G. Ralph Crowder; Mildred Kyffin, contralto; Morris Cook, flutist; Perry Nelson, saxophonist.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-7:30 p. m., Westerland trio; 7:30-8, Nick Harris detective story; 8-9, program, California Petroleum corp.; 9-10, varied program; 10-11, program arranged by Charles Beauchamp, tenor.
KFWB, Hollywood, Calif. (252m-1190kc), 7-8 p. m., Corduroy Tire Stores, Inc.; 8-9, studio program; 9-10, KFWB Syncopators and entertainers; 10-11, Warner Brothers' frolic.
KGO, Oakland, Calif. (361.2m-830kc), 6 p. m., Bem's Little symphony orchestra.
KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-9, Western Auto Supply company; 9-10, musicale.
KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., children's hour, Uncle John; 8-10, pupils, Zoellner Conservatory of Music; 10-11, Jerry Grant and his orchestra.
KLX, Oakland, Calif. (508.2m-590kc), 9-10 p. m., special program.
KNX, Hollywood, Calif. (336.9m-890kc), 7-8 p. m., feature program; 8-9, Security Trust and Savings bank program; 9-10, California Transit company program; 10-11, Edgewater club; 11-12, Ambassador hotel dance orchestra.

Thursday, August 12

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
9	8	7	6	5

CKNC (356.9m-840kc), A and B Battery Brothers.

10	9	8	7	6

WHB (365.6m-820kc), K. S. Artists symphonic string quartet.

10:30	9:30	8:30	7:30	6:30

WHAD (275.1m-1090kc), Milwaukee Tour club.

12	11	10	9	8

KGO (361.2m-830kc), Vacation program.

2	1	12	11	10

KHJ (405.2m-740kc), Heffner's Sunnyland Seven.

For stations silent tonight refer to first Thursday's list.

Atlantic or Eastern Daylight Saving Time Stations

CKNC, Toronto, Can. (356.9m-840kc), 8 p. m., Charles Boley and his dance orchestra.
WBBR, New York, N. Y. (272.6m-1100kc), 8 p. m., Prof. Charles Rohner, violinist; Walter Stoll, tenor.
WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert; 8, WEAF.
WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30 p. m., Snellenburg Symphony orchestra; 8, Saddler's Plantation serenaders; 8:30, Clifton's Anglers; 8:45, Getz'z Go-Getters; 9:30, Musical Chefs; 9:45, Professor Doolittle; 10, recital; 10:30, Eddie Campbell's orchestra; 11, Club Cadix revue.
WEAF, New York, N. Y. (491.5m-610kc), 4-12 p. m., Dora Gutentog, pianist, tea dance music by the New Yorkers, dinner music from Hotel Waldorf-Astoria, Mid-week hymn sing, Meyer Davis' Park Lane orchestra, "The Serenaders," "Clicquot club eskimos," Silvertown Cord orchestra, Frank Farrell and his Greenwich Village Inn orchestra.
WFI, Philadelphia, Pa., (394.5m-760kc), 6:45 p. m., Adelphia Roof Garden dance orchestra; 7:15, Keystone Auto club features; 8, serenaders; 8:30 WEAF.
WGBS, New York, N. Y. (315.6m-950kc), 6 p. m., Uncle Geebee; 6:30, music; 6:45, George Hall's Royal Arcadians; 7:20, George Hall's Royal Arcadians, 8:45, WGBS string ensemble; 10, George Hall and his Royal Arcadians, Wm. C. Pike's orchestra.
WHAR, Atlantic City, N. J. (275.1m-1090kc), 8 p. m., Seaside hotel trio; 9, studio concert; 11, Follies Bergere dance orchestra.
WHN, New York, N. Y. (361.2m-830kc), 8:00 p. m., Will Oakland's Chateau; 8:30, Loew's Gates theater overture, vaudeville; 9:30, Loew's 83rd Street theater orchestra; 10:30, Leroy Smith's orchestra; 11, Club Alabam orchestra; 11:30, Everglades orchestra; 12 m., Sophie Tucker's Playground orchestra.
WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 7, Uncle Wip's bedtime stories; 8, concert, Marine studio; 9, hotel Traymore concert orchestra; 8:30, Hotel Ambassador concert orchestra; 10, Steeplechase Pier dance orchestra; 10:30, George Olson's dance orchestra; 11, Fry's dance orchestra; 11:03, Silver Slipper Supper club dance orchestra; 12, organ recital.
WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Hotel Madison concert orchestra; 7:40, Judge, Jr.; 8, First Nation Presentation, WRC; 8:30, WRC; 9:30, WRC; broadcast, 10:30. The Fireside Boys, 11, Swanee orchestra, WRC.
WMCA, New York, N. Y. (340.7m-880kc), 8 p. m., Roemer's Homers; 9, Solow Soloists; 9:30, Columbia Park entertainers; 11, Ernie Golden and his Hotel McAlpin orchestra; 12 m., Broadway night.
WNYC, New York, N. Y. (526m-570kc), 7 p. m., piano selections.
WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Sylvania dinner dance orchestra.
WOR, Newark, N. J. (405.2m-740kc), 6:45 p. m. Jaques Jacobs' Hotel Shelton ensemble.

Eastern Standard or Central Daylight Saving Time Stations

KYW, Chicago, Ill. (535.4m-560kc), 7 p. m., music hour; 9-10:30, classical concert; 10:30-12 Congress carnival.
WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., dinner orchestra; 7:30-8, mixed quartet; 8-9, trio; John Wilbourn, tenor; 9-10, dance orchestra.
WCBD, Batavia, Ill. (344.6m-870kc), 9 p. m., mandolins, celestial bells; George Beem, marimba soloist; Florence Farrar, contralto; R. F. Reid, baritone; M. P. Barton, tenor; Mrs. Edna Huston-Paxton, reader; Mrs. Athol Heath, Emelia Nelson, pianists.
WEBH, Chicago, Ill. (370.2m-810kc), 7 p. m., dinner concert; 9:15, classical program; 11-12:30, frolic.
WGHB, Clearwater, Fla. (265.3m-1130kc), 7-8:30 p. m., Capitol theater orchestra.
WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert; 10-11, Frolickers; 11-12, dance band, soloists.
WGN, Chicago, Ill. (302.8m-990kc), 6:15 p. m., Punch and Judy; 6:45, Drake concert ensemble, Blackstone string quintet; 8-9, WEAF; 9-10, WEAF; 10-10:10, feature program; 10:10-10:20, Music Box; 10:20-10:30, grand opera; 10:30-11, WGN studio ensemble.
WGY, Schenectady, N. Y. (379.5m-790kc), 6:45 p. m., WGY; 7:30, WRC; 8:30, WJZ; 9:30, old popular melodies, Radio Four; 10:30-11:30, Stephen E. Boisclair, organist.
WHT, Chicago, Ill. (399.8m-750kc), 7-8:30 p. m., dinner hour; 8:45-10:15, (238m-1260kc), Clarence Clausen, tenor; Ruth Schneider, blues singers; Jane Andrews, reader; Clarence Clausen, tenor; Edith O'Connor, soprano; 10-1 (399.8m-750kc), Al Carney, organist; Billy Allan Huff, songster; Joe Warner; Al and Pat.
WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., concert, string ensemble, artists; 12, jamboree; Oriole orchestra, popular artists.
WJAZ, Chicago, Ill. (329.5m-910kc), 9-12, mid. program, classical music.
WJJD, Mooseheart, Ill. (370.2m-810kc), 4-45-7 p. m., dinner concert, Howard L. Peterson, organist, Palmer House symphony players, Palmer House Victorians; 7-9, Music by children of all ages; solos, bands, etc; 9-11, Palmer House Victorians, WJJD quartet; 11:30-12:30, Knights of the Burning Candle.
WLIB, Chicago, Ill. (302.8m-990kc), 7:15 p. m., Drake concert ensemble, Blackstone string quintet; 11, Ambrose Larsen, organist; Bobby Meeker's Drake hotel dance orchestra.
WLS, Chicago, Ill. (344.6m-870kc), 8:10 p. m., Maurie Sherman's College Inn orchestra; 8:30, Don Malin.
WLW, Cincinnati, O. (422.3m-710kc), 6:15 p. m., Norrine Gibbons and Priscilla Holbrook; 7, Hotel Gibson orchestra; 7:40, Gibson concert; 10, Henry Theis' Castle Farmers; 10:15, Al Kirschner and Pep Golden; 10:40, Irene Dowing and Tommy Reynolds; 12:15 a. m., Crosley Sky Terriers.
WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Jack Chapman's orchestra; 8:30, Whitney trio; 9, Marie Sidennis Zendt, soprano; 9:30, Jack Chapman's orchestra; 9:45, Burpan Homes.
WMBB, Chicago, Ill. (249.9m-1200kc), 7-8 p. m., Trianon ensemble; Sandy McTavish, Pifer Kilday; Scotch music; 9-11, Trianon orchestra; ensemble, The Lombards, popular program.
WOK, Chicago, Ill. (217.3m-1380kc), 6-8 p. m., Tip Top Inn string ensemble concert; 8-12, dance orchestra, Capitol theater program; studio program.
WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Garden orchestra; Henry Weise, violinist; Sibyl Nichols, pianist; Kenyth Dunn, pianist; 10-2 a. m., Rainbo Garden orchestra; character songs, Joe Warner, artists; violin quartet.
WRC, Washington, D. C. (468.5m-640kc), 7 p. m., WJZ; 7:30, U. S. Marine band; 9-10:30, WJZ; 10:30, Meyer Davis' Swanee syncopators.
WRVA, Richmond, Va. (256-3m-1170kc), 9 p. m., Negro spirituals; 10, Virginians' orchestra; 11, Carry Me Back to Old Virginny.
WSAI, Cincinnati, Ohio (325.9m-520kc), 7-10 p. m., WEAF.
WSWS, Chicago, Ill. (275.8m-1090kc), 7 p. m., Terrace Garden orchestra; Hugh Aspinwall, Walter Levis, Eulalia Kober, pianist; Ilona Kincz; Kenneth Clark, Hawaiian guitarist; Rita McFawn; 10, Terrace Garden orchestra, artists, popular songs; 11, Ruby Rossina; Clark Hawaiian quartet; Scotch songs, Frank Weise; 12, Witching hour; Gns Edwards' orchestra.
WTAM, Cleveland, Ohio (389.4m-770kc), 6 p. m., Hollenden hotel orchestra; 7-9, WEAF; 9, studio program; 11, Emerson Gill and orchestra.
WTIC, Hartford, Conn. (475.9m-630kc), 7 p. m., Ben Rosenberg, baritone; 7:30, Clinton Community singers; 8, For-an-to Melody Makers, Manchester male quartet; 9, Colt Park Municipal dance orchestra; 9:30, Hotel Bond dance orchestra.
WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7, WEAF.

Central Standard Time Stations

CKY, Winnipeg, Can (884.4m-780kc), 9-10 p. m., concert, John Harper and his orchestra.
KFNF, Shenandoah, Ia. (461.3m-650kc), 7 p. m., mixed program, Peru, Nebraska.
KLDS, Independence, Mo. (440.9m-680kc), 8 p. m., studio program, Alice Marie Schwickrath, soprano; Herman Schwickrath, bass; Eileen Bowman, organist; Charles Stickell, baritone.
KPRC, Houston, Texas (296.9m-1010kc), 7:30 p. m., Blanchard's dance orchestra; 8:30-10, Skyline studios concert.
KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10-9:40 p. m., Lawson Reid, organist; 9:40-10, New Arlington hotel string quartet recital.
KVOO, Bristow, Okla. (374.8m-800kc), Guest artists night, surprise program.
KWCR, Cedar Rapids, Ia. (278m-1080kc), 12 p. m., midnight frolics.
KWWG, Brownsville, Texas (277.6m-1080kc), 8:30-9:40 p. m., Ramon Martinez and Chamber of Commerce band; 12:01-1 a. m., novelty and jazz.
WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 7 p. m., WEAF.
WFAA, Dallas, Tex. (475.9m-630kc), 6:30-7:30 p. m., Jimmy Joy's orchestra; 8:30-9:30, Anna Majer Rapley, pianist.
WHAD, Milwaukee, Wis. (275m-1090kc), 6:10 p. m., dinner hour program; 8:30, Milwaukee Journal Tour club; 10:30, Wisconsin Roof Garden dance orchestra.
WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., mixed vocal and instrumental concert.
WHB, Kansas City, Mo. (365.6m-820kc), 7-7:45 p. m., dinner hour organ; 8-9, K. C. Artist Symphonic string quartet.
WHO, Des Moines, Ia. (526m-570kc), 7:30-8 p. m., Philbreck and his Younker tea-room orchestra; 8-9, Bankers Life trio.
WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Cooper's Hawaiians.
WOAI, San Antonio, Tex. (394.5m-760kc), 4 p. m., T. W. Sharpe jr. instrumental selections; 4:30, Straus-Frank pianologue program; 8:30, Mistletoe melody maids.
WOAW, Omaha, Nebr. (526m-570kc), 6:50 p. m., orchestra; 9, classical.

Mountain Standard Time Stations

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., dinner concert, Brown Palace string orchestra.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Radio Boys' dance orchestra; 8-9, dramatic hour arranged by Arthur Lubin; 9-10, comic opera favorites; 10-11, Patrick-Marsh dance orchestra.
KFWB, Hollywood, Calif. (252m-1190kc), 8-9 p. m., program, McGavin Bros. Bakeries; 9-10, program, Chapman's Ice Cream; 10-11, Warner Brothers frolic.
KGO, Oakland, Calif. (361.2m-830kc), 6 p. m., Bem's Little symphony orchestra; 8-9, vacation program, Billy Mason, banjoist; Fishin' Jim Pike; WOW male trio; 9-12, Phil Lampkin's Musical Bears.
KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 9-10, vaudeville entertainment; 10-12 midnight, Spanish ballroom.
KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., Uncle John and the children; 8-10, Zoellner string quartet; 10-11, Heffner's Sunnyland Seven.
KNX, Hollywood, Calif. (336.9m-890kc), 7-8 p. m., Carthay Centre Circle theater organ; 8-9, program, Rigali and Veselich; 9-10, Grill-Butterworth program; 10-11, Edgewater club; 11-12, Ambassador hotel dance orchestra.
KPSN, Pasadena, Calif. (315.6m-950kc), 8-9 p. m., musical program, Chamber of Commerce.

Friday, August 13

Atlantic	Eastern	Central	Mountain	Pacific
9	8	7	6	5

WMCA (340.7m-880kc), Paul Whiteman's Picadilly players.

9:30	8:30	7:30	6:30	5:30

WHAS (399.8m-750kc), Instrumental trio.

10	9	8	7	6

WAHG (315.6m-950kc), Shell Beach trio.
WLIT (394.5m-760kc), Saxophone sextet.

10:30	9:30	8:30	7:30	6:30

WLS (344.6m-870kc), Little Symphony of Chicago.

12 m.	11	10	9	8

KNX (336.9m-890kc), Uptown Theater Playboys.
WSM (282.8m-1060kc), Syncopating Four.

For stations silent tonight refer to first Friday's list.

Atlantic or Eastern Daylight Saving Time Stations

WAHG, New York, N. Y. (315.6m-950kc), 7:30 p. m., Sylvia Solow, violinist; 8, Grebe music hour; 10, Shell Beach trio; 10:20, Duke Donaldson's orchestra.
WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., dinner concert; 8, studio program; 8:30, WEAF; 9, studio concert; 10, WEAF.
WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30 p. m., Snellenburg instrumental trio; 8, recital; 8:30, Singing Groundhog; 8:45, Miss Bambina, piano accordionist; 9, Regina Crooners; 9:15, Nasco Jolly Four; 9:45, Willie Pierce, songs; 10, Myers Musical Architects.
WEAF, New York, N. Y. (491.5m-610kc), 4-12 p. m., musical program; tea dance music by the New Yorkers; dinner music from Hotel Waldorf-Astoria; "Wandering Minstrels"; La France orchestra; Whittall Anglo-Persians; Jack Albin's Hotel Bossert orchestra; Pelham Heath Inn orchestra.
WEBJ, New York, N. Y. (272.6m-1100kc), 7 p. m., Blue Bell serenaders; 7:30, Luna's Knickerbocker Grill orchestra; 8, Three Collegians, R. M. Seibert, tenor; 8:30, Luna's marine band.
WFI, Philadelphia, Pa. (394.5m-760kc), 6:45 p. m., Adelphia Roof Garden dance orchestra.
WHAR, Atlantic City, N. J. (275.1m-1090kc), 8 p. m., Seaside hotel trio.
WHN, New York, N. Y. (361.2m-830kc), 8 p. m., Treasureland Home Owners ensemble; 9, Loew's Coney Island theater orchestra; 9:30, Coney Island Stadium bouts; 10:30, Palisades Amusement Park orchestra; 11, Strand Roof orchestra; 11:30, Roseland dance orchestra; 12 m., Silver Slipper orchestra.
WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 7, Uncle Wip's bedtime stories.
WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., George Olsen's Hotel Pennsylvania Roof orchestra; 9, Sundial Shoe serenaders, Bonnie Laddies; 10:30, Harold Stern's Belleclaire Roof orchestra.
WLIT, Philadelphia, Pa. (394.5m-760kc), 8 p. m., Arcadia cafe concert orchestra; 8, Schickerling Saxophone sextet; 10, Morning Glory club concert; 10:30, Rufus and Rastus; 11, Freshman Masterpiece hour.
WMAK, Buffalo, N. Y. (265.3m-1130kc), 7:30-8:15 p. m., WGY orchestra; 8:15-10:30, WGY players.
WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Hotel Shelburne orchestra; 6:30, Ernie Golden and his Hotel McAlpin orchestra; 7:15, Ernie Golden and his Hotel McAlpin orchestra; 8, Midland Beach orchestra; 9, Paul Whitman's Picadilly Players; 9:30, Klein's Serenading Shoemakers; 11, Jack Denny's orchestra; 11:30, Club Brighton orchestra; 12 m., McAlpin entertainers.

(Continued on page 21)

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"THE FALL GUY"

(Continued from page 6)

ferred to as "Irish stew," and drinking from a huge utensil which resembled nothing so much as an old-fashioned shaving-mug, a concoction that passed as coffee, which could be purchased with a tasteless bit of pastry known as coffee cake, for five cents.

Thus, coffee and cake his breakfast; stew his dinner; lunch was a habit he had deleted of late.

About this time his hopes had risen to sublime heights, when a man with a damage suit against one of the public service corporations had offered him his case. The man was severely injured and any jury would have given him a verdict for a few thousand dollars; but to prosecute the matter Dick would have had to put up money for court costs, and this he did not have. So the man was forced to take his case to another lawyer.

It was then with a crash that Dick reached the bottom of the skid and went down into the morass of uncertainty into which all skids descend. And the humiliation became all the more keen because of Alice Tellyhew. Ambition had always gnawed at Dick; but after he began going with Alice, it no longer gnawed—it bit in great mouthfuls.

HIS interview with Jason Tellyhew was the last straw. Filled with bitter resentment at what he regarded as Tellyhew's unreasonable and unjust treatment, Dick's state of mind grew more and more alarming.

And then, suddenly, came the turn of the tide. The postman left a large official-looking envelope, which, however, gave no indication of whither it had come. But Dick, slitting it open with shaking fingers, found his senses wavering as a package of Amalgamated Steel bonds fell out on the desk.

With it was a typewritten note which read:

"Dear Mr. Standish:

"Please accept these bonds as a retaining fee until I am able to reveal my identity. I shall want you to handle several important legal matters within a short time. Feel no hesitancy about borrowing on them at your bank. Further instructions will follow soon."

The note was unsigned.

"An anonymous communication," mused the delighted Dick. "Well, God bless my mysterious client! These couldn't have come at a better time!"

CHAPTER III

Welcome News

OF course, Alice Tellyhew was the first to hear the good news; and, if possible, she was even more delighted than Dick. She asked numerous questions about the receipt of the bonds, and if he didn't have some idea as to who had sent them. To which Dick responded that he hadn't the slightest suspicion, but that the bonds would be placed "in soak" at the bank at the earliest possible moment.

With such gilt-edged security he had no trouble in borrowing twelve hundred dollars. He laughingly reflected that this was the exact sum he had had when he embarked in business for himself, and wondered if there could be any significance attached to it.

On one thing he was determined—he would stretch this twelve hundred even farther than the first one if necessary.

He surprised his friends by paying all his small loans in full. Several told him by actions if not by words that the repayment was quite a shock; but he observed that all of them were able to survive it.

With a replenished wardrobe and revived spirits, he disregarded Tellyhew's orders and called on Alice. And while he was waiting for her to come down, who should he encounter but Tellyhew himself.

Alice's father not only expressed surprise at Dick's visit, but could not refrain from remarking about his improved appearance.

"That's why I'm here," Dick said with assurance. "I knew your remarks on my last visit were based on my personal appearance and my future prospects. Both have improved so materially that I have indulged myself in the hope that you would reconsider your decision."

"All right; till further notice," snapped Tellyhew, and turned away.

Alice quizzed Dick closely about the bonds; but he had given her all the information he had over the phone.

"I've always said your luck would turn and when it did it would be for something worth while," she told him.

"And judging by his letter—my client's, I mean—there is more to follow. It may be another damage suit for all I know. In the meantime, I am to be allowed the privilege of calling on you—until further notice."

Dick was sitting in his office the next morning awaiting developments when the door was flung wide and Alderman McGuire walked in.

"WELL, young man, you seem to have a little leisure time on your hands, so perhaps you won't mind handling a legal matter for the city of Valley View."

"I'll be delighted, alderman," Dick returned in some surprise, "but I thought the city had an attorney of its own."

McGuire dropped into a chair. "You're right; but he's on leave of absence, and the mayor and commissioners have decided that this is a matter that cannot wait. The matter was placed in my hands for disposition. That's why I'm here.

"The Suburban Traction company, as you probably know, recently obtained a franchise from the city to build a trolley line to our rapidly-growing suburb, Rosehurst. We granted that franchise, Mr. Standish, because we knew the citizens of Rosehurst needed rapid transit. There are over three thousand people out there now, many of them unable to afford automobiles, and it was in the belief that the situation would be immediately relieved that we gave the Suburban people what they asked for.

"Now, it seems, the Suburban has no idea of constructing a line to Rosehurst for at least a year. They won't come boldly out and admit it; but they have found a dozen excuses to delay the work. First the line had to be approved by their board of directors; then a survey of the route was made, in spite of the fact that it had been surveyed before the application for a franchise was presented to the council.

"I have just come from the office of Mr. Jason Tellyhew, chairman of the Suburban road. With his usual diplomacy he put me off; said he would look into the delay and force some action. But I believe that is just another subterfuge to delay the game, so we've decided to throw a scare into them. You are acquainted with Mr. Tellyhew, I presume?"

"Oh, yes; I know him quite well," Dick responded dryly.

"There is no reason why you would not be in a position to vigorously prosecute a case in which he is involved?"

"On the contrary, I should more than welcome such litigation, Mr. McGuire."

"Good. I believe in young blood, and when this matter was placed in my hands I immediately thought of you. I haven't forgotten what you did for me, young man."

"Don't mention that, please, nor feel that you are under the slightest obligation," said Dick earnestly.

"Then let's get down to business. You will first notify Mr. Tellyhew that unless the Suburban Traction company gives concrete evidence of real construction work within ten days, that the city will enter suit for damages in the sum of $50,000."

Dick made a note of these facts. "And if he refuses?"

"Prepare papers and file suit at once. The city of Valley View cannot be bluffed. Here is a copy of the franchise. Please read it thoroughly; become familiar with every phase of it. If we are eventually forced into court it may be that you will be required to help prosecute the suit."

"Trust me to give you everything that's in me, Mr. McGuire. I feel all primed for a legal scrap with someone, and the fact that Mr. Tellyhew is the party most involved makes things just a little more interesting than they ordinarily would be." Then, as McGuire nodded and started out: "Er—pardon me, but the city didn't happen to mail me a package of bonds, did it, alderman?"

"A package of bonds?" queried the other in some surprise. "I don't believe I know what you mean."

"It's quite all right," Dick responded with a grin. "I just wanted to know."

CHAPTER IV

Something Happens

DICK'S letter to the chairman of the Suburban board was a masterpiece; everything the young attorney could think of pertinent to the case went into its composition. And while there was nothing personal in its tone, Jason Tellyhew would be bound to admit—thought Dick—that his would-be son-in-law had taken quite a step forward in the legal world.

So anxious was Dick to have the letter reach its destination that he could not wait for the mails, but dispatched a special messenger, with instructions to give it personally into Mr. Tellyhew's hands, and to telephone him when his mission had been accomplished.

And when, some twenty minutes later, this message came through on the phone, Dick heaved a satisfied sigh and leaned back in his chair to contemplate the future.

He pictured Tellyhew "hitting the sky" when he read the letter, and either coming immediately to see him in person or calling him impatiently on the telephone. And he had his little speech all thought out. He would deliver the city's ultimatum in a forceful and dignified way.

But Mr. Tellyhew failed to respond that day, and when five-thirty came, Dick gave up all hope of immediate developments and left for his room.

After a troubled sleep, during which he dreamed that he had the traction company by the throat—the company in this instance being represented by Jason Tellyhew—he awoke and hurried down to the office an hour earlier than usual, hoping that the morning's mail would bring a communication from Alice's father.

The mail, however, brought nothing; but a rakish-looking speedster brought Alice about ten o'clock.

Dick threw aside the law book he had been reading and greeted her effusively. Then he casually inquired if her father had been home the evening before.

"Why, yes," she replied, rather surprised at the question. "Why do you ask?"

"Oh, no special reason—er—but didn't he tell you something about me?"

"Why, no; he didn't mention your name. Dick! Something has happened. What is it?"

"Just a little suit in prospect against the Suburban Traction company."

"Oh, is that all?"

"Well, isn't that enough?"

"Do you mean that you are suing them?"

"Threatening to; at least, the city is."

"The city? I don't understand."

"I have been employed by the city to sue the traction company for $50,000 unless they commence work on the promised Rosehurst line at once."

"You mean, Dick, that you are suing my father?"

"That's it?"

"Well, I like your nerve!"

"I thought you would."

"The very idea!"

"What's the matter now?"

"Don't you think you are going a little too far—suing my father—your future father-in-law?"

"I thought it was rather neat," Dick confessed. "It never occurred to me that you'd disapprove."

"Well, I do—and I want you to know—"

She was interrupted by loud footsteps in the corridor outside. Then the office door opened and Jason Tellyhew stepped in, followed by a stockily-built man of middle age.

"Daddy!" cried Alice. She would have said more, but Jason Tellyhew held up his hand to silence her.

"Wait!" Alice subsided and her father turned to his companion. "There's your man, officer! Arrest him at once!" he cried, pointing an accusing finger at Dick.

Who stole the bonds and why? Will Dick go to jail and will Alice fail him in his determination to prosecute the suit against her father? Read the sequel to this dramatic situation confronting The Fall Guy in the next issue of Radio Digest.

21 E. L. TYSON OF WWJ
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By special arrangement, Radio Digest is able to offer its readers a great opportunity to secure fine photogravures of their favorite Radio stars at practically no cost. Below is only a partial list of the photogravures now included in the Gallery of Radio stars. Complete list in March 20 issue.

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7 Harmony Girls, Edith Carpenter, Grace Ingram
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9 "Roxy" Rothafel of WEAF chain fame
10 The Hired Hand, famous "Substitute Announcer" of WBAP
12 Bob Emery, Big Brother of WEEI
13 "Bill" W. G. Hay, ex-KFKX, now WLIB
14 Happiness Boys, jovial singers of WEAF
15 Lambdin Kay, "Little Colonel" of WSB

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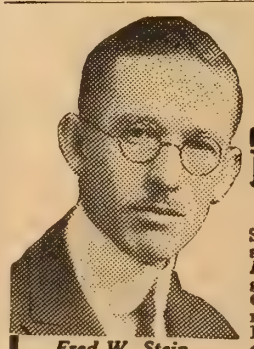

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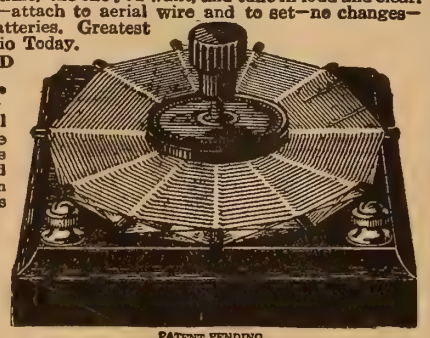

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ADVANCE PROGRAMS

(Continued from page 19)

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Sylvania dance orchestra; 8, WOO orchestra; 9, WEAF; 10, WEAF; 10:30, Sam Brown's dance orchestra; 11, continuation of dance music.
WOR, Newark, N. J. (405.2m-740kc), 6:45 p. m., Hotel Bretton Hall string quartet.

Eastern Standard or Central Daylight Saving Time Stations

KYW, Chicago, Ill. (535.4m-560kc), 7 p. m., music hour; 8, program, Federal Master artists; 10:30-12, Congress carnival.
WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., dinner orchestra; 7:30-8, Jubilee singers; 8-9, musical program, instrumental and vocal soloists; 9-10, City Park orchestra.
WEBH, Chicago, Ill. (370.2m-810kc), 7 p. m., dinner concert; 9:15, staff artists; 11-12:30, midnite frolic.
WGHB, Clearwater, Fla. (265.3m-1130kc), 8:30-10 p. m., pipe organ recital, Frederick Hubbard; Mrs. Ethel Weber, soprano; Mrs. H. Sheridan, contralto; Mrs. F. Barrett, violinist.
WGN, Chicago, Ill. (302.8m-990kc), 6:45-7 p. m., Drake concert ensemble, Blackstone string quintet; 7:15-8, Paul Ash's show; 9-9:30, WEAF; 9:30-10, Phantom violin; 10-10:10, features; 10:10-10:22, Music Box; 10:22-11, WGN studio ensemble.
WGY, Schenectady, N. Y. (379.5m-790kc), 6 p. m., Hotel Van Curler orchestra; 6:35, Mason and Hamlin program, Ethel Krautter, soprano; Earl Rice, pianist; 7:15, "Tenants," WGY players; 9:30, dance orchestra.
WHT, Chicago, Ill. (399.8m-750kc), 7-8:30 p. m., Al Carney, organist; Esther Bredsky, soprano; 8:45-10:15 (399.8m-750kc), Helen Rauh, organist; poems, Stuart Dawson; Helen Gordon, soprano; Eddie Jems, pianist; 10:30-1 (399.8m-750kc), Nick Manoloff; Rita McFaun, soprano; Oscar Heather, tenor; Darn, Good and Dirty.
WLS, Chicago, Ill. (344.6m-870kc), 7:30 p. m., Ralph Emerson, organist; 8:30, Grace Wilson, contralto; 9:30, Marie Morrisey, contralto; Theodore DuMoulin, cellist; 11, Ralph Emerson, organist; 12, frolic.
WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 8, George Simons, tenor; 8:15, concert, Mandel hall, Hart string quartet.
WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9 p. m., classical concert, instrumental quartet; 10:10, Ramona Radio Revelry, orchestra.
WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., dinner concert, Rainbo Gardens orchestra; Chester Newman, baritone; James Murray, tenor; Earle R. Bigelow, concert pianist; 10-2 a. m., Rainbo Garden orchestra; Harmony duo, artists.
WRVA, Richmond, Va. (256.3m-1170kc), 8:10 p. m., musical program; 8:45, chimes; 9, musical program; 10, Hotel Richmond Golden Gate syncopators; 11:30, Carry Me Back to Old Virginny.
WSWS, Chicago, Ill. (275.8m-1090kc), 8 p. m., Terrace Garden orchestra; Leola Aikman, ballads; Walter Dyckman, basso; Georgia Gray, violinist; Art Billquest, ballads; 10, Terrace Garden orchestra; Hugh Aspinwall, tenor; Ruth Boutay, blues singer; popular songs, Sid Pierson; 12, Witching hour.
WTAM, Cleveland, O. (389.4m-770kc), 6:30 p. m., Emerson Gill and orchestra; 8, Euclid Beach Park orchestra; 9, WEAF; 9:30-11, studio program; 11, Collegian serenaders.
WTIC, Hartford, Conn. (475.9m-630kc), 7 p. m., Laura C. Gaudet, pianist; 7:30, Norm Cloutier's dance orchestra; 8:30, Helen Lester, soprano; 8:45, Gibbs piano concert; 9:30, WTIC mail bag; 9:45, Debutants.
WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 8, News orchestra; 9, WEAF.

Central Standard Time Stations

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10-10 p. m., special requests, staff artists; 10-10:30, frolic, Como Roof.
WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6:15 p. m., St. Paul association—Land o' Lakes orchestra; 8, WEAF; 9, Twin City string quartet; 10:05, Nankin cafe orchestra, Frank Novak, tenor.
WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., instrumental trio; Edward Barret, flutist; John Peake, clarinetist; John Hansen, pianist.
WHO, Des Moines, Iowa (526m-570kc), 7:30-8 p. m., Philbreck and his Younker tea-room orchestra; 8-9, Kathryn Torey, pianist; Verne Deskin, violinist; Mrs. Fred Marshall, soprano.
WOAI, San Antonio, Tex. (394.5m-760kc), 4:30 p. m., Straus-Frank pianologue program; 8:30, San Antonio college of music program, Walter Dunham harmonologue.
WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., Andrew Jackson hotel trio; 8, studio program; 10, Syncopating Four; 10:30, pipe organ concert.

Saturday, August 14

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
9:15	8:15	7:15	6:15	5:15

WAMD (243.8m-1230kc), Melody Moons orchestra.

9:30	8:30	7:30	6:30	5:30

WLW (422.3m-710kc), Weak-End Serenaders.

11	10	9	8	7

KMOX (280.2m-1070kc), "Danger," drama.

12	11	10	9	8

KGO (361.2m-830kc), "In a Persian Garden."

3	2	1	12	11

KNX (336.9m-890kc), Midnight frolic.

For stations silent tonight refer to first Saturday's list.

Atlantic or Eastern Daylight Saving Time Stations

WEAF, New York, N. Y. (491.5m-610kc), 4-12 p. m., Elmer Grosso and his orchestra, tea dance music by the New Yorkers, dinner music from Hotel

(Continued on page 22)

CHAOS NOT PROBABLE

(Continued from page 3)

tions are under no effective restriction as to wave length or power used. The 1912 act under these various constructions has failed to confer authority for the prevention of interference, which was its obvious intent.

"Persons desiring to construct stations must determine for themselves whether there will be wave lengths available for their use without interference from other stations. They must proceed entirely at their own risk.

"There have always been the most cordial relations between the Radio administrations in Canada and in the United States. The department has refrained from assigning to American stations the wave lengths in use in Canada and the Canadian authorities have reciprocated by avoiding the wave lengths assigned to our stations. A continuance of this policy is a necessity if international confusion is to be avoided. The department most earnestly hopes, whatever may ensue, that the sense of fair play, as well as interest in the protection of the situation as a whole, will prevent any American station from trespassing upon the Canadian assignments.

"The orderly conduct of Radio communication and the interest of the listener in broadcasting, has been possible largely because of voluntary self-regulation by the industry itself, frequently necessitating some individual sacrifice for general good. The department trusts that this spirit will continue in the future as in the past.

"The legislation which has been long sought from congress to perfect the 1912 act reached the stage of passage by both houses, but insufficient time remained in the session in which to compose conflicts between the house and senate bills. The legislation will undoubtedly be perfected early in the session which meets in December.

"Both bills, however, carry explicit authority to the government to assign wave lengths, limit power and time, and they both establish in the government the fundamental property in the air channels. These authorities will undoubtedly be confirmed. While any confusion which may arise pending the next session will certainly be eliminated by the passage of legislation, it will be minimized by just as much as broadcasters avoid interference with other stations."

The bureau of navigation of the department of commerce has just issued its new broadcasting license form which is entirely different from the one which has been in use previous to the decision of the attorney general.

Among other things this license specifically states that "the hours for which the station is licensed are not limited." Relative to the use of Radio during times of emergency the license says: "The president of the United States in time of war or public peril or disaster may cause the closing of this station and the removal therefrom of all Radio apparatus, or may authorize the use of control of the station or apparatus by any department of the government, upon just compensation to the owners."

The new license also states that the "operator of the station shall not wilfully or maliciously interfere with any Radio communication from another station," and "all operations of the station shall conform to the laws of the United States, and the provisions of any international treaty or convention to which the United States is a party."

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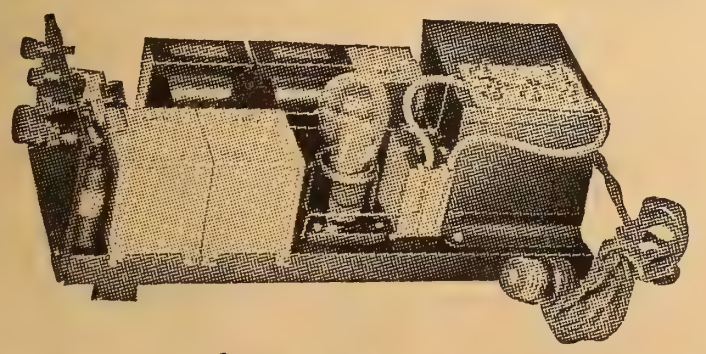

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Compact. Especially desirable for crowded assembly. Eliminates interfering "pick-up."
Set of Three, $5.75
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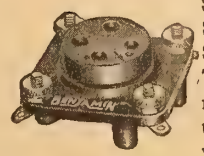

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.00035 Mfd., 5.25
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ADVANCE PROGRAMS

(Continued from page 21)

Waldorf-Astoria, Greenwich Village Inn orchestra, musical comedy hits by WEAF musical comedy troupe, Goldman band concert, Waino Kauppi, cornetist, Ben Bernie's orchestra, Rolfe's Palais D'Or orchestra.

WGBS, New York, N. Y. (315.6m-950kc), 7:45 p. m., George Hall and his Royal Arcadian orchestra; 10:30, Arrowhead Inn dance orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 6.05 p. m., Benjamin Franklin concert orchestra; 7, Uncle Wip's bedtime stories; 8, sports corner, Dr. Francois D'Elhuyar; 8:15, recital from Marine studio; 8:30, Hotel Shelburne orchestra; 9, Hotel Traymore orchestra; 9:30, Emmet Welch's Minstrels; 10:30, George Olson's dance orchestra; 10:45, Ted Weems's novelty dance orchestra; 11:15, Wheller Wadsworth dance orchestra.

WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Waldorf-Astoria Roof orchestra; 8:25, Stadium Philharmonic concert, WRC, WGY; 10:30, Hotel Astor roof orchestra.

WOR, Newark, N. J. (405.2m-740kc), 6:15 p. m., Jacques Jacobs' Hotel Shelton ensemble; 7, Jacques Jacobs' Hotel Shelton ensemble; 7:30, Oreste's Queensland orchestra; Hotel Bretton Hall string quartet; 8:45, Arthur Pryor's band; 9:15, Casino orchestra; 9:45, Berkeley Carteret concert orchestra; 10:30, Monterey society orchestra; 11:15, Ben Bernie and his Berkeley Carteret orchestra.

Eastern Standard or Central Daylight Saving Time Stations

KYW, Chicago, Ill. (535.4m-560kc), 7 p. m., music hour; 8, musicale; 9-10:30, classical concert; 10:30-12, Congress carnival, Bittie-Benson orchestra.

PWX, Havana, Cuba (400m-750kc), 8:30-11 p. m., Typical Cuban concert.

WEBH, Chicago, Ill. (370.2m-810kc), 8 p. m., songs; 9:15-10, Edgewater Beach hotel orchestra; 11-12, orchestra, Kay Ronayne; 1-2, frolic.

WGN, Chicago, Ill. (302.8m-990kc), 6:15 p. m., Punch and Judy; 6:35, Drake concert ensemble, Blackstone string quintet; 8, Auld Sandy; 8:10, Drake concert ensemble; 8:20, Correll and Gosden; 8:30, Fred Ham and his orchestra; 9-9:30, "Good Morning, Dearie," light opera period; 9:30-10, musicale; 10, features.

WGY, Schenectady, N. Y. (379.5m-790kc), 6 p. m., Hotel Onondaga orchestra; 6:30, Buffalo theater; 7:25, WJZ; 9:30, dance program.

WHT, Chicago, Ill. (399.8m-750kc), 7-8:30 p. m., Al Carney, organist; Charles Hussey, bass; Pat Barnes, reader; Riverview Melody Masters; 8:45-10:15 (238-1260kc), Jimmie Eggart, tenor; Sara Jones, popular singer; 10:30-1 (399.8m-750kc), Brown and Craig; Riverview orchestra; Al and Pat.

WLS, Chicago, Ill. (344.6m-870kc), 6:30 p. m., Al Meigard, organist; 7:15-1 a. m., national barn dance.

WLW, Cincinnati, O. (422.3m-710kc), 7 p. m., organ concert, Johanna Grosse; 8, Radio club; 8:30, Weak-End serenaders; 9, Henry Theis' orchestra, Castle Farm.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Jack Chapman's orchestra; 8, Daw and Pratt, men of 1001 songs; 8:30, Radio photologue; 9:30, Chicago theater weekly Radio revue.

WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9 p. m., Elizabeth Barker Van Campen hour of music; 10:05, studio program, instrumental quartet, orchestra, artists.

WRC, Washington, D. C. (468.5m-640kc), 7 p. m., Irving Boernstein's Hotel Washington orchestra; 7:30, WJZ; 9:35, announced; 10, Kitt hour of music; 11-12, Otto F. Beck, organist.

WSAI, Cincinnati, O. (325.9m-520kc), 7:45 p. m., chime concert, Robert Badgley; 8:15, Bicycle Playing Card sextet.

WSWS, Chicago, Ill. (275.8m-1090kc), 8 p. m., Terrace Garden orchestra; East Chicago male quartet; Georgia Gray, violinist; Zola Haynes, pianist; 10, Terrace Garden orchestra; staff artists; 12, Witching hour; Gus Edwards' orchestra, Henri Therrien, tenor.

WTAM, Cleveland, Ohio (389.4m-770kc), 7:30 p. m., studio program; 8, Hollenden hotel orchestra; 9, vaudeville program; Ev Jones' Merrymakers and entertainers.

Central Standard Time Stations

KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., Jacquinot Jules, organist; 7, KMOX Radio orchestra; 8, orchestra; Porter Brown, banjoist; 9, Radio drama, "Danger," Richard Hughes; 9:30, KMOX Radio orchestra; 10-11, Dansant nuit.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10-9:45 p. m., dance concert, New Arlington hotel orchestra; 9:45-10, Mrs. Bryde Rigsby, contralto; Mrs. Sam Stone, pianist.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6:15 p. m., Wesley Barlow's Nicollet hotel orchestra; Lora Davidson, soprano; 8:15, surprise program; 8:45, Crinoline trio; Gertrude O'Neill Ganley, reader; Lucille Frankman Murphy, pianist; 10:05, Wallie Erickson's Coliseum orchestra; Chuck Catlin, tenor; Russell Brown, saxophonist.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Billy Cox and his orchestra; 8-9, Angelus trio; 9-10, varied program; 10-11, Packard Radio club in popular songs; 11-2 a. m., KFI midnight frolic.

KGO, Oakland, Calif. (361.2m-830kc), 8:10 p. m., "In a Persian Garden;" 9-9:30, Philharmonic society; 9:30-10, Valencia trio; Carl Anderson, tenor; 10-1, dance music.

KGW, Portland Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 10-12, Indian Grill; Punch Green, pianist.

FAME CROWNS TWINS

(Continued from page 4)

"Well, tell them for me I think they are oil right and let's have some more," answered the voice.

A few hours later the first special delivery letter arrived. Then more letters were received. The next day there was a regular avalanche of congratulations for the boys. They were promptly engaged by the station as staff artists. Their fame began to spread abroad and they were invited to sing at other stations.

Now they are touring the United States and singing at broadcasting stations all over the country as representatives of the KOIL station at Council Bluffs. They sang at all the principal stations on the Pacific Coast, meeting many of the celebrated Radio artists and making many new friends, especially with the sopranos and the altos and the contraltos and the bobbed haired bow benders and key trippers for the boys are both good looking, are gentle mannered and neither is permanently attached, it is said.

They swept through Texas where anything with the name of "Oil" attached to it invariably receives the broadest welcome and especially a singing and playing team with the merit of the Iowa Oil Twins. Up through Missouri they sang their way from one big broadcasting station to another, on through Chicago where they sang from several of the larger stations and then to Michigan and Ohio, making a number of phonograph records en route.

And now they are singing their way back to Council Bluffs. Is this not another one of the marvels of Radio—national fame in less than a year?

"BIG BROTHER" EMERY

(Continued from page 5)

department in the feature section for the Big Brother Club activities.

Some day it may happen that the Big Brother Clubs in California, Texas, Colorado, Illinois, Ohio, New York and Massachusetts will get together with such other Radio clubs as may be flourishing and form a great federation with visiting delegates going about to the various stations, building up a strong and powerful unity to consider the truths of government, advanced education, health, food, clothing and other important factors for the welfare of the individual and the nation.

If you could see the twinkle in Brother Bob's eye when he talks about his boys and girls and their elder brothers you might suspect that he has a vision of this sort to be materialized in the future. The WEEI Big Brother Club is a marked success, the ideas and means of achieving it might well be worth considering by broadcasting stations not so endowed but wishing to extend their activities in that direction, declared a well-known Boston newspaper man who corresponds with Radio Digest.

YOUR RADIO TROUBLES

(Continued from page 7)

without repair, and we—poor fools passing through this vale of tears—are keeping many doctors in food and clothing because we break down.

First aids, however, are essential. The following synopsis of the little things which may and do occur within your Radio receiver, together with the probable causes and first aid repair methods, is offered merely as a guide so that the helpless may at times help themselves. One cannot well paste this information in their hat, but all can save this number of Radio Digest. Refer to it the next time you become dissatisfied with your results before you call your Radio dealer or service man and bring him to your house on a false alarm. You may save him time and yourself money.

CLASSIFIED ADVERTISEMENTS

DOGS

Beautiful registered bull pups, $15. Bulldogs, 501 Rockwood, Dallas, Texas.

HELP WANTED—FEMALE

WANTED: Home Workers, Can earn $4.25 cash or big premiums. Write for particulars. Household Supply Co., 715 Baltimore Bldg., Chicago.

FOR SALE

Here is your opportunity to obtain a real good buy on ¼-HP, 110-volt, 60-cycle, single phase, AC, enclosed dust proof new electric grinders and buffers, 6-inch emery wheel on one side and 6-inch buffer on the other, with cord and plug, at a low price of $15.75 each. Special price on brand new 1-KW or 1000-Watt, 32-volt, 1150 speed, late design, Westinghouse light and power generators with pulley, ready to run, at $48.00 each. Largest dealers in new and used motors and generators in the Northwest. Send us your inquiries. General Distributing Co., Security Storage Bldg., Duluth, Minn.

MISCELLANEOUS

Get Hoff's Radio Trouble Finder. Particulars for stamp. F. Nasstrom, 474 Midway Ave., Pontiac, Mich.

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PATENTS. Booklet free. Highest references. Best results. WATSON E. COLEMAN, Patent Lawyer, 644 G Street, Washington, D. C.

RADIO

Get started right. Your first radio should be a LAMBERT. No tubes or batteries needed. Saves much expense. Works 600 miles, but costs only $2.95. SPECIAL MODEL for nearby stations only $1.75. Mailed postpaid on receipt of price. Join 250,000 satisfied customers. Write today. Crystal Radio Company, Wichita, Kansas.

Radio Builders—We manufacture Radio Cabinets any amount, one cabinet to your season's supply, let us figure with you. Peshtigo Building Supply Company, Peshtigo, Wisconsin.

$1.00. Gem Guaranteed Radio Tube. The Radio Shop, Barnsdall, Okla.

Ties FREE

and $15 a Day Pay

Want to wear three fine Silk and Wool Ties absolutely free? My amazing plan makes it easy for you to do that, and to make $15.00 a day just showing outfit and writing orders. Beautiful array of patterns and colors, made of best quality materials. Ties sell at low factory price. You collect big commissions in advance.

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No capital or experience needed to make big money from start. I teach you how. James Morrison makes $18.00 a day. You can too. Mail post card now for complete selling equipment FREE. *Ask for free tie offer.*

W. A. Nash, Dept. 8-H — NAWCO NECKWEAR CO., Inc., Covington, Kentucky

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Use Your Radio as an Electric Phonograph

Results equal to the new high-priced Electric Phonographs now appearing on the market.

Inexpensive to hook up. Does not spoil set for radio use. Send $1.00 for complete plans.

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2.75 RADIO Storage "B" Battery

12 Cells 24 Volts *Lasts Indefinitely—Pays for Itself*

Economy and performance unheard of before. Recharged at a negligible cost. Delivers unfailing power that is clear, pure and quiet. Approved and listed as Standard by leading Radio Authorities, including Pop. Radio Laboratories, Pop. Sci. Inst. Standards, Radio News Lab. Lefax, Inc., and other important institutions. Equipped with *Solid Rubber Case*, an insurance against acid and leakage. Extra heavy glass jars. Heavy rugged plates. Order yours today!

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Makers of the Famous World Radio "A" Storage Battery
Prices: 6-volt, 100 Amp. $11.25; 120 Amp. $13.25; 140 Amp. $14.00. All equipped with Solid Rubber Case.

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Charges any type of storage A or B battery, using a few cents worth of ordinary house current, either alternating or direct. Cannot injure battery. Complete directions enclosed. Anyone can operate. No expensive "extras" to buy.

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FOR noiseless filament control and maximum range, ask your dealer for the Bradleystat. This graphite disc rheostat can be used **for all tubes** without change of connections. The bakelite knob is removable if desired. The one-hole mounting and small size make the Bradleystat easily adaptable to any radio set.

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PERFECT VARIABLE RESISTOR

This ideal variable resistance unit is offered in several ranges as, for instance, from 10,000 to 100,000 ohms. These units are recommended by radio engineers for B-battery eliminators and solve the problem of obtaining variable voltage control from the B-eliminator. For fixed resistance units, always specify the Bradleyunit.

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The grid circuit is the most sensitive part of your radio set. Get the best results by using the Bradleyleak which has an adjustable range from ¼ to 10 megohms. You can instantly get the best grid leak resistance for any tube by turning the small knob. Ask your dealer about the Bradleyleak, today.

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Radiophone Broadcasting Stations

Corrected Every Issue—Part I

United States

AT9, Fort Bragg, N. C. 434.5m-690kc. 750 watts. U. S. Government. Announcer, Lieut. James Y. LeGette. Slogan, "The Pioneer Broadcasting Station of the Army." Tues, Thurs, Sat, 8-9:55 pm, dance music, talks, bands, fights. Sun, 8-9:55 pm, service. Eastern.

KDKA, E. Pittsburgh, Pa. 309.1m-970kc. 1,000 watts. Westinghouse Elec. & Mfg. Co. Announcer, George S. Ryan. Slogan, "The Pioneer Broadcasting Station of the World." Daily ex Sun, 9:45-10 am, 11:55, time, 12, market reports, weather; 2:30-5:30, music; 7, 9:55, time, daily except Sun, Sat; 12:15 pm; 7:45 pm, talks. Daily ex Sat, Sun, 8:30 pm; 8:45, concert; 9:55, time. Sat, 8:45 pm, concert; 9:55, time. Tues, Thurs, 10:30 pm. Sun, 9:45 am, 3 pm, 3:45, 6:45. Eastern.

KDLR, Devils Lake, N. Dak. 230.6m-1300kc. 5 watts. Radio Elec. Co.-Wilson Ins. Agency. Daily ex Sun, 12:10 pm, weather; 6:15, markets. Mon, 9:30-11:30 pm. Sun, 11 am, church. 4:30-6. Central.

KDYL, Salt Lake City, Utah. 245.8m-1220kc. 50 watts. Newhouse Hotel. Announcer, Gene Pack. Slogan, "Out on the Great Divide." Daily ex Sun, 3-4 pm, 6:30-8, news, music, entertainment. Sun, 11-1 am. Mountain.

KFAB, Lincoln, Nebr. 340.7m-880kc. 1,000 watts. Nebraska Buick Auto Co. Announcer, Gayle Grubb. Daily ex Sun, 9:30-9:55 am, weather reports; 3-4 pm, Mon, Tues, Wed, Fri, 10:30-11 am, home economics. 1:15-1:30 pm, talks; 3:30-4 pm, 5:30-6:30, 8:05-8:30, college of agriculture; 8:30-10:30. Tues, Sat, 3-4 pm. Sat, 9:30-9:55 am; 5:30-6:30 pm, 8:30-10, 12-2 am. Sun, 4-5 pm; 9-11. Central.

KFAD, Phoenix, Ariz. 272.6m-1100kc. 100 watts. Electrical Equip. Co.-McArthur Brothers Mercantile Co. Announcer, Arthur C. Anderson. Slogan, "The Voice of Phoenix." Daily ex Sun, Mon, 6-7 pm, 8-9. Daily ex Sun, Wed, 6-7 pm; 9-11, concert, news, stocks. Mountain.

KFAF, San Jose, Calif. 217.3m-1380kc. 50 watts. Alfred Fowler.

KFAU, Boise, Idaho. 280.2m-1070kc. 750 watts. Boise H. S.

KFBB, Havre, Mont. 275.1m-1090kc. 50 watts. F. A. Buttrey Co. Announcer, E. A. Baer. Daily ex Sun, 12:45 pm, music, markets, weather, reports. Mountain.

KFBC, San Diego, Calif. 215.7m-1390kc. 50 watts. W. K. Azbill. Sun, 9-10 am, Bible lesson, sermon. Pacific.

KFBK, Sacramento, Calif. 247.8m-1210kc. 100 watts. Sacramento Bee. Mon, Thurs, Sat, 7:30-10 pm. Mon, 6 pm. Pacific.

KFBL, Everett, Wash. 223.7m-1340kc. 100 watts. Lesse Bros. Daily, 7:30-8:30 pm. Pacific.

KFBS, Trinidad, Colo. 238m-1260kc. 15 watts. "The Fisher Peak Station." School District No. One. Second and fourth Mondays, 7:30-9:30 pm. Mountain.

KFBU, Laramie, Wyo. 270.1m-1110kc. 500 watts. Bishop N. S. Thomas.

KFCB, Phoenix, Ariz. 238m-1260kc. 125 watts. Nielsen Radio Supply Co. Announcer, E. A. Nielsen. Slogan, "When It's Wintertime in Michigan, It's Summer Time Down Here." Daily ex Sun, 8-8:15 am. Mon, Wed, 8-9 pm. Sat, 7-8 pm; 12-2 am. Mountain.

KFDD, Boise, Idaho. 278.6.m-1080kc. 50 watts. St. Michael's Episcopal Cathedral. Closed for the summer.

KFDM, Beaumont, Tex. 315.6m-950kc. 500 watts. Magnolia Petroleum Co. Announcer, Magnolene Mike. Slogan, "Kall for Dependable Magnolene." Tues, Fri, 12:30-12:55 pm, band concert; 7-7:30 children's hour; 8-10, concerts. Sun, 11-12 m, 8-9 pm. Central.

KFDX, Shreveport, La. 230.6m-1300kc. 100 watts. First Baptist church. Announcer, Hugh Claycomb. Sun, 10:50 am; 7:45 pm. Wed, 9-10 pm. Central.

KFDY, Brookings, S. D. 272.6m-1100kc. State College of Agriculture and Mechanical Arts.

KFDZ, Minneapolis, Minn. 230.6m-1300ks. 10 watts. Harry O. Iverson. Tues, 9 pm. Sun, 5:45 pm. Central.

KFEC, Portland, Ore. 247.8m-1210kc. 50 watts. Meier & Frank Co., Inc. Daily ex Sun, 12 m, weather, reports; 4-5 pm, music; 6:30 pm, weather, crop, markets, reports. Sat, 11 am-12 m, children's hour. Pacific.

KFEL, Denver, Colo. 254.1m-1180kc. 50 watts. W. L. Winner, Inc. Announcer, Eugene P. O. Fallon. Daily ex Sun, 11 am, 2 pm, 4, 5. Tues, 9-10 pm; Thurs, 8-12 midnight. Mountain.

KFEQ, Oak, Nebr. 267.7m-1120kc. 500 watts. J. L. Scroggin. Announcer, G. G. Scroggin. Daily ex Sun, 2-3 pm, orchestra; 8:30-10. Sun, 4:30-6 pm. Central.

KFEY, Kellogg, Idaho. 232.4m-1290kc. 10 watts. Bunker Hill & Sullivan Mining & Con. Co. Announcer, Walter C. Clark. Slogan, "Voice of the Coeur D'Alenes." Mon, Wed, 6-7 pm, Sat, 9-11 pm. Sun, 6-7 pm. Pacific.

KFFP, Moberly, Mo. 241.8m-1240kc. 50 watts. First Baptist Church. Announcer, Granville Ray Boots. Slogan, "The Gospel Messenger of the Air."

KFGQ, Boone, Iowa. 225.4m-1330kc. 10 watts. Boone Biblical College.

KFH, Wichita, Kan. 267.7m-1120kc. 500 watts. Hôtel Lassen. Announcer, J. L. Fox. Daily ex Sun, 9-11 am, 1-2 pm. Mon, Wed, Fri, Sat, 7-8 pm. Central.

KFHA, Gunnison, Colo. 252m-1190kc. 50 watts. Western State College of Colorado. Announcer, E. Russell Wightman. "Where the Sun Shines Every Day." Tues, Fri, 7:30 pm, musicale; 9:30, orchestra. Mountain.

KFHL, Oskaloosa, Iowa. 239.9m-1250kc. 10 watts. Penn College.

KFI, Los Angeles, Calif. 467m-642kc. 4,000 watts. Earle C. Anthony, Inc. Announcer, Robert Hurd. Slogan, "A National Institution." Daily ex Sat, Sun, 5:30-11 pm. Sat, 5:30-2 am. Sun, 10-11 am, 4-5 pm, 6:30-11, 11-12:30 pm, first and third Sunday of month. Pacific.

KFIF, Portland, Ore. 247.8m-1210kc. 100 watts. Benson Polytechnic School.

KFIO, Spokane, Wash. 265.3m-1130kc. 100 watts. North Central High School.

KFIQ, Yakima, Wash. 256.3m-1170kc. 100 watts. First Methodist Church. Announcer, Dr. I. M. Miller. Wed, 7:30 pm, organ. Sat, 7 pm. Sun, 11 am, 7:30 pm. Pacific.

KFIU, Juneau, Alaska. 225.4m-1330kc. 10 watts. Alaska Elec. Light & Power Co. Announcer, O. E. Schoembell. Closed for the summer.

KFIZ, Fond du Lac, Wis. 272.6m-1100kc. 100 watts. Daily Commonwealth. Announcer, Albert Mayer. Daily ex Sun, 5 pm, news, markets, weather. Sun, 6-7 pm. Central.

KFJB, Marshalltown, Iowa. 247.8m-1210kc. 10 watts. Marshall Electric Co. Announcer, E. N. Peak. Slogan, "Marshalltown, the Heart of Iowa." Daily ex Sun, 10 am, markets. Tues, Fri, 8:30 pm. Central.

KFJC, Junction City, Kan. 218.8m-1370kc. 10 watts. R. B. Fegan.

KFJF, Oklahoma City, Okla. 260.7m-1150kc. 500 watts. National Radio Mfg. Co. Announcer, Tired Hand. Slogan, "Radio Headquarters of Oklahoma City—The City of Opportunity." Daily ex Sun, 9:40 am, 12:15 pm, markets; 2:15, markets; 3, 4, 5, 6, 7, baseball; 12:20 pm, 7:15, School of Citizenship; 6:30, weather news, 6:30-7:30. Mon, Thurs, Fri, Sat, 8:15-10:45 pm. Wed, 11-12 midnight. Sat, 11-11:30, American Legion. Sun, 10-11 am, 11-12:30, 2:30-4, 8-9:30, 9:30-10. Central.

KFJI, Astoria, Ore. 245-8m-1220kc. 10 watts. E. E. Marsh and Liberty theater. Announcer, E. E. Marsh. Wed, 9-10 pm, organ. Sun, 12:30-1:30 pm. Sun, 10:30-11 pm. Pacific.

KFJM, Grand Forks, N. D. 277.6m-1080kc. 100 watts. University of North Dakota. Slogan, "Grand Forks, The Educational Center of the State." Daily, 12m, 6 pm, 8 Central.

KFJR, Portland, Ore. 263m-1140kc. 50 watts. Ashley C. Dixon & Son. Mon, 7:30-8:45 pm. Tues, 7:15-8:15 pm; 9:15-10:45. Wed, 7:30-8:30 pm. Thurs, 7:30-8:30 pm; 9-10:30. Sat, 1:30-3 pm. Pacific.

KFJY, Fort Dodge, Iowa. 245.8m-1220kc. 50 watts. Tunwall Radio Co. Announcer, Carl Tunwall. Daily, 5:30 pm, markets, news, weather, bulletins. Wed, 10-11:30 pm. Sun, 11 am, church; 8:15 pm, orchestra. Central.

KFJZ, Fort Worth, Texas. 254.1m-1180kc. 50 watts. W. E. Branch.

KFKA, Greeley, Colo. 272.6m-1100kc. 50 watts. Colorado State Teachers' College. Announcer, John Henry Shaw.

KFKU, Lawrence, Kan. 275.1m-1040kc. 500 watts. University of Kansas. Off the air for the summer.

KFKX, Hastings, Nebr. 288.3m-1040kc. 5,000 watts. Westinghouse Elec. & Mfg. Co. Slogans, "The Empress of the Air," "The Pioneer Re-Broadcasting Station of the World." Daily ex Sun, 5:15-6:15 pm, KDKA programs. Daily ex Sat, Sun, 9:30 am, 10:30, 12:30 pm, 3, 7, markets. Mon, Thurs, Fri, 9-11 pm, music. Sat, 9:30 am, 10:30, 12:30 pm. Central.

KFKZ, Kirksville, Mo. 225.4m-1330kc. 10 watts. Kirksville Chamber of Commerce. Mon, 8-10:30 pm, Sun, 3:30-4:30 pm. Central.

KFLR, Albuquerque, N. M. 254.1m-1180kc. 100 watts. U. & N. M.

KFLU, San Benito, Texas. 236.1m-1270kc. 10 watts. Benito Radio club. Announcer, R. W. Thacker. Slogan, "Heart of the Magic Valley." Mon, Thurs, Sat, 8:30-10 pm, concert. Sat, 8:30 pm, Sunday school lesson. Central.

KFLV, Rockford, Ill. 228.9m-1310kc. 200 watts. Swedish Evangelical Mission Church. Announcer, A. T. Frykman. Fri, 8:30 pm. Sun, 12:30 pm, service for shut-ins (Swedish); 9:30, service (English). Central.

KFLX, Galveston, Texas. 239.9m-1250kc. 10 watts. George R. Clough.

KFLZ, Anita, Iowa. 272.6m-1100kc. 100 watts. Atlantic Automobile Co. Operated by Walnut Grove Hog Remedy Co. Announcer, H. A. Marshall. Daily ex Sun, 11:50-12:30 pm, question box, markets. Tues, 8:30-9:45 pm, band. Wed, 8:30-10 pm. Central.

KFMR, Sioux City, Iowa. 260.7m-1150kc. 100 watts. Morningside College. Announcer, Jesse C. Ducommun. Wed, 9:15 pm. Central.

KFMW, Houghton, Mich. 263m-1140kc. 50 watts. M. G. Sateren (announcer). Sun, 3-4:30 pm.

KFMX, Northfield, Minn. 336.9m-890kc. 500 watts. Carleton College. Off the air for the summer.

KFNF, Shenandoah, Iowa. 461.3m-650kc. 1000 watts. Henry Field Seed Co. Announcer, Henry Field. Slogan, "Friendly Station in a Friendly Town." Daily ex Sun, 7-7:30 pm, 12:15-2 pm; 2:45-4, rocking chair time; 7-9 pm. Sun, 10:45 am, 2:30 pm, 3-4, services; 6:30-7:30, Golden Rule; 7:30-8:30, church service. Central.

KFOA, Seattle, Wash. 454.3m-660kc. 1,000 watts. Rhodes Dept. Store. Slogan, "The Gateway to the Orient." Daily ex Sat, Sun, 12:30-1:30 pm. Daily ex Sun, 10-10:30 am, homemakers hour; 3-4 pm, women's clubs; 4:15-5, news; 6:25-10 pm. Daily ex Sun Thurs, 8:30-10 pm. Times program. Mon, Wed, Fri, 6:45-8:15 pm, studio music. Tues, Sat, 10-11:30 pm, orchestra; Fri, 10:30-12 mid, Hoot Owls, KGW. Central.

KFOB, Burlingame, Calif. 225.4m-1330kc. 50 watts. Burlingame KFOB, Inc. Tues, Thurs, 8-12 mid, Sat, 5:30-6 pm, 8-12. Pacific.

KFON, Long Beach, Calif. 232.4m-1290kc. 500 watts. Nichols & Warriner, Inc. Slogan, "Where Your Ship Comes In." Daily ex Sun, Mon, 11:30-12:30 pm; 2:30-4:30, 5-12. Mon, 11:30-12:30 pm, 4-4:30, 5-12. Sun, 2:30-4 pm, 5-11. Pacific.

KFOO, Salt Lake City, Utah. 236.1m-1270kc. 250 watts. Latter Day Saints University. Announcer, Don C. McRae.

KFOR, David City, Nebr. 225.4m-1330kc. 100 watts. David City Tire & Elec. Co. Announcer, Frank W. Trotter. Slogan, "The Voice of David City." Mon, Thurs, 7:30-9:30 pm. Central.

KFOT, Wichita, Kan. 230.6m-1300kc. 50 watts. College Hill Radio Club. Announcer, Arnold R. McClintock. Slogan, "Radiocasting Church." Fri, Sat, 12-1:30 am. Sun, 11-12:30 pm; 7:30-9, church services. Central.

KFOX, Omaha, Nebr. 247.8m-1210kc. 100 watts. Board of Education. Technical High.

KFOY, St. Paul, Minn. 252m-1190kc. 50 watts. Beacon Radio Service. Daily ex Sun, 10:05 pm. Central.

KFPL, Dublin, Texas. 252m-1190kc. 15 watts. C. C. Baxter, announcer.

KFPM, Greenville, Texas. 241.8m-1240kc. 10 watts. The New Furniture Co. Announcer, Dave Ablowich, Jr. Slogan, "The New Furniture Co., the Home of Good Furniture." Located at Greenville, Texas, Where You Find "The Blackest Land, the Whitest People." Daily ex Sun, 1 pm, music. Tues, Wed, Fri, 8 pm. Sun, 11 am, services; 7:30 pm, irregularly. Central.

KFPR, Los Angeles, Calif. 230.6m-1300kc. 500 watts. Los Angeles Co. Forestry Dept. Irregular schedule.

KFPW, Carterville, Mo. 258.5m-1160kc. 20 watts. St. Airfan Radio Corp. Daily ex Sun, Sat, 6:15-11 pm. Sat, 6:30-11 pm. Sun, 3-4 pm, 6:15-10. Pacific.

KFSG, Los Angeles, Calif. 275.1m-1090kc. 500 watts. Angeles Temple. Tues, Thurs, Fri, 10:30-12:30 pm; 2:30-3:30. Sat, 3:30-4:30 pm. Tues, 6:30-7:30 pm. Wed, 2:30-4:30 pm; 6:30-7:30. Thurs, Fri, Sat, 7:30-11 pm. Sun, 10:30-12:30 pm, 2:30-4:30, 7-9:30, 10-11. Mon, silent. Pacific.

KFUL, Galveston, Texas. 258.5m-1160kc. 50 watts. Thomas Groggan & Bros.

KFUM, Colorado Springs, Colo. 239.9m-1250kc. 100 watts. Corley Mountain Highway.

KFUO, St. Louis, Mo. 545.1m-550kc. 500 watts. Concordia Theological Seminary (Lutheran). Announcer, Herm. H. Hohenstein. Daily ex Sun, Sat, 3 pm. Mon, 8 pm. Tues, 6:30 pm. Wed, 9:15 pm. Fri, 9:30 pm. Sat, 7:45 pm. Sun, 4 pm, 9:15. Central.

KFUP, Denver, Colo. 234.2m-1280kc. 50 watts. Fitzsimons General Hospital, Educational and Recreational Dept.

KFUR, Ogden, Utah. 223.7m-1340kc. 100 watts. Peery Building Co. Tues, Thurs, Sat, 9:50-11:50 pm, dance music. Mountain.

KFUS, Oakland, Calif. 256.3m-1170kc. 50 watts. The Gospel Radio. Slogan, "The City of Opportunity."

KFUT, Salt Lake City, Utah. 260.7m-1150kc. 100 watts. University of Utah.

KFUU, Oakland, Calif. 220.4m-1360kc. 50 watts. H. C. Colburn, E. L. Mathewson. Announcer, H. C. Colburn. Slogan, "The Voice of Automobile Row." Daily ex Sun, 10:45-11:45 am; 6:30-7:15 pm. Tues Thurs, 8-10 pm. Sat, 6:30-2 am. Sun, 8-9:30 pm. Pacific.

KFVD, San Pedro, Calif. 205.4m-1460kc. 50 watts. McWhinnie Elec. Co.

KFVE, University City, Mo. 239.9m-1250kc. 500 watts. Film Corp. of America. Daily ex Thurs, Sun, 9:15 pm. Central.

KFVG, Independence, Kan. 236.1m-1270kc. 15 watts. First Methodist Episcopal church. Sun, services.

KFVI, Houston, Texas. 239.9m-1250kc. 10 watts Headquarters Troop 56th Cavalry Brigade.

KFVN, Fairmont, Minn. 227m 1320kc. 50 watts. Carl E. Bagley. Slogan, "The Voice of Martin County." Mon, Wed, Fri, 9 pm. Sun, 3 pm. Central.

KFVS, Cape Girardeau, Mo. 223.7m-1340kc. 50 watts. Hirsch Battery & Radio Co. Announcer, W. W. Watkins. Slogan, "The City of Opportunity." Daily ex Sun, 12:15 pm, news, markets. Mon, Thurs, 7:30 pm. Sun, 11 am, church. Central.

KFSD, San Diego, Calif. 245.8m-1220kc. 500 watts. Airfan Radio Corp.

KFVY, Albuquerque, N. M. 249.9m-1200kc. 10 watts. Radio Supply Co. Announcer, J. F. Walsh. Slogan, "Center of the Sunshine State." Daily ex Sun, 5:30-6:30 pm, dinner concert; baseball. Tues, Fri, 8-9:30 pm, dance music. Mountain.

KFWA, Ogden, Utah. 260.7m-1150kc. 500 watts. Browing Brothers Co. Announcer, James P. Taylor. Slogan, "Keeping Friends with All." Daily ex Sun, 4-5 pm; 5-6. Mon, Fri, 9-10 pm; 10-11. Wed, Sat, 9-11 pm. Mountain.

KFWB, Hollywood, Calif. 252m-1190kc. 500 watts. Warner Brothers. Announcer, Charlie Wellman.

KFWC, San Bernardino, Calif. 211.1m-1420kc. 50 Watts. L. E. Wall.

KFWF, St. Louis, Mo. 214.2m-1400kc. 250 watts. St. Louis Truth Center. Slogan, "The Voice of Truth." Announcer, Rev. Charles H. Hartmann. Thurs, 10:45 am; 12 m; 7:45 pm. Sun, 10:45 am; 7:45 pm. Central.

KFWH, Chico, Calif. 254.1m-1180kc. 100 watts. F. Wellington Morse, Jr. Slogan, "Kind Friends We're Here." Daily ex Sun, 10:30-11:30 am, 6:15-6:30 pm, news, music. Mon, Wed, Fri, 8-10 pm, 12-1:30 am; Sun, 9:30 am. Pacific.

KFWI, South San Francisco, Calif. 225.4m-1330kc. 500 watts. Radio Entertainments, Inc. Mon, Wed, Thurs, Fri, 1-2 pm. Mon, Wed, Fri, 8-9 pm. Mon, 9-12 pm. Wed, Fri, 9-1 am. Thurs, 10-12 midnight. Sat, 1:30-3 am. Sun, 10 am, 1-2 pm, 8-12 midnight. Pacific.

KFWM, Oakland, Calif. 206.8m-1450kc. 250 watts. Oakland Educational Society.

KFWO, Avalon, Calif. 211.1m-1420kc. 250 watts. Major Lawrence Mott-Signal Corp. Slogan, "Katalina for Wonderful Outings." Daily, 12:30-1:30 pm, 7:30-9. Tues, Fri, Sun, 5-6 pm. Pacific.

KFWU, Pineville, La. 238m-1260kc. 100 watts. Louisiana, La.

KFWV, Portland, Ore. 212.6m-1410kc. 50 watts. Wilbur Jerman, Inc. Daily ex Sun, 10-11 am; 3-4 pm; 4-12. Sun, 11-2 pm; 4-5; 6-7. Pacific.

KFXB, Big Bear Lake, Calif. 202.6m-1480kc. 500 watts. Bertram O. Heller. Slogan, "Rim of World Station." Daily ex Sun, 5 pm. 8, news, weather, road reports. Pacific.

KFXD, Logan, Utah. 205.4m-1460kc. 10 watts. Service Radio Co.

KFXF, Colorado Springs, Colo. 249.9m-1200kc. 500 watts. Pikes Peak Broadcasting Company. Announcer, W. D. Pyle. Slogan, "The Pikes Peak Station." Tues, Fri, Sat, 4:30 pm. Sun, Tues, Fri, Sat, 8 pm. Mon, Thurs, 9 pm. Sun, 11 am. Mountain.

KFXH, El Paso, Texas. 241.8m-1240kc. 50 watts. Bledsoe Radio Company. Announcer, Chuck Swann. Slogan, "The Voice of the Rio Grande." Mon, Wed, Fri, 8-10 pm. Mountain.

KFXJ, Colorado, 215.7m-1390kc. 10 watts. Mountain States Radio Distributors, Inc. (Portable.)

KFXR, Oklahoma City, Okla. 214.2m-1400kc. 15 watts. Classen Film Finishing Company.

KFXY, Flagstaff, Ariz. 205.4m-1460kc. 50 watts. Mary M. Costigan.

KFYF, Oxnard, Calif. 205.4m-1460kc. 10 watts. Carl's Radio Den. Announcer, Carl Newcomb. Slogan, "The Baby Super Station." Daily ex Sun, 5-6 pm, weather, crops, news, music. Pacific.

KFYJ, Houston, Texas. 238m-1260kc. 10 watts. Houston Chronicle Pub. Co.

KFYO, Texarkana, Tex. 209.7m-1440kc. Buchanan-Vaughan Co. Central.

KFYR, Bismarck, N. D. 247.8m-1210kc. 10 watts. Hoskins-Meyer, Inc.

KGO, Oakland, Calif. 361.2m-830kc. 4,000 watts. Gen. Elec. Co. Announcer, Howard I. Milholland. Daily ex Sun, 7:15-7:45, 8:15 am, exercises; 8:30, daily strength; 11:30 am, luncheon concert. Daily ex Sat, Sun, 1:30 pm; Sat, 12:30 pm, markets, weather. Mon, Wed, Fri, 3 pm, music. Daily ex Sun, Mon, 4-5:30 pm, concert orchestra. Mon, Tues, Wed, Fri, 6-7 pm, music. Mon, Tues, Thurs, Sat, 8-10 pm, lectures, music. Tues, Thurs, Sat, 8-12. Mon, 5:30-6 pm. Children's half hour. Mon, Tues, Wed, Thurs, Fri, 6:55 pm, stocks, markets, weather, news. Thurs, 5:30-6:30 pm, boys' hour. Fri, 5-5:30 pm, girl's half hour. Sun, 11-12 m, 8 pm, church services; 3:30-5 pm, Little Symphony orchestra. Pacific.

KGTT, San Francisco, Calif. 206.8m-1450kc. 50 watts. Glad Tidings Temple. Daily ex Sun, 12:15 pm, Wed, Thurs, 2:30-3:30 pm. Tues, Wed, Fri, 8-10 pm. Sun, 2:30-3 pm; 3-5, 8-10. Pacific.

KGU, Honolulu, Hawaii. 270.1m-1110kc. 500 watts. Marion A. Mulrony, The Honolulu Advertiser. Announcer, Raymond A. Tilford. Daily, 7:30-9 pm. Tues, Thurs, Sat, special program. Sun, 11 am; 7:30 pm. 157½ meridian. 2½ hours earlier than Pacific.

KGW, Portland, Ore. 491.5m-610kc. 1000 watts. Portland Morning Oregonian. Announcer, Dick Haller. Slogan, "KGW, Keep Growing Wiser." Daily ex Sun, 10-11:30 am; 12:30-1:30 pm; 6-7. Daily ex Sat, Sun, 7:30-8 pm. Tues, Fri, 2-3:30 pm. Mon, Tues, Thurs, 8-12 mid. Wed, 8-10 pm. Fri, 8-9, 10:30-12. Sat, 10-12 mid. Sun, 10:30-12 noon, 7:30-10 pm. Pacific.

KGY, Lacey, Wash. 245.8m-1220kc. 50 watts. St. Martins College. Announcer, Sebastian Ruth. Slogan, "Out Where the Cedars Meet the Sea." Sun, Tues, Thurs, 8:30-9:30 pm. Pacific.

KHJ, Los Angeles, Calif. 405.2m-740kc. 500 watts. Los Angeles Times. Announcer, John S. Daggett. Slogan, "Kindness, Happiness, Joy." Daily ex Sun, Mon, 12:30-1:30 pm; 6:30-11. Mon, 12:30-1:30 pm. Sun, 10-12:30 pm, 6-7:30, 8-11. Pacific.

KHQ, Spokane, Wash. 394.5m-760kc. 1000 watts. Louis Wasmer, Inc. Announcer, C. P. Underwood. Slogan, "In the Friendly City." Daily ex Sun, 12:30 pm, weather, stocks. Mon, Tues, 2-3 pm, 7-9. Tues, 9-10. Thurs, Fri, 2-3 pm; 8-10. Sat, 2-3 pm; 9-10. Sun, 11 am; 7-8:30 pm. Every other Mon, 11-12 mid. Pacific.

KIAF, Sihtipoc, Minn. 422.3m-710kc. 500 watts. Steele Co. Slogan, "Far from the Maddening Crowd." Mon, Wed, Fri, 7-8 pm. Sun, 2-3 pm. Central.

KJBS, San Francisco, Calif. 220.4m-1360kc. 5 watts. Julius Brunton & Sons Co. Announcer, Edward Ludes. Daily ex Sun, 9-10:40 am; 2-2:30 pm. Mon, Wed, 8-10 pm. Fri, 8-11:30 pm. "Royal Order of Smoked Herring." Sun, 5-6:30 pm. Pacific.

KJR, Seattle, Wash. 384.4m-780kc. 1,000 watts. Northwest Radio Service Co. Announcer, W. C. Gordon. Daily ex Sun, 11:30-12 m, 12 m, time; 5:40-6, 6, time; 6-6:30; 8:30-10, 10. Daily ex Sun, Sat, 8:30-10 pm; Thurs, 8:30-12 mid. Sun, 11-12:30 pm; 7:15-7:30; 7:30-9; 9-10:30. Pacific.

KLDS, Independence, Mo. 440.9m-680kc. 1,000 watts. Reorganized Church of Jesus Christ of Latter Day Saints. Announcer, Arthur B. Church. Tues, Fri, 6:30 am. Tues, 6:30 am, 8 pm. Thurs, 8 pm. Fri, 5 am. Sat, 8 pm. Sun, 11 am, 3 pm, 6:30, 9:15. Central.

KLS, Oakland, Calif. 249.9m-1200kc. 250 watts. Warner Bros. Radio Supplies. Announcer, Ralph Moore. Slogan, "The City of Golden Opportunity." Sun, 10-11 am. Pacific.

KLX, Oakland, Calif. 508.2m-590kc. 500 watts. Oakland Tribune. Announcer, Charles H. Gabriel, Jr. Slogan, "Where Rail and Water Meet." Mon, 6:30-7:30 pm; 8-10:30. Tues, Thurs, Sat, 3-5 pm; 7-7:30. Wed, Fri, 3-5 pm; 6:30-7:30; 8-10:30. Pacific.

KLZ, Denver, Colo. 265.3m-1130kc. 250 watts. Reynolds Radio Co. Announcer, Stuart C. Barshy. Slogan, "Way Out West in Denver." Mon, 9-11 am, 3-4 pm, 8-12. Tues, 8-9 pm, 10-11. Wed, 9-11 am, 3-4 pm, 8-10. Thurs, 6:30-8 pm. Fri, 9-11 am, 3-4 pm, 8-10. Sat, 3-4 pm, 6:30-12:45. Sun, 5-6 pm, 6:30-9:45. Mountain.

KMA, Shenandoah, Iowa. 461.3m-650kc. 500 watts. May Seed & Nursery Co. Daily ex Sun, 5:30-7 am, 11:30-12:30 pm, 6-7, 9-11. Sun, 12:15-1:30 pm, 4-6. Central.

KMJ, Fresno, Calif. 234.2m-1280kc. 50 watts. Fresno Bee. Mon, Wed, Fri, 7:15-9:15 pm. Pacific.

KMMJ, Clay Center, Nebr. 228.9m-1310kc. 1,000 watts. M. M. Johnson Co. Daily ex Sun, Wed, 10 am, 1:30 pm, 8:30. Sun, 9:15 pm. Central.

KMO, Tacoma, Wash. 249.9m-1200kc. 100 watts. Association Station. (Love Electric Co.) Mon, Wed, Fri, 6-7 pm, popular program; 9-10, artist's program. Pacific.

KMOX, St. Louis, Mo. 280.2m-1070kc. The Voice of St. Louis. Announcer, George Junkin. Daily ex Sun, 8:40 am, 12:40, housewife talks; 11:15, housewife talks; 3-5, music; 6:30-7, organ; 7-11, music; Sun, 9-10:30 pm, music. Central.

(Note—The second part of the station data list will appear next issue.)

CHALLENGE!

ONE DOLLAR will be paid to the Radio fan submitting the most errors in any one station's listing in this directory. Letters must reach Radio Digest office not later than one week from date of issue corrected. Readers are not limited to correcting one station, but such corrections must be certified by the stations themselves, and NOT by comparison to other so-called accurate broadcasting directors and lists. Readers also must live in same state or province as stations corrected are located. Station verifications must accompany corrections.

That's just how sure Radio Digest is that this broadcasting station directory is correct! To make the challenge fair for everyone, broadcasting stations and their employes are barred from this offer. Why? Because the broadcasters are the source of all the data given herein. They are (or should be) interested enough to answer the inquiry sent them every time data on their station appears. This inquiry contains a proof of their last listing and must either be corrected or O K'd as correct and returned to the Digest. Nevertheless, sometimes the stations are careless and mistakes are made. But Radio Digest is so sure of the exactness of this directory that this challenge is made unconditionally.

With reference to the directory: It appears in six parts, serially continuously; the first four parts are station data listings, arranged alphabetically; the fifth part is a state, city index of stations; the sixth part is a wave length index. The information contained in each station data listing is given in the following order: Call letters, city, state, wave length used, watts antenna input, owner's name, announcer's name, slogan used if any, name of listener in "club," schedule of operating hours, and kind of time used, as "Central," "Mountain," etc.

Six successive issues of Radio Digest will give one the most complete and accurate list of broadcasting stations obtainable. This service is original with this publication, and has been maintained from the start. Right of reproduction without permission of any or all of the data contained herein is forbidden.

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Radio Digest

TWICE A MONTH

Illustrated

FIFTEEN CENTS

SECOND AUGUST NUMBER

Title Reg. U. S. Pat. Off. & Dom. of Canada

Vol. XVIII No. 3

Beginning "Pretense," a Romance of the Chicago Supper Club, by Maurice R. Coons; Don't Guess—Measure Voltage; Conclusion of "The Fall Guy"; Gold Cup Standings

No. 13 OFFICIAL BALLOT

Announcers' Contest

RADIO DIGEST THIRD ANNUAL GOLD CUP AWARD

GOLD CUP AWARD Editor, Radio Digest,
510 North Dearborn Street, Chicago, Ill.

Please credit this ballot to:

.....of Station.....
(Announcer's Name) (Call Letters)

Signed .....

Address .....

City .....State.....

8-15-26

LEADERS SPEED UP IN DIGEST CLASSIC

WESTERN ENTRIES HARD PUSHED BY N. Y., MASS.

Gold Cup Derby to Be Hot Finish With Dark Horses Forging to the Front

There they go! There they go!

Keep your eyes on the winners. The Radio Digest Gold Cup derby for the world's most popular announcer is heading for the last lap around.

Anything is likely to happen from now on. Arkansas and Iowa still hold the lead, with Massachusetts and New York close behind.

Gaylord of WTAG, Worcester, nosed out his fellow Easterner, Brokenshire of WJZ, New York, on the last lap, for third place.

Arnoux of Hot Springs made a remarkable spurt on the backstretch and comes around past the grandstand leading by a gain of 35 per cent over his previous standing. But he had to do it. May of KMA, Shenandoah, was crowding him. May jumped more than 12,000 votes over the lead Arnoux had on the last time around. Arnoux snapped ahead with a gain of 16,086 votes. May picked up 10,900 new ones.

Gaylord added 7,258 new votes while his leading competitor, Brokenshire, only gathered 3,633 extras. It's going to be a hot race from now on between these four with the ever constant possibility that any one of the twenty-one other entries may spring a surprise by a grist of bonus votes forcing them ahead of the pacemakers.

Gaylord Dark Horse

Gaylord has been the dark horse from the start. Trotting along in sixteenth place he made a sudden spurt in the tenth lap, passing a whole string of others, so that he swept past the grandstand in sixth place. He then steadied into the leaders' pace but worked gradually ahead to fourth place on the eleventh lap, and now he is into third. Is that his best? The next time around will show Eyes of the East are betting on him strong and are holding Brokenshire in reserve.

Pat Barnes of WHT, Chicago, is considered another mystery candidate and although he seems to have been satisfied with trailing the four horsemen in the lead, some of the fan letters state that they are counting on him for a whirlwind dash at the last quarter-post. He gained 10,030 votes the last time around, which was almost as much as Gaylord and Brokenshire together.

There are very few changes among the trailers. Old King Cole at WHO, discovering that he was at the tail end the last time around, took a fresh breath and scampered up ahead of Sen Kaney and Eugene Konecky. Kaney kept right up close, leaving Konecky to take the dust of the whole field.

How They Stand

Here is the order as the judges called them off on the last lap, with figures in parenthesis indicating the position the previous time around:

1. G. C. Arnoux, KTHS (1).....63,247
2. Earl E. May, KMA (2).....46,365
3. C. Gaylord, WTAG (4).....35,294
4. N. Brokenshire, WJZ (3).....33,091
5. Pat H. Barnes, WHT (5).....28,522
6. A. S. Kyrie, KMMJ (6).....14,563
7. Henry Field, KFNF (7).....13,065
8. The Hired Hand, WBAP (8).12,756
9. Phillips Carlin, WEAF (9).. 8,084
10. Peter MacArthur, WOC (10) 6,789
11. C. R. Randall, WSMB (11).. 5,561
12. Louis J. Johnen, WLW (12) 5,223
13. R. W. Griffin, WHO (14)..... 4,472
14. Gayle V. Grubb, KFAB (13) 4,091
15. Lester Palmer, WOAW (15) 3,825
16. Lambdin Kay, WSB (16)..... 3,146
17. W. G. (Bill) Hay, WGN (17) 2,417
18. Edw. B. Husing, WRC (18).. 2,346
19. J. T. Schilling, WHB (20).... 2,215

(Continued on page 13)

ZIEGFELD GIRL IS ON THIS FRONT COVER

ABOUT as big as a minute but gifted with a voice that has charmed the elite of both visible and invisible audiences the little song bird on the Radio Digest cover this issue found her wings "on the air." She is Miss Olga Steck of New York. She knocked in vain at the doors of the booking offices on Broadway and then found her way into the ears of the theatrical barons by singing over WJZ. Radio fans went wild over her. The magnates sought her out. First she was featured in the "Springtime of Youth," then straight to the Ziegfeld Follies, later starring in "Little Jessie James," then "China Rose," and "The Matinee Girl." But she's still a Radio girl although next season she is to be in grand opera. She walks under a five foot level without stooping and weighs one hundred and nothing.

WQJ Feature Attraction

CHICAGO.—The First National violin quartet are the feature attraction each Tuesday and Wednesday evening on the 10 o'clock program at WQJ, the Calumet Baking Powder and Rainbo Gardens.

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Radio Digest, Illustrated, Volume XVIII, Number 3, published Chicago, Illinois, August 15, 1926. Published semi-monthly on the first and fifteenth of each month by Radio Digest Publishing Co. (Incorporated), 510 N. Dearborn Street, Chicago, Illinois. Subscription rates yearly, Three Dollars; Foreign Postage One Dollar additional; single copies Fifteen Cents. Entered as second class matter May 3, 1926, at the post office at Chicago, Illinois, under the Act of March 3, 1879. Title Reg. U. S. Patent Office and Dominion of Canada.
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Looking Ahead

Romantic America Will Have All Eyes on Atlantic City During the Early Part of September when the annual beauty contest there will determine the fairest of the fair and place the crown "Miss America" on some queenly brow. Station WPG will be a favorite haunt of these exquisite damsels and you will read about it in the next Radio Digest.

New York Recently Celebrated the Second Anniversary of Its Municipal Broadcaster, WNYC, and a story of the remarkable success of this important Radio enterprise will be told in the issue of Radio Digest out August 31.

California Claims to Have the Oldest General Entertainment Broadcasting Station in the world at San Jose. A history and pictures of this interesting pioneer is being prepared for early publication in Radio Digest.

"GOODY GOODY GIRL" Is the Title of a Smart New Serial Written Especially for Radio Digest by Merlin Moore Taylor. It's a romance founded on the experiences of a charming little country girl who was whirled into a dizzy vortex of night life in a big city and it begins in the September 1 issue of Radio Digest.

All the Sham and Bluff Are Torn Away in the Final Chapter of "PRETENSE" by Maurice Coons in the September 1 issue of Radio Digest. The Prince and the Lady and the Million Dollar Hoodlum meet face to face for the final showdown. Get the beginning of the story in this issue.

Watch for Radio Digest Announcement of Its Next "WHO'S WHO IN RADIO."

Wonder What the New Sets Are Like? A review will appear in an early number showing and describing the new and better features embodied by the leading manufacturers in their 1927 model receivers. Every one will want to see this.

Helps for the Beginner—How to Operate Your Set—are topics which the "non-technical branch" of the technical department is preparing to pave the way for your better success in reception. One next issue, out August 31.

Special articles about broadcasting stations and artists, with photographs, and NON-RADIO fiction 5,000, 10,000 and 30,000 words in length are desired. No manuscripts accepted unless typewritten and prepaid, or returned without return postage being inclosed. All manuscripts are sent at owner's risk.

Newsstands Don't Always Have One Left

WHEN YOU WANT

Radio Digest

YOU WANT IT!

BE SURE OF YOUR REGULAR COPY BY SUBSCRIBING NOW

SEND IN THE BLANK TODAY

Publisher Radio Digest,
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Chicago, Illinois.

Please find enclosed check M. O. for Three Dollars (Four, Foreign) for One Year's Subscription to Radio Digest, Illustrated.

Name .....

Address .....

City .....State.....

SHORT WAVES

By Marcella
Per O. M. G.

Thunder and tarnation! Goldie Locks has packed up her vanity case and gone fishing, leaving a bulging folder all tied up with pink ribbon for a Mere Man with a low bass voice and black, curly whiskers to play Mrs. Grundy.

Just for that I'll start in on Marcella. I like the kid with her big, baby blue eyes, her fluffy, bronze hair—and, Oh Boy! She wears 'em rolled! Well, girls and boys, she's gone fishin' and all I gotta say is—pity the poor fish. We all kinda miss her with her giggling and good natured jesting and it's so quiet around the office now.

* *

"Brown Eyes," Norwalk, Ia. Lo and behold no sooner had your letter been opened, inquiring about Bobbie Griffin, announcer at WHO, Des Moines, Ia., than in walks the answer in person! He's footloose and fancy-free, too, Brown Eyes. Never been booked by Hymen, has no anticipations, he says. Has a steady, blue-gray eye and blushes furiously if you merely mention girls. He's a real war hero, signed up with his dad who is a doctor. Both served in the ambulance corps. The Heinies nicked him, too. He doesn't care much about dancing but likes to fish when the girls aren't around to rock the boat. No, I didn't tell him your real name.

* *

E. L. Tyson, announcer for WWJ, The Detroit News, has inspired a number of fair letter writers. Miss Polly writes: "I have a wager on him. Is he married and if so, how long? Age, eyes and hair—large or small? Be good and tell us, I am betting on him strong." And "A Good Listener" writes: "Is he married or single and, if married, does he live with his family? What college did he graduate from and did he serve in the war?" These questions were all put to Mr. Tyson and he replied: "Was supposed to be educated at Penn-State College a number of years ago, saw service with the Pennsylvania National Guards (103d Trench Mortar Battery) in France and Belgium. Living happily with wife and the greatest twenty-month old loud speaker in the country." Sorry, girls, but it's best to be perfectly frank. You gotta be square with the missus even if you are a popular announcer or have to sit several hours a day looking at Marcella or some other good looking girl in the office.

* *

"C. C." writes to get a line on Frank Dahm of WGN. "Is he married?" she asks, and goes on: "That seems to be the usual question to ask about one's hero, how old is he, color of his hair, favorite pastimes, how tall and all the rest of the description that goes to make up an 'ether crush.' Does he, or would he correspond with any of his admirers?" Not hard-hearted Frank, "C. C." He just never does write to the girls. He said so himself and he's all wrapped up in Radio; talks to it, on it, of it and in it and nothing else but, so it seems. He lacks an inch and a half of six feet, has brown hair, blue eyes and when I asked him if he was married he positively barked, "NO!" He's the publicity director for that Drake Hotel attic broadcaster. You ask some other questions: Don Bestor and his orchestra are not on the air at present. Jack Chapman's at WMAQ and I couldn't find out about Maurie Blumenthal.

* *

Here is another from Penn-State, Mr. Louis L. Kaufman, announcer at KDKA, Pittsburgh. He specialized in philosophy and they gave him a degree of bachelor of arts. He still is a bachelor, you know what I mean. And that will interest Adoree of Warrington, Fla., and Lucille of Weyer's Cave, Va., who have besought the details from Marcella. "And a perfect gentleman he is," quoth Mr. W. W. Rodgers, station publicity director. "He has a very gracious manner, big soulful brown eyes, brown hair, is of slight build and recently acquired a Chevrolet coupe." And Oh girls, he's 22 and not married! Mr. Rodgers says, "He does not love the great out-of-doors and he does not get lost in a big city. I believe he likes animals but don't know the particulars. He is good to his folks, plays golf, is a student of law, is not a professional alumnus of his alma mater and has the aplomb to be at ease in any company." It seems as though fair-listeners quite dote on Louis. It began with his first appearance in the studio. A woman member of the KDKA staff saw him and heard his voice as he consulted one of her confreres about a matter that had nothing whatever to do with Radio. "That boy has a wonderful Radio voice!" she exclaimed when he had passed out the door. The opinion soon brought Louis back again. He came, he spoke, he conquered.

* *

Winifred T. Barr, pianist, is back at WEAF. I understand she was her husband's (Mr. Howard Hunter) "accompanist" on a recent business trip to the Pacific Coast and Movieland—Oh! You wives! From all accounts there was as much pleasure as business. They climbed mountains, sailed in glass bottom boats, called on Major Mott at Catalina and strayed all the way to San Francisco.

(Continued on page 15)

RADIO IS FILLING ALL CHURCHES

RADIO WORLD'S FAIR STARTS BIG SEASON

ELABORATE AIR TREAT PREPARED FOR FANS

Industry's Chiefs Work Hard to Give Listeners Many Surprises—Listen Sept. 15

By Eric Palmer

NEW YORK.—Radio may annihilate space and nightly assumes a place as a miracle of science, but it takes months of preparation, sometimes, to provide those features which are sent out on the ether for the delight of millions. The human equation figures first of all.

This statement regarding lengthy preliminary activity applies in certain instances to the elaborate programs such as those sponsored by national advertisers.

It pertains more largely, however, to the very important matter of arranging for the feast of the fans that will mark the two biggest Radio weeks of the immediate future—in New York, September 13 to 18, 1926, and in the official Radio Week early next year, when transcontinental tests, if not international experiments, will be tied up with de luxe entertainment from a hundred stations in the United States and Canada.

Already leaders of Radio are busy outlining the plans for the treat in store for the invisible audience.

Plan Biggest Radio Week Ever

At the recent conventions of the Radio Manufacturers' association in Atlantic City and the Radio Apparatus Section of the Associated Manufacturers of Electrical Supplies at Hot Springs, much attention was given to the idea of conducting the biggest Radio Week ever held, although sentiment was divided as to the advisability of again holding transoceanic broadcasting tests.

A special committee has been designated to work out an agenda to be discussed at a meeting of the Radio Week committee soon to be called. Briefly stated, it all means that the fans may await in confident expectancy thrills galore during the period in question.

The most enjoyable of all Radio events last year was the broadcasting of the annual Radio Industries banquet. Within the period of a little over an hour a vast audience — probably 10,000,000 people— were reached with a program that brought the best-known Radio stars before the microphone at one time. There will be another banquet, and a bigger entertainment! Put down September 15 on your calendar and break all other engagements already made if your social activities are planned so far ahead.

Radio World's Fair Plans

Plans are progressing rapidly for live broadcast features to be given from the Radio World's Fair in New Madison Square Garden, where the Radio industry is combining all its exhibits and features, now that the exposition originally set for the Grand Central Palace has been withdrawn. These features will have a national and even international touch, and they will continue for six afternoons and evenings.

Probably rebroadcasting of a European station will be one of these special events. So get ready to dance to a waltz from London or a fox trot from Paris.

A gold medal from England, in addition to the Radio World's Fair medal and other awards, will go to the winner of the international amateur set contest, to be held at the Radio World's Fair.

Sets of exceedingly novel construction and those of proven extraordinary efficiency will be judged in New York. The winning sets in all classes will be given places of honor, too, at the Fifth Annual Radio Show in Chicago.

WGR Gives Original Speech Used to Dedicate DX Phone

BUFFALO.—WGR, Federal Radio corporation here, had the recent honor of broadcasting the original oration, by the original speaker, which was used in the first test of the long distance telephone fifty-two years ago.

F. W. Stuart, now eighty-four years of age, delivered the oration written by Dr. Talmage, entitled "The Carousal in the Palace," which the former personally delivered in the year 1874 during the first test of the telephone line between Brantford and Tutela Heights, Ontario, Canada, a distance of four miles.

Mr. Stuart, a poet and author, was a personal friend of Alexander Graham Bell, inventor of the telephone, and was invited to repeat his oration for a test a few weeks later between Brantford and Paris, Ontario, a distance of seven miles.

FEATHERED ARTISTS INNOCENTLY ON AIR

DENVER. — Feathered virtuosos were given another turn before KOA's microphones here recently when staff members were successful in broadcasting the music of meadow larks during intermissions in Clarence Reynolds' noonday organ concerts. The songsters were perched about the station on nearby telephone poles, unaware of Radio eavesdroppers. By placing a microphone in an open window of one of the studios, the bird signals were picked up without difficulty and flashed widespread to listeners.

HEIRLOOM VIOLIN IS HEARD BY WHN FANS

NEW YORK.—Those who listen to Station WHN have heard the strains of a 200-year-old Seidel violin played by Joseph Richter. Mr. Richter is a native of Bohemia but has lived here for twenty years. He studied under Krakan and Zolynsky in Poland, and for years was concert master in the Austrian army. His violin was passed down to him from ancestors who played it before many members of European royal families. He reveres the instrument as the living soul of his ancestors and plays it so.

PLAYS "HARP DE LOS ANGELES"

"Harp de Los Angeles," is owned and played by the young lady whose picture appears above. She may own and operate the harp of the angels, but she is very much alive and her name is Miss Louise Klos of KFI, Los Angeles.

If Lois Had Only Known——

STORY tellers from the beginning have touched the hearts of men by tales of unsophisticated maidenhood lured into paths of danger by the leopards of society. It's a little different today than the time of "Way Down East" but the characters much the same underneath. Lois Sylvester rebelled against the stern authority of a foster parent, boarded a train and met adventure before she was out of sight of her home town. But she fought through one snare after another until—but let's not tell the story here. Read it in Radio Digest. It's thoroughly modern by an author who has something to say and knows how to say it. GOODY GOODY GIRL by Merlin Moore Taylor starts here September 1. Don't miss a word of it.

FIGURES SHOW BROADCASTING HELPS GOSPEL

Develops New Interest

One Church Dusts 20 Years' Accumulation Off Gallery Pews Result of Being on Air

CHICAGO.—Radio religious programs are filling the churches rather than emptying them. This is the trend indicated by a survey of sacred broadcasting just made by Sears-Roebuck Agricultural Foundation.

Returns show that the church which broadcasts is on its mettle when it knows the world is listening in and puts an added zest into the music and service that brings people into the church instead of encouraging them to take their religion in comfortable doses at home.

One church in New Jersey states that since its services have begun to be sent out on the air, the gallery pews have been opened up and dusted off for the first time in twenty years.

The church that does not broadcast, on the other hand, feels the competition and makes every effort to bring its services and sermon up to the standard of the Radio churches and this, too, is filling up the empty pews.

Survey Reveals Interesting Figures

One hundred and seventy-eight Radio stations from every part of the United States and in Canada, from Saskatchewan to Montreal, participated in this survey. One hundred and three of these stations, or sixty per cent, are giving some sort of religious service or sacred music as a part of their regular programs. Four per cent are considering adding this feature and six per cent have religious observance only on such occasions as Christmas, Easter and Holy Week.

Fourteen of these 103 stations are owned or operated by some church or religious body. The rest simply include these features along with secular programs, because they feel their audiences want and appreciate them.

Sunday is the day that 86 of these stations send out their sacred programs, while 22 are on week-days. The week-day programs consist of sacred music or instructional address. A number have a brief service every morning somewhere between 7 and 8 o'clock. Actual church services are broadcast in 86 instances, while in 22 cases the religious program is prepared especially for the Radio and is sent out direct from the studio.

Ministers Co-Operate

Forty stations report definite cooperation from the ministers, none report antagonism, while the rest did not mention this angle of the situation. One or two replies told of resentment and jealousy on the part of local clergymen who were not broadcasting because their congregations were apt to stay at home to tune in on the big city churches, but these were notable exceptions.

Only two replies said that a decrease in church attendance could be traced to broadcasting, while 27 stated positively an increase. One clergyman wrote, "Since we have been broadcasting our service our church attendance has grown so rapidly that it is a problem to know how to take care of the crowds." Another pastor wrote that forty persons had recently joined his church, a direct result, he believes, from broadcasting.

A Catholic station writes that it has no effect on attendance in Catholic churches, as its members are obliged to attend every Sunday, but that the Radio furnished a means of instruction to their people that could not be given in any better way.

Great Aid to Ill and Shut-Ins

Stations from Texas and Colorado mentioned that the large number of health seekers in these states made Radio religious services a great boon, as hundreds of them could get them in no other way. Listeners are in general composed of the ill, the crippled, the very old and those isolated in rural districts. Besides these are a few whom no amount of persuasion would get into a church-going habit, but who will listen to at least part of a religious broadcast. For the rest there are a large number who both listen in and go to church for worship and for social contact. No one felt that the Radio supplants church attendance, but is an

(Continued on page 30)

WFBG "Voice of Alleghenies"

ALTOONA RADIO Station May Be Small But Is Heard from Coast to Coast—a "Wren" Among the Greater Broadcasters. Special Service Following Sporting Events by Remote Control

WERE you ever wakened in the morning by the warbling of a wren outside your bedroom window? And did you ever hear a big, black crow broadcast his dismal caw from the naked tip of a cottonwood in a cornfield.

There are Radio stations like the wren and the crow, little stations with sunshine and cheer in their voices and big stations with monotonous wails generated from limitless lung power.

One little station that might be compared to the wren is WFBG, located at Altoona, Pa. Theoretically it could be little more than a peep in the big broadcast world. It only has 100 watts to carry its voice, but that voice is packed full of good cheer, variety and it is said to carry practically as far as most of the 1,000-watt stations.

Altoona is perched up 1,200 feet above sea level in the Allegheny mountains. WFBG, with its 100 watts, literally is the "voice of the mountains." It sweeps down the East coast of the continent from Labrador to Cuba and wings westward to California and the Pacific.

"The world's champion big little broadcaster," writes Roy F. Thompson, director and announcer, and generally known to listeners as "R. T." Mr. Thompson stepped into the vacancy caused by the sudden death of Walter S. Greevy, who was a director of the National Association of Broadcasters. There are three of the Thompsons, consisting of father, mother and daughter, Miss Alice Mary Thompson, pianist and soloist. They are known as the Thompson Trio.

"I really believe WFBG has been heard a greater distance than any other 100-watt station in the world," continues Mr. Thompson, "for we have received verified proof of reception from Chulia Vista, California listeners, as well as points in southern Florida and at sea, off the Florida coast, aboard the steamship President Polk."

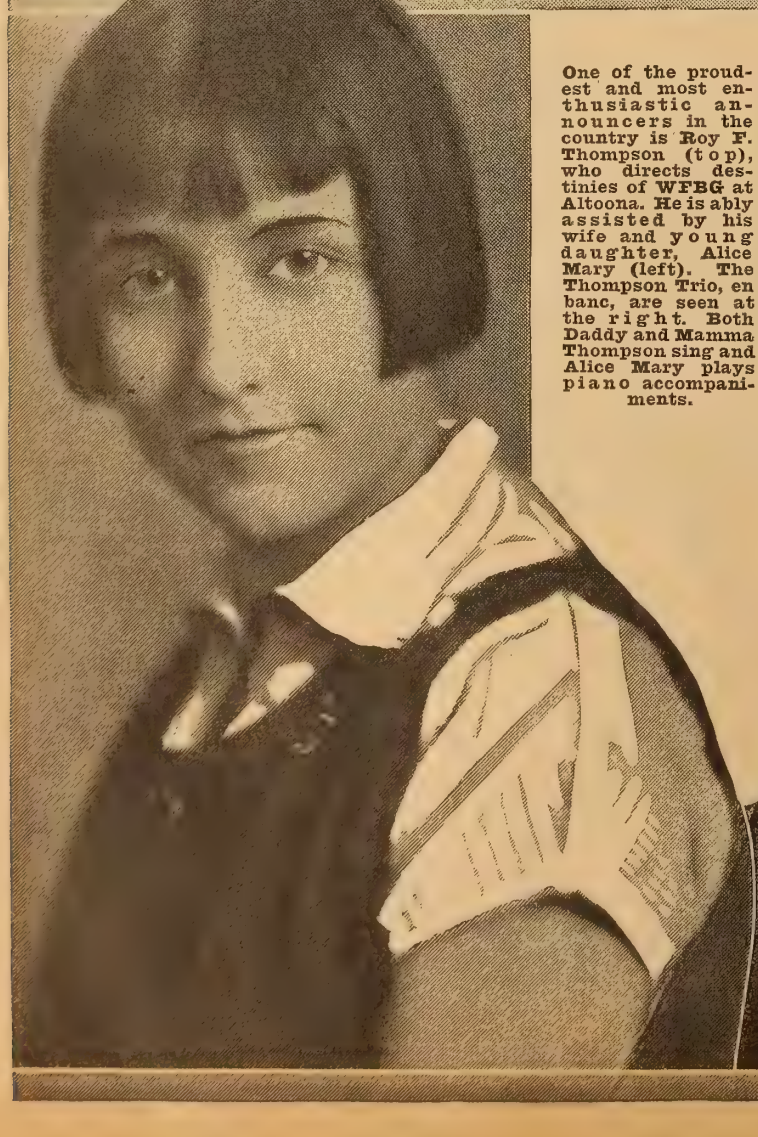
Almost every program brings a surprise of some sort to the listeners of this mountain Radio bird. It seems to waft the breeze and atmosphere of the Allegheny peaks. Perhaps the town is best known to the nation for the big speedway classics. Two great 250-mile motor races each year bring tens of thousands of visitors from all sections of the United States. This important event is graphically broadcast from various points of interest about the course.

"We began our career with the big Labor Day race," said Mr. Thompson, "in 1924, and the announcer was enabled to give an eye-witness account of the tragic finish in which Joe Boyer, apparently the winner, lost his life. We sent out details of the race on a scale that those who listened in understood more of what was going on all the way around the track throughout the progress of the race than those who were actually present and looking on. Since then we have been broadcasting semi-monthly programs by the Speedway orchestra in our Crystal studio.

"Our listeners are always interested in sporting events. We follow the World's Series games and sometimes the most important preliminary games. We also follow the local sporting news. The great championship contests by Pennsylvania railroad employes' field games were broadcast for their fans who were listening in all along the system. We had the microphone placed where we could watch every entrant, name him and announce the winner. We were on the air for eight hours straight on this occasion."

One of the unique musical treats was a band concert from Lakemont park, six miles from the station. The "mike" was placed on a float in the center of the lake, near the island bandstand. Listeners reported that the transmission was the best they had ever heard.

Station WFBG is owned and operated by the William F. Gable company and the Times-Tribune company, publishers of the Altoona Tribune. Robert B. Gable, the principal owner, is given credit by the community for bringing the station to Al- (*Continued on page 30*)



One of the proudest and most enthusiastic announcers in the country is Roy F. Thompson (top), who directs destinies of WFBG at Altoona. He is ably assisted by his wife and young daughter, Alice Mary (left). The Thompson Trio, en banc, are seen at the right. Both Daddy and Mamma Thompson sing and Alice Mary plays piano accompaniments.

Dignity and Jazz at Ohio "U"

WEAO Diversifies Varsity Lectures With Campus Frivolties at Columbus. Oldest Educational Radio Station Expands Usefulness—Complimented as Foremost of Kind by Secretary Hoover

By M. M. CAROTHERS

IT TAKES courage for a broadcasting station to feature educational material consistently and persistently, when, as everyone knows, nine-tenths or more of the listening public wants entertainment and little else. But this is exactly what WEAO, "The Voice of Ohio State University," at Columbus, has been doing for four years.

If educational talks and lectures were all there is to judge by, Ohio listeners probably would vote "thumbs down" on WEAO. However, they have found beyond peradventure that the station adequately represents all the university, taking in its attractive sports schedule, its music and its major campus activities. Nevertheless, the educational features are uppermost.

"We're supported by the state of Ohio, whose tax-payers primarily pay us for helping them, their sons and daughters get an education," reasons Prof. C. A. Wright, head of the electrical engineering department, native of Mississippi and director of WEAO. "Besides, practically all the other 530 stations in this broad land are devoted almost solely to entertainment.

Allen McManigal (left) doubles as member of faculty staff and "Uncle Al" on the Radio. "Midge" helps him entertain little listeners.

"Our status," he continues, "doesn't permit us to hire entertainers. On the other hand, since we serve the public, we cannot reasonably turn down those who offer their entertainment services and are deemed worthy."

SO IT happens that occasionally a snappy jazz band is heard from WEAO, or a group of campus harmonizers singing "That's My Infant," or a merry ensemble staging a piece of campus foolishness. All of which demonstrates that the University spirit is not to be kept quiescent.

The WEAO staff is not a large one, and the devotion to a common ideal has worked wonders. The station began operation in the spring of 1922, and spring of this year it initiated a brand-new transmitter, with 140-foot masts rearing their heads above the campus. Tax-payers and the Ohio legislature have never permitted the station to indulge in luxuries, such as privately-owned stations enjoy, and only through the untiring work of the staff was the new transmitter possible.

The first transmitter was designed and constructed on the university campus. So was the newest. R. C. Higgy, Ohio State alumnus and former editor of the operators' magazine, "Q. S. T.," who has been chief Radio engineer and operator the past two years, designed and built the new outfit with the assistance of M. F. McDowell, his assistant, who is one of the real veteran amateur operators of the United States, and others of the staff.

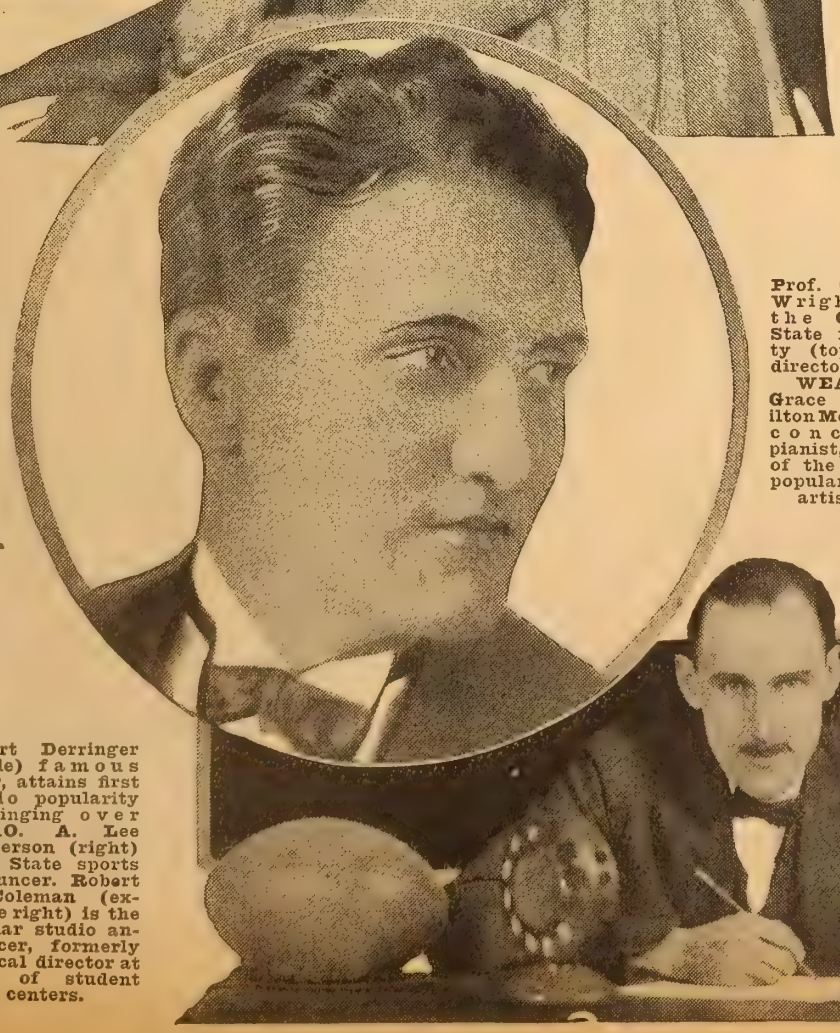
Secretary of Commerce Herbert Hoover recognized the educational work of WEAO last fall at the fourth Radio conference, when he acknowledged it as foremost in this line of activity on a basis of hours devoted to it and the variety of subjects handled. It is that this record has been maintained during the past winter and spring.

Sports broadcasting first was taken up on a considerable scale in the fall of 1924. At that time it was decided to send out a play-by-play report of the football games played in Ohio's magnificent stadium, seating 75,000 persons. A. Lee Henderson, a young instructor in the department of psychology, was pressed into service for announcing. Extra microphones were placed where they could pick up cheers, music and yells.

The first event of this kind was a huge success. Since that date it has been duplicated many times, both from gridiron and basket-ball floor. Henderson's popularity as announcer still increases. A vote taken at the end of the 1924-25 season showed him the most popular sports announcer of the Western Conference schools.

Allen McManigal is another character of note at WEAO. He's an instructor in one of

(*Continued on page 30*)



Robert Derringer (circle) famous tenor, attains first Radio popularity by singing over WEAO. A. Lee Henderson (right) Ohio State sports announcer. Robert J. Coleman (extreme right) is the regular studio announcer, formerly musical director at one of student centers.

Prof. C. A. Wright of the Ohio State faculty (top) is director of WEAO. Grace Hamilton Morrey, concert pianist, one of the most popular staff artists.

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THERE are very definite reasons for the superior reception of the Synchrophase —the result of Grebe developments which are readily demonstrable, easily understood.

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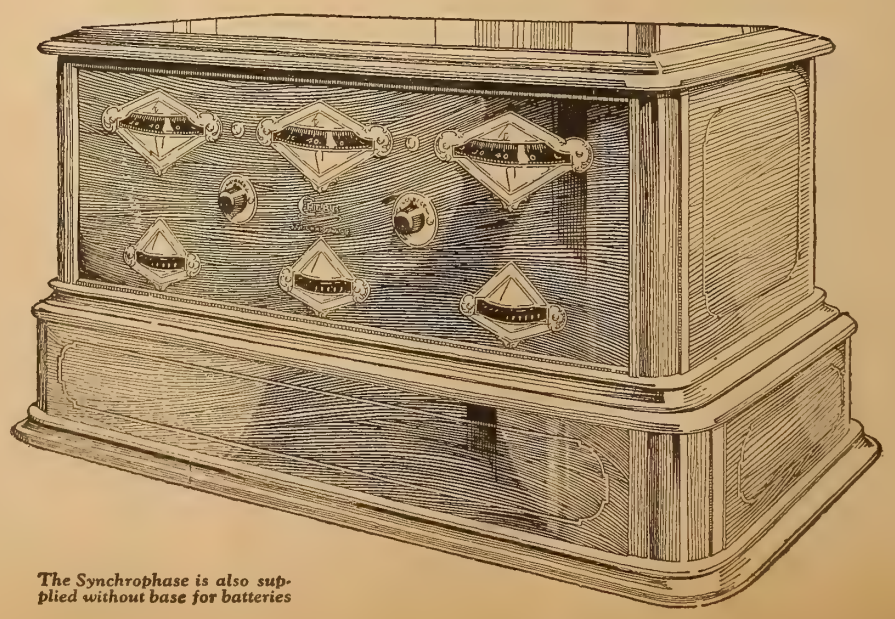

The Synchrophase is also supplied without base for batteries

PRETENSE

by MAURICE R. COONS

MR. COONS Lifts the Cover from a Spicy Romance in a Fashionable Chicago Supper Club and Discovers Beneath a Frothy Surface True Love and Sacrifice

Illustrations by W. H. WISNER

MANY of those who entered the Club Royale bowed to the tall, distinguished gentleman lounging near the inner doorway. And those who didn't wished they might. Even in these days of rampant democracy Prince Boris Masillof was a sought after personage.

Young enough, handsome, with the unlimited background for interesting conversation which only education and travel can provide, well versed in half a dozen languages—including that of love, a cousin of the ill-fated Czar; he had stormed the American social heights without a struggle or an apparent effort. The Chicago hostesses blessed the fate that had brought him unscathed past the New York lion-hunters and made the most of his presence.

Slender, with an erect, graceful military carriage that was a delight to the eye, a faultless dancer, women went out of their way to gain his regard. Other men openly discounted him but secretly feared him. Yet, even they admitted he was handsome. No one could deny that. His high, wide forehead rose above black eyes that seemed to dare, separated by a thin, straight nose of patrician perfection. A small, carefully clipped black mustache shaded a wide, full-lipped mouth that was cynical or humorous according to his mood. His hands were those of an artist, long, slender, white, graceful, quick, deft, expressive.

An ardent and experienced devotee of those diversions which flourish from midnight till dawn, his preference for the Club Royale, as evidenced by his nightly presence there, had established its position as "the" supper club of the city. Prince Boris seldom missed a dance and he was most democratic in his selection of partners. Women insisted on coming to the Club Royale merely for the possibility of dancing with him.

He stood now close to the inner entrance with nonchalant ease, his left hand in his trousers pocket, lifting one side of his dinner jacket in a graceful fold, a long Russian cigarette drooping carelessly over his lower lip, the grayish smoke curling upward about his face like incense about the impassive countenance of an idol in an Oriental temple; while his eyes wandered over the room. But the doorway was the predominant object of his attention.

HE advanced suddenly and bowed as a girl entered alone, fashionably late. His eyes absorbed her flaxen blonde beauty hungrily. Then he smiled, satisfied.

"I was afraid you weren't coming."

She laughed a trifle nervously.

"Yes, I know I'm late. Somebody wanted to come with me and I had a time getting away."

Prince Boris smiled wisely and one eyebrow lifted quizzically.

"Andy?"

She nodded shortly.

"He insisted on going with me. Made quite a scene about me running around alone at night. But I told him I was perfectly able to take care of myself."

Prince Boris nodded approvingly.

"Quite right. That's one of the reasons American girls interest me. After the petted, helpless women of Europe, their absolute independence is refreshing. It's justified, too. They're wonderfully capable."

He steered the girl gently toward the choice table which was always reserved for him at the edge of the dance floor. Many eyes surveyed them and little conversations, animated but secretive, sprang up here and there. The expressions on the faces of the speakers indicated the tenor of their talk. Some admired. Others were sneeringly cynical. Still others appeared frankly envious. Somehow no amount of money could give one such an unassailable social position as a crest and assassinated relatives.

The girl ordered sparingly but expensively. Prince Boris contented himself with a drink. Then their glances wandered about the crowded supper club. The hysterical round of gayety which would last until dawn was just beginning. People of evident wealth and position swept in through the velvet draped doorway singly and in groups. Elaborately obsequious waiters scurried about with trays of food and accepted whispered orders with impassive faces, returning with suspicious parcels wrapped in napkins.

"I am taking Miss Brent home," he announced.

"Of course you are, Ricardo," assented Evelyn with a scornful glance at Frascita. "Let's go."

FROM a dais at one end of the dance floor a dozen negroes in bizarre uniforms blared forth nerve-shattering jazz, amplifying it with unbelievable contortions suggesting overwhelming syncopation. Between courses the patrons danced; some who already had drunk too much approaching dangerously near the border line of decency. Lights. Noise. Frantic movement. Confusion.

The girl suddenly surveyed Prince Boris with frank curiosity. She noted the dark circles under his eyes; the deepening lines about his mouth.

"You look tired," she judged finally.

"I am," he admitted with a bored sigh. "Somehow I'm getting tired of everything."

"I think you need a wife who'll make you stay home nights," she retorted in mock severity.

"Never." His quick certainty made her wince as though he had slapped her. "I couldn't stand the eternal monotony. It would drive me crazy."

They danced. And more than one spectator remarked how well they danced together. Those who knew them both admitted, some enviously, that it appeared to be an ideal match. Vague rumors said the girl was Evelyn Brent of San Francisco, wealthy and socially prominent in her home city. She was obviously beautiful and charming. And Boris' own good looks and courteous charm were the talk of the town. They should go well together as a permanent arrangement. But, of course, one never could tell. Married life seemed to bring out the very worst in a person, abominable qualities and habits that there was no hint of before.

(Continued on page 10)

The Crosley Musicone, announced little more than a year ago, introduced a revolutionary speaker principle and took the radio loud speaker market by storm.

Its overwhelming popularity, which has involved the replacement of hundreds of thousands of old type loud speakers, establishes beyond challenge the Musicone's superiority.

And now Powel Crosley, Jr., announces . . . the Crosley SUPER Musicone!

This larger 16-inch cone utilizes the same Crosley patented actuating unit as the smaller Musicone . . . and this, NOT the cone shape, is the secret of Musicone excellence.

It offers, by virtue of its larger proportions, still more superb volume. It produces, especially in the bass, still richer resonance!

The 12-inch Musicone has been reduced to $12.50. Also at $32 in the form of a beautiful Console, in which both receiver and batteries may be placed

The Crosley Radio Corporation, Cincinnati, Ohio **Powel Crosley, Jr., President**

CROSLEY *Super* MUSICONE

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Write Dept. 49 for illustrated booklet *All prices slightly higher West of the Rockies*

THE FALL GUY

by JOSE B. & HARRY VAN DEMARK

JASON TELLYHEW Judged the Fall Guy by the Shape of His Nose and the Cut of His Jaw. But Alice Proved the Heart the Best Indicator.

IT was the crisis. Jason Tellyhew gravely closed the door after he had admitted young Standish to his den. He did not lock it. He could not find the key. His daughter Alice had anticipated a necessity for its removal. And when the latch had closed her pretty, blue eye blinked at the keyhole.

At first she heard little of what was being said, but presently their voices became more distinct. The emerald pallor from a lamp seemed to cast a ghastly light over Dick's high cheek bones and polished hair as he stood erect at the end of the long, flat desk. At moments her father's face came into view as he paced back and forth, toward and away from Dick.

"It is no use. You are impossible." Her heart pounded as she caught these words from her parent and dimly saw Dick's eyebrows beetling angrily.

"Because I am not worth a million dollars, or haven't a traction line or two to bargain with, I suppose," he answered sullenly.

"It's not that. You never will have anything. You can't. You aren't built that way. You were doomed at birth to a mediocre existence. Nothing can change that and it would be folly for you to indulge in any false hopes. I know your type. Character simply isn't there. I feel that I must be frank——"

"Obviously, even to my mediocre intelligence. I can't feel convinced, however, that you actually believe all that analysis bosh——"

"It is not bosh. You, yourself, are the living example of the truth of it. What have you to show for this whole year of effort since you finished your law school? Your clothes, look at them, look at yourself——"

"That'll be all, thanks, Mr. Tellyhew. You have gone out of your way to make me the example that you seem to think I am. But one of these days you'll wake up with this nose and this jaw on the other side of counsel's table in a court of justice—then, look out. I'm through with you for the present. Good night."

The eye at the keyhole escaped the hastily opened door just in time.

"Good for you, Dick. You stood up to him fine." Alice pressed his hand understandingly and they parted.

THE Fates do not always work with threads. Sometimes they use grindstones. Dick felt himself being ground on the stone of adversity. Nobody seemed to want to employ his legal advice. Lunchless noons and meager dinners caused him to take up three holes in his belt. Then the Fate that was bearing down must have shifted to another foot. An automobile came tearing down the street just as Alderman McGuire stumbled over a curb in his effort to escape and fell directly in the path. Standish was able to jerk him instantly to safety.

That was the first good thing that had happened to him for months.

"Quick thinking and an alert mind are important essentials to a young lawyer. I think you'll hear from me again," said the alderman as he tucked Dick's card away in a pocket case.

Then came a mysterious parcel in the mail. It contained bonds. "You can borrow on these and I'll call on you in a few days to discuss the matter," said the unsigned letter that accompanied them.

Scarcely had Dick conveyed the good news to Alice than he received a call from Alderman McGuire. Jason Tellyhew's traction system had failed to build a line to Rosehurst according to the provisions of a franchise granted a year ago. Would Mr. Standish start a suit for $50,000? Would he? And did Mr. McGuire know anything about the mysterious bonds? He did not.

It was late in the morning when Dick sat back waiting a call from Mr. Tellyhew in response to his notification of the impending suit. Alice was there when Mr. Tellyhew entered with a burly stranger. Pointing a shaking finger at Dick, he said:

"There's your man, officer. Arrest him at once!"

CHAPTER V

The Bombshell

"WHAT does this mean?" Dick demanded. He wasn't sure whether Tellyhew was in earnest or not.

But he was not left long in doubt. Tellyhew's companion approached him and threw back his coat, displaying a badge pinned to his vest.

"I'm Detective Bryan from headquarters. Will you come quietly?"

"I will if I go at all. First, I want to know what this is all about?"

"A young man of your evident talent in certain directions should have no trouble in making a shrewd guess at this," Tellyhew observed with a sneer.

"I haven't the slightest notion, but I suppose it's some plan of yours for revenge."

"Young man, I never resort to crude methods of revenge. This is a matter of protection—a matter of catching a thief."

"Catching a thief? Do you mean that I——"

"I mean that I have ordered your arrest for the theft of Amalgamated Steel bonds, serial numbers 842 to 858, which are missing from my private vault and which have been traced to the Guarantee Bank & Trust Company."

"What do you think I know of your Amalgamated Steel bonds and your private vault?"

"You must know a great deal since you took the bonds and put them up at the bank as security for a loan."

"I—did—what?" gasped Dick.

UNTIL this moment he had not connected the actions of his mysterious client with Tellyhew's visit. But now—

Tellyhew repeated his statement. "There's no chance for an argument; and no excuses are wanted—unless you wish to confess."

"I have nothing to confess," said Dick proudly. "I haven't yet stooped to thievery. Those bonds that I gave the bank as security came to me in the natural course of events."

"Oh, come, Standish, if you're going to lie, tell a good one!"

"What I say I can prove!" flashed Dick. He dug into a pile of papers on his desk and brought forth the letter that had accompanied the bonds. "Read that."

Tellyhew calmly scanned the note, then smiled as he handed it back. "You're not as clever as I thought," he said. "It seems to me that in concocting such a plan as this you would at least have had the letter written in a strange handwriting, inasmuch as it isn't signed. But to sit down to your typewriter and——"

"Just a moment, Mr. Tellyhew!" Dick's eyes flashed as he confronted the chairman of the Suburban board. "I did not write that letter; I don't know who did; but when the time comes my client will reveal himself, then everything will be explained."

"And in the meantime, I suppose the bonds will remain with the bank and you will live on my money?" returned the traction magnate with biting sarcasm.

"I DON'T like your insinuations, Mr. Tellyhew, and some day I'm going to make you eat them!"

"Well, in the meantime, we'll see what a few days in jail will do for you."

"You mean that you are going to persist in arresting me?"

"I mean just that."

"Oh, now, see here, Mr. Tellyhew——"

"I don't care to argue, I tell you. You have my missing bonds. I don't know how you got them, but my private detective, making the rounds of the banks, found them at the Guarantee, and I have President Stevens' word that you put them up as security for a loan. I'm sorry, Standish; I was beginning to believe that you had something in you after all."

"You know I've got something in me, Mr. Tellyhew," Dick said pointedly. "And you know in your heart that I did not steal your bonds. As a matter of

(Continued on page 10)

Dick submitted to the officer's pressure upon his arm. "Come quietly, young fellow, and I'll not use the bracelets." "You won't need the bracelets," Dick assured him. They were . . . startled by a cry from Alice. "Stop!" The girl evaded her father's outstretched arms. "Just a moment; Mr. Standish is entirely innocent in this matter."

"THE FALL GUY"

(Continued from page 9)

fact, I believe that you mailed me those bonds yourself—and I believe you wrote this letter!"

Tellyhew went red and white by turns, but after a pause regained his composure as he inquired:

"What reason have you for making a statement like that?"

"Because you realize what you're up against in this traction fight with the city—and you want to get me out of the way!"

A far-fetched statement, yes; but Dick was desperate. If he could arouse Tellyhew's sporting blood and induce him to leave the bond matter in abeyance a few days until some logical explanation could be found, it would serve his purpose well. Otherwise, even though he were able to make bond, there would be a certain stigma attached to the affair, and it was doubtful if, under such circumstances, the city would care to let him go on with the traction case.

"THE traction matter hasn't entered into this," returned Tellyhew with a slight show of temper, "and I don't propose that it shall. It's up to you to clear yourself of this charge if you can. You're such a smart lawyer," he added, "there should be little difficulty in that." He nodded to Detective Bryan. "Take your man."

"Can't this matter be arranged here, Mr. Tellyhew?" pleaded Dick. "I am absolutely innocent in this matter. That letter I showed you is genuine. And the bonds were enclosed with it just as I've explained."

"And of course I sent them both in a spirit of revenge," sneered Tellyhew.

"Too thin, Standish," said Detective Bryan.

Tellyhew nodded grimly. "Lock him up," he said.

"You promised to come quietly," the detective reminded Dick.

Dick nodded as he picked up his hat. Then he turned an appealing glance toward Alice, who had withdrawn to one side of the office. There was a suspicious moisture in her eyes as she turned her gaze upon him.

"Don't worry," said Dick; "I'll get out of this all right."

Alice made an instinctive movement toward Dick, but Tellyhew got between them. "None of that, Alice! You probably realize by now that I know what is best for you."

"But, daddy, surely you're not going to lock Dick up!"

"Why not? Isn't he a thief?"

"No!"

"Oh, you're prejudiced! You— Well, we'll attend to your case later." Then to Bryan: "Go on; I'll follow shortly with my daughter."

DICK submitted to the officer's pressure upon his arm.

"Come quietly, young fellow, and I'll not use the bracelets."

"You won't need the bracelets," Dick assured him.

They were in the doorway leading into the corridor when they were startled by a cry from Alice.

"Stop!" The girl evaded her father's outstretched arms and hurried to Dick's side. "Just a moment," she pleaded with Detective Bryan, "Mr. Standish is entirely innocent in this matter." Then, turning defiantly to her father, she exploded the bomb: "I stole those bonds!"

"What!" gasped Jason Tellyhew. "You don't realize what you're saying, Alice!"

"Yes, I realize it. I should have said I borrowed them; and I wrote the letter to Dick on your office typewriter. You and Mr. Kane were out; the vault was open—and I knew Dick needed the money! I—I intended to put them back as soon as Dick got on his feet. That's why I suggested that he borrow on them at his bank. Oh, but I'm glad I didn't tell him to sell them!"

"Alice!" cried Dick, and the girl, with a little sob, sprang into his arms.

"Well, I'll be—" Jason Tellyhew, out of respect for his daughter's presence, did not finish the sentence. Instead, he chewed savagely at the end of his cigar.

"Ain't it funny," grinned Detective Bryan. "You never can tell what a woman will do!"

CHAPTER VI

To Fight or Not to Fight

THE following morning the telephone rang sharply in Dick's office. He picked up the receiver.

"Mr. Tellyhew's office," came brusquely from the other end of the wire. "Kane speaking. Will it be convenient for you to call on Mr. Tellyhew at ten o'clock?"

"I'll make it convenient," Dick returned in a similar tone.

The receiver was snapped up on the other end and Dick sat meditating for the space of several minutes. The voice of Kane if it was in any sense a reflection of Tellyhew's mood this morning, seemed to indicate that Dick was in for an uncomfortable half hour.

That Tellyhew meant to fight he had no doubt. For the chairman of the Suburban board was not given to submission except by force. And the fact that Dick was behind the city's guns in the Rosehurst matter would serve like the proverbial red flag before a bull.

Well, so be it!

At five minutes to ten Dick entered the offices of the traction company, nodded briefly to Kane, and sat down.

Promptly at ten the door of the inner

(Continued on page 29)

"PRETENSE"

(Continued from page 7)

THE evening waned. Entertainers offered skits, songs and dances—**such** skits, songs and dances! The patrons grew hilarious. Laughter became hysterical; voices strident and high-pitched. Men who thought it indecent to appear publicly without a freshly pressed suit each morning wore silly paper hats and sillier grins and made incoherent love to other men's wives. Women flirted outrageously with other women's husbands and shrieked shrilly with merriment over nothing.

"Silly crowd, isn't it?" said Evelyn Brent.

Prince Boris nodded emphatic assent. "And heartless. If any of those people should lose their money and consequently their social position according to the American scheme of things, they would find that not even the 'friends' who have been their expensive guests here would speak to them. They should find themselves total strangers, shunned like a dreaded disease. People would be afraid to recognize them for fear they might presume on the past and ask favors. . . . Poor fools! Look at them! Purchasing what they think is pleasure at the terrible price of money, health, self-respect. They think they're happy. In reality, they're miserable. I've often wondered why they come here."

"Why do you come here, Boris?"

Masillof started and his eyes searched the girl's face with nervous anxiety. But her gaze was level, frank, honestly curious. He looked away and hesitated what seemed a long time, his brow furrowed with thought. His eyes held an inexpressible anguish, like those of a trapped animal. Once he started to speak, then evidently changed his mind, his hands clenching until the knuckles stood out in rigid prominence. At last he smiled, cynically and with obvious effort.

"For the same reason they do, I guess. To escape from myself—from the awful, endless monotony of life." He gazed at her with sudden interest. "Why do **you** come here?"

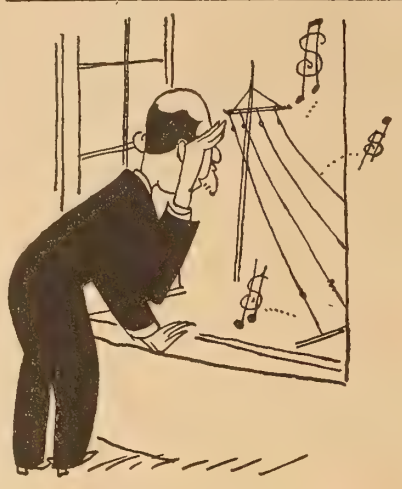
"Your reason goes for me, too."

But her averted eyes, the soft flush in her cheeks, belied her words. Prince Boris smiled wistfully and reached across the table for her hand.

"YOU'RE a wonderful girl, Evelyn," he said irrelevantly. "You'll make a marvelous wife for some man."

"I don't know." Her voice was choked, as though a sob were trying to escape

(Continued on page 14)



There's a golden tinkle in the air—

Does it reach your ears? All you need is a Rectigon to make music sound like money. And to keep your batteries charged up to their ears with pep. Thus you attain best possible reception at lowest possible cost. Your Rectigon pays dividends quickly in money saved from the service station. And you always have a marvelous power reserve to bring in the best your set can get.

and it comes from charging at home with

The Westinghouse Rectigon Battery Charger

©, 1926, W. E. & M. Co.

No noise as it charges—not a bit of fuss. Not even a murmur that would disturb the mildest slumber.

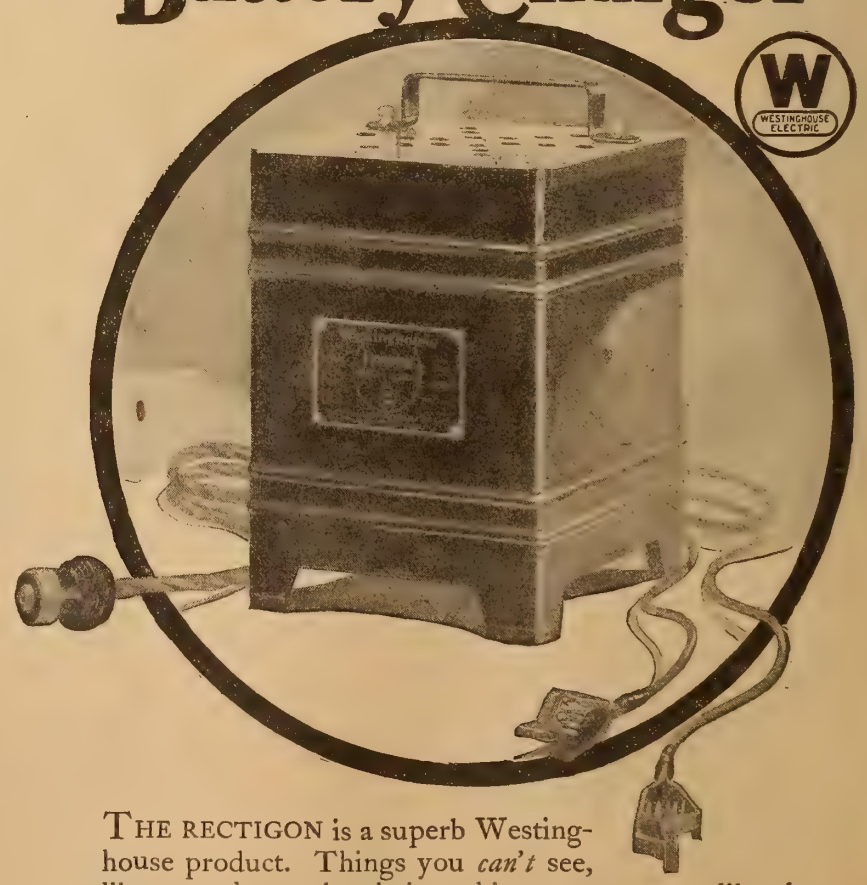
No acids, chemicals—no moving parts—nothing to spill or burn. No muss, nor worry. You'll have no spoiled rugs, ruined clothing.

Snaps on in an instant—just plug into the light socket, snap on the terminals. Saves service station bother. Spares interruptions caused by absent batteries.

Charges both "A" and "B" batteries—Keeps both packed with power. Bulb is used for "B" battery charging and it is enclosed, like all other parts, in metal, safe from accident. (Rectigon charges automobile batteries, too.)

Safety for batteries and set—You'll not wake to find your battery discharged—that can't happen with a Rectigon attached. Should you tune in without detaching the Rectigon from battery, your set won't be harmed.

No Storage Battery Radio is Complete Without a Rectigon



THE RECTIGON is a superb Westinghouse product. Things you *can't* see, like extra heavy insulation, things you *can* see, like the durably enameled case—all are of highest quality. Westinghouse manufactures also a complete line of radio instruments, and Micarta panels and tubes.

WESTINGHOUSE ELECTRIC & MANUFACTURING CO.

Tune in on KDKA - KYW - WBZ - KFKX

Don't Guess; Measure Voltage

"SAVE Your Tubes and Batteries and Save All," Says Technical Editor in Advocating Voltmeters to Conserve Accessories.

By The TECHNICAL EDITOR

"THRICE vain is he who copies, not knowing the reason thereof!"

Which leads one to believe that the only reason why those who "roll their own" always place voltmeters as well as milliammeters on their pet super-heterodynes, because, "all of the pictures of supers show such instruments, so why not mine."

And, with like regularity, each of these items are among those not present upon the remaining mighty good circuits, which the vast majority build.

The answer to such inconsistency appears to be chargeable to the fact that few constructors understand the circuit connections required as applied to single or multiple tube receivers, or have gained the impression that with the exception of the super-heterodyne, a voltmeter only can be catalogued as excess expense.

While a milliammeter is desirable for all Radio circuits using six or more tubes in order that one may avoid excessive plate battery drains, their use upon sets up to six tubes is hardly warranted as it is unlikely that any arrangement of circuits in such receivers will create a battery drain sufficient to warrant correction.

Should Know Voltage

Everyone should, however, be deeply concerned regarding the filament voltage

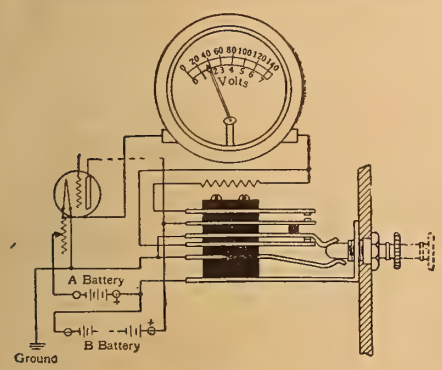


Figure 2

at which the tubes are operating. Filament voltage, irrespective of the number of tubes which your receiver uses, may be considered as the most important measurement, since over voltage upon filaments quickly ruins the thoriated filament tubes. If one would operate his tubes with the end in view of securing the utmost efficiency and longest life, it is then of prime importance that they be operated at a maximum not to exceed that voltage recommended by the manufacturer. Obviously this nicety of adjustment can only be accomplished when an indicating voltmeter is used.

In purchasing instruments of this character those of the cheaper variety should be studiously avoided. A voltmeter at less than five dollars is a bad buy, it being more likely that the correct price in order to insure a dependable instrument will run considerably higher and is well worth the added investment. Several dependable manufacturers, and particularly those of many years experience in the manufacture of electrical measuring instruments, are offering devices of this character which satisfactorily meet the requirements of quality and dependability.

Variety of Voltmeters

Each of these manufacturers offers several ranges of combination voltmeters. They may be had for the reading of the filament voltage only, or in combination for both the filament voltage and that supplied to the plates of the tubes. One of the most recent devices on the market permits, not only a reading of both filament and plate constants, but the C battery as well. The instrument pictured in figure 1 is that known as "triple range" and is operated in combination with a six spring jack and metal plug for the securing of the individual reading desired.

Switching devices are of course essential in order that one may obtain reading from single or collective groups of both A and B batteries. There are a number of inexpensive dial switches on the market suitable for this purpose. In choosing a switch for this use one with sufficient movement of the blades, so that adjacent active contacts will not be short-circuited, should be selected.

If the contact buttons are too close together connections should only be made to every other contact. It will then be apparent that a five position switch may be used to show the voltage of three separate groups of filaments or of one filament, plate and C battery values while a seven contact switch would make possible the taking of four readings in separate groups.

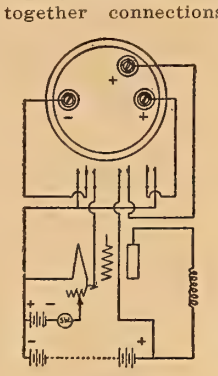


Fig. 6

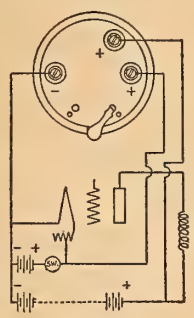


Fig. 7

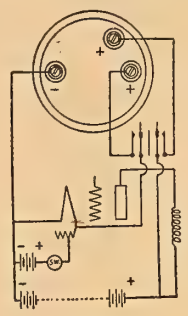


Fig. 8

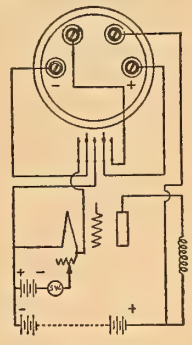


Fig. 9

Watch Connections Closely

It is of great importance that, irrespective of the make of voltmeter used, the minus of the voltmeter must be connected to the minus of the A battery feed to the filaments; and likewise, with practically all makes of voltmeters, the minus B battery should be connected to the minus A battery. In your receiver the minus B may be connected to plus A—watch this point and change it to that mentioned above when hooking up the voltmeter to your receiver. It should be understood that this rule does not apply to each manufacturer's product, but does mean that one should read the instructions accompanying the instrument very carefully and thus avoid an expensive error.

In figure 2 is shown the connections and method employed by a prominent manufacturer using a double range voltmeter in combination with a Radio jack and metal plug. With this arrangement control is offered covering the "On" and "Off" position for the total receiver as well as means for taking both the A and B battery potential readings.

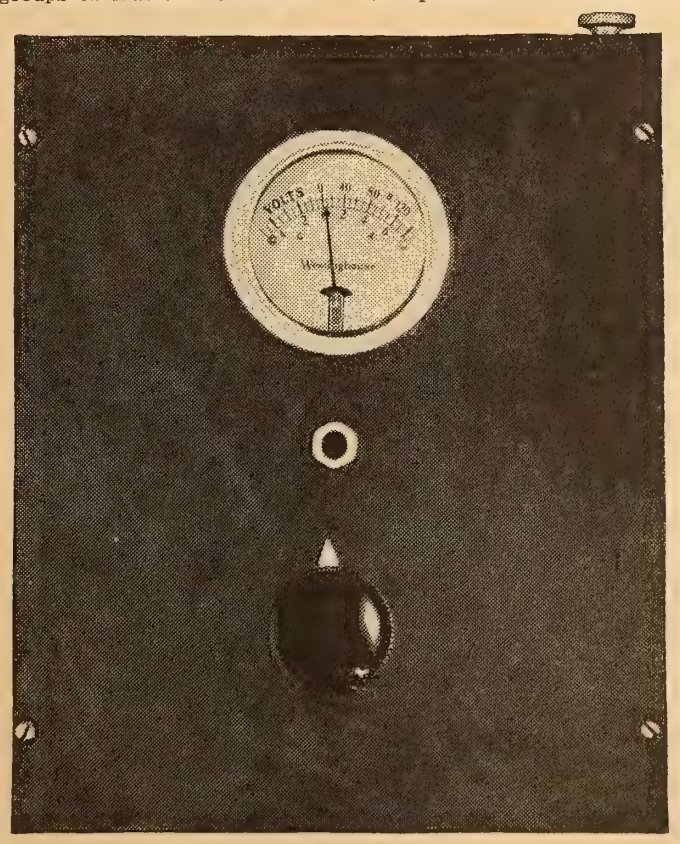


Figure 1

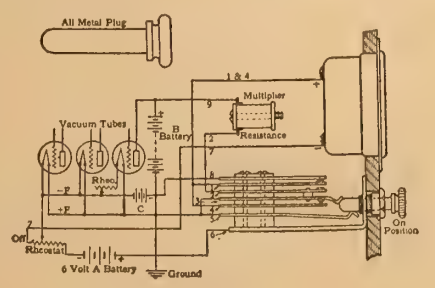


Figure 3

For Separate Rheostat

In this instance if one of your tubes is controlled with a separate rheostat, it is obvious that such rheostat and filament should be in series with each other across the positive and negative bus bars of the main filaments. In this manner the voltage of the individually controlled filament will never be greater than that applied to the main lot, as shown by the voltmeter. It will be noted in this drawing that the frame of the jack is connected to plus A and minus B. The two prongs which usually receive the plug are connected together and to the plus A of all filaments.

The common of the voltmeter is connected to the minus bus bar or minus A, while the ground may be connected to plus A. The contact between the main prongs is connected to the plus terminal of the low range of the voltmeter, the two upper contacts being connected in the high voltage or B circuit with the multiplier resistance between plus and the plus of the low range of the voltmeter.

In operation, when the metal plug is inserted in the jack, the filaments immediately light, provided the rheostats are turned on, and the voltmeter indicates the voltage which is being applied to the filaments. When this metal plug is pressed in a bit further it automatically breaks a circuit between the voltmeter and the plus of the filament through lifting one of the jack springs, which, in turn, returns the pointer to zero of the scale. Pressing the plug a bit further, closes the upper spring contacts and indicates the B battery potential.

Returns to Filament

Releasing the plug pressure causes it to return to the filament reading thus avoiding the danger of exhausting the B battery.

An added ideal arrangement for multitube receivers is shown in figure 3 this scheme giving every combination of voltmeter readings which one might desire.

Still another arrangement which may be made up from standard parts is shown in figure 4, the Frost potentiometer switch No. 620 being nicely adapted for this purpose. In this switch the rotating part is a double blade with its two fingers bridging adjacent contacts. This double blade is connected to one side of a double scale, double range voltmeter. The other side of the voltmeter is connected to the ground to which is also connected the plus side of the A battery, the plus of the filaments and minus of the B (except as previously noted.)

This switch has four possible positions, and five buttons, three of which are active and two dummies. When this switch is in the "Off" position, one of the fingers is in an inactive state, while the other finger is on a button contact leading to the negative side of the filaments.

Bridges Negative Contact

In the next, or "On" position, the fingers bridge the negative or minus button, which connects to the negative side of the filaments through their rheostat to the negative or minus of the A battery. This turns on the filament current and causes the voltmeter to indicate the filament potential.

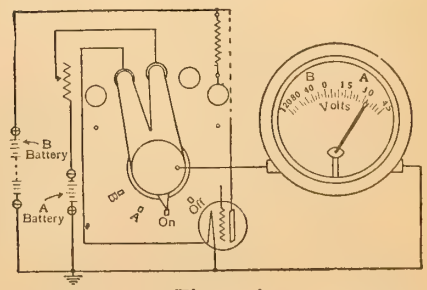


Figure 4

Potential Alone Shown

Following to the next position, the double blade is active only through the rheostat to the A battery, the filament being cut off. Thus at this position the A battery supply potential alone is shown. The drop in the rheostat is of no consequence, while this reading is important toward showing the condition of the A battery as regards the necessity of recharging.

Passing along to the next position of the switch, the blade touches a contact leading through the voltmeter resistor multiplier to the plus of the B battery, causing the pointer to deflect usually in the opposite direction and indicating the B battery potential. One is cautioned not to leave the switch in this position longer than to take the reading, as B batteries are most temperamental when short circuited with even a high resistance. Only the knob and pointer need to be visible upon the face of the panel while the scheme, if provided with suitable markings upon the face of the panel, obviates errors and at the same

(Continued on page 29)

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Public Opinion Is Radio Law

THIS year, as the 150th anniversary of the signing of the Declaration of Independence is being commemorated, the United States senate and house of representatives have seen fit to differ over a matter which deeply concerns the freedom of speech, a constitutional liberty expressed at the time when this country was founded shortly after the signing of the Declaration of Independence.

The matter referred to is the control of Radio and the restrictions which may be placed upon it. It seems to a non-partisan, unbiased medium such as ourselves, that the injection of politics into the control of Radio is to be deplored. The issue at stake is the freedom of speech of the broadcasting stations of the United States.

Instead of drawing a suitable Radio law, free from political loopholes, devoid of possible log-rolling and the conversion of the microphone to a mouth-piece of the party in power—instead we find congressmen and senators squabbling selfishly over an issue which only should consider the public good, and the principles laid down by our forefathers in that time-honored document, the constitution of the United States of America.

The house passed the White Radio control bill, meant to encourage Radio, but placing it under the direct control of the secretary of commerce, an appointed and therefore usually partisan friend of the party in power. Station licenses of five years' duration would be allowed.

The senate, almost disagreeing entirely with the White bill, drew up the Dill Radio control bill and passed it. The Dill bill, in an evident effort to curb rather than encourage Radio, bristles abundantly with disagreeable hobbling and objectionable clauses. No property rights are allowed stations, and licenses are allowed only for two-year periods. The last named feature of the bill, the two-year license clause, would make broadcasting licenses the footballs of senatorial campaigns, which oddly enough, also occur at two-year intervals. A new license might require special political favor during campaigns. There is no assurance of relicensing of broadcasters on pure merit. The power would be vested in a commission of five members, selected by congress and therefore not essentially non-partisan or unbiased in their decisions.

Radio must not be regulated and shackled to a standstill before it has ever had an opportunity to develop. Why strangle a baby? The Dill bill is almost unadulterated political murder. We cannot say a great deal more for the White bill, although its hobbles are less tight than those in the senate bill, an instrument which in many respects, we believe, can be torn to pieces as unconstitutional.

Further complicating the situation, Herbert Hoover has recently obtained an opinion on the 1912 Radio law from the attorney general of the United States. The decision trims the Radio control power of the secretary of commerce to practically nothing, and means that he must issue licenses to every one applying, that these licensees can use any wave length they choose except those from 600 to 1,600 meters, that any power may be used as long as "malicious" interference is not caused, and finally, that any or all hours can be used for transmission except the first fifteen minutes of certain hours in certain prescribed areas wherein are located naval or military Radio communication stations.

Thinking over that list of 600 waiting applicants for broadcasting licenses, and the above cited opinion of the attorney general, we fearfully hold our breath and wonder what will happen next. Will there be chaos? No, we believe not.

The only restriction on broadcasters at this moment is that historical one which has made so many statesmen, corporations, armies and nations bow to its will—and that is public opinion. The public interest will be served, for broadcasting stations depend upon public good will for their support.

How far a broadcaster can go without becoming intoxicated by imbibing too freely from the wine of freedom, depends alone on the broadcaster and the reaction of his audience.

RADIO INDI-GEST

To a Second-Hand Radio

Old Radio, you're on the bum;
You give me nothing but a hum,
A buzz, a click, a bang and roar,
And that's not what I bought you for.

I paid real coin to be amused,
And by good music be enthused;
But you, old box of tubes and wire,
Do nothing but excite my ire.

I bought you at a bargain sale;
That dealer ought to be in jail.
Tomorrow you go in the trash
And I'll buy one that's worth the cash.

GEORGE

To Which We Take Great Pleasure in Adding the "proven facts" or glossary of terms which the roaming bard, George, lists, evidently after some experience with sets, both new and second-hand. "Vacuum Tubes"—Accessories that cost you two dollars per when you happen to "short" them. "Amplifier"—An attachment to make all unpleasant noises more so. "Static"—A noise like water spilt on a red hot stove. "Battery"—A fitting, which, like many people, receives little attention while alive, but is greatly fussed over when dead.

To the Third Trombone Player
(Other Curious Persons May Read)

Dear Sir: Please accept my most sincere thanks for your kind words of appreciation of my few lines of poetical endeavor in reference to the feminine members of the Digest staff. Please permit us to say that you are both a Gentleman and a Scholar.

You said a mouthful Old Timer in those few words "Whither are we drifting," but you should have seen those few lines of mine before our good friend Indi trimmed it down—to make it more presentable I guess. However, we will not fuss with him about that as we give him credit for knowing his beans, and if he is kind enough to let this get into print we will—as the announcer who wears the necktie, shoes and passionate socks would say—dedicate these few lines to The Third Trombone Player.

Oh who is this party of the Marcel Wave
Who writes the dope for those who rave
Of Announcers young and Announcers Old,
Of Artists timid and Artists bold?

Oh is it a "She" that's young and fair
Who rouges her cheeks and bobs her hair,
Uses a lipstick and powders her nose,
Wears high-heeled shoes and rolls her hose?

Or is it a "He" that's short and fat,
Wears neckties, tan shoes and derby hat,
Chews "Brown's Mule" and smokes a hod,
And writes those lines to hold his job?

Whoever it is means little to us,
You and I, Old Timer, we don't give a cuss.
No doubt they are doing the best that they can,
But it's darn poor stuff for a Radio fan.

OLD KING TUTT (HIMSELF)

Intermission Idiosyncrasies
A. C. S. Announcing

"At 8:45 we will broadcast a short talk on Bone Setting by Dr. Alonzo Crapp, a noted bone setter of San Francisco. Dr. Crapp will give us a short outline on such subjects as, Numerical Propinquity, or in other words, the repeating habitudes of a seven, and an eleven. We understand the doctor recently did some nine hundred dollars worth of bone-setting in a Chicago hotel in one short evening and we hope he has some good news for us." ARTHUR C. STOWELL

Food for Thought

Edator Indi-gest: The funniyest thing abowt humens is that they sure like a grate varieyty. I was down to Chicago won time and in a big hotel they gave me for dinner—

Been Soop.
French Fride potatos.
Pork Shanks and Whipped Creem.
Fride Cat Fish with Cottaige Chease.
Pumkin pye with Pymentoa dressing.
Buttermylk to drink.
Nuts.

They are duing the saim thing with Radio proagramms. Compare one with the above meanyu and see the alikeness—

Melody in F.
Yes Sir thets my baby.
Reeding "The Murderer" by E. Poe.
Piano dooit. The charge of the lite brigaid.
Oh, so low Meyoo.
Buffalo girl, and other old tyme airs.
Speach, "Our National Banks."
Then, More nuts.

Boath of these meanyoos dissagree with the appetight.
KITTLE DRUMMER

An Eastern Watchmaker, at a convention, predicts the passing of the old hand-cranked watch and the coming of a new type that will be kept absolutely accurate from minute to minute by Radio impulses, sent out by the naval observatory. Of course, when we are late at the office we might still say that we were awfully sorry but that the interference from the set of the Jones kid just made our watch run all agog.

FRANQUE'S FILOSOFEE

A DX story a day keeps the neighbors away.

INDI

Current Events

Condensed

BY DIELECTRIC

Speaking of vacations, as we were in the first August issue, it looked for a while as though the dream would come true. If a few more of the stations scattered along the wave bands had climbed up or down, your reviewer would have contributed paragraphical "blahs." As it is, programs were heard in unaccustomed places and might easily have been credited to the wrong broadcaster. Other features came through the ether carrying bits of foreign programs with them and had to be untangled. What joy a reviewer experiences these summer months with Old Man Static rattling eardrums to the breaking point. Yet they sit and listen and—compliment.

Just to prove that last assertion above I call attention to a band concert, one of the most enjoyable heard from a broadcasting station winter or summer. Station WADC, Akron, put this concert over well, so that it is my fault entirely that the name of the band cannot be recorded. The music came through clearly for the most part but the name of the group of players was not distinct, though I listened until the completion of the feature. Every selection played was characteristically band music. Ofttimes bands get into purely orchestral compositions, thereby spoiling much of beautiful effect of the music. Furthermore, they played as a unit.

Variety programs are undoubtedly appealing to Radio audiences in the sweltering midsummer season, at least when they include such highly entertaining features as theatrical reviews afford. Such reviews as are presented from Station KDKA, Pittsburgh, originating in the million dollar grand theater should prove satisfying to the majority. In case they don't, please blame the weather rather than the station, the artists or this enthusiast.

Then there was an especially good piano recital which stood out among other features presented through Station WJAZ, Chicago, and despite the seeming commonplace of such a recital this one was above the average. The artist evidently chose to picture those listening as a cosmopolitan group and suited the numbers to the conclusion. Although some of the selections were of a lighter vein, never once was there evidence of forsaking the high ideals of the performer set forth in the more serious works. On the whole it was something one recalls with a distinct sense of completeness; good music, good taste and musicianship.

Station WLW, Cincinnati, one of the least censureable stations on the air, should have a complete paragraph all to itself with "well merited" recurring in every line. Instead, there can be but a sad confession of missing an evening's enjoyment and noting of features, due to the interference of another station. Someone was playing piano numbers just before they signed off to give listeners an opportunity to get the call of the intruder, but how she played only those in the studio are competent to judge. Has anyone stepped in the way of WJZ? Hardly.

Ordinarily it is anything but thrilling to sit by the hour to listen to a political speech. The thing isn't done, that's all. Yet, my fellow listeners, when CNRO, Ottawa, came through with no other station tagging along, it was so comforting I listened to the very end of an impassioned diatribe directed against one of Canada's prominent political leaders. And they do discover a lot to tell in the dominion with sundry variations. No jazz band could have bought half the time. Incidentally, Canadian politics are less enigmatic. Try the recipe.

WOR TAKES UNUSED TIME HELD BY WJY

HALF WAVE BAND SILENT; BAMBERGER WILL FILL

Newark Station Gives Reasons for Commandeering Periods Left Vacant by R. C. A. Broadcaster

NEWARK, N. J.—The following statement was issued by Alfred J. McCosker, of L. Bamberger & Company's station, WOR, concerning the extension recently of that station's schedule to include late afternoon and evening programs on the 405-meter wave length, formerly occupied by Station WJY, on Tuesday, Thursday, Friday and Sunday of each week, which schedule is in addition to its regular Monday, Wednesday and Saturday afternoon and evening schedule:

"A desire to better serve public interest is responsible for the decision reached by L. Bamberger & Company to extend the broadcasting schedule of Station WOR to provide programs of educational and entertainment value on the 405-meter wave length daily and Sunday instead of adhering to the former schedule of Monday, Wednesday and Saturday afternoon and evening broadcasts. The loss to Radio listeners occasioned by failure of the sponsors of Station WJY to regularly provide programs on the 405-meter wave length for the past five months was pointed out to us by many listeners.

WJY Silent; WOR Goes Ahead

"During April, 1926, we applied to the management of WJY for the time on the 405-meter wave length used by them up to February 6 of the present year and the reply received indicated an early resumption of broadcasting by that station. However, in the weeks that have since elapsed, Station WJY has remained totally silent and it was decided that the best interests of listeners demanded a continuous program on the above wave band.

"WOR is rated a pioneer broadcaster, having supplied programs of highly cultural and better class entertainment to an ever-increasing audience since February 21, 1921, and the present extension of its activities to include a daily and Sunday program will offer additional opportunity to present a practically uninterrupted broadcast."

Accordion Symphony to Be Heard Over WSOE

Fifteen Piano Accordions on Air Monday, August 16

MILWAUKEE.—A rare as well as an attractive concert is to be broadcast from the School of Engineering station here, WSOE, on August 16, 1926 beginning at 9:00 p. m. Central time. This concert will be presented by Prof. Foca Di Leo and his Accordion Symphony orchestra which, as far as can be ascertained, is the only one organization of its kind in the world today.

During the last two years Professor Di Leo organized and perfected this unique orchestra, using fifteen piano accordion instruments. It represents the first successful attempt to draw from such a combination of instruments musical effects heretofore attributed only to the standard symphony.

The repertoire of the orchestra ranges from such classical gems as the "Barber of Seville," "Poet and Peasant," "Light Cavalry" and "Carmen" down to the popular melodies of the present day. In addition there are two young sopranos who appear in solos and duets accompanied in both instances by the orchestra.

Birthday Greetings Flood KPO

SAN FRANCISCO.—KPO has just been swept by its annual flood of birthday greeting cards from the Radio audience. These are addressed to Big Brother (L. R. Tucker) who has been a regular feature of the San Francisco station for more than two years and whose birthday it was. Several thousand cards were received this year, the majority coming from the members of the Big Brother club, which is composed of more than seven thousand juveniles throughout the west.

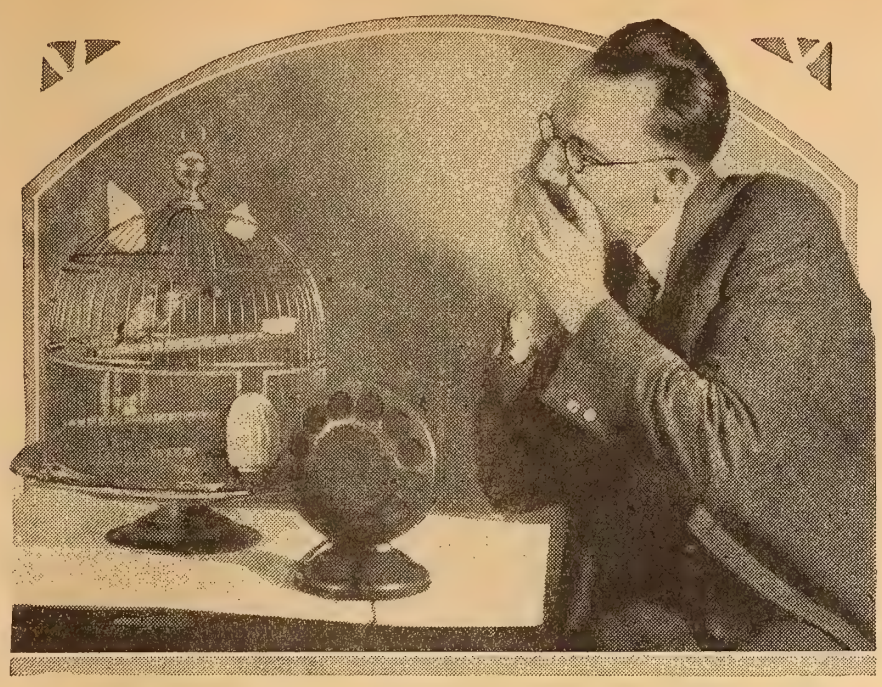
WOK Fans Guess Weather

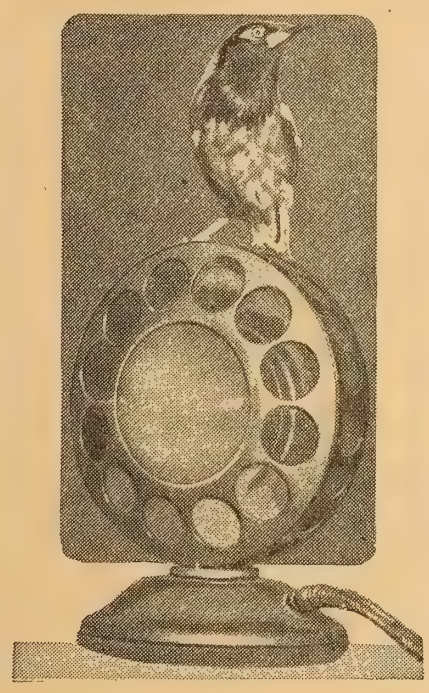
CHICAGO.—Believing that the official weather prophet is a much maligned individual, members of Radio Station WOK's staff recently inaugurated a weather guessing contest in which fans tuning that station were invited to join. The purpose of the contest was to ascertain if the public could outguess the government forecaster.

May, of KMA, Heads Nurserymen

LOUISVILLE, Ky.—Earl E. May of Shenandoah, Iowa, owner and operator of Station KMA, was recently elected president of the American Association of Nurserymen here.

BIRDS WARBLE IN MICROPHONES





It would seem but natural for birds to "go on the air" and so we have Bee Bee of WCCO, Minneapolis, (above) and the Troupial songster of the Amazon perched on the WMCA microphone, New York. Bee Bee sings to the harmonica accompaniment of his master, George B. Ashton, preferring operatic selections exclusively while the Troupial thrush warbles plaintive Spanish airs by himself.

CAN YOU GUESS AGE OF MARY BARBARA?

CINCINNATI. — One of the most mysterious attractions of the Crosley Radio programs is Mary Barbara. She has been entertaining the WLW Radio listeners for many months and her child-like voice has been the means of attracting many inquiries as to her age. When she gives her interesting talks, usually with the aid of one of the announcers, the curtains in the solo studio are drawn so as to hide her from the view of the guests in the auditorium. No one knows her real age and the studio staff is not at liberty to disclose it.

P. A. GREENE TOURING SOUTHLAND STATIONS

Arranges Fall Bridge Series Over Extended Network

CINCINNATI.—Paul A. Greene's native Southland has called and he is on a tour which includes Atlanta, Jacksonville, New Orleans, Houston, Dallas, Memphis, and also Kansas City, Chicago, Des Moines, Omaha, St. Louis and Denver.

Mr. Greene, who has been director of Station WSAI since he installed the United States Playing Card company's station more than three years ago, is combining station business with the pleasure of a well-earned vacation on his tour, for he hasn't had a vacation in two years. He is to renew contracts for the auction bridge series, which was broadcast by a network of twenty-six stations last season.

The new series, which will begin early in the fall, will probably be handled by thirty stations throughout the country, and it is believed Jacksonville, New Orleans, Des Moines, and Omaha will add this popular program schedule. The method of broadcasting the plays will be practically the same as before.

C. N. R. TESTS SIGNAL STRENGTH IN TUNNEL

FINDS LONG WAVES CARRY FARTHER THAN SHORT

Three and One-Half Mile Tunnel Under Mount Royal 600 Feet Deep Used in Tests

MONTREAL, Canada.—Interesting experiments on the transmission of Radio signals through masses of rock have been carried out under Mount Royal here in the tunnel of the Canadian National railways. Generally speaking, it was found that there was a decrease in the strength of signals as the center of the tunnel was approached. The observations, however, were not confined merely to noting whether the signals appeared to get weaker, but definite measurements were made with an audibility meter.

Messages and music were transmitted from Montreal on a wave length of 411 meters. At the center of the tunnel the strength of signal decreased to one-half of one per cent of what it was at the tunnel entrance.

Signals Decrease Going Into Tunnel

Signals were also received from Ottawa. These were transmitted on 1,400-meter wave length. The signal strength decreased to five per cent at the center of the tunnel. Further signals were received from an American army short wave station, WIZ, whose signals were remarkably constant and clear. The messages were heard at the entrance to the tunnel, but were quickly lost on entering the tunnel. On repeatedly tracing the signals, step by step into the tunnel, it was found that the 40-meter signals were reduced to zero on passing only a few hundred yards into the tunnel, so that there were but a few feet (thirty or forty) of material above the car aerial—box type—which was employed in the test.

The tunnel is three and one-half miles in length, and at its center the mountain is between 500 and 600 feet high, composed mainly of essexite and in other places of limestone with volcanic dykes.

Little Rock Stops Short Waves

It is believed that definite measurements of this kind have not previously been undertaken, and the following points may, therefore, be noted. It is practically certain that the signals were not coming along the metal rails of the double-line track, nor along the overhead direct current cable used for power and light in the tunnel.

It is chiefly noteworthy, moreover, that the 40-meter signals were easily reduced or attenuated by a comparatively thin layer of rock. This lends weight to the view that short wave signals pass to the upper atmosphere and are then reflected or bent by the heaviside layer, arriving at their destination by that lofty path and not by waves which follow the surface of the earth, for these, as these experiments have shown, are quickly eliminated.

FARM RADIO YIELDS BIG MONEY RETURN

AG RADIO CHIEF TELLS OF OBSERVATIONS HE MADE

Farmer's Main Objection Is to Loss of Sleep—Pickard Visualizes Great Future

EAST LANSING, Mich.—Radio on the farm is yielding more dollars and cents return on the investment, developing a more prosperous American agriculture and bringing about a better contented, understanding class of farmers than any other single scientific contribution of the age, Sam Pickard, chief of Radio, United States department of agriculture, told the convention of agricultural college editors which recently met here at East Lansing, Michigan.

After visiting the principal stations and approximately 600 farmers on a farm Radio survey tour through twenty agricultural states, Mr. Pickard stated that both college and commercial broadcasters are making an intelligent effort to anticipate the farmer's problems with interesting, helpful programs, and are winning large and faithful audiences of the most enterprising class of farmers.

Lack of Sleep Is Curse

Concrete examples of how practical application of information gained through Radio is helping the farmer's bank balance were cited. In districts sixty miles from a railroad he discovered farmers who had changed their farming to more profitable lines suggested by authoritative Radio talks.

"The farm fan," he said, "has two chief criticisms of Radio. The one most often voiced is the curse of not getting enough sleep. Most of them admit they sit up with their sets late into the night. Many others say that while they like to be neighborly they tire of the entire community dropping in every winter evening and then forgetting to go home."

A plea for the college to dramatize informational programs, injecting into them greater interest and more humor, was made.

Great Field to Develop

"I know of no field into which educational agencies have entered that offers keener competition than that of Radio. The day has passed when the mediocre speaker can hold a Radio audience. The lecture of long difficult words and sentences must give way to the more friendly, natural dialogue presented by effective Radio voices.

"Until educational institutions value the effectiveness of Radio instruction highly enough to finance adequately a competent staff, trained in the technique of broadcasting, they can not expect to utilize successfully this new invention, probably the greatest boon to education since the printing press was invented.

The department of agriculture's new policy of providing a staff of feature writers to weave timely information into dialogue material to be broadcast by trained announcers was commended to the college editors.

GOLD CUP AWARD NEWS

(Continued from page 2)

20. E. L. Tyson, WWJ (19)..... 2,068
21. Jerry Sullivan, WQJ (21).... 1,930
22. Paul Johnson, WCCO (22).... 1,862
23. N. Dean Cole, WHO (25)..... 1,684
24. Sen Kaney, KYW (24)..... 1,669
25. E. Konecky, WOAW (23)..... 1,618

Canadian Silver Cup Standing

1. Lillian Shaw, CKY (1).....4,681
2. Bert Hooper, CKCK (2).....1,515
3. H. C. Fricker, CKCL (3)..... 691
4. Robt. W. Combs, CKNC (4)..... 560
5. Geo. A. Wright, CNRV (5)..... 396
6. Jacques Cartier, CKAC (6)..... 307
7. C. W. Darling, CFCF (7)..... 104

Help your favorite announcer win this coveted prize. Remember that with four consecutive ballots turned in at one time you get an extra bonus of four votes. Don't fail your candidate now. Bring him down the home stretch with colors flying.

Vote Bonus Ballots

As a reward for saving consecutively numbered ballots and casting them at one time for the same candidate, a bonus vote, with size depending on the number in consecutive order, is credited to that candidate.

Each of these ballots will count for one vote when sent in separately. You can hold these ballots until you have four that are consecutively numbered and when they are sent in, a bonus of eight votes or total of twelve will be granted.

The larger number of consecutive ballots submitted, the greater is the bonus allowed. Eight consecutive ballots receive a bonus of twenty votes. Twelve consecutive ballots receive a bonus of thirty votes, or a total of forty-two votes. For a complete series of ballots, including one from each issue from March 27 to September 1, a bonus of fifty votes will be allowed.

AN EVENING AT HOME WITH THE LISTENER IN
IN EASTERN (OR CENTRAL DAYLIGHT) TIME

Call	Location	Met.	Kc.	Saturday	Sunday	Monday	Tuesday	Wed.	Thursday	Friday
AT9	Fort Bragg..	435	690	Silent	6:00- 7:00	Silent	Silent	Silent	8:00- 9:55	Silent
CFCA	Toronto....	356.9	840	8:00- 9:00	6:00- 9:30	Silent	Silent	Silent	Silent	Silent
CFCN	Calgary.....	356.9	690	12:00- 2:00	Silent	Silent	Silent	Silent	10:30-11:00	Silent
CJCA	Edmonton..	434.5	580	11:00- 1:00	9:30-10:30	9:30-11:30	9:30-10:00	8:00-10:00	11:00- 1:00	10:00- 1:00
CKAC	Montreal...	516.9	730	6:15-10:30	1:45- 2:45	Silent	6:15-10:30	Silent	7:30- 8:30	Silent
CKCL	Toronto....	410.7	840	6:00- 7:00	2:00- 3:55	Silent	6:00-10:50	Silent	6:00- 7:00	Silent
CKNC	Toronto....	356.9	840	Silent	Silent	8:00-10:00	Silent	Silent	7:00- 9:00	Silent
CKY	Winnipeg...	384.4	780	Silent	Silent	12:00- 1:00	Silent	10:00-12:00	10:00-11:00	Silent
CNRO	Ottawa.....	434.5	690	7:30-12:30	Silent	Silent	Silent	7:30-12:30	Silent	Silent
CYL	Mexico City.	480	625	Silent	10:24-11:54	Silent	10:24-11:54	Silent	Silent	10:24-11:54
CZE	Mexico City.	350	857	9:24-10:24	Silent	9:24-10:24	9:24-10:24	9:24-10:24	9:24-10:24	9:24-10:24
KDKA	Pittsburgh..	309	970	8:00- 9:55	Silent	5:30- 9:55	8:00-11:35	8:00- 9:55	8:00-11:15	8:00- 9:55
KFAB	Lincoln.....	340.7	880	6:30-11:30	5:00-12:00	6:30-11:30	6:30-11:30	6:30-11:30	Silent	6:30-11:30
KFDM	Beaumont..	315.6	950	Silent	9:00-10:00	Silent	9:00-11:00	Silent	Silent	9:00-11:00
KFH	Wichita....	267.7	1120	8:00- 9:00	Silent	8:00- 9:00	Silent	8:00- 9:00	Silent	8:00- 9:00
KFI	Los Angeles.	467	642	10 00- 4:00	10:00- 2:00	10:00- 2:00	10:00- 2:00	10:00- 2:00	9:30- 2:00	10:00- 2:00
KFJF	Okla. City..	260.7	1150	8:15-11:30	2:30-10:00	8:15-10:45	Silent	8:15-10:45	8:15-10:45	8:15-10:45
KFKX	Hastings....	288.3	1040	6:30- 7:30	Silent	6:30-12:00	6:30- 9:00	6:30-12:00	6:30- 9:00	6:30-12:00
KFNF	Shenandoah	461.3	650	8:00- 1:00	3:30-10:00	8:00- 1:00	8:00- 1:00	8:00- 1:00	8:00- 1:00	8:00- 1:00
KFOA	Seattle.....	454.3	660	12:30- 2:00	Silent	10:00- 1:00	9:00- 2:00	10:00- 1:00	Silent	9:00- 2:00
KFON	Long Beach.	232.4	1290	9:30- 3:00	9:30- 1:00	9:30- 3:00	9:30- 2:00	9:30- 2:00	9:30- 3:00	9:30- 3:00
KFQB	Fort Worth.	508.2	590	9:30-10:30	4:00 -9:30	9:30-10:30	9:30-10:30	Silent	9:30-10:30	9:30-10:30
KFUO	St. Louis...	545.1	550	8:45- 9:45	10:15-11:15	9:00-10:00	7:30- 8:30	10:15-11:15	Silent	10:30-11:30
KFVE	Univ'ty City	240	1250	10:15-11:15	Silent	10:15-11:15	10:15-11:15	10:15-11:15	Silent	10:15-11:15
KFWA	Ogden......	260.7	1150	11:00- 2 00	Silent	11:00- 1:00	Silent	11:00- 1:00	Silent	11:00- 1:00
KFWB	Hollywood..	252	1190	11:00- 2:00	12:00- 2:00	9:30- 2:00	10:00- 2:00	10:30- 2:00	11:00- 2:00	10:00- 2:00
KFWI	San Fran...	226	1330	Silent	11:00- 3:00	11:00- 3:00	Silent	11:00- 4:00	1:00- 3:00	11:00- 4:00
KFXF	Colorado...	250	1200	10:00-11:00	10:00-11:00	11:00-12:00	10:00-11:00	Silent	11:00-12:00	10:00-11:00
KGO	Oakland....	361.2	830	11:10- 4:00	7:00- 1:00	9:00- 1:00	9:00- 1:00	9:00- 9:55	9:00- 3:00	9:00- 9:55
KGW	Portland....	491.5	610	9:00- 3:00	10:30 -1:00	9:00- 3:00	9:00- 3:00	9:00-12:20	9:00- 3:00	9:00- 3:00
KHJ	Los Angeles.	405.2	740	9:30- 1:00	10:00- 1:00	Silent	9:30- 2:00	9:30- 2:00	9:30- 2:00	9:30- 2:00
KIAF	Sihtipok....	421	709	Silent	3:00- 4:00	8:00- 9:00	Silent	8:00- 9:00	Silent	8:00- 9:00
KJR	Seattle.....	384.4	780	9:00- 1:00	10:45- 1:45	9:00- 1:00	9:00- 1:00	9:00- 2:00	9:00- 3:00	9:00 -1:00
KLDS	Independ...	440.9	680	9:00-10:00	7:30-11:00	Silent	9:00-12:59	Silent	9:00-10:00	Silent
KLX	Oakland....	508.2	590	Silent	Silent	11:00-12:00	Silent	11:00- 1:00	Silent	11:00- 1:30
KMA	Shenandoah	461.3	650	10:00-12:00	5:00- 7:00	10:00-12:00	10:00-12:00	10:00-12:00	10:00-12:00	10:00-12:00
KMMJ	Clay Center.	229	1310	9:00-10:00	9:45-10:45	9:00-10:00	9:00-10:00	Silent	9:00-10:00	9:00-10:00
KMOX	St. Louis...	280.2	1070	7:30-12:00	10:00-11:30	7:30-12:00	7:30-12:00	7:30-12:30	Silent	7:30-12:00
KNX	Hollywood..	336.9	890	10:30- 5:00	9:30- 1:30	9:30- 3:00	10:00- 4:00	10:00- 3:00	10:00- 3:00	10:00- 3:00
KOA	Denver.....	322.4	930	Silent	7:30-10:00	8:30-12:15	8:30- 9:30	8:30- 2:00	8:30- 9:30	8:30-11:00
KOIL	Council Blfs	305.9	980	8:30- 1:00	8:30- 1:00	7:03- 1:00	7:03- 1:00	Silent	7:03- 1:00	7:03- 1:00
KPO	San Fran...	428.3	700	8:30- 3:00	9:00- 1:00	9:00- 2:00	9-30: 2:00	9:30- 2:00	9:30- 2:00	9:30- 2:00
KPRC	Houston....	296.9	1010	8:30-11:00	4:00- 1:00	7:30-11:00	7:30-11:00	7:30-11:00	7:30-11:00	Silent
KPSN	Pasadena...	315.6	950	11:00-12:00	Silent	Silent	11:00-12:00	Silent	11:00-12:00	Silent
KSL	Salt Lake...	299.8	1000	10:00- 1:00	9:30-12:00	9:00- 1:00	9:00-12:30	9:30- 1:00	9:30- 1:00	9:30-12:00
KTAB	Oakland....	302.8	990	Silent	10:45-12:15	11:00- 1:00	11:00- 1:00	11:00- 1:00	12:00- 3:00	11:00- 1:00
KTBI	Los Angeles.	293.9	1020	Silent	10:15-12:30	S lent	11:00-12:00	Silent	11:00-12:00	Silent
KTCL	Seattle.....	305.9	980	Silent	12:10- 9:10	10:00-11:00	11:00-12:00	Silent	Silent	10:00- 3:00
KTHS	HotSprings.	374.8	800	10:00-11:00	10:10-11:00	10:00-11:30	10:00-11:15	10:00-11:00	10:00-11:00	10:00-11:00
KTW	Seattle.....	455	660	9:30-10:30	Silent	Silent	9:30-10:30	Silent	9:30-10:30	Silent
KVOO	Bristow....	374.8	800	7:00-10:00	8:30-10:00	7:00-10:00	7:00-10:00	7:00-10:00	7:00-10:00	7:00-10:00
KWCR	Cedar Rapd.	278	1080	Silent	10:30-11:30	10:00-11:00	Silent	10:00-11:00	Silent	10:00-11:00
KWKH	Shreveport..	312.3	960	10:00- 1:00	8:00-12:00	10:00-12:30	10:00 -1:00	Silent	9:00-10:30	Silent
KWWG	Brownsville.	278	1080	Silent	Silent	7:00- 2:00	Silent	Silent	7:00- 2:00	Silent
KYW	Chicago....	535.4	560	6:30-12:00	9:30-12:00	Silent	6:30-12:00	6:30-12:00	6:30-12:00	6:30-12:00
NAA	Radio......	434.5	560	Silent	Silent	7:45- 8:00	7:45- 8:00	7:25- 8:40	7:45- 8:00	7:45- 8:00
PWX	Havana.....	400	750	8:30-11:00	8:00-10:15	8:30-11:00	8:30-11:30	8:00-10:15	Silent	Silent
WADC	Akron	258	1160	9:00-10:00	Silent	9:00-10:00	7:50-11:00	9:00-10:00	9:00-11:00	7:50- 3:00
WAAM	Newark.....	263	1140	5:00-10:00	Silent	5:00-10:00	5:00-10:00	5:00-10:00	5:00- 6:00	5:00-10:00
WAHG	Richmond..	315.6	950	11:00- 1:00	Silent	6:30- 1:00	Silent	6:30-11:00	Silent	7:00-10:00
WAIU	Columbus..	293.9	1020	9:15-11:00	3:30- 7:00	6:00-11:30	6:00-10:15	6:00- 7:00	6:00- 7:00	6:00-10:00
WAMD	Minneapols.	244	1230	7:15-11:30	10:30-11:30	8:00- 1:00	Silent	8:00- 1:00	Silent	7:15- 1:00
WBAL	Baltimore..	246	1220	Silent	7:30- 8:30	6:30-10:00	6:30-10:00	Silent	6:30-10:00	6:40-10:00
WBAP	Fort Worth.	475.9	630	8:30-12:00	10:30-12:00	8:30- 1:00	8:30-12:00	Silent	8:30- 1:00	8:30-12:00
WBAR	Sisiht......	406	756	Silent	11:00-12:00	10:00-11:00	Silent	9:00-10:00	8:30- 9:30	Silent
WBBM	Chicago....	226	1330	8:00- 2:00	4:00- 2:00	Silent	8:00-12:00	8:00- 2:00	8:00-12:00	8:00-10:00
WBBR	Staten Isld.	272.6	1100	7:00- 9:00	8:00- 9:15	7:00- 8:00	Silent	Silent	7:00- 8:00	Silent
WBCN	Chicago....	266	1130	9:00- 1:00	5:00-12:00	Silent	9:00- 1:00	8:00-12:00	9:00- 2:00	9:00- 1:00
WBZ	Springfield..	333.1	900	6:00- 9:30	7:00-10:00	6:00-10:00	6:00-10:00	6:00-10:00	6:00-10:00	6:00-10:00
WCAE	Pittsburgh..	461.3	650	5:30- 8:30	3:00- 8:15	7:00-10:00	7:00-10:05	7:00-10:00	7:00-10:00	7:00- 9:30
WCAU	Philadelph..	278	1080	Silent	5:30- 7:45	6:30-10:30	6:30-10:00	6:30-11:00	5:30-11:00	6:30-10:00
WCBD	Zion.......	344.6	870	Silent	9:00-11:30	Silent	9:00-11:30	Silent	9:00-11:30	Silent
WCCO	Minn.-St.P.	416.4	720	7:15-12:05	5:10-11.35	7:15-11:00	7:30-11:00	8:00-11:00	7:00-11:00	7:15-12:05
WCX	Detroit.....	516.9	580	6:00- 9:00	8:00-10:00	6:00-10:00	6:00-11:00	6:00-10:00	6:00-10:00	6:00-11.00
WDAF	Kansas City	365.6	820	7:00- 2:00	5:00- 5:45	7:00- 2:00	7:00- 2:00	7:00- 2:00	7:00- 2:00	7:00- 2:00
WDBO	Winter Park	239.9	1250	7:25-11:00	7:30- 8:30	7:25-11:00	7:15-11:00	7:25-11:00	7:25-11:00	7:15-11:00
WDWF	Providence..	440.9	680	Silent	Silent	Silent	6:45- 7:00	6:45- 7:00	6:45- 7:00	6:45- 7:00
WEAF	New York..	491.5	610	5:00-11:00	2:00- 9:15	5:00-11:00	5:00-11:00	5:00-11:00	5:00-11:00	5:00-11:00
WEAN	Providence..	270.1	1110	5:30- 9:30	6.30- 7:45	5:30- 9:30	5:30- 9:30	5:30- 9:30	5:30- 9:30	Silent
WEAO	Columbus..	293.9	1020	Silent	Silent	Silent	7:00- 9:00	8:00- 9:00	8:00-11:00	Silent
WEBH	Chicago....	370.2	810	7:00- 2:00	5:00- 9:00	Silent	7.00-12:30	7:00-12:30	7:00-12:30	7:00-12:30
WEBJ	New York...	272.6	1100	Silent	Silent	Silent	7:00- 9:00	7:00- 9:00	Silent	7:00- 9:00
WEEI	Boston.....	348.6	860	Silent	6:20-10:15	5:00-10:30	5:00-10:30	5:00-10:00	5:00-10:00	5:00-10:30
WENR	Chicago....	265.3	1120	6:00- 2:00	2:00-12:00	Silent	6:00-10:00	7:00- 2:00	6:00-10:00	6:00- 2:00
WFAA	Dallas......	475.9	630	7:00- 1:00	7:00- 1:00	7:30-10:30	7:30- 1:00	Silent	7:30-10:30	7:30-10:30
WFBH	New York...	272.6	1100	10:30- 1:00	4:00-10:00	10:30- 1:00	10:30- 1:00	10:30- 1:00	10:30- 1:00	10:30- 1:00
WFI	Philadelphia	394.5	760	Silent	6:30- 7:30	5.30- 6:30	5:45-10:30	5:45- 6:45	5:45-10:00	5:45- 6:45
WGBF	Evansville...	236.1	1270	Silent	Silent	Silent	8:00-10:00	Silent	Silent	8:00-10:15
WGBS	New York...	315.6	950	5:00-10:30	7:00- 8:00	6:00- 6:15	5:00-10:30	5:00- 7:30	5:00- 7:45	Silent
WGCP	New York...	252	1190	7:30-11:00	2:00- 5:00	8:00-10:30	Silent	6:00- 8:15	9:30-12:00	6:00- 8:10
WGES	Chicago..	250	1200	5:00- 1:00	5:00- 2:00	5:00- 7:00	5:00- 1:00	5:00- 1:00	5:00- 1:00	5:00- 1:00
WGHB	Clearwater..	266	1130	Silent	Silent	8:30-10:00	Silent	8:30-10:00	Silent	8:30-10:00
WGHP	Detroit.....	270	1110	Silent	Silent	6:00-10:00	6:00-10:00	6:00-10:00	6:00-12:00	6:00-12:00
WGN	Chicago....	302.8	990	6:05-11:00	6:15-11:00	Silent	6:01-12:00	6:45-12:30	6:45-11:00	6:45-11:00
WGR	Buffalo.....	319	940	7:30- 9:00	6:45- 8:45	7:45-12:00	5:30-10:30	5:30- 9:00	5:30-10:00	6:00-12:00
WGY	Schenectady	379.5	790	6:30-10:30	6:05-10:00	Silent	6:30- 9:30	6:00- 8:15	5:30-11:30	5:30-10:30
WHAD	Milwaukee..	275.1	1090	7:00- 8:00	4:15- 5:15	7:15-11:00	7:10-10:30	7:10- 1:30	7:10-10:30	7:10- 7:55
WHAR	Atlantic City	275.1	1090	6:30- 8:00	6:50- 9:00	6:30-11:00	6:30- 8:00	Silent	6:30-11:00	6:30- 8:00
WHAS	Louisville...	399.8	750	8:30-10:00	5:30- 6:30	Silent	8:30-10:30	8:30-10:00	8:30-10:00	8:30-10:00
WHAZ	Troy.......	379.5	790	Silent	Silent	9:00-12:00	Silent	Silent	Silent	Silent
WHB	Kansas City	365.6	820	Silent	9:00- 2:00	8:00- 9:00	8.00-11:00	8:00- 9:00	8:00-11:00	8:00- 9:00
WHN	New York...	361.2	830	Silent	2:00-11:30	5:30-11:30	5:00-12:00	5:00-12:00	5:00-12:00	5:00-12:00
WHO	Des Moines.	526	570	Silent	6:00- 9:30	8:30-10:00	8:30-10:00	7:00-12:00	8:30-10:00	8:30-10:00
WHT	Chicago....	399.8	750	7:00- 1:00	7:00- 1:00	Silent	7:00- 1:00	7:00- 1:00	7:00- 1:00	7:00- 1:00
WIBO	Chicago...	226	1330	6:00- 8:00	6:00-12:00	Silent	6:00- 2:00	6:00-12:00	6:00- 2:00	6:00- 2:00
WIP	Philadelphia	508.2	590	7:15-11:05	6:15-10:30	5:05- 7:00	5:05-10:30	5:05- 7:00	5:05-11:00	5:05- 7:00
WJAR	Providence..	305.9	980	Silent	5:00- 9:15	6:45-10:00	6:30- 9:00	6:30-10:00	6:45-10:00	6:45- 9:30
WJAS	Pittsburgh..	275.3	1090	7:00-12:00	Silent	7:00-12:00	7:00-12:00	7:00-12.00	7:00-12:00	7:00-12:00
WJAX	Jacksonville	336.9	890	8:00-10:00	7:30- 8:30	8:00-10:00	8:00-12:00	8:00-10:00	8:00-12:00	8:00-10:00
WJAZ	Chicago...	329.5	910	Silent	Silent	Silent	Silent	Silent	11:00- 1:00	Silent
WJJD	Mooseheart.	370.2	810	5:30- 1:00	2:30- 4:00	Silent	5:45- 1:00	5:45- 1:00	5:45- 1:00	5:45- 1:00
WJR	Pontiac...	516.9	580	7:00-12:30	Silent	7:00-12:30	7:00-10:00	7:00-12:30	7:00-11:00	7:00-10:00
WJZ	New York...	454.3	660	6:05-10:30	6:05- 9:30	6:05-10:30	6:05-10:45	6:05-10:30	6:05-11:00	6:05-10:30
WKAQ	San Juan...	340.7	880	Silent	Silent	Silent	Silent	7:00- 9:00	7:00- 9:00	7 00- 9:00
WKRC	Cincinnati.	422.3	710	10:00-11:15	5:45-11:15	5:00-12:00	9:00-11:45	5:00-12:00	9:00-11:15	Silent
WLIB	Chicago....	302.8	990	7:00- 1:00	5:00- 6:15	Silent	7:00- 1:00	7:00- 1:00	7:00- 1:00	11:00- 1:00
WLIT	Philadelphia	394.5	760	Silent	Silent	7:00-10:45	6:30- 7:30	7:30-10:00	6:30- 7:30	7:00-11:00
WLS	Chicago....	344.6	870	7:15- 1:00	7:00- 8:55	Silent	6:40- 7:55	6:40- 1:00	6:40- 7:55	6-40:11:00
WLW	Cincinnati..	422.3	710	7:00-10:00	4:00- 9:30	7:00-11:00	7:00-10:00	7:00-12:00	7:00- 1:15	Silent
WLWL	New York..	288.3	1040	Silent	6:00- 7:00	7:00- 9:00	Silent	Silent	7:00- 9:00	Silent
WMAK	Lockport...	265.5	1130	6:00- 7:30	6:00- 7:00	5:15-10:00	Silent	6:30- 9:00	Silent	6:15- 9:30
WMAQ	Chicago....	447.5	670	6:00-10.00	Silent	Silent	6:00- 9:55	6:00- 9:55	6:00- 9:00	6:00- 9:55
WMBB	Chicago..	250	1200	7:00-11:00	3:00-11:00	Silent	7:00-11:00	7:00-11:00	7:00-11:00	7:00-11:00
WMBF	Miami Bea'h	384.4	780	7:00- 1:00	7:00- 1:00	7:00- 1:00	7:00- 1:00	7:00- 1:00	7:00- 1:00	7:00- 1:00
WMC	Memphis	499.7	600	9:30-10:30	Silent	9:30-10:30	9:30- 1:00	Silent	9:30-10:30	9:30- 1.00
WMCA	New York.	340.7	880	8:00-12:00	6:00- 9:00	8:00-11:00	7:00-11:00	8:00-11:00	8:00-11:00	7:00-10:45
WNAC	Boston...	431	697	5:00-10:00	2:15- 7:45	5:30 -9:45	5:00- 8:00	5:00- 9:00	5:00- 8:00	5:00-10:00
WNYC	New York.	526	570	6:00- 9:30	8:00-10:00	6:35- 9:30	6:10-10:30	6:30- 9:30	6:35- 9:30	6:30- 9:30
WOAI	San Antonio	394.5	760	Silent	8:45- 9:45	9:30-10:30	9:30-10:30	9:30-10:30	9:30-10:30	9:30-10:30
WOAN	Lawrenceb'g	282.8	1060	Silent	10:00-11:00	10:00- 2:30	10:00-11:00	10:00-11:00	10:00-11:00	10:00-11:00
WOAW	Omaha....	526	570	7:00- 1:00	7:00-10:00	7:00-11:00	7:00- 2:00	Silent	7:00- 2:00	7:00-12:15
WOAX	Trenton	240	1250	Silent	8:30-10:30	Silent	Silent	Silent	Silent	Silent
WOC	Davenport..	483.6	620	10:00 11:00	9:00-11:30	Silent	7:30-10:00	8:00-11:30	Silent	9:00-10:30
WOI	Ames	270.1	1110	Silent	Silent	8:45- 9:45	Silent	Silent	8:45- 9:45	Silent
WOK	Homewood.	217.3	1380	10:00- 1:00	7:00- 1:00	Silent	10:00- 1:30	10:00- 1:30	10:00- 1:30	10:00- 1:30
WOO	Philadelphia	508.2	590	Silent	5:00- 6:00	6:30-11:00	6:30- 7:30	6:30-10:30	6:30- 7:30	6:30-11:00
WOOD	Grand Rpds.	242	1240	9:00 11:05	Silent	9:00-11:05	9:00-11:05	9:00-11:05	Silent	9:00-11:10
WOQ	Kansas City	278	1080	9:00-12:00	9:00-10:15	Silent	9:00-10:00	Silent	8:00-10:00	Silent
WOR	Newark	405.2	740	5:15 11:00	Silent	5:15-11:00	5:15- 7:00	5:15-10.30	5:15- 7:20	5:15- 7:00
WORD	Batavia....	275	1090	7:00 10:25	2:30-10:00	Silent	7:00-12:45	7:00-12:00	7:00-10:00	7:00-12:45
WOS	Jeffer'n City	440.9	680	Silent	6:00- 9:30	9:00-11:00	Silent	9:00-11:00	Silent	9:00-11.00
WPG	Atlantic City	299.8	1000	5:45 11:00	2:15-10:00	5:45-11:00	5:45-11:00	Silent	5:45-11:00	5:45-11:00
WQJ	Chicago....	447.5	670	7:00- 3:00	3:00-10:00	Silent	7:00- 2:00	7:00- 2:00	7:00- 2:00	7:00- 2:00
WRC	Washington	468.5	640	7.00-12:00	4:00-10:00	5:00-10:00	7:00-11:30	6.30-10:00	7:00-11:30	7:00-10:00
WREO	Lansing..	285.5	1050	10.00-12.00	Silent	Silent	8:15-10:00	6:00- 7:00	6:00- 9:15	6:00- 7:00
WRR	Dallas...	245.8	1220	7:00 10:00	8:30-11:30	7:00-10:00	7:10- 8:00	Silent	7:10-11:30	7:10- 1:00
WRVA	Richmond..	256	1170	Silent	Silent	8:30-11:30	Silent	8:30-11:00	8:30-10:30	7:00-11:00
WRW	Tarrytown..	273	1100	7:00-10:30	7:00-10:30	8:00-10:30	8:00-10:30	8:00-10:30	8:00-10:30	8:00-10:30
WSAI	Cincinnati.	325.9	920	8.00 10:30	7:45- 9:45	9:00-11:00	7:00-10:00	6:00-12:15	7:00-10:00	Silent
WSB	Atlanta.....	428.3	700	9:00- 1:00	8:30-10:15	9:00- 1:00	9:00- 1:00	11:45- 1:00	9:00- 1:00	9:00- 1:00
WSBC	Chicago...	238	1260	6:30- 4:00	6:30- 1:00	6:30- 7:00	6:30- 1:00	6:30- 1:00	6:30- 1:00	6:30- 1:00
WSM	Nashville...	282.8	1060	8:00-12:00	Silent	8:00-12:00	8:45-10:00	8:00-12:00	Silent	8:00-12:00
WSMB	New Orleans	319	940	9:30 11:30	Silent	9:30-12:30	Silent	9:30-11:30	9:30-11:30	Silent
WSUI	Iowa City...	483.6	620	Silent	10:00-11:00	9:00-10:00	Silent	9:00-10:00	S lent	Silent
WSWS	Chicago....	275.1	1090	6:00- 1:00	7:00- 9:30	Silent	6:00- 1:00	6:00- 1:00	6:00- 1:00	6:00- 1:00
WTAG	Worcester...	545.1	550	Silent	8:15- 9:15	5:00- 7:00	5:45- 9:30	5:30- 9:00	5:45- 9:00	5:00-10:00
WTAM	Cleveland..	389.4	770	6:00-12:00	7:00- 9:30	6:00-12:00	6:00-12:00	6:00-12:00	6:00-12:00	6:00-12:00
WTIC	Hartford...	475.9	630	Silent	Silent	6:30-10:30	Silent	6:30-10:00	6:30-10:00	6:30-10:00
WWJ	Detroit.....	352.7	850	7:30- 8.30	6:20- 8:45	6:00-10:00	6:00- 8:00	6:00-10:00	6:00- 8:00	6:00-10:00

STATIONS IN ORDER OF WAVE LENGTHS

Meters	Call	Meters	Call	Meters	Call	Meters	Call	Meters	Call	Meters	Call
217.3	WOK	268	KFH	299.8	KSL	348.6	WEEI	405.2	WOR	475.9	WBAP
226	KFWI	270.1	WEAN	299.8	WPG	350	CZE	406	WBAR	475.9	WTIC
226	WBBM	270.1	WGHP	302.8	WGN	352.7	WWJ	410.7	CKAC	475.9	WFAA
226	WIBO	270.1	WOI	302.8	WLIB	356.9	CFCA	416.4	WCCO	480	CYL
229	KMMJ	272.6	WBBR	302.8	KTAB	356.9	CKCL	421	KIAF	483.6	WOC
232.4	KFON	272.6	WEBJ	305.9	KOIL	356.9	CKNC	422.3	WLW	483.6	WSUI
236.1	WGBF	272.6	WFBH	305.9	KTCL	361.2	KGO	422.3	WKRC	491.5	KGW
238	WSBC	273	WRW	305.9	WJAR	361.2	WHN	428.3	WSB	491.5	WEAF
240	KFVE	275.1	WHAD	309.1	KDKA	365.6	WDAF	428.3	KPO	499.7	WMC
240	WOAX	275.1	WHAR	312.3	KWKH	365.6	WHB	431	WNAC	502.8	KFQB
242	WOOD	275.1	WORD	315.6	KFDM	370.2	WEBH	434.5	CNRO	508.2	KLX
244	WAMD	275.1	WSWS	315.6	KPSN	370.2	WJJD	434.5	CFCN	508.2	WIP
246	WBAL	275.3	WJAS	315.6	WAHG	374.8	KTHS	434.5	NAA	508.2	WOO
250	KFXF	278	KWCR	315.6	WGBS	374.8	KVOO	435	AT9	516.9	CJCA
250	WGES	278	KWWG	319	WGR	379.5	WGY	440.9	KLDS	516.9	WCX
250	WMBB	278	WCAU	319	WSMB	379.5	WHAZ	440.9	WDWF	516.9	WJR
252	KFWB	278	WOQ	322.4	KOA	384.4	CKY	440.9	WOS	526	WHO
252	WGCP	280.2	KMOX	325.9	WSAI	384.4	KJR	447.5	WMAQ	526	WNYC
256	WRVA	282.8	WOAN	329.5	WJAZ	384.4	WMBF	447.5	WQJ	526	WOAW
258	WADC	282.8	WSM	333.1	WBZ	389.4	WTAM	454.3	KFOA	535.4	KYW
260.7	KFWA	285.5	WREO	336.9	KNX	394.5	WFI	454.3	WJZ	545.1	KFUO
260.7	KFJF	288.3	KFKX	336.9	WJAX	394.5	WLIT	455	KTW	545.1	WTAG
263	WAAM	288.3	WLWL	340.7	KFAB	394.5	WOAI	461.3	KFNF		
265.6	WBCN	293.9	KTBI	340.7	WKAQ	399.8	WHAS	461.3	KMA		
265.6	WENR	293.9	WAIU	340.7	WMCA	399.8	WHT	461.3	WCAE		
265.6	WGHB	293.9	WEAO	344.6	WCBD	400	PWX	467	KFI		
265.6	WMAK	296.9	KPRC	344.6	WLS	405.2	KHJ	468.5	WRC		

"PRETENSE"

(Continued from page 10)

with the words. "Most really eligible men these days seem to feel about marriage as you do. They want roses without thorns. A great many are successful in their quest, too."

"Don't be so reproachful, Evelyn. Women today demand so much that few men are able to marry until they reach an age where real romance is a thing of the past. The modern girl expects her young husband who is just embarking upon his life's work to provide her with the same luxuries as her father, who is a success after years of effort. Yet every man must have a certain amount of love with its attendant pleasures. If he can't afford to enjoy it legitimately, he'll have it otherwise."

"Why, Boris! You talk like Dorothy Dix!"

"Perhaps I am moralizing. Yet I've told only the truth. You know it as well as I do."

"But there are exceptions."

"A few. Too few. That's the main trouble with the American people. They're not willing to struggle and sacrifice to endure anything as a means to an end. That is why they've never been able to compete with Europeans in the arts."

"**You**—of all people—to talk about sacrifice and endurance!" exclaimed the girl. "Why, you don't know what the words mean!"

"No?" He gazed at her queerly, his eyes holding a half-quizzical, half-eager light as though he were about to divulge some surprising thing. But the light faded suddenly and his face hardened. "Observation is sometimes almost as revealing as experience."

In the artistically dim illumination an approaching figure threw a shadow across the table. Prince Boris looked up quickly. It was Ricardo, the dancer. Regretfully, annoyance plainly visible on his countenance, Masillof rose and bowed. Without invitation or hesitancy the newcomer sank gracefully into the vacant chair beside the girl.

"Good morning," he greeted pleasantly.

Masillof, occupied with lighting another cigarette, made no answer. But rage welled within him at the girl's cordial response. Despite his brazen daring, Ricardo was seldom rebuffed. He possessed that unique faculty known as "a way with women" and the men, fearful of the accusation of jealousy, rarely revealed their feelings.

Thrice each night Ricardo did exhibition dances with Frascita. The balance

(Continued on page 27)

It's here! CX300A

The Radio Surprise of 1926

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ENGLISH WOMAN IS WCCO STUDIO CHIEF

COMES FROM "VALLEY OF KINGS" TO SAINT PAUL

When Forced to Support Self She Once O. K'd Cattle Loans for National Bank

MINNEAPOLIS.—From the quiet surroundings in the Valley of Kings, where King Tut's tomb has been located, to the busy life of a program director, announcer and accompanist in a modern broadcasting station, is the rather radical change in the mode of existence enjoyed in the last few years by Mrs. Edith M. Stevens, program director of the Saint Paul studios of the Gold Medal station, WCCO, Saint Paul-Minneapolis.

A native of England, and the wife of a British army officer, Mrs. Stevens has traveled all over the world and lived in many parts of it. For several years her husband was stationed in Egypt, and she says that many times has she visited the Valley of Kings and probably rested on the very spot where King Tut was buried, without ever knowing it. At that time she said she had no more idea of what Radio was all about than the long-deceased monarch.

Once O. K'd Cattle Loans

After residing for some time in Gibraltar, Paris, Belgium, and London, Mrs. Stevens, after the loss of her husband, came to the United States in 1916, selecting Saint Paul for her residence. She obtained employment in one of the largest of the national banks there. While in the bank she was given the rather novel assignment for a woman of having charge of all cattle loans. The reason for this, the president of the bank explained, was that in going over the letters from farmers stating their financial conditions, human interest was a more necessary qualification than merely usual business procedure.

Besides being an experienced business woman, Mrs. Stevens is also an accomplished musician, and when the Gold Medal station came into existence in 1924 she was persuaded to take the position of director of the Saint Paul programs.

She also enjoys a very wide acquaintance among the club and professional women of the twin cities. How wide may be judged from the fact that recently she was elected president of the Saint Paul Business and Professional Women's club, and this acquaintance has enabled her to make many excellent contacts for WCCO with the women's organizations.

While Mrs. Stevens is now one of the Northwest's most popular women announcers, when she first began to talk into the microphone, many had difficulty in understanding her distinct English accent. In fact, one of the first days that she announced, an excited subscriber called the Gold Medal station and wanted to know if they were now relaying programs from 2LO at London.

HEADS GOLD MEDAL SAINT PAUL STUDIO

Edith M. Stevens

SHORT WAVES

By Marcella

(Continued from page 2)

There Mrs. Hunter discovered a bobber shop. Snip! Snip! And when she came out she belonged to the great army of bobbed-haired ladies. She felt no remorse but straightway accepted an invitation to broadcast a recital from KPO. Los Angeles heard her, was jealous, and she broadcast another recital at KFI. And now her old friends of the WEAF audience have welcomed her home again.

* *

Yoo-Hoo! Betty and Peggy White, Jefferson City, Mo. Si, mio caro Senoritas, el Senor Vincent Lopez uno soltero esto, 32 years old, y, a fe, Espanol, (excuse my Spanish). In other words, Vincent Lopez, one of the prevailing furores of Eastern Radio circles, is single, 32, and, in truth, a Spaniard. At least he comes from a Spanish tree—family tree, of course, and I rather suspect that he is not a blond. My information states that his chief occupation is directing the Casa Lopez orchestra, hosting at his own club on Fifty-seventh street, near Broadway, and playing circles around Brunswick records the while. He is neither a matador nor a toreador but he's a good cazador and all the girlsador—but they say with all this and that he's a busy, busy man.

* *

"As you know about everything please tell me all about the Gold Dust Twins," writes Miss Kathryn Gates of Chester, Ill. That's good, Kathryn, and if Marcella was only here she might be able to do it but all I can get is a whole page of blah without one real hint as to their real names from WEAF. "Goldy," according to Mr. Johnstone, "is the tenor half of the combination and is known under his own name all over the country through phonograph records and personal appearances. Dusty, the baritone twin, has had a wide concert and oratorio experience. A few seasons ago he appeared with the Philharmonic orchestra at the Lewissohn Stadium, New York." Make 'em any color of hair and eyes you want, Kathryn, 'salright with me. That's their and WEAF's secret.

You may have been listening when one of them said, "What faw does dem city ladies go faw a wearin' men's pants?"

"Not so, they's knickers."

"Not what I seed, they's white folks."

And here's a post card from that dear Marcella. It shows her lifting a twig on which are strung two large bass and a trout. Oh Marcella, how could you! But she's not stringing me. I see a small boy with a crooked pole in the background, there's a coin in his hand and a wink in his eye. But, if your letter didn't get answered this time, please be patient, Marcella will take care of it in the next Radio Digest.

* *

Sure, don't mention it. I'm only sorry I couldn't do better for you.

Old Man Grundy.

* *

What deep secret would you like to know about your favorite broadcast star? Drop me a note, girls and boys, and I'll do my best to answer here. MARCELLA.

Women Predict Future Of Radio in Contest

Search for "Miss Radio" Uncovers Interesting Papers

NEW YORK.—Women are not leaving it to scientists to visualize the future of Radio. Many of the feminine fans have decided opinions of their own on this subject. Their views have been expressed in letters sent to the Radio World's Fair management in the annual "Miss Radio" contest, to determine America's leading Radio enthusiast.

"Radio will take the place of all power lines," predicts Mrs. Abba Lindsay McCumber of Cleveland, O.

She speaks with thorough knowledge of Radio, as she was the second and youngest operator of her sex to hold a commercial station, and she has spent many most interesting moments "at the key" in Tacoma, Portland, Seattle, Wenatchee, and other places, while during the war she taught Radio telegraphy to a class of women, after being politely informed that there was no provision for a woman teacher of men in that capacity, at the Naval Training station at Great Lakes.

"I believe it is only a question of time until every home will be equipped with Radio," states Mrs. McCumber. "Our present phone and light lines will be eliminated. Ships will be navigated solely by Radio. There seems to be no end to this wonderful invention. In reality it is only in its infancy now."

WOMANS' PROGRAM INDEX

Monday

Atlantic Eastern Central Mountain Pacific

10:30 a.m. 9:30 8:30 7:30 6:30
WWJ (352.7m-850kc), Tonight's dinner.

10:45 9:45 8:45 7:45 6:45
WTAG (545.1m-550kc), Marjorie Woodman, nurse.

11:50 10:50 9:50 8:50 7:50
WMC (499.7m-600kc), Home economics discussion, Miss Kitty.

12 n. 11 10 9 8
WHT (399.8m-750kc), Women's club, Jean Sargent.
WQJ (447.5m-670kc), Home Economics program. Aug. 16, "Golf"; Aug. 23, "Modern Laundering," John A. Heist.

12:30 p.m. 11:30 10:30 9:30 8:30
WEBH (370.2m-810kc), Fashion and household talks.
WGBF (236.1m-1270kc), Cooking instructions.
WGN (302.8m-990kc), Home Management period.

12:35 11:35 10:35 9:35 8:35
KYW (535.4m-560kc), Table talk.

2 1 12 n. 11 10
KGW (491.5m-610kc), Household helps.
WSOE (245.8m-1220kc), Ladies' hour.

2:20 1:20 12:20 11:20 10:20
WGBF (236.1m-1270kc), Garden talk.
WGY (379.5m-790kc), Cooking lesson.

2:45 1:45 12:45 11:45 10:45
WQJ (447.5m-670kc), Aug. 16, "Waffles Still Hold the Fort," "The Care of the Skin and Hair"; Aug. 23, "Hot Weather Meats and Sauces."

3 2 1 12 n. 11
WJZ (454.3m-660kc), "Your Daily Menu."

3:15 2:15 1:15 12:15 11:15
KOIL (305.9m-980kc), Shopper's aid.

3:30 2:30 1:30 12:30 11:30
KFNF (461.3m-650kc), Mothers' hour.

4 3 2 1 12 n.
WCCO (416.4m-720kc), Women's hour.
WSOE (246m-1220kc), Cooking chats.
WHB (365.6m-820kc), Ladies' hour.
WIP (508.2m-500kc), Market hints for housewives.

4:45 3:45 2:45 1:45 12:45
KFNF (461.3m-650kc), Ladies' hour.

5 4 3 2 1
WOC (483.6m-620kc), Home management schedule, Aunt Jane.

6 5 4 3 2
KMOX 280.2m-1070kc), Housewives' hour.

6:15 5:15 4:15 3:15 2:15
KYW (535.4m-560kc), Meat talk, John Cutting.

Tuesday

Atlantic Eastern Central Mountain Pacific

10 a. m. 9 8 7 6
WIP 508.2m-590kc), Menu, Anna Scott.

10:30 9:30 8:30 7:30 6:30
WWJ 352.7m-850kc), Tonight's dinner.

10:45 9:45 8:45 7:45 6:45
WTAG (545.1m-550kc), Talk to mothers.

11 10 9 8 7
KDKA (309.m-970kc), Domestic Science. Arts for the Housewife.

12 n. 11 10 9 8
WHT (399.8m-750kc), Women's club, Jean Sargent.
WMCA (340.7m-880kc), Home Makers' club.
WQJ (447.5m-670kc), Home economics. Aug. 17, Mrs. Martha Ellen Abt; Aug. 24, Dr. Fran Furch.

12:30 p.m. 11:30 10:30 9:30 8:30
WEBH (370.2m-810kc), Fashion and household talks.
WGN (302.8m-990kc), Home Management period.

12:45 11:45 10:45 9:45 8:45
WOI (270.1m-1110kc), Homemakers' period.

1:15 12:15 11:15 10:15 9:15
KMOX (280.2m-1070kc), Fashion talk.

Atlantic Eastern Central Mountain Pacific

2 p. m. 1 12 n. 11 10
KGW (491.5m-610kc), Household Helps, shopping guide.
WGBF (236.1m-1270kc), Garden talk.

2:45 p.m. 1:45 12:45 11:45 10:45
WQJ (447.5m-670kc), Home Economics. Aug. 17, "The Use of Condiments and Spices in Your Foods"; Aug. 24, "Casserole Dishes Good for Hot Weather"; "The Report Card"; style talk.
WGBF (236.1m-1270kc), Garden talk.

3 2 1 12 n. 11
WJZ (454.3m-660kc), "Your Daily Menu," Mrs. J. Heath.

3:15 2:15 1:15 12:15 11:15
KOIL (305.9m-980kc), Shopper's aid.

3:30 2:30 1:30 12:30 11:30
KFNF (461.3m-650kc), Half Hour on Cooking.

4 3 2 1 12 n.
WIP (508.2m-590kc), Menu talk.

4:15 3:15 2:15 1:15 12:15
WHO (526m-570kc), Recipes, household hints.

4:30 3:30 2:30 1:30 12:30
WLS (344.6m-870kc), Homemakers.

4:45 3:45 2:45 1:45 12:45
KFNF (461.3m-650kc), Ladies' hour.

5 4 3 2 1
WOC (483.6m-620kc), Home management schedule.

6 5 4 3 2
KMOX (280.2m-1070kc), Housewives' hour.

6:30 5:30 4:30 3:30 2:30
KOA (322.4m-930kc), Housewives' matinee.

7 6 5 4 3
KOA (322.4m-930kc), Culinary hints, Clara Hoover. Fashion hints.

7:45 6:45 5:45 4:45 3:45
WPG (299.8m-1000kc), Fashion Flashes.

Wednesday

Atlantic Eastern Central Mountain Pacific

10:30 a.m. 9:30 8:30 7:30 6:30
WWJ (352.7m-850kc), Tonight's dinner.

10:45 9:45 8:45 7:45 6:45
WTAG (545.1m-550kc), Talk to Housewives, Mrs. Lydia Flanders.

12 n. 11 10 9 8
WEAO (293.9m-1020kc), Housekeepers' half hour.
WHT (399.8m-750kc), Women's club, Jean Sargent.
WQJ (447.5m-670kc), Home Economics program. Aug. 18, Dr. Emmet Keating; Aug. 25, "Little Talks on Pictures," Marjory Curry.

12:30 p.m. 11:30 10:30 9:30 8:30
WEBH (370.2m-810kc), Fashion and Household talks.
WGBF (236.1m-1270kc), Cooking instructions.
WGN (302.8m-990kc), Household management period.

12:35 11:35 10:35 9:35 8:35
KYW (535.4m-560kc), Table talk.

1:15 12:15 11:15 10:15 9:15
KMOX (280.2m-1070kc), Cookery, Gladys Kimbrough.

2 1 12 n. 11 10
KGW (491.5m-610kc), Household Helps, shopping guide.

2:20 1:20 12:20 11:20 10:20
WGBF (236.1m-1270kc), Garden talk.

2:45 1:45 12:45 11:45 10:45
WQJ (477.5m-670kc), Home economics. Aug. 18, "Eggs for Hot Weather"; Children's diets; Aug. 25, "Hot Weather Sandwich Meals"; "Women Versus Dependency."

3 2 1 12 n. 11
WJZ (454.3m-660kc), "Your Daily Menu."

3:15 2:15 1:15 12:15 11:15
KOIL (305.9m-980kc), Shopper's aid.

3:30 2:30 1:30 12:30 11:30
KFNF (461.3m-650kc), Half hour on cooking.

4 3 2 1 12 n.
WCCO (416.4m-720kc), Woman's hour.
WHB (365.6m-820kc), Ladies' hour.

Atlantic Eastern Central Mountain Pacific

4:30 p. m. 3:30 2:30 1:30 12:30
WLW (422.3m-710kc), Cooking school.

4:45 3:45 2:45 1:45 12:45
KFNF (461.3m-650kc), Ladies' hour.

5 4 3 2 1
WOC (483.6m-620kc), Home management schedule, Aune Jane.

5:30 4:30 3:30 2:30 1:30
KFNF (461.3m-650kc), Flower talk.

6 5 4 3 2
KMOX (280.2m-1070kc), Housewives' hour.

7 6 5 4 3
KGO (361.2m-830kc), "Hints for Housekeeper."

8 7 6 5 4
KLX (508.2m-590kc), Woman's hour.
KMA (461.3m-650kc), Domestic science talk.

8:45 7:45 6:45 5:45 4:45
WBZ (333.1m-900kc), Household management.

Thursday

Atlantic Eastern Central Mountain Pacific

10 a.m. 9 8 7 6
WIP (508.2m-590kc), Menu talk.

10:30 9:30 8:30 7:30 6:30
WWJ (352.7m-850kc), Tonight's dinner.

10:45 9:45 8:45 7:45 6:45
WTAG (545.1m-550kc), Marjorie Woodman, nurse.

11 10 9 8 7
WEAF (491.5m-610kc), Talks, cookery lecture.

11:50 10:50 9:50 8:50 7:50
WMC (499.7m-600kc), Home economics discussion, Miss Kitty.

12 n. 11 10 9 8
WEAO (293.9m-1020kc), Housekeepers' half hour.
WEAR (389.4m-770kc), Home service talk.
WHT (399.4m-750kc), Women's club, Jean Sargent.
WMCA (340.7m-880kc), Food bureau program.
WQJ (447.5m-670kc), Aug. 19, "Peanut Butter Cookery"; Aug. 26, "The Labor Day Outing."

12:30 p.m. 11:30 10:30 9:30 8:30
WEBH (370.2m-810kc), Household and fashion talks.
WGN (302.8m-990kc), Home Management period.

12:35 11:35 10:35 9:35 8:35
KYW (535.4m-560kc), Table talks.

12:45 11:45 10:45 9:45 8:45
WOI (270.1m-1110kc), Homemakers' period.

1:15 12:15 11:15 10:15 9:15
KMOX (280.2m-1070kc), Recipes.

2 1 12 n. 11 10
KGW (491.5m-610kc), Household helps.

2:20 1:20 12:20 11:20 10:20
WGBF (236.1m-1270kc), Garden talk.

2:45 1:45 12:45 11:45 10:45
WQJ (447.5m-670kc), Aug. 19, "A Boat Lunch"; Aug. 26, "Unexpected Guests."

3 2 1 12 n. 11
WJZ (454.3m-660kc), Your Daily Menu.

3:15 2:15 1:15 12:15 11:15
KOIL (305.9m-980kc), Shopper's aid.
WJZ (454.3m-660kc), "Wall Paper, Room by Room," A. Fillebroun.

3:30 2:30 1:30 12:30 11:30
KFNF (461.3m-650kc), Half hour on cooking.

4 3 2 1 12 n.
KSO (241.8m-1240kc), Woman's hour, Mrs. Margaret B. Russell.

4:30 3:30 2:30 1:30 12:30
WLS (344.6m-870kc), Homemakers hour.

4:45 3:45 2:45 1:45 12:45
KFNF (461.3m-650kc), Ladies' hour.

5 4 3 2 1
WOC (483.6m-620kc), Home management schedule, Aunt Jane.

6 5 4 3 2
KMA, 461.3m-650kc), Woman's hour.
KMOX (280.2m-1070kc), Housewives' hour.

Atlantic Eastern Central Mountain Pacific

6:30 p. m. 5:30 4:30 3:30 2:30
KOA (322.4m-930kc), Housewives' matinee.
WCCO (416.4m-720kc), Women's club program.

7 6 5 4 3
KOA (322.4m-930kc), Culinary hints, Clara Hoover.

Friday

Atlantic Eastern Central Mountain Pacific

10:30 a.m. 9:30 8:30 7:30 6:30
WWJ (352.7m-850kc), Tonight's dinner.

11 p.m. 10 9 8 7
KDKA (309.1m-970kc), Domestic science and Arts for the Housewife.

12 n. 11 10 9 8
WEAO (293.9m-1020kc), Housekeepers' half hour.
WHT (399.8m-750kc), Women's hour, Jean Sargent.
WQJ (447.5m-670kc), Permanent waving.

12:15 p.m. 11:15 10:15 9:15 8:15
KYW (535.4m-560kc), Meat talk.
WMCA (340.7m-880kc), Food bureau.

12:30 11:30 10:30 9:30 8:30
WEBH (370.2m-810kc), Household and fashion talks.
WGBF (236.1m-1270kc), Cooking instructions.
WGN (302.8m-990kc), Home Management period.

12:35 11:35 10:35 9:35 8:35
KYW (535.4m-560kc), Table talk.

1:15 12:15 11:15 10:15 9:15
KMOX (280.2m-1070kc), Household hints.

2 1 12 n. 11 10
KGW (491.5m-610kc), Household helps.

2:45 1:45 12:45 11:45 10:45
WOAW (526m-570kc), Sunshine Sunday dinner menu.
WQJ (447.5m-670kc), Aug. 20, "Your Home," June Dunham; Aug. 27, "The Woman and Her Figure," Mrs. Florence E. Lund.

3 2 1 12 n. 11
WJZ (454.3m-660kc), "Your Daily Menu," Mrs. J. Heath.

3:15 2:15 1:15 12:15 11:15
KOIL (305.9m-980kc), Shopper's aid.

4 3 2 1 12 n.
WHB (365.6m-820kc), Ladies' hour.

4:05 3:05 2:05 1:05 12:05
WCCO (416.4m-720kc), Woman's hour.

3:15 2:15 1:15 12:15 11:15
WJZ (454.3m-660kc), "They Are Wearing."

3:30 2:30 1:30 12:30 11:30
KFNF (461.3m-650kc), Half hour on cooking.

4:15 3:15 2:15 1:15 12:15
WJZ (454:3m-660kc), "Solving Candy Problems."

4:45 3:45 2:45 1:45 12:45
KFNF (461.3m-650kc), Ladies' hour.

5 4 3 2 1
KYW (535.4m-560kc), Woman's hour.
WOC (483.6m-620kc), Home Management, Aunt Jane.

5:15 4:15 3:15 2:15 1:15
WMAQ (447.5m-670kc).

6:30 5:30 4:30 3:30 2:30
KOA (322.4m-930kc), Housewives matinee.

7 6 5 4 3
KOA (322.4m-930kc), Culinary hints. Fashion review.

Saturday

Atlantic Eastern Central Mountain Pacific

10:30 p.m. 9:30 8:30 7:30 6:30
WWJ (352.7m-850kc), Tonight's dinner.

12 n. 11 10 9 8
WHT (399.8m-750kc), Women's club, Jean Sargent.
WQJ (447.5m-670kc), Home Economics program.

12:30 p.m. 11:30. 10:30 9:30 8:30
WEBH (370.2m-810kc), Household talks.
WGN (302.8m-990kc), Home Management period.

12:35 11:35 10:35 9:35 8:35
KYW (535.4m-560kc), Table talk.

VISIT ATLANTIC CITY BOARD WALK

HIGH LIGHTS OF THE AIR

THAT delightful pair of songbirds, Beulah Lockwood Durfee and J. Otto Jellison of WCCO, are announced for a song cycle, Tuesday, August 17. This soprano and tenor combination come on the air like a high moment from the opera.

Steinmetz, the little giant whose brain unravelled many of the mysteries of modern electricity, is the subject of an interesting series of talks on the Tuesday 6:30 programs at WGY. The story as authoritatively told by John W. Hammond is more than the study of a man, it is a story of American opportunity and achievement.

Providence, R. I., is announced as the sojourn for a day of the Travelers Jongleurs, Wednesday, August 18. The "Unknown Troubadour" of this troupe made his reputation as a star in a barn-storming opera company, singing as a boy soprano and fooling the stage door Johnnies.

Temple Bells and the etherial presence of Oriental song and mysticism will afford an entertaining feature from CNRM, Thursday, August 19, by the Himalayan string quartet.

If you have never visited the famous "Boardwalk of Atlantic City," you may close your eyes Thursday, August 19, and dial for KDKA. Richard Kountz and the Symphony players will bring to your imagination the sound picture of this well known place. Amid the swell of the waves you will hear the music of the orchestras.

The Gondoliers, those popular musicians of WOS, return to this station Wednesday, August 25, bringing their marimbas with them. They have planned a gay program and anyone enjoying this unusual instrumental music should tune in.

Mr. and Mrs. W. J. Whiteman, Paul Whiteman's parents, and Ferne Whiteman Smith, his sister, will appear at KOA, Wednesday, August 25, when the Ohio society of Denver entertains. Nor will Mr. Whiteman's family appear in jazz selections. They will give a variety of semi-classical music.

Although WCAP, Washington, D. C., will cease to go out over the air all the programs originaly given over this station will continue to be broadcast over WRC.

Sunday, August 15

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
7:20	6:20	5:20	4:20	3:20

WEAF (491.5m-610kc), WEEI (348.6m-560kc), WRC (468.5m-640kc) WWJ (352.7m-850kc), KSD (545.1m-550kc), WCAE (461.3m-650kc), Capitol family.

9	8	7	6	5

WCX (516.9m-580kc), Detroit symphony orchestra.

9:15	8:15	7:15	6:15	5:15

WIP (508.2m-590kc), Paul Althouse, tenor.

11:15	10:15	9:15	8:15	7:15

KOA (322.4m-930kc), Open-air concert.

Sunday, silent night for: CKAC, CKNC, CNRA, CNRC, CNRE, CNRM, CNRO, CNRR, CNRT, CNRV, CNRW, KFAB, KFKX, KFOA, KFXF, KMA, KWWG, WAHG, WDAF, WEBJ, WFI, WGBF, WGHB, WGHP, WHAS, WJJD, WJR, WLIT, WLWL, WMAQ, WMC, WNYC, WOAW, WOI, WOOD, WRC, WREO, WRVA, WSB, WSM, WTAM, WTIC.

Atlantic or Eastern Daylight Saving Time Stations

CFCA, Toronto, Can. (356.9m-840kc), 11 a. m., St. Paul's Anglican church; 7 p. m., Timothy Eaton Memorial church; 9:30, CFCA's concert orchestra.

WCAU, Philadelphia, Pa., (277.6m-1080kc), 6:30 p. m., Hotel Pennsylvania orchestra; 7:30, Cathay tea garden orchestra.

WEAF, New York. (491.5m-610kc), 3 p. m., Greater New York Federation of Churches; 4, sacred music; 4:30, Federation mixed quartet; 5:30, Edward Steels, pianist; 6, Frances Sebel, soprano; 7:30, Capitol family, WEEI, WCAE, KSD, WWJ, WTAR, WCAE; 9:15, Atwater Kent, WEEI, WGR, WCAE, WWJ, WSAI, WGN, WCCO, KSD; 9:45-10:15, Goldman band concert, WEEI, WJAR, WTAG, WCSH, WSAI.

WFI, Philadelphia, Pa. (394.5m-760kc), 7:30 p. m., services, Arch st. Presbyterian church, Rev. Clarence E. MacCartney.

WIP, Philadelphia, Pa. (508.2m-590kc), 4:15 p. m., community vocal and instrumental trio; 7:15, services, Holiy Trinity church; 9:15, concert, Marine studio; 10:30, organ recital from Atlantic City High School.

WJZ, New York, N. Y. (454.3.m-660kc), 6 p. m., Isadore Greenberg, violinist; 7:05 p. m., Park Avenue Baptist Church Carillon, WGY; 7:25, Hotel Pennsylvania concert orchestra, WGY; 8, Betty Poulus, contralto, WGY; Ed. Morris, accompanist; 8:15, Hotel Ambassador trio, WGY; 9, Minerva Made quartet, WGY; 9:30, Godfrey Ludlow, violinist, Lolita Cabrera Gainsborg, pianist, WGY.

WMAK, Buffalo, N. Y. (265.3m-1130kc), 7 p. m., Churchill tabernacle.

WMCA, New York, N. Y., (340.7m-880kc), 7 p. m., Ernie Golden and his Hotel McAlpin orchestra; 7:30, Monte Carlo By-The-Sea orchestra.

Eastern Standard or Central Daylight Saving Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 7 p. m., municipal concert.

KYW, Chicago, Ill. (535.4m-560kc), 10 a. m., Second Presbyterian church; 3:30 p. m., studio concert; 8-10, classical concert.

WBAL, Baltimore, Md. (245.8m-1220kc), 7:30-8:30 p. m., WBAL concert orchestra.

WBBM, Chicago, Ill. (225.4m-1330kc), 12:30-2 p. m., Sacred classical concert, Eddie Hanson at the Barton organ, staff artists; 4-6, Musical matinee, Lee Sims; Charlie Lerzen, tenor; 8-10, Melody hour, staff artists; 12, The Nutty club.

WBZ, Springfield, Mass. (333.1m-900kc), 7 p. m., Copley Plaza concert; 8, Golden Rule hour; 9, Knight of Pythias.

WCBD, Zion, Ill. (344.6m-870kc), 9 p. m., male chorus, vocal trio; duets, Ralph Bull, E. B. Paxton; Carey Sisters; Edith Carey, contralto; L. J. Hire, viola soloist; Gerald Mason, cornetist; Mrs. Blanche Reiter, reader; John Mehaffey, pianist.

WCX, Detroit, Mich. (516.9m-580kc), 2:30 p. m., Fisherman's band; 7, Detroit symphony orchestra.

WGHP, Detroit, Mich. (270m-1110kc), 11 a. m., Grace Presbyterian church.

WGN, Chicago, Ill. (302.8m-990kc), 6:15 p. m., Uncle Walt; 6:45, musicale; 7-7:30, Million sing; 7:30-7:30, Old Fashioned Almanack; 7:30-8, musicale; 8-8:15, Drake concert ensemble, Black-stone string quintet; 8:15, Aanaster Kent musicale; 8:45, musicale; 9-10, Our Music Room; 10, feature program; 10:10, WGN studio ensemble.

WGY, Schnectady, N. Y. (379.5m-790kc), 9:45 a. m., First Church of Christ, Scientist; 6:05 p. m., Park Avenue Baptist church carillon; 6:20, Hotel Pennsylvania orchestra, WJZ; 7, WJZ; 7:30, WJZ; 8:30, WJZ.

WHT, Chicago, Ill. (399.8m-750kc), 3 p. m., Paul Rader.

WJR, Pontiac, Mich. (516.9m-580kc), 10 a. m., First Baptist church; 2, Detroit sympony orchestra; 10, song service.

WKRC, Cincinnati, Ohio. (422.3m-710kc), 10 p. m., classical program; 11:15, Swiss Garden frolic; 12, Marie Turner, blues and ballads; 12:15, Ace Brigade's Fourteen Virginians.

WLIB, Chicago, Ill. (302.8m-990kc), 5 p. m., Liberty studio ensemble; 5:45, Edward Benedict.

WLW, Cincinnati, Ohio. (422.3m-710kc), 9:30 a. m., Sunday school, 11, church service; 3 p. m., municipal band, Eden park; 7:30, Grace Chapman, organist; 8:30, Crosley Salon orchestra; Nadyne Roberts Waters, soprano.

WQJ, Chicago, Ill. (447.5m-670kc), 3-4 p. m., Sylvian Four; Jacob Hanneman, pianist; 8-10, Rainbow Gardens orchestra; Clara Gorski Geis, soprano; J. Edwin Peterson, bass; Eliott Oakes, violinist; Dorothy Cutler, pianist; Lauralice duo; Dr. Carl Bertschinger, pianist.

WSAI, Cincinnati, Ohio. (325.9m-920kc), 7:45 p. m., chimes; 8:15, WEAF; 8:45, WEAF.

WTAM, Cleveland, Ohio. (389.4m-770kc), 6 p. m., Hollenden Hotel orchestra; 7, Park Theater orchestra; 8, Twilight musicale.

WWJ, Detroit, Mich. (352.7m-850kc), 11 a. m., First Presbyterian church; 2 p. m., Detroit News orchestra; 6:20, WEAF; 8:15, WEAF.

Central Standard Time Stations

CKY, Winnepeg, Can. (384.4m-780kc), 7 p. m., St. Andrews United.

KFAB, Lincoln, Nebr. (340.7m-880kc), 9-10 p. m., Sunday evening musicale.

KFNF, Shenandoah, Ia. (461.3m-650kc), 10:45 a. m., First M. E. church; 2:30 p m, Seed House song service; 3, Men's Gospel Team service; 6:30, Golden Rule circle; 8, Christian church service.

KMA, Shenandoah, Ia. (461.3m-650kc), 4-5 p. m., Lutheran church choir; 5, talk, Rev. L. A. Lippitt.

KMMJ, Clay Center, Nebr. (228.9m-1310kc), 9:15 p. m., services.

KOIL, Council Bluffs, Iowa. (305.9m-980kc), 11 p. m., program.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 11 a .m., First Presbyterian church; 9-10-10, Meyer Davis ensemble.

WBAP, Fort Worth, Tex. (475.9m-630kc), 11 a. m., First Methodist church; 9:30-11, Sorin-White Top o' Texas orchestra.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 10:50 a. m., Hennepin Avenue M. E. church; 4:10 p. m., House of Hope Presbyterian church; 7:15, WEAF; 9:30, Hugo Philler Goodwin, organist.

WDAF, Kansas City, Mo. (365.6m-820kc), 3-3:30 p. m., classical musical program; 3:30-4, Newman theater stage specialties; 4-4:45, Sabbath vesper.

WFAA, Dallas, Tex. (475.9m-630kc), 6-7 p. m., Radio Bible class; 7:15-8, American Legion program; 8-9, First Methodist Episcopal church; 11-12., Harry F. Hassall and his symphonic orchestra.

WHAD, Milwaukee, Wis. (275.1m-1090kc), 3:15 p. m., Milwaukee Park Board band concert.

WHAS, Louisville, Ky. (399.8m-750kc), 9:57 a. m., organ; 10, Broadway Christian church.

WHO, Des Moines, Ia. (526m-570kc), 5-6 p. m., Bankers' Life Little Symphony orchestra; 7:30-8:30, Paul Christianson's Hotel Fort Des Moines orchestra.

WMC, Memphis, Tenn. (499.7m-600kc), 11 a. m., Second Presbyterian church.

WOAW, Omaha, Nebr. (526m-570kc), 2:30 p. m., classical period; 9, chapel service.

WOC, Davenport, Ia. (483.6m-620kc), 1-2 p. m., old folks' musicale; Paul J. Vipperman, tenor; 8-8:30, Pliny L. Allen of Lombard college; 9:30-10:30, Palmer Littel symphony.

WSB, Atlanta, Ga. (428.3m-700kc), 7:30 p. m., North Avenue Presbyterian church.

WSM, Nashville, Tenn. (282.8m-1060kc), 7:30 p. m., First Presbyterian church.

WSOE, Milwaukee, Wis. (245.8m-1220kc), 10 a. m., church service; 3:30, Bible hour; 8, services.

Mountain Standard Time Stations

KOA, Denver, Colo. (322.4m-930kc), 11 a. m., Montview Presbyterian church; 5:30 p. m., Mrs. Blanche Townsend, organist; 8, open-air concert, Denver municipal band.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Jim, Jack and Jean trio; 8-9, Aeolian organ; 9-10, Bob Bottger's Venetians; 10-11, Packard Six orchestra.

KFWB, Hollywood, Calif. (252m-1190kc), 9-11 p. m., Warner Brothers' Sunday night movie frolic, featuring Bill Hatch and his orchestra.

KGO, Oakland, Cal. (361.2m-830kc), 11 a. m., First Baptist church; 4 p. m., vespers, Grace Cathedral; 6:30-7:30, Bem's Little symphony orchestra; 7:35, First Baptist church; 9-10, Bem's Little symphony.

KHJ, Los Angeles, Calif. (405.2m-740kc), 7-8 p. m., evening service, First M. E. church; 8x10 p. m., Orpheus Four male quartet.

KNX, Hollywood, Calif. (336.9m-890kc), 7-8 p. m., Circle theater organ and orchestra; 8-9, service, First Presbyterian church of Hollywood; 9-10:30, program, Beverly Hills Nurseries.

KPO, San Francisco, Calif. (428.3m-700kc), 5-6 p. m., Marshall W. Giselman, organist; 6-6:30, States Restaurant orchestra; 6:35-8:35, Palace Hotel concert orchestra; 8:35-10, Rudy Seiger's Fairmont hotel orchestra.

Monday, August 16

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
9	8	7	6	5

WEEI (348.6m-860kc), Tales of the Sea.

10	9	8	7	6

WEAF (491.5m-610kc), WJAR (305.9m-980kc), WCCO (416.4m-720kc), WCAE (461.3m-650kc), WCSH (256.3m-1170kc), KSD (545.1m-550kc), WDAF (365.6m-820kc), WOO (508.2m-590kc), WTIC (475.9m-630kc), WRC (468.5m-640kc), WSAI (325.9m-920kc), "Martha."

WOS (440.9m-680kc), Fiddling champion.

10:30	9:30	8:30	7:30	6:30

KFAB (340.7m-880kc), Old-time tune night.

11	10	9	8	7

WCCO (416.4m-720kc), Scandinavian ensemble.
WSAI (325.9m-920kc), Harmony Four.

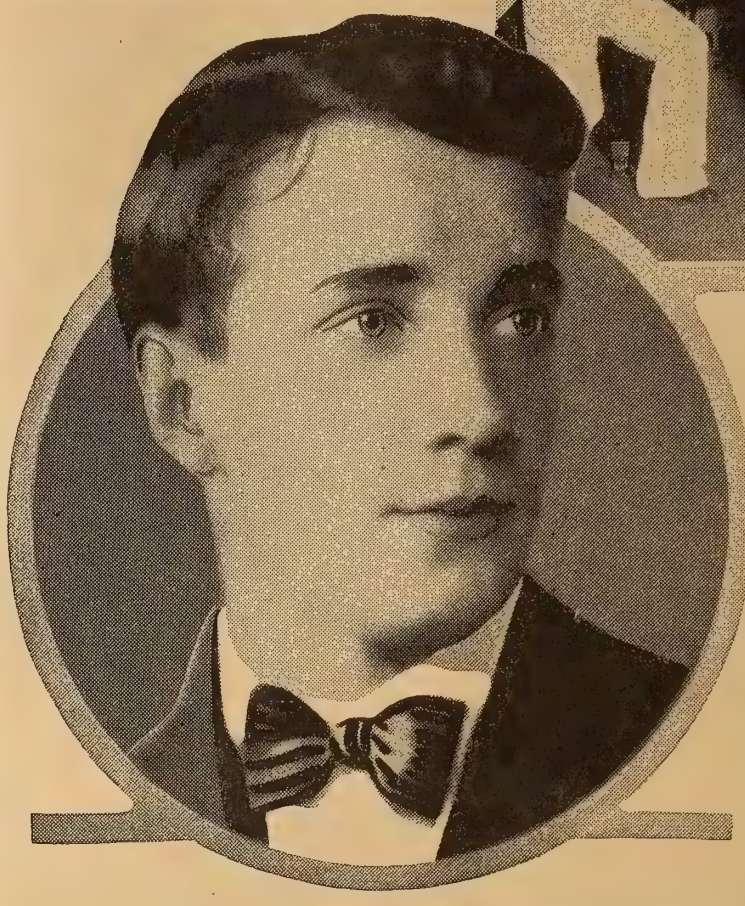
11:30	10:30	9:30	8:30	7:30

WBAP (475.9m-630kc), Grapevine Fiddle band.

2	1	12	11	10

WAMD (244m-1230kc), Our hour, Mac, Sac.

Monday, silent night for: CKAC, CNRA, CNRC, CNRE, CNRM, CNRO, CNRR, CNRT, CNRV, CNRW, KHJ, KLDS, KPSN, KWSC, KYW, WBBM, WCBD, WEBH, WEBJ, WENR, WGBF, WGBS, WGES, WGN, WGY, WHAS, WHT, WIBO, WIP, WJAZ, WJJD, WLIB, WLS, WMAQ, WMBB, WOC, WOK, WORD, WQJ, WRC, WSAI.



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Atlantic or Eastern Daylight Saving Time Stations

CKNC, Toronto, Can. (356.9m-840kc), 9 p. m., Eveready Salon orchestra; Mrs. Harry Hodgetts, soprano; E. Clare Forster, bass.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30 p. m., recital, N. Shellenburg and company; 8, Carolyn Thomas, soprano; 8:30, The Two Rascals; 8:45, The Merry Minstrels; 9:30, Italian comedians, Tony and Joe; 9:45, Chalfont sisters, songs; 10, Raymond Vetter, violinist; 10:40, recital.

WEAF, New York, N. Y. (491.5m-610kc), 6 p. m., dinner music; 7, Myrtle Stitt Mason, contralto; 7:15, Florence Wilkanouski, pianist; 7:30, Claude Reese, tenor; 8, Meyer Davis and his orchestra; 8:30, Goldman band concert, WWJ, WTIC; 10, grand opera, "Martha," WJAR, WCCO, WCAE, WCSH, KSD, WDAF, WOO, WTIC, WCAP, WSAI; 11-12, Jack Albin and his orchestra.

WEEI, Boston, Mass. (348.6m-860kc), 8 p. m., Earl Nelson and his uke; 8:15, Varsity tire entertainers; 9, Steamship Dorothy Bradford orchestra; 9:30, Nautical dance orchestra.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:45 p. m., Adelphia Roof Garden orchestra.

WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Hotel Madison dinner orchestra; 7:55, John B. Kennedy; 8:10, Troubador Tavern orchestra; 9, Maxwell House Coffee ensemble; 10:30, Harold Leonard's Waldorf-Astoria roof orchestra.

WLIT, Philadelphia, Pa. (394.5m-760kc), 8 p. m., Short Agro Waves, Chas. E. Shoffner; 8:15, Arcadia Cafe concert orchestra; 9, Stanley theater hour of music; 10, Arcadia Cafe dance orchestra; 10:30, Fay's Vaudeville features; 10:45, El Patio orchestra.

WMAK, Buffalo, N. Y. (265.3m-1130kc), 6:15-7:15, Philco Battery serenaders; 7:30-8:15, Buffalo Athletic club; 8:15-9, agriculture program.

WMCA, New York, N. Y. (340.7m-880kc), 6:30 p. m., Ernie Golden and his Hotel McAlpin orchestra; 7:30, Monte Carlo-by-the-Sea; 9:15, Hardman Hour of Music; 10:30, Hotel Shelburne orchestra; 11, Jack Denny's orchestra; 11:30, Club Brighton orchestra; 12m, McAlpin entertainers.

WOR, Newark, N. J. (405.2m-740kc), 6:15 p. m., Jacques Jacobs' Hotel Shelton ensemble; 7, Jacques Jacobs Hotel Shelton ensemble; 7:30, Brooklyn Daily Eagle program; 8, Newark Philharmonic band; 9, Klein's Serenading Shoemakers; 10, Monterey Society orchestra; 10:30, Monterey concert quintet; 11:15, Ben Bernie's Berkeley-Carteret orchestra.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Hotel Sylvania orchestra; 8, organ recital; 8:30, Sesquicentennial program; 10:30, Sam Brown's orchestra.

Eastern Standard or Central Daylight Saving Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 5:30 p. m., Etzi Covato and his orchestra; 8, Marie Vierheller, pianist; Blanchard Wiester, tenor; 8:30, concert, Willows, Oakmont.

WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., WBAL dinner orchestra; 7:30-8, WBAL male quartet; 8-9, WBAL trio; 9-10, dance orchestra.

WBZ, Springfield, Mass. (333.1m-900kc), 6 p. m., Hotel Lenox ensemble; 6:35, Hotel Kimball trio; 8, Capitol theater orchestra; 8:30, Rene Dagenais, organist; 9, Priscilla Beach half hour; 9:30, Edson A. Parks and his orchestra.

WCX, Detroit, Mich. (516.9m-580kc), 6 p. m., Goldkette ensemble; 8-10, Detroit symphony orchestra.

WGHB, Clearwater, Fla. (265.3m-1130kc), 8:30-10 p. m., Caroline Lee; Max Hartlett, pianist.

WGHP, Detroit, Mich. (270m-1110kc), 6 p. m., dinner concert from Hotel Tuller; 8:30-9, studio program; 9-10, WGHP ensemble and soloists.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Jean Goldkette's Petite symphony orchestra; 7:15, Caspar Lingeman entertainers; 7:45, Good Will Oakland, Chief Pontiac; 8, Detroit symphony orchestra.

WKRC, Cincinnati, Ohio (422.3m-710kc), 6:15 p. m., Alvin Roehr and his Hotel Alms orchestra; 8, Eugene Schmitt, baritone; 8:15, dance program; 8:45, Eugene Perazzo, pianist; 9, American Legion; 12, popular program.

WLS, Chicago, Ill. (344.6m-870kc), 6:30 p. m., Al Melgard, organ; 6:45-7, College Inn orchestra.

WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., Hotel Gibson Oriental room orchestra; 8, Charleston session, Pat Patrick's orchestra; 9, Calumet Baking Powder company and Rainbo Gardens hour.

WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9 p. m., Hazel Emmons, soprano; Luella Craig Tynesdale, contralto; Thurlow Le Vieger, pianist; 10:05, Van Wyck's instrumental quartet.

WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., dinner hour of music; Gold Standard ensemble, Speed-Wagon serenaders.

WRVA, Richmond, Va. (256.3m-1170kc), 8:45 p. m., chimes; 9:10, Bright Keck, Pat Binford; 9:30, Eugene Turner, tenor; 10:30, Hotel Richmond summer garden orchestra.

WSAI, Cincinnati, Ohio (325.9m-920kc), 9 p. m., WEAF; 10, Harmony Four; Ferd Raine, tenor.

WTAM, Cleveland, Ohio (389.4m-770kc), 6 p. m., Hollenden Hotel orchestra; 7, Allen theater orchestra; 8, studio program; 11, Emerson Gill and his Bamboo Garden orchestra.

WTIC, Hartford, Conn. (475.9m-630kc), 7:30 p. m., Goldman band concert; 9, grand opera hour; 10:05-10:30, Capitol theater organ.

WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7:30, Goldman band concert; 9, Detroit News orchestra.

Central Standard Time Stations

CKY, Winnipeg, Can. (384.4m-780kc), 11 p. m., Capitol theater revue.

KFAB, Lincoln, Nebr. (340.7m-880kc), 8:30-10:30 p. m., old-time tune night.

KFNF, Shenandoah, Iowa (461.3m-650kc), 7 p. m., concert; 8, poultry talk.

KMA, Shenandoah, Iowa (461.3m-650kc), 9-11 p. m., Corey and Carl.

KOIL, Council Bluffs, Iowa. (305.9m-980kc), 6 p. m., Evangeline Higgins; 7:30, Lyric serenaders; 9, Radio Jazz orchestra; 10, Barnyard Twins.

KTHS, Hot Springs, Ark. (374.8m-800kc), 9:10-9:40 p. m., Charles Garden, saxophonist; Clyde Foley, tenor; 9:40-10, Lawson Reid, organist; 10-10:30, dance concert, New Arlington hotel orchestra.

WBAP, Fort Worth, Texas (475.9m-630kc), 7:30-8:30 p. m., Allene Patterson Duff, contralto; 9:30-11, Grapevine Fiddle band; 11-12, musicale.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6:15 p. m., St. Paul Hotel concert orchestra; Eleanor Poehler, soprano; 7:30, Radio Scouts' hour; 8, WEAF; 9, Scandinavian ensemble; Edith McDonald Carpenter, soprano.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., Nelle Snead; address, Samuel Carver; Harry Frank, organist; 8-9, WEAF; 11:45-1, Charlie Straight's Brunswick recording orchestra; Ted Meyn, organist; Earl Coleman's orchestra.

WFAA, Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m., Ozarks orchestra; 8:30-9:30, Sears-Roebuck Agricultural Foundation program.

WHAD, Milwaukee, Wis. (275.1m-1090kc), 6:10 p. m., Wisconsin theater organ recital; 8:30, popular program; orchestral selections; Waldeman Schueler, pianist; Cliff Borchardt, baritone; novelty program, Vent Callahan, harmonicist, saw artist.

WHO, Des Moines, Iowa (526m-570kc), 7:30-8 p. m., Philbreck and his Younker Tea-Room orchestra; 8-9, Bankers Life trio.

WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Pappalardo Brothers' orchestra.

WOAI, San Antonio, Texas (394.5m-760kc), 8:30 p. m., Sunshine Laundry orchestra.

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Atlantic or Eastern Daylight Saving Time Stations

CNRA, Moncton, Can. (322.4m-930kc), 9 p. m., barn-raising frolic, band, two town cut-ups; 11, CNRA, dance orchestra.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30 p. m., recital, N. Snellenburg and company; 8, Roy Tracy, tenor; 8:10, The Three Brothers; 8:25, Peter Ricci, baritone; 8:45, Charles Higgins, popular songs; 9, Kuehnle's Artists; 9:30, recital; 9:45, Eddie Malle's entertainers; 10, Billy Hay's Cathay dance orchestra.

WEAF, New York, N. Y. (491.5m-610kc), 6 p. m., dinner music; 7, Walter H. Preston, baritone; 7:10, Columbia University French lecture, Dr. Thatcher Clark; 7:30, William Wilson and his orchestra; 8, Salon concert, WEEI, WFI, WCAE, WWJ, WGR, WTAM; 8:30, Gold Dust Twins, WEEI, WFI, WCAE, WGR, WWJ, WOC, WCCO, WCSH, WJAR, WLIB, WTAM, KSD; 9, Eveready hour, WEEI, WFI, WCAE, WGR, WWJ, WOC, WCCO, WJAR, WTAG, WGN, WTAM, WSAI, KSD; 10, Bob Davis recalls, WEEI, WGR, WTAG, WCAE, WFI, WWJ, KSD, WCSH, WTAM; 10:15, Moment musicale, WEEI, WGR, WTAG, WCAE, WFI, WWJ, KSD, WCSH, WTAM; 10:30, Rolfe's Palais D'Or orchestra, WEEI, WFI, WWJ, WCAE, WGR, WTAM, KSD, WCSH; 11:30-12, Greenwich Village Inn orchestra.

WEBJ, New York, N. Y. (272.6m-1100kc), 7 p. m., Original Melville Five; 7:30, Knickerbocker Grill orchestra; 8:15, Edna Josephs, pianist, Thomas Prytherch, tenor; 8:30, Luna's Marine band.

WEEI, Boston, Mass. (348.6m-860kc), 6:21 p. m., George Joy and Nell Cantor in popular songs; 8, Salon concert, New York; 8:30, WEAF.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:45 p. m., Adelphia Roof Garden orchestra; 8, WEAF; 10:30, Palais D'Or orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 8, Steeplechase Pier dance orchestra; 8:30, Steel Pier minstrels; 9, Chalfont-Haddon Hall dual trio; 10, Emo's movie talk; 10:20, Cummins' Kentuckians dance orchestra; 11, Silver Slipper club revue; 11:30, Seattle Harmony Kings.

WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Frank Dole; 7:20, Waldorf-Astoria roof orchestra; 8, Florence Stern, violinist; 9, Pennsylvania Railroad hour, WRC, WGY; 10, Cook's Southern Hemisphere Cruise, WRC, WGY; 10:30, Milton J. Cross, tenor; Kerth McLoed, pianist; 10:45, George Olsen's Hotel Pennsylvania roof orchestra.

WMCA, New York, N. Y. (340.7m-880kc), 6:45 p. m., Jack Windrow, ukulele and songs; 7, Monte Carlo by-the-Sea orchestra; 9, Paul Whiteman's Picadilly players; 9:30, Columbia Park entertainers; 10:30, Hotel Shelburne orchestra; 11, Ernie Golden and his Hotel McAlpin orchestra; 12 m., McAlpin orchestra.

WOR, Newark, N. J. (405.2m-740kc), 6:45 p. m., Hotel Bretton Mall string quartet; 7:30, Premier club orchestra; 8:15, Vanderbilt Hotel orchestra; 9, Donald H. Baker, organ recital; 9:45, Jimmy Caruso's frolic; 10:15, Ritz-Carlton dance orchestra.

Eastern Standard or Central Daylight Saving Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 8 p. m., sacred song concert, Jean McCrory Newman, contralto; Vincent Kroon, tenor; 10:35, concert, Grand theater.

KYW, Chicago, Ill. (535.4m-560kc), 5:30 p. m., dinner concert, Congress hotel; 6, music hour; 7, American Farm Bureau federation; 8-9:30, classical concert; 9:30-11, Congress Carnival, Art Linick, Eddie and Fannie Cavanaugh.

WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., dinner orchestra; 7:30-8, Mandolin orchestra; 8-9, George Bolek, pianist; Katharine Whitelock, violinist; 9-10, City Park orchestra of Baltimore.

WBBM, Chicago, Ill. (225.4m-1330kc), 5:15-6 p. m., recital, Eddie Hanson at the Barton organ; 8-9:30, Melody hour, staff artists; 9:30-10, Moss covered melodies; 10-11:30, Variety hour, Lee Sims, Smith and Ford and staff artists; 11:30-12, Supper club, Howard Osburn's Vanity Fair cafe orchestra.

WBZ, Springfield, Mass. (333.1m-900kc), 6 p. m., Hotel Kimball trio; 6:33, Copley Plaza orchestra; 8, Russian Balalaika orchestra; 8:30, Copley dance orchestra; 9, Helen Virginia Cain, contralto; 9:30, MacBurquacks.

WCX, Detroit, Mich. (516.9m-580kc), 6 p. m. Goldkette ensemble; 8-10, Detroit symphony orchestra; 10, Red Apple club.

WGHP, Detroit, Mich. (270m-1110kc), 6 p. m., dinner concert from Hotel Tuller; 8:30-9:30, Dodge Brothers concert band; 9:30-10, studio program.

WGN, Chicago, Ill. (302.8m-990kc), 6:15 p. m., Uncle Walt's Punch and Judy; 6:45-7, Drake concert ensemble, Blackstone string quintet; 8-9, Eveready hour; 9-10, Great Moments from Grand Opera; 10-10:10, Sam 'n' Henry; 10:10-11, musicale.

WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., "The Wonder Story of Steinmetz"; 6:45, WJZ; 7:30, WJZ; 8, WJZ; 9-9:30, "Australia."

WHT, Chicago, Ill. (399.8m-750kc), 7-8:30 p. m., Al Carney, organist; Riverview Melody Masters; 8:45-10:15 (238m-1260kc), organ opening; Riverview orchestra; 10:30-1 (399.8m-750kc), Al Carney, organist; Bel Canto male quartet; Ann Slack, cellist; Riverview orchestra; your hour league.

WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., dinner concert; 12, midnight jamboree.

WJAZ, Chicago, Ill. (329.5m-910kc), 9-12 mid., Club Chez Pierre, Earl Hoffman's Chez Pierre orchestra; The Quips That Pass in the Night; Helen Jackson, pianist; Frank Mason, violinist; Joan Miller, contralto.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Glover Watson old-time dance orchestra; 8, Detroit symphony orchestra.

WKRC, Cincinnati, Ohio (422.3m-710kc), 10 p. m., Eugene Perazzo, organist; 11, Al Kirschner, pianist; 11:15, Chubby Bieber, Patty-Cake Man; 11:30, dance program.

WLIB, Chicago, Ill. (302.8m-990kc), 7 p. m., Million sing; Old Fashioned Almanack; 7:15, dinner music; 7:30, Gold Dust Twins; 11, Correll and Gosden; 11:20, Ambrose Larsen, organist; Drake hotel dance orchestra; Liberty studio ensemble.

WLS, Chicago, Ill. (344.6m-870kc), 6:45 p. m., Maurie Sherman's College Inn orchestra; 7:20, Prof. E. Frazier, reader; 7:30, Ralph Emerson, organist; 8:10, College Inn orchestra; 8:20, Howard Melaney, tenor; 8:30, popular music.

WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., Johanna Grosse, organist; 7:30, Castle Farm dinner music; 8:15, Crosley Burnt Corkers; 9, Formica symphony orchestra.

WMAQ, Chicago, Ill. (447.5m-670kc), 6:30 p. m., orchestra; 6:45, swimming lesson; 8, book review, Keith Preston; 8:20, Architect's Small House service bureau; 8:40, Whitney trio; 9, Mae Dowling Schmidt, pianist; 9:30, Jack Chapman's orchestra; 9:45, Burpan Homes.

WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9 p. m., Ye Olde Tyme Songe Feste, Roy Clark, Sally Simpkins, Jim Forshey, Claude Lee, Beth Garrison, Van Wyck's instrumental quartet; 9:45, Melissa Dvorak, pianist; 10:05, studio program.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., dinner concert; 10-2 a. m., violin quartet; T. N. Coffee, tenor; Frank Blasco, boy tenor; Muriel Olsen, blues singer; Ray Hibbeler, tenor; Romo Vincent, boy baritone; Sophia Kasmir.

WREO, Lansing, Mich. (225.5m-1050kc), 6-7 p. m., dinner hour of music; Speed-Wagon serenaders; Gold Standard ensemble; 8:15-9:45, band concert natural amphitheater.

WSAI, Cincinnati, Ohio (325.9m-920kc), 7 p. m., WJZ; 7:30, Charles H. Partington, accordionist; Ray Lombardi, baritone; 8, Eveready hour; 9, Maids of Melody; Lola Bruce, pianist.

WSWS, Chicago, Ill. (275.m-1090kc), 8-9 p. m., Truman Agland, pianist; Delores Diazavado, Spanish songs; Georgis Gray, Terrace Garden orchestra, Henri Therrien, Walter Dyckman, Jean St. Anne, baritone; Illona Kinez, songs; 10-11, Hugh Aspinwall, Georgis Gray, Mathews sisters, harmony; Zola Haynes, pianist; Terrace Garden orchestra; 12-1, Witching hour.

WTAM, Cleveland, Ohio (389.4m-770kc), 6 p. m., State theater vaudeville and music; 7, Salon concert from WEAF; 7:30, Gold Dust Twins from WEAF; 8, Eveready entertainers from WEAF; 9, Moment musicale from WEAF; 9:30, dance orchestra from WEAF; 10, studio program; 11, Frank R. Wilson's Euclid Beach park orchestra.

WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7, WEAF.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 8:05-10:30 p. m., University of Nebraska.

KFNF, Shenandoah, Iowa (461.3m-650kc), 7 p. m., mixed program, Helen Turnbull.

KMA, Shenandoah, Iowa (461.3m-650kc), 9-11 p. m., May's Mandolin musicians.

KOIL, Council Bluffs, Iowa. (305.9m-980kc), 6 p. m., progrm, Warner Brothers Pictures; 7, Izaak Walton league; 7:30, studio program; 11, Tillie's Bon-Ton serenaders.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10-9:45 p. m., New Arlington hotel orchestra; 9:45-10, comedy songs and dialect stories, Como Al Reynolds.

WBAP, Fort Worth, Texas (475.9m-630kc), 7:30-8:30 p. m., Clyde Massengale, baritone; Florence Massengale, pianist; 9:30-11, Wagoner Hawaiian trio.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6:30 p. m., WEAF; 8, Ruth Lewis ensemble; Tenie Murphy O'Shea, soprano; 9, "Sayonara," song cycle, Beulah Lockwood Durfee, soprano; J. Otto Jellison, tenor.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., address, Mrs. Henry Cohen; 11:45-1, Charlie Straight's Brunswick recording orchestra; Earl Coleman's orchestra; Harry Frank, organist.

WFAA, Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m., Honey Boys orchestra; 8:30-9:30, Fred J. Wilcox, pianist; Mrs. H. Stanley Staveley, singer; 11-12, Jimmy Joy's orchestra.

WGBF, Evansville, Ind. (236m-1270kc), 7 p. m., Journal musical program; 8, musical novelties.

WHAD, Milwaukee, Wis. (275.1m-1090kc), 6:10 p. m., dinner hour program, orchestral selections; 8:30, Wisconsin theater review.

WHAS, Louisville, Ky. (399.8m-750kc), 7:30-8:30 p. m., Music Box extension studio; 8:30-9, Louis Wegert, zither soloist.

WHO, Des Moines, Iowa (526m-570kc), 7:30-9 p. m., Fourteenth Cavalry band.

WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., musical program; 11, Britling's Cafeteria orchestra.

WOAI, San Antonio, Texas (394.5m-760kc), 8:30 p. m., Gebhardt Mexican players.

WOAW, Omaha, Nebr. (526m-570kc), 6:50 p. m., orchestra; 9, program, George H. Lee company; 10:15, WOAW Radio Movie club.

WOC, Davenport, Iowa (483.6m-620kc), 6:30-7 p. m., WEAF; 7-8, WEAF; 8-9, Fourth band concert; 9-9:30, Tom Thumb and the Merry Old Chef.

WSM, Nashville, Tenn. (282.8m-1060kc), 8 p. m., studio program.

WSOE, Milwaukee, Wis. (245.8m-1220kc), 8 p. m., Building and Loan ideas; 9, Knights of Pythias concert.

Mountain Standard Time Stations

CNRC, Calgary, Can. (435.8m-688kc), 9:30 p. m., CNR Little Symphony orchestra.

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra; 7:30, self-expression for children; 8, Scheuerman's Colorado orchestra; 8:15, musical offerings, Rocky Mountain News, Denver Times.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Owen Fallon's Californians; 8-9, classic hour; 9-10, program, Walter M. Murphy Motors company, KPO; 10-11, program, Meiklejohn brothers.

KFWB, Hollywood, Calif. (252m-1190kc), 7-8 p. m., program, Dr. Ralph Mitchell and Associated Dentists; 8-9 p. m., program, The Sealy company; 9-10 p. m., program, American Dye Works; 10-11 p. m., Warner brothers' frolic.

KGO, Oakland, Calif. (361.2m-830kc), 8 p. m., educational program.

KNX, Hollywood, Calif. (336.9m-890kc), 7-7:30 p. m., program, Pacific Palisades ass'n; 7:30-8, program by Overell's; 8-9, L. W. Stockwell company program; 9-10, Julian Pete program; 10-11, Alexandria hotel dance orchestra; 11-12, Ambassador hotel dance orchestra.

KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7 p. m., States Restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel orchestra; 8-9, Uda Waldrop, organist; 9-10, Walter M. Murphy Motors company; 10-11, Mandarin Cafe orchestra.

Tuesday, August 17

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
9	8	7	6	5

CNRA (322.4m-930kc), Barn-raising frolic.

9:20	8:20	7:20	6:20	5:20

WMAQ (477.5m-670kc), Architects' Small House service bureau.

10	9	8	7	6

WBAL (245.8m-1220kc), City Park orchestra.

11	10	9	8	7

WCCO (416.4m-720kc), "Sayonara," song cycle.
WQJ (447.5m-670kc), First National violin quartet.

11:15	10:15	9:15	8:15	7:15

WKRC (422.3m-710kc), Patty-Cake Man.

11:45	10:45	9:45	8:45	7:45

KTHS (374m-800kc), Dialect stories.

12	11	10	9	8

KGO (361.2m-830kc), Orpheus orchestra.

Tuesday, silent night for: CFCA, CKNC, CNRC, CNRE, CNRM, CNRO, CNRT, CNRW, KFH, KFKX, KFUO, KOA, KOB, KTAB, KWWG, WAHG, WAMD, WBBR, WCAP, WGCP, WOR, WOS, WRVA, WSMB, WSUI, WTAM, WTIC.

FARMERS' PROGRAM INDEX

Farmer Dinner Concerts

Daily Except Sunday

CENTRAL TIME
KFNF, 12:15-1:35 p. m.
KMA, 11:30-12:30
KSO, 12:30-1:30 p. m.

Sunday

Atlantic	Eastern	Central	Mountain	Pacific
4:30 p. m.	3:30	2:30	1:30	12:30

WFAA (475.9m-630kc), Sunday hour for farmers.

Monday

Atlantic	Eastern	Central	Mountain	Pacific
12 m.	11	10	9	8

KMMJ (228.9m-1310kc), Poultry talks.

2:30 p. m.	1:30	12:30	11:30	10:30

KMA (461.3m-650kc), Farm talk, Agricultural aid.
WMAQ (447.5m-670kc), Prairie Farmer farm talks.

2:45	1:45	12:45	11:45	10:45

WOI (270.1m-1110kc), Questions and answers on Horticulture.

8:45	7:45	6:45	5:45	4:45

WSM (282.8m-1060kc), Poultry talks.

9	8	7	6	5

WOS (440.9m-680kc), Livestock questions and answers.

9:30	8:30	7:30	6:30	5:30

WMC (499.7m-600kc), Farm talk.

10	9	8	7	6

KFNF (461.3m-650kc), Poultry talk.

10:30	9:30	8:30	7:30	6:30

WFAA (475.9m-630kc), Sears-Roebuck program.

12:05a.m.	11:05	10:05	9:05	8:05

KGO (361.2m-830kc), Agricultural Outlook.

Tuesday

Atlantic	Eastern	Central	Mountain	Pacific
12 m.	11	10	9	8

KMMJ (228.9m-1310kc), Poultry talks.

2:15	1:15	12:15	11:15	10:15

WCCO (416.4m-720kc), Farm program.

2:30	1:30	12:30	11:30	10:30

KMA (461.3m-650kc), Agricultural aid.
WMAQ (447.5m-670kc), Prairie Farmer farm talks.

2:45	1:45	12:45	11:45	10:45

WOI (270m-1110kc), "Animal Husbandry."

7:45	6:45	5:45	4:45	3:45

WGY (379.5m-790kc), Agricultural program.

9:33	8:33	7:33	6:33	5:33

KYW (535.4m-560kc), American Farm Bureau Federation.

10:30	9:30	8:30	7:30	6:30

KOA (322.4m-930kc), Farm question box.

Wednesday

Atlantic	Eastern	Central	Mountain	Pacific
1:45p.m.	12:45	11:45	10:45	9:45

WMAQ (447.5m-670kc), Prairie Farmer farm talks.

2:30	1:30	12:30	11:30	10:30

KMA (461.3m-650kc), Agricultural aid.
WFAA (475.9m-630kc), Sears-Roebuck Agricultural program.

2:45	1:45	12:45	11:45	10:45

WOI (270.1m-1110kc), Poultry husbandry.

9	8	7	6	5

WOS (440.9m-680kc), Evening market hour, poultry questions and answers.

Thursday

Atlantic	Eastern	Central	Mountain	Pacific
2:15p.m.	1:15	12:15	11:15	10:15

WOI (270m-1110kc), Farm crops.

2:30	1:30	12:30	11:30	10:30

KMA (461.3m-650kc), Agricultural aid.
WMAQ (447.5m-670kc), Prairie Farmer farm talks.

9:30	8:30	7:30	6:30	5:30

WOI (270m-1110kc), Talk.

9:33	8:33	7:33	6:33	5:33

KYW (535.4m-560kc), American Farm bureau.

10:30	9:30	8:30	7:30	6:30

KOA (322.4m-930kc), Farm question box.

Friday

Atlantic	Eastern	Central	Mountain	Pacific
2:15p.m.	1:15	12:15	11:15a.m.	10:15

WCCO (416.4m-720kc), Farmers' program.

2:30	1:30	12:30	11:30	10:30

KMA (461.3m-650kc), Agricultural aid.
WMAQ (447.5m-670kc), Prairie Farmer farm talks.

2:45	1:45	12:45	11:45	10:45

WOI (270m-1110kc), Agricultural Economics.

9	8	7	6	5

WOS (440.9m-680kc), Evening Market hour. Dairy questions and answers.

9:30	8:30	7:30	6:30	5:30

WOC (483.6m-620kc), Question box.

Saturday

Atlantic	Eastern	Central	Mountain	Pacific
2 p. m.	1	12 n.	11	10

KPRC (296.9m-1010kc), Farmers' educational and musical program.

2:15	1:15	12:15	11:15	10:15

KSO (241.8m-1240kc), Farm talk.

2:30	1:30	12:30	11:30	10:30

KMA (461.3m-650kc), Agricultural aid.

2:45	1:45	12:45	11:45	10:45

WOI (270m-1110kc), Soils, questions and answers.

9	8	7	6	5

KDKA (309.1m-970kc), Farm program.

WOAW, Omaha, Nebr. (526m-570kc), 6:50 p. m., orchestra; 9, classical.

WOI, Ames, Iowa (270.1m-1110kc), 7:30 p. m., "An English Boy's Experiences in Iowa," Prof. J. C. Cunningham.

WOS, Jefferson City, Mo. (440.9m-680kc), 8 p. m., Daniel Boone Jones, old fiddler champion.

WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., Andrew Jackson hotel trio; 8, Elmer Duke, bass; Marvin Nichols, tenor; Robert Tucker, pianist; 10, Vito and his Radio Seven.

WSOE, Milwaukee, Wis. (245.8m-1220kc), 9 p. m., Foca Di Leo's Accordion symphony orchestra.

Mountain Standard Time Stations

CNRC, Calgary, Can. (435.8m-688kc), 9:30 p. m., CNR Little Symphony orchestra.

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra; 7:30, self-expression for children; 8, Scheuerman's Colorado orchestra; 8:15, musical offerings, Rocky Mountain News, Denver Times.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Owen Fallon's Californians; 8-9, classic hour; 9-10, program, Walter M. Murphy Motors company, KPO; 10-11, program, Meiklejohn brothers.

KFWB, Hollywood, Calif. (252m-1190kc), 7-8 p. m., program, Dr. Ralph Mitchell and Associated Dentists; 8-9 p. m., program, The Sealy company; 9-10 p. m., program, American Dye Works; 10-11 p. m., Warner brothers' frolic.

KGO, Oakland, Calif. (361.2m-830kc), 8 p. m., educational program.

KNX, Hollywood, Calif. (336.9m-890kc), 7-7:30 p. m., program, Pacific Palisades ass'n; 7:30-8, program by Overell's; 8-9, L. W. Stockwell company program; 9-10, Julian Pete program; 10-11, Alexandria hotel dance orchestra; 11-12, Ambassador hotel dance orchestra.

KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7 p. m., States Restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel orchestra; 8-9, Uda Waldrop, organist; 9-10, Walter M. Murphy Motors company; 10-11, Mandarin Cafe orchestra.

Wednesday, August 18

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
8:30	7:30	6:30	5:30	4:30

WJZ (454.3m-660kc), WGY (379.5m-790kc), New York Philharmonic symphony orchestra.

9	8	7	6	5

KDKA (309.1m-970kc), Allegro Mandolin sextet.

9:30	8:30	7:30	6:30	5:30

WLS (344.6m-870kc), U. of Chicago choir.

10	9	8	7	6

WEAF (491.5m-610kc), WRC (468.5m-640kc), WJAR (305.9m-980kc), WEEI (348.6m-560kc), WCAE (461.3m-650kc), WCSH (256.3m-1170kc), KSD (545.1m-550kc), "The Grand Duchess."

WNRC, Regina, Can. (312.3m-960kc), 8 p. m., McQuarrie's concert orchestra; Pragnall trio.

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra.

Pacific Standard Time Stations

CNRV, Vancouver, Can. (291m-1030kc), 9 p. m., Mr. and Mrs. James Peter Fergusson, Ann Lochead, soprano; Walter Wright, bass; one-act play, "The Monkey's Paw"; 10:30, Cabaret Belmont orchestra.

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Virginia ballroom orchestra; Parks sisters in vocal duets; 8-9, screen artists' string quartet; 9-10, studio program; 10-11, Packard Radio club.

KFWB, Hollywood, Calif. (252m-1190kc), 7-8 p. m., program, Morris and company; 8-10 p. m., studio feature program; 10-11, Warner brothers frolic.

KGO, Oakland, Calif. (361.2m-830kc), 6-6:55 p. m., Bem's Little Symphony orchestra; 8-9, Eveready program, California male quartet; 9-10, Pilgrims.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-10, "Crater Lake National Park," R. W. Price; 10-12, Herman Kenin's dance orchestra; Curt Kramer, pianist.

KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., weekly visit, Queen Titania and the Sandman; 8-10, varied musical program; 10-11, L. A. Ry. dance orchestra.

KNX, Hollywood, Calif. (336.9m-890kc), 7-7:45 p. m., program, John A. Vaughn corp.; 7:45, health talk; 8-9, Builder's Finance ass'n program; 9-10, Western Auto Supply company program; 10-11, Edgewater club; 11-1 a. m., Ambassador hotel dance orchestra.

KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7 p. m., States restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel orchestra; 8-9, studio program; 9-10, Gypsy and Marta; 10-11, orchestra.

KPSN, Pasadena, Calif. (315.6m-950kc), 8-9 p. m., Star-News concert hour, Adolf Tandler ensemble, George Frenger, tenor.

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THAT delightfu
birds, Beulah I
and J. Otto Je
are announced for a
day, August 17. T
tenor combination
like a high moment
Steinmetz, the lit
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at WGY. The st
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a story of American
achievement.
Providence, R. I.,
the sojourn for a day
Jongleurs, Wednesc
The "Unknown Tro
troupe made his rep
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singing as a boy soj
the stage door John
Temple Bells and
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will afford an ente
from CNRM, Thursd
the Himalayan strin

Sunday, Au

Headliners

Atlantic	Eastern	Central
7:20	6:20	5:20

WEAF (491.5m-610kc), W
WRC (468.5m-640kc) WWJ
(517.7m-580kc), WCAE (4
family.

9	8	7

WCX (516.9m-580kc), Detroit

9:15	8:15	7:15

WIP (508.2m-590kc), Paul A

11:15	10:15	9:15

KOA (322.4m-930kc), Open-a

Sunday, silent night for: C
CNRC, CNRE, CNRM, CNRO,
CNRW, KFAB, KFKX, K
KWWG, WAHG, WDAF, W
WGHB, WGHP, WHAS, W
WLWL, WMAQ, WMC, W
WOOD, WRC, WREO, WRVA,
WTIC.

Atlantic or Eastern
Time Stat

CFCA, Toronto, Can. (356.9m
Paul's Anglican church; 7
Memorial church; 9:30, CFC
WCAU, Philadelphia, Pa., (277.
Hotel Pennsylvania orchest
garden orchestra.
WEAF, New York. (491.5m-6
New York Federation of Chu
4:30, Federation mixed quarte
pianist; 6, Frances Sebel,
family, WEEI, WCAP, KSD,
9:15, Atwater Kent, WEEI, W
WSAI, WGN, WTCO, KSD; 9:45-10,
band concert, WEEI, WJAR, WTAG, WC
WFI, Philadelphia, Pa. (394.5m-760kc),
services, Arch st. Presbyterian church, Re
E. McCartney.
WIP, Philadelphia, Pa. (508.2m-590kc),
community vocal and instrumental trio;
Rev. Holy Trinity church; 9:15, conce
Choir; 10:30, organ recital from Atlantic
Church.
WJZ, New York, N. Y. (454.3m-660kc)
Isadore Greenberg, violinist; 7:05 p. m.,
the Baptist Church Carillon, WGY; 7
Pennsylvania concert orchestra, WGY;
Poulus, contralto, WGY; Ed. Morris, a
8:15, Hotel Ambassador trio, WGY;
Male quartet, WGY; 9:00, Godfrey Ludlo
Ludwig, Geneva Gaisenberg, pianist, WG
WMAK, Buffalo, N. Y. (265.3m-1130kc)
Classical selections.
WMCA, New York, N. Y., (340.7m-880kc)
Irene Golden, and the Hotel McAlpin orch
Monte Carlo By-The-Sea orchestra.

Eastern Standard or Central
Saving Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc),
musical concert.
KYW, Chicago, Ill. (535.4m-560kc), 10 a.
Presbyterian church; 3:30 p. m., stud
hour, musical concert.
WBAL, Baltimore, Md. (245.8m-1220kc)
p. m., WBAL concert orchestra.
WBBM, Chicago, Ill. (225.4m-1330kc), 12:
Sacred musical concert, Eddie Hanson at
organ, and 3 artists; 3:6, Musical matinee,
Charles Lawson, tenor; 4:30, Melody
moments; 5, The Nutty club.
WBZ, Springfield, Mass. (333.1m-900kc),
Opera Lovers concert; 8, Golden Rule hour
of Psalms.
WCBD, Zion, Ill. (344.6m-870kc), 9 p.
concert, assisted by: Cadet, Ralph Bell, E.
Carey Sermon; Edith Carey, contralto;
Accompanist; Gerald Marion, cornetist; M
Lesher, reader; John McAuliffe, pianist.
WCX, Detroit, Mich. (516.9m-580kc), 2
afternoon hour; 7, Detroit sympony or
WGHP, Detroit, Mich. (270m-1110kc), 1.
Central Presbyterian Memorial church.
WGN, Chicago, Ill. (302.8m-990kc), 6:15 p. m., Uncl
Walt; 6:45, musicale; 7-7:20, Million sing; 7:20-7:30,
Old Fashioned Almanack; 7:30-8, musicale; 8-8:15,
Drake concert ensemble, Blackstone string quintet;
8:15, Atwater Kent musicale; 8:45, musicale; 9-10,
Our Music Room; 10, feature program; 10:10, WGN
studio ensemble.
WGY, Schnectady, N. Y. (379.5m-790kc), 9:45 a. m.,
First Church of Christ, Scientist; 6:05 p. m., Park
Avenue Baptist church carillon; 6:20, Hotel Pennsyl-
vania orchestra, WJZ; 7, WJZ; 7:30, WJZ; 8:30,
WJZ.
WHT, Chicago, Ill. (399.8m-750kc), 3 p. m., Paul
Pender.
WJR, Pontiac, Mich. (516.9m-580kc), 10 a. m., First
Presbyterian church; 2, Detroit sympony orchestra; 10,
WJZ concert.
WKRC, Cincinnati, Ohio. (422.3m-710kc), 10 p. m.,
Classical program; 11:45, Swiss Garden frolic; 12,
Marie Tiffet, blues and ballads; 12:15, Ace
Brigade's Eastern Virginians.
WLIB, Chicago, Ill. (302.8m-990kc), 5 p. m., Liberty
studio ensemble, 5:45, Edward Benedict.

Circle theater organ and orchestra; 8-9, service, First Presbyterian church of Hollywood; 9-10:30, program, Beverly Hills Nurseries.
KPO, San Francisco, Calif. (428.3m-700kc), 5-6 p. m., Marshall W. Giselman, organist; 6-6:30, States Restaurant orchestra; 6:35-8:35, Palace Hotel concert orchestra; 8:35-10, Rudy Seiger's Fairmont hotel orchestra.

Monday, August 16

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
9	8	7	6	5

WEEI (348.6m-860kc), Tales of the Sea.

Ettzi Covato and his orchestra; 8, Marie Vierheller, pianist; Blanchard Wiester, tenor; 8:30, concert, Willows, Oakmont.
WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., WBAL dinner orchestra; 7:30-8, WBAL male quartet; 8-9, WBAL trio; 9-10, dance orchestra.
WBZ, Springfield, Mass. (333.1m-900kc), 6 p. m., Hotel Lenox ensemble; 6:35, Hotel Kimball trio; 8, Capitol theater orchestra; 8:30, Rene Dagenais, organist; 9, Priscilla Beach half hour; 9:30, Edson A. Parks and his orchestra.
WCX, Detroit, Mich. (516.9m-580kc), 6 p. m., Goldkette ensemble; 8-10, Detroit symphony orchestra.
WGHB, Clearwater, Fla. (265.3m-1130kc), 8:30-10 p. m., Caroline Lee; Max Hartlett, pianist.
WGHP, Detroit, Mich. (270m-1110kc), 6 p. m., dinner concert from Hotel Tuller; 8:30-9, studio program; 9-10, WGHP ensemble and soloists.
WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Jean Goldkette's Petite symphony orchestra; 7:15, Caspar
Contralto; soprano;
WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., Nelle Snead; address, Samuel Carver; Harry Frank, organist; 8-9, WEAF; 11:45-1, Charlie Straight's Brunswick recording orchestra; Ted Meyn, organist; Earl Coleman's orchestra.
WFAA, Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m., Ozarks orchestra; 8:30-9:30, Sears-Roebuck Agricultural Foundation program.
WHAD, Milwaukee, Wis. (275.1m-1090kc), 6:10 p. m., Wisconsin theater organ recital; 8:30, popular program; orchestral selections; Waldeman Schueler, pianist; Cliff Borchardt, baritone; novelty program, Vent Callahan, harmonicist, saw artist.
WHO, Des Moines, Iowa (526m-570kc), 7:30-8 p. m., Philbreck and his Younker Tea-Room orchestra; 8-9, Bankers Life trio.
WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Pappalardo Brothers' orchestra.
WOAI, San Antonio, Texas (394.5m-760kc), 8:30 p. m., Sunshine Laundry orchestra.

VISIT ATLANTIC CITY BOARD WALK WITH SYMPHONY PLAYERS OF KDKA

HIGH LIGHTS OF THE AIR

THAT delightful pair of song-birds, Beulah Lockwood Durfee and J. Otto Jellison of WCCO, are announced for a song cycle, Tuesday, August 17. This soprano and tenor combination come on the air like a high moment from the opera.

Steinmetz, the little giant whose brain unravelled many of the mysteries of modern electricity, is the subject of an interesting series of talks on the Tuesday 6:30 programs at WGY. The story as authoritatively told by John W. Hammond is more than the study of a man, it is a story of American opportunity and achievement.

Providence, R. I., is announced as the sojourn for a day of the Travelers Jongleurs, Wednesday, August 18. The "Unknown Troubadour" of this troupe made his reputation as a star in a barn-storming opera company, singing as a boy soprano and fooling the stage door Johnnies.

Temple Bells and the etherial presence of Oriental song and mysticism will afford an entertaining feature from CNRM, Thursday, August 19, by the Himalayan string quartet.

If you have never visited the famous "Boardwalk of Atlantic City," you may close your eyes Thursday, August 19, and dial for KDKA. Richard Kountz and the Symphony players will bring to your imagination the sound picture of this well known place. Amid the swell of the waves you will hear the music of the orchestras.

The Gondoliers, those popular musicians of WOS, return to this station Wednesday, August 25, bringing their marimbas with them. They have planned a gay program and anyone enjoying this unusual instrumental music should tune in.

Mr. and Mrs. W. J. Whiteman, Paul Whiteman's parents, and Ferne Whiteman Smith, his sister, will appear at KOA, Wednesday, August 25, when the Ohio society of Denver entertains. Nor will Mr. Whiteman's family appear in jazz selections. They will give a variety of semi-classical music.

Although WCAP, Washington, D. C., will cease to go out over the air all the programs originaly given over this station will continue to be broadcast over WRC.

Sunday, August 15

Headliners Today

Atlantic Eastern Central Mountain Pacific
7:20 6:20 5:20 4:20 3:20
WEAF (491.5m-610kc), WEEI (348.6m-860kc), WRC (468.5m-640kc) WWJ (352.7m-850kc), KSD (545.1m-550kc), WCAE (461.3m-650kc), Capitol family.
9 8 7 6 5
WCX (516.9m-580kc), Detroit symphony orchestra.
9:15 8:15 7:15 6:15 5:15
WIP (508.2m-590kc), Paul Althouse, tenor.
11:15 10:15 9:15 8:15 7:15
KOA (322.4m-930kc), Open-air concert.

Sunday, silent night for: CKAC, CKNC, CNRA, CNRC, CNRE, CNRM, CNRO, CNRR, CNRT, CNRV, CNRW, KFAB, KFKX, KFOA, KFXF, KMA, KWWG, WAHG, WDAF, WEBJ, WFI, WGBF, WGHB, WCHP, WHAS, WJJD, WJR, WLIT, WLWL, WMAQ, WMC, WNYC, WOAW, WOI, WOOD, WRC, WREO, WRVA, WSB, WSM, WTAM, WTIC.

Atlantic or Eastern Daylight Saving Time Stations

CFCA, Toronto, Can. (356.9m-840kc), 11 a. m., St. Paul's Anglican church; 7 p. m., Timothy Eaton Memorial church; 9:30, CFCA's concert orchestra.
WCAU, Philadelphia, Pa., (277.6m-1080kc), 6:30 p. m., Hotel Pennsylvania orchestra; 7:30, Cathay tea garden orchestra.
WEAF, New York. (491.5m-610kc), 3 p. m., Greater New York Federation of Churches; 4, sacred music; 4:30, Federation mixed quartet; 5:30, Edward Steels, pianist; 6, France Sebel, soprano; 7:20, Capitol family, WEEI, WCAP, KSD, WWJ, WJAR, WCAE; 9:15, Atwater Kent, WEEI, WGR, WCAP, WWJ, WSAI, WGN, WCCO, KSD; 9:45-10:15, Goldman band concert, WEEI, WJAR, WTAG, WCSH, WSAI.
WFI, Philadelphia, Pa. (394.5m-760kc), 7:30 p. m., services, Arch st. Presbyterian church, Rev. Clarence E. MacCartney.
WIP, Philadelphia, Pa. (508.2m-590kc), 4:15 p. m., community vocal and instrumental trio; 7:15, services, Holy Trinity church; 9:15, concert, Marine studio; 10:30, organ recital from Atlantic City High School.
WJZ, New York, N. Y. (454.3m-660kc), 6 p. m., Isadore Greenberg, violinist; 7:05 p. m., Park Avenue Baptist Church Carillon, WGY; 7:25, Hotel Pennsylvania concert orchestra, WGY; 8, Betty Paulu, contralto, WGY; 1d Morris, accompanist; 8:15, Hotel Ambassador trio, WGY; 9, Minerva Male quartet, WGY; 9:30, Godfrey Ludlow, violinist; Lolita Cabrera Gainsborg, pianist, WGY.
WMAK, Buffalo, N. Y. (265.3m-1130kc), 7 p. m., Churchill tabernacle.
WMCA, New York, N. Y., (340.7m-880kc), 7 p. m., Ernie Golden and his Hotel McAlpin orchestra; 7:30, Monte Carlo By The Sea orchestra.

Eastern Standard or Central Daylight Saving Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 7 p. m., municipal concert.
KYW, Chicago, Ill. (535.4m-560kc), 10 a. m., Second Presbyterian church; 3:30 p. m., studio concert; 8:30-10, classical concert.
WBAL, Baltimore, Md. (245.8m-1220kc), 7:30-8:30 p. m., WBAL concert orchestra.
WBBM, Chicago, Ill. (225.4m-1330kc), 12:30-2 p. m., Sacred classical concert, Eddie Hanson at the Barton organ, staff artist; 4-6, Musical matinee, Lee Sims, Charlie Penzen, tenor; 8-10, Melody hour, staff artists; 12, The Nutty club.
WBZ, Springfield, Mass. (333.1m-900kc), 7 p. m., Copley Plaza concert; 8, Golden Rule hour; 9, Knight of Pythias.
WCBD, Zion, Ill. (344.6m-870kc), 9 p. m., male chorus, vocal trio; duets, Ralph Bull, E. B. Paxton, Carey Sisters; Edith Carey, contralto, L. J. Hire, violin soloist, Gerald Mason, cornetist, Mrs. Blanche Kesler, reader; John McDuffey, pianist.
WCX, Detroit, Mich. (516.9m-580kc), 2:30 p. m., Schuemann's band; 8, Detroit symphony orchestra.
WGHP, Detroit, Mich. (270m-1110kc), 11 a. m., Grosse Pointe Memorial church.
WGN, Chicago, Ill. (302.8m-990kc), 6:15 p. m., Uncle Walt; 6:45, musicale; 7-7:30, Million song; 7:20-7:30, Old Fashioned Almanack; 7-8, musicale; 8:15, Drake concert ensemble, Blackstone string quintet; 8:15, Atwater Kent musicale; 8:45, musicale; 9-10, Our Music Room; 10, feature program; 10:10, WGN studio ensemble.
WGY, Schenectady, N. Y. (379.5m-790kc), 9:45 a. m., First Church of Christ, Scientist; 6:05 p. m., Park Avenue Baptist church carillon; 6:20, Hotel Pennsylvania orchestra, WJZ; 7, WJZ; 7:30, WJZ; 8:30, WJZ.
WHT, Chicago, Ill. (399.8m-750kc), 3 p. m., Paul Rader.
WJR, Pontiac, Mich. (516.9m-580kc), 10 a. m., First Baptist church; 8, Detroit symphony orchestra; 10, song service.
WKRC, Cincinnati, Ohio. (422.3m-710kc), 10 p. m., classical program; 11:15, Swiss Garden frolic; 12, Marie Turner, blues and ballads; 12:15, Ace Brigode's Fourteen Virginians.
WLIB, Chicago, Ill. (302.8m-990kc), 5 p. m., Liberty studio ensemble; 5:45, Edward Benedict.
WLW, Cincinnati, Ohio. (422.3m-710kc), 9:30 a. m., Sunday school; 11, church service; 3 p. m., municipal band, Eden park; 7:30, Grace Chapman, organist; 8:30, Crosley Salon orchestra; Nadyne Roberts Waters, soprano.
WQJ, Chicago, Ill. (447.5m-670kc), 3-4 p. m., Sylvian Four; Jacob Hanneman, pianist; 8-10, Rainbow Gardens orchestra; Clara Gorski Geis, soprano; J. Edwin Peterson, bass; Eliott Oakes, violinist; Dorothy Cutler, pianist, Lauralice duo; Dr. Carl Bert Schinker, pianist.
WSAI, Cincinnati, Ohio. (325.9m-920kc), 7:45 p. m., chimes; 8:15, WEAF; 8:45, WEAF.
WTAM, Cleveland, Ohio. (389.4m-770kc), 6 p. m., Hollenden Hotel orchestra; 7, Park Theater orchestra; 8, Twilight musicale.
WWJ, Detroit, Mich. (352.7m-850kc), 11 a. m., First Presbyterian church; 2 p. m., Detroit News orchestra; 6:20, WEAF; 8:15, WEAF.

Central Standard Time Stations

CKY, Winnepeg, Can. (384.4m-780kc), 7 p. m., St. Andrews United.
KFAB, Lincoln, Nebr. (340.7m-880kc), 9-10 p. m., Sunday evening musicale.
KFNF, Shenandoah, Ia. (461.3m-650kc), 10:45 a. m., First M. E. church; 2:30 p. m., Seed House song service; 3, Men's Gospel Team service; 6:30, Golden Rule circle; 8, Christian church service.
KMA, Shenandoah, Ia. (461.3m-650kc), 4:45 p. m., Lutheran church choir; 5, talk, Rev. L. A. Lippitt.
KMMJ, Clay Center, Nebr. (228.9m-1310kc), 9:15 p. m., services.
KOIL, Council Bluffs, Iowa. (305.9m-980kc), 11 p. m., program.
KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 11 a. m., First Presbyterian church; 9-10-10, Meyer Davis ensemble.
WBAP, Fort Worth, Tex. (475.9m-630kc), 11 a. m., First Methodist church; 9:30-11, Sorin-White Top of Texas orchestra.
WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 10:50 a. m., Hennepin Avenue M. E. church; 4:30 p. m., House of Hope Presbyterian church; 7:15, WEAF; 9:30, Hugo Philler Goodwin, organist.
WDAF, Kansas City, Mo. (365.6m-820kc), 3-3:30 p. m., classical musical program, 3:30-4, Newman theater stage specialties; 4-4:45, Sabbath vesper.
WFAA, Dallas, Tex. (475.9m-630kc), 6-7 p. m., Radio Bible class; 7:15-8, American Legion program; 8-9, First Methodist Episcopal church; 11-12, Harry F. Hassall and his symphonic orchestra.
WHAD, Milwaukee, Wis. (275.1m-1090kc), 3:15 p. m., Milwaukee Park Board band concert.
WHAS, Louisville, Ky. (399.8m-750kc), 9:57 a. m., organ; 10, Broadway Christian church.
WHO, Des Moines, Ia. (526m-570kc), 5-6 p. m., Bankers' Life Little Symphony orchestra; 7:30-8:30, Paul Christianson's Hotel Fort Des Moines orchestra.
WMC, Memphis, Tenn. (499.7m-600kc), 11 a. m., Second Presbyterian church.
WOAW, Omaha, Nebr. (526m-570kc), 2:30 p. m., classical period; 9, chapel service.
WOC, Davenport, Ia. (483.6m-620kc), 1-2 p. m., old folks' musicale; Paul J. Vipperman, tenor; 8-8:30, Pliny L. Allen of Lombard college; 9:30-10:30, Palmer Little Symphony.
WSB, Atlanta, Ga. (428.3m-700kc), 7:30 p. m., North Avenue Presbyterian church.
WSM, Nashville, Tenn. (282.8m-1060kc), 7:30 p. m., First Presbyterian church.
WSOE, Milwaukee, Wis. (245.8m-1220kc), 10 a. m., church service; 3:30, Bible hour; 8, services.

Mountain Standard Time Stations

KOA, Denver, Colo. (322.4m-930kc), 11 a. m., Montview Presbyterian church; 5:30 p. m., Mrs. Blanche Townsend, organist; 8, open-air concert, Denver municipal band.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Jim, Jack and Jean trio; 8-9, Aeolian organ; 9-10, Walt Bottger's Venetians, 10-11, Packard Six orchestra.
KFWB, Hollywood, Calif. (252m-1190kc), 9-11 p. m., Warner Brothers' Sunday night movie frolic, featuring Bill Hatch and his orchestra.
KGO, Oakland, Cal. (361.2m-830kc), 11 a. m., First Baptist church; 4 p. m., vespers, Grace Cathedral; 6:30-7:30, Ben's Little symphony orchestra; 7:35, First Baptist church; 9:10, Ben's Little symphony.
KHJ, Los Angeles, Calif. (405.2m-740kc), 7-8 p. m., evening service, First M. E. church, 8-10 p. m., Orpheus Four male quartet.
KNX, Hollywood, Calif. (336.9m-890kc), 7-8 p. m., Circle theater organ and orchestra, 8-9, service, First Presbyterian church of Hollywood; 9-10:30, program, Beverly Hills Nurseries.
KPO, San Francisco, Calif. (428.3m-700kc), 5-6 p. m., Marshall W. Giselman, organist; 6-6:30, States Restaurant orchestra; 6:35-8:35, Palace Hotel concert orchestra; 8:35-10, Rudy Seiger's Fairmont hotel orchestra.

Monday, August 16

Headliners Today

Atlantic Eastern Central Mountain Pacific
9 8 7 6 5
WEEI (348.6m-860kc), Tales of the Sea.
10 9 8 7 6
WEAF (491.5m-610kc), WJAR (305.9m-980kc), WCCO (416.4m-720kc), WCAE (461.3m-650kc), WCSH (256.3m-1170kc), KSD (545.1m-550kc), WDAF (365.6m-820kc), WOO (508.2m-590kc), WTIC (475.9m-630kc), WRC (468.5m-640kc), WSAI (325.9m-920kc), "Martha."
WOS (440.9m-680kc), Fiddling champion.
10:30 9:30 8:30 7:30 6:30
KFAB (340.7m-880kc), Old-time tune night.
11 10 9 8 7
WCCO (416.4m-720kc), Scandinavian ensemble.
WSAI (325.9m-920kc), Harmony Four.
11:30 10:30 9:30 8:30 7:30
WBAP (475.9m-630kc), Grapevine Fiddle band.
2 1 12 11 10
WAMD (244m-1230kc), Our hour, Mac, Sac.

Monday, silent night for: CKAC, CNRA, CNRC, CNRE, CNRM, CNRO, CNRR, CNRT, CNRV, CNRW, KHJ, KLDS, KPSN, KWSC, KYW, WBBM, WCBD, WEBH, WEBJ, WENR, WGBF, WGBS, WGES, WGN, WGY, WHAS, WHT, WIBO, WIP, WJAZ, WJJD, WLIB, WLS, WMAQ, WMBB, WOC, WOK, WORD, WQJ, WRC, WSAI.

THE Jolly Tars above are members of the Sylvan Beach dance orchestra of which Earl McMahon is the director. This Houston Post Dispatch feature is a weekly entertainment at KPRC during the summer. To the left is Nicolai Berezowski, conductor of the Atwater Kent orchestra which plays every Sunday evening at 9:15 p. m. Atlantic time through WEAF, WGR, WRC, WWJ, WSAI, WGN, WCCO, and KSD. Mr. Berezowski, although only a young director, has shown himself a skilled one. Among the pretty girls appearing before the microphone of WQJ is Vesta Lou Balch, right, and she is a soprano. However, she is an intelligent one and never once has her voice offended the ear of a listener. In fact when she sings the telephone rings incessantly with requests for more.

Atlantic or Eastern Daylight Saving Time Stations

CKNC, Toronto, Can. (356.9m-840kc), 9 p. m., Eveready Salon orchestra; Mrs. Harry Hodgetts, soprano; L. Clare Forster, bass.
WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30 p. m., recital, N. Shellenburg and company; 8, Carolyn Thomas, soprano; 8:30, The Two Rascals; 8:45, The Merry Minstrels; 9:30, Italian comedians, Tony and Joe; 9:45, Chalfont sisters, songs; 10, Raymond Vetter, violinist; 10:40, recital.
WEAF, New York, N. Y. (491.5m-610kc), 6 p. m., dinner music; 7, Myrtle Stitt Mason, contralto; 7:15, Florence Wilkanouski, pianist; 7:30, Claude Reese, tenor; 8, Meyer Davis and his orchestra; 8:30, Goldman band concert, WWJ, WTIC; 10, grand opera, "Martha," WJAR, WCCO, WCAE, WCSH, KSD, WDAF, WOO, WTIC, WCAP, WSAI; 11-12, Jack Albin and his orchestra.
WEEI, Boston, Mass. (348.6m-860kc), 8 p. m., Earl Nelson and his uke, 8:15, Varsity tire entertainers; 9, Steamship Dorothy Bradford orchestra; 9:30, Nautical dance orchestra.
WFI, Philadelphia, Pa. (394.5m-760kc), 6:45 p. m., Adelphia Roof Garden orchestra.
WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Hotel Madison dinner orchestra; 7:55, John B. Kennedy; 8:10, Troubador Tavern orchestra; 9, Maxwell House Coffee ensemble; 10:30, Harold Leonard's Waldorf Astoria roof orchestra.
WLIT, Philadelphia, Pa. (394.5m-760kc), 8 p. m., Short Agio Waves, Chas. E. Shoffner; 8:15, Arcadia Cafe concert orchestra, 9, Stanley theater hour of music; 10, Arcadia Cafe dance orchestra; 10:30, Fay's vaudeville features; 10:45, El Patio orchestra.
WMAK, Buffalo, N. Y. (265.3m-1130kc), 6:15-7:15, Philco Battery serenaders, 7:30-8:15, Buffalo Athletic club, 8:15-9, agriculture program.
WMCA, New York, N. Y. (340.7m-880kc), 6:30 p. m., Ernie Golden and his Hotel McAlpin orchestra; 7:30, Monte Carlo-by-the-Sea; 9:15, Hardman Hour of Music; 10:30, Hotel Shelburne orchestra; 11, Jack Denny's orchestra; 11:30, Club Brighton orchestra, 12m, McAlpin entertainers.
WOR, Newark, N. J. (405.2m-740kc), 6:15 p. m., Jacques Jacobs' Hotel Shelton ensemble; 7, Jacques Jacobs Hotel Shelton ensemble, 7:30, Brooklyn Daily Eagle program; 8, Newark Philharmonic band; 9, Klein's Serenading Shoemakers; 10, Monterey Society orchestra; 10:30, Monterey concert quintet; 11:15, Ben Bernie's Berkeley Carteret orchestra.
WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Hotel Sylvania orchestra, 8, organ recital; 8:30, Sesquicentennial program; 10:30, Sam Brown's orchestra.

Eastern Standard or Central Daylight Saving Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 5:30 p. m., Ltzi Covato and his orchestra; 8, Marie Vierheller, pianist; Blanchard Wiester, tenor, 8:30, concert, Willows, Oakmont.
WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., WBAL dinner orchestra; 7:30-8, WBAL male quartet, 8-9, WBAL trio, 9-10, dance orchestra.
WBZ, Springfield, Mass. (333.1m-900kc), 6 p. m., Hotel Lenox ensemble, 6:35, Hotel Kimball trio; 8, Capitol theater orchestra; 8:30, Rene Dagenais, organist, 9, Priscilla Beach half hour; 9:30, Edson A. Parks and his orchestra.
WCX, Detroit, Mich. (516.9m-580kc), 6 p. m., Goldkette ensemble, 8-10, Detroit symphony orchestra.
WGHB, Clearwater, Fla. (265.3m-1130kc), 8:30-10 p. m., Caroline Lee; Max Hartlett, pianist.
WGHP, Detroit, Mich. (270m-1110kc), 6 p. m., dinner concert from Hotel Tuller; 8:30-9, studio program; 9-10, WGHP ensemble and soloists.
WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Jean Goldkette's Petite symphony orchestra; 7:15, Caspar Lingeman entertainers; 7:45, Good Will Oakland, Chief Pontiac; 8, Detroit symphony orchestra.
WKRC, Cincinnati, Ohio (422.3m-710kc), 6:15 p. m., Alvin Roehr and his Hotel Alms orchestra; 8, Eugene Schmitt, baritone; 8:15, dance program; 8:45, Eugene Perazzo, pianist; 9, American Legion; 12, popular program.
WLS, Chicago, Ill. (344.6m-870kc), 6:30 p. m., Al Melgard, organ; 6:45-7, College Inn orchestra.
WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., Hotel Gibson Oriental room orchestra; 8, Charleston session, Pat Patrick's orchestra; 9, Calumet Baking Powder company and Rainbo Gardens hour.
WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9 p. m., Hazel Emmons, soprano; Luella Craig Tynesdale, contralto; Thurlow De Vlieger, pianist; 10:05, Van Wyck's instrumental quartet.
WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., dinner hour of music; Gold Standard ensemble, Speed-Wagon serenaders.
WRVA, Richmond, Va. (256.3m-1170kc), 8:45 p. m., chimes; 9:10, Bright Keck, Pat Binford; 9:30, Eugene Turner, tenor; 10:30, Hotel Richmond summer garden orchestra.
WSAI, Cincinnati, Ohio (325.9m-920kc), 9 p. m., WEAF; 10, Harmony Four; Ferd Rame, tenor.
WTAM, Cleveland, Ohio (389.4m-770kc), 6 p. m., Hollenden Hotel orchestra; 7, Allen theater orchestra; 8, studio program; 11, Emerson Gill and his Bamboo Garden orchestra.
WTIC, Hartford, Conn. (475.9m-630kc), 7:30 p. m., Goldman band concert; 9, grand opera hour; 10:05-10:30, Capitol theater organ.
WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7:30, Goldman band concert; 9, Detroit News orchestra.

Central Standard Time Stations

CKY, Winnipeg, Can. (384.4m-780kc), 11 p. m., Capitol theater revue.
KFAB, Lincoln, Nebr. (340.7m-880kc), 8:30-10:30 p. m., old-time tune night.
KFNF, Shenandoah, Iowa (461.3m-650kc), 7 p. m., concert; 8, poultry talk.
KMA, Shenandoah, Iowa (461.3m-650kc), 9-11 p. m., Corey and Carl.
KOIL, Council Bluffs, Iowa. (305.9m-980kc), 6 p. m., Evangeline Higgins; 7:30, Lyric serenaders; 9, Radio Jazz orchestra; 10, Barnyard Twins.
KTHS, Hot Springs, Ark. (374.8m-800kc), 9:10-9:40 p. m., Charles Garden, saxophonist; Clyde Foley, tenor; 9:40-10, Lawson Reid, organist; 10-10:30, dance concert, New Arlington hotel orchestra.
WBAP, Fort Worth, Texas (475.9m-630kc), 7:30-8:30 p. m., Allene Patterson Duff, contralto; 9:30-11, Grapevine Fiddle band; 11-12, musicale.
WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6:15 p. m., St. Paul Hotel concert orchestra; Eleanor Poehler, soprano; 7:30, Radio Scouts' hour; 8, WEAF; 9, Scandinavian ensemble; Edith McDonald Carpenter, soprano.
WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., Nelle Snead; address, Samuel Carver; Harry Frank, organist; 8-9, WEAF; 11:45-1, Charlie Straight's Brunswick recording orchestra; Ted Meyn, organist; Earl Coleman's orchestra.
WFAA, Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m., Ozarks orchestra, 8:30-9:30, Sears-Roebuck Agricultural Foundation program.
WHAD, Milwaukee, Wis. (275.1m-1090kc), 6:10 p. m., Wisconsin theater organ recital; 8:30, popular program; orchestral selections; Waldeman Schueler, pianist; Cliff Borchardt, baritone; novelty program, Vent Callahan, harmonicist, saw artist.
WHO, Des Moines, Iowa (526m-570kc), 7:30-8 p. m., Philbreck and his Younker Tea-Room orchestra; 8-9, Bankers Life trio.
WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Pappalardo Brothers' orchestra.
WOAI, San Antonio, Texas (394.5m-760kc), 8:30 p. m., Sunshine Laundry orchestra.
WOAW, Omaha, Nebr. (526m-570kc), 6:50 p. m., orchestra; 9, classical.
WOI, Ames, Iowa (270.1m-1110kc), 7:30 p. m., "An English Boy's Experiences in Iowa," Prof. J. C. Cunningham.
WOS, Jefferson City, Mo. (440.9m-680kc), 8 p. m., Daniel Boone Jones, old fiddler champion.
WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., Andrew Jackson hotel trio; 8, Elmer Duke, bass; Marvin Nichols, tenor; Robert Tucker, pianist; 10, Vito and his Radio Seven.
WSOE, Milwaukee, Wis. (245.8m-1220kc), 9 p. m., Foca Di Leo's Accordion symphony orchestra.

Mountain Standard Time Stations

CNRC, Calgary, Can. (435.8m-688kc), 9:30 p. m., CNR Little Symphony orchestra.
KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra; 7:30, self-expression for children; 8, Scheuerman's Colorado orchestra; 8:15, musical offerings, Rocky Mountain News, Denver Times.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Owen Fallon's Californians; 8-9, classic hour; 9-10, program, Walter M. Murphy Motors company, KPO; 10-11, program, Meiklejohn brothers.
KFWB, Hollywood, Calif. (252m-1190kc), 7-8 p. m., program, Dr. Ralph Mitchell and Associated Dentists; 8-9 p. m., program. The Sealy company; 9-10 p. m., program, American Dye Works; 10-11 p. m., Warner brothers' frolic.
KGO, Oakland, Calif. (361.2m-830kc), 8 p. m., educational program.
KNX, Hollywood, Calif. (336.9m-890kc), 7-7:30 p. m., program, Pacific Palisades ass'n; 7:30-8, program by Overell's; 8-9, L. W. Stockwell company program; 9-10, Julian Pete program; 10-11, Alexandria hotel dance orchestra; 11-12, Ambassador hotel dance orchestra.
KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7 p. m., States Restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel orchestra; 8-9, Uda Waldrop, organist; 9-10, Walter M. Murphy Motors company; 10-11, Mandarin Cafe orchestra.

DANCING

Central Time

Saturday

9, Mebb, Wjaz, Wmbb, Wnyc, Wreo; 9:10, Kths, Wip; 9:30, Kths, Wgbs, Wor, Wreo; 10, Kmox, Kfwa, Koa, Kpo, Weaf, Wgn, Wjaz, Wjr, Wkrc, Wmca, Wnyc, Wor, Wqj, Wreo, Wtam; 10:05, Wcco; 10:30, Mamd; 10:45, Wls; 11, Kfwa, Kfwb, Kpo, Webh, Wfaa, Wgbu, Who, Wjaz, Woc; 11:30, Kfoa; 11:45, Wdaf; 12, Kgo, Kgw, Knx, Wgbu, Wjaz, Wjjd.

Monday

8, Wgep; 9, Wgbu, Wjar, Wor; 9:15, Wahg; 10, Kths, Wgbu, Wgep, Wgr, Wnyc, Wpg; 10:15, Wor; 10:30, Wgep, Whn; 11, Kgw, Koil, Wgbu, Wgep, Wgr, Whn, Who, Wjaz; 11:45, Wdaf; 12, Knx, Kpo.

Tuesday

10:15, Kths; 10:30, Kths, Whn; 10:45, Wsb; 11, Kgw, Koil, Wgbu, Whn, Wjaz; 11:45, Wdaf; 12, Kgw, Khj, Knx, Kpo, Wdaf, Wjaz; 1, Wqj.

Wednesday

9:15, Wahg; 9:30, Wbap, Who, Wor; 10, Kfve, Wbap, Weaf, Wgbu, Wgep, Wjaz, Wqj; 10:05, Wcco; 10:30, Wbap, Whn; 11, Kmox, Koil, Kpo, Webh, Wgbu, Wgep, Wgr, Who, Wjaz; 11:45, Wdaf; 12, Kfwa, Knx, Kpo, Wjaz, Wjjd.

Thursday

8, Wjr; 9, Webh, Weel, Wgbu, Who, Wjr, Wmbb, Wsai, Wtag; 9:05, Wbz, Wip; 9:30, Wgbs, Wgy, Whn; 9:35, Wnyc; 10, Kths, Wbbm, Weaf, Wgbu, Whn, Wmca, Wpg, Wqj; 10:30, Kths, Whn, Webh, Wgbu, Whn, Woc; 11:45, Wdaf; 12, Kgo, Khj, Knx, Kpo, Wjjd.

Friday

8, Wwj; 9, Wcx, Webh, Weel, Wgep, Wmbb; 9:15, Wahg; 9:30, Weau, Whn; 10, Kpo, Kths, Wgr, Wgep, Whn, Wgr, Wqj.

Tuesday, August 17

Headliners Today

Atlantic Eastern Central Mountain Pacific
9 8 7 6 5
CNRA (322.4m-930kc), Barn-raising frolic.
9:20 8:20 7:20 6:20 5:20
WMAQ (477.5m-670kc), Architects' Small House service bureau.
10 9 8 7 6
WBAL (245.8m-1220kc), City Park orchestra.
11 10 9 8 7
WCCO (416.4m-720kc), "Sayonara," song cycle.
WQJ (447.5m-670kc), First National violin quartet.
11:15 10:15 9:15 8:15 7:15
WKRC (422.3m-710kc), Patty-Cake Man.
11:45 10:45 9:45 8:45 7:45
KTHS (374m-800kc), Dialect stories.
12 11 10 9 8
KGO (361.2m-830kc), Orpheus orchestra.

Tuesday, silent night for: CFCA, CKNC, CNRC, CNRE, CNRM, CNRO, CNRT, CNRW, KFH, KFKX, KFUO, KOA, KOB, KTAB, KWWG, WAHG, WAMD, WBBR, WCAP, WGCP, WOR, WOS, WRVA, WSMB, WSUI, WTAM, WTIC.

Atlantic or Eastern Daylight Saving Time Stations

CNRA, Moncton, Can. (322.4m-930kc), 9 p. m., barn-raising frolic, band, two town cut-ups; 11, CNRA dance orchestra.
WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30 p. m., recital, N. Snellenburg and company, 8, Roy Tracy, tenor; 8:10, The Three Brothers, 8:25, Peter Ricci, baritone; 8:45, Charles Higgins, popular songs, 9, Kuehnle's Artists; 9:30, recital; 9:45, Eddie Malle's entertainers; 10, Billy Hay's Cathay dance orchestra.
WEAF, New York, N. Y. (491.5m-610kc), 6 p. m., dinner music; 7, Walter H. Preston, baritone, 7:10, Columbia University French lecture, Dr. Thatcher Clark; 7:30, William Wilson and his orchestra; 8, Salon concert, WEEI, WFI, WCAE, WWJ, WGR, WTAM; 8:30, Gold Dust Twins, WEEI, WFI, WCAE, WGR, WWJ, WOC, WCCO, WCSH, WJAR, WLIB, WTAM, KSD; 9, Eveready hour, WEEI, WFI, WCAE, WGR, WWJ, WOC, WCCO, WJAR, WTAG, WGN, WTAM, WSAI, KSD; 10, Bob Davis recalls, WEEI, WGR, WTAG, WCAE, WFI, WWJ, KSD, WCSH, WTAM; 10:15, Moment musicale, WEEI, WGR, WTAG, WCAE, WFI, WWJ, KSD, WCSH, WTAM; 10:30, Rolfe's Palais D'Or orchestra, WEEI, WFI, WWJ, WCAE, WGR, WTAM, KSD, WCSH; 11:30-12, Greenwich Village Inn orchestra.
WEBJ, New York, N. Y. (272.6m-1100kc), 7 p. m., Original Melville Five; 7:30, Knickerbocker Grill orchestra; 8:15, Edna Josephs, pianist, Thomas Prytherch, tenor; 8:30, Luna's Marine band.
WEEI, Boston, Mass. (348.6m-860kc), 6:21 p. m., George Joy and Nell Cantor in popular songs; 8, Salon concert, New York; 8:30, WEAF.
WFI, Philadelphia, Pa. (394.5m-760kc), 6:45 p. m., Adelphia Roof Garden orchestra; 8, WEAF; 10:30, Palais D'Or orchestra.
WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 8, Steeplechase Pier dance orchestra; 8:30, Steel Pier minstrels; 9, Chalfont-Haddon Hall dual trio; 10, Emo's movie talk; 10:20, Cummins' Kentuckians dance orchestra; 11, Silver Slipper club revue; 11:30, Seattle Harmony Kings.
WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Frank Dole; 7:20, Waldorf-Astoria roof orchestra; 8, Florence Stern, violinist; 9, Pennsylvania Railroad hour, WRC, WGY; 10, Cook's Southern Hemisphere Cruise, WRC, WGY; 10:30, Milton J. Cross, tenor; Kerth McLoed, pianist; 10:45, George Olsen's Hotel Pennsylvania roof orchestra.
WMCA, New York, N. Y. (340.7m-880kc), 6:45 p. m., Jack Windrow, ukulele and songs; 7, Monte Carlo by-the-Sea orchestra; 9, Paul Whiteman's Piccadilly players; 9:30, Columbia Park entertainers; 10:30, Hotel Shelburne orchestra; 11, Ernie Golden and his Hotel McAlpin orchestra; 12 m., McAlpin orchestra.
WOR, Newark, N. J. (405.2m-740kc), 6:45 p. m., Hotel Bretton Mall string quartet; 7:30, Premier club orchestra; 8:15, Vanderbilt Hotel orchestra; 9, Donald H. Baker, organ recital; 9:45, Jimmy Caruso's frolic; 10:15, Ritz-Carlton dance orchestra.

Eastern Standard or Central Daylight Saving Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 8 p. m., sacred song concert, Jean McCrory Newman, contralto; Vincent Kroon, tenor; 10:35, concert, Grand theater.
KYW, Chicago, Ill. (535.4m-560kc), 5:30 p. m., dinner concert, Congress hotel; 6, music hour; 7, American Farm Bureau federation; 8-9:30, classical concert; 9:30-11, Congress Carnival, Art Linick, Eddie and Fannie Cavanaugh.
WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., dinner orchestra; 7:30-8, Mandolin orchestra, 8-9, George Bolek, pianist; Katharine Whitelock, violinist; 9-10, City Park orchestra of Baltimore.
WBBM, Chicago, Ill. (225.4m-1330kc), 5:15-6 p. m., recital, Eddie Hanson at the Barton organ, 8-9:30, Melody hour, staff artists; 9:30-10, Moss covered melodies; 10-11:30, Variety hour, Lee Sims, Smith and Ford and staff artists; 11:30-12, Supper club, Howard Osburn's Vanity Fair cafe orchestra.
WBZ, Springfield, Mass. (333.1m-900kc), 6 p. m., Hotel Kimball trio; 6:33, Copley Plaza orchestra; 8, Russian Balalaika orchestra; 8:30, Copley dance orchestra; 9, Helen Virginia Cain, contralto; 9:30, MacBurquacks.
WCX, Detroit, Mich. (516.9m-580kc), 6 p. m. Goldkette ensemble; 8-10, Detroit symphony orchestra; 10, Red Apple club.
WGHP, Detroit, Mich. (270m-1110kc), 6 p. m., dinner concert from Hotel Tuller; 8:30-9:30, Dodge Brothers concert band; 9:30-10, studio program.
WGN, Chicago, Ill. (302.8m-990kc), 6:15 p. m., Uncle Walt's Punch and Judy, 6:45-7, Drake concert ensemble, Blackstone string quintet; 8-9, Eveready hour; 9-10, Great Moments from Grand Opera; 10-10:10, Sam 'n' Henry; 10:10-11, musicale.
WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., "The Wonder Story of Steinmetz", 6:45, WJZ; 7:30, WJZ; 8, WJZ; 9-9:30, "Australia."
WHT, Chicago, Ill. (399.8m-750kc), 7-8:30 p. m., Al Carney, organist; Riverview Melody Masters; 8:45-10:15 (238m-1260kc), organ opening, Riverview orchestra; 10:30-1 (399.8m-750kc), Al Carney, organist; Bel Canto male quartet, Ann Slack, cellist, Riverview orchestra, your hour league.
WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., dinner concert; 12, midnight jamboree.
WJAZ, Chicago, Ill. (329.5m-910kc), 9-12 mid., Club Chez Pierre, Earl Hoffman's Chez Pierre orchestra, The Quips That Pass in the Night; Helen Jackson, pianist; Frank Mason, violinist; Joan Miller, contralto.
WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Glover Watson old-time dance orchestra; 8, Detroit symphony orchestra.
WKRC, Cincinnati, Ohio (422.3m-710kc), 10 p. m., Eugene Perazzo, organist; 11, Al Kirschner, pianist; 11:15, Chubby Bieber, Patty-Cake Man; 11:30, dance program.
WLIB, Chicago, Ill. (302.8m-990kc), 7 p. m., Million sing; Old Fashioned Almanack; 7:15, dinner music; 7:30, Gold Dust Twins; 11, Correll and Gosden; 11:20, Ambrose Larsen, organist, Drake hotel dance orchestra; Liberty studio ensemble.
WLS, Chicago, Ill. (344.6m-870kc), 6:45 p. m., Maurie Sherman's College Inn orchestra; 7:20, Prof. E. Frazier, reader; 7:30, Ralph Emerson, organist; 8:10, College Inn orchestra; 8:20, Howard Melaney, tenor; 8:30, popular music.
WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., Johanna Grosse, organist; 7:30, Castle Farm dinner music; 8:15, Crosley Burnt Corkers; 9, Formica symphony orchestra.
WMAQ, Chicago, Ill. (447.5m-670kc), 6:30 p. m., orchestra, 6:45, swimming lesson; 8, book review, Keith Preston; 8:20, Architects Small House service bureau; 8:40, Whitney trio; 9, Mae Dowling Schmidt, pianist; 9:30, Jack Chapman's orchestra; 9:45, Burpan Homes.
WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9 p. m., Ye Olde Tyme Songe Feste, Roy Clark, Sally Simpkins, Jim Forshey, Claude Lee, Beth Garrison, Van Wyck's instrumental quartet, 9:45, Melissa Dvorak, pianist; 10:05, studio program.
WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., dinner concert; 10-2 a. m., violin quartet; T. N. Coffee, tenor; Frank Blasco, boy tenor, Muriel Olsen, blues singer; Ray Hibbeler, tenor, Romo Vincent, boy baritone; Sophia Kazmir.
WREO, Lansing, Mich. (225.6m-1050kc), 6-7 p. m., dinner hour of music; Speed-Wagon serenaders; Gold Standard ensemble; 8:15-9:15, band concert natural amphitheater.
WSAI, Cincinnati, Ohio (325.9m-920kc), 7 p. m., WJZ; 7:30, Charles H. Partington, accordionist; Ray Lombardi, baritone; 8, Eveready hour; 9, Maids of Melody; Lola Bruce, pianist.
WSWS, Chicago, Ill. (275.m-1090kc), 8-9 p. m., Truman Agland, pianist, Delores Diaravado, Spanish songs; Georgia Gray, Terrace Garden orchestra, Henri Therrien, Walter Dyckman, Jean St. Anne, baritone, Henry Kunz, songs, 10-11, Hugh Aspinwall, Georgia Gray, Mathews sisters, harmony; Zola Haynes, pianist, Terrace Garden orchestra; 12-1, Witching hour.
WTAM, Cleveland, Ohio (389.4m-770kc), 6 p. m., State theater vaudeville and music; 7, Salon concert from WEAF; 7:30, Gold Dust Twins from WEAF; 8, Eveready entertainers from WEAF, 9, Moment musicale from WEAF, 9:30, dance orchestra from WEAF; 10, studio program; 11, Frank R. Wilson's Euclid Beach park orchestra.
WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert, 7, WEAF.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 8:05-10:30 p. m., University of Nebraska.
KFNF, Shenandoah, Iowa (461.3m-650kc), 7 p. m., mixed program, Helen Turnbull.
KMA, Shenandoah, Iowa (461.3m-650kc), 9-11 p. m., May's Mandolin musicians.
KOIL, Council Bluffs, Iowa. (305.9m-980kc), 6 p. m., program, Warner Brothers Pictures, 7, Izaak Walton league, 7:30, studio program, 11, Tillie's Bon-Ton serenaders.
KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10-9:45 p. m., New Arlington hotel orchestra; 9:45-10, comedy songs and dialect stories, Como Al Reynolds.
WBAP, Fort Worth, Texas (475.9m-630kc), 7:30-8:30 p. m., Clyde Massengale, baritone; Florence Massengale, pianist, 9:30-11, Wagoner Hawaiian trio.
WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6:30 p. m., WEAF, 8, Ruth Lewis ensemble; Tenie Murphy O'Shea, soprano; 9, "Sayonara," song cycle, Beulah Lockwood Durfee, soprano; J. Otto Jellison, tenor.
WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., address, Mrs. Henry Cohen; 11:45-1, Charlie Straight's Brunswick recording orchestra; Earl Coleman's orchestra, Harry Frank, organist.
WFAA, Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m., Honey Boys orchestra, 8:30-9:30, Fred J. Wilcox, pianist; Mrs. H. Stanley Staveley, singer; 11-12, Jimmy Joy's orchestra.
WGBF, Evansville, Ind. (236m-1270kc), 7 p. m., Journal musical program; 8, musical novelties.
WHAD, Milwaukee, Wis. (275.1m-1090kc), 6:10 p. m., dinner hour program, orchestral selections; 8:30, Wisconsin theater review.
WHAS, Louisville, Ky. (399.8m-750kc), 7:30-8:30 p. m., Music Box extension studio; 8:30-9, Louis Wegert, zither soloist.
WHO, Des Moines, Iowa (526m-570kc), 7:30-9 p. m., Fourteenth Cavalry band.
WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., musical program; 11, Britling's Cafeteria orchestra.
WOAI, San Antonio, Texas (394.5m-760kc), 8:30 p. m., Gebhardt Mexican players.
WOAW, Omaha, Nebr. (526m-570kc), 6:50 p. m., orchestra; 9, program, George H. Lee company; 10:15, WOAW Radio Movie club.
WOC, Davenport, Iowa (483.6m-620kc), 6:30-7 p. m., WEAF, 7-8, WEAF; 8-9, Fourth band concert; 9-9:30, Tom Thumb and the Merry Old Chef.
WSM, Nashville, Tenn. (282.8m-1060kc), 8 p. m., studio program.
WSOE, Milwaukee, Wis. (245.8m-1220kc), 8 p. m., Building and Loan ideas; 9, Knights of Pythias concert.

Mountain Standard Time Stations

CNRR, Regina, Can. (312.3m-960kc), 8 p. m., McQuarrie's concert orchestra; Pragnall trio.
KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra.

Pacific Standard Time Stations

CNRV, Vancouver, Can. (291m-1030kc), 9 p. m., Mr. and Mrs. James Peter Fergusson, Ann Loshead, soprano, Walter Wright, bass, one act play, "The Monkey's Paw"; 10:30, Cabaret Belmont orchestra.
KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Virginia ballroom orchestra, Parks sisters in vocal duets, 8-9, screen artists' string quartet; 9-10, studio program, 10-11, Packard Radio club.
KFWB, Hollywood, Calif. (252m-1190kc), 7-8 p. m., program, Morris and company; 8-10 p. m., studio feature program; 10-11, Warner brothers frolic.
KGO, Oakland, Calif. (361.2m-830kc), 6-6:55 p. m., Ben's Little Symphony orchestra; 8-9, Eveready program, California male quartet; 9-10, Pilgrims.
KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert, 8-10, "Crater Lake National Park." R. W. Price; 10-12, Herman Kenin's dance orchestra; Curt Kramer, pianist.
KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., weekly visit, Queen Titania and the Sandman; 8-10, varied musical program; 10-11, L. A. Ry. dance orchestra.
KNX, Hollywood, Calif. (336.9m-890kc), 7-7:45 p. m., program, John A. Vaughn corp.; 7:45, health talk; 8-9, Builder's Finance ass'n program, 9-10, Western Auto Supply company program; 10-11, Edgewater club, 11-1 a. m., Ambassador hotel dance orchestra.
KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7 p. m., States restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel orchestra; 8-9, studio program, 9-10, Gypsy and Marta; 10-11, orchestra.
KPSN, Pasadena, Calif. (315.6m-950kc), 8-9 p. m., Star-News concert hour, Adolf Tandler ensemble, George Frenger, tenor.

FARMERS' PROGRAM INDEX

Farmer Dinner Concerts

Daily Except Sunday

CENTRAL TIME
KFNF, 12:15-1:35 p. m.
KMA, 11:30-12:30
KSO, 12:30-1:30 p. m.

Sunday

Atlantic Eastern Central Mountain Pacific
4:30 p. m. 3:30 2:30 1:30 12:30
WFAA (475.9m-630kc), Sunday hour for farmers.

Monday

Atlantic Eastern Central Mountain Pacific
12 m. 11 10 9 8
KMMJ (228.9m-1310kc), Poultry talks.
2:30 p. m. 1:30 12:30 11:30 10:30
KMA (461.3m-650kc), Farm talk, Agricultural aid.
WMAQ (447.5m-670kc), Prairie Farmer farm talks.
2:45 1:45 12:45 11:45 10:45
WOI (270.1m-1110kc), Questions and answers on Horticulture.
8:45 7:45 6:45 5:45 4:45
WSM (282.8m-1060kc), Poultry talks.
9 8 7 6 5
WOS (440.9m-680kc), Livestock questions and answers.
9:30 8:30 7:30 6:30 5:30
WMC (499.7m-600kc), Farm talk.
10 9 8 7 6
KFNF (461.3m-650kc), Poultry talk.
10:30 9:30 8:30 7:30 6:30
WFAA (475.9m-630kc), Sears-Roebuck program.
12:05a.m. 11:05 10:05 9:05 8:05
KGO (361.2m-830kc), Agricultural Outlook.

Tuesday

Atlantic Eastern Central Mountain Pacific
12 m. 11 10 9 8
KMMJ (228.9m-1310kc), Poultry talks.
2:15 1:15 12:15 11:15 10:15
WCCO (416.4m-720kc), Farm program.
2:30 1:30 12:30 11:30 10:30
KMA (461.3m-650kc), Agricultural aid.
WMAQ (447.5m-670kc), Prairie Farmer farm talks.
2:45 1:45 12:45 11:45 10:45
WOI (270m-1110kc), "Animal Husbandry."
7:45 6:45 5:45 4:45 3:45
WGY (379.5m-790kc), Agricultural program.
9:33 8:33 7:33 6:33 5:33
KYW (535.4m-560kc), American Farm Bureau Federation.
10:30 9:30 8:30 7:30 6:30
KOA (322.4m-930kc), Farm question box.

Wednesday

Atlantic Eastern Central Mountain Pacific
1:45p.m. 12:45 11:45 10:45 9:45
WMAQ (447.5m-670kc), Prairie Farmer farm talks.
2:30 1:30 12:30 11:30 10:30
KMA (461.3m-650kc), Agricultural aid.
WFAA (475.9m-630kc), Sears-Roebuck Agricultural program.
2:45 1:45 12:45 11:45 10:45
WOI (270.1m-1110kc), Poultry husbandry.
9 8 7 6 5
WOS (440.9m-680kc), Evening market hour, poultry questions and answers.

Thursday

Atlantic Eastern Central Mountain Pacific
2:15p.m. 1:15 12:15 11:15 10:15
WOI (270m-1110kc), Farm crops.
2:30 1:30 12:30 11:30 10:30
KMA (461.3m-650kc), Agricultural aid.
WMAQ (447.5m-670kc), Prairie Farmer farm talks.
9:30 8:30 7:30 6:30 5:30
WOI (270m-1110kc), Talk.
9:33 8:33 7:33 6:33 5:33
KYW (535.4m-560kc), American Farm bureau.
10:30 9:30 8:30 7:30 6:30
KOA (322.4m-930kc), Farm question box.

Friday

Atlantic Eastern Central Mountain Pacific
2:15p.m. 1:15 12:15 11:15a.m. 10:15
WCCO (416.4m-720kc), Farmers' program.
2:30 1:30 12:30 11:30 10:30
KMA (461.3m-650kc), Agricultural aid.
WMAQ (447.5m-670kc), Prairie Farmer farm talks.
2:45 1:45 12:45 11:45 10:45
WOI (270m-1110kc), Agricultural Economics.
9 8 7 6 5
WOS (440.9m-680kc), Evening Market hour, Dairy questions and answers.
9:30 8:30 7:30 6:30 5:30
WOC (483.6m-620kc), Question box.

Saturday

Atlantic Eastern Central Mountain Pacific
2 p. m. 1 12 n. 11 10
KPRC (296.9m-1010kc), Farmers' educational and musical program.
2:15 1:15 12:15 11:15 10:15
KSO (241.8m-1240kc), Farm talk.
2:30 1:30 12:30 11:30 10:30
KMA (461.3m-650kc), Agricultural aid.
2:45 1:45 12:45 11:45 10:45
WOI (270m-1110kc), Soils, questions and answers.
9 8 7 6 5
KDKA (309.1m-970kc), Farm program.

Wednesday, August 18

Headliners Today

Atlantic Eastern Central Mountain Pacific
8:30 7:30 6:30 5:30 4:30
WJZ (454.3m-660kc), WGY (379.5m-790kc), New York Philharmonic symphony orchestra.
9 8 7 6 5
KDKA (309.1m-970kc), Allegro Mandolin sextet.
9:30 8:30 7:30 6:30 5:30
WLS (344.6m-870kc), U. of Chicago choir.
10 9 8 7 6
WEAF (491.5m-610kc), WRC (468.5m-640kc), WJAR (305.9m-980kc), WEEI (348.6m-860kc), WCAE (461.3m-650kc), WCSH (256.3m-1170kc), KSD (545.1m-550kc), "The Grand Duchess."

WCCO GIVES "SAYONARA" SONG CYCLE

Wednesday, August 18

10 9 8 7 6
WHO (526.3m-570kc), Winning fife and drum corps, Spanish War Veterans.
WCS ([illegible]m-[illegible]kc), Gondoliers.
11 10 9 8 7
WCCO (416.4m-720kc), Russian art troupe.
11:15 10:15 9:15 8:15 7:15
KOA (322.4m-930kc), 103d Division.

Wednesday, silent night for: CKAC, CKNC, CNRA, CNRC, CNRE, CNRM, CNRR, CNRT, CNRV, KFXF, KGO, KLDS, KMMJ, KOIL, KPSN, KTAB, KWWG, WABQ, WBAL, WBAP, WBBR, WCBD, WFAA, WGBF, WGBS, WGCP, WHAR, WIP, WJAZ, WMC, WOAW, WPG, WRC, WRR, WSUI.

Atlantic or Eastern Daylight Saving Time Stations

CNRO, Ottawa, Can. (434.5m-690kc), 8 p. m., Chateau Laurier concert orchestra; 9, orchestra; National Male quartet; Chateau Laurier dance orchestra.

WCAU, Philadelphia, Pa. (277.6m-1080kc, 7:30 p. m., recital; 8, Melrose concert quartet; 8:30, recital; 9:30, Senator Hassenpfeffer; 9:45, Frank Cook, old-time songs; 10, Artie Bittong's Cheer-up club.

WEAF, New York, N. Y. (491.5m-610kc), 6 p. m., dinner music; 7, United Synagogue of America; 7:30, U. S. Army band, WEEI, WTAG, WCAP, KSD, WJAR, WGR, WCAE, WWJ, WSAI; 8:30, Davis Saxophone octet, WOO, WJAR, WCAP, WCAE, WSAI, WFEI, WTAM, WTG; 9, Ipana Troubadours, WEEI, WCAP, WOO, WWJ, WLIB, WCCO, WOC, WGR, KSD; 9:30, South Sea Islanders, WEEI, WGR, WOO, WCAE, KSD, WTAG; 10, "Grand Duchess," light opera company, WCAP, WJAR, WEEI, WCAE, WCSH, KSD; 11-12, Pelham Heath Inn orchestra.

WEBJ, New York, N. Y. (272.8-1100kc), 8 p. m., Karl Weiss Peasant band; 8:45, Ben Ruty, Michael Saxon, guitar duets; 9, Len Saxon, tenor; 9:15, W. G. Rietz, songs; 9:30, Darling operatic quartet.

WEEI, Boston, Mass. (348.6m-860kc), 7:30 p. m., U. S. Army band, New York; 8:30, Davis' Saxophone octet; 9 m. Ipana troubadours; 9:30, South Sea Islanders; 10, musicale.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:45 p. m., Adelphia Roof Garden orchestra.

WGBS, New York, N. Y. (315.6m-950kc), 6 p. m., Uncle Geebee; 6:30, Fess Williams' Savoy dance orchestra.

WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Hotel Madison concert orchestra; 8, Imperial Imps; 8:30, Stadium Philharmonic concert; 10:20, Erva Giles, soprano; 10:30, Hotel Astor roof orchestra.

WLIT, Philadelphia, Pa. (394.5m-760kc), 8 p. m., Arcadia cafe concert orchestra; 8:30, Progress Paint co. entertainers; 9, E. A. White Radio hour; 10, Arcadia cafe dance orchestra.

WMAK, Buffalo, N. Y. (265.3m-1130kc), 7:30-8:15 p. m., Eastman theater, WGY; 8:15-9, musicale; 9-10, musicale, Pearce and Pearce.

WMCA, New York, N. Y. (340.7m-880kc), 6:30 p. m., Ernie Golden and his Hotel McAlpin orchestra; 7:30, Tappen's orchestra; 8, Monte Carlo by-the-Sea orchestra; 10:30, Colonial Inn orchestra; 11, Jack Denny's orchestra; 11:30, Club Brighton orchestra; 12 m., McAlpin entertainers.

WOR, Newark, N. J. (405.2m-740kc), 6:15, p. m., James Jacobs' Hotel Shelton ensemble; 6:45, Bill Wathey, sports; 7, Jacques Jacob's Hotel Shelton ensemble; 7:45, Spencer Armstrong, "Topics of the Day"; 8, Newark Philharmonic band; 9, French Line program; 9:45, Monterey Society orchestra; 10:30, special feature; 10:45, Monterey concert quintet; 11:15, Ben Bernie's Berkeley-Carteret orchestra.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Sylvania dance orchestra; 8:30, Davis' Saxophone octet; 9, Ipana Hour; 9:30, South Sea Islanders; 10, Fox theater concert; 10:30, Sam Brown's dance orchestra; 11, dance music.

Eastern Standard or Central Daylight Saving Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 6:40 p. m., Radio entertainment company; 7, Hermes-Grove playtime; 8, Allegro mandolin sextet.

PWX, Havana, Cuba. (399.8m-750kc), 8:30-11 p. m., military band music.

KYW, Chicago, Ill. (535.4m-560kc), 5:30 p. m., dinner concert; 6, Chicago Evening studio concert; 8-9:30, classical concert; 9:30-11, Congress Carnival.

WBBM, Chicago, Ill. (225.4m-1330kc), 5:15-6 p. m., recital; Eddie Hanson, organist; 9-10, Harmony Time, male artists; 12, The Nutty club.

WBZ, Springfield, Mass. (333.1m-900kc), 6 p. m., Jack Nelson's Musical Mirth Makers; 7:30, Radio dance league; 8, Barnstormers; 8, Hotel Westminster orchestra; 9, Albert D. Edwards, baritone; Florence V. Horahan, soprano; 9:30, Eliot malte [illegible].

WGHB, Clearwater, Fla. (265.3m-1130kc), 8:30-10 [illegible]; Mrs. Charlie A. Waller; Bob Houts, baritone.

WGHP, Detroit, Mich. (270m-1110kc), 6 p. m., dinner [illegible] Hotel Tuller; 8:30-9, Campers' half [illegible]; 9-10, WGHP ensemble and soloists.

WGN, Chicago, Ill. (302.8m-990kc), 6:15 p. m., Uncle Walt; 6:45, Drake concert ensemble, Blackstone [illegible]; 8:20-45, Tripoli trio; 8:45-10, Jewish News entertainment; 10:10, Music Box; [illegible] program; 10:30, Party.

WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., [illegible] theater orchestra; 7:30, New York Philharmonic symphony orchestra.

WHT, Chicago, Ill. (399.8m-750kc), Al Carney, organist; Peacock Melody Masters; 8:45-10:15, [illegible]; Helen Rauh, organist; Stuart Dawson; [illegible] (399.8m-750kc), Al and Pat; Riverview [illegible].

WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., [illegible]; 10-12, popular program.

WJAZ, Chicago, Ill. (329.5m-910kc), 9-12 mid., Club Chez Pierre, Earl Hoffman's Chez Pierre orchestra; [illegible] Alexander Nakutin studio; program [illegible] Harold B. Macalay.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Jean Goldkette Detroit symphony orchestra; 7:45, Good Will Court; 8, Detroit symphony orchestra; 11, Brooks Brothers, organists; 12, Merry Old Chief, Happy Hoot Hooter.

WKRC, Cincinnati, Ohio. (422.3m-710kc), 6 p. m., Ben Bernie's Garden of Allah orchestra; 8:15, [illegible]; 9, Eveready hour; 12, Lookout House orchestra.

WLIB, Chicago, Ill. (302.8m-990kc), 7 p. m., Million [illegible]; 7:05, Old Fashioned Almanack; 7:15, dinner [illegible]; 7:45, Patricia Cairo, baritone; Edward Burns, tenor; 7:55, Amos and Sandy; 8, WLAF; 12:30-1, [illegible] Lasser, organist.

WLS, Chicago, Ill. (344.6m-870kc), 6:30 p. m., Al [illegible]; 6:45, College Inn orchestra; 7:05, Rose Sherman, violinist; Marie Ludwig, harpist; 7:30, Ralph Emerson, organist; 8:10, College Inn orchestra; 8:20, U. of Chicago choir; 8:45, WLS Barn dance; 9, WLS trio; 9:30, Harmony team; 9:45, Rose Sherman's College Inn orchestra; 10, popular [illegible] program.

WLW, Cincinnati, Ohio. (422.3m-710kc), 7 p. m., Hotel Gibson orchestra; 7:40, "Ohio" New Wheat Crop; 8, Sun Maids; 10, "Pink of Programs;" 11, Fiesta Band [illegible] program.

WMAQ, Chicago, Ill. (447.5m-670kc), 6:50 p. m., Jack Chapman's orchestra; 7:30, Whitney trio; 9, Hope Ingersoll, pianist; 9:30, Jack Chapman's orchestra.

WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9 p. m., Howard Paul, Mable Marcus, Helen Neuman, [illegible] Hadley, Josh Glazer, Pearl Kaufman, Sid Gilbert, Palmola Gardens orchestra; Van Wyck's [illegible] quartet; 10:45, Paul Estabrook.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Gardens orchestra; William Matti, baritone; Henry Weise, violinist; 10-2, First National violin quartet; Sophia Kasmir; Lamb Sisters; Jerry Derr, tenor; Joe Warner; Joe Verges; Flo and Ray.

WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., Dinner hour of music; Gold standard ensemble; Speed-Wagon serenaders.

WRVA, Richmond, Va. (256.3m-1170kc), 8:45 p. m., piano recital; 9:10, hymns in song and story, Holland Wilkinson; 9:45, Hamilton M. Baskerville.

WSAI, Cincinnati, Ohio (325.9m-920kc), 7 p. m., WEAF.

WSWS, Chicago, Ill. (275.8m-1090kc), 8-9 p. m., Zola Haynes; Hugh Aspinwall, readings; Georgia Gray; Terrace Garden orchestra, Henri Therrien, tenor; Eleanor Wendt, soprano; 10-11, Hugh Aspinwall, Georgia Gray, violinist; Jack Goodwin; 12-1, Witching Hour.

WTAM, Cleveland, Ohio (389.4m-770kc), 6:15 p. m., Hotel Cleveland orchestra; 7:30, Davis Saxophone octette from WEAF; 8, Public Auditorium program from Blue room; 11, Jack Horwitz collegian serenaders from Far East restaurant.

WTIC, Hartford, Conn. (475.9m-630kc), 7:30 p. m., Bill Jones Capitol theater orchestra; 8, Travelers Jongleurs and Unknown Troubadour; 9, Colt Park municipal dance orchestra; 9:30, Hotel Bond dance orchestra.

WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7, WEAF; 7:30, Detroit News orchestra; 8, WEAF; 8:30, Detroit News orchestra.

Thursday, August 19

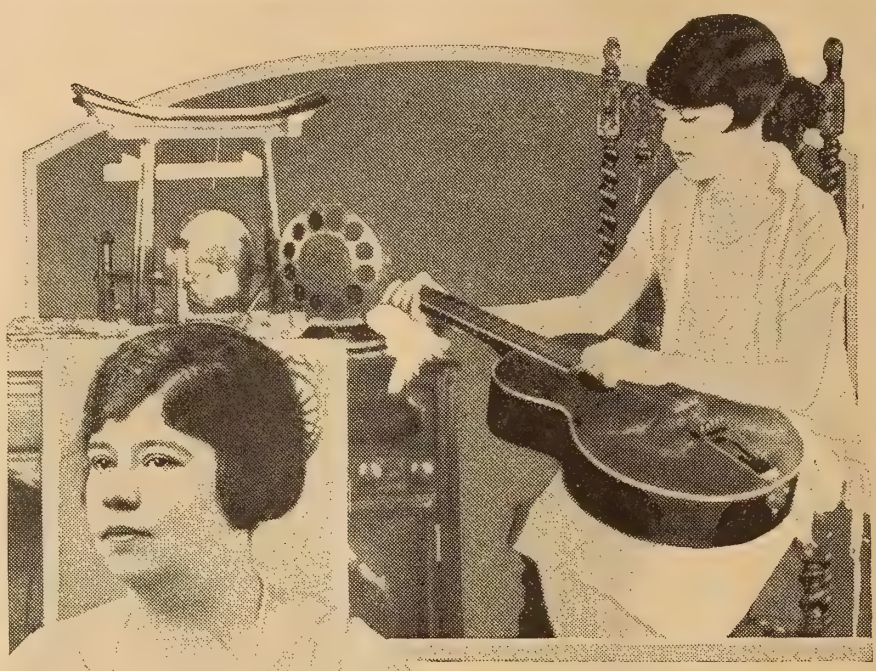
Headliners Today

Atlantic Eastern Central Mountain Pacific
9 8 7 6 5
KDKA (309.1m-970kc), "On the Boardwalk, Atlantic City."
9:15 8:15 7:15 6:15 5:15
WRVA (256m-1170kc), Grotto band.
10:30 9:30 8:30 7:30 6:30
WHAD (275m-1090kc), Milwaukee Tour club.
WOAI (394.5m-760kc), Mistletoe Melody Maids.
11 10 9 8 7
WGY (379.5m-790kc), Harmony Twins.
WQJ (447.5m-670kc), Sylvian Four.

Thursday, silent night for: CKNC, CNRA, CNRE, CNRO, CNRR, CNRT, CNRV, CNRW, KFAB, KFH, KFOA, KFUO, KMOX, KOA, KOB, WAHG, WAMD, WCAP, WEAO, WEBJ, WGBF, WHAD, WMAK, WOOD, WOR, WOS, WSM, WSUI, WTAM.

Atlantic or Eastern Daylight Saving Time Stations

CKNC, Toronto, Can. (356.9m-840kc), 8 p. m., Charles E. Bodley and his dance orchestra; CKNC male quartet.



"The Virginia Girl" and her Spanish guitar appear regularly at WGHB, Clearwater, Florida. Her real name is Caroline Lee. Mabel King, left, is a contralto who entertains at KDKA.

Central Standard Time Stations

KFAB, Omaha, Nebr. (340.7m-880kc), 8:30-10:30 p. m., old time tune night.

KFNF, Shenandoah, Ia. (461.3m-650kc), 7 p. m., concert.

KMA, Shenandoah, Ia. (461.3m-650kc), 9-11 p. m., mixed musical program.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10-10 p. m., Southern ballads, folk songs, New Arlington hotel orchestra; John G. Heyn, pianist.

WAMD, Minneapolis, Minn. (244m-1230kc), 7:15 p. m., James Rhodes Harper, violinist; Helen Kykendall, soprano; Grace Robertson Heising, pianist; 8, "Korea," G. L. Morrill; 10, Gould Banjo club; 11, Skyrocket frolic.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 7 p. m., WEAF; 7:30, Radio Scouts' hour; 8, St. Paul's Norwegian Lutheran church; 9, Russian Art Troupe and orchestra.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., Charlie Straight's Brunswick recording orchestra; 8-9, Charlie Straight's Brunswick recording orchestra; 11:45-1 a. m., WDAF Plantation Grill studio.

WHAD, Milwaukee, Wis. (275.1m-1090kc), 6:10 p. m., Wisconsin theater organ recital; 8, band concert; 11:30, organ recital.

WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., Joe Hillebrand and his orchestra.

WHO, Des Moines, Ia. (526m-570kc), 6-7 p. m., Bankers Life Little symphony orchestra; Myrtle Williams, soprano; 7-8, Paul Christianson's Hotel Fort Des Moines orchestra; 8-9:30, Four Horsemen; Winning Fife and Drum corps, Spanish War Veterans contest.

WOC, Davenport, Ia. (483.6m-620kc), 7-7:30 p. m., WEAF; 9:30-10:30, Erwin Swindell, organist.

WOS, Jefferson City, Mo. (440.9m-680kc), 8 p. m., Gondoliers.

WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., Andrew Jackson hotel trio; 8, Frances Villines, pianist; 10, studio program.

Mountain Standard Time Stations

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra; 7:30, Wynken, Blynken and Nod; 8, Scheuerman's Colorado orchestra; 8:15, 103rd Division, U. S. army.

Pacific Standard Time Stations

CNRV, Vancouver, Can. (291m-1030kc), 10-11 p. m., Cabaret Belmont orchestra.

KFI, Los Angeles, Calif. (467m-642kc), 7-7:30 p. m., Westerland trio; 7:30, Nick Harris detective story; 8-9, program, California Petroleum corp.; 9-10, Varied program; 10-11, Chas. Beauchamp, tenor and others.

KFWB, Hollywood, Calif. (252m-1190kc), 7-8 p. m., program, Corduroy Tire Stores, Inc.; 8-9, program, Music Arts building; 9-10, Warner Brothers Syncopators; 10-11, Warner Brothers frolic.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-9, concert.

KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., children's hour with Uncle John; 8-10, news items and de luxe musical program; 10-11, Jerry Grant's Elite dance orchestra.

KNX, Hollywood, Calif. (336.9m-890kc), 7-8 p. m., program, Security Trust and Savings bank; 8-9, Stewart-Warner dealers program; 9-10, program, El Serreno Country club; 10-11, Edgewater club dance orchestra; 11-12, Ambassador hotel dance orchestra.

KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7 p. m., States Restaurant orchestra; 7-7:30, Rudy Seeger's Fairmont hotel orchestra; 7:30-9, program, Atwater Kent artists; 9-10, Clift hotel dance orchestra; 10-11, States Restaurant orchestra.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:30 p. m., Cathay dance orchestra; 7:30, Snellenburg symphony orchestra; 8, recital; 8:15, Josh Saddlers orchestra; 8:45, Getz Go-getters; 9, The Unknown Tenor; 9:30, The Musical Chefs; 9:45, Professor Doolittle; 10, recital; 10:15, Miriam Cohen, violinist; 10:30, Odd Fellows' male quartet.

KEAF, New York, N. Y. (491.5m-610kc), 4-12 mid., tea music, mid-week hymn sing; Meyer Davis' Park Lane orchestra; serenaders; Clicquot Club Eskimos; Silvertown Cord orchestra; Greenwich Village Inn orchestra.

WEEI, Boston, Mass. (348.6m-860kc), 8 p. m., The Serenaders, New York; 8:30, orchestral recital, New York; 9, WEAF.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:45 p. m., Adelphia Roof Garden orchestra; 8, The Serenaders; 8:30, orchestral concert; 9, Clicquot Club Eskimos; 10, Silvertown Cord orchestra.

WGBS, New York, N. Y. (315.6m-950kc), 6 p. m., Uncle Geebee; 6:30, Vincent Sorey concert trio; 7:20, Sorey trio; 7:30, "The Independent," What the World is Doing; 8, George Hall and his Royal Arcadians; 8:45, music; 10, George Hall and his Royal Arcadians.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 7, Uncle Wip's bedtime stories; 8, concert Sesquicentennial; 9, Hotel Traymore concert orchestra; 9:30, Hotel Ambassador concert orchestra; 10, Steeplechase Pier dance orchestra; 10:30, George Olson's dance orchestra; 11, Fry's dance orchestra; 11:30, Silver Slipper Supper club dance orchestra; 12, organ recital, Jean Weiner.

WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Hotel Madison concert orchestra; 7:40, Judge, Jr.; 7:55, United Press sporting news; 8, Voice of the Silent Drama, "Duchess of Buffalo," WRC; 8:30, U. S. Marine band from WRC, WGY, WBZ; 9:30, Royal Typewriter Salon orchestra, WGY, WRC; 10:30, The Fireside Boys, WRC, WBZ.

WMCA, New York, N. Y. (340.7m-880kc), 7 p. m., Monte Carlo by-the-Sea orchestra; 8, Roemer's Homers; 9, Solow Soloists; 9:30, Columbia Park entertainers; 10, Shelburne Hotel orchestra; 10:30, Colonial Inn orchestra; 11, Ernie Golden and his Hotel McAlpin orchestra; 12 m., McAlpin entertainers.

WOR, Newark, N. J. (405.2m-740kc), 6:15 p. m., Jacques Jacobs' Hotel Shelton ensemble; 6:45, Bill Wathey, sports; 7, Jacques Jacobs' Hotel Shelton ensemble; 7:30, Oreste's Queensland orchestra; 8:15, Vanderbilt Hotel orchestra; 9, Arthur Pryor's band; 9:45, studio program; 10, Chateau Baltuerol orchestra.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Hotel Sylvania dance orchestra.

Eastern Standard or Central Daylight Saving Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 8 p. m., "On the Boardwalk, Atlantic City," symphony players; 10:15, Flotilla club.

KYW, Chicago, Ill. (535.4m-560kc), 6 p. m., music hour, Chicago Evening American [illegible]; 7, Twenty Minutes of Good Reading, Rev. C. [illegible]; 7:30-8, musicale; 9:30, classical; 9:30-11, [illegible] Carnival.

WBAL, Baltimore, Md. (245.8m-1[illegible]), 6:30-7:30 p. m., WBAL dinner orchestra; 7:30-8, WBAL mixed quartet; 8-9, WBAL trio; John Wilburn, tenor; 9-10, WBAL dance orchestra.

WBBM, Chicago, Ill. (225.4m-1330kc), 5:15-6 p. m., recital, Eddie Hanson, organist; 8-9:30, classical program; 9:30-10:15, moss-covered melodies; 10:15-10:30, The Izaak Walton hour; 10:30-11:30, Vic Fredericks, baritone, Maurice Silverman, tenor, and staff artists; 11:30-12, the Supper club.

WBZ, Springfield, Mass. (333.1m-900kc), 6 p. m., Hotel Kimball trio; 6:33, Hotel Lenox ensemble; 7:30, U. S. Marine band; 8:30, Mina Del Castillo, pianist; 9, Corriene Wagoner, violinist; 9:30, Fireside Boys.

WCX, Detroit, Mich. (516.9m-580kc), 6 p. m., dinner program, Goldkette ensemble; 8, Detroit symphony orchestra.

WGHP, Detroit, Mich. (270m-1110kc), 6 p. m., dinner concert from Hotel Tuller; 10-11, WGHP frolickers; 11-12, Skylark dance band and soloists.

WGN, Chicago, Ill. (302.8m-990kc), 6:15 p. m., Uncle Walt; 6:45, Drake concert ensemble; Blackstone string quintet; 8-9, WEAF; 10, Sam 'n Henry; 10:10 Music Box; 10:20, WGN studio ensemble.

WGY, Schenectady, N. Y. (379.5m-790kc), 6:45 p. m., Gertrude Winkler, pianist; 7:30, WRC; 8:30, WJZ; 9:30, Francis Jones, violinist; 10, Harmony Twins; 10:30, Stephen E. Boisclair, organist.

WHT, Chicago, Ill. (399.8m-750kc), 7-8:30 p. m., Al Carney, organist; 8:45 (238m-1260kc), Helen Rauh, organist; Stuart Dawson, poems; 10:30-1 (399.8m-750kc), Al Carney, organist; Billy Alan Huff, popular songs; Little Joe Warner, character songs; Al and Pat.

WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., dinner concert; 10-12, midnight jamboree.

WJAZ, Chicago, Ill. (329.5m-910kc), 9-12 mid., Club Chez Pierre, Earl Hoffman's Chez Pierre orchestra; Henrietta Nolan, violinist; Harold Flamm, baritone; Jacob Hannemann, pianist.

WJAR, Detroit, Mich. (516.9m-580kc), 7 p. m., Jean Goldkette's Petite symphony orchestra; 7:30, Ide and Meginnity; 8, Detroit symphony orchestra.

WKRC, Cincinnati, Ohio (422.3m-710kc), 8 p. m., Swiss Garden frolic; 8:30, popular songs, Merrell Schwarz, Bert Lindsay, Kern Aylward, Abe Farb.

WLIB, Chicago, Ill. (302.8m-990kc), 7 p. m., Millionssing; 7:05, Old Fashioned Almanack; 7:15, dinner music; 11-11:20, Correll and Gosden; 11:20-1, Ambrose Larsen, organist; Drake hotel dance orchestra; Liberty studio ensemble.

WLS, Chicago, Ill. (344.6m-870kc), 6:30 p. m., Al Melgard, organist; 6:45, College Inn orchestra; 7:20, Rose Sherman, violinist; Marie Ludwig, harpist; 7:30, Ralph Emerson, organist; 8:10, College Inn orchestra; 8:20, vocal music; 8:30, Music Moods, Donald F. Malin.

WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., Hotel Gibson orchestra; 10, Castle Farmers; 10:20, Al Kirschner, Pep Golden; 10:40, Irene Downing, Sentimental Tommy Reynolds; 11, Castle Farmers; 12:15, Crosley Sky-terriers.

WMAQ, Chicago, Ill. (447.5m-670kc), 6:30 p. m., Jack Chapman's orchestra; 6:45, swimming lesson; 8, Jack Chapman's orchestra; 8:30, Maren Johansen, soprano; 9, Marion and Stella Roberts; 9:30, Jack Chapman's orchestra; 9:45, Burpan Homes.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., R. G. Ball, baritone; Crystal Eaton Taylor, soprano; Earle Raymond Bigelow, pianist; 10-2, Sylvian Four; Harry Geise; Little Marie Wright; Goldie Gordon, violinist; Rosemary Hughes, soprano.

WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., Dinner hour of music, Speed-wagon serenaders, Gold Standard ensemble. 8:15-9:45, WREO concert orchestra and vocal solos.

WRVA, Richmond, Va. (256.3m-1170kc), 8:45 p. m., chimes, St. James Episcopal church; 9:15, Grotto band.

WSAI, Cincinnati, Ohio (325.9m-920kc), 7 p. m., WEAF.

WSWS, Chicago, Ill. (275.8m-1090kc), 7-8 p. m., Henri Therrien, Oscar Heather, tenor; Leola Aikman, soprano; Terrace Garden orchestra, Georgia Gray, violinist; Zola Haynes, pianist; 10-11, Billy Schaefer, Georgia Gray, Hugh Aspinwall, Clarence Clausen, ballads; Terrace Garden orchestra, Lurah W. Lynch, soprano; Art Billquist, baritone; Ruby Rossina, blues; Clark's Hawaiian quartet; 12, 1, Witching hour.

WTAM, Cleveland, Ohio (389.4m-770kc), 6 p. m., Hollenden Hotel orchestra; 7:30, Studio orchestra from WEAF; 8, Clicquot Club Eskimos from WEAF; 9, studio program; 11, Emerson Gill and his Bamboo Garden orchestra.

WTIC, Hartford, Conn. (475.9m-630kc), 7:30 p. m., lecture-recital, Lloyd Stoneman; 8, For-an-to Melody Makers; 9, Colt Park Municipal dance orchestra; 9:30, Hotel Bond dance orchestra.

Central Standard Time Stations

CKY, Winnipeg, Can. (384.4m-780kc), 9-10 p. m., John Harper and his orchestra.

KFNF, Shenandoah, Ia. (461.3m-650kc), 7 p. m., Loyal Friend S. S. class.

KLDS, Independence, Mo. (440.9m-680kc), 8 p. m., Arthur D. Young, baritone, Lillian Evans, contralto; Lyra Ferguson, reader; Norma Troje Miller, violinist; Paul Johnson, tenor; Marian Morast, soprano; Mrs. Edith Hon, pianist; Parri Brothers, Hawaiian music.

KOIL, Council Bluffs, Iowa. (305.9m-980kc), 6 p. m., program, May Seed and Nursery company; 7, Albert Newquist; 8, Lion's club program.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10-9:30 p. m., opera themes, Lawson Reid; 9:30-10, varied program, KTHS staff artists.

WBAP, Fort Worth, Tex. (475.9m-630kc), 7:30-8:30 p. m., musicale, Trinity Park; 9:30-11, Bob Sweeney, A. P. Holbrook; 11-12, Will Foster, organist.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., address, Louis Mecker; Jack Riley's orchestra; 11:45-1, Charlie Straight's Brunswick recording orchestra; Earl Coleman's orchestra; Harry Frank, organist.

WFAA, Dallas, Tex. (475.9m-630kc), 6:30-7:30 p. m., Jimmy Joy's Baker hotel orchestra; 8:30-9:30, G. Haydn Jones, tenor.

WHAD, Milwaukee, Wis. (275.1m-1090kc), 6:10 p. m., dinner hour program, orchestral selections; 8:30, classical studio program.

WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., Virginia Vetter's entertainers.

WHO, Des Moines, Ia. (526m-570kc), 7:30-8 p. m., Philbreck and his Younker tea-room orchestra; 8-9, Bankers' Life trio; Stewart Watson, baritone.

WOAI, San Antonio, Tex. (394.5m-760kc), 8:30 p. m., Mistletoe Melody Maids.

WOAW, Omaha, Nebr. (526m-570kc), 6:50 p. m., orchestra; 9, Sunshine program.

WOC, Davenport, Ia. (483.6m-620kc), 6-6:30 p. m., WEAF; 7-8, WEAF; 8-9, WEAF; 9-9:30, Moline Plowboys.

WOI, Ames, Ia. (270.1m-1110kc), 7:30 p. m., "Chemistry as a Factor in Education and Industry," Prof. W. F. Coover; 7:45, farm program.

WSOE, Milwaukee, Wis. (245.8m-1220kc), 8 p. m., Bible class; 9, old fashioned musicale.

Mountain Standard Time Stations

CNRC, Calgary, Can. (435.8m-688kc), 9:30 p. m., Little Symphony orchestra.

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra.

Pacific Standard Time Stations

CNRV, Vancouver, Can. (291m-1030kc), 10-11 p. m., Cabaret Belmont orchestra.

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Radio Boys' orchestra; Geo. O'Hara and uke; 8-9, KFI drama hour; 9-10, program of classical music; 10-11, Patrick-Marsh dance orchestra, Betty Patrick, soloist.

KFWB, Hollywood, Calif. (252m-1190kc), 8-9 p. m., program, McGavin Bros. bakeries; 9-10, program, Chapman's Ice Creams; 10-11, Warner Brothers frolic.

KGO, Oakland, Calif. (361.2m-830kc), 8-9 p. m., vacation program; Ruth Linrude, soprano; Harmony Hic Parker; Fishin' Jim Pike; WOW male trio; 9-12, Phil Lampkin's Musical Bears.

KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., Uncle John and the children; 8-10, Zoellner string quartet; Harriet Andrews, soprano; 10-11, Heffner's Sunnyland Seven.

KNX, Hollywood, Calif. (336.9m-890kc), 7-8 p. m., Carhay Circle theater organ; 8-9, program, Rigali and Veselich; 9-10, studio program; 10-11, Edgewater club dance orchestra; 11-12, Ambassador hotel dance orchestra.

KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7 p. m., States Restaurant orchestra; 7-7:30, Fairmont hotel orchestra; 8-9, studio program; 9-10, Kane's Hawaiians; 10-11, Mandarin Cafe dance orchestra.

ROMANTIC MUSIC OF INDIA AT CNRM

Friday, August 20

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
7:45	6:45	5:45	4:45	3:45

WTIC (475.9m-630kc), "Little Johnnie Sees the Judge."

8	7	6	5	4

WEEI (348.6m-860kc), Patrick Gaffney, fiddler.

8:30	7:30	6:30	5:30	4:30

WBAL (245.8m-1220kc), WBAL jubilee singers.

9:30	8:30	7:30	6:30	5:30

WMAQ (447.5m-670kc), Whitney trio.

10:30	9:30	8:30	7:30	6:30

WCCO (416.4m-720kc), Cumberland Boys' band.
WLS (344.6m-870kc), Silvertone artists series.

Friday, silent night for: CFAC, CKAC, CKNC, CKY, CNRC, CNRM, CNRO, CNRR, CNRW, KFXF, KLDS, KPRC, KPSN, KWWG, WBBR, WCAD, WCBD, WGBS, WIP, WJAZ, WKRC, WLIT, WLW, WLWL, WOR, WRC, WREO, WRVA, WSAI, WSMB, WSUI, WTAM.

Atlantic or Eastern Daylight Saving Time Stations

CNRA, Moncton, Can. (322.4m-930kc), 9 p. m., Nova Scotia Provincial exhibition concert troop; 11, orchestra.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30 p. m., recital, N. Snellenburg and co.; 8, Barry O'Moore, Irish tenor; 8:30, The Singing Groundhog; 8:45, Miss Bambina, piano accordionist; 9, Regina Crooners; 9:15, Nasco Jolly Four; 9:45, Willie Pierce, songs; 10, Jack Myers' Musical Architects.

WEAF, New York, N. Y. (491.5m-610kc), 4-12 midnight, May Singhi Breen, banjoist; Peter De Rose, pianist; Wandering Musicians; Mabelanna Corby program; La France orchestra; Whittall Anglo-Persians; Pelham Heath Inn orchestra.

WEBJ, New York, N. Y. (272.6m-1100kc), 7 p. m., Al Becker, banjoist; 7:15, Sigmund Brunislav, tenor; 7:30, Knickerbocker Grill orchestra; 8 p. m., Jack Gaul, pianist; 8:15, Kathryn Connolly, soprano; 8:30, Luna's Marine band.

WEEI, Boston, Mass. (348-6m-860kc), 7:30 p. m., Whiting's four merry milkmen; 8, Patrick Gaffney, fiddler, Susan Peters, accompanist; 8:15, musicale; 8:30, Neapolitan girls quintette; 9, La France orchestra, New York; 9:30, musicale; 10, Whittall Anglo-Persians, New York; 10:30, Ed Andrews' Nautical dance orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 7, Uncle Wip's bedtime stories.

WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Geo. Olsen's Hotel Pennsylvania orchestra; 8, West Point Thayer Hotel program; 8:30, May Singhi Breen, Peter de Rose, Four Jack Roses; 9, Sundial Shoe Serenaders, Bonnie Laddies; 10, Maurice Leest string trio; 10:30, Hotel Belleclaire Tower orchestra.

WLIT, Philadelphia, Pa. (394.5m-760kc), 7:30 p. m., Dream Daddy's bedtime stories; 8, Arcadia cafe concert orchestra; 8:15, Patterson Banjo boys; 9, Schickerling artists; 10, Morning Glory club concert; 10:30, Rufus and Rastus; 11, Freshman Masterpiece Radio hour.

WMAK, Buffalo, N. Y. (265.3m-1130kc), 7:30-8:15 p. m., WGY orchestra; 8:15-10:30, WGY players.

WMCA, New York, N. Y. (340.7m-880kc), 6:30 p. m., Ernie Golden and his Hotel McAlpin orchestra; 7:30, Monte Carlo by-the-Sea orchestra; 8, Midland beach orchestra; 9, Paul Whiteman's Picadilly Players; 9:30, Klein's Serenading Shoemakers; 10, Colonial Inn orchestra; 11, Jack Denny's orchestra; 11:30, Club Brighton orchestra; 12 m., McAlpin entertainers.

WOR, Newark, N. J. (405.2m-740kc), 6:20 p. m., Bill Wathey, sports; 6:35, Hotel Bretton Hall string quartet; 7:30, Crystal Palace orchestra; 8:30, Donald H. Baker, organ recital; 10:15, Ritz-Carlton dance orchestra.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Hotel Sylvania dance orchestra; 9, WEAF; 10:30, Sam Brown's orchestra.

Eastern Standard or Central Daylight Saving Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 8 p. m., Westinghouse band; Grace Elcote, soprano; Marie Beals Vance, contralto.

KYW, Chicago, Ill. (535.4m-560kc), 5:30 p. m., dinner music; 6, Chicago Evening American; 7, Federal Master artists; 9:30-11, Congress carnival.

WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., WBAL dinner orchestra; 7:30-8, WBAL Jubilee singers; 8-9, musical program; 9-10, Municipal band of Baltimore.

WBBM, Chicago, Ill. (225.4m-1330kc), 5:15-6 p. m., Eddie Hanson, organist; 9-10, Harmony Time and staff artists.

WBZ, Springfield, Mass. (333.1m-900kc), 6 p. m., Hotel Lenox ensemble; 6:33, Hotel Kimball trio; 8, Helen Bressen, ukulele program; 8:15, Irene Simpson Rommel, pianist; 8:30, Wanderers; 9, Julia Cullinane, saxophonist; George Seaberg; banjo-mandolin; Anne Cullinane, accompanist; 9:30, Hotel Brunswick orchestra.

WCX, Detroit, Mich. (516.9m-580kc), 6 p. m., Goldkette ensemble; 8, Detroit symphony orchestra; 10, dance music.

WGHB, Clearwater, Fla. (265.3m-1130kc), 8:30-10 p. m., Frederick Hubbard, organist; Mrs. Ethel Morand Weber, soprano; Mrs. Maude Sheridan, contralto.

WGHP, Detroit, Mich. (270m-1110kc), 6 p. m., dinner concert from Hotel Tuller; 10-11, WGHP entertainers; 11-12, Skylark dance band and soloists.

WGN, Chicago, Ill. (302.8m-990kc), 6:15 p. m., Uncle Walt; 6:45, Drake concert ensemble, Blackstone string quintet; 7, Million sing; 7:05, Old Fashioned Almanack; 7:15, Paul Ash; 8-9, music; 9, WEAF; 9:30, Phantom Violin; 10, Sam 'n' Henry; 10:10, Music Box; 10:22, WGN studio ensemble.

WGY, Schenectady, N. Y. (379.5m-790kc), 6 p. m., Hotel Van Curler; 6:35, Stanley Lansing, pianist; 6:45, Remington Typewriter band; 7:45, Stanley Lansing, pianist; 8, Pittsfield Mass. artists; 9:30, Midnight Son's orchestra.

WHT, Chicago, Ill. (399.8m-750kc), 7-8:30 p. m., Al Carney, organist; Pat Barnes; 8:45-10:15 (238m-1260kc), Helen Rauh, organist; Stuart Dawson, poems; 10-1 (399.8m-750kc), Al Carney, organist; Rita McFaun, soprano; Oscar Heather, tenor; Rita McFaun, soprano; Al and Pat.

WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., Early evening musicale; 10-12, Popular program.

WJAZ, Chicago, Ill. (329.5m-910kc), 9-12 mid., Club Chez Pierre, Earl Hoffman's Chez Pierre orchestra; The Quips that Pass in the Night; Walter Levis, baritone; Eulalie Kober, pianist.

WJR, Detroit, Mich. (516.9m-580kc), 7 p. m., Jean Goldkette's Petite symphony orchestra; 7:30, Grenan Protectors; 8, Detroit symphony orchestra.

WLIB, Chicago, Ill. (302.8m-990kc), 11 p. m., songs, Correll and Gosden; 11:20-1, Ambrose Larsen, organist; Drake hotel dance orchestra; Liberty studio ensemble.

WLS, Chicago, Ill. (344.6m-870kc), 6:30 p. m., Al Melgard, organist; 6:45, College Inn orchestra; 7:20, Rose Sherman, violinist; Marie Ludwig, harpist; 9, Silvertone artists series, Glenn Drake, tenor; Charles Lurvey, pianist; 10:30, Medicine show; 11, Ralph Emerson, organist.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 8, George Simons, tenor; 8:30, Whitney trio; 9, Emerson Abernethy, baritone; 9:30, Olga Sandor, pianist.

WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9 p. m., Van Wyck's instrumental quartet; 10:10, Ramona Radio revelry; orchestra.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Gardens orchestra; Otto Moore, baritone; Henrietta Nolan, violinist; Marjory Worthington, soprano; 10-2, Dr. H. Lucille Long; Flo and Ray; Romo Vincent; Muriel Olsen; Clarence Claussen, tenor; Frank Blasco, tenor; Lauretta Giles, soprano; Harry Brooker, baritone.

WREO, Lansing Mich. (285.5m-1050kc), 6-7 p. m., dinner hour of music; Gold standard ensemble Speed-wagon serenaders.

WRVA, Richmond, Va. (256.3m-1170kc), 7 p. m., Golden Gate syncopators; 8:15, vocal and piano recital; 8:45, chimes; 9, Double male quartet; 10, Golden Gate syncopators.

WSWS, Chicago, Ill. (275.8m-1090kc), 8-9 p. m., Henri Therrien, Hugh Aspinwall, readings; Georgia Gray, violinist; Terrace Garden orchestra, Matthews sisters, harmony; Carol Schaus, pianist; 10-11, Hugh Aspinwall, Georgia Gray, Sid Pierson, popular songs; Terrace Garden orchestra; Ruth Boutay, blues; Zola Haynes, pianist; 12-1, Witching hour.

WTAM, Cleveland, Ohio (389.4m-770kc), 6:30 p. m., Emerson Gill and his Bamboo Garden orchestra; 8, Frank R. Wilson's Euclid beach park orchestra; 9, Whitall's Anglo-Persians from WEAF; 9:30, studio program; 11, Jack Horwitz Collegian serenaders from Far East restaurant.

WTIC, Hartford, Conn. (475.9m-630kc), 7 p. m., Laura C. Gaudet, pianist; 7:15, Fiddle and Bee; 7:30, Norm Cloutier's orchestra; 9, Valconian orchestra; 9:30, WTIC's Mail bag; 9:45, Debutantes.

WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 8, Detroit News orchestra; 9, WEAF.

KFAB, Lincoln, Nebr. (340.7m-880kc), 8:30-10:30 p. m., Out-of-town program.

Central Standard Time Stations

KFNF, Shenandoah, Ia. (461.3m-650kc), 7:30 p. m., Widney Sisters.

KMA, Shenandoah, Ia. (461.3m-650kc), 9-11 p. m., mixed musical program.

The Chicago Concert company frequently visits the studio of WHAD, Milwaukee. They are shown here entertaining. To the right is Ethel Waring Backsu, a soprano well known and liked at WMC.

KOIL, Council Bluffs, Iowa. (305.9m-980kc), 7:30 p. m., Dorothy Steinbaug's program; 8:30, Jack and Jill.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc) 9:10-9:30 p. m., Lon Chassy, violinist; 9:30-9:45, Mrs. Charles Caldwell, contralto; 9:45-10:15, Ray Mullins orchestra.

WBAP, Fort Worth, Tex. (475.9m-630kc), 7:30-8:30 p. m., Velma Dean, blues singer; Allene Hoffman, pianist; 9:40-11, Artie Collins dance orchestra.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6:15 p. m., Great Northern Railway band; 8, WEAF; 8:30, Cumberland Boys' band; 10:05, Nankin Cafe orchestra; Beatrice DeVold, contralto; Hertel Sandven, saxophonist.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., Star's string trio; 6-7, Harry Frank, organist; 8-8:30, WEAF; 8:30-9:30, varied program; 11:45-1 a. m., Brunswick recording orchestra; Ted Meyn, organist; Earl Coleman's orchestra.

WFAA, Dallas, Tex. (475.9m-630kc), 6:30-7:30 p. m., Haualea School of Hawaiian Music; 8:30-9:30, C. C. Roessler, zitherist.

WGBF, Evansville, Ind. (236m-1270kc), 7 p. m., A. L. Maxwell Company featuring "Lincoln Ford orchestra"; 8:15, musical program.

WHAD, Milwaukee, Wis. (275.1m-1090kc), 6:10 p. m., organ recital.

WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., Liberty Insurance bank.

WHO, Des Moines, Ia. (526m-570kc), 7:30-8 p. m., Philbreck and his Younker tea-room orchestra; 8-9, G. Anderson, violinist; Dessa Wolf, pianist; Amelia Reinke, soprano.

WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Hotel Gayoso orchestra; 11, Harry O. Nichols, organist.

WOAI, San Antonio, Tex. (394.5m-760kc), 8:30 p. m., San Antonio College of Music program.

WOAW, Omaha, Nebr. (526m-570kc), 6 p. m., music review, Hester Bronson Copper; 6:50, orchestra; 9, Red Feather company.

WOC, Davenport, Ia. (483.6m-620kc), 8-8:30 p. m., WEAF; 8:30-9:30, Fifth band concert.

WOS, Jefferson City, Mo. (440.9m-680kc), 8 p. m., Missouri roads, O. I. Steele; 8:05, address, B. H. Piepmeier; 8:20, Big Four string band.

WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., Andrew Jackson hotel trio; 8, studio program; 10, Mrs. M. H. Goldschein, soprano; 10:30, F. Arthur Henkel, organist.

WSOE, Milwaukee, Wis. (245.8m-1220kc), 9 p. m., Candygram review.

Mountain Standard Time Stations

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra; 8, open-air concert, Denver municipal band.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7 p. m., Luis Mercier, basso; 7:30, Felipe Delgado's media hora Espanola; 8-9, Aeolian organ; 9-10, Varied program; 10-11, Packard ballad hour.

KFWB, Hollywood, Calif. (252m-1190kc), 7-8 p. m., program, Be[illegible] Farrar, Inc.; 8-9, program, John Wright, T[illegible] Tailor; 9-10, Bill Hatch and his orchestra; Ward [illegible] rner Brothers frolic.

KGO, Oakl[illegible] (361.2m-830kc), 6-6:55 p. m., Bem's Little Sy[illegible]ony orchestra.

KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., children's hour with Uncle John; 8-10, De luxe program, Karl Brandenburg, tenor; L. A. Ry. Hawaiian quintet.

KNX, Hollywood, Calif. (336.9m-890kc), 7-8 p. m., program, Loftus Land company; 8-9, program, Frank Meline company; 9-10, Order of Optimistic Donuts; 10-11, program, Dickenson and Gillespie company; 11-12, Ambassador hotel dance orchestra.

KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7 p. m., States Restaurant orchestra; 9-10, Palace Hotel Rose Room dance orchestra; 9:10-9:20, book review, Harry A. Small; 10-11, States Restaurant orchestra.

Saturday, August 21

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
9:30	8:30	7:30	6:30	5:30

PWX (399.8m-750kc), Cuban concert.
WMC (499.7m-600kc), Memphis Plectrum orchestra.

10:30	9:30	8:30	7:30	6:30

WFAA (475.9m-630kc), Mozart choral club.

11:30	10:30	9:30	8:30	7:30

WBAP (475.9m-630kc), Hired Hand's Little Symphony.

1:45	12:45	11:45	10:45	9:45

WDAF (365.6m-820kc), Nighthawk frolic.

Saturday, silent night for: CNRA, CNRC, CNRE, CNRM, CNRR, CNRT, CNRV, CNRW, KFKX, KFUO, KFXF, KMA, KTAB, KWWG, WBAL, WCAL, WCAU, WCBD, WCX, WEBJ, WEEI, WFI, WGBF, WGCP, WGHP, WHA, WHAD, WHN, WHO, WJAR, WLIT, WLWL, WOO, WOS, WRVA, WTAG, WTIC, WWJ.

Atlantic or Eastern Daylight Saving Time Stations

CFCA, Toronto, Can. (356.9m-840kc), 9 p. m., CFCA's summer orchestra.

CNRO, Ottawa, Can. (434.5m-690kc), 8 p. m., Chateau Laurier concert orchestra; 9, Chateau Laurier dance orchestra.

WEAF, New York, N. Y. (491.5m-610kc), 4-12 midnight, Elmer Grosso and his orchestra; Ben Bernie's orchestra; Rolfe's Palais D'Or orchestra.

WGBS, New York, N. Y. (315.6m-950kc), 6 p. m., Uncle Geebee; 7:45, George Hall and his Royal Arcadians; 10:30, Arrowhead Inn dance orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 7, Uncle Wip's bedtime stories; 8, sports corner; Dr. Francois D'Eliscu; 8:15, recital, Marine Studio; 8:30, Hotel Shelburne orchestra; 9:30, Emmet Welch's minstrels; 10:15, George Olson's orchestra; 10:45, Ted Weems' novelty dance orchestra; 11:15, Wheeler Wadsworth dance orchestra.

WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Waldorf Astoria roof orchestra; 8:25, Stadium Philharmonic concert, WRC, WGY, 10:30, Hotel Astor roof orchestra.

WMAK, Buffalo, N. Y. (265.3m-1130kc), 7-7:15 p. m., Hotel Onondaga orchestra, WGY; 7:30-8:30, Shea's Buffalo theater.

WMCA, New York, N. Y. (340.7m-880kc), 7 p. m., Tappen's orchestra; 7:30, Monte Carlo-by-the-Sea orchestra; 11, Ernie Golden and his Hotel McAlpin orchestra.

WOR, Newark, N. J. (405.2m-740kc), 6:15 p. m., Jacques Jacobs' Hotel Shelton ensemble; 6:45, Bill Wathey, sports; 7, Jacques Jacobs' Hotel Shelton ensemble; 7:30, Chateau Baltusrol orchestra; 8, Hotel Bretton Hall string quartet; 8:30, Arthur Pryor's band; 9:15, Casino orchestra; 9:45, Berkeley-Carteret concert orchestra; 10:15, special feature; 10:30, Monterey society orchestra; 11:15, Ben Bernie's Berkeley-Carteret orchestra.

Eastern Standard or Central Daylight Saving Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 8 p. m., Laughlin Steel Works glee club.

PWX, Havana, Cuba (399.8m-750kc), 8:30-11 p. m., Cuban concert.

KYW, Chicago, Ill. (535.4m-560kc), 6 p. m., Chicago Evening American; 7, musicale; 8, Commonwealth Edison company program; 9:30-11, Congress carnival.

WBBM, Chicago, Ill. (225.4m-1330kc), 5:15-6 p. m., Eddie Hanson, organist; 8-9:30, Harmony time and staff artists; 9:30-10, Moss covered melodies; 10-11:30, Variety hour, staff artists; 11:30-12:30, Supper club; 12:30-2 a. m.; Pacific Coast Special.

WBZ, Springfield, Mass. (333.1m-900kc), 6 p. m., Capitol theater orchestra; 8, Philip Bundon, baritone; Dorothy Higgins, pianist; 8:30, Hotel Westminister orchestra; 9, musicale.

WGN, Chicago, Ill. (302.8m-990kc), 6:15 p. m., Uncle Walt; 6:35-7, Drake concert ensemble; Blackstone string quintet; 8, Auld Sandy; 8:10, Drake concert ensemble; 8:20, Correll and Gosden; 8:30-9, musicale; 9-9:30, light opera period; 9:30-10, musicale; 10, features.

WGY, Schenectady, N. Y. (379.5m-790kc), 6 p. m., Hotel Onondaga orchestra; 6:30, Shea's Buffalo hour; 7:25, New York Philharmonic symphony concert; 9:30, Syracuse hotel.

WHT, Chicago, Ill. (399.8m-750kc), 7-8:30 p. m., Al Carney, organist; Eleanor Gilmour, soprano; 8:45-10:15 (238m-1260kc), Helen Rauh, organist; Stuart Dawson, poems; 10:30-1, (399.8m-750kc), Pat Barnes, Al Carney; John Norton, harmonica soloist; Al and Pat.

WJAZ, Chicago, Ill. (329.5m-910kc), 9-1 a. m., Club Chez Pierre, Earl Hoffman's Chez Pierre orchestra; Avery McIntyre, pianist; Elmer Winthrop, baritone; Anita Carrol, violinist; Chez Pierre Hawaiian quartet.

WJR, Detroit, Mich. (516.9m-580kc), 7 p. m., Jean Goldkette's Petite symphony orchestra; 7:30, Lagoona Gondoliers; 8, Detroit symphony orchestra; 11:30, Merry Old Chief, Jewett Radio Jesters.

WKRC, Cincinnati, Ohio (122.3m-710kc), 10 p. m., Swiss Garden frolic; 11, Sam Jones Columbia Record artist; 11:15, Ace Brigode's Virginians.

WLIB, Chicago, Ill. (302.8m-990kc), 7 p. m., Million sing; 7:05-7:15, old fashioned Almanack; 7:15, dinner music; 7:30-8, Drake concert ensemble; Pattison Coates, baritone; 11-11:20, Correll and Gosden; 11:20, Ambrose Larsen, organist; Drake hotel dance orchestra; Liberty studio ensemble.

WLS, Chicago, Ill. (344.6m-870kc), 6:30 p. m., Al Melgard, organist; 1, National barn dance.

WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., Johanna Grosse, organist; 8, Sekatary Hawkins Radio club; 8:30, Lawson McClain-Hawaiian quartet; 9, Castle Farmers.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Jack Chapman's orchestra; 8:15, Daw and Pratt; 9, Chicago theater weekly Radio revue.

WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9 p. m., Elizabeth Barker Van Campen hour of music; 10:05, Bob and Hazel McOsker, Freddie Gleason, Thelma Dykman, Louis Cunningham, Dodo and Mom, Van Wyck's instrumental quartet; orchestra.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Joe Rudolph's Rainbo Gardens orchestra; St. Ita's Church choir; 10-3 a. m., Rainbo Gardens orchestra, Harry Geise, Mildred and Hazel Lamb, Gail Bandell, Joe Warner, Rosemary Hughes, Rita McFawn.

WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., dinner hour of music, Speed-wagon serenaders, Gold Standard ensemble; 10-12, Speed-wagon serenaders, popular program.

WSAI, Cincinnati, Ohio (325.9m-920kc), 8 p. m., chimes; 8:15, news; 8:30, Bicycle playing card sextet; 9:30, Lelia Le Mar.

WSWS, Chicago, Ill. (275.8m-1090kc), 8-9 p. m., Henri Therrien, tenor; Zola Haynes, pianist; Georgia Gray, violinist; Terrace Garden orchestra; Walter Dyckman, basso; 10-11, Georgia Gray, violinist; Ned Becker, humorist; Clarence Clausen, tenor; Terrace Garden Orchestra; Zola Haynes, pianist; 12-1, Witching hour.

WTAM, Cleveland, Ohio (389.4m-770kc), 6:15 p. m., Hotel Cleveland orchestra; 7:30, studio program; 8, Hollenden Hotel orchestra; 9, vaudeville program from studio; Ev Jones' Merrymakers and assisting entertainers.

WTIC, Hartford, Conn. (475.9m-630kc), 7:30 p. m., Colt Park municipal dance orchestra.

WWJ, Detroit, Mich. (352.7m-850kc), 7:30 p. m., Goldman band concert.

Central Standard Time Stations

KFNF, Shenandoah, Ia. (461.3m-650kc), 7 p. m., mixed program; 11, old time music.

KMA, Shenandoah, Ia. (461.3m-650kc), 9-11 p. m., Ye Old Tyme gang.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10-10:45 p. m., Meyer Davis orchestra; 9:45-10, Lawson Reid, organist.

WBAP, Fort Worth, Tex. (475.9m-630kc), 8-8:30 p. m., Mr. and Mrs. C. C. Wagoner; 9:30-11, Hired Hand's Little symphony.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6:15 p. m., Wesley Barlow's Nicollet hotel orchestra; Didrikka Stub, soprano; 8:15, Teter and Johnson, entertainers; Sidney Williams, pianist; 9, Kenneth Runkel, Pianist; Schaatgen string trio; Helen Anderson, soprano; 10:05, Wallie Erickson's Coliseum orchestra; Jean Eatinger, entertainer; Agnes Iverson, Frances Ackerman, whistlers.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., Charlie Straight's recording orchestra; 8-10, around the town; 11:45-1, Charlie Straight's Recording orchestra; Earl Coleman's orchestra; popular songsters.

WFAA, Dallas, Tex. (475.9m-630kc), 6:30-7:30 p. m., Jimmy Joy's Baker hotel orchestra; 8:30-9:30, Mozart choral club; 11-12, Jack Gardner's Adolphus hotel orchestra.

WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., studio concert, H. D. Conrad.

WMC, Memphis, Tenn. (499.7m-600kc), Memphis Plectrum orchestra.

WOAW, Omaha, Nebr. (526m-570kc), 6:50 p. m., orchestra; 7, Chamber of Commerce; 7:30, educational period; 9, classical; 10, organ jubilee.

WOC, Davenport, Ia. (483.6m-620kc), 9-10 p. m., Sixth band concert.

WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., Andrew Jackson hotel trio; 8, barn dance.

WSOE, Milwaukee, Wis. (245.8m-1220kc), 7:30 p. m., dinner concert, Elks club studio; 8:30, Sunday school lesson, 9:30, dance program.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Billy Cox and his orchestra, Paul Roberts, soloist; 8-9, Angelus quartet; 9-10, classic hour; 10-11, Packard Radio club; 11-2 a. m., KFI midnight frolic.

KFWB, Hollywood, Calif. (252m-1190kc), 8-9 p. m., Studio program; 9-11, Warner Brothers frolic.

KGO, Oakland, Calif. (361.2m-830kc), 8:10-9 p. m., Salon Five; 9-9:30, Philharmonic society; 9:30-10, Helen Hart, Lloyd Cathcart; 10-1, Wilt Gunzendorfer's Hotel Whitcomb band.

KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., Uncle John and the children, 8-10, De Luxe program of vocal and instrumental numbers.

KNX, Hollywood, Calif. (336.9m-890kc), 7:30-8 p. m., Program, Dearden's Furniture company; 8-9, program, Luna Park; 9-10, Rondith corporation special program; 10-11, Ambassador hotel dance orchestra; 11-2 a. m., Hollywood nite frolic from the Edgewater club.

KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7:20 p. m., States Restaurant orchestra; 8-10, Cabiria Cafe orchestra; Maurice Gunsky, tenor; 10-12, Clift hotel dance orchestra.

Sunday, August 22

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
7:30	6:30	5:30	4:30	3:30

WMCA (340.7m-880kc), Monte Carlo by-the-Sea orchestra.

9:15	8:15	7:15	6:15	5:15

WEAF (491.5m-610kc), WEEI (348.6m-860kc), WSAI (325.9m-920kc), WGR (319m-940kc), WWJ (352.7m-850kc), WGN (302.8m-990kc), WCCO (416.4m-720kc), KSD (545.1m-550kc), Allen McQuhae.

9:45	8:45	7:45	6:45	5:45

WEEI (348.6m-860kc), Keith's Radio review.

1	12	11	10	9

WFAA (475.9m-630kc), Amphion male quartet.

For stations silent tonight refer to first Sunday's list.

Atlantic or Eastern Daylight Saving Time Stations

CFCA, Toronto, Can. (356.9m-840kc), 11 a. m., Timothy Eaton Memorial church; 7 p. m., St. Simon's church; 9:30, musicale.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:30 p. m., Hotel Pennsylvania orchestra; 7:30, Cathay Tea Garden orchestra.

WEAF, New York, N. Y. (491.5m-610kc), 3-4 p. m., International church service; 4-4:30, sacred music; 4:30-5:30, Federation mixed quartet; 5:30-6, musicale; 6-7, Capitol theater; 9:15-10:15, Allen McQuhae and orchestra.

WEEI, Boston, Mass. (348.6m-860kc), 9:15 p. m., Atwater Kent Radio hour; 9:45, Keith's Radio review.

WIP, Philadelphia, Pa. (508.2m-590kc), 10:30 a. m., services, Holy Trinity church; 8:15, concert Steel Pier; 10:30, recital, Atlantic City high school.

WJZ, New York, N. Y. (454.3m-660kc), 6:30 p. m., Turner male quartet; 7:05, Park Ave. Baptist Church Carillon, WGY; 8, music; 8:15, Hotel Ambassador trio, WGY; 9:30, Godfrey Ludlow, violinist.

WMAK, Buffalo, N. Y. (265.3m-1130kc), 7 p. m., Churchill tabernacle.

WMCA, New York, N. Y. (340.7m-880kc), 7 p. m., Ernie Golden and his Hotel McAlpin orchestra; 7:30, Monte Carlo by-the-Sea orchestra.

Sunday, August 22

Eastern Standard or Central Daylight Saving Time Stations

KYW, Chicago, Ill. (535.4m-560kc), 10 a. m., Second Presbyterian church; 3:30 p. m., studio concert; 8:30-10, classical concert.

WBAL, Baltimore, Md. (245.8m-1220kc), 7:30-8:30 p. m., WBAL concert orchestra.

WBBM, Chicago, Ill. (225.4m-1330kc), 12:30-2 p. m., Sacred classical concert, Eddie Hanson at the Barton organ, staff artists; 4-6, musical matinee, Lee Sims; Charlie Lenzen, tenor; 8-10, Melody hour, staff artists; 12, The Nutty club.

WGHP, Detroit, Mich. (270m-1110kc), 11 a. m., Grosse Pointe Memorial church.

WGN, Chicago, Ill. (302.8m-990kc), 6:15 p. m., Uncle Walt; 6:45, musicale; 7-7:20, Million sing; 7:20-7:30, Old Fashioned Almanack; 7:30-8, musicale; 8-8:15, Drake concert ensemble, Blackstone string quintet; 8:15, Atwater Kent musicale; 8:45, musicale; 9-10, Our Music Room; 10, feature program; 10:10, WGN studio ensemble.

WGY, Schenectady, N. Y. (379.5m-790kc), 6:05 p. m., Carillon; 6:20, WJZ.

WHT, Chicago, Ill. (399.8m-750kc), 3 p. m., Paul Rader.

WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., Sunday evening concert; 10-12, Popular program.

WJAZ, Chicago, Ill. (329.5m-910kc), 7-9 p. m., Club Chez Pierre Girvin trio, Jack Baus, violinist, Ann Slack, cellist.

WKRC, Cincinnati, Ohio (422.3m-710kc), 10 p. m., classical program; 11:15, Swiss Garden frolic; 12, Marie Turner, blues singer; 12:15, Ace Brigode's Virginians.

WLIB, Chicago, Ill. (302.8m-990kc), 5 p. m., Liberty studio ensemble; 5:45, Edward Benedict.

WLS, Chicago, Ill. (344.6m-870kc), 10:45 a. m., U. of Chicago church service; 12:30, Elsie Mae Look, organist; 7, WLS Little Brown church.

WLW, Cincinnati, Ohio (422.3m-710kc), 9:30 a. m., Sunday school; 11, service; 3 p. m., Cincinnati Park Board concert; 7:30, J. Walter DeVaux, organist; 8:30, Crosley Salon orchestra.

WORD, Chicago, Ill. (275m-1090kc), 11 a. m., Morning I. B. S. A. service; 2 p. m., Bible lecture; 9:30, musical program and address; 10:45, Bible lecture.

WQJ, Chicago, Ill. (447.5m-670kc), 8-10 p. m., Rainbo Gardens orchestra; Helen Ginsberg, soprano; Phyllis Finegold, violin and Audrey Perlstein, piano.

WSWS, Chicago, Ill. (275.8m-1090kc), 7-9:30 p. m., Evening song service, Rev. Philpott.

WTAM, Cleveland, Ohio (389.4m-770kc), 6 p. m., Hollenden Hotel orchestra; 7, Park Theater orchestra; 8, Twilight musicale.

WWJ, Detroit, Mich. (352.7m-850kc), 2 p. m., Detroit News orchestra; 6:20, WEAF; 8:15, WEAF.

Central Standard Time Stations

CKY, Winnipeg, Can. (384.4m-780kc), 7 p. m., Young United.

KFDM, Beaumont, Tex. (315.6m-950kc), 11-12 n., First Presbyterian church; 8-10 p. m., services.

KFNF, Shenandoah, Ia. (461.3m-650kc), 10:45 a. m., First M. E. church; 2:30 p. m., Seed house song service; 3, Christian church orchestra; 6:30, Golden Rule circle; 8, Christian church services.

KMA, Shenandoah, Ia. (461.3m-650kc), 4-5 p. m., sacred program; 5, talk, Rev. L. A. Lippitt.

KOIL, Council Bluffs, Ia. (305.9m-980kc), 7:30 p. m., Charlestonians.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 11 a. m., Central Methodist church; 9:10-10 p. m., classic hour, Meyer Davis orchestra.

KWCR, Cedar Rapids, Ia. (278m-1080kc), 11 a. m., Services, St. Paul's Methodist Episcopal church; 5 p. m., vesper services; 9:20, Sunshine Mission.

WBAP, Fort Worth, Tex. (475.9m-630kc), 11 a. m., First Methodist church; 9:30-11, Sorin-White Top O'Texas orchestra.

WFAA, Dallas, Tex. (475.9m-630kc), 6-7 p. m., Radio Bible class; 8-9, First Church of Christ Scientist; 9-9:30, Willard B. Muse, tenor; Ruth Muse, contralto; 11-12, Ligon Smith's orchestra.

WHO, Des Moines, Ia. (526m-570kc), 5-6 p. m., Bankers Life Little symphony orchestra; 7:30-8:30, Fort Des Moines hotel orchestra.

WOAI, San Antonio, Tex. (394.5m-760kc), 11 a. m., First Presbyterian church; 7:45 p. m., Central Christian church.

WOAW, Omaha, Nebr. (526m-570kc), 2:30 p. m., classical; 9, chapel service.

WSOE, Milwaukee, Wis. (245.8m-1220kc), 10 a. m., church service; 3:30, Bible hour; 8, services.

WSUI, Iowa City, Ia. (483.6m-620kc), 9 p. m., familiar hymns.

Mountain Standard Time Stations

KOA, Denver, Colo. (322.4m-930kc), 11 a. m., Montview Presbyterian church; 5:30 p. m., Mrs. Blanche Townsend Chase, organist; 8, open-air concert, Denver municipal band.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Jim, Jack and Jean trio; 8-9, Aeolian organ; 9-10, Bob Bottger's Venetians; 10-11, Packard Six dance orchestra.

KFWB, Hollywood, Calif. (252m-1190kc), 9-11 p. m., Sunday night movie frolic, Radio and screen stars.

KHJ, Los Angeles, Calif. (405.2m-740kc), 7-8 p. m., service, First M. E. church; 8-10, Orpheus Four male quartet in request numbers, and others.

KNX, Hollywood, Calif. (336.9m-890kc), 7-8 p. m., Carthay Circle theater organ and orchestra; 8-9, Service, First Presbyterian church of Hollywood; 9-10:30, program, Beverly Hills Nurseries.

Monday, August 23

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
8:30	7:30	6:30	5:30	4:30

WCAU (277.6m-1080kc), Tony and Joe, Italian comedians.

9:45	8:45	7:45	6:45	5:45

WOR (405.2m-740kc), Jimmy Caruso's frolic.

10:30	9:30	8:30	7:30	6:30

WLIT (394.5m-760kc), Fay's vaudeville features.

11:10	10:10	9:10	8:10	7:10

KTHS (374.8m-800kc), Famous ballads.

12	11	10	9	8

KOIL (305.9m-980kc), Barnyard Twins.

For stations silent tonight refer to first Monday's list.

Atlantic or Eastern Daylight Saving Time Stations

CKNC, Toronto, Can. (356.9m-840kc), 9 p. m., Eveready Salon orchestra; Edgar Smith, bass; Daisy LaRush McAdam, soprano.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30 p. m., Snellenburg recital; 8, Carolyn Thomas, soprano; 8:30, The Two Rascals; 8:45, The Merry Minstrels; 9:30, Tony and Joe, Italian comedians; 9:45, Chalfont Sisters, harmony songs; 10, recital; 10:45, concert.

WEAF, New York, N. Y. (491.5m-610kc), 4-12 midnight, Palais D'Or orchestra; Meyer Davis' Park Lane orchestra; "Ballo in Maschera," WEAF Grand opera company, Rolfe's Palais D'Or orchestra.

WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Hotel Madison dinner concert; 7:55, John B. Kennedy; 9, Maxwell House Coffee ensemble; 10:30, Harold Leonard's Waldorf Astoria roof orchestra.

WLIT, Philadelphia, Pa. (394.5m-760kc), 8:15 p. m., Arcadia cafe concert orchestra; 9, Stanley Hour of Music; 10, Arcadia cafe dance orchestra; 10:30, Fay's vaudeville features; 10:45, El Patio dance orchestra.

WMAK, Buffalo, N. Y. (265.3m-1130kc), 6:15-7:15 p. m., Philco Battery serenaders; 7:30-8:15, Buffalo Athletic club; 8:15-9, WGY.

WMCA, New York, N. Y. (340.7m-880kc), 6:30 p. m., Ernie Golden and his Hotel McAlpin orchestra; 7:30, Monte Carlo by-the-Sea orchestra; 9:15, Hardman Hour of Music; 10:30, Hotel Shelburne orchestra; 11, Jack Denny's orchestra; 11:30, Club Brighton orchestra; 12 m., McAlpin entertainers.

WNYC, New York, N. Y. (526m-570kc), 6 p. m., piano selections; 6:20, piano selections; 7:35, songs; 8, piano recital; 8:25, violin recital; 9, songs; 9:30, instrumental program; 10, songs.

WOR, Newark, N. J. (405.2m-740kc), 6:15 p. m., Jacques Jacobs' Hotel Shelton ensemble; 6:45, Bill Wathey, sports; 7, Jacques Jacobs' Hotel Shelton ensemble; 7:30, Brooklyn Daily Eagle program; 8, Newark Philharmonic band; 9, Klein's Serenading Shoemakers; 10, Monterey society orchestra; 10:30, Monterey concert quintet; 11:15, Ben Bernie's Berkeley-Carteret orchestra.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Hotel Sylvania orchestra; 8, organ recital; Mary E. Vogt; 8:30, Sesqui Centennial concert; 10:30, Sam Brown's dance orchestra.

Eastern Standard or Central Daylight Saving Time Stations

WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., WBAL dinner orchestra; 7:30-8, mixed quartet; 8-9, WBAL trio; 9-10, WBAL dance orchestra.

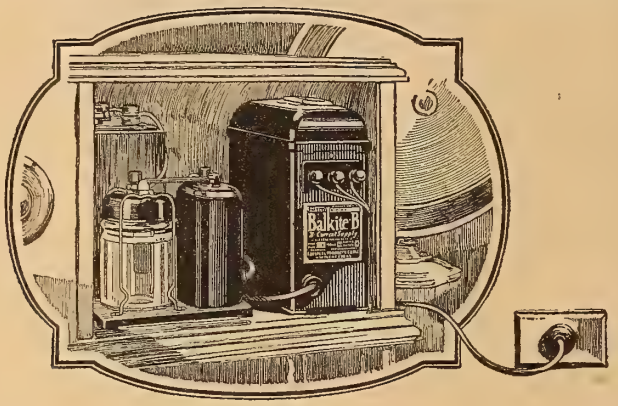
WBBM, Chicago, Ill. (225.4m-1330kc), 6-7 p. m., Instrumental program featuring Lester D. Mather.

WGHB, Clearwater, Fla. (265.3m-1130kc), 8:30-10 p. m., Caroline Lee; Max Hartlett, pianist.

WGHP, Detroit, Mich. (270m-1110kc), 6 p. m., dinner concert from Hotel Tuller; 8:30-9, studio program; 9-10, WGHP ensemble and soloists.

WGY, Schenectady, N. Y. (379.5m-790kc), 5:30 p. m., Hotel Van Curler orchestra.

WKRC, Cincinnati, Ohio (422.3m-710kc), 6:15 p. m., Alvin Roehr and his Hotel Alms orchestra; 8, Eugene Schmitt, baritone; 8:15, dance program; 8:45, Eugene Perazzo, pianist; 9, American Legion; 12, popular program.



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Monday, August 23

WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., Hotel Gibson Oriental room orchestra; 8, Pat Patrick and his orchestra; 9, Calumet Baking Powder and Rainbo Garden hour; George Conver, tenor.
WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9 p. m., Luella Craig Tynedale, contralto; Thurlow De Vlieger, pianist; 10:05, Grand Rapids Radio company.
WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., dinner hour of music, Gold Standard ensemble, Speed-wagon serenaders.
WRVA, Richmond, Va. (256.3m-1170kc), 8:45 p. m., chimes; 9:10, J. Harold Lawrence, blind pianist; 10:30, Golden Gate syncopators.
WSAI, Cincinnati, Ohio (325.9m-920kc), 9 p. m., WEAF; 10, Harmony Four orchestra.
WTAM, Cleveland, Ohio (389.4m-770kc), 6 p. m., Hollenden Hotel orchestra; 7, Allen Theater orchestra; 8, studio program; 11, Emerson Gill and his Bamboo Garden orchestra.
WTIC, Hartford, Conn. (475.9m-630kc), 5:30 p. m., Blumenthal's Hub trio; 7:30, Coast Guard band; 9, grand opera hour; 10:05, Capitol theater organ.
WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7:30, Goldman band concert; 9, Detroit News orchestra.

Central Standard Time Stations

CKY, Winnipeg, Can. (384.4m-780kc), 10 p. m., Reliable and Maximite Battery hour of music; 11, Capitol theater revue.
KFNF, Shenandoah, Ia. (461.3m-650kc), 7 p. m., concert; 8, poultry talk.
KMA, Shenandoah, Ia. (461.3m-650kc), 9-11 p. m., Corey and Carl.
KMMJ, Clay Center, Nebr. (228.9m-1310kc), 8 p. m., Old Trusty Juvenile band.
KOIL, Council Bluffs, Ia. (305.9m-980kc), 6 p. m., Evangeline Higgins; 7:30, studio program; 9, Ray Winn and his Paramount orchestra; 10, Barnyard Twins.
KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10-10 p. m., ballads, New Arlington hotel orchestra; 10-10:30, Ray Mullins Como Roof Garden orchestra.
WBAP, Fort Worth, Tex. (475.9m-630kc), 7:30-8:30 p. m., employees, Northern Texas Traction company; 9:30-11, Gordonville fiddle band; 11-12, musicale.
WFAA, Dallas, Tex. (475.9m-630kc), 6:30-7:30 p. m., Frensley Moore's orchestra; 8:30-9:30, Sears-Roebuck Agricultural Foundation program.
WHAD, Milwaukee, Wis. (275.1m-1090kc), 6:10 p. m., organ recital; 8:30, popular studio program; Cliff Borchardt, baritone; Vent Callahan, harmonicist and saw artist, novelty selections.
WHO, Des Moines, Ia. (526m-570kc), 7:30-8 p. m., Philbreck and his Younker tea-room orchestra; 8-9, Bankers Life trio.
WOAW, Omaha, Nebr. (526m-570kc), 6 p. m., Hugo G. Heyn, marimba soloist; Emil B. Hoffmann, pianist; 6:50, orchestra; 9, classical.
WOS, Jefferson City, Mo. (440.9m-680kc), 8 p. m., Daniel Boone Jones, old time fiddler.
WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., Andrew Jackson hotel trio; 8, studio program: 10, Vito and his Radio Seven.
WSOE, Milwaukee, Wis. (245.8m-1220kc), 9 p. m., Foca Di Leo's Accordion symphony orchestra.
WSUI, Iowa City, Ia. (483.6m-620kc), 8 p. m., musicale.

Mountain Standard Time Stations

CNRC, Calgary, Can. (435.8m-688kc), 9:30 p. m., National Railways' Little Symphony orchestra.
KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra; 8, Scheuerman's Colorado orchestra; 8:15, all-family studio programs.

Pacific Standard Time Stations

CNRV, Vancouver, Can. (291m-1030kc), 9:30 p. m., CNR Little symphony orchestra; 10-11, Cabaret Belmont orchestra.
KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Owen Fallon's Californians; Jackie Lucas, soloist; 8-9, Marie Louise Caselotti, soprano; Guide Caselotti, pianist; 9-10, program, Walter M. Murphy Motors company, KPO; 10-11, program, Meiklejohn Brothers.
KFWB, Hollywood, Calif. (252m-1190kc), 7-8 p. m., program, Dr. Ralph Mitchell and Associated Dentists; 8-9, program, The Sealy company; 9-10, program, American Dye Works; 10-11, Warner Brothers frolic.
KLX, Oakland, Calif. (508.2m-590kc), 8-9 p. m., studio program.
KNX, Hollywood, Calif. (336.9m-890kc), 7-7:30 p. m., program, Pacific Palisades association; 7:30-8, program by Overells; 8-9, program, L. W. Stockwell Co.; 9-10, Julian Petroleum Corp. program; 10-11, Alexandria hotel dance orchestra; 11-12, Ambassador hotel orchestra.

Tuesday, August 24

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
8:30	7:30	6:30	5:30	4:30

WSAI (325.6m-920kc), Charles H. Partington, accordion soloist.

9:30	8:30	7:30	6:30	5:30

WGHB (266m-1130kc), Royal Poincianna band.
WHO (526m-570kc), Fourteenth Cavalry band.

9	8	7	6	5

WLW (422.3m-710kc), Tenth Infantry band.

1	12	11	10	9

WFAA (475.9m-630kc), Bundle of Joys.

For stations silent tonight refer to first Tuesday's list.

Atlantic or Eastern Daylight Saving Time Stations

CNRA, Moncton, Can. (322.4m-930kc), 9 p. m., Mrs H. M. Wheeler, pianist; Mrs. William Cook, soprano; Flora Brown, reader; Vincent Melanson, tenor; Mrs. Fred Knight, mezzo-soprano; 11, orchestra.
WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30 p. m., Snellenburg recital; 8, concert; 8:10, The Three Brothers; 8:25, Peter Ricci, baritone; 8:45, Charles Higgins, popular songs; 9, Kuehnle's artists; 9:30, recital; 9:45, Eddie Malle, entertainers; 10, Billy Hays Cathay dance orchestra.
WEAF, New York, N. Y. (491.5m-610kc), 4-12 midnight, United Synagogue of America; Columbia university French course; Salon concert; Gold Dust Twins; Eveready hour; Moment musicale; Hotel Bossert orchestra; Greenwich Village Inn orchestra.
WEBJ, New York, N. Y. (272.6m-1100kc), 7 p. m., Raymond orchestra; 7:30, Knickerbocker Grill orchestra; 8:15, Sara Case, pianist; 8:30, Luna's Marine band.
WFI, Philadelphia, Pa. (394.5m-760kc), 6:45 p. m., Adelphia Roof Garden orchestra; 8, WEAF; 10:30, Greenwich Village Inn orchestra.
WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 8, Steeplechase Pier dance orchestra; 8:30, Steel Pier Minstrels; 9, Chalfonte-Haddon Hall trio; 10, moving picture talk; 10:20, Cummins' Kentuckians dance orchestra; 11, Silver Slipper Club orchestra; 11:30, Seattle Harmony Kings dance orchestra.
WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Frank Dole; 7:20, Waldorf Astoria roof orchestra; 8:30, May Singhi Breen, Jack de Rose and the Four Jack Roses; 9, Pennsylvania Railroad hour, WRC, WGY; 10, Cook's Southern Hemisphere Cruise, WRC, WGY; 10:45, Geo. Olsen's Hotel Pennsylvania Roof orchestra.
WMCA, New York, N. Y. (340.7m-880kc), 6:45 p. m., Jack Windrow, ukelele and songs; 7, Monte Carlo by-the-Sea orchestra; 9, Paul Whiteman's Picadilly players; 9:30, Columbia Park entertainers; 10:30, Hotel Shelburne orchestra; 11, Ernie Golden and his Hotel McAlpin orchestra; 12 m., McAlpin orchestra.
WOR, Newark, N. J. (405.2m-740kc), 6:45 p. m., Hotel Bretton Hall string quartet; 7:30, Premier club orchestra; 8:15, Vanderbilt hotel orchestra; 9, Donald H. Baker, organ recital; 9:45, Jimmy Caruso's frolic; 10:15, Ritz-Carlton dance orchestra.

Eastern Standard or Central Daylight Saving Time Stations

KYW, Chicago, Ill. (535.4m-560kc), 5:30 p. m., dinner concert, Congress hotel; 6, music hour; 7, American farm bureau federation; 8-9:30, classical concert; 9:30-11, Congress Carnival, Art Linick, Eddie and Fannie Cavanaugh.
WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., WBAL dinner orchestra; 7:30-8, Mandolin orchestra; 8-9, George Bolek, pianist; Helen Broemer, cellist; Edward Jendrek, tenor; 9-10, municipal band.
WBBM, Chicago, Ill. (225.4m-1330kc), 5:15-6 p. m., Recital, Eddie Hanson at the Barton organ; 8-9:30, Melody hour, staff artists; 9:30-10, Moss covered melodies; 10-11:30, Variety hour, Lee Sims, Smith and Ford and staff artists; 11:30-12, Howard Osburn's Vanity Fair cafe orchestra.
WGHB, Clearwater, Fla. (265.3m-1130kc), 8:30-10 p. m., American Legion band; Royal Poincianna band.
WGHP, Detroit, Mich. (270m-1110kc), 6 p. m., dinner concert from Hotel Tuller; 8:30-9, studio program; 9-10, Skylark dance band and soloists.
WGN, Chicago, Ill. (302.8m-990kc), 6:15 p. m., Uncle Walt's Punch and Judy; 6:45-7, Drake concert ensemble, Blackstone string quintet; 8-9, Eveready hour; 9-10, Great Moments from Grand Opera; 10-10:10, Sam 'n Henry; 10:10-11, musicale.
WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., Wonder story of Steinmetz; 7:30, WJZ.
WHT, Chicago, Ill. (399.8m-750kc), 7-8:30 p. m., Al Carney, organist; Riverview Melody Masters; 8:45-10:15 (238m-1260kc), organ opening; Riverview orchestra; 10:30-1 (399.8m-750kc), Al Carney, organist; Bel Canto male quartet; Ann Slack, cellist; Riverview orchestra; your hour league.
WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., Dinner concert; 12, Midnight jamboree.
WJAZ, Chicago, Ill. (329.5m-910kc), 9-12 mid., Club Chez Pierre, Earl Hoffman's Chez Pierre orchestra; The Quips that Pass in the Night; Louise Kramer, violinist; Francis Rosemary Scheib, soprano; Helen Jackson, pianist.
WKRC, Cincinnati, Ohio (422.3m-710kc), 10 p. m., Eugene Perazzo, organist; 11, Al Kirschner, pianist; 11:15, Chubby Lieber; 11:30, dance program.
WLIB, Chicago, Ill. (302.8m-990kc), 7 p. m., Million sing; 7:05, Old Fashioned Almanack; 7:15, dinner music; 7:30, Gold Dust Twins; 11, Correll and Gosden; 11:20, Ambrose Larsen, organist; Drake hotel dance orchestra; Liberty studio ensemble.
WLS, Chicago, Ill. (344.6m-870kc), 6:45 p. m., College Inn Orchestra; 7:20, Prof. E. Frazier, reader; 7:30, Ralph Emerson, organist; 8, Surprise time; 8:10, Sherwood music hour.
WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., Norrine Gibbons and her girl friend, Priscilla Holbrook; 7:30, Castle Farmers; 8, Tenth Infantry band; 9, Formica Insulation company orchestra.
WMAQ, Chicago, Ill. (447.5m-670kc), 6:30 p. m., orchestra; 6:45, Swimming lesson; 8, book review, Keith Preston; 8:20, Architect's Small House service bureau; 8:40, Whitney trio; 9, Mae Dowling Schmidt, pianist; 9:30, Jack Chapman's orchestra; 9:45, Burpan Homes.
WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9 p. m., Ye Olde Tyme Songe Feste, Roy Clark, Sally Simpkins, Jim Forshey, Claude Lee, Beth Garrison, quartet; 9:45, Melissa Dvorak, pianist; 10:05, Salvation Army.
WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Gardens orchestra; Sheppard Levine, Vesta Lou Balch, Helen Combs; 10 p. m.-2 a. m., Rainbo Gardens orchestra; Sophia Kasmir, Mildred and Hazel Lamb, Muriel Olsen, Romo Vincent, Frank Blasco.
WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., dinner hour of music, Speed-wagon serenaders, Gold Standard ensemble; 8:15-9:45, bank concert, Natural Amphitheater.
WSAI, Cincinnati, Ohio (325.9m-920kc), 7 p. m., WEAF; 7:30, Charles H. Partington, accordionist; Ray Lombardi, baritone; 8, Eveready hour of music; 9, Lola Bruce, Maids of Melody.
WSWS, Chicago, Ill. (275.8m-1090kc), 8-9 p. m., Walter Dyckman, basso; Truman Agland, Deolores Diazavado, songs; Terrace Garden orchestra; Henri Therrien, tenor; Ilona Kincz, songs; 11-12, John Clark, baritone; Georgia Gray, violinist; Matthews sisters; Jean St. Anne, baritone; Zola Haynes, pianist; Terrace Garden orchestra; 12-1, Terrace Garden.
WTAM, Cleveland, Ohio (389.4m-770kc), 6 p. m., State theater vaudeville and music; 7, Salon concert from WEAF; 7:30, Gold Dust Twins from WEAF; 8, Eveready entertainers from WEAF; 9, Moment musicale from WEAF; 9:30, Dance orchestra from WEAF; 10, studio program; 11, Frank R. Wilson's Euclid beach park orchestra.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 8:05-10:30 p. m., University of Nebraska.
KFNF, Shenandoah, Ia. (461.3m-650kc), 7 p. m., Emil Strom's Boy band.
KMA, Shenandoah, Ia. (461.3m-650kc), 9-11 p. m., May's Mandolin musicians.
KOIL, Council Bluffs, Ia. (303.9m-980kc), 6 p. m., program; 7:30, studio program; 11, Tillie's Bon-Ton serenaders.
KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10-9:30 p. m., Lawson Reid, organist; 9:30-10, Meyer Davis orchestra; 10-10:15, Joe Kuntz, accordion selections.
WBAP, Fort Worth, Tex. (475.9m-630kc), 7:30-8:30 p. m., Clyde Massengale, baritone; Florence Massengale, pianist; 9:30-11, Wagoner-Hawaiian trio.
WFAA, Dallas, Tex. (475.9m-630kc), 6:30-7:30 p. m., Hauulea School of Hawaiian music; 8:30-9:30, Edwin Lisman, bass; 11-12, Jimmy Joy's Baker hotel orchestra.
WGBF, Evansville, Ind. (236m-1270kc), 7 p. m., musical program; 8, varied program.
WHAD, Milwaukee, Wis. (275.1m-1090kc), 6:10 p. m., dinner hour program; 8:30, Wisconsin theater review.
WHAS, Louisville, Ky. (399.8m-750kc), 7:30-8:30 p. m., Cardinals; 8:30-9, T. C. Martin, fiddler.
WHO, Des Moines, Ia. (526m-570kc), 7:30-9 p. m., Fourteenth Cavalry band.
WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., musical program; 11, Britling's cafeteria orchestra.

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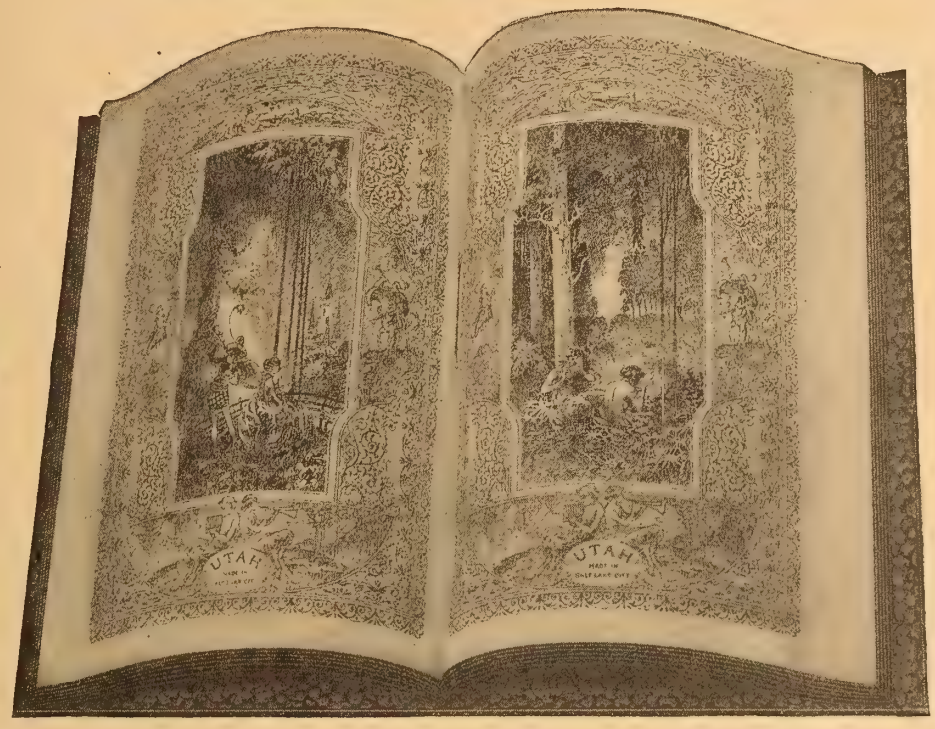

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Tuesday, August 24

WOAI, San Antonio, Tex. (394.5m-760kc), 8:30 p. m., Gilhardt Mexican players.
WOAW, Omaha, Nebr. (526m-570kc), 6:20 p. m., popular song period, Lillian Madsen; 6:50, orchestra; 9, program, George H. Lee company; 10:15, WOAW Radio Movie club.
WSM, Nashville, Tenn. (282.8m-1060kc), 8 p. m., studio program.
WSOE, Milwaukee, Wis. (245.8m-1220kc), 8 p. m., Building and Loan Ideas; 9, Knights of Pythias concert.

Mountain Standard Time Stations

CNRR, Regina, Can. (312.3m-960kc), 8 p. m., McQuarrie's concert and dance orchestra; Pragnall trio.
KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra.

Pacific Standard Time Stations

CNRV, Vancouver, Can. (291m-1030kc), 9 p. m., W. G. Hassell, vocal teacher; 10:30, Cabaret Belmont orchestra.
KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Virginia ballroom orchestra, Parks Sisters; 8-9, Screen Artists' string quartet; 9-10, Leo Rabitz, violinist; 10-11, Packard Radio club.
KFWB, Hollywood, Calif. (252m-1190kc), 7-8 p. m., program, Morris and company; 8-10, dance program, Bill Hatch and his orchestra; 10-11 Warner Brothers frolic.
KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., weekly visit of Queen Titania and the Sandman; 8:30, Stewart-Warner quartet; Mona Content, pianist; 10-11, L. A. Ry. dance orchestra.
KNX, Hollywood, Calif. (336.9m-890kc), 7-7:45 p. m., program, John A. Vaughn corp.; 7:45, Health talk; 8-9, Builders' Finance ass'n program; 9-10, program, Western Auto Supply co.; 10-11, Edgewater club; 11-1 a. m., Ambassador hotel dance orchestra.
KPSN, Pasadena, Calif. (315.6m-950kc), 8-9 p. m., Star-News concert hour with Adolf Tandler ensemble, George Frenger, tenor.

Wednesday, August 25

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
10	9	8	7	6

WHAD (275m-1090kc), Milwaukee Park Board band concert.

10:30	9:30	8:30	7:30	6:30

WHAS (399.8m-750kc), Honolulu serenaders.
WOAI (394.5m-760kc), Delaware Punch program.

9:15	8:15	7:15	6:15	5:15

WAMD (244m-1230kc), Liberty Four male quartet.

11	10	9	8	7

WQJ (447.5m-670kc), Lamb sisters.

11:15	10:15	9:15	8:15	7:15

KOA (322.4m-930kc), Ohio society.

For stations silent tonight refer to first Wednesday's list.

Atlantic or Eastern Daylight Saving Time Stations

CNRO, Ottawa, Can. (434.5m-690kc), 8 p. m., Chateau Laurier concert orchestra; 9, Chateau Laurier quartet.
WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30 p. m., concert, N. Snellenburg and Co.; 8, recital; 8:30, concert; 9:40, Senator Hassenpfesser; 9:45, Frank Cook, old-time songs; 10, Artie Bittong's Cheer-up club.
WEAF, New York, N. Y. (491.5m-610kc), 4-12 midnight, "A Russian Fairy Tale," Margaret Scott; tea music; United Synagogue of America; U. S. Army band; Davis' Saxophone octet; Ipana Troubadours; South Sea Islanders; WEAF light opera company; Pelham Heath Inn orchestra.
WEBJ, New York, N. Y. (272.6m-1100kc), 8 p. m., Dixie Daisy entertainers; 8:30, Jerry Alexander, entertainer; 8:45, Isabel Henderson, soprano; 9, Brennan and Adams, songs with uke; 9:30, Ormond Aces orchestra.
WFI, Philadelphia, Pa. (394.5m-760kc), 6:45 p. m., Adelphia Roof Garden orchestra.
WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra.
WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Hotel Madison concert orchestra; 8, Imperial Imps; 8:30, Stadium Philharmonic concert; 10:20, Henry Ford Old-Time orchestra.
WLIT, Philadelphia, Pa. (394.5m-760kc), 8 p. m., Arcadia cafe concert orchestra; 8:30, Progress Paint company entertainers; 9, E. A. White Radio hour; 10, Arcadia cafe concert orchestra.
WMAK, Buffalo, N. Y. (265.3m-1130kc), 7:30-8:15 p. m., Eastman theater, WGY; 8:15-9, WHAM; 9-10, Pearce and Pearce.
WMCA, New York, N. Y. (340.7m-880kc), 6:30 p. m., Ernie Golden and his Hotel McAlpin orchestra; 7:30, Tappen's orchestra; 8, Monte Carlo by-the-Sea orchestra; 10:30, Colonial Inn orchestra; 11, Jack Denny's orchestra; 11:30, Club Brighton orchestra; 12 m., McAlpin entertainers.
WNYC, New York, N. Y. (526m-570kc), 6 p. m., piano selections; 6:15, piano selections; 7:15, songs; 8:30, band concert from the Mall, Central Park, New York city.
WOR, Newark, N. J. (405.2m-740kc), 6:15 p. m., Jacques Jacobs' Hotel Shelton ensemble; 7, Jacques Jacobs' Hotel Shelton ensemble; 7:45, Spencer Armstrong, "Topics of the Day"; 8, Newark Philharmonic band; 9, French line program; 9:45, Monterey Society orchestra; 10:30, special feature; 10:45, Monterey concert quintet; 11:15, Ben Bernie's Berkeley-Carteret orchestra.
WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Sylvania dance orchestra; 8:30, WEAF; 10, Fox theater concert; 10:30, Sam Brown's dance orchestra.

Eastern Standard or Central Daylight Saving Time Stations

PWX, Havana, Cuba (399.8m-750kc), 8:30-11 p. m., military band music.
KYW, Chicago, Ill. (535.4m-560kc), 5:30 p. m., dinner concert; 6, Chicago Evening studio concert; 8-9:30, classical concert; 9:30-11, Congress Carnival.
WBBM, Chicago, Ill. (225.4m-1330kc), 5:15-6 p. m., recital, Eddie Hanson, organist; 9-10, Harmony Time, staff artists; 12, The Nutty club.
WGHB, Clearwater, Fla. (265.3m-1130kc), 8:30-10 p. m., Virginia Girl; Bob Houts, baritone.
WGHP, Detroit, Mich. (270m-1110kc), 6 p. m., dinner concert from Hotel Tuller; 8:30-9, Campers' half hour; 9-10, WGHP ensemble and soloists.
WGN, Chicago, Ill. (302.8m-990kc), 6:15 p. m., Uncle Walt; 6:45, Darke concert ensemble, Blackstone string quintet; 8:30-8:45, Tripoli trio; 8:45-10, Arabian Night's entertainment; 10:10, Music Box; 10:20, studio program; 10:30, party.
WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., Eastman theater orchestra; 7:15, WHAM studio program.
WHT, Chicago, Ill. (399.8m-750kc), Al Carney, organist; Riverview Melody Masters; 8:45-10:15 .(238m-1260kc), Helen Rauh, organist; Stuart Dawson; 10:30-1 (399.8m-750kc), Al and Pat; Riverview orchestra.
WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., dinner concert; 10-12, popular program.
WJAZ, Chicago, Ill. (329.5m-910kc), 9-12 mid., Club Chez Pierre, Earl Hoffman's Chez Pierre orchestra; vocal selections, Alexander Nakuţin studio; program for Captain Donald B. MacMillan.
WKRC, Cincinnati, Ohio (422.3m-710kc), 6 p. m., Erwin Reed's Garden of Allah orchestra; 8:15, Alvin Roehr and his Hotel Alms orchestra; 9, Everfresh hour; 12, Lookout house orchestra.
WLIB, Chicago, Ill. (302.8m-990kc), 7 p. m., Million sing; 7:05, Old Fashioned Almanack; 7:15, dinner music; 7:30, Pattison Coates, baritone; Edward Barry, pianist; 7:50, Auld Sandy; 8, WEAF; 12:30-1, Ambrose Larsen, organist.
WLS, Chicago, Ill. (344.6m-870kc), 6:30 p. m., Al Melgard, organist; 6:45, College Inn orchestra; 7:20, Rose Sherman, violinist; Marie Ludwig, harpist; 7:30, Ralph Emerson, organist; 8:10, College Inn orchestra; 8:30, U. of Chicago choir; 8:45, Midwest quartet; 9, WLS trio; 9:30, Harmony team; 9:45, College Inn orchestra; 10, popular music; 11, special program.
WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., Robert Visconti's orchestra; 10, Pink of Programs; 11, Royal Elk syncopators.
WMAQ, Chicago, Ill. (447.5m-670kc), 6:50 p. m., Jack Chapman's orchestra; 8:30, Whitney trio; 9, Hilda Eppstein, pianist; 9:30, Jack Chapman's orchestra.
WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9 p. m., 16 Fingered Paul, Moke Marrin, Helen Neuman, Jim Forshey, Ruth Glaser, Pearl Knudson, Sid Goldman, Ramona Gardens orchestra; Minnie DuBey Johnson, Marian Cusser, Van Wyck's instrumental quartet; Herman Nyh; 10:05, Paul Estabrook.
WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Gardens orchestra; Wm. Mattei, baritone; Henry Weise, violinist; Sibyl Nichols, pianist; James H. Murray, tenor. 10-2 a. m., Rainbo Gardens orchestra; Sophia Kasmir, soprano; Jerry Derr, tenor; Joe Warner, character songs; Joe Verges, pianist; Flo and Ray, harmony duo.
WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., dinner hour of music, Gold standard ensemble, Speed-wagon serenaders.
WRVA, Richmond, Va. (256.3m-1170kc), 8:45 p. m., hymns in song and story, Holland Wilkinson; 9:15, Hamilton M. Baskerville, organist; 10:15, Virginians.
WSWS, Chicago, Ill. (275.8m-1090kc), 8-9 p. m., Zola Haynes, Georgia Gray, Henri Therrien, tenor, Terrace Garden orchestra; Eleanor Wendt, soprano; John Clark, baritone; 10-11, Jack Goodwin, Terrace Garden orchestra, Georgia Gray, Jimmy Mulaney, ballads; Flo and Ray, harmony; 12-1, Witching hour.
WTAM, Cleveland, Ohio. (389.4m-770kc), 6:15 p. m., Hotel Cleveland orchestra; 8, Public Auditorium program; 11, Jack Horwitz Collegian serenaders.
WTIC, Hartford, Conn. (475.9m-630kc), 7:30 p. m., Bill Jones Capitol theater orchestra; 8, Travelers Jongleurs and Unknown Troubadour; 9, Colt Park Municipal dance orchestra; 9:30, Hotel Bond dance orchestra.
WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7, WEAF; 7:30, Detroit News orchestra; 8, dance program; 8:30, Detroit News orchestra.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 8:30-10:30 p. m., Variety program.
KFNF, Shenendoah, Ia. (461.3m-650kc), 7 p. m., concert, Henry Field Seed company.
KMA, Shenandoah, Ia. (461.3m-650kc), 9-11 p. m., mixed musical program.
KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10-9:30 p. m., Meyer Davis stringed trio; 9:30-10, Clyde Foley, tenor; Meyer Davis ensemble.
KWCR, Cedar Rapids, Ia. (278m-1080kc), 4:15 p. m., musical hour, fashion talk by Denecke stores.
WAMD, Minneapolis, Minn. (244m-1230kc), 7:15 p. m., Liberty Four male quartet; Art Olsen, pianist.
WHAD, Milwaukee, Wis. (275.1m-1090kc), 6:10 p. m., organ recital; 8, Milwaukee Park Board band concert; 11:30, Wisconsin theater organ recital.
WHAS, Louisville, Ky. (399.8m-750kc), 7:30-810 p. m., K. & I. orchestra; 8:10-9, Honolulu serenaders.
WHO, Des Moines, Ia. (526m-570kc), 6-7 p. m., Bankers Life Little symphony orchestra; Myrtle Williams, soprano; 7-8 p. m., Hotel Fort Des Moines orchestra; 8-9:30, Four Horsemen male quartet; Kate Miller, whistler; 9:30-11, dance program.
WOS, Jefferson City, Mo. (440.9m-680kc), 8 p. m., address, George A. Pickens; 8:15, Gondoliers.
WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., Andrew Jackson hotel trio; 8, studio program; 10, studio program.
WSOE, Milwaukee, Wis. (245.8m-1220kc), 8 p. m., Wisconsin Humane society.

Mountain Standard Time Stations

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., dinner concert, Brown Palace string orchestra; 7:30, Wynken, Blynken and Nod time; 8, Scheuerman's Colorado orchestra; 8:15, Ohio society, greeting to Ohioans, Frank E. Bare.

Pacific Standard Time Stations

CNRV, Vancouver, Can. (291m-1030kc), 10-11 p. m., Cabaret Belmont orchestra.
KFI, Los Angeles, Calif. (467m-642kc), 7 p. m., Westerland trio; 7:30, Nick Harris detective story; 8-9, Program, California Petroleum corporation; 9-10, Dolores Mason, pianist; Geo. Finney, baritone; 10-11, Chas. Beauchamp, tenor and others.
KFWB, Hollywood, Calif. (252m-1190kc), 7-8 p. m., program, Corduroy Tire Stores, Inc.; 8-9, program, Music Arts building; 9-10, studio program; 10-11, Warner Brothers' frolic.
KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-9, Western Auto Supply company.
KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., Uncle John and the children; 8-10, de luxe studio program; 10-11, Jerry Grant's Elite dance orchestra.
KJR, Seattle, Wash. (384.4m-780kc), 6 p. m., Lincoln-Ford dealers; 7:30-8:30, Arcweld Mfg. company; 10-11, Olympic Calpet refining company dance music.
KNX, Hollywood, Calif. (336.9m-890kc), 7-8 p. m., Studio feature program; 8-9, program, Security Trust and Savings bank; 9-10, El Sereno Country club program; 10-11, Edgewater club dance orchestra; 11-12, Ambassador hotel dance orchestra.

Thursday, August 26

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
9	8	7	6	5

WMCA (340.7m-880kc), Paul Whiteman's Picadilly players.

9:30	8:30	7:30	6:30	5:30

WHAS (399.8m-750kc), Bobby Hulette's Blue Devils.

10:30	9:30	8:30	7:30	6:30

WCAU (277.6m-1080kc), Odd Fellows' male quartet.

11	10	9	8	7

WQJ (477.5m-670kc), Sophia Kasmir.
WRVA (256m-1170kc), "Belle of Barcelona," Opera company.

11:40	10:40	9:40	8:40	7:40

WLW (422.3m-710kc), Irene Downing.

For stations silent tonight refer to first Thursday's list.

Atlantic or Eastern Daylight Saving Time Stations

CKNC, Toronto, Can. (356.9m-840kc), 8 p. m., Charles E. Bodley and his dance orchestra; Battery Brothers; Elsie White, soprano.
WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:30 p. m., Cathay orchestra; 7:30, Snellenburg symphony orchestra; 8, recital; 8:15, Josh Saddler's trio; 8:45, Getz Go-getters; 9, recital; 9:30, Musical Chefs; 9:45, Professor Doolittle; 10, recital; 10:30, Odd Fellows' male quartet.
WEAF, New York, N. Y. (491.5m-610kc), 4-12 midnight, tea music; mid-week hymn sing; Meyer Davis' Park Lane orchestra; Serenaders; concert orchestra; Clicquot Club Eskimos; Silvertown Cord orchestra; Greenwich Village Inn orchestra.
WFI, Philadelphia, Pa. (394.5m-760kc), 6:45 p. m., Adelphia Roof Garden orchestra; 8, The Serenaders; 8:30, orchestral concert; 9, Clicquot Club Eskimos; 10, Silvertown Cord orchestra.
WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 8, recital; 9, Hotel Traymore concert orchestra; 9:30, Hotel Ambassador concert orchestra; 10, Steeplechase Pier dance orchestra; 10:30, George Olson's dance orchestra; 11, Fry's dance orchestra; 11:30, Silver Slipper Supper Club dance orchestra; 12, organ recital, Jean Weiner.
WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Hotel Madison concert orchestra; 7:40, Judge, Jr.; 8, First National Presentation, WRC; 8:30, U. S. Marine Band, WRC, WGY, WBZ; 9:30, Royal Typewriter Salon orchestra, WRC, WGY; 10:30, The Fireside Boys, WRC, WBZ.
WMCA, New York, N. Y. (340.7m-880kc), 7 p. m., Monte Carlo by-the-Sea orchestra; 8, Roemer's Homers; 9, Solow soloists; 9:30, Columbia Park entertainers; 10, Shelburne Hotel orchestra; 10:30, Colonial Inn orchestra; 11, Ernie Golden and his Hotel McAlpin orchestra; 12 m., McAlpin entertainers.
WOR, Newark, N. J. (405.2m-740kc), 6:15 p. m., Jacques Jacobs' Hotel Shelton ensemble; 6:45, Bill Wathey, sports; 7, Jacques Jacobs' Hotel Shelton ensemble; 7:30, Oreste's Queensland orchestra; 8:15, Vanderbilt Hotel orchestra; 9, Arthur Pryor's band; 9:45, studio program; 10, Chateau Baltusrol orchestra.

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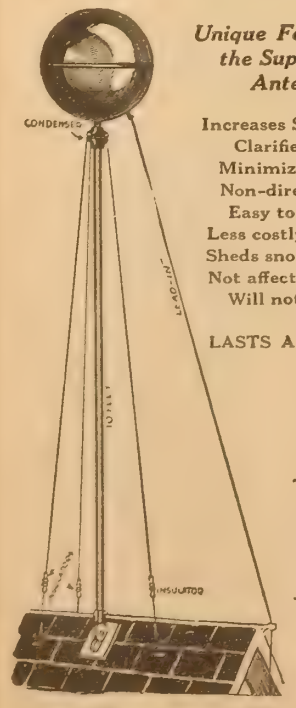

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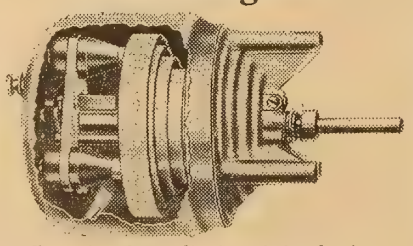

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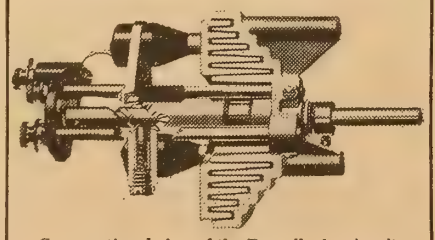

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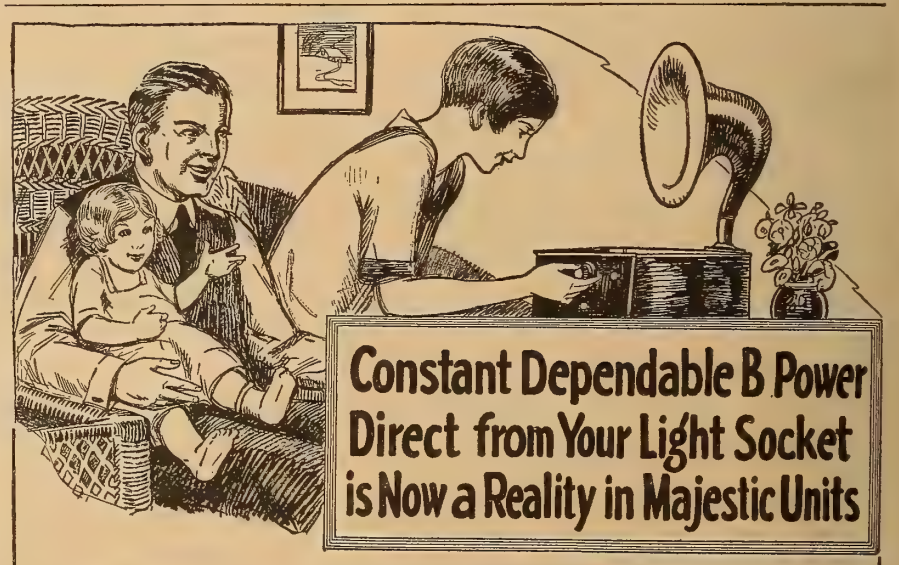

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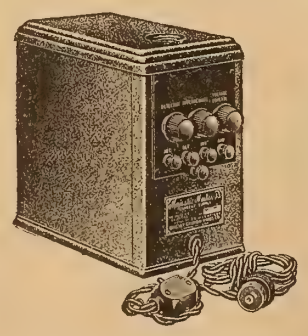

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Thursday, August 26

Eastern Standard or Central Daylight Saving Time Stations

KYW, Chicago, Ill. (535.4m-560kc), 6 p. m., music hour, Chicago Evening American studio; 7, Twenty Minutes of Good Reading, Rev. C. J. Pernin; 7:30-8, musicale; 9:30, classical; 9:30-11, Congress carnival.

WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., WBAL dinner orchestra; 7:30-8, WBAL mixed quartet; 8-9, WBAL trio; 9-10, dance orchestra.

WBBM, Chicago, Ill. (225.4m-1330kc), 5:15-6 p. m., recital, Eddie Hanson, organist; 8-9:30, Classical program; 9:30-10:15, moss covered melodies; 10:15-10:30, The Izaak Walton hour; 10:30-11:30, Vic Fredericks, baritone, Maurice Silverman, tenor and staff artists; 11:30-12, The Supper club.

WGHP, Detroit, Mich. (270m-1110kc), 6 p. m., dinner concert from Hotel Tuller; 10-11, WGHP frolickers; 11-12, Skylark dance band and soloists.

WGN, Chicago, Ill. (302.8m-990kc), 6:15 p. m., Uncle Walt; 6:45, Drake concert ensemble; Blackstone string quintet; 8-9, WEAF; 10, Sam 'n' Henry; 10:10, Music Box; 10:20, WGN studio ensemble.

WGY, Schenectady, N. Y. (379.5m-790kc), 6:45 p. m., Markaret Waterman, pianist; 7:30, WRC; 8:30, WJZ; 9:30, musicale; 10:30, Stephen E. Boisclair, organist.

WHT, Chicago, Ill. (399.8m-750kc), 7-8:30 p. m., Al Carney, organist; 8:45 (238m-1260kc), Helen Rauh, organist; Stuart Dawson, poems; 10:30-1 (399.8m-750kc), Al Carney, organist; Billy Alan Huff, popular songs; Little Joe Warner, character songs; Al and Pat.

WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., dinner concert; 10-12, midnight jamboree.

WJAZ, Chicago, Ill. (329.5m-910kc), 9-12 mid., Club Chez Pierre, Earl Hoffman's Chez Pierre orchestra; Henrietta Nolan, violinist; John Bennett Ham, baritone; Jacob Hannemann, pianist.

WKRC, Cincinnati, Ohio (422.3m-710kc), 8 p. m., Swiss Garden frolic; 8:30, popular songs, Merrell Schwarz, Bert Lindsay, Kern Aylward, Abe Farb; 9, Ace Brigode and his Fourteen Virginians.

WLIB, Chicago, Ill. (302.8m-990kc), 7 p. m., Millionssing; 7:05, Old Fashioned Almanack; 7:15, dinner music; 11-11:20, Correll and Gosden; 11 20-1, Ambrose Larsen, organist; Drake hotel dance orchestra; Liberty studio ensemble.

WLS, Chicago, Ill. (344.6m-870kc), 6:30 p. m., Al Melgard, organist; 7:20, Rose Sherman, violinist; Marie Ludwig, harpist; 7:30, Ralph Emerson, organist; 8:10, College Inn orchestra; 8:30, Donald F. Malin; 8:50, vocal music.

WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., Hotel Gibson orchestra; 10, Castle Farmers; 10:15, Al Kirschner, Pep Golden; 10:40, Irene Downing, Tommy Reynolds; 12:15, Crosley Sky Terriers.

WMAQ, Chicago, Ill. (447.5m-670kc), 6:30 p. m., Jack Chapman's orchestra; 6:45, swimming lesson; 8, Jack Chapman's orchestra; 8:30, Maren Johansen, soprano; 9, Marion and Stella Roberts; 9:30, Jack Chapman's orchestra; 9:45, Burpan Homes.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Gardens orchestra; Chester Newman, baritone, Lorena Anderson, soprano; Elbert Wheeler, operatic tenor; 10-2 a. m., Rainbo Gardens orchestra; Sylvian four; Harry Geise, song and piano; Little Marie Wright, soprano; Goldie Gordon, violinist; Bessie Sachs, accompanist.

WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., dinner hour of music, Speed-wagon serenaders, Gold Standard ensemble; 8:15-9:45, WREO Concert orchestra and vocal solos.

WRVA, Richmond, Va. (256.3m-1170kc), 8:45 p. m., chimes; 9, Highland Park orchestra; 10, "Belle of Barcelona," Opera company.

WSWS, Chicago, Ill. (275.8m-1090kc), 7 p. m., Henri Therrien, Oscar Heather, tenor; Terrace Garden orchestra, Leola Aikman, Georgia Gray, Zola Haynes, pianist; 10 p. m., John Clark production, The Beach at Waikiki; 11, Terrace Garden orchestra, Kenneth Clark, Hawaiian quartet, Hallelujah Boys, Billy Schaefer, Ruby Winter, Ruby Rossina, Hugh Aspinwall, 12-1, Witching hour.

WTAM, Cleveland, Ohio (389.4m-770kc), 6 p. m., Hollenden Hotel orchestra; 7:30, New York studio orchestra; 8, Cliquot Club Eskimos from WEAF; 9, studio program; 11, Emerson Gill and his Bamboo Garden orchestra.

WTIC, Hartford, Conn. (475.9m-630kc), 7:30 p. m., Jones-Jackson duo; 8, For-an-to Melody Makers; Manchester male quartet; 9, Colt Park Municipal dance orchestra; 9:30, Hotel Bond dance orchestra.

WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7, WEAF.

Central Standard Time Stations

CKY, Winnipeg, Can. (384.4m-780kc), 9-10 p. m., John Harper and his orchestra.

KFNF, Shenandoah, Ia. (461.3m-650kc), 7 p. m., mixed program.

KLDS, Independence, Mo. (440.9m-680kc), 8 p. m., Josephine Jirak, contralto; Edith Willis, pianist; Alfred Boyington, violinist; Alvah Boyington, accompanst.

KOIL, Council Bluffs, Iowa (305.9m-980kc), 6 p. m., Jamieson Oil duo; 7, program, G. H. Nelson Paint company; 8, Marjorie Beckett Burns.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10-9:45 p. m., classical concert; 9:45-10, Lawson Reid, organist.

WBAP, Fort Worth, Tex. (475.9m-630kc), 7:30-8:30 p. m., Trinity Park.

WFAA, Dallas, Tex. (475.9m-630kc), 6:30-7:30 p. m., Jimmy Joy's Baker hotel orchestra; 8:30-9:30, Wednesday Morning choral club recital.

WHAD, Milwaukee, Wis. (275.1m-1090kc), 6:10 p. m., dinner hour program; 8:30, classical studio program; 10:30, dance orchestra.

WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., Bobby Hulette's Blue Devils.

WHO, Des Moines, Ia. (526m-570kc), 7:30-8 p. m., Younker tea-room orchestra; 8-9, Bankers' Life trio; Stewart Watson, baritone.

WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Cooper's Hawaiians.

WOAW, Omaha, Nebr. (526m-570kc), 6:50 p. m., orchestra; 9, classical.

WSOE, Milwaukee, Wis. (245.8m-1220kc), 8 p. m., Bible class; 9, old fashioned musicale.

Mountain Standard Time Stations

CNRC, Calgary, Can. (435.8m-688kc), 9:30 p. m., Little Symphony orchestra.

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra.

Pacific Standard Time Stations

CNRV, Vancouver, Can. (291m-1030kc), 10-11 p. m., Cabaret Belmont orchestra.

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Radio Boys' orchestra; Geo. O'Hara, soloist; 8-9, KFI drama hour; 9-10, Chas. Dimond, steel guitar; 10-11, Patrick-Marsh dance orchestra, Betty Patrick, soloist.

KFWB, Hollywood, Calif. (252m-1190kc), 8-9 p. m., program, McGavin Bros. Bakeries; 9-10, program, Chapman's Ice Creams; 10-11, Warner Brothers' frolic.

KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., Uncle John and the children; 8-10, Zoellner string quartet; Harriet Andrews, soprano; 10-11, Heffner's Sunnyland Seven dance orchestra.

KNX, Hollywood, Calif. (336.9m-890kc), 7-8 p. m., Carthay Circle theater organ; 8-9, program, Rigali and Veselich; 9-10, studio program; 10-11, Edgewater club dance orchestra; 11-12, Ambassador hotel dance orchestra.

KPSN, Pasadena, Calif. (315.6m-950kc), 8-9 p. m., musical program arranged by Alhambra Masonic Lodge No. 322.

Friday, August 27

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
8:30	7:30	6:30	5:30	4:30

WFAA (475.9m-630kc), Blue Devils orchestra.

8:45	7:45	6:45	5:45	4:45

WGY (379.5m-790kc), Two-act play, "Gaius and Gaius, Jr."

9	8	7	6	5

CNRV (291m-1030kc), "Three Live Ghosts."

10	9	8	7	6

CNRT (356.9m-840kc), Radio Raiders.

WRVA (256m-1170kc), Stories of England, Ireland, France.

11	10	9	8	7

KMA (461.3m-650kc), Essex, Iowa, band.

KOA (322.4m-930kc), Denver's crack forty-piece band.

10:30	9:30	8:30	7:30	6:30

WLS (344.6m-870kc), Little Symphony of Chicago.

1	12	11	10	9

WMC (499.7m-600kc), Frolic, Diana 8 orchestra.

For stations silent tonight refer to first Friday's list.

Atlantic or Eastern Daylight Saving Time Stations

CNRA, Moncton, Can. (322.4m-930kc), 9 p. m., Moncton Firemen's band; 11, orchestra.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30, Snellenburg recital; 8, Barry O'Moore, Irish tenor; 8:30, Singing Groundhog; 8:45, Miss Bambina, piano accordionist; 9, Regina Crooners; 9:15, Nasco Jolly Four; 9:45, Willie Pierce, popular songs; 10, Jack Myers' Musical Architects.

WEAF, New York, N. Y. (491.5m-610kc), 4-12 midnight, Nora Donar, actress; May Singhi Breen, banjoist; Peter De Rose, pianist; "The Jungle," John Vandercook; "La France orchestra; Whittall Anglo-Persians; Jack Albin and his Hotel Bossert orchestra; Pelham Heath Inn orchestra.

WEBJ, New York, N. Y. (272.6m-1100kc), 7:00 p. m., Blue Bell serenaders; 7:30 p. m., Luna's Knickerbocker Grill orchestra; 8:00 p. m., Billy Day, whispering serenader; 8:15 p. m., Floyd's duo; 8:30 p. m., Luna's Marine band.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 7, Uncle Wip's bedtime stories.

WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Geo. Olsen's Hotel Pennsylvania orchestra; 8, West Point Thayer Hotel program; 9, Sundial Shoe serenaders, Bonnie Laddies; 10, Baldwin hour; 11, Hotel Belleclaire Tower orchestra.

WLIT, Philadelphia, Pa. (394.5m-760kc), 8 p. m., Arcadia cafe concert orchestra; 8:15, Pioneer Storage Battery entertainers; 9, Schickerling artists; 10, Morning Glory club concert; 10:30, Rufus and Rastus; 11, Freshman Masterpiece Hour of Music.

WMAK, Buffalo, N. Y. (265.3m-1130kc), 7:30-8:15 p. m., WGY orchestra; 8:15-10:30, WGY players.

WMCA, New York, N. Y. (340.7m-880kc), 6:30 p. m., Ernie Golden and his Hotel McAlpin orchestra; 7:30, Monte Carlo by-the-Sea orchestra; 8, Midland Beach orchestra; 9, Paul Whiteman's Picadilly players; 9:30, Klein's Serenading Shoemakers; 10, Colonial Inn orchestra; 11, Jack Denny's orchestra; 11:30, Club Brighton orchestra; 12 m., McAlpin entertainers.

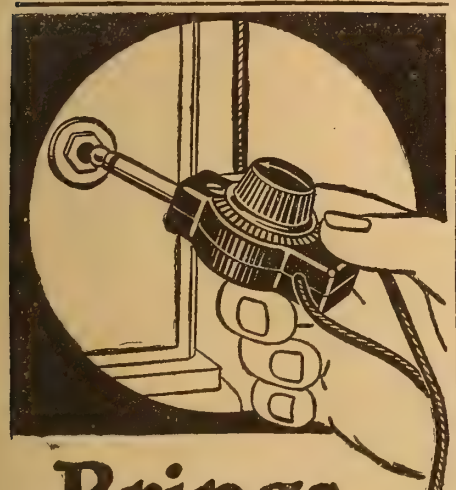
WNYC, New York, N. Y. (526m-570kc), 6 p. m., piano selections; 6:20, piano selections; 8, songs; 8:20, instrumental program; 9, piano selections; 9:30, instrumental program.

WOR, Newak, N. J. (405.2m-740kc), 6:20 p. m., Bill Wathey, sports; 6:35, Hotel Bretton hall string quartet; 7:30, Crystal Palace orchestra; 8:30, Donald H. Baker, organ recital; 10:15, Ritz-Carlton dance orchestra.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Ritz-Carlton orchestra; 8, recital; 9, WEAF; 10:30, Sam Brown's dance orchestra.

Eastern Standard or Central Daylight Saving Time Stations

KYW, Chicago, Ill. (535.4m-560kc), 5:30 p. m., dinner music; 6, Chicago Evening American; 7, Federal Master artists; 9:30-11, Congress carnival.



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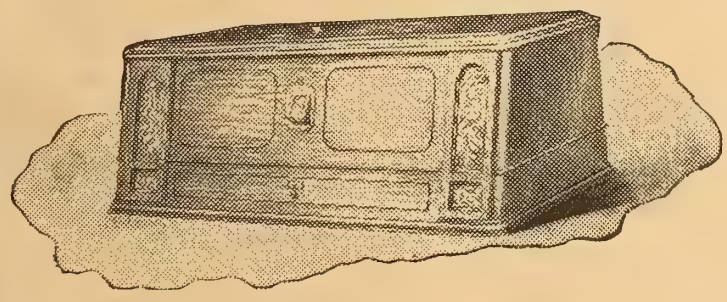

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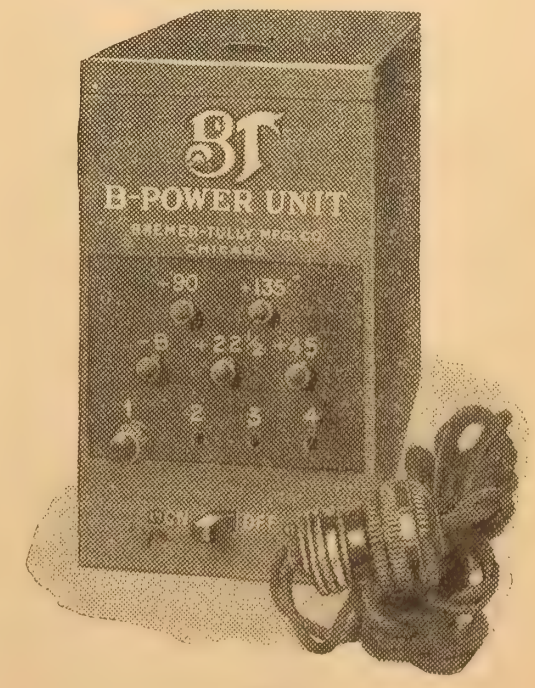

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Friday, August 27

WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7 p. m., WBAL dinner orchestra; 7:30-8, WBAL Jubilee singers; 8-9, musical program; 9-10, City Park orchestra of Baltimore.

WBBM, Chicago, Ill. (225.4m-1330kc), 5:45-6 p. m., Eddie Hanson, organist; 9-10, Harmony Time and staff artists.

WGHB, Clearwater, Fla. (265.3m-1130kc), 8:30-10 p. m., Frederick Hubbard, organist; Mrs. Ethel Morand Weber, soprano; Mrs. Maude Sheridan, contralto; Mrs. F. S. Barrett, violinist.

WGHP, Detroit, Mich. (270m-1110kc), 6 p. m., dinner concert from Hotel Tuller; 10-11, WGHP entertainers; 11-12, Skylark dance band and soloists.

WGN, Chicago, Ill. (302.8m-990kc), 6:15 p. m., Uncle Walt; 6:45, Drake concert ensemble, Blackstone string quintet; 7, Million sing; 7:05, Old Fashioned Almanack; 7:15, Paul Ash; 8-9, music; 9, WEAF; 9:30, Phantom Violin; 10, Sam 'n' Henry; 10:10, Music Box; 10:22, WGN studio ensemble.

WGY, Schenectady, N. Y. (379.5m-790kc), 6:35 p. m., WGY; 6:45, Remington Typewriter band; 7:45, Gaius and Gaius Jr., WGY players; 9, WJZ; 10, dance program.

WHT, Chicago, Ill. (399.8m-750kc), 7-8:30 p. m., Al Carney, organist; Pat Barnes; 8:45-10:15 (238m-1260kc), Helen Rauh, organist; Stuart Dawson, poems; 10-1 (399.8m-750kc), Al Carney, organist; Rita McFaun, soprano; Oscar Heather, tenor; Rita McFaun, soprano; Al and Pat.

WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., early evening musical; 10-12, popular program.

WJAZ, Chicago, Ill. (329.5m-910kc), 9-12 mid., Club Chez Pierre, Earl Hoffman's Chez Pierre orchestra; The Quips that Pass in the Night; Dallas Decker, tenor; Irene Meinke, pianist; Chez Pierre Hawaiian quartet.

WLIB, Chicago, Ill. (302.8m-990kc), 11 p. m., songs, Correll and Gosden; 11:20-1, Ambrose Larsen, organist; Drake hotel dance orchestra; Liberty studio ensemble.

WLS, Chicago, Ill. (344.6m-870kc), 6:30 p. m., Al Melgard, organist; 7:20, Rose Sherman, violinist; Marie Ludwig, harpist; 7:30, Ralph Emerson, organist; 8:30, College Inn orchestra; 9:30, Little Symphony of Chicago; 10:30, Medicine show; 11, Ralph Emerson, organist.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 8, George Simons, tenor; 8:30, Whitney trio; 9, Emerson Abernethy, baritone; 9:30, Olga Sandor, pianist.

WOOD, Grand Rapids, Mich. (241.8m-1240kc), Van Wyck's instrumental quartet; 10:10, Ramona Radio revelry.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Gardens orchestra; R. G. Ball, baritone; Crystal Eaton Taylor, soprano; Henrietta Nolan, violinist; 10-2 a. m., Rainbo Gardens orchestra; Lauretta Giles, soprano; Dr. H. Lucille Long, harmonica; Harry Brooker, baritone; Frank Blasco, the boy tenor.

WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., dinner hour of music, Gold standard ensemble, Speed-wagon serenaders.

WRVA, Richmond, Va. (256.3m-1170kc), 8:15 p. m., cello and piano recital; 8:45, chimes; 9, songs and stories of England, Ireland, France; 10, Golden Gate syncopators.

WSWS, Chicago, Ill. (275.8m-1090kc), 8-9 p. m., Terrace Garden orchestra, Henri Therrien, tenor; Matthews sisters, Carol Schaus, pianist; John Clark, baritone; Georgia Gray, violinist; 10-11, Georgia Gray, Sis Pierson, ballads; Hugh Boutay, blues; Zola Haynes, pianist.

WTAM, Cleveland, Ohio (389.4m-770kc), 6:30, Emerson Gill and his Bamboo Garden orchestra; 8, Frank R. Wilson's Euclid Beach Park orchestra; 9, Whitall's Anglo-Persians from WEAF; 9:30, studio program; 11, Jack Horwitz Collegian serenaders from Far East restaurant.

WTIC, Hartford, Conn. (475.9m-630kc), 7 p. m., Laura C. Gaudet, pianist; 7:15, Fiddle an Bee; 7:30, Pete Radican's dance orchestra; 9, Harold Doyle, violinist; 9:30, WTIC's mail bag; 9:45, Debutants.

WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 8, Detroit News orchestra; 9, WEAF.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 8:30-10:30 p. m., Cowbell boys, violin and guitar; Beck's orchestra.

KFNF, Shenandoah, Ia. (461.3m-650kc), 7 p. m., Sunday School lesson; 7:30, program, Lafe Corbin.

KMA, Shenandoah, Ia. (461.3m-650kc), 9-11 p. m., Essex, Ia. band.

KOIL, Council Bluffs, Iowa (305.9m-980kc), 6 p. m., Oakland-Pontiac orchestra; 8:30, Dresher Brothers program.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10-9:30 p. m., Ray Mullins orchestra; 9:30-10, New Arlington hotel orchestra.

KWCR, Cedar Rapids, Ia. (278m-1080kc), 4:15 p. m., musical hour and fashion talk by Denecke stores.

WAMD, Minneapolis, Minn. (244m-1230kc), 7:15 p. m., Huldah Johnson, contralto; Etta Landry, pianist; Tirzah Ferguson, violinist; 10, Skyrocket frolic.

WBAP, Fort Worth, Tex. (475.9m-630kc), 7:30-8:30 p. m., Panther Hawaiian trio; 9:40-11, Artie Collins' dance orchestra.

WFAA, Dallas, Tex. (475.9m-630kc), 6:30-7:30 p. m., Blue Devils orchestra; 8:30-9:30, Frank Renard club.

WGBF, Evansville, Ind. (236m-1270kc), 7 p. m., A. L. Maxwell Company "Lincoln and Ford orchestra."

WHAD, Milwaukee, Wis. (275.1m-1090kc), 6:10 p. m., Wisconsin theater organ recital, Arthur Richter.

WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., operatic ensemble, Greater Louisville Savings and Building association.

WHO, Des Moines, Ia. (526m-570kc), 7:30-8 p. m., Philbreck and his Younker tea-room orchestra; 8-9, Robert Parker, cellist; Mrs. Robert Evans, soprano; June Bartlett, pianist.

WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Hotel Gayoso orchestra; 11, Midnight frolic, "Diana 8" orchestra.

WOAW, Omaha, Nebr. (526m-570kc), 6 p. m., music review; 6:50, orchestra; 9, classical.

WOS, Jefferson City, Mo. (440.9m-680kc), 8 p. m., Missouri roads, O. I. Steele; 8:05, "The Science and Art of Farming," Samuel M. Jordan; 8:20, Chic Scoggin, WOS male quartet.

WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., Andrew Jackson hotel trio; 8, Mrs. Eva Thompson Jones, contralto; Mrs. Herman Myatt, soprano; Eleanor Grey Horn, pianist; 10, Mrs. Frances Gray Leftwich, soprano; Sam Woolwine, Jr., baritone; 10:30, F. Arthur Henkel, organist.

WSOE, Milwaukee, Wis. (245.8m-1220kc), 9 p. m., Candygram review.

Mountain Standard Time Stations

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra; 8, open-air concert, Denver municipal band.

Pacific Standard Time Stations

CNRV, Vancouver, Can. (291m-1030kc), 9 p. m., Walton trio, Helen Prestwich, contralto; Mrs. W. E. Green, soprano; Alice Wilma Metz, violinist; 10:30, Cabaret Belmont orchestra.

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., program of popular songs by Lou Parker; 8-9, Aeolian organ; 9-10, Golden Hour trio; 10-11, Packard ballad hour.

KFWB, Hollywood, Calif. (252m-1190kc), 7-8 p. m., program, Bert Farrar, Inc.; 8-9, program, John Wright, The Right Tailor; 9-10, studio program; 10-11, Warner Brothers frolic.

KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., Uncle John and the children; 8-10 p. m., Edison Record Shop ensemble; Grace Currey, harpist.

KNX, Hollywood, Calif. (336.9m-890kc), 7-8 p. m., Loftus Land Co. program; 8-9, program, Frank Meline company; 9-10, Order of Optimistic Donuts; 10-11, program, Dickenson and Gillespie; 11-12, Ambassador hotel dance orchestra.

Saturday, August 28

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
8:25	7:25	6:25	5:25	4:25
WJZ (454.3m-660kc), WGY (379.5m-790kc), WRC (468.5m-640kc), Stadium Philharmonic concert.				
8:30	7:30	6:30	5:30	4:30
WWJ (352.7m-850kc), Goldman Band concert.				
9	8	7	6	5
WLW (422.3m-710kc), Sekatary Hawkins club.				
9:30	8:30	7:30	6:30	5:30
WGN (302.8m-990kc), Correll and Gosden, songs. WIP (508.2m-590kc), Million Dollar Pier minstrels.				
10	9	8	7	6
WTAM (389.4m-770kc), Studio vaudeville program.				
11	10	9	8	7
WREO (285.5m-1050kc), Speed-Wagon entertainers.				
12	11	10	9	8
KFAB (340-7m-880kc), Mike Kopac, pianist.				
3	2	1	12	11
KFI (467m-642kc), KFI midnight frolic.				

For stations silent tonight refer to first Saturday's list.

Atlantic or Eastern Daylight Saving Time Stations

CFCA, Toronto, Can. (356.9m-840kc), 9 p. m., CFCA's summer orchestra.

CNRO, Ottawa, Can. (434.5m-690kc), 8 p. m., Chateau Laurier concert orchestra; 9, dance program.

WEAF, New York, N. Y. (491.5m-610kc), 4-12 midnight, Elmer Grosso and his orchestra; Greenwich Village Inn orchestra; Ben Bernie's Hotel Roosevelt orchestra; Rolfe's Palais D'Or orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 7, Uncle Wip's bedtime stories; 8, sports corner, Dr. Francois D'Eliscu; 8:15, recital, Marine studio; 8:30, Hotel Shelburne orchestra; 9:30, Million Dollar Pier Minstrels; 10:15, George Olson's orchestra; 10:45, Ted Weem's dance orchestra; 11:15, Wheeler Wadsworth orchestra.

WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Waldorf Astoria roof orchestra; 8:25, Stadium Philharmonic concert, WRC, WGY; 10:30, Hotel Astor roof orchestra.

WMCA, New York, N. Y. (340.7m-880kc), 7 p. m., Tappen's orchestra; 7:30, Monte Carlo by-the-Sea orchestra; 11, Ernie Golden and his Hotel McAlpin orchestra; 12 m., McAlpin entertainers.

Eastern Standard or Central Daylight Saving Time Stations

PWX, Havana, Cuba (399.8m-750kc), 8:30-11 p. m., Cuban concert.

KYW, Chicago, Ill. (535.4m-560kc), 6 p. m., Chicago Evening American; 7, musicale; 8, Commonwealth Edison company program; 9:30-11, Congress carnival.

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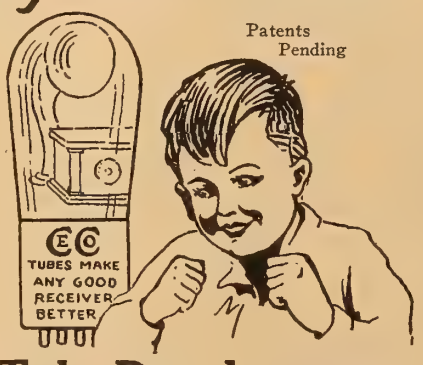

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[SEND FOR NEW RADIO INSTRUMENT CATALOG No. 15-C]

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"26 Years Making Good Instruments"

Saturday, August 28

WBBM, Chicago, Ill. (225.4m-1330kc), 5:15-6 p. m., Eddie Hanson, organist; 8-9:30, Harmony time and staff artists; 9:30-10, moss-covered melodies; 10-11:30, Variety hour, staff artists; 11:30-12:30, supper club; 12:30-2 a. m., Pacific Coast special.

WGN, Chicago, Ill. (302.8m-990kc), 6:15 p. m., Uncle Walt; 6:35-7, Drake concert ensemble; Blackstone string quintet; 8, Auld Sandy; 8:10, Drake concert ensemble; 8:20, Correll and Gosden; 8:30-9, musicale; 9-9:30, light opera period; 9:30-10, musicale; 10, features.

WGY, Schenectady, N. Y. (379.5m-790kc), 6 p. m., Onondaga hotel orchestra; 6:30, Shea's Buffalo hour; 7:25, WJZ; 9:30, dance program, Syracuse hotel.

WHT, Chicago, Ill. (399.8m-750kc), 7-8:30 p. m., Al Carney, organist; Eleanor Gilmour, soprano; 8:45-10:15 (238m-1260kc), Helen Rauh, organist; Stuart Dawson, poems; 10:30-1 (399.8m-750kc), Pat Barnes, Al Carney; John Norton, harmonica soloist; Al and Pat.

WKRC, Cincinnati, Ohio (422.3m-710kc), 10 p. m., Swiss Garden frolic; 11, Sam Jones, Columbia record artist; 11:15, Ace Brigode's Virginian's.

WLIB, Chicago, Ill. (302.8m-990kc), 7 p. m., Million sing; 7:05-7:15, Old-Fashioned Almanack; 7:15, dinner music; 7:30-8, Drake concert ensemble; Pattison Coates, baritone; 11-11:20, Correll and Gosden; 11:20, Ambrose Larsen, organist; Drake hotel dance orchestra; Liberty studio ensemble.

WLS, Chicago, Ill. (344.6m-870kc), 6:30 p. m., Al Melgard, organist; 7:15, barn dance.

WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., Johanna Grosse, organist; 8, meeting, Sekatary Hawkins club; 8:30, Apollo club quartet; 9, Castle Farmers.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Jack Chapman's orchestra; 8:15, Daw and Pratt; 9, Chicago theater weekly Radio revue.

WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., dinner hour of music, Speed-Wagon serenaders, Gold Standard ensemble; 10-12, special program, Speed-Wagon serenaders.

WSAI, Cincinnati, Ohio (325.9m-920kc), 8 p. m., chimes; 8:15, news; 8:30, Bicycle Playing Card sextet; 9:30, Lelia Le Mar.

WTAM, Cleveland, Ohio (389.4m-770kc), 6:15 p. m., Hotel Cleveland orchestra; 7:30, studio program; 8, Hollenden hotel orchestra; 9, vaudeville program from studio, Ev Jones' merrymakers and assisting entertainers.

WWJ, Detroit, Mich. (352.7m-850kc), 7:30 p. m., Goldman band concert.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 8:30-10:30 p. m., Harmony boys, vocal and piano; Little Symphony orchestra; Mike Kopac, king of the ivories.

KFNF, Shenandoah, Iowa (461.3m-650kc), 7 p. m., mixed program; 11, old-time music.

KMA, Shenandoah, Iowa (461.3m-650kc), 9-11 p. m., Ye Olde Tyme Gang.

KOIL, Council Bluffs, Iowa (305.9m-980kc), 7:30 p. m., Mona Motor Oil entertainers; 11, orchestra.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10-9:40 p. m., Meyer Davis orchestra; 9:40-10, old-fashioned favorites, Lawson Reid.

WBAP, Fort Worth, Texas (475.9m-630kc), 8-8:30 p. m., Vesper trio; 9:30-11, Broward's symphony orchestra.

WFAA, Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m., Jimmy Joy's Baker hotel orchestra; 8:30-9:30, Willard B. Muse, tenor; Ruth Muse, contralto; Lola Parrino, pianist; 11-12, Jack Gardner's Adolphus hotel orchestra.

WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., Louisville Music and Radio company.

WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Walter Moore.

WOAW, Omaha, Nebr. (526m-570kc), 6:50 p. m., orchestra; 7:30, Creighton educational period; 9, Omaha Printing company; 10, organ jubilee, Elks' club.

WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., Andrew Jackson hotel trio; 8, barn dance.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Billy Cox and his orchestra; 8-9, Angelus string quartet; 9-10, program, Associated Packard dealers of California; also broadcast by KPO; 10-11, Packard Radio club; 11-2 a. m., KFI midnight frolic.

KFWB, Hollywood, Calif. (252m-1190kc), 8-9 p. m., Bill Hatch and his orchestra, June Parkers, blues singer; 9-11 Warner brothers frolic.

Sunday, August 29

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
4	3	2	1	12

WLW (422.3m-710kc), Municipal band concert.

5:15	4:15	3:15	2:15	1:15

WHAD (275m-1090kc), Milwaukee Park Board band concert.

9:30	8:30	7:30	6:30	5:30

KOIL (305.9m-980kc), Charlestonjans.

11	10	9	8	7

KPO (467m-640kc), Jim, Jack and Jean trio.

For stations silent tonight refer to first Sunday's list.

Atlantic or Eastern Daylight Saving Time Stations

CFCA, Toronto, Can. (356.9m-840kc), 11 a. m., St. Paul's Anglican church; 7 p. m., Timothy Eaton Memorial church; 9:30, musicale.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:30 p. m., Hotel Pennsylvania concert orchestra; 7:30, Cathay Tea Garden orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 4:15 p. m., community vocal and instrumental trio; 7:15, services, Holy Trinity church; 9:15, concert, Steel Pier, Atlantic city; 10:30, organ and vocal recital from Atlantic City high school.

WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Park Ave. Baptist Church Carillon, WGY; 7:25, Hotel Pennsylvania orchestra, WGY; 8, music; 8:15, Hotel Ambassador trio; 9:30, Godfrey Ludlow.

WMAK, Buffalo, N. Y. (265.3m-1130kc), 7 p. m., Churchill tabernacle.

WMCA, New York, N. Y. (340.7m-880kc), 7 p. m., Ernie Golden and his Hotel McAlpin orchestra; 7:30, Monte Carlo by-the-Sea orchestra.

Eastern Standard or Central Daylight Saving Time Stations

KYW, Chicago, Ill. (535.4m-560kc), 3:30 p. m., studio concert; 8:30-10, classical concert.

WBBM, Chicago, Ill. (225.4m-1330kc), 12:30-2 p. m., Sacred classical concert, Eddie Hanson, organist, Staff artists; 4-6, musical matinee, Lee Sims; Charlie Lenzen, tenor; 8-10, melody hour, staff artists; 12, The Nutty club.

WGN, Chicago, Ill. (302.8m-990kc), 6:15 p. m., Uncle Walt; 6:45, musicale; 7-7:20, Million sing; 7:20-7:30, Old Fashioned Almanack; 7:30-8, musicale; 8-8:15, Drake concert ensemble, Blackstone string quintet; 8:15, Atwater Kent musicale; 8:45, musicale; 9-10, Our Music Room; 10, feature program; 10:10, WGN studio ensemble.

WGY, Schenectady, N. Y. (379.5m-790kc), 6:05 p. m., carillon; 6:20, WJZ.

WHT, Chicago, Ill. (399.8m-750kc), 3 p. m., Paul Rader.

WIBO, Chicago, Ill. (225.4m-1330kc), 6-8 p. m., Sunday evening concert; 10-12, pouplar program.

WJAZ, Chicago, Ill. (329.5m-910kc), 7-9 p. m., Club Chez Pierre Girvin trio.

WKRC, Cincinnati, Ohio. (422.3m-710kc), 10 p. m., classical program; 11:15, Swiss Garden frolic; 12, Marie Turner; 12:15, Ace Brigode's Virginians.

WLIB, Chicago, Ill. (302.8m-990kc), 5 p. m., Liberty studio ensemble; 5:45, Edward Benedict, organist.

WLS, Chicago, Ill. (344.6m-870kc), 10:45 a. m., U. of Chicago church service; 12:30 p. m., Elsie Mae Look, organist; 7-8:55, WLS Little Brown church.

WLW, Cincinnati, Ohio. (422.3m-710kc), 9:30 a. m., Sunday school; 11, Y. M. C. A. church; 3 p. m., municipal band; 7:30, Herbert Newman, organist; 8:30, Crosley Salon orchestra; Francis Trefzger, tenor.

WSAI, Cincinnati, Ohio. (325.9m-920kc), 7:45 p. m., chimes; 8, WEAF.

WSWS, Chicago, Ill. (275.8m-1090kc), 7-9:30 p. m., evening song service, Rev. Philpott.

WTAM, Cleveland, Ohio. (389.4m-770kc), 6 p. m., Hollenden Hotel orchestra; 7, Park theater orchestra; 8, twilight musicale.

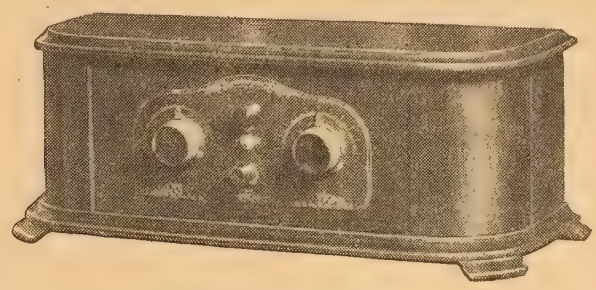
WWJ, Detroit, Mich. (352.7m-850kc), 10 a. m., First Presbyterian church; 2 p. m., Detroit News orchestra; 6:20, WEAF; 8:15, WEAF.

Central Standard Time Stations

KFNF, Shenandoah, Ia. (461.3m-650kc), 10:45 a. m., First M. E. church; 2:30 p. m., Seed house song service; 3, Swedish Mission church; 6:30, Golden Rule circle; 8, Christian church service

KLDS, Independence, Mo. (440.9m-680kc), 6:30 p. m., vesper service, Bertha Burgess, musical director; sermonet, Ralph W. Farrell; 9:15, Robert Miller, organist.

KMA, Shenandoah, Ia. (461.3m-650kc), 4-5 p. m., Harmony Four quartet; 5, Rev. L. A. Lippitt.



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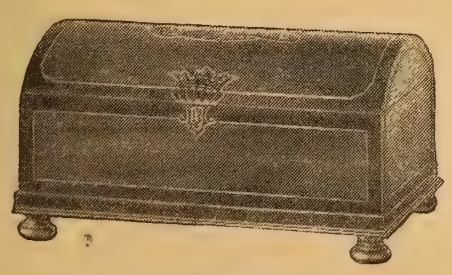

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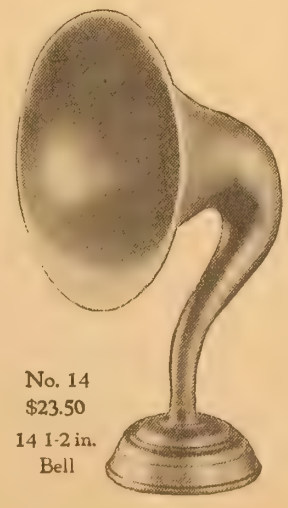

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14 1-2 in.
Bell

Sunday, August 29

KOIL, Council Bluffs, Ia. (305.9m-980kc), 7:30 p. m., Charlestomans; 11, program.
KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10 p. m., Meyer Davis ensemble.
WBAP, Fort Worth, Tex. (475.9m-630kc), 11 a. m., First Methodist church; 9:30-11, Sorin White Top o' Texas orchestra.
WFAA, Dallas, Tex. (475.9m-630kc), 6-7 p. m., Radio Bible class; 8-9, First Presbyterian church; 11-12, Tom D. Collins and his symphony orchestra.
WOAW, Omaha, Nebr. (526m-570kc), 2:30 p. m., classical; 9, chapel service.

Mountain Standard Time Stations

KOA, Denver, Colo. (322.4m-930kc), 10:55 a. m., Trinity Methodist Episcopal church; 4:30 p. m., Shad J. Tinsley, organist; 7:40, Trinity Methodist Episcopal church.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Jim, Jack and Jean trio; 8-9, Aeolian organ; 9-10, Bob Bottger's Venetians; 10-11, Packard Six dance orchestra, Dolly MacDonald, soloist.
KFWB, Hollywood, Calif. (252m-1190kc), 9-11 p. m., Sunday night movie frolic.
KHJ, Los Angeles, Calif. (405.2m-740kc), 7-8 p. m., evening service, First M. E. church; 8-10, Orpheus Four male quartet.

Monday, August 30

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
8	7	6	5	4

WOR (405.2m-740kc), Newark Philharmonic band.

9	8	7	6	5

CNRA (322.4m-930kc), Nova Scotia Provincial exhibition.

9:30	8:30	7:30	6:30	5:30

WGHB (266m-1130kc), Virginia Girl and her Spanish guitar.

9:30	8:30	7:30	6:30	5:30

WBAP (475.9m-630kc), Allene Patterson Duff, contralto.

12	11	10	9	8

CKY (384.4m-780kc), Capitol theater revue.

For stations silent tonight refer to first Monday's list.

Atlantic or Eastern Daylight Saving Time Stations

CKNC, Toronto, Can. (356.9m-840kc), 9 p. m., Eveready Little Symphony orchestra; Capital quartet.
WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30 p. m., N. Snellenburg recital; 8, Carolyn Thomas, soprano; Ella Jacquet Kratz, pianist; 8:30, The Two Rascals; 8:45, The Merry Minstrels; 9:30, Tony and Joe, Italian comedians; 9:45, Chalfont sisters, harmony songs; 10, recital; 10:45, concert.
WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Hotel Madison dinner orchestra; 7:55, John B. Kennedy; 9, Maxwell House coffee ensemble; 10:30, Harold Leonard's Waldorf-Astoria roof orchestra.
WLIT, Philadelphia, Pa. (394.5m-760kc), 8:15 p. m., Arcadia cafe concert orchestra; 9, Stanley hour of music; 10, Arcadia dance orchestra; 10:30, vaudeville features, Fay's theater; 10:45, Ben Franklin El Patio dance orchestra.
WMAK, Buffalo, N. Y. (265.3m-1130kc), 6:15 p. m., Philco Battery serenaders; 7:30-8:15, Buffalo athletic club; 8:15-9, WGY.
WMCA, New York, N. Y. (340.7m-880kc), 6:30 p. m., Ernie Golden and his Hotel McAlpin orchestra; 7:30, Monte Carlo by-the-Sea orchestra; 9:15, Hardman hour of music; 10:30, Hotel Shelburne orchestra; 11, Jack Denny's orchestra; 11:30, Club Brighton orchestra; 12 m., McAlpin entertainers.
WOR, Newark, N. J. (405.2m-740kc), 6:15 p. m., Jacques Jacobs' Hotel Shelton ensemble; 7, Jacques Jacobs' Hotel Shelton ensemble; 7:30, Brooklyn Daily Eagle program; 8, Newark Philharmonic band; 9, Klein's Serenading Shoemakers; 10, Monterey society orchestra; 10:30, Monterey concert quintet; 11:15, Ben Bernie's Berkeley-Carteret orchestra.

Eastern Standard or Central Daylight Saving Time Stations

WGHB, Clearwater, Fla. (265.3m-1130kc), 8:30-10 p. m., Virginia Girl; Max Hartlett, pianist.
WGHP, Detroit, Mich. (270m-1110kc), 6 p. m., dinner concert from Hotel Tuller; 8:30-9, studio program; 9-10, WGHP ensemble and soloists.
WKRC, Cincinnati, Ohio (422.3m-710kc), 6:15 p. m., Alvin Roehr and his Hotel Alms orchestra; 8, Eugene Schmitt, baritone; 8:15, dance program; 8:45, Eugene Perazzo, pianist; 9, American Legion; 12, popular program.
WLW, Cincinnati, Ohio (422.3m-700kc), 7 p. m., Robert Visconti's orchestra; 8, Commercial Tribune feature; 9, Calumet Powder, Rainbo Gardens hour.
WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., dinner hour of music, Speed-Wagon serenaders, Gold Standard ensemble.
WSAI, Cincinnati, Ohio (325.9m-920kc), 9 p. m., operatic concert; 10, Harmony Four orchestra.
WTAM, Cleveland, Ohio (389.4m-770kc), 6 p. m., Hollenden hotel orchestra; 7, Allen theater orchestra; 8, studio program; 11, Emerson Gill and his Bamboo Garden orchestra.
WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7:30, Goldman band concert; 9, Detroit News orchestra.

Central Standard Time Stations

CKY, Winnipeg, Can. (384.4m-780kc), 11 p. m., Capitol theater revue.
KFNF, Shenandoah, Iowa (461.3m-650kc), 7 p. m., concert; 8, poultry talk.
KMA, Shenandoah, Iowa (461.3m-650kc), 9-11 p. m., Corey and Carl.
KMMJ, Clay Center, Nebr. (228.9m-1310kc), 8 p. m., Old Trusty Juvenile band.
KOIL, Council Bluffs, Iowa (305.9m-980kc), 6 p. m., Hotel Lassen; 7:30, Inner-Circle Candy program; 9, Radio Jazz orchestra; 10, Barnyard Twins.
KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10-10 p. m., comedy gems, Meyer Davis orchestra; Clyde Foley, tenor; 10-10:30, Ray Mullins orchestra.
WBAP, Fort Worth, Texas (475.9m-630kc), 7:30-8:30 p. m., Allene Patterson Duff, contralto; 9:30-11, Grapevine Fiddle band.
WFAA, Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m., Hauulea School of Hawaiian music 8:30-9:30, agricultural program.
WHAD, Milwaukee, Wis. (275m-1090kc), 6:10 p. m., Arthur Richter, organist; 8:30, Waldemar Schueler, pianist, and Myrtle Spangenberg, soprano; Cliff Borchardt, baritone, and Vent Callahan, harmonica king.
WOAW, Omaha, Nebr. (526m-570kc), 6:50 p. m., orchestra; 9, classical.
WOS, Jefferson City, Mo. (440.9m-680kc), 8 p. m., Big Four string band.
WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., Andrew Jackson hotel trio; 8, studio program; 10, Vito and his Radio Seven.

Mountain Standard Time Stations

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra; 8, Scheuerman's Colorado orchestra; 8:15, scientific football, Tom McNamara; 8:25, Denver Union Pacific Shop Employe's band.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Owen Fallon's Californians; Jackie Lucas, soloist; 8-9, classic hour; 9-10, program, Walter M. Murphy Motors company, also broadcast by KPO; 10-11, program arranged, Meiklejohn brothers.
KFWB, Hollywood, Calif. (252m-1190kc), 7-8 p. m., program, Dr. Ralph Mitchell and Associated Dentists; 8-9, program, The Sealy company; 9-10, program, American Dye Works; 10-11, Warner brothers, frolic.

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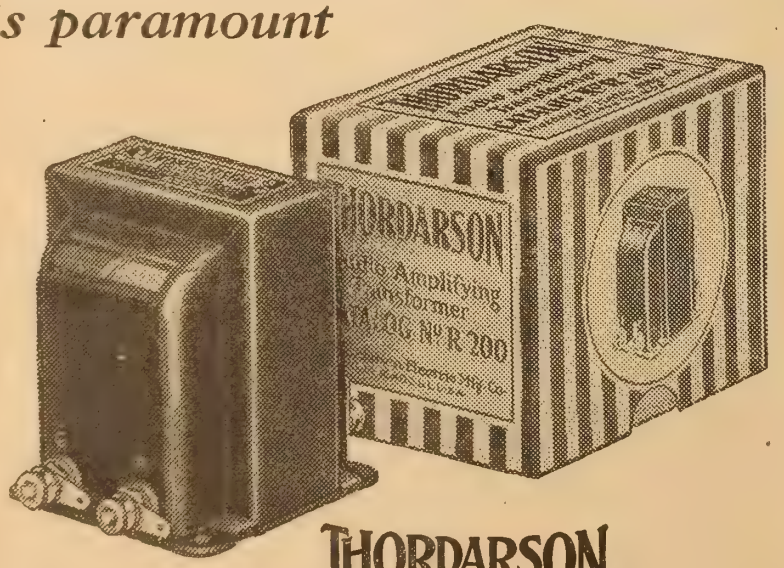

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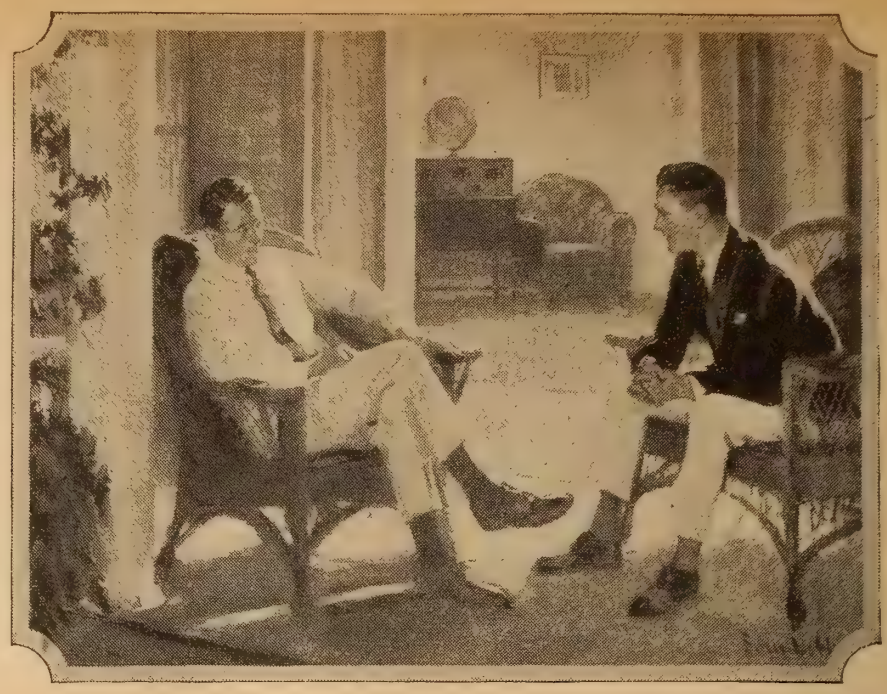

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On all but single tube sets—connect a "C" battery. The length of service given below is based on its use.*

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Follow these rules and you, too, will find that Eveready Radio Batteries offer a most economical, reliable and satisfactory source of radio power. How long they last, of course, depends on usage; so if you listen less you can count on their lasting longer, and if you listen more, they will not last quite so long.

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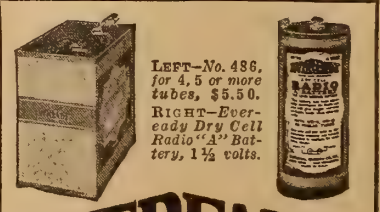
Tuesday night means Eveready Hour—8 P. M., Eastern Standard Time, through the following stations:

WEAF–*New York*
WJAR–*Providence*
WEEI–*Boston*
WTAG–*Worcester*
WFI–*Philadelphia*
WGR–*Buffalo*
WCAE–*Pittsburgh*
WSAI–*Cincinnati*
WTAM–*Cleveland*
WWJ–*Detroit*
WGN–*Chicago*
WOC–*Davenport*
WCCO { *Minneapolis* / *St. Paul*
KSD–*St. Louis*



LEFT–*No. 486, for 4, 5 or more tubes,* $5.50.
RIGHT–*Eveready Dry Cell Radio "A" Battery, 1½ volts.*

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Tuesday, August 31

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
11:30	10:30	9:30	8:30	7:30
WBAP (475.9m-630kc), Wagoner Hawaiian trio.				
9	8	7	6	5
CNRA (322.4m-930kc), Shakespearean evening.				
10:30	9:30	8:30	7:30	6:30
WOAI (394.5m-760kc), Gebhardt Mexican players.				
12:15	11:15	10:15	9:15	8:15
WOAW (526m-570kc), Radio movie club.				
1	12	11	10	9
KOIL (305.9m-980kc), Tillie's Bon-Ton serenaders.				

For stations silent tonight refer to first Tuesday's list.

Atlantic or Eastern Daylight Saving Time Stations

CNRA, Moncton, Can. (322.4m-930kc), 9 p. m., Shakespearean evening, Lt. Col. A. E. Barton, Lorne McKendrick, Russell McCharles, W. V. George, Mrs. F. A. Taylor, Ida Bremmer Malcolm, Dorilda Gastonguay Affleck; 11, CNRA dance orchestra.

WCAU, Philadelphia, Pa., (277.6m-1080kc), 7:30 p. m., Snellenburg recital; 8, concert; 8:10, The Three Brothers; 8:25, Peter Ricci, baritone; 8:45, Charles Higgins, popular songs; 9, Kuehnle's artists; 10, Billy Hays' Cathay dance orchestra.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:45 p. m., Adelphia Roof Garden orchestra; 8, WEAF; 10:30, Greenwich Village Inn orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 8, Steeplechase Pier dance orchestra; 8:30, Steel Pier Minstrels; 9, Chalfonte Haddon dual trio; 10, Emo's weekly movie talk; 10:30, Cummin's Kentuckians dance orchestra; 11, Silver Slipper Supper club dance orchestra; 11:30, Seattle Harmony Kings.

WJZ, New York, N. Y. (454.3m-660kc), 7:05 p.m., Frank Dole; 7:20, Waldorf Astoria roof orchestra; 9, Pennsylvania Railroad hour; 10, Cook's Southern Hemisphere Cruise; 10:45, Geo. Olsen's Hotel Pennsylvania roof orchestra.

WMCA, New York, N. Y. (340.7m-880kc), 6:45 p. m., Jack Windrow, ukelele and songs; 7, Monte Carlo by-the-Sea orchestra; 9, Paul Whiteman's Picadilly Players; 9:30, Columbia Park entertainers; 10:30, Hotel Shelburne orchestra; 11, Ernie Golden and his Hotel McAlpin orchestra; 12 m., McAlpin orchestra.

WOR, Newark, N. J. (405.2m-740kc), 6:45 p. m., Hotel Bretton Hall string quartet; 7:30, Premier Club orchestra; 8:15, Vanderbilt Hotel orchestra; 9, Donald H. Baker, organ recital; 9:45, Jimmy Caruso's frolic; 10:15, Ritz-Carlton dance orchestra.

Eastern Standard or Central Daylight Saving Time Stations

KYW, Chicago, Ill. (535.4m-560kc), 6 p. m., music hour; 7, farm bureau; 8, classical concert; 9:30-11, carnival.

WBBM, Chicago, Ill. (225.4m-1330kc), 5:15-6 p. m., recital, Eddie Hanson, organist; 8-9:30, melody hour, staff artists; 9:30-10, Moss covered melodies; 10-11:30, Varietay hour, Lee Sims, Smith and Ford and staff artists; 11:30-12, Supper club, Howard Osburn's Vanity Fair cafe orchestra.

WGHP, Detroit, Mich. (270m-1110kc), 6 p. m., dinner concert from Hotel Tuller; 8:30-9:30, Dodge Brothers concert band; 9:30-10, studio program.

WGN, Chicago, Ill. (302.8m-990kc), 6:15 p. m., Uncle Walt; 6:45, Drake concert ensemble, Blackstone string quintet; 8-9, Eveready hour; 9-10, Grand opera; 10-10:10, Sam 'n' Henry; 10:10-11, musicale.

WCY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., "The Land of the Midnight Sun;" 6:45, agricultural program; 7:30, WJZ; 8, WJZ.

WHT, Chicago, Ill. (399.8m-750kc), 7-8:30 p. m., Al Carney, organist; Riverview Melody Masters; 8:45-10:15, (238m-1260kc), organ; orchestra; 10:30-1, (399.8m-750kc), Al Carney, organist; Bel Canto male quartet; Ann Slack, cellist; orchestra.

WJAZ, Chicago, Ill. (329.5m-910kc), 9-12 mid., Club Chez Pierre Earl Hoffman's Chez Pierre orchestra; The Quips that Pass in the Night; William Hayden, tenor; Helen Jackson, pianist.

WLIB, Chicago, Ill. (302.8m-990kc), 7 p. m., Million sing; 7:05, Old Fashioned Almanack; 7:15, dinner music; 7:30, WEAF; 11, Correll and Gosden; 11:20, Ambrose Larsen, organist; orchestra.

WLS, Chicago, Ill. (344.6m-870kc), 6:45 p. m., College Inn orchestra; 7:20, Prof. E. Frazier, reader; 7:30, Ralph Emerson, organist; 8:10, College Inn orchestra; 8:20, Ford and Glenn.

WLW, Cincinnati, Ohio. (422.3m-710kc), 6 p. m., opening exercises, Twelfth Annual Pure Food show; 9, Formica symphony orchestra.

WOOD, Grand Rapids, Mich. (241.8m-1240kc), 9 p m., Ye Olde Tyme Songe Feste; 9:45, Melissa Dvorak, pianist; 10:05, studio program.

WREO, Lansing, Mich. (285.5m-1050kc), 6-7 p. m., dinner hour of music, Speed-wagon serenaders, Gold Standard ensemble; 8:15-9:45, band concert, Natural Amphitheater.

WSAI, Cincinnati, Ohio. (325.9m-920kc), 7 p. m., WEAF; 7:30, accordion soloist; Ray Lombardi, baritone; 9, Maids of Melody, Lola Bruce.

WTAM, Cleveland, Ohio. (389.4m-770kc), 6 p. m., State theater vaudeville and music; 7, Salon concert from WEAF; 7:30, Gold Dust Twins from WEAF; 8, Eveready entertainers from WEAF; 9, Moment Musicale from WEAF; 9:30, dance orchestra from WEAF; 10, studio program; 11, Frank R. Wilson's Euclid Beach Park orchestra.

WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7, WEAF.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 8:05-10:30 p. m., University of Nebraska.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10 p. m., Lawson Reid, organist; 9:45-10:30, Meyer Davis orchestra.

WBAP, Fort Worth, Tex. (475.9m-630kc), 7:30-8:30, p. m., Clyde Massengale, baritone; Florence Massengale, pianist; 9:30-11, Wagoner Hawaiian trio.

WFAA, Dallas, Tex. (475.9m-630kc), 6:30-7:30 p. m., Louisiana serenaders; 8:30-9:30, Bon Sory Robertson; 11-12, Jimmy Joy's Baker Hotel orchestra.

WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., studio concert, auspices Mrs. Jane Webster Murrell, soprano.

WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., musical program; 11, Britling's Cafeteria orchestra.

WOAW, Omaha, Nebr. (526m-570kc), 6:20 p. m., popular song period, Lillian Madsen; 6:50, orchestra; 9, George H. Lee company; 10:15, WOAW Radio Movie club.

WSM, Nashville, Tenn. (282.8m-1060kc), 8 p. m., Vincent Kuhn, baritone; Lillian Watt, soprano; Casper Kuhn, violinist.

Mountain Standard Time Stations

CNRR, Regina, Can. (312.3m-960kc), 8 p. m., McQuarrie's concert orchestra; Fragnall trio.

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra.

Pacific Standard Time Stations

KFWB, Hollywood, Calif. (252m-1190kc), 7-8 p. m., program Morris and company; 8-10, studio program; 10-11, Warner Brothers frolic

KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., weekly visit of Queen Titania and the Sandman; 8-10, de luxe studio program; 10-11, L. A. Ry. dance orchestra.

KNX, Hollywood, Calif. (336.9m-890kc), 7-7:45 p. m., program, John A. Vaughn corp.; 7:45, health talk; 8-9, Builders' Finance ass'n program; 9-10, Western Auto Supply Co. program; 10-11, Edgewater club dance orchestra; 11-1 a. m., Ambassador Hotel dance orchestra.

"PRETENSE"

(Continued from page 14)

of the time he devoted himself to the women patrons with appalling success. Tall, slender, lithe, handsome in the dark, Latin way, his appeal was undeniable. He was like a bare flame, a fatal beacon for thoughtless moths. Had he possessed a soul it would have been scarred by innumerable affairs tragic for others. Boris mentally referred to him always as "The Snake."

Masillof looked up now, to find Ricardo gazing straight at him, a devilish, mocking light in his black eyes, his sensuous mouth twisted into a grimace that was more a sneer than a smile.

"Several of your friends are disappointed at your being monopolized tonight," said the dancer suavely. "Especially Jack," he added significantly.

Prince Boris flushed in spite of his effort at self-control. His eyes sparkled angrily. Damn the fellow! How had he found out? Through Jack, of course. But to sit there and mock him before the only person he cared about knowing everything! Masillof's fists clenched until he winced at the pain of the nails biting into his palms. To be ridiculed by such swine! He longed to smash Ricardo's smirking face.

"I shall do as I please!" snapped Prince Boris.

The girl was trying to appear disinterested but she looked askance at the remark. Ricardo smiled as though pleased about something.

WITH a sudden crash the orchestra began a popular number. Evelyn accepted his quick invitation to dance and they whirled away. Masillof gulped the last of his drink and set the glass down with an angry click. He had aged ten years in as many minutes. His face was as impassive as a mask but a network of wrinkles were etched about his eyes. His mind was in a turmoil. He found himself unable to think clearly, to decide what to do. But he must do something. His soul cried out for relief. He couldn't stand this pretense any longer.

"You sure look glum tonight," said a feminine voice at his elbow.

He glanced up into the impish, cynical face of Frascita, the dancer. One of the headliners at the Club Royale, it was her business to be alluringly Latin and exotic. Her clothes were a riot of clashing color; her hair raven black; her complexion a rich warm olive. She played her part to the complete satisfaction of all but a few. Prince Boris was one of the doubters. He possessed only a working knowledge of Spanish, yet her accent was not as good as his own. And she spoke English too well—especially slang. Without make-up her complexion was anything but a rich warm olive. And her eyes were blue. He had his suspicions that she was Irish. She impressed him as the type whose relatives would be bartenders, washerwomen and prize-fighters. But he knew that the general public could not conceive of an alluring Irish dancer, so she was Spanish with the romantic name of Frascita. That infernal pretense again! How he hated it!

She dropped into the vacant chair beside him with cool assurance and lighted a cigarette with practiced dexterity, inhaling the smoke easily with evident relish. Then she surveyed him deliberately, her eyes half-closing to guard against the up-curling smoke. Finally she gave him a half contemptuous smile.

"You look like the last rose of summer."

"I'm tired," he admitted without looking at her, his slender fingers toying with the silver.

"Tired of what?"

He stared at her suddenly, anxiously.

"Just tired, that's all," he snapped.

EVELYN and Ricardo returned, the girl smiling and prettily flushed, the man calm and debonair as usual, not even a single hair disturbed in the glossy black sheath that topped his well-shaped head. That hair always irritated Masillof. Long sideburns dripped from either side and it descended so far in the back that, with the shaved neck, it made one think of a wig.

Ricardo ordered drinks. He and Frascita sipped theirs slowly. Boris drained his glass in a gulp. Evelyn frowned and left hers untouched. She objected to alcohol in large quantities. Masillof realized that he shouldn't have taken that last drink. He had had enough already. But

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his nerves begged for a bracer. His head persisted in whirling round in the most absurd fashion. He trembled with excitement and anger. He was furious at Ricardo, at himself, at everybody. But especially at Frascita. The dancer was devoting herself whole-heartedly to him and he could see growing disapproval in Evelyn's face.

The conversation turned to love. All present had interesting experiences to relate and ideas to advance.

"Prince Boris is my idea of a perfect lover," said Frascita with an arch glance at Masilloff.

Evelyn stared. Her eyes held a dangerous light.

"Is that just an opinion or—" she demanded with deadly calm, then paused, unable to finish. But the sudden flush in her cheeks indicated her feeling.

Frascita shrugged and smiled provokingly at Masilloff in a way to give the inference that her remark was prompted by much more than mere opinion.

"Thanks for the compliment," retorted Boris with a mechanical smile. "But it is entirely unjustified."

He glanced meaningly at Evelyn. She tossed her head and looked away. Under the polished, unperturbed exterior, he was aflame with rage. Frascita seemed to be deliberately hinting that he had been intimate with her. He had never been more than civil. And no one knew it any better than she did. What could be her purpose?

Ricardo extended his cigarette case to Evelyn.

"Won't you have one of my special blend?" he invited.

Boris looked up quickly, his face crying an awful warning. He knew the dancer's system—develop future customers by giving them three or four of his "special" blend. Then when the person's shocked nerves craved the so-called "special blend" Ricardo sold the cigarettes for five dollars each. Another victim in the clutches of a soul-shattering habit.

BUT the girl disregarded his inarticulate warning, accepting one of the little white rolls. Masilloff fumed inwardly. He knew why she had done that. Defiance was visible in her eyes. She was piqued at him and Frascita. He wanted to strangle the woman dancer. But she was so smoothly persistent. She seemed to be in love with him. Or was she in love with the beautiful jewels which he sometimes exhibited to his friends? More likely the latter.

It was immediately evident that Ricardo called his blend "special" with justification. The odor of the cigarette was peculiar. Even the color of its smoke seemed different. And the effect on Evelyn was striking. She paled. The pupils of her eyes dilated. Her smile became wide and set; her breathing quick and shallow. Her voice rose and grew shrill. She laughed hysterically without cause.

Boris raged inwardly. He was afraid, too—for Evelyn. She would be sucked under by this mad vortex of heedless night life if she hadn't the power or the desire to resist it. The rocks were so perilously close and so appallingly easy to reach. And Ricardo! Boris choked with wrath as he thought of the dancer.

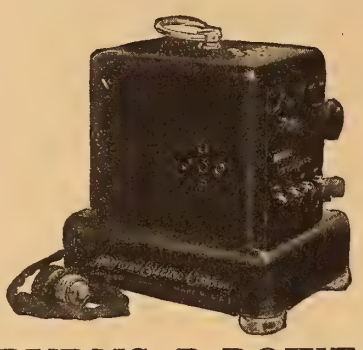
The night's revelry had passed the peak of hilarity and was rapidly descending into sodden stupidity when Evelyn announced her intention of going home. Prince Boris rose with calm assurance. But like the sudden releasing of a coil of steel wire Ricardo leaped to his feet, one slim, crooked-fingered hand resting on the girl's arm, gently but unmistakably possessive. The sight of those smooth brown fingers against the bare white flesh fired Masilloff's soul like a match held to gunpowder. His heart raced. The blood pounded in his temples. For the first time in years emotion mastered him. His arm shot forward and knocked Ricardo's hand away. He noted with delight the blood that rushed into the dancer's swarthy cheeks, giving the face a swollen, threatening look, and hoped the fellow would offer opportunity for further hostilities.

But Ricardo's methods were less direct. His flexible upper lip slowly lifted in a cynical snarl, baring his teeth as does a cornered animal before its superior. His eyes remained cold and deadly, riveted to Masilloff's face, and the fires of the devil smoldered in their inky depths. But his hand returned to the girl's arm.

"I am taking Miss Brent home," he announced.

"Of course you are, Ricardo," assented Evelyn with a scornful glance at Frascita. "Let's go."

Ricardo with his deadly cigarette and the ominous presence of hired gunmen bring out the man beneath the mask of the prince in Masiloff—and you'll be interested to see what happens to Evelyn in the final chapter of this fascinating story of "Pretense," in Radio Digest, September 1.



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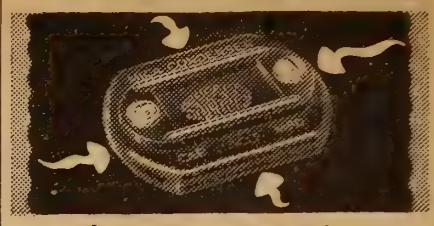

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"THE FALL GUY"

(Continued from page 10)

office opened and several men came out. Dick recognized three of them as traction directors. They were talking in low tones as they passed out into the corridor.

"MR. TELLYHEW will see you now," said Kane.

"Thank you," responded Dick politely as he entered the lion's den.

Tellyhew was pacing up and down the room. Dick stood for a moment unnoticed. Then, as Tellyhew saw him, he stopped short.

"Good morning, Standish," he said, rather grimly. "Sit down."

"After you," responded Dick with a slight nod.

"No; you sit. I can talk better when I walk. I want to tell you our side of this matter, and then you will be at liberty to take such action as you see fit." Dick slipped easily into a chair and waited. Tellyhew continued:

"We were surprised at receiving your communication. We believe the city of Valley View is taking an unreasonable attitude with reference to this Rosehurst matter, but—well, we'll let that pass. Most people seem to think that a corporation has no heart—that it is operated on cold-blooded business lines that spread out like the tentacles of some gigantic octopus, seeking to crush everything within its grasp.

"Well, I'll have you understand, Standish, the Suburban Traction company has a heart and a big one. We admit that the Rosehurst people have a just complaint." He stopped in front of Dick. "You can go back and tell your mayor and city commissioners that we will start work on the Rosehurst line at once."

Dick sprang to his feet. "Do you mean that, Mr. Tellyhew?"

"Every word of it."

"Then I want to say that you're my kind of a man. Will you take my hand?"

"Take it?" cried Tellyhew, with more enthusiasm than Dick had ever seen him display before. "I should say I will." And he did. "And now that the traction business is out of the way, let me tell you that Alice took all the wind out of my sails with her manipulation of those bonds. I had to tell Stevens the whole thing and get him to agree to hush it up."

He laid both hands on Dick's shoulders and looked him squarely in the eyes. "We tried to make you the fall guy, young man, but you came through! Alice is a great girl; please be good to her for my sake."

"Good to her," Dick replied: "I'll be the best husband she's ever had!"

THE END.

DON'T GUESS; MEASURE VOLTAGE

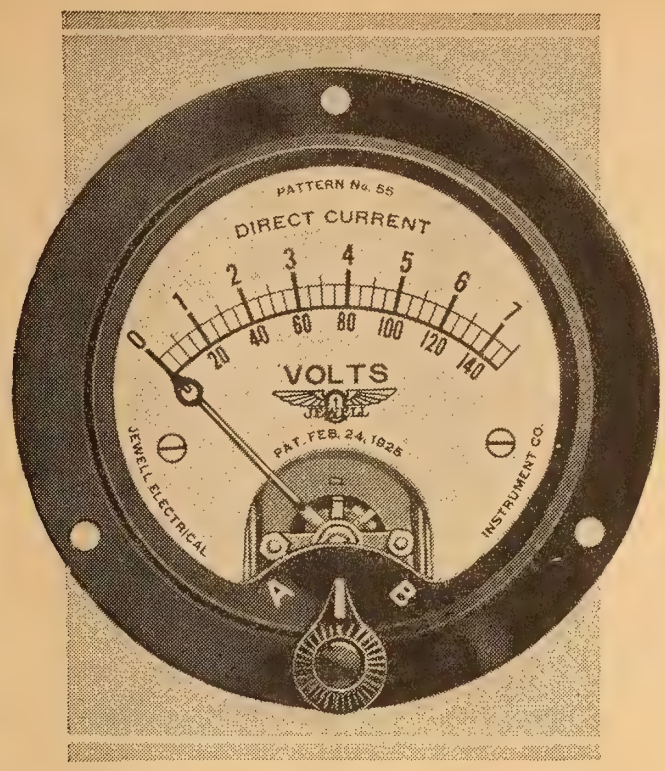

Figure 5

WATCH THE VOLTMETER

(Continued from page 11)

time acts as a control for the "Off" and "On" control of the receiver.

Figure 5 is the front view of a combination voltmeter capable of taking readings for both A and B batteries, which is finding much favor owing to its simplicity of operation. In this device a small knob with pointer is an integral part of the voltmeter. In taking readings, either the A battery or B battery indication is secured through merely setting the pointer through its actuating knob to the type of voltage one desires to read. It is imperative with this particular make that minus B and minus A be connected together in the receiver wiring.

Figure 7 is a rear view of this device together with the essential wiring diagram.

Figures 6, 8 and 9 indicate wiring diagrams of voltmeter connections for both three and four stud instruments, with and without jacks. The four stud instrument being identical with that of the three stud with the exception that the four stud instrument incorporates a separate resistance for the high readings.

Guess-work is always penalized by guess results, one cannot tell whether "cherry red" represents 5 volts or three. Taking the guess-work out of filament temperatures, and the voltage of B batteries is well worth the small expenditure. Standard voltmeters will do this for you and are entitled to a place of prominence in every Radio receiver.

SYD
LIFE LONG "B" BATTERY
UNCONDITIONAL 2-YEAR GUARANTEE
Taken from Laboratory News Notes which appeared in The Chicago Daily News—"The Syd Storage "B" Battery submitted to The Chicago Daily News Radio Laboratory for a test was found satisfactory."

100 VOLTS With a Complete Charger. $15.50
145 VOLTS With a Complete Charger. $21.50
Manufactured and Sold by
SYD STORAGE "B" BATTERY CO.
Dept. S, 1452½ South Wabash Ave.
Opposite Coliseum Calumet 4911
Open till 8 P. M. Sunday Till 2 P. M.
Mail Orders Filled

Televocal QUALITY TUBES
Dependable and a Technical Triumph

A RADIO TUBE that is non-microphonic — won't short. Sold in matched units; tested, balanced and plainly marked detector, radio frequency or audio frequency.

Ask your dealer for this new and better radio tube that costs no more. If he can't supply you with Televocals, send us his name and address on attached coupon.

DEALERS AND JOBBERS—WRITE US

Televocal Corp'n.
67 A FIFTH AVE. - - NEW YORK

Dealer's Name.....
City..... State.....
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.....

"B" BATTERY ELIMINATOR

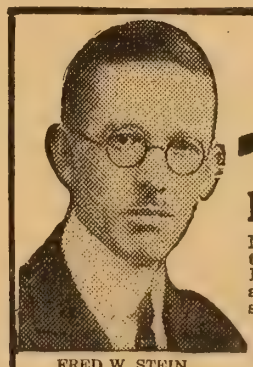
Only $7.95

MONEY-BACK GUARANTEE
Stop being a slave to the "B" Battery nuisance! Throw the old-fashioned cells in the ash can! Hook up a new Roll-O "B" Battery Eliminator in 30 seconds and forget battery troubles forever. This wonderful device means better reception. Sharper tuning. Ends that annoying hum. More real pleasure from your set.

Completely Equipped—No "Extras" to Buy
Operates perfectly on direct or alternating current. Simple directions enclosed—anyone can plug it in to any kind of set. Constant voltage gives set more power without danger of burning out tubes.
Costs no more than set of good "B" batteries. Solidly built in beautifully finished metal case.

Send $1.00
SEND YOUR ORDER NOW!
Don't blame your set because run down "B" Batteries won't let it work right. Order your Eliminator NOW. Write name and address on a piece of paper, pin a dollar bill to it, and mail it TODAY. Pay postman balance ($6.95 plus a few cents postage) when he delivers your Eliminator. Use it five days. If not more than satisfied, return it and get your money back.

THE ROLL-O RADIO CO.
Dept. 1 Third & Sycamore Sts., Cincinnati, Ohio



FRED W. STEIN

Steinite
AERIELIMINATOR
Eliminates Outside Aerial
New principle does away with the troublesome outside antenna. Better, clearer reception, especially for summertime. Reduces static and outside noises. Improves reception of any tube or crystal set. If you don't find it improves your set wonderfully, get refund at once.

$1 Postpaid Anywhere 10-Day Free Trial Money-Back Guarantee

No More Outside Aerial, Once You Install It
No more corrosion from the weather. Free from nearness of neighboring aerials and breakdowns that stop reception. No tools needed, no extra ground or tube—takes the place of your present aerial. Nothing to get out of order. No need now to delay owning a radio, because of aerial trouble. Operate set in any room wired for lights. Attach and turn on—uses no current. Guaranteed not to use any amount of electricity. Two big banks say we are reliable. Order today on money-back guarantee, if not delighted. Dollar bill will do. ORDER TODAY. Ask for radio literature.

Attaches to light socket — uses no current. Make comparison now with your present aerial at my risk.

STEINITE LABORATORIES
Desk 261 Atchison, Kansas

28th YEAR FOUNDED 1899
FREE RAILROAD FARE
LEARN ELECTRICITY
In the Great Shops of
COYNE

In 12 WEEKS
Earn $60 to $200 a Week

Get in the field that offers you the BIG PAY—BE AN ELECTRICAL EXPERT. Coyne is not a Correspondence School. Everything is practical. No books or useless theory. You do actual work on our huge outlay of electrical apparatus—everything from doorbells to power plants—everything to make you a $60 to $200 a week EXPERT. A Coyne trained man can take his place anywhere in the electrical world. Learn in Chicago, the Electrical Center of the World.

You Don't Need Education or Experience Coyne gives you education and experience in actual work. My training is practical and easy to understand.

Free Railroad Fare and Radio and Auto Course FREE!
Right now I am including a free course in Radio. Also a complete course in Auto, Truck and Tractor Electricity and Storage Batteries and I'll pay your railroad fare to Chicago.

Earn While You Learn—We help students to secure part time jobs to earn a good part of their living expenses while training and assist them to a big pay job on graduation.

SEND COUPON NOW!
Don't delay a minute—send that coupon right now for my big free catalog and full particulars of special offer. No obligation on your part at all. ACT NOW!

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Dear H. C.: Please send me free your big new catalog and full particulars of your Free Railroad Fare Offer and two free courses.
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State.....

"VOICE OF MOUNTAINS"

(Continued from page 4)

toona as a public enterprise. He is a veteran enthusiast and is considered one of the best informed amateurs in the country. He maintains a completely equipped Radio laboratory in his palatial home at Ant Hills. He has applied his personal engineering skill to the work of the regular station personnel in making this 100-watter 100 per cent efficient. Other members of the staff are M. G. McCormick, assistant announcer; Byron C. Miller, program director; Wm. K. Aughenbaugh, chief operator, and Lester Davis, assistant operator. Theodore Arter, Jr., is vice-chairman of the board of directors.

A full schedule is maintained. Monday is the only silent day. There are thirty-two programs each week. Special studios are maintained in all the principal public buildings and hotels in Altoona. There are also special broadcasting facilities in the First Methodist, First Baptist, St. Luke's, Christ Reformed and St. Mary's German Catholic churches.

WEAO, OHIO STATE "U"

(Continued from page 5)

the departments. He opens the principal evening program of each week with chimes music, played at Orton hall, and then hurries over to the studio to tell a story to the children. Thousands of Ohio boys and girls know him as "Uncle Al."

Robert Coleman joined the staff as studio announcer after having had considerable experience as musical director and organizer at one of the student centers near the Ohio State campus.

Radio was an important medium for the development of Robert E. Derringer, whose clear tenor voice is heard on the Fort Hayes hotel hour every Thursday night from WEAO. This hour is the oldest of the regular programs of the station, and Derringer probably is the most popular singer of the many individuals heard frequently. Among women singers, Dorothy Stevens Humphrey, who is known alike to Central Ohio and the Chicago district, where she appeared in concerts extensively and sang from WIBO, probably is first choice.

Mrs. Ann Charles has had the assignment of carrying out WEAO's policies for more than two years. She plans her programs, lectures, plays, etc., well ahead, listing in the fall the schedule of educational material for the whole winter. During the past season the variety of subjects covered would have given a liberal education to anyone following them, and the indications are that hundreds or thousands in Ohio do so.

The list included eye conservation talks, Radio, household economics, dairy and livestock talks, sports discussions, golf talks by one of the leading golfers of the country; psychology in business, child training and education; elementary points of law, market trends, sanitation and health matters, practical science and chemistry, veterinary medicine, gardening and landscape, architecture, art, journalism, finance, income taxes, physical training, electrical engineering—in fact, lectures and talks representing almost every department of every college on the campus. In addition the station has sent out addresses on special subjects by many noted educators, scientists and visiting celebrities.

RADIO FILLS CHURCHES

(Continued from page 3)

addition to it, or a substitute where actual attendance is impossible.

A large number of the stations not owned or operated by religious bodies have the Sunday service in charge of various local churches in rotation, a plan which seems satisfactory to all of them. Well-known hymns are the most popular parts of the program and many letters are received asking for this or that particular old favorite. Prayers are avoided by some ministers as not being suitable for this purpose. Most of them try to keep away from specific doctrines and to avoid anything that might be offensive to a listener of another faith.

Collections Are Growing

In fact, it is the fostering of this spirit of broadmindedness and tolerance that several writers gave as being the great contribution of Radio to religion. Stations giving violent and radical religious expression are most apt to be tuned out, while the service run on the strictly humanitarian and undenominational lines, like the Little Brown Church of WLS, offends no one, whatever his belief.

The size of Radio church audiences cannot be computed. Most of the stations in the survey admit frankly they do not know, while some make qualified estimates of 1,000 up to 200,000, but no satisfactory means of counting Radio audiences has been determined.

One feature of growing importance in church Radio is the collection. This is particularly significant, as it must be purely voluntary and straight from the heart. One church writes that in three years their Radio gifts have reached $8,000 without any appeal for funds. The Y. M. C. A. of one town received $400 in one season, also without any solicitation.

One writer comments that the man who is not ashamed to slip a dime in the collection box in church does not hesitate to slip a dollar bill into an envelope in gratitude for some Radio service which he finds particularly inspiring.

CLASSIFIED ADVERTISEMENTS

How about that new set you want to buy? What are you going to do with the old one? A Radio Digest classified advertisement will sell it for you.

Rates are twenty cents a word for each insertion. Five per cent discount for four insertions, 10 per cent discount for six insertions, 15 per cent discount for twelve insertions, 20 per cent discount for twenty-four insertions (each issue for 1 year). Name and address are counted. Two initials count one word. Cash must accompany order. Minimum of ten words. Objectionable and misleading advertisements not accepted.

Copy reaching us not later than August 25 will be in time for our September 15 issue.

DOGS

Beautiful registered bull pups, $15. Bulldogs, 501 Rockwood, Dallas, Texas.

FOR SALE

Motor-Generator Set: Sherman; 500-volt generator driven by ¼ H. P. 110-volt, 60-cycle A. C. Motor. Both units coupled with flexible universal and mounted on cast iron base. Make offer. Radio Digest Laboratory, 510 No. Dearborn St., Chicago.

MISCELLANEOUS

Photos of Your Favorite Radio Stars. Ten cents and coupon appearing on another page of this issue will entitle you to one of the photos from Radio Digest gallery of stars. Radio Digest, 510 North Dearborn Street, Chicago.

PATENT ATTORNEYS

PATENT ATTORNEYS

PATENTS. Booklet free. Highest references. Best results. WATSON E. COLEMAN, Patent Lawyer, 644 G Street, Washington, D. C.

RADIO

600-MILE RADIO, $2.95. Needs no tubes nor batteries. Over 200,000 already sold. A real set, not a toy. Sent postpaid. Order direct from this ad. Crystal Radio Co., Wichita, Kansas.

Radio Builders—We manufacture Radio Cabinets any amount, one cabinet to your season's supply, let us figure with you. Peshtigo Building Supply Company, Peshtigo, Wisconsin.

Closing out all of my Radio stock. 200-ohm potentiometer with silver knob and dial, 10 cents; Howard rheostats 6½, 6¾ or 25-ohm, 75 cents; Filkostats, 50 cents; set eight lettered binding posts, 25 cents; variable condensers with dial and vernier, 13-plate, $1; 23-plate, $1.50; 4-inch black dials, 3—50 cents; 3-inch, 3—35 cents. Bronsteins Pharmacy, 4600 Lincoln Ave., Chicago.

SALESMEN WANTED

A PAYING POSITION OPEN to repre-sentative of character. Take orders shoes-hosiery direct to wearer. Good income. Permanent. Write now. Tanners Shoe Mfg. Co., 8-707 C St., Boston, Mass.

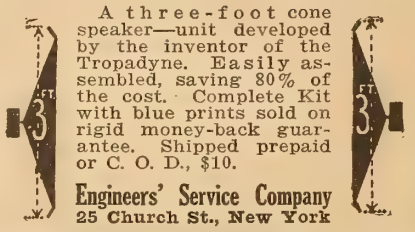
FREE TUNING CHART

Shows wave set is tuned to. Tells where to set dials for any station. Identifies programs received.

Send 2c stamp for sample copy.

RADEX, P. O. Box 143-S, Cleveland, O.

World's Finest Loud Speaker



A three-foot cone speaker—unit developed by the inventor of the Tropadyne. Easily assembled, saving 80% of the cost. Complete Kit with blue prints sold on rigid money-back guarantee. Shipped prepaid or C. O. D., $10.

Engineers' Service Company
25 Church St., New York

LYNCH METALLIZED FIXED RESISTORS

ARE WARRANTED

Absolutely Noiseless—Dependable Permanently Accurate

MEMBER RMA

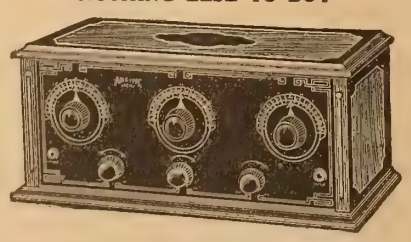
Write for complete information

ARTHUR H. LYNCH, Inc.
Fisk Bldg., Broadway & 57th St., New York, N. Y.

ATEC FIVE

$85 Complete

NOTHING ELSE TO BUY



A trial will convince you that this is the set to buy.

Have your dealer demonstrate the ATEC to you. If he does not handle them write us direct.

Dealers write for exclusive proposition

Atec Products

Manufactured by

Able Tool & Engineering Co.
536 W. ELM ST. CHICAGO, ILL.

BATTERIES $7.98

6 V. 100 Amp. One piece, solid rubber cases.

GUARANTEED 2 YEARS
2% Discount Cash With Order.

CHICAGO BATTERY WORKS
1214 S. Peoria St. Chicago, Ill.

Use Your Radio as an Electric Phonograph

Results equal to the new high-priced Electric Phonographs now appearing on the market.

Inexpensive to hook up. Does not spoil set for radio use. Send $1.00 for complete plans.

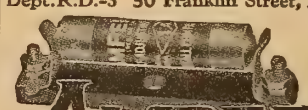
Mogle & McClelland
1024 MAIN WINFIELD, KANSAS

No Noises!

Tones clearer, voices more distinct, and volume greater with—AMPERITE. No moving parts. It brings the utmost out of each individual tube. Specified in all popular construction sets. Price $1.10.

Radiall Company

Dept. R.D.-3 50 Franklin Street, New York City



Write for FREE Hook-ups

AMPERITE

REG. U.S. PAT. OFF.

The "SELF-ADJUSTING" Rheostat

A&B Battery Charger ONLY $2

SATISFACTION GUARANTEED

Charges any type of storage A or B battery, using a few cents worth of ordinary house current, either alternating or direct. Cannot injure battery. Complete directions enclosed. Anyone can operate. No expensive "extras" to buy.

Why pay $10.00 to $15.00 for a charger when you can get this splendid GUARANTEED R.B. Charger by mailing us two dollars (bills, money-order, check or stamps) plus ten cents in stamps or coin to pay mailing costs. Charger will be sent postpaid. If not satisfied return within five days and we will refund your money. Order at once—TODAY.

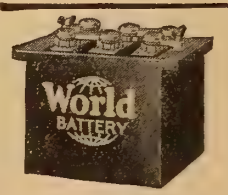
R. B. SPECIALTY COMPANY
Dept. A-47 308 East Third Street
CINCINNATI, OHIO

THE
McQuiddy Press
Announces the Publication of
"HOWDY JUDGE!"

A volume of dialect stories in character—brim full of wholesome humor, by

GEORGE D. HAY
"The Solemn Old Judge"

Orders are being received by The McQuiddy Press, 110 Seventh Avenue North, Nashville, Tennessee. $1.25 per copy. First issue out August 20th.



6-Volt Storage Radio "A" Battery

Most amazing battery value ever offered! A genuine World 6-Volt Radio "A" Battery with 25 ampere capacity for only $5.00! Just the thing for Trickle Charger. Famous World Quality assured. Equipped with

Solid Rubber Case

an assurance against acid and leakage. *Order Now.* We ship same day—by express C. O. D. subject to your examination on arrival. *Extra Offer:* 5% discount for cash in full with order. ACT TODAY!

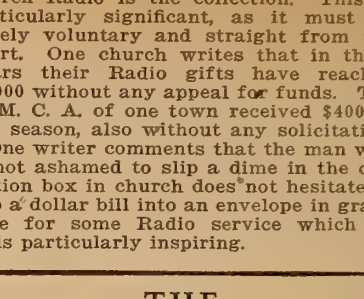
$5.00 C. O. D. Send No Money

World STORAGE BATTERIES

WORLD BATTERY CO.
Dept. 148,
1219 S. Wabash Ave., Chicago

KDKA - WEAF - WGN - WJS - KHJ - KGO - KFAF - WJY - KOP

FIBRE RADIO HORNS



No. 2440
7x7x8½ Inches Deep

Hardsocg Horns are acoustically and mechanically correct and deliver pure full tones without distortion or vibration. Being made of long-grain wood fibre they are the lightest horn made and are practically indestructible.

No. 2440 Complete with High Grade Unit **$5.00**

Unit Only **$2.00**

Send for circular of other models

HARDSOCG MFG. CO.
Ottumwa, Iowa

22½ Volt un-acid everlasting rechargeable **"B" STORAGE BATTERY**

$2.95 Includes Chemical

45 volts, $5.25; 90 volts, $10.00; 112½ volts, $12.50; 135 volts, $14.75; 157½ volts, $16.80. Truly the biggest buy today. Easily charged on any current including 32-volt systems. Any special detector plate voltage had. Tested and approved by leading authorities such as Popular Radio laboratories. Over 3 years sold on a non-red tape 30-day trial offer with complete refund if not thoroughly satisfied. Further guaranteed 2 years. Knockdown kits at great savings. Complete "Hawley" "B" battery charger, $2.75. Sampel cell, 35c. Order direct—send no money—simply pay the expressman cost on delivery. Or write for my free literature, testimonials and guarantee. Same Day shipments. B. Hawley Smith, 817 Washington Ave., Danbury, Conn.

Radiophone Broadcasting Stations

Corrected Every Issue—Part II

ONE DOLLAR will be paid to the Radio fan reader of Radio Digest submitting the most errors in any one station's listing in the Directory of Radiophone Stations, which appears in six parts, serially continuously on the next to last page. Letters must reach Radio Digest's office not later than one week from date of issue corrected. Readers are not limited to correcting one station, but such corrections must be verified by the stations themselves, and NOT by comparison to other so-called accurate Radio directories or lists. Verifications must accompany corrections. Turn in corrections for as many stations as you can find—if you can find errors! Use separate sheet of paper for each station submitted and place name and address on each sheet. In case of tie, duplicate awards will be made. Until wave lengths become stable again, we will not be able to count these in the challenge.

United States (Cont'd)

(Note—The second part of the schedule list appears below. The first appeared last issue.)

KMTR, Los Angeles, Calif. 238m-1260kc. 500 watts. Echophone Mfg. Co.

KNRC, Los Angeles, Calif. 208.2m-1440kc. 500 watts. C. E. Boone. Announcer, Tom Mitchell. Mon, 2-3 pm; 8-10. Tues, 8-10 pm. Wed, 7-10 pm. Thurs, 2-3 pm; 8-10. Fri, 8-10 pm. Sat, 8 pm. Pacific.

KNX, Hollywood, Calif. 336.9m-890kc. 500 watts. Los Angeles Evening Express. Announcer, "Town Crier." Daily ex Sun, 7:30 am, exercises; 8, prayer; 8:55, time; 9, news; 10, Town Crier; 10:30, economics; 1:30 pm, book talk; 2-4, 4:55, markets; 5, children's half-hour; 5:30, music; 6, Town Tattler; 6:15, travel talk; 6:30, dinner music. Mon, Tues, Wed, Thurs, Fri, 7-12 midnight. Sat, 7-2 am. Sun, 10-12:30 pm, church service; 12:45-1:45, 2-4, 6:30-9, 9-10:30. Pacific.

KOA, Denver, Colo. 322.4m-930kc. 5,000 watts. General Elec. Co. Daily ex Sun, 11:45 am, weather, road reports, markets; Daily ex Sat, Sun, produce. Daily ex Sun, 12:15 pm, organ. Tues, Thurs, Fri, 3:15 pm, relaxing exercises, matinee for housewives, culinary hints, fashion review. Daily ex Sat, Sun, 6 pm, stocks, markets, produce, news bulletins; 6:30 pm, dinner concert. Mon, 7:30 pm, Sandman's hour. Tues, farm question box. Wed, Book of Knowledge. Thurs, dinner concert. Fri, Sunday school lesson. Mon, Wed, Fri, 8 pm, orchestra; 8:15 pm, regular program. Wed, 10 pm, dance program. Sat, 9 pm. Sun, 10:30 am, and 7:30 pm, service; 5 pm, music. Mountain.

KOAC, Corvallis, Ore. 280.2m-1070kc. 500 watts. Oregon Agricultural College.

KOB, State College, N. M. 348.6m-860kc. 1,000 watts. N. M. College of Agri. & Mech. Arts. Announcer, Robert Stewart. Slogan, "The Sunshine State of America." Daily 11:55-12:30 pm, time, weather, markets, road reports, news; 9:55-10:10, time; weather, road reports. Mountain.

KOCH, Omaha, Nebr. 258.5m-1160kc. 250 watts. Central H. S. Announcer, C. H. Thompson. Mon, Tues, Thurs, 8:30-10 pm. Sat, 12 midnight. Sun, 3:30 pm. Central.

KOCW, Chickasha, Okla. 252m-1190kc. 200 watts. Okla. College for Women. Tues, Thurs, Sat, 8 pm, music. Wed, 10 am, chapel. Central.

KOIL, Council Bluffs, Iowa. 303.9m-980kc. 500 watts. Mona Motor Oil Co. Announcer, Howard Martin Daily ex Sun, 11-12 n. Tues, Thurs, Fri, Sat, 6-9 pm, 11-12. Sun, 11-12 n, 7:30-9 pm, 11-12. Central.

KOIN, Portland, Ore. 319m-940kc. 1000 watts. Portland News. Slogan, "Hood River Apples from Portland, Ore." Daily ex Sun, 12-1 pm; 3-4. Mon, Tues, Wed, Thurs, Fri, 8-10 pm. Mon, 10-11 pm. Wed, 7-8 pm. Fri, 6-7 pm. Sun, 7:50-9 pm, service; 9:15-10:15. Pacific.

KOMO, Seattle, Wash. 305.9m-980kc. 1000 watts. Bert F. Fisher. Tues, 7-8 pm, 8-9. Wed, 8-9:30, 9-10. Fri, 7-8 pm, 9-10, 10:15-12. Sun, 1-2 pm, 9:10-10:10, church service. Pacific.

KOWW, Walla Walla, Wash. 256 3m-1170kc. 500 watts. Blue Mt. Radio Association. Slogan, "The Valley They Liked So Well They Named It Twice." Mon, Thurs, Fri, 7-7:30 pm, 8-12. Tues, 7-7:30 pm. Wed, 12-1 pm, 7-7:30, 9-12. Thurs, 12-1 pm. Sat, 2-7 pm, 7-7:30, 9-12. Pacific.

KPO, San Francisco, Calif. 428.3m-700kc. 1,000 watts. Hale Bros., and the Chronicle. Announcer, Clair E. Morrison. Slogan, "The Voice of San Francisco, The City by the Golden Gate." Daily ex Sun, 7-7:30 am, 8, daily dozen; 10:30 am, amusement service; 12 noon, time, scriptures, weather, markets. Daily ex Sun, 12:10-7:30, music, baseball, markets. Mon, Tues, Wed, Thurs, Fri, 8-11 pm, entertainment. Tues, Wed, Thurs, 10:35 am, markets. Wed, 3:30 pm, style talk. Fri, 12:45 pm, luncheon; 5:30-7:30 pm. Sat, 8-12 midnight. Sun, 9:45 am, service; 5-6 pm, organ; 6-6:30, orchestra; 6:35-10, music. Pacific.

KPPC, Pasadena, Calif. 228.9m-1310kc. 50 watts. Pasadena Presbyterian church. Announcer, G. Anton Pohlman. Wed, 7:30-9 pm. Sun, 10:30-12:30 pm. Pacific.

KPRC, Houston, Texas. 296.9m-1010kc. 500 watts. Houston Post-Dispatch. Slogan, "Kotton Port Rail Center." Announcer, Alfred P. Daniel. Daily ex Sun, 10:55 am, time; 11, weather, farm news; 12 noon, entertainment. Daily ex Sat, Sun, Fri, 6:30 pm, Uncle Judd's kiddies' hour; 7:30-9:30, concert. Sun, 10:45 am, 8 pm, services; 9:30-12, music. Central.

KPSN, Pasadena, Calif. 315.6m-950kc. 1,000 watts. Pasadena Star-News. Tues, Thurs, 8-9 pm. Sat, 8-9 pm. Sun, 10:30-12:30 am. Pacific.

KQV, Pittsburgh, Pa. 275.1m-1090kc. 500 watts. Doubleday-Hill Elec. Co. Daily ex Sat, Sun, 10:30 am, music; 3, music. Sat, 10:30 am. Eastern daylight.

KQW, San Jose, Calif. 230.6m-1300kc. 500 watts. First Baptist church.

KRE, Berkeley, Calif. 256.3m-1170kc. 150 watts. Daily Gazette. Announcer, D. L. Black. Daily ex Sun, 7:30 am, 11:15, 5:30 pm. Mon, 8-10 pm. Tues, 9-11 pm. Thurs, 8-10 pm, 10-11. Fri, 9-12 midnight. Sat, 8-1 am, dance program. Sun, 10-11 am, church; 6:30-7:30 pm; 8-9. Pacific.

KSAC, Manhattan, Kan. 340.7m-880kc. 500 watts. Kansas State Agricultural College. Announcer, George Gemmell. Daily ex Sat, Sun, 9-10 am, 9:55, 12:35 pm, 4:30, 6:30. Sat, 12:35 pm. Central.

KSD, St. Louis, Mo. 545.1m-550kc. 500 watts. St. Louis Post-Dispatch. Daily ex Sun, 8:40 am, 9:40, 10:40, 11:40, 12:40 pm, 1:40, 2:40, 3:40. Mon, 8, 9, 10. Tues, 6-7 pm, 8. Wed, 6-8 pm. Fri, 6-9:30 pm, 7:30, 8, 9, 10. Sat, 7 pm, 8:30, 9:30. Thurs, 6-9:30 pm. Sun, 5:15 pm; 7:15. Central.

KSL, Salt Lake City, Utah. 299.8m-1000kc. 1,000 watts. Radio Service Corp. of Utah. Announcer, Charles H. Hays. Daily ex Sun, 7:30 pm. Mon, Wed, 7:30 am, 7:45, 8. Mon, 6:30 pm, 7:15, 7:30, 8, 8:30. Tues, 7 pm, 7:15, 7:30, 8, 9. Wed, 10 am, 6:15 pm, 6:30, 7, 7:30, 8:30, 9:30. Thurs, 7 pm, 7:30, 8, 8:30. Fri, 7:15 am, 10, 6:30 pm, 7:15, 7:30, 8, 9. Sat, 7:15 pm, 7:30, 10. Sun, 11 am, 3 pm, 5, 7:30, 9, 10. Mountain.

KSMR, Santa Maria, Calif. 209.7m-1430kc. 100 watts. Santa Maria Valley Railroad Company. Mon, Wed, Fri, 6:30 am. Tues, Thurs, Sat, 6:30 am, 8, 8:30, 8:45. Tues, Thurs, 7 pm, 7:30. Pacific.

KSO, Clarinda, Iowa. 241.8m-1240kc. 500 watts. A. A. Berry Seed Co. Announcer, Joe Faassen. Slogan, "Keep Serving Others." Daily ex Sat, Sun, 12 n, talks; 12-1 pm, 8-9:30. Sun, 12-1 pm. Central.

KTAB, Oakland, Calif. 302.8m-990kc. 1,000 watts. The Associated Broadcasters. Daily ex Sun, 9-9:30 am, prayer service. Daily ex Sat, 7-7:30 pm, 8-10 pm. Sun, 10 am, 11; 7:45 pm. Pacific.

KTBI, Los Angeles, Calif. 293.9m-1020kc. 750 watts. Bible Inst. of Los Angeles. Announcer, M. E. Carrier. Daily ex Sun, 8:30 am, 2 pm, 7:15-9:30. Sun, 10:45 am, 6 pm, 7:15, 9:30. Pacific.

KTBR, Portland, Ore. 263m-1140kc. 50 watts. Brown's Radio Shop. Pacific.

KTHS, Hot Springs National Park, Ark. 374.8m-800kc. 1000 watts. The new Arlington hotel. Announcer, G. C. Arnoux. Slogan, "Kum to Hot Springs." Mon, Tues, Thurs, 12:30-1 pm, markets, weather, music. Fri, 12:30-1:30 pm, Farmers' Radio Chautauqua. Sat, 12:30-1:20 pm, boy's talk, Bible class, music, weather, markets. Daily, 9-11:30 pm, concerts. Sun, 11-12:15 pm, church services; 9-10 pm, classics; 10-11:30 pm, Arkansas Traveler frolic. Central.

KTNT, Muscatine, Iowa. 256m-1170kc. 500 watts. Tangley Calliaphone company. Announcer, Marvin Lueke. Slogan, "The Homefolks' Station." Daily ex. Sun, 12-12:30 pm, 6-7:30 pm. Sat, 12-12:30 pm. Sun, 6-7:30 pm. Central.

KTW, Seattle, Wash. 454.3m-660kc. 1500 watts. First Presbyterian church. Announcer, J. D. Ross. Slogan, "Hear Ye, Hear Ye, the Gospel." Sun, 11-12:30 pm, 3-4:30, 7-9:30, church service. Pacific.

KUOA, Fayetteville, Ark. 299.8m-1000kc. 750 watts. University of Arkansas. Off the air for the summer.

KUOM, Missoula, Mont. 243.8m-1230kc. 500 watts. University of Montana. Off the air for the summer.

KUSD, Vermillion, S. D. 277.6m-1080kc. 100 watts. University of South Dakota. Announcer, Sidney Lawton. Slogan, "South Dakota University for South Dakotans."

KUT, Austin, Texas. 230.6m-1300kc. 500 watts. University of Texas. Announcer, Orlando J. Murphy. Mon, Wed, 8 pm. Sun, 11 am, 3:30 pm. Central.

KVOO, Bristow, Okla. 374.8m-800kc. 1000 watts. Slogan, "Voice of Oklahoma." Daily ex Sun, 7-9 am; 11:30-12:30 pm., 3-4 pm; 6-9; 12. Central.

KWCR, Cedar Rapids, Iowa. 277.6m-1080kc. 500 watts. Announcer, H. F. Paar. Slogan, "The Voice of Cedar Rapids." Mon, Wed, Sat, 4:15-5 pm, 9-10:30. Mon, 10:45 pm. Sun, 11 am, 5:15-5:45, 5:45-6:30. Central.

KWG, Stockton, Calif. 247.8m-1210kc. 50 watts. Portable Wireless Telephone Co. Announcer, Cecil T. White. Slogan, "Voice of the San Joaquin Valley." Daily ex Sun, 4-5 pm, news, concert, markets. Tues, Wed, Fri, 8-9 pm, concert. Sun, 6-7 pm, service. Pacific.

KWKC, Kansas City, Mo. 236.1m-1270kc. 100 watts. Wilson Duncan Studios. Slogan, "Keep Watching Kansas City." Tues, Wed, Thurs, Fri, 7 pm, 9. Central.

KWKH, Shreveport, La. 312m-960kc. 500 watts. W. G. Patterson, Henderson Iron Works & Supply Co. Announcer, W. G. Patterson. Mon, 8-9:30 pm, music. Tues, Sat, 9-12 midnight. Thurs, 8-9:30 pm. Sat, 9-12, dance. Sun, 9:30-10:30 am, music; 11-12 m, 5-6 pm, 7:30-9. Central.

KWSC, Pullman, Wash. 348.6m-860kc. 500 watts. State College of Washington. Announcer, Phil Hitchcock. Off the air for the summer.

KWUC, Le Mars, Iowa. 252m-1190kc. 50 watts. Western Union College. Announcer, Rex Frolkey. Slogan, "The Best Fifty Watt Station on the Air." Mon, Wed, Fri, 7:30-9 pm. Sun, 3-4 pm. Central.

KWWG, Brownsville, Texas. 277.6m-1080kc. 500 watts. Brownsville Chamber of Commerce. Slogan, "Kum to the World's Winter Garden." Daily ex Sun, 12 m, 6 pm. Mon, Thurs, 8:30-11:59 pm. Central.

KYW, Chicago, Ill. 535.4m-560kc. 3,500 watts. Westinghouse Elec. & Mfg. Co. Daily 11 am, time, weather. Daily ex Sun, 11:35-11:55 am, home hour; 12-2 pm; 2:30-4, frolic; 4-4:15, World Crier; 5:45-6, markets; 6-6:15, KDKA; 6:30-7, music; 7-7:30, bedtime story. Daily ex Sun, Mon, 11, time, weather; 11-12, Mon, Thurs, Fri, 4:15-4:30 pm, Fri, 4:30-5 pm. Tues, Wed, Thurs, Sat, 7:30-8 pm; 8-9. Tues, Thurs, Fri, Sat, 9-10 pm. Tues, Wed, Thurs, Fri, 10-11 pm. Sat, 12-1 pm. Sun, 11:35 am, Central; church; 2:30-3:30 pm, chapel; 4:30-5:30, concert; 7, Sunday Evening club; 9:30-11, music. Central.

KZIB, Manila, P. I. 249.9m-1200kc. I. Beck, Inc.

KZM, Oakland, Calif. 239.9m-1250kc. 100 watts. Western Radio Institute (Hotel Oakland). Announcer, Elbert Cowan. Daily ex Sun, 6:30-7 pm, orchestra. Pacific.

KZRQ, Manila, P. I. 222m-1350kc. 500 watts. Radio Corporation of the Philippines. Slogan, "Radio Manila."

KZUY, Baguio, P. I. 360m-833kc. Variable power. F. Johnson Elser.

NAA, Radio, Va. 434.5m-690kc. 1,000 watts. United States Navy Dept. Daily ex Sun, 10:05-10:20 am, 11:55. time; 3:45-4 pm, 9:55, 10:05-10:20. Tues, 2:45-3 pm. Tues, Thurs, 6:45-7 pm. Mon, Tues, Wed, Thurs, 7:25-8 pm. Mon, Tues, 8:05-8:20 pm; Mon, 8:25 pm. Wed, Fri, 8:45-9:40 pm. Eastern.

WAAD, Cincinnati, Ohio. 258.5m-1160kc. 25 watts. Ohio Mechanics Institute. Sat, 9:45 pm. Central daylight.

WAAF, Chicago, Ill. 277.6m-1080kc. 200 watts. Chicago Daily Drovers Journal. Announcer, Carl Ulrich. Daily ex Sun, 8:45 am, 10:50, 11, 12:50 pm. Daily ex Sun, Sat, 3 pm, 4:30, live stock and weather reports. Central.

WAAM, Newark, N. J. 263m-1140kc. 500 watts. I. R. Nelson Company. Daily ex Sat, Sun, 11 am; 6 pm. Tues, Fri, 10:30 am; 11:30. Sat, 6 pm. Sun, 11 am. Eastern daylight.

WAAW, Omaha, Nebr. 384.4m-780kc. 500 watts. Omaha Grain Exchange. Slogan, "Where Agriculture Accumulates Wealth. Daily ex Sun, 8:30 am, 8:45, 9:15, 9:45, 10:15, 10:45, 11:15, 11:45, 12:15, 1-8 pm. 277.6m-1080kc, Tues, Thurs, Sat, 9-10 pm. Central.

WABB, Harrisburg, Pa. 204m-1470kc. Harrisburg Radio Co.

WABC, Asheville, N. C. 254.1m-1180kc. 20 watts. Asheville Battery Co., Inc.

WABI, Bangor, Me. 239.9m-1250kc. 100 watts. First Universalist church.

WABO, Rochester, N. Y. 277.6m-1080kc. 100 watts. Lake Avenue Baptist church. Announcer, Morse Clark. Sun, 10:15-12 noon, 7:15-9 pm. Eastern daylight.

WABQ, Haverford, Pa. 260.7m-1150kc. 100-1000 watts. Haverford College Radio club. Announcer, Gerald C. Gross. Mon, 7:30-9.15 pm. Fri, 8-9:30 pm. Mon, Fri, 11-12:30 am, organ. Eastern.

WABR, Toledo, Ohio. 263m-1140kc. 50 watts. Scott High School. Daily, 9:15 am, garden talk. Central.

WABW, Wooster, Ohio. 206.8m-1450kc. 50 watts. The College of Wooster, Dept. of Physics. Announcer, Frank C. Isely. Off the air for the summer.

WABX, Mt. Clemens, Mich. 245.8m-1220kc. 500 watts. Henry B. Joy.

WABY, Philadelphia, Pa. 241.8m-1240kc. 50 watts. John Magaldi, Jr. Slogan, "Quaker City Sleep Dodgers." Club, "The American Broadcasting Club." Sun, 9 pm, music; 10:30, "Sleep Dodgers' Session." Eastern daylight.

WABZ, New Orleans, La. 275.1m-1090kc. 50 watts. The Coliseum Place Baptist church. Announcer, W. C. Clemmons. Slogan, "The Station with a Message." Sun, 11-12:15 pm, 7:30-8:45, church service. Central.

WADC, Akron, Ohio. 258.5m-1160kc. 500 watts. Allen Theater Broadcasting Station. Daily ex Sun, 11-12 noon, Tues, Fri, 8-11 pm. Thurs, 9-11 pm. Fri, 12 mid-2 am. Sun, 12:30-1:30 pm. Eastern.

WAFD, Port Huron, Mich. 275.1m-1090kc. 500 watts. Albert B. Parfet Co. Announcer, Stanley G. Smith. Slogan, "Gateway to the Great Lakes." Mon, 8-12 mid. Wed, Fri, 8-10 pm. Sat, 12 mid. Sun, 10:30 am; 7:30 pm. Eastern.

WAGM, Royal Oak, Mich. 225.4m-1330kc. 50 watts. Robert L. Miller. Mon, 8-12:30 am. Wed, Fri, 8-10:30 pm. Central daylight.

WAHG, Richmond Hill, N. Y. 315.6m-950kc. 500 watts. A. H. Grebe & Co. Slogan, "Wait and Hear Grebe." Daily ex Sun, 12-1:30 pm. Mon, Wed, Fri, 7:30-11:30 pm, 12-2 am. Sat, 12-2 am. Eastern daylight.

WAIT, Taunton, Mass. 228.9m-1310kc. 10 watts. A. H. Waite & Co., Inc.

WAIU, Columbus, Ohio. 293.9m-1020kc. 500 watts. American Insurance Union. Announcer, Roy Snoufer. Daily ex Sun, 11:55 am, time; 12-1 pm, news, markets, weather. Mon, 6-7 pm, 8-9:30, 10:30-11:30. Tues, 6-7 pm, 11-12. Wed, 6-7 pm. Thurs, 6-7 pm. Fri, 6-7 pm, 8-9:30, 10:30-12. Sat, 9:15-11 pm. Sun, 3-4 pm. Eastern.

WAMD, Minneapolis, Minn. 243.8m-1230kc. 1,000 watts. Radisson Radio Corporation. Slogan, "The Call of the North." Daily ex Sun, Tues, 12 m, 12:01 pm, 6:55, police alarms, 7. Mon, 1 pm, 5:45, boys' club; 7:20, program; 11. Tues, 12 n, 12:30 pm. Wed, 7:05 pm, talk; 7:10, 11. Thurs, 1 pm, 6:15, dinner concert; 7:01, 7:10. Fri, 1 pm, 7:01, 7:10, 8, 11. Sat, 1 pm, 6:15, 7:05, talk; 7:10, 11:30. Sun, 10:30 am, 2:45 pm, 6:15, 6:45, 9:30. Central.

WAPI, Auburn, Ala. 247.8m-1210kc. 1000 watts. Alabama Polytechnic Institute.

WARC, Medford Hillside, Mass. 260.7m-1150kc. 100 watts. The Amrad Corp.

WATT, Boston, Mass. 243.8m-1230kc. 100 watts. Edison Elec. Illuminating Co.

WBAA, W. Lafayette, Ind. 272.6m-1100kc. 250 watts. Purdue university. Daily ex Sun, 9:50 am, stocks, markets, weather. Mon, Fri, 7:15 pm, special program. Central.

WBAK, Harrisburg, Pa. 275.1m-1090kc. 500 watts. Pennsylvania State Police. Announcer, A. E. Poorman. Daily ex Sun, 10 am, 1 pm, 2, 3:30, 5:45, police reports, fire protection, farm news; 12 midnight, police reports. Mon, Tues, Wed, 7:30 pm, special. Eastern.

WBAL, Baltimore, Md. 245.8m-1220kc. 5000 watts. Consolidated Gas, Elec. Light & Power Co. Mon, Thurs, 6-10 pm. Tues, Fri, 6-10 pm. Sun, 7-8:30 pm. Eastern.

WBAO, Decatur, Ill. 270.1m-1110kc. 100 watts. James Millikin University. University activities. No definite schedule.

WBAP, Fort Worth, Tex. 475.9m-630kc. 1,500 watts. Fort Worth Star-Telegram. Announcer, "The Hired Hand." Club, "Radio Truth League." Daily ex Sun, 9, 10, 11, 12 m, 1 pm, 2, 3, "Port of Missing Men." Mon, Tues, Thurs, Fri, Sat, 12:05-12:30 pm, 7:30-8:30, 9:30-11, concert. Mon, Thurs, Fri, 11-12 midnight. Sun, 11 am, church; 9:30-11. Central.

WBAR, Sisiht, Wis. 270.1m-1110kc. 500 watts. Kopp Radio Co. Slogan, "The Station of Northern Wisconsin." Mon, 9-10 pm. Wed, 8-9 pm. Thurs, 7:30-8:30. Sun, 10-11 pm. Central.

WBAW, Nashville, Tenn. 241.8m-1240kc. 100 watts. First Baptist church. Announcer, Harry Stone. Sun, 7:30 pm. Central.

WBAX, Wilkes-Barre, Pa. 256.3m-1170kc. 100 watts. John H. Stenger, Jr. Slogan, "In Wyoming Valley, Home of the Anthracite."

WBBL, Richmond, Va. 228.9m-1310kc. 100 watts. Grace Covenant Presbyterian church. Announcer, W. L. Pierce. Tues, 8 pm. Sun, 11 am, 7:45 pm. Eastern.

WBBM, Chicago, Ill. 225.4m-1330kc. 1,500 watts. WBBM Broadcasting. Announcer, Nate Caldwell. Slogan, "World's Best Broadcast Medium." Daily ex Sun, 4-6 pm. Mon, 12:02-2 pm; 4-7. Thurs, 12:02-2 am. Sun, Wed, Thurs, Fri, 8-10 pm. Tues, 8-12 mid. Sat, 8-2 am. Sun, 12:30-2 pm. Central daylight.

WBBP, Petoskey, Mich. 238m-1260kc. 200 watts. Petoskey High School. Announcer, Carl Bowman. Tues, 9-10:30 pm. Fri, 8-9:30 pm. Sun, 10:30 am, church services; 3 pm, sacred concert. Central.

WBBR, Staten Island, N. Y. City, N. Y. 272.6m-1100kc. 500 watts. International Bible Students' Association. Mon, Thurs, Sat, 8-9 pm, lectures, music Sun, 10-12 m, 2-4 pm, 9-10:30. Eastern daylight.

WBBS, New Orleans, La. 252m-1190kc. 50 watts. First Baptist church. Slogan, "The Gospel Wave." Sun, 11 am, 7:45 pm, service. Central.

WBBW, Norfolk, Va. 222.1m-1350kc. 50 watts. Ruffner Junior High School. Announcer, Lee M. Klinefelter. Slogan, "The School You'd Like to Go To." Mon, 6:45-7:15 pm. Thurs, 6:45-7:15 pm; 9:30-10:30. Eastern.

WBBY, Charleston, S. C. 267.7m-1120kc. 10 watts. Washington Light Infantry. Announcer, Hugh Easterly. Eastern.

WBBZ, Chicago, Ill. 215.7m-1390kc. 50 watts. C. L. Carrell.

WBCN, Chicago, Ill. 265.3m-1130kc. 500 watts. Southtown Economist. Announcer, J. R. Foster. Slogan, "World's Best Community Newspaper." Daily ex Sun, 9:45-11 am, home service; 12-1 pm, Mid-day concert; 3-6, tea time matinee. Daily ex Sat, Sun, 5:30-6 pm, police bulletins. Daily ex Sun, Mon, 7-8 pm. Tues, Wed, Fri, Sat, 10-12 pm. Tues, 12-1 am, Pirate Ship. Thurs, 10-1 am. Sun, 10:30-12:15 pm, church service; 4-6 pm, concert; 7:45-9:15, church service. Central daylight.

WBDC, Grand Rapids, Mich. 256.3m-1170kc. 500 watts. Baxter Laundry and Dry Cleaning Co. Announcer, Richard Smith.

WBES, Takoma Park, Md. 222.1m-1350kc. 100 watts. Bliss Elec. School. Closed for the summer.

WBNY, New York, N. Y. 209.7m-1430kc. 500 watts. Shirley Katz. Daily ex Sat, Sun, 7-11 pm. Sun, 2:30 pm; 6. Eastern daylight.

WBOQ, Richmond Hill, N. Y. 236.1m-1270kc. 500 watts. A. H. Grebe & Co., Inc.

WBRC, Birmingham, Ala. 247.8m-1210kc. 50 watts. Bell Radio Corporation. Slogan, "The Biggest Little Station in the World." Mon, Wed, Sat, 8 pm. Sat, 9-12 midnight. Sun, 10:45 am. Central.

WBRE, Wilkes-Barre, Pa. 230.6m-1300kc. 100 watts. Baltimore Radio Exchange. Wed, Fri, Sun, 8:30-11:30 pm. Eastern.

WBT, Charlotte, N. C. 275.1m-1090kc. 250 watts. Charlotte Chamber of Commerce.

WBZ, Springfield, Mass. 333.1m-900kc. 2,000 watts. Westinghouse Elec. & Mfg. Co. Announcer, A. E. Bach. Daily ex Sun, 6-8 pm, music, markets; 8-10, music. Sun, 8 pm, organ; 8:30, concert. Eastern.

WBZA, Boston, Mass. (333.1m-900kc), 250 watts. Westinghouse Elec. & Mfg. Co. Same programs as WBZ.

WCAC, Storrs, Conn. 275.1m-1090kc. 500 watts. Connecticut Agricultural College. Announcer, Daniel E. Noble. Slogan, "From the Nutmeg State." Mon, Wed, Fri, 8-9 pm. Eastern.

WCAD, Canton, N. Y. 263m-1140kc. 250 watts. St. Lawrence University. Announcer, Ward C. Priest. Slogan, "The Voice of the North Country." Daily, 11 am, weather, reports, talks, time. Thurs, Fri-7:30-12 midnight, from WGY on 1,560 meters. Wed, 8 pm. Eastern.

WCAE, Pittsburgh, Pa. 461.3m-650kc. 500 watts. Pittsburgh Press. Kaufmann and Baer Co. Announcer, Joseph Startory. Daily ex Sun, 12:30 pm, news; 4:30, reports; 6:30, music; 7:30 stocks, garden talks, 7:45, Sunshine Girl. Mon, 8.30, 9, 11. Tues, 8, 8:30, 9, 10, 11. Wed, 8:30, 9, 10. Thurs, 8 pm, 9, 10. Fri, 7:50 pm, 8:30, 10. Sat, 8, 8:15, 8:30. Sun, 10:45 am, 4 pm, 6:30, 7:20, 9:15. Eastern daylight.

WCAJ, University Place, Nebr. 254.1m-1180kc. 500 watts. Nebraska Wesleyan University. Announcer, J. C. Jensen. Daily, 4:30 pm, weather, news. Wed, 8 pm. Fri, 7 pm. Central.

WCAL, Northfield, Minn. 336.9m-890kc. 500 watts. Dept. of Physics, St. Olaf College. Announcer, Hector Skifter. Slogan, "The College on the Hill." Daily ex Sun, Thurs, 9:45 am, chapel. Mon, Fri, 8:30 pm. Thurs, 7 pm, music. Fri, 7:30 pm. Sun, 8:30 am, sermon, music; 9:15 pm. Central.

WCAO, Baltimore, Md. 275.1m-1090kc. 100 watts. Albert A. and A. Stanley Brager. Announcer, R. E. Brunner. Slogan, "The People's Store." Mon, Wed, Fri, 6:30-8 pm, dinner music; 8-9:30-11. Eastern.

WCAP, Washington, D. C. 468.5m-640kc. 500 watts. Chesapeake & Potomac Tel. Co. Announcer, O. P. Gascoigne. Mon, 7-11:30 pm. Wed, 6-11 pm. Fri, 6-12 pm. Sun, 11 am, 4 pm, 6:20, vespers; 7:20-10:15. Eastern.

WCAR, San Antonio, Tex. 263m-1140kc. 1000-2000 watts. Southern Radio Corporation of Texas. Announcer, J. H. Dreyer. Daily ex Sun, 8-10 pm. Central.

WCAT, Rapid City, S. D. 239.9m-1250kc. 50 watts. South Dakota State School of Mines. Announcer, J. O. Kammerman. Daily ex Sun, 9:30 am, 12:30 pm, weather, reports. Thurs, 7:30 pm, concert. Mountain.

WCAU, Philadelphia, Pa. 277.6m-1080kc. 500 watts. Universal Broadcasting Co. Announcer, Stan Lee. Slogan, "Where Cheer Awaits U." Mon, 7:30-12 midnight. Tues, 6:45-12 midnight. Wed, 6:45-1 am, Thurs, 6:30-12 midnight. Fri, 6:45-12:30 am. Sun, 5-9 pm. Eastern daylight.

WCAX, Burlington, Vt. 252m-1190kc. 100 watts. University of Vermont. Slogan, "The Voice of the Green Mountains." Off the air for the summer.

WCBA, Allentown, Pa. 254.1m-1180kc. 15 watts. Queen City Radio station. Wed, 8:15-11 pm. Fri, 6:45-7:45 pm, bedtime stories, Bible lessons. Sat, 9:30-11 pm, dance music. Sun, 10 am, 5:30 pm, 7, church service. Eastern.

WCBD, Zion, Ill. 344.6m-870kc. 5,000 watts. Wilbur Glenn Voliva. Announcer, J. H. DePew. Slogan, "Where God Rules, Man Prospers." Tues, Thurs, 9-11:30 pm, concert. Wed, 1:30-2 pm, organ. Thurs, 2:30-3:45 pm, service. Sun, 9-10:45 am, Bible school; 2:30-6 pm, church services; 9-11:30 pm. Central daylight.

WCBE, New Orleans, La. 263m-1140kc. 5 watts. Uhalt Brothers Radio Co. Announcer, Joe Uhalt. Slogan, "Second Port U. S. A." Daily ex Sun, 10:30-11:30 am. Daily, 7:30-8:30 pm, dance. Sun, 12:30-2 pm, dinner concert; 9, dance music. Central.

WCBH, Oxford, Miss. 241.8m-1240kc. 50 watts. University of Mississippi. Announcer, J. T. Wallace.

WCBM, Baltimore, Md. 228.9m-1310kc. 50 watts. Hotel Chateau. Announcer, Harry J. Dobe. Mon, 10-1 am. Thurs, 10-1 am. Sun, 9:45-11:30 pm. Eastern.

WCBR, Providence, R. I. 209.7m-1430kc. 100 watts. Charles H. Messter. (Portable.)

WCCO, Minneapolis-St. Paul, Minn. 416.4m-720kc. 5,000 watts. Washburn-Crosby Co. Announcer, Paul Johnson. Slogan, "Service to the Northwest." Daily ex Sun, 8:45 am, markets; 9:30, 9:35, 9:45, 10:30, markets. Daily ex Sun, 1 pm, 4, 10. Daily ex Sat, Sun, 2 pm, 2:05, 4:05, 5:45, 5:55. Daily ex Sun, Thurs, Fri, Sat, 2:30 pm. Mon, 6:15, 8, 9. Tues, 12:15 pm, 5:15, 6-8, 8, 8:30, 9:30, 10:05. Wed, 8, 9, 10, 10:05. Thurs, 6:15 pm, 7-9, 9. Fri, 12:15 pm, 6:15, 7:45, 8, 8:30, 10:05. Sat, 8, 8:15, 10:05. Sun, 10:50 am, 4:10, 7:15, WEAF; 9:25, baseball, weather; 9:30, organ. Central.

WCFL, Chicago, Ill. 491.5m-610kc. 250 watts. Chicago Federation of Labor. Daily ex Sun, 6-10 pm. Central daylight.

WCLO, Camp Lake, Wis. 230.6m-1300kc. 50 watts. C. E. Whitmore.

WCLS, Joliet, Ill. 214.2m-1400kc. 150 watts. Harold M. Couch. Slogan, "Will County's Largest Store." Tues, Wed, Fri, Sat, 8-11 pm. Sun, 9:30-12 n, 10-11. Central.

WCMA, Culver, Ind. 222.1m-1350kc. 100 watts. Culver Military Academy.

WCOA, Pensacola, Fla. 222m-1350kc. 500 watts. Municipal Broadcasting Station. Announcer, John E. Frenkel. Slogan, "Wonderful City of Advantages."

WCSH, Portland, Me. 256.3m-1170kc. 500 watts. Congress Square hotel.

WCSO, Springfield, Ohio. 247.8m-1210kc. 100 watts. Wittenberg College. Announcer, Lester Crowl.

WCWS, Bridgeport, Conn. 209.7m-1430kc. 100 watts. Bridgeport Broadcasting Station.

WCX, Detroit, Mich. 516.9m-580kc. 5,000 watts. The Detroit Free Press. Club, "Red Apple Club." Daily ex Sun, 4 pm, news, stock reports, weather, markets; 6, dinner concert; 8. Tues, 10-2 pm, club. Fri, 10-11 pm, dance. Sun, 8 pm. Eastern.

WDAD, Nashville, Tenn. 225.4m-1330kc. 150 watts. Dad's Auto Accessories, Inc. Announcer, F. E. Exum. Slogan, "The Athens of the South." Daily ex Sun, 3:30-5 pm, 8-10. Sun, 3-5 pm. Central.

WDAE, Tampa, Fla. 272.6m-1100kc. 250 watts. Tampa Daily Times. Announcer, Tod H. Megargle. Slogan, "Away Down South in the Sunshine State." Daily ex Sun, 9-2 am. Sun, 7:30-9:30 pm. Eastern.

WDAF, Kansas City, Mo. 365.6m-820kc. 1,000 watts. Kansas City Star. Announcer, H. Dean Fitzer. Club, "Nighthawks." Daily ex Sun, 3:30 pm, 4, 4:30, 5, 6, baseball, music. Daily ex Sun, 6-7 pm, markets, weather, music; 11:45, Nighthawks. Mon, Wed, Fri, Sat, 8-10 pm. Sun, 3-4 pm, 4-4:45. Central.

WDAG, Amarillo, Tex. 263m-1140kc. 100 watts. J. Laurence Martin. Slogan, "Where Dollars Always Grow." Daily ex Sun, 12:45 pm, 9. Central.

WDAH, El Paso, Tex. 267.7m-1120kc. 50 watts. Trinity Methodist church.

WDAY, Fargo, N. D. 260.7m-1150kc. 50 watts. Radio Equipment Corporation. Announcer, K. M. Hance. Slogan, "The Biggest Little City in the World." Daily ex Sun, 9 am, markets; 10, weather, news, markets; 11:30, markets; 12 n, markets; 12:30, music; 1, markets; 5, music; 5:30, news; baseball; 6:15, music. Sun, 10:30 am, service. Central.

WDBC, Lancaster, Pa. 258.3m-1170kc. 50 watts. Kirk Johnson & Co., Inc.

WDBE, Atlanta, Ga. 270.1m-1110kc. 100 watts. J. M. High Co.

WDBJ, Roanoke, Va. 228.9m-1310kc. 50 watts. Richardson Wayland Elec. Corp. Announcer, Glen Baylor. Slogan, "Roanoke Down in Old Virginia." Daily ex Sun, 12-1 pm, music; 5:30-6:45, music, news, weather, baseball. Mon, 8-9 pm. Wed, Sat, 9 pm. concert. Sun, 7:45 pm, church. Eastern.

WDBK, Cleveland, Ohio. 227m-1320kc. 100 watts. M. F. Broz Furniture Co. Slogan, "Broz-casting from Cleveland." Tues, Fri, 8:30-12 mid. Eastern.

WDBO, Winter Park, Fla. 239.9m-1250kc. 500 watts. Rollins College, Inc. Slogan, "The Voice of Central Florida." Daily ex Tues, Sun, 7:25-8:15, 8:55-11. Tues, 7:15-7:45 pm, 9:15-11. Sun, 11 am, 7:30 pm. Eastern.

WDBY, Minneapolis, Minn. 263m-1140kc. 500 watts. Twin City Broadcasting station, Inc. Announcer, Dr. George Young. Mon, 6-8 pm, 9-11. Tues, 7-8 pm. Wed, 6-10 pm. Fri, 7-11 pm. Central.

WDBZ, Kingston, N. Y. 232.4m-1290kc. 10 watts. Boy Scouts of America. Announcer, G. Henry Nesslage.

WDEL, Wilmington, Del. 265.3m-1130kc. 100 watts. Wilmington Elec. Spec. Co. Slogan, "The First Broadcasting Station of the First City of the First State." Tues, Thurs, 8-10 pm. Sun, 7:30-9 pm, service. Eastern daylight.

WDGY, Minneapolis, Minn. 263m-1140kc. 500 watts. Twin City Broadcasting Station, Inc. Announcer, Dr. George Young. Mon, 6-8 pm, 9-11. Tues, 7-8 pm. Wed, 6-10 pm. Fri, 7-11 pm. Central.

WDOD, Chattanooga, Tenn. 256.3m-1170kc. 500 watts. Chattanooga Radio Co., Inc. Announcer, John T. Carter. Slogan, "Wonderland Dynamo of Dixie." Mon, Wed, Fri, 6:30-8 pm, 8:15. Fri, 11 pm. Alternate Tues, 9-9:30 pm. Sun, 11 am, 4:30 pm, 9:15-10:15. Central.

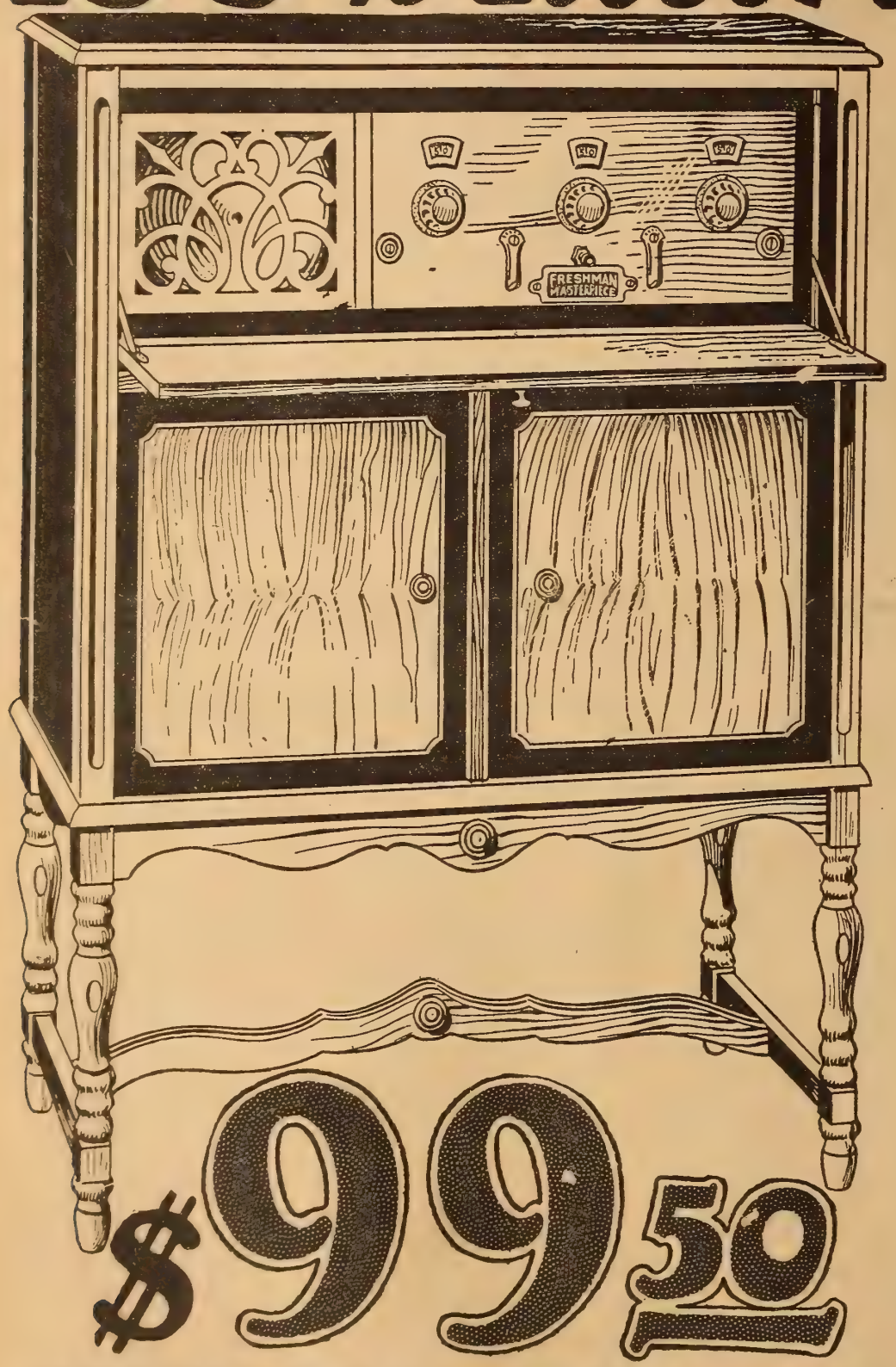
WDRC, New Haven, Conn. 267.7m-1120kc. 100 Watts. Doolittle Radio Corp. Mon, Wed, Fri, 6:45-7:15 pm, news. Mon, 8-9:30 pm. Wed, 8-9 pm. Sun, 11 am. Eastern.

WDWF, Providence, R. I.. 440.9m-680kc. 500 watts. Dutee W. Flint, Inc. Slogan, "Quality First." Eastern.

WDZ, Tuscola, Ill. 277.6m-1080kc. 100 watts. James L. Bush. Daily ex Sun, 9:30 am, 10, 10:30, 11, 11:30, 12 m, 12:30 pm, 1, 1:15, Chicago Board of Trade quotations. Central daylight.

(The third part of the directory of station schedules will appear next issue.)

QUALITY *with* 100% Reserve Power



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Sold on easy terms by Authorized Freshman Dealers, who also install and service them

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are shipped with Freshman Masterpiece Receivers—matched and tested for each individual set. Price with this equipment [one UX 112 Power Tube; one UX 200A Detector Tube; three UX 201A Amplifying Tubes] $117

Write for our beautiful new booklet illustrating and describing our 1927 Receivers and Accessories

Worlds Greatest Radio!

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Goody Goody Girl, by Taylor, Begins

Radio Digest

TWICE A MONTH

Illustrated

FIFTEEN CENTS

FIRST SEPTEMBER NUMBER

Title Reg. U. S. Pat. Off. & Dom. of Canada

Vol. XVIII No. 4

Concluding "Pretense" by Maurice Coons; Radio Industries' Banquet Program; WNYC Answers O. Henry in His Search for "Voice of City"

No. 14 OFFICIAL BALLOT

Announcers' Contest

RADIO DIGEST THIRD ANNUAL GOLD CUP AWARD

GOLD CUP AWARD Editor, Radio Digest,
510 North Dearborn Street, Chicago, Ill.

Please credit this ballot to:

.....of Station.....
(Announcer's Name) (Call Letters)

Signed .....

Address .....

City .....State.....

9-1-26

MAIL VOTES QUICKLY FOR FAVORITE VOICE

WORLD'S BEST ANNOUNCER SOON WILL BE KNOWN

September 4 Closes Third Annual Radio Digest Competition—Shows But Little Change

Here it is—the first of September—and with this issue appears the fourteenth and last ballot in the 1926 Radio Digest Gold Cup Award competition for the selection of the world's most popular Radio announcer! This means one thing—time to mail in all the ballots you have been saving for your favorite voice of the air. Don't lose time by sending the ballots to the stations, but mail them DIRECT to the Gold Cup Award Editor of Radio Digest at 510 N. Dearborn St., Chicago.

No ballots mailed with postmark later than midnight of Saturday, September 4, 1926, will be tabulated in the final count. Therefore, hurry to the post office before it is too late.

Since last announcement of standing but little change has occurred. The most portentous leaders and aspirants to the golden cup and honor have for the main held their places and added votes.

Hired Hand Takes Jump

Arnoux of KTHS, leader, added 15,000 votes, and so did May of KMA, who is second. They are, therefore, still the same distance apart. Gaylord of WTAG remains in third. His increase was 14,000 votes. Brokenshire of WJZ, like Gaylord a hope of the East, stayed fourth with an increase of 5,000. Barnes of WHT is still fifth. His increase was 3,000.

Other gains were relatively unimportant, except that of the Hired Hand of WBAP, who sprung a surprise by adding 3,000 votes and from eight to sixth place over the heads of Kyne of KMMJ and Field of KFNF. Another worthy increase was that of Carlin of WEAF, who likewise improved his total by 3,000, although it did not change his position.

The Present Standing

The next to last lap brought the leading candidates around in the following order. The figures in parentheses indicate the order the last time published:

1. G. C. Arnoux, KTHS (1).....78,746
2. Earl E. May, KMA (2).....61,261
3. C. Gaylord, WTAG (3).....49,325
4. N. Brokenshire, WJZ (4).....38,826
5. Pat H. Barnes, WHT (5).....31,694
6. The Hired Hand, WBAP (8)..15,206
7. A. S. Kyne, KMMJ (6).....14,725
8. Henry Field, KFNF (7).....13,487
9. Phillips Carlin, WEAF (9)....11,682
10. Peter MacArthur, WOC (10) 7,112
11. Louis J. Johnen, WLW (12).. 6,928
12. C. R. Randall, WSMB (11).... 6,004
13. R. W. Griffin, WHO (13)..... 5,243
14. Gayle V. Grubb, KFAB (14) 4,746
15. Lester Palmer, WOAW (15) 4,355
16. Lambdin Kay, WSB (16)..... 3,419
17. W. G. (Bill) Hay, WGN (17) 2,856
18. J. T. Schilling, WHB (19).... 2,655
19. E. L. Tyson, WWJ (20)..... 2,514
20. Edw. B. Husing, WRC (18).. 2,346
21. N. Dean Cole, WHO (23)..... 2,265
22. Paul Johnson, WCCO (22).... 2,173
23. Jerry Sullivan, WQJ (21)..... 1,971
24. Sen Kaney, KYW (24)..... 1,899
25. E. Konecky, WOAW (25)..... 1,872

Canada Awakens

Out of a clear sky the Canadian supporters of the aspirants for the special Canadian silver cup trophy have unloaded a number of votes on Hooper and Fricker, holders of second and third places, respectively, to date. The lassitude shown almost since the beginning in the Canada race seems to have broken down, and it looks as if Miss Lillian Shaw of CKY would have to work to end at the top. Her two closest rivals gained over 500 votes apiece, while her increase was but thirty. The standing is:

1. Lillian Shaw, CKY (1).....4,712
2. Bert Hooper, CKCK (2).....2,055
3. H. C. Fricker, CKCL (3).....1,214
4. Robt. W. Combs, CKNC (4)..... 560
5. Geo. A. Wright, CNRV (5)..... 396
6. Jacques Cartier, CKAC (6)..... 307
7. C. W. Darling, CFCF (7)..... 104

Who will win? The announcement will be made as soon as possible in Radio Digest. It is hoped to carry this information, or at least a flash on it in the September 15 issue, on the newsstands September 14, but in the event this is impossible owing to a staggering final vote, readers may count upon learning this information in detail in the October 1 number.

A gold cup, shaped similar to a microphone, will go to the American announcer heading the list, and his runner-up will receive a silver cup. The Canadian winner will likewise be awarded a silver cup which will be a duplicate of that presented to the American announcer ending second.

Watch for the September 15 issue!

COVER GIRL IS WEAF STAFF ACCOMPANIST

YOU only hear her artistry, not her voice—the girl on the front cover of this number. Her name is Mathilde Harding, and she plays the piano in special concerts, besides being a regular staff accompanist for WEAF. Pretty girl, isn't she, and brilliant too. She recently won a scholarship of the Juillard Musical Foundation. She has been on the staff of WEAF for six months, and was formerly accompanist to Ethel Hayden, the famous concert singer.

Film of Broadcaster Makes It Seem Almost Television

CINCINNATI.—It isn't television, but it's a close second to it for Radio Personalities, a New York motion picture company has filmed announcers and artists at Station WSAI, of the United States Playing Card company here, and will present the picture from the leading film houses of the country. Radio fans thus will have the opportunity of seeing the persons whom they have heard over the air "in action." Views were taken of the studios, the announcers, Paul A. Greene, director of the station reading an auction bridge game, the Bicycle sextet, the "Four Queens," and other artists. The movie is to be released this month.

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Radio Digest, Illustrated, Volume XVIII, Number 4, published Chicago, Illinois, September 1, 1926. Published semi-monthly on the first and fifteenth of each month by Radio Digest Publishing Co. (Incorporated), 510 N. Dearborn Street, Chicago, Illinois. Subscription rates yearly, Three Dollars; Foreign Postage One Dollar additional; single copies Fifteen Cents. Entered as second class matter May 3, 1926, at the post office at Chicago, Illinois, under the Act of March 3, 1879. Title Reg. U. S. Patent Office and Dominion of Canada.
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Looking Ahead

Thinking of Buying a New Set? Or perhaps you are wondering what the improvements are in the 1926-7 designs? If so you will want to see the next issue of Radio Digest, on the news stands September 14, which will contain many advertisements of new models and an article picturing and discussing the new receivers and their better points. Don't miss this—the Chicago Radio show number.

She Has Left the Roof That Has Sheltered Her All Her Life. What will become of her, this "Goody Goody Girl" who is pictured so masterly by Merlin Moore Taylor. Follow her adventures in the September 15 issue.

KYW Was the First Station in Chicago and, in fact, the pioneer broadcaster of the middle west. When it started on the air phonograph records were the chief program requisite, and what is funnier—the listeners LIKED them. Read and see more about KYW in the next number of Radio Digest.

"Common Sense" Hints on Operating Your Receiver are coming. No matter who you are, or what walk of life claims you, you absolutely should read this article. Everyone should understand what it contains—and it is written in an enjoyable fashion that you can understand.

Special articles about broadcasting stations and artists, with photographs, and NON-RADIO fiction 5,000, 10,000 and 30,000 words in length are desired. No manuscripts accepted unless typewritten and prepaid, or returned without return postage being inclosed. All manuscripts are sent at owner's risk.

Newsstands Don't Always Have One Left

WHEN YOU WANT

Radio Digest

YOU WANT IT!

BE SURE OF YOUR REGULAR COPY BY SUBSCRIBING NOW

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Please find enclosed check M. O. for Three Dollars (Four, Foreign) for One Year's Subscription to Radio Digest, Illustrated.

Name .....

Address .....

City .....State.....

SHORT WAVES

By Marcella

"Goldie Locks" sorrowfully but dutifully returns from her perfectly wonderful vacation spent fishing aomng the truly "vast open spaces" of Lake Vermillion in the Arrowhead country of Minnesota, her "bronze" hair more bronzed, her complexion considerably darkened and her fingers ready and willing to tell all inquirers everything she knows about the studio folk. To appreciate the foregoing, of course, one must have read the last column of "Short Waves" which was written during my absence by "Old Man Grundy," the adorable dear! But he is mean to infer I bought those fish, for I really caught them, and they tussled determinedly before my dial calloused fingers succeeded in landing them. Just to show you how much "Mr. Grundy" knew about it, those weren't two bass and a trout at all. They were two immense wall-eyed pike and a huge great northern pickerel—lots larger than the big one President Coolidge caught. So, there!

* *

Nola, Lilac, Thelma, Cherry, Sally, Colleen, Babe, Sylvia, Vivian, Coneuela, Constance and Mary—all twelve of them—ask the intimate details concerning almost as many Radio favorites. The first, of course, is Jack Little.

Jack is married a year now, 5 feet 3 inches down, little in weight and nom de Radio, good looking, almost if not 26 years old, and was born at Waterloo, Iowa. Just to answer Betty at the same time, I will add that Jack was never the regular announcer at WDAF, the Kansas City Star, but he may have done some announcing while appearing there. Not touring now, he is spending his time building his repertoire for the fall and making Chicago his headquarters. He will roam again in October. Don't know what his wife's name was, or whether or not she is a musician. She is, however, a good manager, isn't she Jack? Try writing care of James Leonard, of Waterloo, Iowa, as a permanent address.

Eddie Loftus is next. Took Lee Sims' place with Charles Erbstein before WTAS was but a memory. Then I believe he ambled over to WSBC to "pet the elephant tusks." Will give him further investigation and report again.

Rans Sherman. Liable to break out any minute again with his "Applesauce Club" at KYW. The Gloom Chasers are getting together again. Plays a "sax" when someone is listening—just when he shouldn't. Sandy haired, with a good head and a big body, solidly built, and weighing about 175 pounds, Rans is very serious looking. From his expression you wouldn't guess he was a star Radio humorist. Sells insurance for his bread and butter, and I believe he is married, but won't swear to it.

Eddie Harper—ahhh—is a handsome and winsome sheik, tall, single etc. Just the type. Keeps busy most of the time announcing what is going on at the Chicago American studio of KYW. Tune in Eddie's Movie club on Friday evening at 7 p. m. Central daylight saving time some week, and hear him describe the screen beauties clustered about him—then guess who they are. When not in the studio, Mr. Harper prefers to push a little white ball around the broad green acres. You should see him all dressed up in his kilts (Isn't that what they wear for golf?), according to E. E. Mattson, the irrepressible press representative of KYW.

We are making progress. And now, George Givot, a pioneer who worked over KYW when Radio still was Radio, according to the Third Trombone player. Then George decided to shift about at motion picture and vaudeville houses and finally booked with Paul Ash while this bushy-haired showman and Radio favorite was at McVickers, Chicago. As a star of the terpsichore, especially the Charleston, Mr. Givot is now delighting the audiences of various Balaban and Katz theaters every week.

And Charlie Schultz, the 85-pound tenor, according to Sen Kaney, who carries the other 200 pounds on his back. Charlie is dark skinned, has black, curly hair and brown eyes. Good natured like all—shall I say fat?—"large" men, he must be married, for all fat men are married. Don't you love him when he sings a sobbing blues song?

Next is Bert Davis, the "Clown of the Air," who lives up to his name so well. I should rate Bert at about 35 years. He is rather medium or short in height, and weighs about 135 pounds. I can't say where this wandering minstrel is just now, but imagine we shall hear from him shortly with the full programs of the fall. Yes, I am almost sure he is a bachelor.

Getting near to the end at last. Jerry Sullivan is in line. Jerry is married and I think he has several children. He is not regularly on the air since leaving WQJ, and, for the benefit of E. V. A., I will add that he and Hal Lansing are resting until some time this month when they plan to make a vaudeville tour.

And finally—Correll and Gosden—the famous Sam 'n' Henry of WGN and WLIB fame. Correll is six inches shorter than the blond, curly-haired, handsome Mr.

(Continued on page 10)

WORLD'S BEST PROGRAM SEPT. 15

NOW THAT THEY ARE FREE—WHAT TO DO?

STATIONS STANDING PAT; FEARED CHAOS "ISN'T"

Broadcasters Show A-1 Cooperation —Situation May Cause Selection of Judge Landis of Radio

The story is told of the so-well trained husband, who, when given a night off when his wife was away, knew not what to do, and felt so miserable that he went home, cooked his dinner, put on his slippers, read the paper and went to bed. He had thought he would have a wild time, but——

Radio broadcasting in the United States is today in exactly the same position as the well-trained husband. Now that stations which felt they were "oppressed" have their freedom, now that 600 waiting applicants for licenses have their chance to get them—they have gone home and felt perfectly miserable. The established stations, better than nine cases out of ten, are staying "put" on their waves. The wating applicants, at least about 595 of them, are still waiting—afraid that public opinion or retroactive legislation in the future may "get" them.

Excellent Cooperation But No Chaos

A splendid spirit of cooperation is on the air today, but no chaos, such as feared by Secretary of Commerce Herbert Hoover, has shown signs of appearing. True, many misled newspapers and broadcast listeners' organizations followed the lead of Mr. Hoover and for a time cried, "Wolf, Wolf," but the general public has refused to be aroused, and the feared chaos has not, as Radio Digest promised it would not, become a factor to be reckoned with.

Over 200 leading stations have pledged the National Association of Broadcasters to continue to operate under the assignments made by the department of commerce prior to the law's breakdown, and many of these 200 are doing so at the sacrifice of their individual interests which are born of deep convictions.

Advice to Waiting Applicants

Waiting applicants are advised not to build their stations. They may be shut out by the pending legislation. There positively is not room for 600 more broadcasters, costing from $50,000 upwards, on the but 89 available ether channels or wave lengths. Even with equal division of time on the air, these stations could not obtain a fair return on the minimum investment. It would be the wildest kind of speculation to build, the N. A. B. points out.

And Powel Crosley says, "I firmly believe that the prospectors of the air, the pioneer broadcasters, have a common law right to their wave lengths which the courts will uphold, and which entitles them to the unhampered use of the wave lengths they have pionered and popularized. But at the same time, there is an essential need for legislation."

May Yield Judge Landis of Radio

The Radio Manufacturers' association, N. A. B., Radio Apparatus Section of the A. M. E. S., and the A. R. R. L. have been talking over the situation, and as this number of Radio Digest goes to press, are working together on a plan which may yield a popularly selected "High Commissioner of Broadcasting" whose word in Radio will be as all powerful as that of Judge Landis in baseball or Will Hays in motion pictures.

In closing this discussion of the present Radio situation, let us quote the latest Washington dispatch and laugh:

"Officials of the department of commerce say that applications for new broadcasting licenses and changes in wave length are not coming in as fast as they were. They are 'just dribbling in' now, the officials report."

Powel Crosley Orders Big Duplicate of WJZ

WLW Will Have Sending Power of 50,000 Watts

CINCINNATI.—Powel Crosley, Jr., president of the Crosley Radio corporation, has placed an order for the first fifty-kilowatt (50,000-watt) broadcasting equipment which Western Electric plans to manufacture for a few concerns.

This is the first order placed and bears out the prediction made by Mr. Crosley at the Hoover Radio conference a few years ago, that broadcasting stations must increase their power and equipment to keep abreast of the broadcasting art. This new transmitter will cost, with the new special fireproof building to be erected near the present WLW transmitting station near Harrison, Ohio, about $250,000.

It's All in a Day's Work, Says WRVA Official, Discussing Queer Requests

By E. G. Hoelzle

A PECULIAR conception of how a broadcast station is run is noted in a nine page letter which was received at Station WRVA, Larus and Brothers Co., Richmond, Va., from a listener who mapped out an entire evening's program selecting the orchestra and the numbers that they were to play, the soloists with their selections, and asked that the program be on a certain evening. This particular lady further stated that it would suit her if at certain times we would hold up the program so that she could have some recitations and take up a silver offering for some charitable affair in which she was interested.

On one occasion an urgent telephone call received at the broadcast office carried the request that on Thursday evening prompt at nine o'clock we should have our orchestra play "Mendelssohn's Wedding March," as a wedding rehearsal was being held in this lady's home at that time and she also desired that there be a pause followed by a sweet voice singing "Moonlight and Roses."

Capping the climax, however, was the telephone call by a third lady asking if she might bring her infant child to the broadcast station and have it cry so that its grandmother in a distant city might hear its melodious voice.

It's all in a day's work!

OLD QUEEN AT WPG TO BOW TO NEW

"Miss America," Fay Lanphier of California, has come to the World's Play Ground to attend the 1926 Annual Atlantic City Pageant, September 7 to 11. Miss America is making the WPG Marine Studio on the ocean end of the Steel Pier her headquarters, and Radio friends all over the United States again have an opportunity to enjoy her Radio chats. Last year her advice on fashion, beauty and charm was appreciated by thousands of listeners.

News Briefs

Pikes Peak Hill Climb on KOA

DENVER.—Automobile racing fans will greet with pleasure the announcement that KOA here will broadcast the Eighth Annual Pikes Peak Hill-Climbing dash on Labor Day, September 6, by direct wire from the scene of action.

Prize for Naming WOOD Transmitter

GRAND RAPIDS, Mich.—Name Station WOOD's new transmitting bungalow and its surrounding acreage, located ten miles west of Grand Rapids, and you may win a five tube receiver complete with all accessories. The name should not contain more than three syllables, and should have something to do with broadcasting and reflect the fact that Grand Rapids is the furniture capital of America. The contest closes September 15.

WOAW Influences Local Politics

OMAHA, Neb.—The influence of Radio in politics was strikingly demonstrated here recently when Lester Palmer, WOAW announcer, a candidate in the primaries for municipal judge, was nominated for the November finals. He ran fourth in a field of thirteen candidates. Mr. Palmer, still in his twenties, just recently began the practice of law, and was opposed by older and more experienced politicians.

First Canadian Church Broadcast

WINNIPEG, Man.—Following the recent publication in Radio Digest of an article describing a tablet at the Fort Rouge United church of Winnipeg, upon which was inscribed that the first church broadcast in Canada was made from this church through CKY April 1, 1923, considerable argument has developed among the provinces. The final decision seems to be that the first church service broadcast in Canada was that of Carmichael church, Regina, Sask., on February 11, 1923, through CKCK; the honor of second goes to Bloor Street Baptist church, Toronto, Ont., which on March 18, 1923, was on the air via CFCA; and third place is relegated to the Winnipeg church.

WQJ Engineer Follows Musical Score

CHICAGO.—Few broadcasting station engineers would go to the trouble to follow the musical score of a broadcast so as to control the modulation properly just in advance of the crescendos, dimmuendos, pianissimos, fortes, etc., but here is one who did. Chief Engineer Robert Engler of WQJ has a reputation as a meticulously careful and dependable operator. When the North Shore quartet recently broadcast from WQJ the song cycle "Floriana" by Whiting, Mr. Engler had a complete score before him and controlled the transmitter perfectly by means of reading the musical expression marks ahead of the quartet.

Tell Steinmetz Life at WGY

SCHENECTADY.—The life and contributions to science of the late Dr. Charles Proteus Steinmetz are being related over WGY in a series of talks being given every Tuesday evening. They are prepared by John Winthrop Hammond.

WLW Gives "Encyclopedia of Music"

CINCINNATI.—A musically worth while feature originated at Crosley WLW station by William C. Stoess is the "Encyclopedia of Music," a series given by the Formica orchestra on Tuesday evenings. Each week selections from the works of a new group of famous composers, in alphabetical order, are broadcast.

Paulist Choristers Return to Air

NEW YORK.—The famous Paulist Choristers, heard last year from WLWL, New

(Continued on page 20)

LINK 33 STATIONS TO ENTERTAIN COUNTRY

15,000,000 PEOPLE WILL HEAR GREAT BANQUET

Radio Industries Feast to Mark Opening of New Season—Famous Stars to Entertain

NEW YORK.—Fifteen million people are expected to listen to the broadcasting of the best program ever produced on the occasion of the Third Annual Radio Industries banquet Wednesday, September 15, when the Radio industry gathers to open the Radio season for 1926-27.

Coming during the week of the New York Radio show, this banquet will see Radio manufacturers, jobbers, dealers, broadcasters and artists gathered from every state in the Union at the Astor hotel grand ball room, while millions of listeners will enjoy the program which will be broadcast by a record-breaking link of at least thirty-three stations covering the entire east and midwest.

More than two hundred artists will comprise the talent for the show which carries Mary Lewis and Reinald Werrenrath, America's own opera soprano and baritone, as headliners with five orchestras and the WEAF grand opera troupe, the WEAF light opera troupe and the WEAF musical comedy company presenting every variety of entertainment. The broadcasting will begin at 7 p. m. Eastern daylight saving time, which is 5 p. m. Central standard time.

Program Crowded With Favorites

Among the other artists who will appear on the bill will be: The Victor Revelers, the Capitol Family, the Eveready mixed quartet, Premier male quartet, Vaughn De Leath, Phil Cook, Ernie Golden, Royal Typewriter Salon orchestra and singers, Ipana Troubadours, Victor Salon orchestra, Markel's Society orchestra.

Other additions to the cast are expected each week as a large number of stars have been under consideration by the committee, which included leaders in the Radio talent field.

Paul B. Klugh, executive chairman of the National Association of Broadcasters will appear as toastmaster again this year, as in the past, and Major J. Andrew White, pioneer Radio announcer, will act again as master of ceremonies.

Stations Assured to Date

Practically every broadcasting station in greater New York will join in carrying this program to their listeners on the banquet evening. Stations booked to handle the broadcast to date include:

In New York: WEAF, WJZ, WLWL, WRNY, WMCA, WFBH, WHN, WAHG, WBOQ, WNYC, and WOR.

Out-of-town stations carrying the program will include: WBZ, Springfield, Mass.; WGY, Schenectady, N. Y.; WNAC, Boston; WNAB, Boston; WEAN, Providence, R. I.; WODA, Paterson, N. J.; WEEI, Boston; WJAR, Providence, R. I.; WGR, Buffalo; WRC, Washington, D. C.; WCSH, Portland, Me.; WTAM, Cleveland; WWJ, Detroit; WOO, Philadelphia; KSD, St. Louis; WTAG, Worcester, Mass.; WCAE, Pittsburgh; WCCO, Minneapolis; WOC, Davenport, Iowa; WTIC, Hartford, Conn.; WGN, Chicago, and WLW, Cincinnati.

Sixteen Radio trade organizations join in the sponsorship of the banquet which is conducted by a general committee of nearly a hundred leaders in the Radio industry representing every phase of Radio activity.

Close Schedule Is Followed

The 1926 banquet is the third annual affair of this character held under similar auspices. The attendance last year was in excess of fourteen hundred and over two thousand people are expected to be present this year.

The Radio Industries banquet represents probably the only banquet where every speaker and performer is required to follow a schedule to the minute. The speakers and artists will adhere strictly to the schedule which is devised to resemble the style of a broadcasting station program, with announcements timed and arranged so that the entertainment portion of the program will close sharply at 11:45 p. m. Eastern daylight time or 9:45 p. m. Central Standard time, when an hour of dance music will follow.

GOODY GOODY GIRL

CHAPTER I

The Lie

THE SHARP click of the latch on the front gate came to Lois Sylvester's ears through the open windows. She straightened up beside the table she had been dusting with a curious feeling that all morning she had been tuning her ears to catch the sound. A moment later the gate slammed back into place and she stole to a window for a peep from behind the curtains.

Just as she had suspected would be the case, angular Miss Ada Wexby was marching up the front walk, prim and stiff in her Sunday best and bearing in her hands that which Lois had come to regard as the Ancient Mariner must have regarded the dead albatross about his neck.

Lois sighed and moved toward the door. The long-smoldering rebellion flamed up within her and she felt a great temptation to tiptoe through the house and out the back door, letting Miss Wexby's imperious ring at the doorbell go unanswered. There would be some satisfaction in knowing that it would irritate the vinegary spinster to be compelled to ring again. In the end, of course, it would do no good. Miss Wexby would open the door and walk in, deposit that which she carried on a table and walk out.

It was not that, but Lois' personal code, which banished the temptation almost as soon as it appeared. In her eyes it would savor of dishonesty not to go to the door and open it just because the caller was someone she disliked. Laying a hand on the door-knob, however, she made a sudden resolution.

"Good morning," she said, her tones neither friendly nor hostile.

Miss Wexby made to enter the house. "Morning. I'm going visiting and I've brought Primus, Quintus and Octavus—" She broke off abruptly as she found the doorway blocked by the girl's slender body. "Here, you take them."

LOIS eyed with distaste the cheap glass bowl and three swimming goldfish thrust toward her. "I can't take care of them for you this time, Miss Wexby," she said firmly.

The spinster started so violently that the bowl almost went to the floor. "Can't take care of them?" she echoed. "You always have when I've been away before."

"Yes. Dozens of times and before she died it was my mother you imposed upon, but—"

"Imposed upon!" Miss Wexby's voice was almost a shriek. "Imposed upon! I like that. Why, your mother loved my little darlings. She was always glad—"

"No. Not glad, but too easy-going to tell you the truth. She loathed them just as much as I loathe them. Satisfied little idiots. Content, day after day, to do nothing but swim around and around that bowl, bumping their silly noses against its side—"

"Well, I never!" Miss Wexby, sniffing indignantly, set the bowl upon the porch floor and, arms akimbo, faced the girl. "I believe you've taken leave of your senses, Lois Sylvester."

"I've just come to them. Why should I have your nasty little goldfish that I despise wished upon me for days at a time every few weeks, whenever you choose to go gadding, imposing upon your relatives, too—"

Miss Wexby's sharp features became mottled with rage. "That's enough. I'll see Phineas Blair about this. I'll see if he'll stand for your insulting a decent, respectable, God-fearing woman—"

"You'll find him at the plantation."

"I'll go right out there, then. Such impudence I never did see. Of course if you want to change your mind, apologize—"

"Never."

"You'll sing a different tune after I've seen Phineas. He'll make you."

"I'M EIGHTEEN now, you know."

"Meaning you're of age? What difference do you think that will make to Phineas so long as you're in his house, eating his bread and butter, dependent on his charity?"

All very true, Lois realized with sinking heart. Her stepfather was, indeed, master in his own house. Whatever he decreed, she must do. He had no liking for Miss Wexby and her ridiculous airing of her knowledge of Latin by naming her goldfish Primus, Secundus, Tertius, and so on to designate the order in which they had come into her hands. What would he say, however, when she told him in her own highly-colored way the story of what had just occurred? For all he prided himself on his sense of justice, his anxiety to appease Miss Wexby and get rid of her quickly might lead him to grant what she demanded. A scolding she could stand, but to take in those goldfish now after she had refused—never.

One way out suggested itself and desperately she took it.

"He can't make me do things when I'm not here and I'm going away," she said. Instantly she was horrified. She had uttered a deliberate untruth; she who refrained even from such conventional white lies as saying "I'm glad to see you" to someone if she was not glad. Why had she told Miss Wexby that? Certainly she had no intention of going away. Where would she go?

She stole a look at the spinster's face again. The gloating over an anticipated victory that she had seen there but a moment before had vanished and been succeeded by amazement and frank incredulity.

"Going away? You? How absurd!" Acid fairly dripped from Miss Wexby's tongue.

Lois shut her lips tightly, fought down and conquered the impulse to admit that

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By MERLIN MOORE TAYLOR

Illustrations by W. H. WISNER

"No!" The word fairly exploded from between his lips. "No! You are asking me to compound a lie so you may seem truthful. I won't do it. There wasn't any need to lie in the first place. . . ."

MR. TAYLOR, Whose Latest Book, The Heart of Black Papua, Has Created Wide Comment Writes GOODY GOODY GIRL from the Study of a Modern Problem That Is Interesting Parents and the Younger Generation Throughout the World

PRETENSE

by MAURICE R. COONS

FACING a Threat of Instant Death

Prince Masillof Dares All to Warn the Girl He Loves—And the Second Episode of This Amazing Romance Comes to a Surprising End

Illustrations by W. H. WISNER

TO spend an evening at the Club Royale was to swagger in the presence of the elite. It was exclusive because only the really rich could afford to pay the price. But there was something more than the ticket of affluence to lend an atmosphere to the place. Old World royalty seemed to find it a congenial rendezvous. Conspicuous among those present night after night was His Royal Highness Prince Boris Masillof, bereaved cousin of the late Czar of Russia.

Gloating American dowagers sought him out to present their daughters. They thrilled at his dignified bow of recognition. But there was one who warmed his heart, who met him glance for glance and piqued his inner consciousness and made him wish that he was more than he felt himself to be.

He met her as she appeared alone at the entrance of this gorgeous supper club—Miss Brent, Miss Evelyn Brent, said to be a wealthy San Francisco girl and socially prominent there. They sat at the table always reserved for His Royal Highness and the girl was the envy of all those others of her sex who were in the room.

She ordered expensively but sparingly and later they danced.

A feeling of boredom and disgust at the licentious liberties displayed between the guests as they ogled and flirted without regard for marital ties and the other established codes of decorum in a public place.

"Silly crowd, isn't it," mused Evelyn, toying with a tiny champagne glass as the Russian placed a fresh charge in his lengthy cigarette holder.

"Fools," answered the Prince in a velvety undertone. "They imagine they are enjoying themselves. And they are utterly heartless." He touched the flaming match to the tip of the cigarette.

"Why do you come here?" The girl turned a side-long glance and fancied that the question had struck a hidden spring that caused a faint flush to redden the prominent high cheek bones of his face. His hands clenched perceptibly. But when he spoke it was with the old nonchalance.

"For the same reason they do, I suppose. And you, may I ask?"

"That goes for me, too."

"You're a wonderful girl, Evelyn. . ."

A shadow fell over their table. They looked up to the leering smile of Ricardo, the Latin dancer, disolute but cruelly fascinating to women.

NEAR him hovered Frascita, his partner. They assumed a strange familiarity toward the nobleman. Ricardo frankly intimated that the prince was being monopolized to the chagrin and disappointment of the other guests. Frascita cast knowing glances in his direction.

"A perfect lover," she commented with a wise wink to the others at the table. Evelyn was shocked. Ricardo offered her his arm. They danced away together. When they returned the prince was in a seething rage. He prepared to take her home but Ricardo intervened, offering Evelyn one of his "special brand" cigarettes.

"Please don't smoke that! Don't!" Massilof pleaded without success and Evelyn, blowing a yellowish cloud from her lips, leaned on Ricardo's arm, a glassy light in her eyes.

She giggled hysterically and they swept away, the dancer bestowing on the furious Boris a triumphant, taunting glance that was oil on a raging flame. Masillof's eyes followed them feverishly. His hands clenched until his taut muscles trembled from the strain. Then he saw people staring at him in wonderment and his innate pride rushed over him in an abruptly cooling shower. His jaw set resolutely and he sank into his chair, fumbling uncertainly for his cigarette case.

Frascita laughed. He whirled on her, his eyes wild with fury, his mouth tight and merciless. He realized how terribly close to the surface was the brute in man. An almost uncontrollable impulse assailed him, a desire to strike her, to erase with a single blow the half-leering, wholly satisfied expression on her insolent face.

"You're the cause of this!" he gritted savagely, struggling to keep rage from raising his voice to an unrestrained shout. "You've put jealousy in that girl's heart and sent her off with that snake."

Frascita preened herself like a bird that realizes the beauty of its plumage. And her lips remained curled in that provoking smile that was calmly assured almost to the point of defiant impudence.

"What of it?" she demanded at last. "If she can't take care of herself she has no business here. But you see she doesn't really care for you. And I do, Boris. I——"

Prince Boris summoned all his strength and rose. As straight and dignified as a lighthouse he stood with lifted chin and steady eyes, waiting, waiting. He would have a soldier's death.

"SHUT UP!" snapped Masillof. "You're nothing but a common woman. If you say another word I'll choke you. And never come to my table again."

The woman flushed; her eyes widened and glittered; her lips tightened until even the heavy rouge could not hide their whiteness. Her whole body trembled with the awful rage of a woman scorned.

"You!" she gasped hoarsely. "You—"

She choked and a hand leaped to her throat. She tried again to speak but it ended in a gurgle and she rushed away from the table. Many curious glances followed her whirlwind progress through the crowded night club. Boris's among them, flashing bright with anger. Then his gaze cooled and grew somber. Now that the tempest was over he felt wrung dry of energy, of emotion, even of thought. Disgust welled up within him, at Frascita, at Ricardo, most of all at himself. For he who hated the very word pretense and all it signified was a living disciple of it.

"Pardon, your highness," said a suave voice at his elbow. "But Mr. Kelly would appreciate your stepping up to his office for a moment."

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Unconsciously Boris' lips curled into a sneer. Mr. Kelly indeed; Then a haunting fear crept into his countenance. He hoped the waiter hadn't seen the sneer. Remembrance flooded over him and the fear in his face fled before defiance.

Outwardly calm, he affixed his careless signature to the check with a crested gold pencil and followed the waiter to Mr. Kelley's office.

BORIS hesitated a moment like an athlete gathering all his force for a powerful effort, then opened the door swiftly and entered. A man entrenched behind a heavy, carved desk in the center of the expensive Oriental rug looked up. Boris paused, chilled from the mere glance. He always felt chilled in the presence of the Club Royale's owner. A product of the west side slums, tempered to steel-like strength and hardness in the neighborhood of Madison and Halsted streets, Jack Kelly had risen to affluence and some political power through bootlegging and other nefarious practices.

His was the sort of face that one would expect to find in a rogues' gallery—a square face, bluntly hewn with no effort for beauty or symmetry, with a wide, underslung jaw, crooked mouth that had frozen in a perpetual sneer, close-set, small gray eyes of an unsmiling, gimlet-like, piercing hardness, low-hanging brows with two deep lines carved between them by an unending frown, and a wide forehead that was terminated abruptly halfway up by heavy black hair as coarse and stiff as a bear's coat. When he smiled on rare occasions it was only a mechanical motion of the lower half of his face.

"You sent for me?" inquired Masillof with all the coolness he could muster.

"I sure did," snapped Kelly. His voice was always quick and harsh. He mistook abrupt, overbearing insolence for decisive authority. "I want to know what your idea is in spending the whole night with that girl."

"I thought I was hired to make myself agreeable to the women who come here."

"You are. But not just to one of them. The others'll get mad and quit coming."

"Don't you presume upon my attractions?"

"No," retorted Kelly bluntly. "You've got a way with women. There's no doubt about that. I wish I could get 'em as easy as you do. But I could, of course, if I was a duke or something," he added hastily, sorry that he had admitted envy for another man. "They fall for that nobility stuff. That's the reason you're eating three squares a day."

PRINCE BORIS winced under that last thrust. It stabbed his pride to the quick. He, Prince Boris Masillof, of the Russian royal household, dependent on such scum as he now faced. Anger surged over him in a blinding flood, brightened his eyes, reddened his cheeks, clenched his fists.

"You've taunted me long enough about being dependent on you, Kelly," he cried furiously. **"I'm through!"**

"What?"

"You heard me. I'm through. I've stayed here for weeks as the lure for people to come here and spend money in your place. Oh how I've hated the pretense of it! I did it only because I was broke and needed the miserable salary you've paid me out of the thousands I have made for you. But I'm done right now. There must be something that a man can do in a great city like this to make an honest living. The first thing I shall do is see Evelyn Brent and tell her the truth about everything."

Kelly half rose from his chair, fear and anger struggling for supremacy of his countenance.

"You don't dare!"

Masillof laughed harshly.

"Don't I? Wait and see! I've stood this deception as long as I can. That girl comes here to see me. And your hellish place is going to drag her down to destruction just as it has many others if I don't stop it."

Kelly sank back into his chair. His lips were grim and white with rage. But his eyes were narrowed craftily.

"Take it easy," he said soothingly. "You're wrought up about something and you don't realize what you're saying. Sit down and let's talk this over."

"No, I won't sit down," retorted Masillof defiantly, his voice vibrant with rage. "There's nothing to talk over. Ricardo gave this girl one of his doped cigarettes tonight. Before long he'll have her in the habit and she'll be a slave to it. It'll be my fault because she comes here to see me. I feel responsible for her. And I won't have a scar like that on my soul. I won't, I tell you. I'm through."

"DON'T be foolish, Masillof," said Kelly, and his voice had an edge like a Damascus blade. "You know you need the money I'm paying you and there's no reason why you shouldn't have it. A fellow has to look out for himself these days. I'll raise your salary a hundred. You'd better think twice before you throw away six hundred dollars a week."

"No," answered Boris decidedly. "I've just realized tonight what I've been doing. And I won't do it any longer, not for any amount of money. To me, being a nobleman means more than having a title and a crest. It means nobility, not only of outward rank but of mind and soul and purpose. I should dishonor my rank and ancestry by remaining here longer. Good night!"

He turned to go. Kelly sprang to his feet. His face was purple with rage. His eyes snapped savagely with the cold deadly purpose of a rattlesnake about to strike. In his right hand was a black, ugly automatic.

"Stop!" The word shot forth and transfixed Prince Boris in his tracks. There was an unmistakable ring of command in it. He turned, defiance in the tilt of his head. Then his eyes widened as he saw the gun.

"You're not going to leave here!" snapped Kelly. "And you're not going to say a word to anybody about this place or your connection with it. Do you think for a minute that I'd let you wreck a graft like I've got here? Not a chance. You're in this, now, and you'll stay in. And you'll keep your mouth shut or end up in the Chicago river some nice dark night. You wouldn't be the first one. Get me?"

Masillof smiled coldly.

"You can't bluff me."

"I'm not bluffing," burst out Kelly. "I've got plenty of drag around here. I hope I won't have to show you." He paused to let the threat penetrate. "Now go ahead, 'tend to your own business and do your work and everything will be all right. **But keep your mouth shut!** You'll be watched day and night from now on and if you make one single crack—good night! There's plenty of men in this town who will do anything for a price and I've got the price," he ended ominously.

Masillof stood silent, paralyzed by the other's deadly threats. From what he had read and heard he believed that for once Kelly was telling the truth.

"I—I'll think it over," he muttered and stumbled out of the room.

AFTER the clammy warmth of the night club the cold, biting wind sweeping across Grant Park onto the boulevard from Lake Michigan was invigorating. It cleared his head and brought back to him some of the joy of life. He decided to walk to the Drake, where he had a suite.

Almost subconsciously he noted the huge clock at the pinnacle of the light-bathed marble-white shaft that was the Wrigley building tower. Four-thirty! Michigan boulevard at that hour presented a strange contrast to the jammed traffic artery of the day and evening. It was deserted save for a few belated pedestrians like himself, a sprinkling of private cars and taxicabs with their tire chains roaring and rattling against the snow-covered pavement.

He crossed the heavy concrete boulevard bridge. The Chicago river, forbiddingly dark and silent, flowed to either side. The remembrance of Kelly's threat made him shiver slightly. He burrowed deeped into his fur coat and swung on up the avenue.

It seemed hours before he slept. The events of the night churned over and over in his mind in an interminable turmoil. Not since the rise of the Bolsheviki in his native Russia and the resultant loss of his vast estates had anything upset him so completely as the thought of Evelyn Brent's being engulfed by the vast city's night life. He loved the girl. He hadn't realized it until he saw her depart with another. But he knew it now. The bare thought of the insolent, rascally Ricardo made him shiver with rage.

He wanted to marry Evelyn. He wondered if her mention of marriage had been meant as an encouraging hint. One moment he devoutly hoped so. The next, he hoped not. His brusque rejection of it had sprung not from his lack of desire for marriage but from his realization of his ability to achieve it. That is, to achieve it and retain his self-respect.

He knew many women, wealthy women, who would be glad to marry him and support him in elegance the balance of his life. He held no illusions about his attractions. They bred within him not the slightest feeling of egotism. The world contained many handsome men. Yet he realized that he possessed every attribute for a successful international marriage. There were few women who would not enjoy registering at fashionable hotels as the "Princess Masillof" and being addressed as "your highness." Especially when, the man who accompanied the title was entirely desirable. He could sell himself and his title for millions, for lifelong luxury. But the mere thought of such a parasitic existence was repugnant to him. In a condition like that he should be unable to face himself in a mirror.

MIDNIGHT found him in his accustomed place near the inner doorway of the Club Royale, bowing and smiling with all the cordiality he could summon to the patrons as they streamed in through the velvet-draped opening. He had not weakened in his decision to leave the place. But two more nights remained of the present week and he would need that six hundred dollars to live while he hunted another job. But he was firmly resolved to tell Evelyn everything at the first opportunity and to plead with her to forsake the Club Royale forever.

He saw Kelly staring down at him from the balcony and sneered inwardly as he saw the manager turn away. Undoubtedly the fellow thought his threats of violence had turned the trick. Funny how people who thought only in terms of might and ruled only by force could not realize the power of mind and spirit.

The girl came in late. And the high color in her cheeks indicated racing thoughts. Perhaps emotions. Masillof bowed uncertainly, doubtful of her reaction. But she was friendly, almost effusive. No trace of her black mood of the previous night remained. He led her to his accustomed table with masked face and grim lips.

"I'm glad you came tonight," he said gravely. "I have something important to tell you."

"And I have something to tell you. A great deal. First, I'm sorry for the way I acted last night. When I think over it now I realize I must have made a show of myself. But I was furious at Frascita."

"So was I," he assented quietly.

"I think that cigarette must have had something to do with it. I felt awfully strange when I left here. And Ricardo was perfectly terrible."

"I knew he would be. He's like that."

"I had to threaten to call a policeman before he would let me out of the car."

"I'm not surprised. And now—" he paused and looked up as a waiter approached and handed him a note. There was a visible concern in Masillof's face as he unfolded it. "Pardon me," he muttered.

HIS eyes swept over the tiny sheet, then his fingers crushed it and he looked up with a quick, indrawn breath that whistled noisily through his clenched teeth. The words had burned themselves into his brain. He could see them standing out before him in lines of fire: **If you tell anything you will not live to finish it.** The handwriting was Kelly's.

"What's the matter, Boris?" demanded the girl anxiously.

The question surprised Masillof. He did not realize that his agitation had penetrated through to the outside, that his face had grown gray and lined, that his eyes were wide and with haunting fear in their depths.

"Nothing," he grunted and attempted to smile.

With a trembling hand he dropped the note into his pocket. His gaze roved about the room, searching for the spy or spies. He gasped as his eyes riveted to a table twenty feet away. Two men alone, obviously uncomfortable in rusty, soup-spotted dinner coats. Lean, hard faces. Grim, ruthless mouths. Penetrating eyes. And one of them gazed into his lap where his fingers were examining a black, murderous automatic. The man dropped the gun into his coat pocket and stared hard at Masillof. And the nobleman chilled under the gaze. His own wavered, then shifted to the girl. Those men must be Kelly's henchmen, his murderers if need be.

His heart was racing so that it almost strangled him. And his mind raced in unison with it. A thousand thoughts, ideas, memories, rushed through his brain as though it were a sieve. He had heard that people drowning experienced such a sensation.

Then a single thought emerged from the mass, growing until it obscured all the others and held sway alone. He must tell in spite of everything. He was through with pretense. The strain had become intolerable. He must relieve it or crack. His head went up and his face cleared. Better men than he had died for principle.

"I have something very important to tell you," he said lightly but in an abnormally low tone. He laughed aloud and the girl gazed at him in wonderment. "I've been threatened with death if I told you this. There are armed men here now watching me. But if I seem very gay they may not suspect . . . Don't look frightened that way. Smile. Be merry. Let's see how good an actress you are."

"I—I'll do my best," stammered the girl. "But what could it be so important as that? Can't we talk someplace else—some other time?"

"NO. I'm going to tell you now." He laughed again, that strained, mirthless laugh that set the girl's nerves on edge and made her want to scream. "I'm a fraud."

"A fraud!" The girl's voice held a breathless catch that made his heart leap. "You're not Prince Masillof?"

"Oh, I'm Prince Masillof all right. But I'm working here, selling my rank and position for enough to live on. I'm paid to be here every night to add 'class' to the place so that the better people will come here."

"You've succeeded!" she breathed.

"Yes. But at the cost of my self-respect. I can't stand this pretense. I couldn't sail under false colors any longer. I had to tell you the truth."

He paused, his mouth twisted into a mechanical, tight-lipped smile, inexpressible agony in his eyes, awaiting censure, ridicule, perhaps vehement condemnation. But the girl's reaction was none of these. Her face indicated how deeply his remarks had struck. She seemed shocked, unbelieving.

"Oh!" she gasped at last. "I'm sorry."

"You were right about that cigarette having an effect," continued Prince Boris. He fought to keep his eyes on the girl opposite, but they wandered to the two men at the nearby table. Both were staring at him with terrible intensity. But he rushed on, headlong, frantic to finish before anything should happen. "Ricardo is a dope peddler. For Kelly." He spat out the manager's name like a mouthful of spoiled food. "They're terrible men, Evelyn. I'm no angel myself, but I'm ashamed to admit having been connected even remotely with them and their doings. This is no place for you, dear girl. It'll get you in the end. Promise me for your own sake that you'll never come here again."

He finished with a breathless rush of words that left him panting and trembling, and looked at the two men. They were rising, in the right hand of each an ominous black shape that held death. On the other side of the room stood Ricardo, his handsome face disfigured by that insolent, despicable smirk that he thought was a smile. At the moment it seemed to hold contempt and triumph.

PRINCE BORIS summoned all his strength and rose. As straight and dignified as a lighthouse at sea he stood with lifted chin and steady eyes, waiting, waiting. He would have a soldier's death. They couldn't deprive him of that.

But the two men hurried past. Amazed, he followed them with his eyes. Ricardo was extending his cigarette case to a brazen flapper with wild hair and sheer, abbreviated dress. The strangers closed in on him, seizing him by either arm, and rushed him out of the supper club before enough people realized what was happening to cause a commotion.

Prince Boris sank into his chair, panting from the strain and mopped his beaded forehead.

"Officers!" he gasped. "After Ricardo." He laughed hysterically at the horrible quarter of an hour they had given him.

"Serves him right!" snapped the girl. She looked at him archly, dimpled chin cupped in her two lovely pink palms. "To resume our conversation: I will promise to stay away from here on one condition—that you give me your **real** reason for your request."

"There is only one," answered Masillof. His voice was still shaky; his face pale. The girl, of course, did not realize what a soul-torturing ordeal he had just gone through. "For your own good."

She pouted disappointedly.

"You're a lovely girl, Evelyn," continued Prince Boris gravely. "Very lovely indeed. But you won't keep your loveliness long here. Somehow places like this are ruthless thieves, of beauty, of mind, of soul. You don't belong here, dear girl. It's no place for respectable people who wish to remain so. And I believe you do. You're to wonderful not to. A beautiful woman who is bad is one of the greatest tragedies to be found in the world. Go back to Andy and live happily ever after."

"No." There was unexpected firmness in the small voice; tremendous decision in the firm chin. "When one has tasted champagne, water won't do."

"What do you mean?"

"What I said. I could never be happy with Andy. He's a nice boy and all that but he wouldn't do for me—now. I've met another—" she caught herself and the color flooded into her cheeks—"other men so much more wonderful."

Masillof could feel the blood pounding in his temples. His breath was coming in short quick gasps that did not satisfy. But somehow he could not force it deeper. An idea was battering at his reason with restraint-shattering blows. He trembled on the brink of the greatest conscious moment in a man's life. Could she mean—

"I love you, Evelyn!" he exclaimed suddenly. His emotions had escaped his control. "Have for a long time. I've wanted to propose to you. But I realized how impossible it was. It still is. I have nothing to offer a wife but a title and love. I don't even know that I could make a decent living for her. Of course, you have money. But I won't live on my wife. I couldn't, and keep my self-respect. So I can't propose marriage to you. I'm sorry. But I wanted you to know that I will always love you."

The girl sat silent a long time, her eyes luminous with tears. Then she blinked and sighed heavily.

"I appreciate that. Now I'm going to tell you something. And I am going to be as frank as you have been. I'm not an heiress. Almost every cent I possess is on my back this very minute. These jewels are all paste, like yours. A symbol of pretense. I'm an actress but I couldn't convince the managers of it. I got tired of it all and decided to get married. I've been coming here in the hope of meeting an eligible husband. One that I could love. And I have. You're it," she finished bluntly.

Her flaxen blonde beauty dazzled him across the table. Surely she could never be his.

"You would marry me when I have nothing to offer but love?"

"Yes. That's all I have to offer, too. But with only that we can help each other and make a go of it like the good sports I believe we both are."

THE END

WNYC Answers O. Henry's Quiz

NEW YORK'S Municipal Broadcasting Station Is "Voice of the City," Which Famous Author Sought in Vain

O. HENRY, master of the American short story, knew his New York as well as he did his Heart of the West. He carried his reader into the mansions of the rich and the slums of the poor. He gave New York a personality and once he set out to find the Voice of the City—an articulate, positive note to voice the tongue of New York.

He died too soon to fulfill literally that mission. Today the Voice of the City has become a recognized actuality. It has become physically, orally, officially vocalized. The Voice greets the world through the Municipal Radio Broadcasting Station, WNYC, on the roof of the Municipal Building, New York city.

There O. Henry's search would end. The sophisticated newsboy, pausing in the boisterous purveying of his wares, would answer the inquiring Mr. Henry by a definite gesture of his dirty finger:

"Voice of the City, yuh mean WNYC? Yeah, right across duh square on duh Municipal Building. Pape, mister, pape-alla-bout-duh-Mills-moiduh, pape?"

Cutting through the little park of the old city hall the inquirer would cross over to the building indicated and ascend to the twenty-sixth floor.

As a typical visitors' day it may have been the occasion of the second anniversary of the station, last July eighth. If you remember the story, O. Henry telling it in the first person, had left the beautiful Aurelia on the top step of the boarding house with the moonlight flickering over her nose through the ivy vines. He put the question to the newsboy, the policeman, the poet, and others as he sauntered along on the strange assignment.

"What is the Voice of the City?"

Now, stepping out of the elevator on the twenty-sixth floor of the Municipal building he would have been greeted by Mr. R. Bruce Lum, the program director of WNYC.

"Come right in and we'll show you the vocal chords at work. We are broadcasting tonight from our out-door studio," explaining as he led the way through the regular studio out under the veritable stars of heaven and to a stage decorated with the flags of various nations, palms and potted plants of all kinds.

"You are now listening to the Voice of New York as it comes from the snowy throat of that exquisite little lady with the moon-kissed hair. She is Miss Gertrude Lang. You probably have seen her in the stage play, 'Blossom Time.' She was one of the stars. The little lady who sits next to the big Boston fern is her companion artist, Miss Hollis Devanney, also of 'Blossom Time'."

"Ah! So the Voice of the City is soprano?"

"For the moment, yes, but you will now hear New York's Voice in a different key. That gentleman with the bit of kerchief showing in his breast pocket and the oversize trousers is Mr. Albert Goldman, commissioner of the department of Plants and Structures. By virtue of his office he is supervisor of the municipal Radio station. Notice his square-cut jaw, his calm gray eyes—is he not the personification of the city as he speaks with its voice?"

(*Continued on page 22*)

Above is the exquisite "Blossom Time" maiden, Miss Gertrude Lang, who helped WNYC celebrate its second birthday. At the left is the Aida Brass Quartette, which added a thrilling note to the "Voice of the City." Below, Mr. Albert Goldman, one of the city commissioners, speaks for New York to Radio listeners and tells of the station's plans.

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There Is No Chaos

THE Editor's desk has been heaped full of all sorts of propaganda during the past month dealing with the "free wave length" situation. Some stories are obviously written under the pressure of pink-tea-addicted brains by bemuddled press agents and frightened persons. Others bear some weight.

So far as we can determine, there is no chaos in broadcasting. Confusion, where it has arisen, has been stamped out by offended listeners. Stations have learned that it pays to prevent chaos. In other words, business is going on as usual.

Some few "jumpers" have taken wave lengths which give them increased audiences and cause less interference than their former waves, assigned by the department of commerce. Other stations confiscated waves which caused heterodyning and interference, but in nearly every case these broadcasters have used good judgment enough to rectify their mistakes either by going back to their old channels or selecting more suitable ones.

There is little, if any, interference. There is no chaos. Letters from readers all over this country and Canada bear out this statement.

"The talk of chaotic conditions among broadcasting stations has no basis in fact," said A. T. Haugh, president of the Radio Manufacturers association after a meeting of the board of directors of the association recently at Cleveland. He said further:

"This association which is representative of the leading manufacturers of Radio apparatus in the United States believes that the future of the Radio industry is entirely in the hands of the listening public. Recent attempts to gain publicity by scarehead articles regarding 'chaotic conditions' are wholly unwarranted. There is only one thing in which the listening public is interested and that is what they get over the air. Everyone knows that the programs have been increasingly good and those who are conversant with the plans for fall and winter know that broadcasting instead of being less interesting, will be very much more so. The talk of chaos among broadcasting stations has no basis in fact.

"Practically all of the stations have agreed to 'stay put' until such time as suitable regulation has been provided. As a matter of fact the need of regulation is more theoretical than actual for the simple reason that the natural forces which are at work in the situation will automatically govern every broadcasting station for its own best interests."

A Good Creed for Stations

WE ARE in receipt of a list of microphone instructions which is given to all artists and performers who appear at KOA, General Electric station at Denver, before they are permitted to go on the air. Other broadcasters, some of them, have similar instruction sheets. All should have. The list follows:

"Programs start on the minute.

"Coughing, sneezing, clearing the throat, scraping the feet and other disturbances in the studios are annoying to listeners. The microphone is so sensitive that the slightest commotion may be transmitted to the unseen audience. Therefore, when the announcer calls, 'Quiet everybody,' kindly comply.

"Do not begin singing or playing until the announcer gives the signal.

"Unless you have memorized your music, be prepared with an extra copy, as you do not stand near the piano when singing.

"Do not get perturbed if the announcer motions for you to move nearer the microphone or withdraw, while singing.

"Very loud singing or playing is objectionable, as it detracts from successful broadcasting, often producing a shattered effect. The best choral effects are obtained when each person sings in a subdued manner.

"To pianists: Too much loud pedal spoils the rendition. The top of the piano should be left down, as the best broadcasting is accomplished when the instrument is closed."

RADIO INDI-GEST

The Commissary Clerk

The commissary camp clerk leads a Nomad sort of life;
He has to be a single man, he can't drag 'round a wife.
When one part of the country on his view begins to pall
He tells the firm about it and they move him, that is all.

He may be in the frozen North when winter hits amain,
And wish to go far southward in the sun to bask again;
Or if far South in summer, when the air is hot as Sheol
He wants to go up North again, a cooling breeze to feel.

In either case his wish is law, the firm to it attends.
They send his transportation, and his onward way he wends.
A hobo of the De Luxe kind, he rides the cushioned cars,
And will ride the Ether Liners when they open camps on Mars.

GEORGE
"One of Them"

In the second post, we find George has been busy manufacturing "anagrams." You see, a commissary clerk has lots of time on his hands between Radio programs and sales of Climax cut plug. The idea of an anagram is to take a perfectly good word or phrase, chop it up into letters, and then assemble it into other almost perfectly good words or phrases. Let's quote George:

"I find on transposing the letters of the name 'The Radio Digest' that they give us the information that it is either 'The Air Tides God' or 'The Air Tides Dog,' but as the same letters also tell us the 'Editor Hides Gat,' it might be well to use the first anagram for safety's sake. As for 'Dielectric' the best we can do for him, 'though the spelling may be not according to Webster, is to call him 'Criticel Ed,' which fits perfectly.

"But wait—turning to 'Radio Indi-Gest' we find in transposing the letters of its heading that it is made up of 'Idiot Readings,' so Mr. Indi-Gest conductor, just try to laugh that off."

Out of Season

A Spring Poem Written in the Fall

O Glorious Spring—'tis here, 'tis here.
In the Good Old Days 'twould mean—Buck Beer.
But now we must sit on the Orchard gate,
And wait 'till fall to percolate.
Till the cider gets hard and our voice gets strong,
Raring to sing—"The Winter Song"
In all probability you'll want to know,
What all this has to do—with Radio.
Now our answer to you we'll sweetly sing,
Nothin' a-tall, not a gol darn thing.

OLD KING TUTT (Hiz self)

FRANQUE'S FILOSOFEE

Blessed are the Radio artists for they shall get the air.

The Decline of Radio

My dear Old King Tutt (Himself): Thank you for dedicating a poem to me—it's the first time in my life such an honor was bestowed on me. And as for your grief about she-male Radio articles, I bear with you—There, there, pull yourself together—the salty tears will spoil the varnish on your Radio.

Do you remember the good old days when we snuck up in the attic and put the first set together? It had one tube and plenty of regeneration. Remember when we drilled the panel with an ice pick and what a horrible smell it made? And finally, when the last connection was soldered, we hitched it to the 300-foot aerial, extra long to be sure to catch the weak waves, and in the wee small hours, after much squawking, we heard—MUSIC—then a long agonizing silence—and then, heavenly bliss, a voice from far, far away, say, "Ki-Dee-Ki-Ay, PITTSBURGH testing." Then a terrible roar of static burst forth, and that was all we heard that night, but what a night, WHAT a night! And then we changed a few wires around and suddenly there was a supernatural brightness from the precious tube and zowie, $9.50 had gone up in smoke. Next morning, or rather that same morning, we hied to the Radio store, brushed aside a dozen clamoring customers and for cash on the counter received another tube, the last one in stock. Didn't hurt a bit, either, to part with the lucre. Do you remember? You tell 'em!

AND NOW! "What deep secret would you like to know about your favorite broadcast star?" "Is she a blonde?" "Does she Charleston?" "I think she has a darling voice—I bet she is little Goldie Locks from Red Bank, I recognize her adenoids." "The next program will be under the auspices of the National Compact Company—a beautiful furlined powder puff will be given to the first gentleman telling us what Slicko has done for his hair." "Are you in love? Then listen in on Aunt Sniffly's Heart Talks to Girls."

Enough of this. "The stars are setting and the caravan starts for the dawn of nothing." Let's go, OLD KING TUTT, we're done!

THE THIRD TROMBONE PLAYER.

Sure, Talk Is Cheap

Dear Indi: I note with national pride and satisfaction that some of the world's best Radio announcers are of Scotch extraction, for example, Bill Hay of WGN and WLIB, Pete MacArthur of WOC, Graham McNamee of WEAF, and Edward Davies of WIP. HOOT MON

Modern life has its complexities. Take for instance the case of Chief Whitecloud, full-blooded Cherokee from Oklahoma, who at WHN recently broadcast "Eli Eli" as a saxophone solo. ***INDI***

The Angelus

Condensed

BY DIELECTRIC

At last we broke through the interference to catch something of the program features presented from Station WTAM, Cleveland, a thing attempted many times before during the past few weeks to no avail. The Collegian Serenaders are quite capable of providing entertainment calculated to take some of the frost out of the air these bitter cold evenings. You almost forgot to curse static and open pores while these songsters are performing. Then the Euclid Beach Park orchestra does its best (which is a good deal) to keep your dials steady until they complete their share of the Willard broadcasting schedule.

Station WEAF, New York, and the "chain gang" allied with it on Sunday evenings, carry the sweet tenor voice of Allen McQuhae—familiar to thousands of Radio listeners—in songs made popular years ago. It is not difficult to understand why the Radio public have formed an attachment for Mr. McQuhae, for not only has he the art to produce tones of rare charm, but so much expression accompanies them as to give life to the words of the songs. This regular feature during the summer months is maintaining great goodwill toward Mr. Atwater Kent, the sponsor of these and the regular winter concerts.

Station WJJD, Mooseheart, Ill., apparently has lost none of the goodwill earned by this station during the time it has been on the air. Its programs have had an appeal outside of the members of the order of Moose (by which it is owned) to an extent probably equal to that enjoyed by Station WOAW, operated by the order of Woodmen. I have found in most of their programs features worthy of favorable comment and only recently listened to a tenor soloist presenting a group of well-chosen songs pleasingly rendered. It is the season for leniency with announcers. They have a difficult job at all times and especially when the mercury is awaiting the zero hour to go over the top. When fall comes there will be a few darts scattered in this column.

There is nothing in the programs broadcast from Station WEBH, Chicago, to cause undue strain on the mental faculties of anyone; there is much to relieve tired nerves and fagged brains. This station should carry to distant points even through the season's barriers with its entertainment from the Uptown theater, popular artists' programs and the zestful frolic hour of a late evening schedule. There was something of a more definite nature I had prepared to state with reference to this station but that has perspired away forever.

Two features from Station WLW, Cincinnati, fixed themselves for a showy entrance on this page and must be given space right here. One of these is the concerts given by the Formica symphony orchestra, an organization receiving considerable notice in these columns in months past due to the distinctly favorable impressions made on this reviewer. The other is the organ recitals given Sunday evenings.

Then, too, it is a real pleasure for me to draw attention to the well-planned series of all-star artist concerts coming from Station WLS, Chicago. Don't have any hesitancy in tuning to this station during the hours when these features are on the air, because the old trite saying revives meaning and you will feel you lost much through hesitating. To date the artists have measured up to a high standard of excellence and no one listening to the little symphony orchestra can refrain from unstinted praise of that body of musicians.

DAMROSCH IN SERIES ON 13-STATION CHAIN

SYMPHONY LEADER UNDER AUSPICES OF FANSTEEL

Balkite Makers Provide Concerts to Be Given Saturday Nights Beginning October 23

NEW YORK.—Walter Damrosch is to be on the air regularly over the WEAF chain!

The Fansteel Products company, manufacturers of Balkite Radio power units have just completed arrangements for this great event in the history of broadcasting. Beginning on October 23 they have arranged for Mr. Damrosch and the New York Symphony to broadcast a regular series of concerts over thirteen stations in the chain of stations of the Broadcasting Company of America.

These concerts will be given every Saturday night at 9 p. m., Eastern time, over Stations WEAF, New York; WEEI, Boston; WGR, Buffalo; WFI, Philadelphia; WCAE, Pittsburgh; WSAI, Cincinnati; WTAM, Cleveland; WWJ, Detroit; WGN, Chicago; WCCO, Minneapolis-St. Paul; KSD, St. Louis; WDAF, Kansas City, and WOC, Davenport.

First Series of A-1 Symphonies

While Mr. Damrosch and his orchestra have been on the air before, this is the first time that any attempt has been made to broadcast a regular series of symphony concerts. The program is one of the most ambitious ever attempted by any broadcaster, and in effect makes available to any owner of a Radio set a symphony season in his own home.

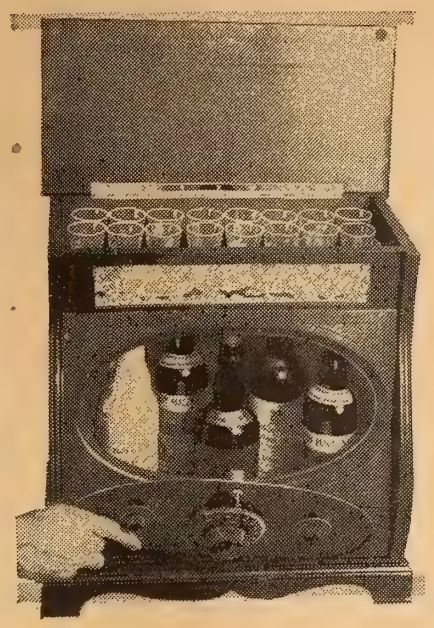
The first concert will be a full symphony program by Mr. Damrosch and the orchestra. Thereafter the concerts will be arranged as far as possible in pairs. Each symphony program will be preceded by a piano recital by Mr. Damrosch alone.

Will Have Educational Value

In these recitals he will discuss, explain and play important parts of the programs of the following week. By this method it is expected that the programs can be made not only of the greatest entertainment value, but be made to constitute a liberal education in music as well.

Mr. Damrosch is too well known to require comment. It is not surprising that he should be the pioneer in symphonic broadcasting, for he was one of the pioneer orchestra leaders in the country. Perhaps no other person has done as much as he in the development of music in America. He grew up with American music, and to many his name is synonymous with its growth. Today he is one of the most popular and best known of conductors.

For Wet Waves



An interior view of F. R. Hoyt's "Wet Wave Receiver" divulges its innermost secrets. He built the pseudo Radio set for a friend of his who wanted a receiver with a "kick in it." His order was filled.

KPO Duplicates Famous Chimes

SAN FRANCISCO.—A set of chimes, duplicates in tone of the famous Westminster Chimes of London, have been added to the equipment of Station KPO. The chimes will be rung three times each day, at 8 a. m., 6 p. m., and 8 p. m., Pacific time, on week days and at 6, 8 and 10 p. m. on Sundays.

Famous Oriole Returns To Ether and Friends

Russo-Fiorito Orchestra on WIBO with New Contract

CHICAGO.—They're back on the air! Have you heard them yet? Who—don't you know? Why the Oriole orchestra, of course! Yes, Dan Russo and Ted Fiorito's Oriole is back on the air exclusively through WIBO, broadcasting nightly by remote control from the new Aragon ballroom, the most wonderful and costly ballroom in the world.

WEBH listeners regretted recently when they heard the Oriole was leaving them, but they are now happy to learn that the Russo-Fiorito organization, manufacturers of tones and harmony sublime, can be heard simply by tuning to WIBO.

The contract signed by the Oriole to play at the Aragon is reported to be of a record-breaking amount.

Six microphones, to pick up each group of instruments correctly, and a special speech amplifier tended by an operator always on duty, are employed at the Aragon ballroom. WIBO is owned jointly incidentally, by Nelson Brothers and the Russo-Fiorito Orchestral exchange, so that the Oriole is really on the air from its own station.

STAGE SET FOR RADIO WORLD'S FAIR AT N.Y.

Half Million Attendance by Public Is Expected

NEW YORK.—Radio as an industry will demonstrate its rightful assumption of a place of prominence in American "Big Business" in connection with the Radio World's Fair during the week of September 13. With every inch of space sold, for the greatest showing of new Radio receivers and accessories ever held under a single roof, the Radio World's Fair will not be simply the most impressive Radio exposition ever held, but it is confidently believed that it will be the largest and finest industrial show ever conducted in the United States.

Madison Square Garden will be a gala scene as the doors are opened.

Exhibits and their decorative settings will represent an outlay of $1,000,000. They will be seen by an estimated 500,000.

DECLARE AMERICAN SOCIETY NOT TRUST

DEPT. OF JUSTICE GRANTS MUSIC MEN CLEAN BILL

But, Regardless, Broadcasters Won't Like Any Better to Be Squeezed for Millions

By L. M. Lamm

WASHINGTON, D. C.—An investigation has been made by the department of justice into the activities of the American Society of Composers, Authors and Publishers, which came into considerable prominence during the past session of congress in connection with copyrighting music over the Radio. The department has the following to say in connection with the investigation:

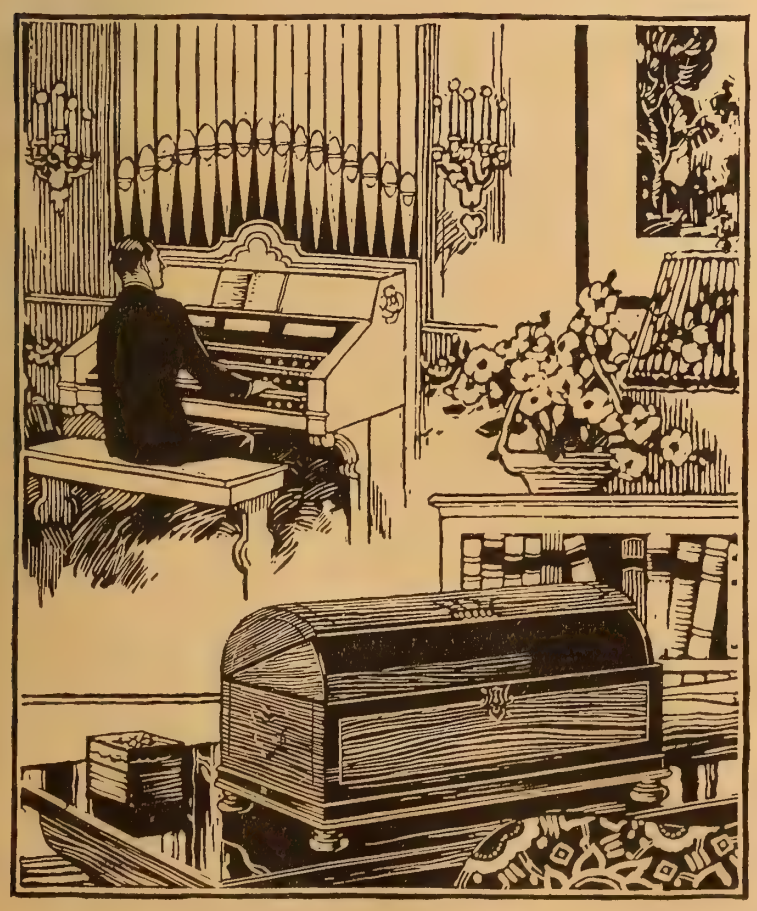
"As the result of a large number of complaints which were received by the department of justice with reference to the so-called music tax collected by the American Society of Composers, Authors and Publishers from the owners of motion picture houses and of other public places of entertainment where popular music is played, a thorough and comprehensive investigation was made of the organization and operations of that society. Several special agents of the bureau of investigation were engaged almost continuously for a period of about two years.

"After all the facts elicited by the department's investigation had been very carefully considered by the department, the society has been advised that the department saw no reason for proceeding against it under the antitrust laws on account of its operations.

Lady Likes KGW Concert So Well She Sends $25 Check

PORTLAND, Ore.—No ordinary sense of appreciation prompted an enthusiastic listener to express her gratitude for a recent KGW entertainment by enclosing a check for $25 to be used, at her special request, for a dinner for the artists and announcer responsible for the program.

Hundreds of letters and post cards recording the applause of the listeners for programs which they adjudged exceptionally good are received, but this is the first case that the listener actually attempted to say it with dollars.



The Spell of Radio Magic Unbroken!

HERE is the Radio Sensation of years—the Velvet "Jewel Case". Its grace of contour and quiet finish naturally blend into the most tasteful surroundings and reproduction is so complete and natural that you lend yourself to the full enjoyment of the melody *"just as if you were there!"* Sales will reach unprecedented volume—for the public wants it! Write or wire for dealer or jobber franchise quick!

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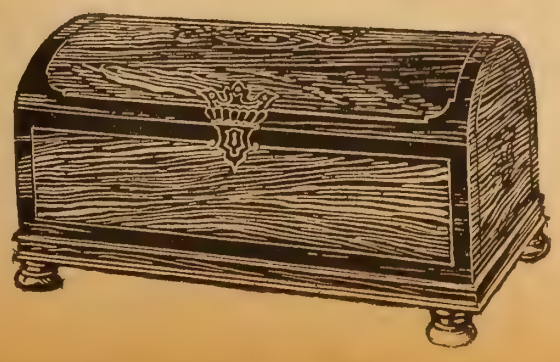
Number 21
$45.00

A masterpiece in design, workmanship, and acoustics.



Velvet Radio Speakers

Number 9
The "Old Lantern"
Price $12.50

AN EVENING AT HOME WITH THE LISTENER IN
IN CENTRAL TIME

Call	Location	Met.	Kc.	Saturday	Sunday	Monday	Tuesday	Wed.	Thursday	Friday
AT9	Fort Bragg..	435	690	Silent	5:00- 6:00	Silent	Silent	Silent	7:00- 8:55	Silent
CFCA	Toronto....	356.9	840	7:00- 8:00	5:00- 8:30	Silent	Silent	Silent	Silent	Silent
CFCN	Calgary.....	356.9	690	11:00- 1:00	Silent	Silent	Silent	Silent	9:00-10:00	Silent
CJCA	Edmonton..	434.5	580	10:00-12:00	8:30- 9:30	8:30-10:30	8:30- 9:00	7:00- 9:00	10:00-12:00	9:00-12:00
CKAC	Montreal...	516.9	730	5:15-10:30	12:45- 3:45	Silent	5:15- 9:30	Silent	6:30- 7:30	Silent
CKCL	Toronto	410.7	840	5:00- 6:00	1:00- 2:55	Silent	5:00- 9:50	Silent	5:00- 6:00	Silent
CKNC	Toronto....	356.9	840	Silent	Silent	Silent	Silent	Silent	6:00- 8:00	Silent
CKY	Winnipeg...	384.4	780	Silent	Silent	11:00-12 00	Silent	9:00-11:00	9:00-10:00	Silent
CNRO	Ottawa.....	434.5	690	6:30-11:30	Silent	Silent	Silent	6:30-11:30	Silent	Silent
CYL	Mexico City.	480	625	Silent	9:24-10:54	Silent	9:24-10:54	Silent	Silent	9:24-10:54
CZE	Mexico City.	350	857	8:24- 9:24	Silent	8:24- 9:24	8:24- 9:24	8:24- 9:24	8:24- 9:24	8:24- 9:24
KDKA	Pittsburgh..	309	970	7:00- 8:55	Silent	4:30- 8:55	7:00-10:35	7:00- 8:55	7:00-10:15	7:00- 8:55
KFAB	Lincoln.....	340.7	880	5:30- 2:00	9:00-11:00	5:30-10:30	5:30-10:30	5:30-10:30	Silent	5:30-10:30
KFDM	Beaumont..	315.6	950	Silent	8:00- 9:00	Silent	8:00-10:00	Silent	Silent	8:00-10:00
KFH	Wichita....	267.7	1120	7:00- 8:00	Silent	7:00- 8:00	Silent	7:00- 8:00	Silent	7:00- 8:00
KFI	Los Angeles.	467	642	9:00- 3:00	9:00- 1:00	9:00- 1:00	9:00- 1:00	9:00- 1:00	8:30- 1:00	9:00- 1:00
KFJF	Okla. City..	260.7	1150	7:15-10:30	1:30- 9:00	7:15- 9:45	Silent	7:15- 9:45	7:15- 9:45	7:15- 9:25
KFKX	Hastings....	288.3	1040	5:30- 6:30	Silent	5:30-11:30	5:30- 8:00	5:30-11:00	5:30- 8:00	5:30-11:00
KFNF	Shenandoah	461.3	650	7:00-12:00	2:30- 8:30	7:00-12:00	7:00-12:00	7:00-12:00	7:00-12:00	7:00-12:00
KFOA	Seattle.....	454.3	660	11:30- 1:00	Silent	9:00-12:00	8:00- 1:00	9:00-12:00	Silent	8:00- 1:00
KFON	Long Beach.	232.4	1290	8:30- 2:00	8:30-12:00	8:30- 2:00	8:30- 1:00	8:30- 1:00	8:30- 2:00	8:30- 2:00
KFQB	Fort Worth.	508.2	590	8:30- 9:30	3:00- 8:30	8:30- 9:30	8:30- 9:30	Silent	8:30- 9:30	8:30- 9:30
KFUO	St. Louis...	545.1	550	7:45- 8:45	9:15-10:15	8:00- 9:00	6:30- 7:30	9:15-10:15	Silent	9:30-10:30
KFVE	Univ'ty City	240	1250	9:15-10:15	Silent	9:15-10:15	9:15-10:15	9:15-10:15	Silent	9:15-10:15
KFWA	Ogden......	260.7	1150	10:00- 1:00	Silent	10:00-12:00	Silent	10:00- 1:00	Silent	10:00-12:00
KFWB	Hollywood..	252	1190	8:30- 1:00	11:00- 1:00	8:30- 1:00	8:30- 1:00	8:30- 1:00	8:30- 1:00	8:30- 1:00
KFWI	San Fran...	226	1330	Silent	10:00- 2:00	10:00- 2:00	Silent	10:00- 3:00	12:00- 2:00	10:00- 3:00
KFXF	Colorado...	250	1200	9:00-10:00	9:00-10:00	10:00-11:00	9:00-10:00	Silent	10:00-11:00	9:00-10:00
KGO	Oakland....	361.2	830	10:00- 2:30	5:30-10:30	8:00-12:00	8:00- 2:00	8:00- 8:55	10:00- 2:00	8:00- 8:55
KGW	Portland....	491.5	610	8:00- 2:00	9:30-12:00	8:00- 2:00	8:00- 2:00	8:00-11:20	8:00- 2:00	8:00- 2:00
KHJ	Los Angeles.	405.2	740	8:30-12:00	9:00-12:00	Silent	10:00-12:00	10:00-12:00	10:00-12:00	10:00- 1:00
KIAF	Sihtipok....	421	709	Silent	4:00- 5:00	9:00-10:00	Silent	9:00-10:00	Silent	9:00-10:00
KJR	Seattle.....	384.4	780	Silent	9:15-12:30	10:30-12:00	10:30-12:00	10:30-12:00	10:30- 2:00	10:30-12:30
KLDS	Independ...	440.9	680	8:00- 9:00	6:30-10:00	Silent	8:00-11:59	Silent	8:00- 9:00	Silent
KLX	Oakland....	508.2	590	Silent	Silent	10:00-12:30	Silent	10:00-12:00	Silent	9:00-12:30
KMA	Shenandoah	461.3	650	9:00-11:00	4:00- 6:00	9:00-11:00	9:00-11:00	9:00-11:00	9:00-11:00	9:00-11:00
KMMJ	Clay Center.	229	1310	8:00- 9:00	8:45- 9:45	8:00- 9:00	8:00- 9:00	Silent	8:00- 9:00	8:00- 9:00
KMOX	St. Louis...	280.2	1070	6:30-11:00	9:00-10:30	7:00-11:00	6:30-11:00	6:30-11:30	Silent	6:30-11:00
KNX	Hollywood..	336.9	890	9:30- 4:00	9:00-12:30	9:00- 2:00	9:00- 2:00	9:00- 2:00	9:00- 4:00	9:00- 2:00
KOA	Denver.....	322.4	930	Silent	7:30-10:00	7:30-11:15	7:30- 8:30	7:30- 1:00	7:30- 8:30	7:30-10:00
KOIL	Council Blfs	305.9	980	7:30-12:00	7:30-12:00	6:03-12:00	6:03-12:00	Silent	6:03-12:00	6:03-12:00
KPO	San Fran...	428.3	700	8:30- 2:00	8:00-12:00	8:30- 1:00	8:30- 1:00	8:30- 1:00	8:30- 1:00	8:30- 1:00
KPRC	Houston....	296.9	1010	7:30-11:00	7:30-12:00	7:30- 9:15	7:30- 9:15	7:30-10:00	7:30-10:00	Silent
KPSN	Pasadena...	315.6	950	10:00-12:00	10:45-11:45	Silent	10:00-11:00	Silent	10:00-11:00	Silent
KSBA	Shreveport..	312.3	960	9:00-12:00	7:00-11:00	10:00-11:30	9:00-12:00	Silent	8:00- 9:30	Silent
KSD	St. Louis...	545.1	550	7:00-10:00	5:15- 8:15	8:00-11:00	6:00- 9:30	6:00- 8:00	7:00- 9:00	7:00- 9:00
KSL	Salt Lake...	299.8	1000	9:00-12:00	8:30-11:00	8:00-12:00	7:00- 9:00	8:30-12:00	8:30-12:00	8:30-11:00
KTAB	Oakland....	302.8	990	Silent	9:45-11:15	10:00-12:00	10:00-12:00	10:00-12:00	10:00-12:00	10:00-12:00
KTBI	Los Angeles.	293.9	1020	Silent	9:15-11:30	Silent	10:00-11:00	Silent	10:00-11:00	Silent
KTCL	Seattle.....	305.9	980	Silent	8:10-11:10	9:00-10:00	10:00-11:00	Silent	Silent	9:00- 2:00
KTHS	Hot Springs	374.8	800	9:00-10:00	9:10-10:00	9:00-10:30	9:00-10:15	9:00-10:00	9:00-10:00	9:00-10:00
KTW	Seattle.....	455	660	Silent	9:00-11:30	Silent	Silent	Silent	8:00- 9:30	Silent
KVOO	Bristow.....	374.8	800	7:00-10:00	7:00-10:00	7:00-10:00	7:00- 9:00	7:00- 9:00	7:00- 9:00	7:00- 9:00
KWCR	Cedar Rapd.	278	1080	Silent	9:30-10:30	9:00-10:00	Silent	9:00-10:00	Silent	9:00-10:00
KWWG	Brownsville.	278	1080	Silent	Silent	8:30- 1:00	Silent	Silent	8:30- 1:00	Silent
KYW	Chicago....	535.4	560	5:30-11:00	3:00-10:00	Silent	6:00-11:00	5:30-11:00	5:30-11:00	7:00-11:00
NAA	Radio......	434.5	560	Silent	Silent	6:45- 7:00	7:30- 8:30	Silent	Silent	Silent
PWX	Havana.....	400	750	7:30-10:00	7:00- 9:15	7:30-10:00	7:30-10:30	7:00- 9:15	Silent	Silent
WAAM	Newark, N.J.	263	1140	4:00- 9:00	Silent	4:00- 9:00	4:00- 9:00	4:00- 9:00	4:00- 5:00	4:00- 9:00
WADC	Akron......	258	1160	5:30- 6:30	5:30- 6:30	5:30- 1:00	5:30-10:00	5:30- 6:30	5:30- 9:00	5:30-10:00
WAHG	Richmond..	315.6	950	10:00-12:00	Silent	5:30-12:00	Silent	5:30-10:00	Silent	6:00- 9:00
WAIU	Columbus..	293.9	1020	8:15-10:00	2:30- 6:00	5:00-10:30	5:00- 9:15	5:00- 6:00	5:00- 6:00	5:00- 9:00
WAMD	Minneapols.	244	1230	6:15-10:30	6:15-10:30	7:00-12:00	Silent	7:00-12:00	6:15-12:00	6:15-12:00
WBAL	Baltimore..	246	1220	Silent	6:30- 7:30	5:30- 9:00	5:30- 9:00	Silent	5:30- 9:00	5:30- 9:00
WBAP	Fort Worth.	475.9	630	7:30-11:00	7:30-11:00	7:30-11:00	7:30-11:00	Silent	7:30-12:00	7:30-12:00
WBAR	Sisiht......	406	756	Silent	10:00-11:00	9:00-10:00	Silent	8:00- 9:00	7:30- 8:30	Silent
WBBM	Chicago....	226	1330	7:00- 1:00	3:00- 1:00	Silent	7:00-11:00	7:00- 1:00	7:00-11:00	7:00- 9:00
WBBR	Staten Isld.	272.6	1100	6:00- 8:00	7:00- 8:15	6:00- 7:00	Silent	Silent	6:00- 7:00	Silent
WBCN	Chicago....	266	1130	8:00-12:00	4:00-11:00	Silent	8:00-12:00	7:00-11:00	8:00- 1:00	8:00-12:00
WBZ	Springfield..	333.1	900	5:00- 8:00	6:00- 8:30	5:00- 9:00	5:00- 9:00	5:00- 9:00	5:00- 9:00	5:00- 9:00
WCAE	Pittsburgh..	461.3	650	4:30- 7:15	4:30- 6:20	4:30-10:05	4:30- 9:00	4:30- 9:00	4:30- 9:00	4:30- 9:00
WCAU	Philadelph..	278	1080	Silent	3:00- 9:00	5:30- 9:00	4:30- 9:30	5:30-10:00	4:30-10:30	4:45- 9:30
WCBD	Zion........	344.6	870	Silent	8:00-10:30	Silent	8:00-10:30	Silent	8:00-10:30	Silent
WCCO	Minn.-St.P.	416.4	720	6:15-11:05	4:10-10:35	6:15- 7:15	6:00-10:30	6:00-12:30	7:00-10:00	6:15-11:05
WCOA	Pensacola...	222	1350	Silent	Silent	7:00- 8:30	Silent	7:00- 8:30	Silent	7:00- 8:30
WCX	Detroit.....	516.9	580	5:00- 8:00	7:00- 9:00	5:00- 9:00	5:00-10:00	5:00- 9:00	5:00- 9:00	5:00-10:00
WDAF	Kansas City	365.6	820	6:00- 1:00	4:00- 4:45	6:00- 1:00	6:00- 1:00	6:00- 1:00	6:00- 1:00	6:00- 1:00
WDBO	Winter Park	239.9	1250	6:25-10:00	6:30- 7:30	6:25-10:00	6:15-10:00	6:25-10:00	6:25-10:00	6:15-10:00
WDWF	Providence..	440.9	680	Silent	Silent	Silent	5:45- 6:00	5:25- 6:40	5:45- 6:00	5:45- 6:00
WEAF	New York...	491.5	610	4:00-10:00	1:00- 8:15	4:00-10:00	4:00-10:00	4:00-10:00	4:00-10:00	4:00-10:00
WEAN	Providence..	270.1	1110	4:30- 8:30	5:30- 6:45	4:30- 8:30	4:30- 8:30	4:30- 8:30	4:30- 8:30	Silent
WEAO	Columbus..	293.9	1020	Silent	Silent	Silent	6:00- 8:00	7:00- 8:00	7:00-10:00	Silent
WEBH	Chicago....	370.2	810	6:00- 1:00	4:00- 8:00	Silent	6:00-11:30	6:00-11:30	6:00-11:30	6:00-11:30
WEBJ	New York...	272.6	1100	Silent	Silent:	Silent	6:00- 8:00	6:00- 8:00	Silent	6:00- 7:00
WEEI	Boston	348.6	860	Silent	4:00- 9:15	5:30- 9:30	5:30- 9:30	5:00- 9:00	5:30- 9:00	5:30- 9:30
WENR	Chicago....	265.3	1120	5:00- 1:00	1:00-11:00	Silent	5:00- 9:00	6:00- 1:00	5:00- 9:00	5:00- 1:00
WFAA	Dallas......	475.9	630	6:30-12:00	7:15-12:00	6:30- 9:30	6:30-12:00	Silent	6:30- 9:30	6:30- 9:30
WFBH	New York...	272.6	1100	9:30-12:00	3:00- 6:00	9:30-12:00	9:30-12:00	9:30-12:00	9:30-12:00	9:30- 1:20
WFI	Philadelphia	394.5	760	Silent	5:30- 6:30	4:30- 5:30	4:45- 9:30	4:45- 5:45	4:45- 9:00	4:45- 5:45
WGBF	Evansville...	236.1	1270	Silent	Silent	Silent	7:15-10:00	Silent	Silent	7:00- 8:00
WGBS	New York...	315.6	950	4:00- 9:30	6:00- 7:00	5:00- 5:15	4:00- 9:30	4:00- 6:30	4:00- 6:45	Silent
WGCP	New York...	252	1190	6:30-10:00	1:00- 4:00	7:00- 9:30	Silent	5:00- 7:15	8:30-11:00	5:00- 7:10
WGES	Chicago....	250	1200	4:00-12:00	4:00-12:00	Silent	4:00-12:00	4:00-12:00	4:00-12:00	4:00-12:00
WGHB	Clearwater	266	1130	Silent	Silent	8:30-10:00	Silent	8:30-10:00	Silent	8:30-10:00
WGHP	Detroit.....	270	1110	Silent	Silent	5:00-12:00	5:00-12:00	5:00-12:00	5:00-12:00	5:00-12:00
WGN	Chicago	302.8	990	5:35-10:00	2:00-10:00	Silent	5:35-10:00	5:35-11:30	5:35- 9:00	5:35-10:00
WGR	Buffalo.....	319	940	6:30- 8:00	5:45- 7:45	6:45-11:00	4:30- 9:30	4:30- 8:00	4:30- 9:00	5:00-11:00
WGY	Schenectady	379.5	790	5:30- 9:30	5:05- 9:00	Silent	5:30- 8:30	5:00- 7:15	4:30-10:30	4:30- 9:30
WHAD	Milwaukee	275.1	1090	Silent	3:15- 4:15	6:15-10:00	6:15- 7:00	6:15-12:30	6:15- 7:00	6:15-10:00
WHAR	Atlantic City	275.1	1090	5:30- 7:00	5:50- 8:00	5:30-10:00	5:30- 7:00	Silent	5:30-10:00	5:30- 7:00
WHAS	Louisville	399.8	750	7:30- 9:00	4:30- 5:30	Silent	7:30- 9:30	7:30- 9:00	7:30- 9:00	7:30- 9:00
WHAZ	Troy	379.5	790	Silent	Silent	8:00-11:00	Silent	Silent	Silent	Silent
WHB	Kansas City	365.6	820	Silent	8:00- 1:00	7:00- 8:00	7:00-10:00	7:00- 8:00	7:00-10:00	7:00- 8:00
WHN	New York...	361.2	830	Silent	1:00-10:30	4:30-10:30	4:00-11:00	4:00-11:00	4:00-11:00	4:00-11:00
WHO	Des Moines.	526	570	Silent	5:00- 8:30	7:30- 9:00	7:30- 9:00	7:00-11:00	7:30- 9:00	7:30- 9:00
WHT	Chicago	399.8	750	6:00-12:00	11:00- 9:30	Silent	6:00-12:00	6:00-12:00	6:00-12:00	6:00-12:00
WIBO	Chicago....	226	1330	5:00- 7:00	5:00-11:00	Silent	5:00- 1:00	5:00-11:00	5:00- 1:00	5:00- 1:00
WIP	Philadelphia	508.2	590	4:05-10:05	5:15- 9:30	4:05- 6:00	4:05-10:30	4:05- 6:00	4:05-10:15	4:05- 6:00
WJAR	Providence..	305.9	980	Silent	4:00- 8:15	5:45- 9:00	5:30- 8:00	5:30- 9:00	5:45- 9:00	5:45- 8:30
WJAS	Pittsburgh..	275.3	1090	6:00-11:00	Silent	6:00-11:00	6:00-11:00	6:00- 1:00	6:00-11:00	6:00-11:00
WJAX	Jacksonville	336.9	890	7:00- 9:00	6:30- 7:30	7:00- 9:00	7:00-11:00	7:00- 9:00	7:00-11:00	7:00- 9:00
WJAZ	Chicago....	329.5	910	8:00-12:00	6:00- 8:00	Silent	8:00-11:00	8:00-11:00	8:00-11:00	8:00-11:00
WJJD	Mooseheart.	370.2	810	4:30-12:00	2:00- 3:00	Silent	4:30-12:00	4:30-12:00	4:30-12:00	4:30-12:00
WJR	Pontiac.....	516.9	580	6:00-11:30	Silent	6:00-11:30	6:00- 9:00	6:00-11:00	6:00-10:00	6:00- 9:30
WJZ	New York...	454.3	660	5:00- 8:25	5:00- 9:00	5:00- 9:45	5:00- 9:40	5:00- 9:30	5:00- 9:30	5:00-10:00
WKAQ	San Juan...	340.7	880	Silent	Silent	6:30- 8:00	Silent	6:00- 8:00	Silent	6:00- 8:00
WKRC	Cincinnati..	422.3	710	9:00-10:15	4:45-10:15	4:00-11:00	8:00-10:45	4:00-11:00	8:00-10:15	Silent
WLIB	Chicago....	302.8	990	6:30-12:00	4:00- 5:15	Silent	6:00-12:00	6:00-12:00	6:00-12:00	6:00-12:00
WLIT	Philadelphia	394.5	760	Silent	Silent	6:00- 9:45	5:30- 6:30	6:30- 9:00	5:30- 6:30	6:00-10:00
WLS	Chicago....	344.6	870	6:30-11:00	5:00- 6:55	Silent	5:30- 8:10	5:40-12:00	5:40- 6:55	5:40-10:00
WLW	Cincinnati..	422.3	710	6:00- 9:00	2:00- 8:30	6:00-10:00	6:00-10:00	6:00-11:00	6:00-12:15	Silent
WLWL	New York...	288.3	1040	Silent	5:00- 6:00	6:00- 8:00	Silent	Silent	6:00- 8:00	Silent
WMAK	Lockport...	265.5	1130	4:15- 9:00	5:30- 6:30	5:30- 9:00	4:15- 5:15	5:30- 8:00	5:15- 6:00	Silent
WMAQ	Chicago....	447.5	670	5:00- 9:00	Silent	Silent	5:00- 8:55	5:00- 8:55	5:00- 9:30	5:00- 8:55
WMBB	Chicago....	250	1200	6:00-10:00	2:00-10:00	Silent	6:00-10:00	6:00-10:00	6:00-10:00	6:00-10:00
WMBF	Miami Bea'h	384.4	780	6:00-12:00	6:00-12:00	6:00-12:00	6:00-12:00	6:00-12:00	6:00-12:00	6:00-12:00
WMC	Memphis...	499.7	600	8:30- 9:30	Silent	8:30- 9:30	8:30-12:00	Silent	8:30- 9:30	8:30-12:00
WMCA	New York...	340.7	880	7:00-11:00	5:00- 8:00	7:00-10:00	6:00-10:00	7:00-10:00	7:00-10:00	6:00- 9:45
WNAC	Boston.....	431	697	4:00- 9:00	1:15- 6:45	4:30- 8:45	4:00- 7:00	4:00- 8:00	4:00- 7:00	4:00- 9:00
WNYC	New York...	526	570	5:00- 8:30	7:00- 9:00	5:35- 8:30	5:10- 9:30	5:30- 8:30	5:30- 8:30	5:30- 8:30
WOAI	San Antonio	394.5	760	Silent	7:45- 8:45	8:30- 9:30	8:30-10:30	8:30- 9:30	8:30- 9:30	8:30- 9:30
WOAN	Lawrenceb'g	282.8	1060	Silent	9:00-10:00	9:00- 1:30	9:00-10:00	9:00-10:00	9:00-10:00	9:00-10:00
WOAW	Omaha.....	526	570	6:00-12:00	6:00- 9:00	6:00-11:00	6:00- 1:00	Silent	6:00- 1:00	6:00-11:15
WOAX	Trenton....	240	1250	Silent	7:30- 9:30	Silent	Silent	Silent	Silent	Silent
WOC	Davenport..	483.6	620	9:00-10:00	8:00-10:30	Silent	6:30- 9:00	6:00-10:30	6:00- 9:30	8:00- 9:30
WOI	Ames......	270.1	1110	Silent	Silent	Silent	Silent	Silent	7:05- 8:30	Silent
WOK	Homewood.	217.3	1380	9:00-12:00	6:00-12:00	Silent	9:00-12:30	9:00-12:30	9:00-12:30	9:00-12:30
WOO	Philadelphia	508.2	590	Silent	4:05- 6:30	5:30-10:00	5:30- 6:30	5:30- 9:30	5:30- 6:30	5:30- 9:30
WOOD	Grand Rpds.	242	1240	8:00-10:35	Silent	8:00-11:00	8:00-10:05	8:00-10:05	Silent	8:00-10:05
WOQ	Kansas City	278	1080	8:00-11:00	7:00- 7:45	Silent	8:00- 9:00	Silent	7:00- 9:00	Silent
WOR	Newark.....	405.2	740	4:15-10:00	Silent	4:15-10:00	4:15- 6:00	4:15- 9:30	4:15- 6:20	4:15- 6:00
WORD	Batavia.....	275	1090	6:00- 9:25	1:30- 9:00	Silent	6:00-11:45	6:00-11:00	7:00- 9:00	6:00-11:45
WOS	Jeffer'n City	440.9	680	Silent	5:00- 8:30	8:00-10:00	Silent	8:00-10:00	Silent	8:00-10:00
WPG	Atlantic City	299.8	1000	4:45-10:00	1:15- 9:00	4:45-10:00	4:45-10:00	Silent	4:45-10:00	4:45-10:00
WQJ	Chicago....	447.5	670	6:00- 2:00	2:00- 9:00	Silent	6:00- 1:00	6:00- 1:00	6:00- 1:00	6:00- 1:00
WRC	Washington	468.5	640	6:00-11:00	Silent	4:00- 5:20	6:00-10:30	4:00- 5:20	6:00-10:30	Silent
WREO	Lansing....	285.5	1050	9:00-11:00	Silent	Silent	7:15- 9:00	5:00- 6:00	5:00- 8:15	5:00- 6:00
WRR	Dallas......	245.8	1220	6:00- 9:00	7:30-10:30	6:00- 9:00	6:00- 7:00	Silent	6:10-10:30	6:10-12:00
WRVA	Richmond..	256	1170	Silent	Silent	7:00-10:00	10:00-12:00	7:00-10:00	7:00-10:00	6:00-10:00
WRW	Tarrytown..	273	1100	6:00- 9:30	6:00- 9:30	7:00- 9:30	7:00- 9:30	7:00- 9:30	7:00- 9:30	7:00- 9:30
WSAI	Cincinnati..	325.9	920	7:00-11:00	6:45- 8:45	Silent	6:00- 9:00	6:00-10:00	6:15- 9:00	Silent
WSB	Atlanta.....	428.3	700	8:00-12:00	7:30- 9:15	8:00-12:00	8:00-12:00	10:45-12:00	8:00-12:00	8:00-12:00
WSBC	Chicago....	238	1260	5:30- 3:00	5:30-12:00	5:30- 6:00	5:30-12:00	5:30-12:00	5:30-12:00	5:30-12:00
WSM	Nashville...	282.8	1060	7:00-11:00	7:30- 9:00	7:00- 9:00	7:45- 9:00	7:00-11:00	Silent	7:00-11:00
WSMB	New Orleans	319	940	8:30-10:30	Silent	8:30-10:30	Silent	8:30-10:30	8:30-10:30	Silent
WSUI	Iowa City..	483.6	620	Silent	9:00-10:00	8:00- 9:00	Silent	Silent	Silent	Silent
WSWS	Chicago....	275.1	1090	5:00-10:00	5:00-10:00	Silent	5:00-10:00	5:00-10:00	5:00-11:00	5:00-11:00
WTAG	Worcester...	545.1	550	Silent	2:00- 8:15	5:00- 9:00	5:45- 9:00	5:40- 9:00	6:00- 9:00	6:15- 8:30
WTAM	Cleveland...	389.4	770	5:00-11:00	6:00- 8:30	5:00-11:00	5:00-11:00	5:15-10:00	5:00-11:00	5:30-11:00
WTIC	Hartford...	475.9	630	Silent	Silent	4:30- 9:30	Silent	5:30- 9:00	6:00- 9:00	5:30-11:00
WWJ	Detroit.....	352.7	850	Silent	1:00- 8:15	5:00- 9:00	5:00- 7:00	5:00- 9:00	5:00-11:30	5:00- 9:00

STATIONS IN ORDER OF WAVE LENGTHS

Meters	Call	Meters	Call	Meters	Call	Meters	Call	Meters	Call	Meters	Call
217.3	WOK	265.6	WMAK	296.9	KPRC	348.6	WEEI	405.2	WOR	475.9	WBAP
222	WCOA	268	KFH	299.8	KSL	350	CZE	406	WBAR	475.9	WTIC
226	KFWI	270.1	WEAN	299.8	WPG	352.7	WWJ	410.7	CKAC	475.9	WFAA
226	WBBM	270.1	WGHP	302.8	WGN	356.9	CFCA	416.4	WCCO	480	CYL
226	WIBO	270.1	WOI	302.8	WLIB	356.9	CKCL	421	KIAF	483.6	WOC
229	KMMJ	272.6	WBBR	302.8	KTAB	356.9	CKNC	422.3	WLW	483.6	WSUI
232.4	KFON	272.6	WEBJ	305.9	KOIL	361.2	KGO	422.3	WKRC	485.1	WJAR
236.1	WGBF	272.6	WFBH	305.9	KTCL	361.2	WHN	428.3	WSB	491.5	KGW
238	WSBC	273	WRW	309.1	KDKA	365.6	WDAF	428.3	KPO	491.5	WEAF
240	KFVE	275.1	WHAD	312.3	KSBA	365.6	WHB	431	WNAC	499.7	WMC
240	WOAX	275.1	WHAR	315.6	KFDM	370.2	WEBH	434.5	CNRO	502.8	KFQB
242	WOOD	275.1	WORD	315.6	KPSN	370.2	WJJD	434.5	CFCN	508.2	KLX
244	WAMD	275.1	WSWS	315.6	WAHG	374.8	KTHS	434.5	NAA	508.2	WIP
246	WBAL	275.3	WJAS	315.6	WGBS	374.8	KVOO	435	AT9	508.2	WOO
250	KFXF	278	KWCR	319	WGR	379.5	WGY	440.9	KLDS	516.9	CJCA
250	WGES	278	KWWG	319	WSMB	379.5	WHAZ	440.9	WDWF	516.9	WCX
250	WMBB	278	WCAU	322.4	KOA	384.4	CKY	440.9	WOS	516.9	WJR
252	KFWB	278	WOQ	325.9	WSAI	384.4	KJR	447.5	WMAQ	526	WHO
252	WGCP	280.2	KMOX	329.5	WJAZ	384.4	WMBF	447.5	WQJ	526	WNYC
256	WRVA	282.8	WOAN	333.1	WBZ	389.4	WTAM	454.3	KFOA	526	WOAW
258	WADC	282.8	WSM	336.9	KNX	394.5	WFI	454.3	WJZ	535.4	KYW
260.7	KFWA	285.5	WREO	336.9	WJAX	394.5	WLIT	455	KTW	545.1	KFUO
260.7	KFJF	288.3	KFKX	340.7	KFAB	394.5	WOAI	461.3	KFNF	545.1	WTAG
263	WAAM	288.3	WLWL	340.7	WKAQ	399.8	WHAS	461.3	KMA		
265.6	WBCN	293.9	KTBI	340.7	WMCA	399.8	WHT	461.3	WCAE		
265.6	WENR	293.9	WAIU	344.6	WCBD	400	PWX	467	KFI		
265.6	WGHB	293.9	WEAO	344.6	WLS	405.2	KHJ	468.5	WRC		

SHORT WAVES

By Marcella

(Continued from page 2)

Gosden, but then the shorter member of the duo makes up for this deficiency by added avoirdupois and a talent for playing the violin. Charlie Correll started off in life at Peoria, Ill., and Freeman Gosden cried out for the first time in Hatteras, N. C. They eat, sleep and live music, are both about 30 years of age, very sentimental and single. But which will you pick?

* *

My, that was a large order for one just back from her vacation. Now, I'll have to be brief to cover the many inquiries which have piled up in my absence. A moment ago I spoke of Jerry Sullivan and his fall plans. Hary Geise, our inimitable Harry, has been put at the helm of the Rainbo-Calumet station, WQJ, and a very good broadcaster he is making of it. One of his favorite teams at the present time is that of Paul Small and Joe Verges, a more or less recent harmony combination. Both are composers of song hits of renown, and Paul, it will be remembered, was the partner several years ago of Jack Little. The Small-Verges act can be heard Tuesday, Thursday and Saturday evenings on the late WQJ program.

* *

Frank, from New England, wants to know if Nell Cantor, who sings over WEEI, lives up to his expectations. My friend Lewis Whitcomb of WEEI maintains that should any gentleman see Nell, he surely would never be satisfied until he had her telephone number and home address. She is a Boston girl, born about 22 years ago in the Dorchester section not far from her present address on Hollander street. Now, Frank see if you can find her. Naturally musically inclined and possessing a rich contralto voice, she studied the piano. About five years ago while playing at clubs, parties and entertainments, Nell met an accomplished girl by the name of May Allen. Soon thereafter "Allen and Cantor" were billed on the eastern vaudeville circuits as a singing act. For about the same time Miss Cantor has been the main support of her parents, and nowadays she finds herself a busy girl with broadcasting at WEEI and all. She is a favorite accompanist for such celebrities as Irving Berlin and Pat Rooney when they appear at the Boston Edison station. To describe her, I shall say that she is an attractive little brunette, about 5 feet 4 inches tall, with a dark complexion, dark brown eyes and very

(Continued on page 11)

Radically new Circuit greatly increases Power and enhances tone Quality

The Chelsea Truphonic Six utilizes an entirely new and different system of audio amplification — a system as far in advance of that heretofore employed as the orthophonic principle in talking machines is superior to former phonograph reproduction A power tube may be used in the last stage, thus obtaining tremendous amplification. Tone quality is stabilized while the whole tone range is increased to its full limits, enabling you to enjoy the maximum capabilities of the best loudspeaker.

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MISS RADIO FOR 1926 PROVES A "MISSUS"

RADIO WORLD'S FAIR PICKS BEST LADY LISTENERS

Mrs. O. B. Harrauff of Princeton, Ill., Wins—Flossie Erickson of Bloomington, Ill., Again Second

NEW YORK.—America's "Queen of Radio" for 1926-7, is Mrs. Lotta Harrauff of Princeton, Ill.

Announcement of the winner in the annual "Miss Radio" contest was made by G. Clayton Irwin, Jr., General Manager of the Radio World's Fair, at which she will be guest of honor, September 13-18. Not alone was her DX record considered, but likewise an essay.

"Miss Radio," or rather "Mrs. Radio," is the wife of O. B. Harrauff, general agent of the Franklin Life Insurance company and postmaster at Princeton for ten years.

Mrs. Harrauff has tuned in stations in 125 American and 12 Canadian cities, and has also European, Cuban, Mexican, and Porto Rican stations to her credit. Mrs. Harrauff used a five tube receiver and explains her success by stating:

"We are careful to keep all batteries fully charged at all times, believing that the best results will come only from full batteries. We find that some of the so-called static is low batteries or corrosion."

She has best results on low wave stations by using a buried antenna seventy-five feet long.

Flossie Erickson Second Again

Mrs. Flossie E. Erickson of Bloomington, Ill., is awarded second prize again, thus defending her honors of last year. She will receive a special silver loving cup. Caroline Lee, of Clearwater, Fla., wins third prize, which also carries with it a silver cup.

Honorable mention for extraordinary records of reception and good essays submitted is given Mrs. J. Nelson Barger of Albany, N. Y., Edith Amelia Smith of Baltimore, Md., Mrs. Joe Foster of Hammond, Ind., Helen Cheeseman of Clarkston, Mich., Viola Statler of Brooklyn, N. Y., and Mrs. Abba Lindsay McCumber of Cleveland, O.

YOUNG WOMAN RISES TO BIG KOA POSITION

Margaret L. Bonar

DENVER.—Margaret L. Bonar, widely known in newspaper and advertising circles and formerly advertising manager of one of Denver's largest retail department stores, has been appointed to head the News Bureau at KOA, General Electric station here.

Before joining the ranks of Radio, Miss Bonar, who won her degree at the University of Chicago, was said to be the youngest advertising manager in the West. She chose a publicity career before reaching her teens while managing the advertising for a chain of music stores in the East, operated by her father. Book reviews, newspaper and magazine stories and special advertising campaigns, during the summer months, were her principal sources of revenue while in college.

Foremost of her hobbies are ice-hockey, deep-sea fishing and cultivating roses.

Miss Bonar succeeds Frank J. McEniry, who has resigned to re-enter the newspaper field.

SHORT WAVES

By Marcella

(Continued from page 10)

black hair cut with a beautiful boyish bob.

* *

Completing my answer to E. V. A., I do not know where Clem Dacy is, nor where Clyde Hager has gone since his departure from KFQZ, Hollywood. As for the Cotton Pickin' Twins, formerly of WSMB, I can't say whether you will hear them soon again or not from the Saenger-Maisson Blanche station. Both are poor lads who took up broadcasting for a pastime. Dominick Barocco, the banjoist, is about 25 years old, married, and a telegraph operator. Billy Christen, the accordion player, is about 55 years old, married, and a truck driver.

* *

No, J. M. R., Harry Snodgrass is not behind the bars, but still behind the footlights. He was in Chicago several months ago doing the local theaters. Queer how rumors start.

* *

Jean, Louella et al., here's all the very most recent about Lew Farris, the "Eiffel Tower of Radio," who is only 6 feet 8 inches tall, is just finishing a month's visit to "I-o-way" where he and his wife have been staying at her parents' farm. Having been a native son of California, Lew's great height was against him, so when he married the second time he chose a nice Iowa girl with a farm where he could go out and stand up in the corn fields and not feel lonely. He is slender, but there is lots of him; he is long featured, has brown eyes hidden behind huge tortoise shell rimmed spectacles, and possesses some dark brown hair. He is only 35 years old, so this ballad singer will no doubt be huge by the time he grows up. Hobbies and habits: loves sit around and gossip, likes to smoke, admits he is quite a "home man." He is making records under contract for Pathe, and when on the air he travels under the auspices of the Ted Browne Music company, 218 S. Wabash Ave., Chicago.

* *

Sue and Margie, both of Milwaukee, your favorite, Edwin Kemp has been acting as studio director of WSWS, Chicago, during the summer months. I think he will return to WHT in the fall. Henry Kays of WHT? I think you are wrong about the name, Sue. WHT has never heard of him.

* *

That howling noise you hear on the late WGY programs is not in the transmitter. It's simply Kolin D. Hager, studio manager and chief announcer, training his two recently presented twin baby girls for a sister act. Mrs. Hager is doing well.

* *

F. L. J.: Chubby Parker, who is often heard playing the banjo and singing negro songs on Saturday evenings from WLS, is middle aged, short, and has gray hair. He is accompanied at the piano by his daughter, who is about 17 years old, rather plump, and has blonde hair and blue eyes. Kern Aylward, of WSAI, is a very good looking Irish boy with a charming personality and a wife. Works in front of a mike just as if it were an audience. Represents Irving Berlin in Cincinnati.

* *

Irene: I told so much about everyone at WHT in our July 1 issue, that I hate to repeat so soon. No, neither Jean nor Al are married. We agree with you that both are peaches.

* *

Jane: Look for the MacDowell sisters soon at WFAA. Both are married. Yes, I think they do compose some. No, "Roses of Picardy" is by Hayden-Wood and "To a Wild Rose" is by Macdowell, but note the difference in spelling.

* *

"Skinney": Herb Feierman, of WOAW note, is 30 years old, good looking, an excellent pianist, and married of course. Arthur Randall, likewise of WOAW, is about 32 or 33, and handsome. As to his being married or single, I'll report later. Val McLaughlin was last heard from WLS, Chicago. I'll tell you some day where Gene Rouse is. So you would like to know who I am, too? Really—well, I must disappoint you. Sorry.

* *

Repeat numbers next time will include Norman Brokenshire of WJZ, Mac Ohman of many places, Ford and Glenn, also Nubs Allen of WLS, George Hay of WSM, and John Schilling of WHB. I couldn't cover the ground this time.

* *

What deep secret would you like to know about your favorite broadcast star? Drop me a note, girls and boys, and I'll do my best to answer here. MARCELLA.

WOMANS' PROGRAM INDEX

Monday

Atlantic	Eastern	Central	Mountain	Pacific	
10:30 a.m.	9:30	8:30	7:30	6:30	WWJ (352.7m-850kc), Tonight's dinner.
10:45	9:45	8:45	7:45	6:45	WTAG (545.1m-550kc), Marjorie Woodman, nurse.
11:50	10:50	9:50	8:50	7:50	WMC (499.7m-600kc), Home economics discussion, Miss Kitty.
12 n.	11	10	9	8	WHT (399.8m-750kc), Women's club, Jean Sargent.
12:30 p.m.	11:30	10:30	9:30	8:30	WEBH (370.2m-810kc), Fashion and household talks. WGBF (236.1m-1270kc), Cooking instructions. WGN (302.8m-990kc), Home Management period.
12:35	11:35	10:35	9:35	8:35	KYW (535.4m-560kc), Table talk.
2	1	12 n.	11	10	KGW (491.5m-610kc), Household helps. WSOE (245.8m-1220kc), Ladies' hour.
2:20	1:20	12:20	11:20	10:20	WGBF (236.1m-1270kc), Garden talk. WGY (379.5m-790kc), Cooking lesson.
3	2	1	12 n.	11	WJZ (454.3m-660kc), "Your Daily Menu."
3:15	2:15	1:15	12:15	11:15	KOIL (305.9m-980kc), Shopper's aid.
3:30	2:30	1:30	12:30	11:30	KFNF (461.3m-650kc), Mothers' hour.
4	3	2	1	12 n.	WCCO (416.4m-720kc), Women's hour. WSOE (246m-1220kc), Cooking chats. WIBB (365.6m-820kc), Ladies' hour. WIP (508.2m-500kc), Market hints for housewives.
4:45	3:45	2:45	1:45	12:45	KFNF (461.3m-650kc), Ladies' hour.
5	4	3	2	1	WOC (483.6m-620kc), Home management schedule, Aunt Jane.
6	5	4	3	2	KMOX 280.2m-1070kc), Housewives' hour.
6:15	5:15	4:15	3:15	2:15	KYW (535.4m-560kc), Meat talk, John Cutting.

Tuesday

Atlantic	Eastern	Central	Mountain	Pacific	
10 a. m.	9	8	7	6	WIP 508.2m-590kc), Menu, Anna Scott.
10:30	9:30	8:30	7:30	6:30	WWJ 352.7m-850kc), Tonight's dinner.
10:45	9:45	8:45	7:45	6:45	WTAG (545.1m-550kc), Talk to mothers.
11	10	9	8	7	KDKA (309.m-970kc), Domestic Science, Arts for the Housewife.
12 n.	11	10	9	8	WHT (399.8m-750kc), Women's club, Jean Sargent. WMCA (340.7m-880kc), Home Makers' club. WQJ, (447.5m-670kc), Home economics.
12:30 p.m.	11:30	10:30	9:30	8:30	WEBH (370.2m-810kc), Fashion and household talks. WGN (302.8m-990kc), Home Management period.
12:45	11:45	10:45	9:45	8:45	WOI (270.1m-1110kc), Homemakers' period.
1:15	12:15	11:15	10:15	9:15	KMOX (280.2m-1070kc), Fashion talk.
2	1	12 n.	11	10	KGW (491.5m-610kc), Household Helps, shopping guide. WGBF (236.1m-1270kc), Garden talk.
2:45 p.m.	1:45	12:45	11:45	10:45	WQJ (447.5m-670kc), Home economics. Sept. 7, "Old Potatoes in New Dishes."
3	2	1	12 n.	11	WGBF (236.1m-1270kc), Garden talk. WJZ (454.3m-660kc), "Your Daily Menu," Mrs. J. Heath.
3:15	2:15	1:15	12:15	11:15	KOIL (305.9m-980kc), Shopper's aid.
3:30	2:30	1:30	12:30	11:30	KFNF (461.3m-650kc), Half Hour on Cooking.
4	3	2	1	12 n.	WIP (508.2m-590kc), Menu talk.
4:15	3:15	2:15	1:15	12:15	WHO (526m-570kc), Recipes, household hints.
4:30	3:30	2:30	1:30	12:30	WLS (344.6m-870kc), Homemakers.
4:45	3:45	2:45	1:45	12:45	KFNF (461.3m-650kc), Ladies' hour.
5	4	3	2	1	WOC (483.6m-620kc), Home management schedule.
6	5	4	3	2	KMOX (280.2m-1070kc), Housewives' hour.
6:30	5:30	4:30	3:30	2:30	KOA (322.4m-930kc), Housewives' matinee.
7	6	5	4	3	KOA (322.4m-930kc), Culinary hints, Clara Hoover. Fashion hints.
7:45	6:45	5:45	4:45	3:45	WPG (299.8m-1000kc), Fashion Flashes.

Wednesday

Atlantic	Eastern	Central	Mountain	Pacific	
10:30 a.m.	9:30	8:30	7:30	6:30	WWJ (352.7m-850kc), Tonight's dinner.
10:45	9:45	8:45	7:45	6:45	WTAG (545.1m-550kc), Talk to Housewives, Mrs. Lydia Flanders.
12 n.	11	10	9	8	WEAO (293.9m-1020kc), Housekeepers' half hour. WHT (399.8m-750kc), Women's club, Jean Sargent. WQJ (447.5m-670kc), Home Economics program. Sept. 1, "The Problem of the Middle-Aged Woman."
12:30 p.m.	11:30	10:30	9:30	8:30	WEBH (370.2m-810kc), Fashion and Household talks. WGBF (236.1m-1270kc), Cooking instructions. WGN (302.8m-990kc), Household management period.
12:35	11:35	10:35	9:35	8:35	KYW (535.4m-560kc), Table talk.
1:15	12:15	11:15	10:15	9:15	KMOX (280.2m-1070kc), Cookery, Gladys Kimbrough.
2	1	12 n.	11	10	KGW (491.5m-610kc), Household Helps, shopping guide.
2:20	1:20	12:20	11:20	10:20	WGBF (236.1m-1270kc), Garden talk.
2:45	1:45	12:45	11:45	10:45	WQJ (447.5m-670kc), Home economics. Sept. 1, "Sponge Cake and Its Variations." Sept. 8, "September Canning."
3	2	1	12 n.	11	WJZ (454.3m-660kc), "Your Daily Menu."
3:15	2:15	1:15	12:15	11:15	KOIL (305.9m-980kc), Shopper's aid.
3:30	2:30	1:30	12:30	11:30	KFNF (461.3m-650kc), Half hour on cooking.
4	3	2	1	12 n.	WCCO (416.4m-720kc), Woman's hour. Sept. 1, "Keeping the Baby Well." WHB (365.6m-820kc), Ladies' hour.
4:30	3:30	2:30	1:30	12:45	WLW (422.3m-710kc), Cooking school.
4:45	3:45	2:45	1:45	12:45	KFNF (461.3m-650kc), Ladies' hour.
5	4	3	2	1	WOC (483.6m-620kc), Home management schedule, Aune Jane.
5:30	4:30	3:30	2:30	1:30	KFNF (461.3m-650kc), Flower talk.
6	5	4	3	2	KMOX (280.2m-1070kc), Housewives' hour.
7	6	5	4	3	KGO (361.2m-830kc), "Hints for Housekeeper."
8	7	6	5	4	KLX (508.2m-590kc), Woman's hour. KMA (461.3m-650kc), Domestic science talk.
8:45	7:45	6:45	5:45	4:45	WBZ (333.1m-900kc), Household management.
8:50	7:50	6:50	5:50	4:50	WTIC (475.9m-630kc), Sept. 8, "The Science of Canning."

Thursday

Atlantic	Eastern	Central	Mountain	Pacific	
10 a.m.	9	8	7	6	WIP (508.2m-590kc), Menu talk.
10:30	9:30	8:30	7:30	6:30	WWJ (352.7m-850kc), Tonight's dinner.
10:45	9:45	8:45	7:45	6:45	WTAG (545.1m-550kc), Marjorie Woodman, nurse.
11	10	9	8	7	WEAF (491.5m-610kc), Talks, cookery lecture.
11:50	10:50	9:50	8:50	7:50	WMC (499.7m-600kc), Home economics discussion, Miss Kitty.
12 n.	11	10	9	8	WEAO (293.9m-1020kc), Housekeepers' half hour. WEAR (389.4m-770kc), Home service talk. WHT (399.4m-750kc), Women's club, Jean Sargent. WMCA (340.7m-880kc), Food bureau program. WQJ (447.5m-670kc), Sept. 2, "The Thrill of an Attractive School Lunch." Sept. 9, "Hot Noonday Meals for School Children."
12:30 p.m.	11:30	10:30	9:30	8:30	WEBH (370.2m-810kc), Household and fashion talks. WGN (302.8m-990kc), Home Management period.
12:35	11:35	10:35	9:35	8:35	KYW (535.4m-560kc), Table talks.
12:45	11:45	10:45	9:45	8:45	WOI (270.1m-1110kc), Homemakers' period.
1:15	12:15	11:15	10:15	9:15	KMOX (280.2m-1070kc), Recipes.
2	1	12 n.	11	10	KGW (491.5m-610kc), Household helps.
2:20	1:20	12:20	11:20	10:20	WGBF (236.1m-1270kc), Garden talk.
2:45	1:45	12:45	11:45	10:45	WQJ (447.5m-670kc), Sept. 1, "Week End Plans." Sept. 9, "Farewell Party."
3	2	1	12 n.	11	WJZ (454.3m-660kc), Your Daily Menu.
3:15	2:15	1:15	12:15	11:15	KOIL (305.9m-980kc), Shopper's aid. WJZ (454.3m-660kc), "Wall Paper, Room by Room," A. Fillebroun.
3:30	2:30	1:30	12:30	11:30	KFNF (461.3m-650kc), Half hour on cooking.
4	3	2	1	12 n.	KSO (241.8m-1240kc), Woman's hour, Mrs. Margaret B. Russell.
4:30	3:30	2:30	1:30	12:30	WLS (344.6m-870kc), Homemakers hour.
4:45	3:45	2:45	1:45	12:45	KFNF (461.3m-650kc), Ladies' hour.
5	4	3	2	1	WOC (483.6m-620kc), Home management schedule, Aunt Jane.
6	5	4	3	2	KMA, 461.3m-650kc), Woman's hour. KMOX (280.2m-1070kc), Housewives' hour.
6:30	5:30	4:30	3:30	2:30	KOA (322.4m-930kc), Housewives' matinee. WCCO (416.4m-720kc), Women's club program.
7	6	5	4	3	KOA (322.4m-930kc), Culinary hints, Clara Hoover.

Friday

Atlantic	Eastern	Central	Mountain	Pacific	
10:30 a.m.	9:30	8:30	7:30	6:30	WWJ (352.7m-850kc), Tonight's dinner.
11 p.m.	10	9	8	7	KDKA (309.1m-970kc), Domestic science and Arts for the Housewife.
12 n.	11	10	9	8	WEAO (293.9m-1020kc), Housekeepers' half hour. WHT (399.8m-750kc), Women's hour, Jean Sargent. WQJ (447.5m-670kc), Permanent waving.
12:15 p.m.	11:15	10:15	9:15	8:15	KYW (535.4m-560kc), Meat talk. WMCA (340.7m-880kc), Food bureau.
12:30	11:30	10:30	9:30	8:30	WEBH (370.2m-810kc), Household and fashion talks. WGBF (236.1m-1270kc), Cooking instructions. WGN (302.8m-990kc), Home Management period.
12:35	11:35	10:35	9:35	8:35	KYW (535.4m-560kc), Table talk.
1:15	12:15	11:15	10:15	9:15	KMOX (280.2m-1070kc), Household hints.
2	1	12 n.	11	10	KGW (491.5m-610kc), Household helps.
2:45	1:45	12:45	11:45	10:45	WOAW (526m-570kc), Sunshine Sunday dinner menu. WQJ (447.5m-670kc), Sept. 3, "New Idea Exchange." Travel talk. Sept. 10, "Left-Over Sour Milk and Creams."
3	2	1	12 n.	11	WJZ (454.3m-660kc), "Your Daily Menu," Mrs. J. Heath.
3:15	2:15	1:15	12:15	11:15	KOIL (305.9m-980kc), Shopper's aid.
3:30	2:30	1:30	12:30	11:30	KFNF (461.3m-650kc), Half hour on cooking.
4:15	3:15	2:15	1:15	12:15	WJZ (454.3m-660kc), "Solving Candy Problems."
4:45	3:45	2:45	1:45	12:45	KFNF (461.3m-650kc), Ladies' hour.
5	4	3	2	1	KYW (535.4m-560kc), Woman's hour. WOC (483.6m-620kc), Home Management, Aunt Jane.
5:15	4:15	3:15	2:15	1:15	WMAQ (447.5m-670kc).
6:30	5:30	4:30	3:30	2:30	KOA (322.4m-930kc), Housewives matinee.
7	6	5	4	3	KOA (322.4m-930kc), Culinary hints. Fashion review.

Saturday

Atlantic	Eastern	Central	Mountain	Pacific	
10:30 a. m.	9:30	8:30	7:30	6:30	WWJ (352.7m-850kc), Tonight's dinner.
12 n.	11	10	9	8	WHT (399.8m-750kc), Women's club, Jean Sargent. WQJ (447.5m-670kc), Home Economics program. Sept. 4, "Salads."
12:30 p.m.	11:30.	10:30	9:30	8:30	WEBH (370.2m-810kc), Household talks. WGN (302.8m-990kc), Home Management period.
12:35	11:35	10:35	9:35	8:35	KYW (535.4m-560kc), Table talk.

KOA BROADCASTS THRILLING HIL

HIGH LIGHTS OF THE AIR

SAN FRANCISCO'S municipal organist and official organist of Station KPO, Uda Waldrop, has returned from a successful tour of European Radio stations. He studied particularly broadcasters of London, Paris and Rome. A special program of Mr. Waldrop's own compositions was given by the artist and his wife, Marguerite Raas Waldrop, soprano, over 2LO.

The prize Radio drama, "The Night Herd," will go out over the ether again Saturday, September 4, from KMOX. The invisible curtain rises at 9 p. m. Central Standard time. Not only is the play very much worth hearing but the KMOX players have developed perfect harmony of movement and good Radio technique.

Around hairpin curves with steep drops automobiles will dash in the hill-climbing races up Pikes Peak, Labor day, September 6. Tune in at 10:30 a. m., Mountain time, for KOA, Denver. Complete reports will be relayed from the summit to Denver.

Four Monday evening recitals by Joseph F. Whittemore, Golden Voiced Tenor from the Southland will be featured by WRVA during the month of September. Mr. Whittemore has a remarkable voice and is a splendid musician. He is already a favorite with the Virginian Radio audiences.

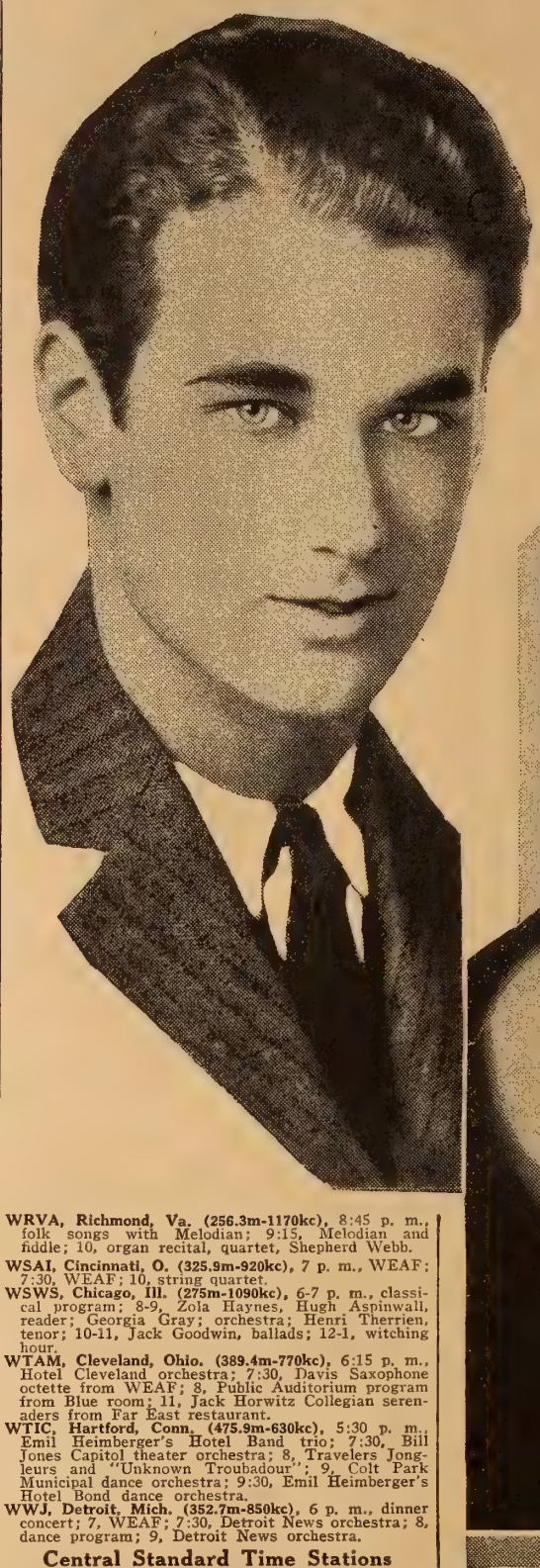
Wednesday evenings at WGN, the boy, Aladdin, rubs his magic lamp and through the medium of music the listener is transported to far-off lands. One moment he is dreaming with Schubert of his "Unfinished Symphony," or he treks across the sands to the tune of "The Caravan." The work of preparing these programs falls on the capable shoulders of Henry Selinger.

The buzz-z-z-z of the bee may well be taken for static in the air, but those who will listen for a minute will find it is only the beginning of one of WTIC's newest mystery features broadcasting Fridays at 7:15 p. m., Eastern Standard time. "Fiddle an' Bee" has made a big hit with the Travelers Radio fans, who eagerly await the weekly return of this gifted violinist.

Otto Rindlisbacher, Swiss accordionist of Rice Lake, Wis., and W. W. Wait, old time fiddler, of Dallas, Wis., will visit WCCO and give an old fashioned concert Saturday, September 11. Staff artists will help to give the atmosphere of an early American party.

Monday, the 13th, marks the fourth anniversary of Station WHAZ. The Domino Club orchestra and features will give the birthday features. A memorial tribute will go over the ether to the late Col. Washington A. Roebling, famous as the builder of the Brooklyn bridge, who was the donor of the Radio equipment of this station.

The regular weekly broadcast at KHJ of Queen Titanis and the Sandman on Tuesday, September 14, marks the beginning of the fourth year of this continuity. As a result of this broadcast work little Queen Titania is now being starred in a series of motion picture productions. The fairyland continuities are all written by Queen Titania's father, who also takes the part of the Sandman in the script. Uncle John Daggett is the aerial observer.



YOUNGEST theater orchestra le
left, who is only 21. This ente
of the University of Wisconsin.
orchestra on a tour of the Orient.
orchestra heard regularly over Station
favorites of the McAlpin hotel are N
Their voices harmonize so well toget
over the microphone of this hotel, W
originally a popular Radio star of Ne
and WJZ. At the present his bariton

Wednesday, September 1

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
10 p.m.	9	8	7	6

WEAF (491.5m-610kc), "La Fille du Tambour Majeur," light opera.

10:30	9:30	8:30	7:30	6:30

KFAB (340.7m-880kc), Old time tune night.
WHO (526m-570kc), KOIL twins.

11:25	10:25	9:25	8:25	7:25

KOA (322.4m-930kc), Staff artists.
WCCO (416.4m-720kc), Selim Grotto band.

12 m.	11	10	9	8

WLS (344.6m-870kc), Staff frolic.

12:45 p.m.	11:45	10:45	9:45	8:45

WSB (428.3m-700kc), Peerless entertainers.

Wednesday silent night for: CKAC, CKNC, CNRA, CNRC, CNRE, CNRM, CNRR, CNRT, CNRV, KFXF, KGO, KLDS, KMMJ, KOIL, KPSN, KTAB, KWWG, WABQ, WBAL, WBAP, WBBR, WCBD, WFAA, WGBF, WGBS, WGCP, WHAR, WIP, WJAZ, WMC, WOAW, WPG, WRC, WRR, WSUI.

Atlantic or Eastern Daylight Saving Time Stations

CFCA, Toronto, Can. (356.9m-840kc), 8:30 p. m., musical program.

WAHG, Richmond Hill, N. Y. (315.6m-950kc), 8 p. m., Albert Reiss, vibraphone; 8:30, William Helfenstein, baritone; 9, Veronica Wiggins, contralto; 9:30, Reischick Brothers; 10, Good Humor boys.

WCAU, Philadelphia, Pa., (277.6m-1080kc), 7:30 p. m., N. Snellenburg and Co.; 8, Melrose concert quartet; 8:30, Edward Tamarin, guitar; 9, Lipshutz and Mazer, entertainers; 9:30, Charles Borelli, songs; 9:40, Senator Hassenpfeffer; 9:45, Frank Cook, old-time songs; 10, Artie Bittong's Cheer-up club.

WEAF, New York, N. Y. (491.5m-610kc), 6 p. m., Hotel Waldorf-Astoria; 7, synagogue services; 7:30, U. S. Army band, WEEI, WTAG, WJAR, WGR, WCAE, WWJ, WSAI, WRC; 8:30, Davis' Saxophone octet, WOO, WJAR, WCAE, WSAI, WEEI, WTAM, WTAG, WRC; 9, Ipana Troubadours, WEEI, WRC, WOO, WWJ, WLIB, WCCO, WOC, WGR, KSD; 9:30, South Sea Islanders, WEEI, WGR, WOO, KSD, WTAG; 10, "La Fille du Tambour Majeur," light opera company, WJAR, WEEI, WCAE, WCSH, KSD; 11-12, Pelham Heath Inn orchestra.

WEBJ, New York, N. Y. (272.6m-1100kc), 8 p. m., Karl Weiss Peasant band; 8:45, Ben Ruty, Michael Savino; Kathryn Connelly, Irish soprano; Joseph Zablow, Russian bass; Original Melville Five.

WEEI, Boston, Mass. (348.6m-860kc), 7:30-9:30 p. m., WEAF; 10, musicale.

WFI, Philadelphia, Pa. (394.5m-760kc), 6.45 p. m., Adelphia Roof Garden orchestra.

WHN, New York, N. Y. (361.2m-830kc), 7:30-8 p. m., organ recital; 9, Loew's New York theater orchestra; 10-10:30, Roseland dance orchestra; 11:30-12, Silver Slipper orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra.

WJAR, Providence, R. I. (485.1m-618kc), 8 p. m., U. S. Army band concert; 8:30, Davis Saxophone octet; 9:05, musical program; 10, WEAF.

WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Hotel Madison concert orchestra; 8, Imperial Imps; 10:30, Hotel Astor Roof orchestra.

WLIT, Philadelphia, Pa. (394.5m-760kc), 7:30 p. m., Dream Daddy's bedtime stories; 8, recital; 8:30, concert, Progress Paint company; 9, recital; 10, Arcadia cafe dance orchestra.

WMAK, Buffalo, N. Y. (265.3m-1130kc), 7:30 p. m., Eastman theater musicale; 8:05, musicale; 9-10, musical program.

WMCA, New York, N. Y. (340.7m-880kc), 6:30 p. m., Ernie Golden and his Hotel McAlpin orchestra; 8, Monte Carlo by the Sea orchestra; 10:30, Colonial Inn orchestra; 11, Jack Denny's orchestra; 11:30, Club Brighton orchestra; 12, McAlpin entertainers.

WNYC, New York, N. Y. (526m-570kc), 6:10 p. m., Piano selections; 8:30, band concert, Central park.

WOO, Philadelphia, Pa., 508.2m-590kc), 7:30 p. m., Silvania dinner dance orchestra; 8:30, WEAF; 10, Fox theater studio program; 10:30, Sam Brown's dance orchestra.

WOR, Newark, N. J. (405.2m-740kc), 6:15 p. m., Jacques Jacobs' Hotel Shelton ensemble; 6:45, sports; 7, Jacques Jacobs' Hotel Shelton ensemble; 8, Newark Philharmonic band; 9, French line program; 9:45, Monterey society orchestra; 10.30, special feature; 10:45, Monterey concert quintet; 11:15, Ben Bernie's Berkeley-Carteret orchestra.

Eastern Standard or Central Daylight Saving Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 5:30 p. m., dinner concert, Flotilla club; 8, Colored male glee club; choral, Westinghouse band.

KYW, Chicago, Ill. (535.4m-560kc), 6:30 p. m., Joska DeBabary and his orchestra; Bittie-Benson orchestra; 7, American hour; 9-10:30, classical concert, Commonwealth Edison company; 10:30-12 midnight, Congress carnival.

PWX, Havana, Cuba (400m-750kc), 8-10 p. m., Military band music.

WBBM, Chicago, Ill. (225.4m-1330kc), 5:15-6 p. m., recital, Ellie Hanson, organist; 9-10, Harmony Time, staff artists; 12, The Nutty club.

WBZ, Springfield, Mass. (333.1m-900kc), 6 p. m., Hotel Lenox ensemble; 8, The Barnstormers; 8:30, Max Krulee and his Hotel Westminster orchestra; 9, musical program; 9:30, Hawaiian music, William Kahakalau.

WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., Goldkette ensemble; 8-10, Schmeman band.

WEBH, Chicago, Ill. (370.2m-810kc), 7-8 p. m., Edgewater Beach hotel concert orchestra; Florence Behrend, soloist; Galliochio string quartet; 9-9:45, Edgewater Beach dance orchestra; songs, Frank Greif; Metropolitan harp trio; songs, F. Behrend; 11-12, dance orchestra; songs, Joe Verges and Paul Small; saxophone quartet; songs, Frank Greif; 12-12:30 a. m., Edgewater Beach hotel orchestra.

WGHB, Clearwater, Fla. (266m-1130kc), 8:30-10 p. m., old time songs, Mr. and Mrs. Charlie A. Waller; Caroline Lee, Virginia Girl.

WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert, Hotel Tuller; 8:30-9, Campers' half hour; 9-10, WGHP ensemble.

WGN, Chicago, Ill. (302.8m-990kc), 6:45-7 p. m., Drake concert ensemble; Blackstone string quintet; 8:30-9, musicale; 9-10, musicale; 10-10:10, Sam 'n' Henry; 10:10-10:20, Music Box; 10:20-10:30, studio program; 10:30-12:30 a. m., Pepper party.

WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., Eastman theater orchestra.

WHT, Chicago, Ill. (399.8m-750kc), Al Carney, organist; Riverview Melody Masters; 8:45-10:15, c238m-1260kc), Helen Raub, organist; Stuart Dawson; 10:30-1, (399.8m-750kc), Al and Pat; Riverview orchestra.

WJAZ, Chicago, Ill. (329.5m-910kc), 9-12 midnight, Earl Hoffman's Chez Pierre orchestra; program for Captain Donald MacMillen; Alexander Nakuten.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Goldkette's Petite symphony orchestra, soloists; 7:45, Good Will Oakland and Chief Pontiac; 8, concert; 11, Murphy Brothers' organist; 12, Merry Old Chief and Jewett Jesters.

WLIB, Chicago, Ill. (302.8m-990kc), 7-7:05 p. m., Million sing; 7:05-7:15, Old-Fashioned Almanack; 7:15-7:30, dinner music; 7:30-7:50, Pattison Coates, baritone; Edward Barry, pianist; 7:50-8, Auld Sandy; 8-8:30, WEAF; 12:30-1 a. m., Ambrose Larsen, organist.

WLS, Chicago, Ill. (344.6m-870kc), 6:30 p. m., organ concert, Al Melgard; 6:45, Maurie Sherman's College Inn orchestra; 7:20, Rose Sherman, violinist; Marie Ludwig, harpist; 7:30, organ concert, Ralph Emerson; 8, Surprise time; 8:10, Sherman's College Inn orchestra; 8:30, Ford and Glenn; 8:45, Midwest quartet; 9, WLS trio, picture concert; 9:30, Ford and Glenn; 9:45, Maurie Sherman's College Inn orchestra; 10, popular music; 11, special program.

WLW, Cincinnati, O. (422.3m-710kc), 7 p. m., Robert Visconti's orchestra; 8, program for shut-ins; 10, Pink of programs; 11, Page's Royal Elk syncopators.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Jack Chapman's orchestra; 6:50, orchestra; 8, orchestra; 8:30, Nina Mesirow-Minchin, pianist; 9, music; 9:30, Jack Chapman's orchestra.

WMBB, Chicago, Ill. (250m-1200kc), 7-8 p. m., Trianon duo; Charlotte Johnson, soprano; Monte Blum, tenor; John Everett, baritone; Harold Thorpe, pianist.; 9-11, Trianon orchestra; Grace Frost, whistler; Myra Mills, pianist; Borden Brothers; John Stamford.

WOK, Chicago, Ill. (217.3m-1380kc), 6-8 p. m., Tip Top Inn string ensemble concert; 8-12, Capitol theater organ; Katz and his Kittens' orchestra; Midway Garden orchestra; Tearney's Town club orchestra; Capitol theater program.

WORD, Batavia, Ill. (275.1m-1090kc), 7 p. m., program; 7:45, reading; 9, I. B. S. A. choral singers.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., dinner concert; 10-2, Joe Rudolph and his Rainbo Gardens orchestra; Sophia Kasmir, prima donna; Lamb Sisters; Jerry Derr, tenor; Gail Bandell; Clarence Clausson.

WRC, Washington, D. C. (468.5m-640kc), 5 p. m., U. S. Marine band; 6:30, U. S. Army band; 7:30, WEAF; 8:10, WEAF.

WRVA, Richmond, Va. (256.3m-1170kc), 8:45 p. m., folk songs with Melodian; 9:15, Melodian and fiddle; 10, organ recital, quartet, Shepherd Webb.

WSAI, Cincinnati, O. (325.9m-920kc), 7 p. m., WEAF; 7:30, WEAF; 10, string quartet.

WSWS, Chicago, Ill. (275m-1090kc), 6-7 p. m., classical program; 8-9, Zola Haynes, Hugh Aspinwall, reader; Georgia Gray; orchestra; Henri Therrien, tenor; 10-11, Jack Goodwin, ballads; 12-1, witching hour.

WTAM, Cleveland, Ohio. (389.4m-770kc), 6:15 p. m., Hotel Cleveland orchestra; 7:30, Davis Saxophone octette from WEAF; 8, Public Auditorium program from Blue room; 11, Jack Horwitz Collegian serenaders from Far East restaurant.

WTIC, Hartford, Conn. (475.9m-630kc), 5:30 p. m., Emil Heimberger's Hotel Band trio; 7:30, Bill Jones Capitol theater orchestra; 8, Travelers Jongleurs and "Unknown Troubadour"; 9, Colt Park Municipal dance orchestra; 9:30, Emil Heimberger's Hotel Bond dance orchestra.

WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7, WEAF; 7:30, Detroit News orchestra; 8, dance program; 9, Detroit News orchestra.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 5:30-6:30 p. m., dinner concert; 8:30-10:30, old time tune night.

KFNF, Shenandoah, Ia. (461.3m-650kc), 7 p. m., concert, Henry Field Seed company.

KMA, Shenandoah, Ia. (461.3m-650kc), 9-11 p. m., deluxe mixed musical program.

KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., Jacquinot Jules; 7, Dr. J. L. Bischof, Alma Rotter; 8:30, KMOX Radio orchestra; 9, song cycle; 9:30-11:30, Varsity Troubadours; KMOX orchestra.

KPRC, Houston, Texas (296.9m-1010kc), 7:30 p. m., Skyline studio concert.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10-10:30 p. m., Lon Chassy, violinist; 9:30-10, varied program, Meyer Davis stringed quartet.

WAMD, Minneapolis, Minn. (244m-1230kc), 6 p. m., Radisson hotel orchestra; 7:15, classical hour; 10, Gould banjo club; 11, Skyrocket frolic; Golden Gate orchestra; Night Wachman and entertainers.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 7:30 p. m., Radio Scouts' hour; 8, services; 9, musical program, Selim Grotto band; Gertrude Lutzi, soprano.

WCOA, Pensacola, Fla. (222m-1350kc), 7-10 p. m., First Baptist church choir; R. McCoy, cornetist; vocal and piano solos, Mrs. A. Pinney; vocal solos, duets; symphony orchestra.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., School of the Air; 8-9, popular musical program, Charlie Straight's orchestra; 11:45-1 a. m., Nighthawk frolic.

WHAD, Milwaukee, Wis. (275m-1090kc), 6:10 p. m., Arthur Richter, organist; 11:30 organ.

WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., Virginia Vetter's entertainers.

WHO, Des Moines, Ia. (526m-570kc), 6-7 p. m., Bankers Life Little symphony orchestra; Myrtle Williams, soprano; 7-8, Paul Christianson's Hotel Fort Des Moines orchestra; 8-8:30, Four Horsemen; 8:30-9, KOIL twins; 9-9:30, Four Horsemen; 9:30-11, dance program.

WOAI, San Antonio, Tex. (394.5m-760kc), 8:30 p. m., Delaware Punch program.

WOC, Davenport, Ia. (483.6m-620kc), 4-4:45 p. m., Bernard Reagan, baritone; Jeanne de Vogelaere; Jack Wilman, tenor; 7-8:30, WEAF; 9:30-10:30, musical program, Erwin Swindell, organist.

WOS, Jefferson City, Mo. (440.9m-680kc), 8 p. m., Chic Scoggin, songster, WOS quartet.

WSB, Atlanta, Ga. (428.3m-700kc), 10:45 p. m., Peerless entertainers.

WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., dinner concert, trio; 8, Mrs. L. L. Gamble, soprano; 10, studio program.

WSUI, Iowa City, Ia. (483.6m-620kc), 8 p. m., musical program.

Mountain Standard Time Stations

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra; 8:15, football; 8:25, KOA staff members; dramatic sketch, "Behind the Microphones of KOA."

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-7:30 p. m., Westerland trio; 7:30, Nick Harris detective story; 8-9, program, California Petroleum corp.; 9-10, Patrick-Marsh dance orchestra, Betty Patrick, soloist.

KFWB, Hollywood, Calif. (252m-1190kc), 7-8 p. m., program, Corduroy Tire Stores, inc.; 8-9 program, Velvetone corporation; 9-10, varied program; 10-11, Warner Brothers frolic.

KGO, Oakland, Calif. (361.2m-830kc), 6-6:55 p. m., Stanislas Bem's Little symphony orchestra.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-9, Bernie Herman and his dance orchestra.

KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., Uncle John and the children; 8-10, Times de luxe program; 10-11, Jerry Grant and his orchestra.

KLX, Oakland, Calif. (508.2m-590kc), 6:30-7 p. m., Athens Athletic club orchestra; 8-9, educational program; 9-10, special program.

KNX, Hollywood, Calif. (336.9m-890kc), 7-8 p. m., program Security Trust and Savings bank; 8-9, program, Stewart-Warner radio dealers; 9-10, feature program; 10-11, studio program; 11-12, Ambassador hotel dance orchestra.

KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7 p. m., States Restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel concert orchestra; 8-9, Atwater Kent artists; 9-10, Clift hotel dance orchestra; 10-11, States Restaurant orchestra.

KTAB, Oakland, Calif. (302.8m-990kc), 8-10 p. m., program.

Thursday, September 2

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
10 p.m.	9	8	7	6

WLW (422.3m-710kc), Zither players.

10:30	9:30	8:30	7:30	6:30

WFAA (475.9m-630kc), Mexican band.

11	10	9	8	7

KPRC (296.9m-1010kc), Glee club.
WSWS (275.8m-1090kc), "On the Streets of New York."

-CLIMBING RACES ON PIKES PEAK

in the country is David Miller, g young man is also a graduate n he finished college he took his directs the new Tower theater AD, Milwaukee. Two roof garden Leyland and Alma Keller, below. ey are often chosen to entertain To the right is Pattison Coates, k city where he sang over WEAF ce is charming midwest listeners.

orchestra; 10, Steeplechase Pier dance orchestra; 10:30, George Olson's Music; 11, Fry's dance orchestra; 11:30, Silver Slipper Supper club revue; 12, organ recital, Jean Wiener.

WJAR, Providence, R. I. (485.1m-618kc), 8:30 p. m., musical program; 9, WEAF; 10, WEAF.

WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Hotel Madison concert orchestra; 8, Voice of the Silent drama; 8:30, WRC; 9:30, Royal Typewriter Salon orchestra, WGY, WRC; 10:30, Fireside Boys, WRC, WBZ.

WLIT, Philadelphia, Pa. (394.5m-760kc), 7:30 p. m., Benjamin Franklin concert orchestra.

WMCA, New York, N. Y. (340.7m-880kc), 7 p. m., Monte Carlo by the Sea orchestra; 8, Roemers Homers; 9, Solow soloists; 9:30, Columbia Park entertainers; 11, Hotel McAlpin orchestra; 12, Broadway night.

WNYC, New York, N. Y. (526m-570kc), 7 p. m., piano selections; 8, band concert Prospect park.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Sylvania dinner dance orchestra.

WOR, Newark, N. J. (405.2m-740kc), 6:15 p. m., Jacques Jacobs' Hotel Shelton ensemble; 7, Jacques Jacobs' Hotel Shelton ensemble; 7:45, Oreste's Queensland orchestra; 8:15, Vanderbilt Hotel orchestra; 9, Arthur Pryor's band; 10, Chateau Baltusrol orchestra.

Eastern Standard or Central Daylight Saving Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 5:30 p. m., dinner concert; 8, "We Take You into the Woods," symphony players; 9, concert, symphony players; 10:20, concert, Flotilla club, Etzi Covato and his orchestra.

KYW, Chicago, Ill. (535.4m-560kc), 6:30 p. m., dinner concert, Congress hotel; 8-9, "Twenty Minutes of Good Reading"; 9-10:30, classical program; 10:30-12 midnight. Congress Carnival.

WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., dinner orchestra; 7:30-8, mixed quartet; 8-9, WBAL trio; John Wilbourn, tenor; 9-10, dance orchestra.

WBBM, Chicago, Ill. (225.4m-1330kc), 5:15-6 p. m., recital, Eddie Hanson, organist; 8-9:30, classical program; 9:30-10:15, moss-covered melodies; 10:15-10:30, The Izaak Walton hour; 10:30-11:30, Vic Fredericks, baritone, Maurice Silverman, tenor, and staff artists; 11:30-12, the Supper club.

WBZ, Springfield, Mass. (333.1m-900kc), 6:33 p. m., Hotel Lenox ensemble; 7:30, U. S. Marine band; 8:30, Rollstone male quartet; 9, musical program; 9:30, Fireside boys.

WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., Griddkette ensemble; 8-10, Schmeman band.

WEBH, Chicago, Ill. (370.2m-810kc), 7-8 p. m., harp recital, Edward Vito; orchestra; E. Bigelow, pianist; 9-9:45, Edgewater Beach hotel orchestra; songs, Carlos Hatvary, ensemble; 11-12:30 a. m., dance music; guitar solos, Hickey and Johnson; songs, Rita McFawn; Six syncopators.

WGHB, Clearwater, Fla. (266m-1130kc), 7:30-8:30 p. m., dinner music.

WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert; 10-11, WGHP Frolickers; 11-12, Skylark dance band.

WGN, Chicago, Ill. (302.8m-990kc), 6:45-7 p. m., request program; 8-9, WEAF; 9-10, WEAF; 10-10:10, Sam 'n' Henry; 10:10-10:20, Music Box; 10:20-10:30, Great Moments from Grand Opera; 10:30-11, WGN studio ensemble.

WGY, Schenectady, N. Y. (379.5m-790kc), 6:45 p. m., soprano and piano solos; 7:30, Marine band; 8:30, WJZ; 9:30, WGY orchestra; Frederick Clinnick, cornetist; 10:30-11:30, organ recital, Stephen Boisclair.

WHT, Chicago, Ill. (399.8m-750kc), 7-8:30 p. m., Al Carney, organist; 8:45 (238m-1260kc), Helen Rauh, organist; Stuart Dawson, poems; 10:30-1 (399.8m-750kc), Al Carney, organist; Billy Alan Huff, popular songs; Little Joe Warner, character songs; Al and Pat.

WJAZ, Chicago, Ill. (329.5m-910kc), 9-12 mid., Chez Pierre orchestra; Henrietta Nolan, violinist; George Peterson, baritone; Jacob Hannemann, pianist.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Goldkette's Petite symphony orchestra, soloists; 7:30, Ide and Meginnity, entertainers; 8, concert.

WLIB, Chicago, Ill. (302.8m-990kc), 7-7:05 p. m., Million sing; 7:05-7:15, Old-Fashioned Almanack; 7:15-8, Drake concert ensemble; Blackstone string quintet; 11-11:20, Correll and Gosden; 11:20-1 a. m., Liberty studio ensemble; Ambrose Larsen, organist; Bobby Meeker's Drake hotel dance orchestra; Fred Hamm's orchestra.

WLS, Chicago, Ill. (344.6m-870kc), 7:20 p. m., Rose Sherman, violinist; Marie Ludwig, harpist; 7:30, organ concert, Ralph Emerson; 8, Surprise time; 8:10, Maurie Sherman's College Inn orchestra; 8:20, Ford and Glenn; 8:30, Donald Malin "Music Moods"; 8:50, Ford and Glenn.

WLW, Cincinnati, O. (422.3m-710kc), 7 p. m., Robert Visconti's orchestra; 7:40, orchestra; 8, Salvation army band; 9, Cincinnati Zither players, Herman Maurer, Bardoneon player; 10, Castle Farmers; 10:20, Al Kirchner and "Pep" Golden; 10:40, Irene Downing and Tommy Reynolds; 12:15 a. m., Crosley Pups.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Jack Chapman's orchestra; 6:50, orchestra; 8:30, Frederick Frederickson, violinist; 9, WMAQ players.

WOK, Chicago, Ill. (217.3m-1380kc), 6-8 p. m., Tip Top Inn string ensemble concert; 8-12, Capitol theater organ; Katz and his Kittens' orchestra; Midway Garden orchestra; Tearney's Town club orchestra; Capitol theater program.

WORD, Batavia, Ill. (275.1m-1090kc), 8 p. m., musical Program; 9, musical program.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Gardens orchestra; Thora Martens, contralto; Robert Wessling, baritone; Earle Raymond Bigelow, pianist; 10-2, Rainbo Gardens orchestra; Sophia Kasmir, Lamb Sisters; Sylvian Four; Goldie Gordon.

WRC, Washington, D. C. (468.3m-640kc), 7:30 p. m., U. S. Marine band, WJZ, WGY; 9-10, WJZ; 10, Hotel Mayflower orchestra.

WRVA, Richmond, Va. (256.3m-1170kc), 8:45-12:45 p. m., Suffolk night.

WSAI, Cincinnati, O. (325.9m-920kc), 6:45 p. m., chime concert; 7-10 p. m., WEAF.

WSWS, Chicago, Ill. (275m-1090kc), 7-8 p. m., Henri Therrien, Oscar Heather; orchestra; 10-11, "On the Streets of New York," John Clark production; 12-1, witching hour.

WTAM, Cleveland, Ohio (389.4m-770kc), 6 p. m., Hollenden Hotel orchestra; 7:30, Studio orchestra from WEAF; 8, Clicquot Club eskimos from WEAF; 9, studio program; 11, Emerson Gill and his Bamboo Garden orchestra.

WTIC, Hartford, Conn. (475.9m-630kc), 7 p. m., popular period; 7:30, James Butler, banjoist; 8, Foran-to Melody Makers and Manchester quartet; 9, Colt Park Municipal dance orchestra; 9:30, Emil Heimberger's Hotel Bond dance orchestra.

WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7, WEAF.

Central Standard Time Stations

KFNF, Shenandoah, Iowa (461.3m-650kc), 7 p. m., program, Villisca, Iowa.

KLDS, Independence, Mo. (440.9m-680kc), 8 p. m., Hazel Scott, organist; Allen McDougal, baritone; Mildred Clark, soprano.

KOIL, Council Bluffs, Iowa (305.9m-980kc), 6:03 p. m., Virginia Mulholland, harpist; 7, Nelson Painters; 8, Schmoeller and Mueller Piano company; 11, Lyric serenaders.

KPRC, Houston, Texas (296.9m-1010kc), 7:30 p. m., Claude Blanchard's dance orchestra; 9, Southern Pacific Lines glee club.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10-9:45 p. m., opera classics, New Arlington hotel orchestra; 9:45-10, organ solos, Lawson Reid.

KWWG, Brownsville, Tex. (278m-1080kc), 8:30 p. m., program, representatives Valley Towns; 8:30-8:50, F. Lancaster, bass; 8:50-9:15, Louis Bartlett, pianist; 9:15-9:30, Kathryn Buckner, soprano; 9:30-9:45, Spanish songs, Manuel Calzo; 12:01, dance program.

WAMD, Minneapolis, Minn. (244m-1230kc), 6 p. m., Radisson hotel orchestra; 10, organ recital.

WBAP, Ft. Worth, Tex. (475.9m-630kc), 7:30-8:30 p. m., musical program, Jessie Street; 9:30-11, entertainers; 11-12, novelty mandolin and guitar program, Southern Melody Boys.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 7-9 p. m., WEAF.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., School of the Air; 11:45-1 a. m., Nighthawk frolic; Charlie Straigh's Brunswick orchestra; Earl Coleman's orchestra; Ken Widenor, organist.

WFAA, Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m., Jimmy Joys' Baker hotel orchestra; 8:30-9:30, Banuelos' Mexican band.

WHAD, Milwaukee, Wis. (275m-1090kc), 6:10 p. m., Hotel Wisconsin Badger room orchestra; 8:30, talk, Rambler.

WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., studio concert.

WHO, Des Moines, Iowa (526m-570kc), 7:30-8 p. m., Philbreck and his Younker tea-room orchestra; 8-9, Bankers Life trio.

WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., vocal concert, Hugh Sandidge.

WOAI, San Antonio, Tex. (394.5m-760kc), 8:30 p. m., Mistletoe Melody Maids.

WOAW, Omaha, Nebr. (526m-570kc), 6:50 p. m., orchestra; 9, classical.

WOC, Davenport, Iowa (483.6m-620kc), 5:45-6 p. m., chimes concert; 6:30-9, WEAF; 9-9:30, Moline Plowboys.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., concert; 10:45, Bohemian orchestra.

Mountain Standard Time Stations

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Radio Boys' dance orchestra; George O'Hara, soloist; 8-9, KFI drama hour; 9-10, Chas. Dimond, steel guitar; 10-11, Azure Music club.

KFWB, Hollywood, Calif. (252m-1190kc), 8-9 p. m., Program, McGavin Brothers Bakeries; 9-10, program, Chapman's Ice Cream; 10-11, Warner Brothers, frolic.

KGO, Oakland, Calif. (361.2m-830kc), 6-6:55 p. m., Bem's Little symphony orchestra; 8-9, Radiana Pazmor, mezzo-contralto; Valencia trio; 9-12, Phil Lampkin's Musical Bears.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 9-10, vaudeville.

KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., children's hour, Uncle John; 8-10, Zeollner string quartet; Harriet Andrews, soprano; 10-11, Marigold Gardens dance orchestra.

KNX, Hollywood, Calif. (336.9m-890kc), 7-8 p. m., Carthay Circle theater organ; 8-9, program, Rigali & Veselich; 9-11, feature program; 11-12, Ambassador hotel dance orchestra.

KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7 p. m., States Restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel orchestra; 8-9, studio program; 9-10, studio program; 10-11, Mandarin cafe dance orchestra.

KPSN, Pasadena, Calif. (315.6m-950kc), 8-9 p. m., musical program.

KTAB, Oakland, Calif. (302.8m-990kc), 8-10 p. m., KTAB quartet.

FARMERS' PROGRAM INDEX

Farmer Dinner Concerts

Daily Except Sunday

CENTRAL TIME

KFNF, 12:15-1:35 p. m.
KMA, 11:30-12:30
KSO, 12:30-1:30 p. m.

Sunday

Atlantic	Eastern	Central	Mountain	Pacific
4:30 p. m.	3:30	2:30	1:30	12:30

WFAA (475.9m-630kc), Sunday hour for farmers.

Monday

Atlantic	Eastern	Central	Mountain	Pacific
12 m.	11	10	9	8

KMMJ (228.9m-1310kc), Poultry talks.

2:30 p. m.	1:30	12:30	11:30	10:30

KMA (461.3m-650kc), Farm talk, Agricultural aid.
WMAQ (447.5m-670kc), Prairie Farmer farm talks.

2:45	1:45	12:45	11:45	10:45

WOI (270.1m-1110kc), Questions and answers on Horticulture.

8:45	7:45	6:45	5:45	4:45

WSM (282.8m-1060kc), Poultry talks.

9	8	7	6	5

WOS (440.9m-680kc), Livestock questions and answers.

9:30	8:30	7:30	6:30	5:30

WMC (499.7m-600kc), Farm talk.

10	9	8	7	6

KFNF (461.3m-650kc), Poultry talk.

10:30	9:30	8:30	7:30	6:30

WFAA (475.9m-630kc), Sears-Roebuck program.

12:05a.m.	11:05	10:05	9:05	8:05

KGO (361.2m-830kc), Agricultural Outlook.

Tuesday

Atlantic	Eastern	Central	Mountain	Pacific
12 m.	11	10	9	8

KMMJ (228.9m-1310kc), Poultry talks.

2:15 p.m.	1:15	12:15	11:15	10:15

WCCO (416.4m-720kc), Farm program.

2:30	1:30	12:30	11:30	10:30

KMA (461.3m-650kc), Agricultural aid.
WMAQ (447.5m-670kc), Prairie Farmer farm talks.

2:45	1:45	12:45	11:45	10:45

WOI (270m-1110kc), "Animal Husbandry."

7:45	6:45	5:45	4:45	3:45

WGY (379.5m-790kc), Agricultural program.

9:33	8:33	7:33	6:33	5:33

KYW (535.4m-560kc), American Farm Bureau Federation.

10:30	9:30	8:30	7:30	6:30

KOA (322.4m-930kc), Farm question box.

Wednesday

Atlantic	Eastern	Central	Mountain	Pacific
1:45p.m.	12:45	11:45	10:45	9:45

WMAQ (447.5m-670kc), Prairie Farmer farm talks.

2:30	1:30	12:30	11:30	10:30

KMA (461.3m-650kc), Agricultural aid.
WFAA (475.9m-630kc), Sears-Roebuck Agricultural program.

2:45	1:45	12:45	11:45	10:45

WOI (270.1m-1110kc), Poultry husbandry.

9	8	7	6	5

WOS (440.9m-680kc), Evening market hour, poultry questions and answers.

Thursday

Atlantic	Eastern	Central	Mountain	Pacific
2:15p.m.	1:15	12:15	11:15	10:15

WOI (270m-1110kc), Farm crops.

2:30	1:30	12:30	11:30	10:30

KMA (461.3m-650kc), Agricultural aid.
WMAQ (447.5m-670kc), Prairie Farmer farm talks.

9:30	8:30	7:30	6:30	5:30

WOI (270m-1110kc), Talk.

9:33	8:33	7:33	6:33	5:33

KYW (535.4m-560kc), American Farm bureau.

10:30	9:30	8:30	7:30	6:30

KOA (322.4m-930kc), Farm question box.

Friday

Atlantic	Eastern	Central	Mountain	Pacific
2:15p.m.	1:15	12:15	11:15a.m.	10:15

WCCO (416.4m-720kc), Farmers' program.

2:30	1:30	12:30	11:30	10:30

KMA (461.3m-650kc), Agricultural aid.
WMAQ (447.5m-670kc), Prairie Farmer farm talks.

2:45	1:45	12:45	11:45	10:45

WOI (270m-1110kc), Agricultural Economics.

9	8	7	6	5

WOS (440.9m-680kc), Evening Market hour. Dairy questions and answers.

9:30	8:30	7:30	6:30	5:30

WOC (483.6m-620kc), Question box.

Saturday

Atlantic	Eastern	Central	Mountain	Pacific
2 p. m.	1	12 n.	11	10

KFRC (296.9m-1010kc), Farmers' educational and musical program.

2:15	1:15	12:15	11:15	10:15

KSO (241.8m-1240kc), Farm talk.

2:30	1:30	12:30	11:30	10:30

KMA (461.3m-650kc), Agricultural aid.

2:45	1:45	12:45	11:45	10:45

WOI (270m-1110kc), Soils, questions and answers.

9	8	7	6	5

KDKA (309.1m-970kc), Farm program.

Friday, September 3

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
8:15 p.m.	7:15	6:15	5:15	4:15

WGY (379.5m-790kc), Comedy, "Tenants."

9:45	8:45	7:45	6:45	5:45

WTIC (475.9m-630kc), Choral club.

10	9	8	7	6

WSM (282.8m-1060kc), Violin recital.

10:20	9:20	8:20	7:20	6:20

WOS (440.9m-680kc), Old Fiddling champion.

11	10	9	8	7

KMA (461.3m-650kc), Ray-O-Vac twins.

11:25	10:25	9:25	8:25	7:25

KOA (322.4m-930kc), Music the whole world loves.

11:30	10:30	9:30	8:30	7:30

KMOX (280.2m-1070kc), Scotch program.

Friday, silent night for: CFAC, CKAC, CKNC, CKY, CNRC, CNRM, CNRO, CNRR, CNRW, KFXF, KLDS, KPRC, KPSN, KWWG, WBBR, WCAD, WCBD, WGBS, WIP, WJAZ, WKRC, WLIT, WLW, WLWL, WOR, WRC, WREO, WRVA, WSAI, WSMB, WSUI, WTAM.

Atlantic or Eastern Daylight Saving Time Stations

WAHG, Richmond Hill, N. Y. (315.6m-950kc), 8 p. m., Grehe music hour; Nickels instrumental trio; Hazel Clark Kent, soprano; 9, Gondoliers; 9:30, Montclair Harmony Four; 10, Duke Donaldson's orchestra.

CFCA, Toronto, Can. (356.9m-840kc), 10 p. m., musical program.

CKNC, Toronto, Can. (356.9m-840kc), 8 p. m., Charles E. Bodley and his dance orchestra; Eveready male quartet.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:30 p. m., Cathay dance orchestra; 7:30, Snellenburg symphony orchestra; 8, recital; 8:15, Saddler's Plantation serenaders; 8:45, Getz Go-Getters; 9, The Unknown tenor; 9:30, Musical Ches; 9:45, Professor Doolittle; 10, Carolyn Thomas, soprano; 10:30, Myers' Musical Architects.

WEAF, New York, N. Y. (491.5m-610kc), 6 p. m., dinner music; 7, mid-week hymn sing; 7:30, Meyer Davis' orchestra; 8, Serenaders, WEEI, WFI, WOC, WSAI, WWJ, WGR, WTAM, WCAE; 9, orchestra concert, Esterre Waterman, contralto, WEEI, WFI, WOC, WSAI, WWJ, WGR, WTAM; 10, Clicquot Club Eskimos, WEEI, WJAR, WTAG, WFI, WCAE, WSAI, WTAM, WGR, WWJ, WOC, WCCO, KSD, WGN; 11, Silvertown Cord orchestra, WEEI, WFI, WCAE, WWJ, WGR, WOC, WCCO, WTAG, KSD, WSAI, WJAR, WGN, WADC, WCSH; 11-12, Greenwich Village Inn orchestra.

WEEI, Boston, Mass. (348.6m-860kc), 8-11 p. m., WEAF.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:45 p. m., Adelphia Roof Garden orchestra; 8, The Serenaders; 9, Esterre Waterman, contralto; orchestral concert; 10, WEAF; 11, WEAF.

WHN, New York, N. Y. (361.2m-830kc), 7-7:30 p. m., Junior Order night; 7, baritone; 8:30-9, theater overture, vaudeville; 11:30-12, Cotton Club orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 8, concert. Sesqui Centennial exposition; 9, Hotel Traymore concert orchestra; 9:30, Hotel Ambassador concert

Atlantic	Eastern	Central	Mountain	Pacific
12 m.	11	10	9	8

KGO (361.2m-830kc), Valencia trio.

1 a.m.	12	11	10	9

WBAP (475.9m-630kc), Novelty Mandolin and guitar program.

2	1	12	11	10

KFI (467m-642kc), Azure Music club.

Thursday, silent night for: CKNC, CNRA, CNRE, CNRO, CNRR, CNRT, CNRV, CNRW, KFAB, KFH, KFOA, KFUO, KMOX, KOA, KOB, WAHG, WAMD, WCAP, WEAO, WEBJ, WGBF, WHAD, WMAK, WOOD, WOR, WOS, WSM, WSUI, WTAM.

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The prize Radio d
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Four Monday ev
Joseph F. Whittem
Tenor from the S
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Wednesday, S

Headliners

Atlantic	Eastern	Centr
10 p.m.	9	8

WEAF (491.5m-610kc), "I
Majeur," light opera.

10:30	9:30	8:3

KFAB (340.7m-880kc), Old
WHO (526m-570kc), KOIL

11:25	10:25	9:2

KOA (322.4m-930kc), Staff
WCCO (416.4m-720kc), Se

12 m.	11	1(

WLS (344.6m-870kc), Sta

12:45 p.m.	11:45	10:4

WSB (428.3m-700kc), Peer

Wednesday silent night for:
CNRC, CNRE, CNRM, CNRR, CN
KGO, KLDS, KMMJ, KOIL, KPSN, K
WABQ, WBAL, WBAP, WBBR, W
WGBF, WGBS, WGCP, WHAR, WIP,
WOAW, WPG, WRC, WRR, WSUI.

Atlantic or Eastern Dayligh Time Stations

CFCA, Toronto, Can. (356.9m-840kc), musical program.

WAHG, Richmond Hill, N. Y. (315.6m-95 Albert Reiss, vibraphone; 8:30, Wi stein, baritone; 9, Veronica Wiggi 9:30, Reischick Brothers; 10, Good H

WCAU, Philadelphia, Pa., (277.6m-1080k N. Snellenburg and Co.; 8, Melrose co 8:30, Edward Tamarin, guitar; 9, Mazer, entertainers; 9:30, Charles B 9:40, Senator Hassenpfeffer; 9:45, Fra time songs; 10, Artie Bittong's Cheer

WEAF, New York, N. Y. (491.5m-610 Hotel Waldorf-Astoria; 7, synagogue U. S. Army band, WEEI, WTAG, WCAE, WWJ, WSAI, WRC; 8:30, phone octet, WOO, WJAR, WCAE, WTAM, WTAG, WRC; 9, Ipana WEEI, WRC, WOO, WWJ, WLIB, WGR, KSD; 9:30, South Sea Isla WGR, WOO, KSD, WTAG; 10, Tambour Majeur," light opera com WEEI, WCAE, WCSH, KSD; 11-12, Inn orchestra.

WEBJ, New York, N. Y. (272.6m-110 Karl Weiss Peasant band; 8:45, Ben Savino; Kathryn Connelly, Irish so Zablow, Russian bass; Original Melv

WEEI, Boston, Mass. (348.6m-860kc), 7 WEAF; 10, musicale.

WFI, Philadelphia, Pa. (394.5m-760kc) Adelphia Roof Garden orchestra.

WHN, New York, N. Y. (361.2m-830kc) organ recital; 9, Loew's New York estra; 10-10:30, Roseland dance orche Silver Slipper orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc) Benjamin Franklin concert orchestra.

WJAR, Providence, R. I. (485.1m-618 U. S. Army band concert; 8:30, Da octet; 9:05, musical program; 10, W.

WJZ, New York, N. Y. (454.3m-660kc), Hotel Madison concert orchestra; 8, Imper 10:30, Hotel Astor Roof orchestra.

WLIT, Philadelphia, Pa. (394.5m-760kc), 7:30 p. Dream Daddy's bedtime stories; 8, recital; 8: concert, Progress Paint company; 9, recital; 10, Arcadia cafe dance orchestra.

WMAK, Buffalo, N. Y. (265.3m-1130kc), 7:30 p. m., Eastman theater musicale; 8:05, musicale; 9-10, musical program.

WMCA, New York, N. Y. (340.7m-880kc), 6:30 p. m., Ernie Golden and his Hotel McAlpin orchestra; 8, Monte Carlo by the Sea orchestra; 10:30, Colonial Inn orchestra; 11, Jack Denny's orchestra; 11:30, Club Brighton orchestra; 12, McAlpin entertainers.

WNYC, New York, N. Y. (526m-570kc), 6:10 p. m., Piano selections; 8:30, band concert, Central park.

WOO, Philadelphia, Pa., 508.2m-590kc), 7:30 p. m., Silvania dinner dance orchestra; 8:30, WEAF; 10, Fox theater studio program; 10:30, Sam Brown's dance orchestra.

WOR, Newark, N. J. (405.2m-740kc), 6:15 p. m., Jacques Jacobs' Hotel Shelton ensemble; 6:45, sports; 7, Jacques Jacobs' Hotel Shelton ensemble; 8, Newark Philharmonic band; 9, French line program; 9:45, Monterey society orchestra; 10:30, special feature; 10:45, Monterey concert quintet; 11:15, Ben Bernie's Berkeley-Carteret orchestra.

orchestra; 8, orchestra; 8:30, Nina Mesirow-Minchin, pianist; 9, music; 9:30, Jack Chapman's orchestra.

WMBB, Chicago, Ill. (250m-1200kc), 7-8 p. m., Trianon duo; Charlotte Johnson, soprano; Monte Blum, tenor; John Everett, baritone; Harold Thorpe, pianist.; 9-11, Trianon orchestra; Grace Frost, whistler; Myra Mills, pianist; Borden Brothers; John Stamford.

WOK, Chicago, Ill. (217.3m-1380kc), 6-8 p. m., Tip Top Inn string ensemble concert; 8-12, Capitol theater organ; Katz and his Kittens' orchestra; Midway Garden orchestra; Tearney's Town club orchestra; Capitol theater program.

WORD, Batavia, Ill. (275.1m-1090kc), 7 p. m., program; 7:45, reading; 9, I. B. S. A. choral singers.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., dinner concert; 10-2, Joe Rudolph and his Rainbo Gardens orchestra; Sophia Kasmir, prima donna; Lamb Sisters; Jerry Derr, tenor; Gail Bandell; Clarence Claussen.

WRC, Washington, D. C. (468.5m-640kc), 5 p. m., U. S. Marine band; 6:30, U. S. Army band; 7:30, WEAF; 8-10, WEAF.

Virginia Vetter's entertainers.

WHO, Des Moines, Ia. (526m-570kc), 6-7 p. m., Bankers Life Little symphony orchestra; Myrtle Williams, soprano; 7-8, Paul Christianson's Hotel Fort Des Moines orchestra; 8-8:30, Four Horsemen; 8:30-9, KOIL twins; 9-9:30, Four Horsemen; 9:30-11, dance program.

WOAI, San Antonio, Tex. (394.5m-760kc), 8:30 p. m., Delaware Punch program.

WOC, Davenport, Ia. (483.6m-620kc), 4-4:45 p. m., Bernard Reagan, baritone; Jeanne de Vogelaere; Jack Wilman, tenor; 7-8:30, WEAF; 9:30-10:30, musical program, Erwin Swindell, organist.

WOS, Jefferson City, Mo. (440.9m-680kc), 8 p. m., Chic Scoggin, songster, WOS quartet.

WSB, Atlanta, Ga. (428.3m-700kc), 10:45 p. m., Peerless entertainers.

WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., dinner concert, trio; 8, Mrs. L. L. Gamble, soprano; 10, studio program.

WSUI, Iowa City, Ia. (483.6m-620kc), 8 p. m., musical program.

estra; 10-11, States Restaurant orchestra.

KTAB, Oakland, Calif. (302.8m-990kc), 8-10 p. m., program.

Thursday, September 2

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
10 p.m.	9	8	7	6

WLW (422.3m-710kc), Zither players.

10:30	9:30	8:30	7:30	6:30

WFAA (475.9m-630kc), Mexican band.

11	10	9	8	7

KPRC (296.9m-1010kc), Glee club.
WSWS (275.8m-1090kc), "On the Streets of New York."

KOA BROADCASTS THRILLING HILL-CLIMBING RACES ON PIKES PEAK

HIGH LIGHTS OF THE AIR

SAN FRANCISCO'S municipal organist and official organist of Station KPO, Uda Waldrop, has returned from a successful tour of European Radio stations. He studied particularly broadcasters of London, Paris and Rome. A special program of Mr. Waldrop's own compositions was given by the artist and his wife, Marguerite Raas Waldrop, soprano, over 2LO.

The prize Radio drama, "The Night Herd," will go out over the ether again Saturday, September 4, from KMOX. The invisible curtain rises at 9 p. m. Central Standard time. Not only is the play very much worth hearing but the KMOX players have developed perfect harmony of movement and good Radio technique.

Around hairpin curves with steep drops automobiles will dash in the hill-climbing races up Pikes Peak, Labor day, September 6. Tune in at 10:30 a. m., Mountain time, for KOA, Denver. Complete reports will be relayed from the summit to Denver.

Four Monday evening recitals by Joseph F. Whittemore, Golden Voiced Tenor from the Southland will be featured by WRVA during the month of September. Mr. Whittemore has a remarkable voice and is a splendid musician. He is already a favorite with the Virginian Radio audiences.

Wednesday evenings at WGN, the boy, Aladdin, rubs his magic lamp and through the medium of music the listener is transported to far-off lands. One moment he is dreaming with Schubert of his "Unfinished Symphony," or he treks across the sands to the tune of "The Caravan." The work of preparing these programs falls on the capable shoulders of Henry Selinger.

The buzz-z-z-z of the bee may well be taken for static in the air, but those who will listen for a minute will find it is only the beginning of one of WTIC's newest mystery features broadcasting Fridays at 7:15 p. m., Eastern Standard time. "Fiddle an' Bee" has made a big hit with the Travelers Radio fans, who eagerly await the weekly return of this gifted violinist.

Otto Rindlisbacher, Swiss accordionist of Rice Lake, Wis., and W. W. Wait, old time fiddler, of Dallas, Wis., will visit WCCO and give an old fashioned concert Saturday, September 11. Staff artists will help to give the atmosphere of an early American party.

Monday, the 13th, marks the fourth anniversary of Station WHAZ. The Domino Club orchestra and features will give the birthday features. A memorial tribute will go over the ether to the late Col. Washington A. Roebling, famous as the builder of the Brooklyn bridge, who was the donor of the Radio equipment of this station.

The regular weekly broadcast at KHJ of Queen Titania and the Sandman on Tuesday, September 14, marks the beginning of the fourth year of this continuity. As a result of this broadcast work little Queen Titania is now being starred in a series of motion picture productions. The fairyland continuities are all written by Queen Titania's father, who also takes the part of the Sandman in the script. Uncle John Daggett is the aerial observer.

YOUNGEST theater orchestra leader in the country is David Miller, left, who is only 21. This enterprising young man is also a graduate of the University of Wisconsin. When he finished college he took his orchestra on a tour of the Orient. Now directs the new Tower theater orchestra heard regularly over Station WHAD, Milwaukee. Two roof garden favorites of the McAlpin hotel are Norma Leyland and Alma Keller, below. Their voices harmonize so well together they are often chosen to entertain over the microphone of this hotel, WMCA. To the right is Pattison Coates, originally a popular Radio star of New York city where he sang over WEAF and WJZ. At the present his baritone voice is charming midwest listeners.

FARMERS' PROGRAM INDEX

Farmer Dinner Concerts

Daily Except Sunday

CENTRAL TIME
KFNF, 12:15-1:35 p. m.
KMA, 11:30-12:30
KSO, 12:30-1:30 p. m.

Sunday

Atlantic Eastern Central Mountain Pacific
4:30 p. m. 3:30 2:30 1:30 12:30
WFAA (475.9m-630kc), Sunday hour for farmers.

Monday

Atlantic Eastern Central Mountain Pacific
12 m. 11 10 9 8
KMMJ (228.9m-1310kc), Poultry talks.
2:30 p. m. 1:30 12:30 11:30 10:30
KMA (461.3m-650kc), Farm talk, Agricultural aid.
WMAQ (447.5m-670kc), Prairie Farmer farm talks.
2:45 1:45 12:45 11:45 10:45
WOI (270.1m-1110kc), Questions and answers on Horticulture.
8:45 7:45 6:45 5:45 4:45
WSM (282.8m-1060kc), Poultry talks.
9 8 7 6 5
WOS (440.9m-680kc), Livestock questions and answers.
9:30 8:30 7:30 6:30 5:30
WMC (499.7m-600kc), Farm talk.
10 9 8 7 6
KFNF (461.3m-650kc), Poultry talk.
10:30 9:30 8:30 7:30 6:30
WFAA (475.9m-630kc), Sears-Roebuck program.
12:05a.m. 11:05 10:05 9:05 8:05
KGO (361.2m-830kc), Agricultural Outlook.

Tuesday

Atlantic Eastern Central Mountain Pacific
12 m. 11 10 9 8
KMMJ (228.9m-1310kc), Poultry talks.
2:15 p.m. 1:15 12:15 11:15 10:15
WCCO (416.4m-720kc), Farm program.
2:30 1:30 12:30 11:30 10:30
KMA (461.3m-650kc), Agricultural aid.
WMAQ (447.5m-670kc), Prairie Farmer farm talks.
2:45 1:45 12:45 11:45 10:45
WOI (270m-1110kc), "Animal Husbandry."
7:45 6:45 5:45 4:45 3:45
WGY (379.5m-790kc), Agricultural program.
9:33 8:33 7:33 6:33 5:33
KYW (535.4m-560kc), American Farm Bureau Federation.
10:30 9:30 8:30 7:30 6:30
KOA (322.4m-930kc), Farm question box.

Wednesday

Atlantic Eastern Central Mountain Pacific
1:45p.m. 12:45 11:45 10:45 9:45
WMAQ (447.5m-670kc), Prairie Farmer farm talks.
2:30 1:30 12:30 11:30 10:30
KMA (461.3m-650kc), Agricultural aid.
WFAA (475.9m-630kc), Sears-Roebuck Agricultural program.
2:45 1:45 12:45 11:45 10:45
WOI (270.1m-1110kc), Poultry husbandry.
9 8 7 6 5
WOS (440.9m-680kc), Evening market hour, poultry questions and answers.

Thursday

Atlantic Eastern Central Mountain Pacific
2:15p.m. 1:15 12:15 11:15 10:15
WOI (270m-1110kc), Farm crops.
2:30 1:30 12:30 11:30 10:30
KMA (461.3m-650kc), Agricultural aid.
WMAQ (447.5m-670kc), Prairie Farmer farm talks.
9:30 8:30 7:30 6:30 5:30
WOI (270m-1110kc), Talk.
9:33 8:33 7:33 6:33 5:33
KYW (535.4m-560kc), American Farm bureau.
10:30 9:30 8:30 7:30 6:30
KOA (322.4m-930kc), Farm question box.

Friday

Atlantic Eastern Central Mountain Pacific
2:15p.m. 1:15 12:15 11:15a.m. 10:15
WCCO (416.4m-720kc), Farmers' program.
2:30 1:30 12:30 11:30 10:30
KMA (461.3m-650kc), Agricultural aid.
WMAQ (447.5m-670kc), Prairie Farmer farm talks.
2:45 1:45 12:45 11:45 10:45
WOI (270m-1110kc), Agricultural Economics.
9 8 7 6 5
WOS (440.9m-680kc), Evening Market hour. Dairy questions and answers.
9:30 8:30 7:30 6:30 5:30
WOC (483.6m-620kc), Question box.

Saturday

Atlantic Eastern Central Mountain Pacific
2 p. m. 1 12 m. 11 10
KPRC (296.9m-1010kc), Farmers' educational and musical program.
2:15 1:15 12:15 11:15 10:15
KSO (241.8m-1240kc), Farm talk.
2:30 1:30 12:30 11:30 10:30
KMA (461.3m-650kc), Agricultural aid.
2:45 1:45 12:45 11:45 10:45
WOI (270m-1110kc), Soils, questions and answers.
9 8 7 6 5
KDKA (309.1m-970kc), Farm program.

Wednesday, September 1

Headliners Today

Atlantic Eastern Central Mountain Pacific
10 p.m. 9 8 7 6
WEAF (491.5m-610kc), "La Fille du Tambour Majeur," light opera.
10:30 9:30 8:30 7:30 6:30
KFAB (340.7m-880kc), Old time tune night
WHO (526m-570kc), KOIL twins.
11:25 10:25 9:25 8:25 7:25
KOA (322.4m-930kc), Staff artists.
WCCO (416.4m-720kc), Selim Grotto band.
12 m. 11 10 9 8
WLS (344.6m-870kc), Staff frolic.
12:45 p.m. 11:45 10:45 9:45 8:45
WSB (428.3m-700kc), Peerless entertainers.

Wednesday silent night for: CKAC, CKNC, CNRA, CNRC, CNRE, CNRM, CNRR, CNRT, CNRV, KFXF, KGO, KLDS, KMMJ, KOIL, KPSN, KTAB, KWWG, WABQ, WBAL, WBAP, WBBR, WCBD, WFAA, WGBF, WGBS, WGCP, WHAR, WIP, WJAZ, WMC, WOAW, WPG, WRC, WRR, WSUI.

Atlantic or Eastern Daylight Saving Time Stations

CFCA, Toronto, Can. (356.9m-840kc), 8.30 p. m., musical program.
WAHG, Richmond Hill, N. Y. (315.6m-950kc), 8 p. m., Albert Reiss, vibraphone; 8 30, William Helfenstein, baritone; 9, Veronica Wiggins, contralto, 9.30, Reischick Brothers; 10, Good Humor boys.
WCAU, Philadelphia, Pa., (277.6m-1080kc), 7 30 p. m., N. Snellenburg and Co.; 8, Melrose concert quartet, 8.30, Edward Tamarin, guitar; 9, Lipshutz and Mazor, entertainers; 9 30, Charles Borelli, songs, 9 40, Senator Hassenpfeffer; 9 45, Frank Cook, old-time songs; 10, Artie Bitting's Cheer up club.
WEAF, New York, N. Y. (491.5m-610kc), 6 p. m., Hotel Waldorf-Astoria; 7, synagogue services, 7 30, U. S. Army band, WEEI, WFAG, WJAR, WGR, WCAE, WWJ, WSAI, WRC; 8 30, Davis Saxophone octet, WOO, WJAR, WCAE, WSAI, WEEI, WTAM, WTAG, WRC; 9, Ipana Troubadours, WEEI, WRC, WOO, WWJ, WLIB, WCCO, WOC, WGR, KSD; 9 30, South Sea Islanders, WEEI, WGR, WOO, KSD, WTAG; 10, "La Fille du Tambour Majeur," light opera company, WJAR, WEEI, WCAE, WCSH, KSD; 11-12, Pelham Heath Inn orchestra.
WEBJ, New York, N. Y. (272.6m-1100kc), 8 p. m., Karl Weiss Peasant band; 8 15, Ben Rotts, Michael Savino; Kathryn Connelly, Irish soprano; Joseph Zablow, Russian bass; Original Melville Five.
WEEI, Boston, Mass. (348.6m-860kc), 7.30-9 30 p. m., WEAF; 10, musicale.
WFI, Philadelphia, Pa. (394.5m-760kc), 6.45 p. m., Adelphia Roof Garden orchestra.
WHN, New York, N. Y. (361.2m-830kc), 7.30-8 p. m., organ recital; 9, Loew's New York theater orchestra; 10-10.30, Roseland dance orchestra, 11 30-12, Silver Slipper orchestra.
WIP, Philadelphia, Pa. (508.2m-590kc), 6.05 p. m., Benjamin Franklin concert orchestra.
WJAR, Providence, R. I. (485.1m-618kc), 8 p. m., U. S. Army band concert, 8 30, Davis Saxophone octet; 9 05, musical program; 10, WEAF.
WJZ, New York, N. Y. (454.3m-660kc), 7 05 p. m., Hotel Madison concert orchestra, 8, Imperial Imps, 10 30, Hotel Astor Roof orchestra.
WLIT, Philadelphia, Pa. (394.5m-760kc), 7 30 p. m., Dream Daddy's bedtime stories; 8, recital; 8:30, concert, Progress Paint company; 9, recital; 10, Arcadia cafe dance orchestra.
WMAK, Buffalo, N. Y. (265.3m-1130kc), 7 30 p. m., Eastman theater musicale; 8 05, musicale; 9-10, musical program.
WMCA, New York, N. Y. (340.7m-880kc), 6 30 p. m., Ernie Golden and his Hotel McAlpin orchestra; 8, Monte Carlo by the Sea orchestra; 10.30, Colonial Inn orchestra; 11, Jack Denny's orchestra; 11 30, Club Brighton orchestra; 12, McAlpin entertainers.
WNYC, New York, N. Y. (526m-570kc), 6 10 p. m., Piano selections; 8:30, band concert, Central park.
WOO, Philadelphia, Pa., 508.2m-590kc), 7:30 p. m., Silvania dinner dance orchestra; 8:30, WEAF; 10, Fox theater studio program; 10.30, Sam Brown's dance orchestra.
WOR, Newark, N. J. (405.2m-740kc), 6:15 p. m., Jacques Jacobs' Hotel Shelton ensemble; 6 45, sports; 7, Jacques Jacobs' Hotel Shelton ensemble; 8, Newark Philharmonic band; 9, French line program; 9 45, Monterey society orchestra; 10 30, special feature; 10:45, Monterey concert quintet, 11 15, Ben Bernie's Berkeley Carteret orchestra.

Eastern Standard or Central Daylight Saving Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 5 30 p. m., dinner concert, Flotilla club; 8, Colored male glee club, choral, Westinghouse band.
KYW, Chicago, Ill. (535.4m-560kc), 6 30 p. m., Jocko DeBabary and his orchestra; Buttie-Henson orchestra; 7, American hour, 9 10 30, classical concert, Commonwealth Edison company; 10 30-12 midnight, Congress carnival.
PWX, Havana, Cuba (400m-750kc), 8-10 p. m., Military band music.
WBBM, Chicago, Ill. (225.4m-1330kc), 5 15-6 p. m., recital, Ellis Hanson, organist; 9 10, Harmony Time, staff artists, 12, The Nutty club.
WBZ, Springfield, Mass. (333.1m-900kc), 6 p. m., Hotel Lenox ensemble, 8, The Barn formers, 8 30, Max Kenler and his Hotel Westminster orchestra, 9, musical program, 9 30, Hawaiian music, William Kahakalau.
WCX, Detroit, Mich. (516.9m-580kc), 6 7 p. m., Goldkette ensemble, 8 10, Schmeman band.
WEBH, Chicago, Ill. (370.2m-810kc), 7 8 p. m., Edgewater Beach hotel concert orchestra, Florence Behrend, soloist; Gallodoro string quartet; 9 9 15, Edgewater Beach dance orchestra, songs, Frank Greif; Metropolitan harp trio, songs, F. Behrend, 11 12, dance orchestra; songs, Joe Verges and Paul Small; saxophone quartet, songs, Frank Greif; 12-12 30 a. m., Edgewater Beach hotel orchestra.
WGHB, Clearwater, Fla. (266m-1130kc), 8 30 10 p. m., old time songs, Mr. and Mrs. Charlie A. Waller, Caroline Lee, Virginia Gail.
WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert, Hotel Tuller, 8 30 9, Campers' half hour; 9 10, WGHP ensemble.
WGN, Chicago, Ill. (302.8m-990kc), 6 45-7 p. m., Drake concert ensemble, Blackstone string quintet; 8 30 9, musicale; 9 10, musicale; 10 10 10, Sam 'n' Henry, 10 10 10 20, Music Box, 10 20 10 30, studio program; 10 30-12.30 a. m., Pepper party.
WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., Eastman theater orchestra.
WHT, Chicago, Ill. (399.8m-750kc), Al Carney, organist; Riverview Mel-dy Masters, 8 15 10 15, (238m-1260kc), Helen Rauh, organist; Stuart Dawson, 10 10 1, (399.8m-750kc), Al and Pat; Riverview orchestra.
WJAZ, Chicago, Ill. (329.5m-910kc), 9-12 midnight, Earl Hoffman's Chez Pierre orchestra; program for Captain Donald MacMillen, Alexander Nakuten.
WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Goldkette's Petite symphony orchestra, soloists; 7 45, Good Will Oakland and Chief Pontiac, 8, concert, 11, Murphy Brothers' organist; 12, Merry Old Chief and Jewett Jesters.
WLIB, Chicago, Ill. (302.8m-990kc), 7-7 05 p. m., Milton sing, 7 05 7 15, Old Fashioned Almanack, 7 15-7 30, dinner music; 7 30 7 50, Pattison Coates, baritone, Edward Barry, pianist; 7 50 8, Auld Sandy, 8 8 30, WEAF; 12 30 1 a. m., Ambrose Larsen, organist.
WLS, Chicago, Ill. (344.6m-870kc), 6 30 p. m., organ concert, Al Melgard, 6 45, Maurie Sherman's College Inn orchestra, 7 20, Rose Sherman, violinist, Marie Ludwig, harpist, 7 30, organ concert, Ralph Emerson, 8, Surprise time, 8 10, Sherman's College Inn orchestra, 8 30, Ford and Glenn; 8 45, Midwest quartet, 9, WLS trio, picture concert, 9 30, Ford and Glenn, 9 45, Maurie Sherman's College Inn orchestra; 10, popular music, 11, special program.
WLW, Cincinnati, O. (422.3m-710kc), 7 p. m., Robert Visconti's orchestra, 8, program for shut-ins, 10, Pink of programs, 11, Page's Royal Elk syncopators.
WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6 30, Jack Chapman's orchestra; 6 50, orchestra, 8, orchestra, 8 30, Nina Mestrow-Minchin, pianist; 9, music, 9 30, Jack Chapman's orchestra.
WMBB, Chicago, Ill. (250m-1200kc), 7 8 p. m., Trianon duo; Charlotte Johnson, soprano; Monte Blum, tenor; John Everett, baritone, Harold Thorpe, pianist; 9 11, Trianon orchestra, Grace Frost, whistler; Myra Mills, pianist; Borden Brothers, John Stamford.
WOK, Chicago, Ill. (217.3m-1380kc), 6 8 p. m., Tip Top Inn string ensemble concert, 8-12, Capitol theater organ, Katz and his Kittens' orchestra; Midway Garden orchestra; Tearney's Town club orchestra; Capitol theater program.
WORD, Batavia, Ill. (275.1m-1090kc), 7 p. m., program; 7 45, reading 9, I. B. S. A. choral singers.
WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., dinner concert, 10-2, Joe Rudolph and his Rainbo Gardens orchestra; Sophia Kasmir, prima donna; Lamb Sisters; Jerry Derr, tenor; Gail Bandell, Clarence Clausen.
WRC, Washington, D. C. (468.5m-640kc), 5 p. m., U. S. Marine band; 6 30, U. S. Army band; 7 30, WEAF, 8 30, WEAF.
WRVA, Richmond, Va. (256.3m-1170kc), 8 15 p. m., folk songs with Melodian, 9:15, Melodian and fiddle, 10, organ recital, quartet, Shepherd Webb.
WSAI, Cincinnati, O. (325.9m-920kc), 7 p. m., WEAF; 7 30, WEAF, 10, string quartet.
WSWS, Chicago, Ill. (275m-1090kc), 6-7 p. m., classical program, 8 9, Zola Haynes, Hugh Aspinwall, reader; Georgia Gray; orchestra; Henri Therrien, tenor; 10-11, Jack Goodwin, ballads; 12-1, witching hour.
WTAM, Cleveland, Ohio. (389.4m-770kc), 6:15 p. m., Hotel Cleveland orchestra; 7 30, Davis Saxophone octette from WEAF; 8, Public Auditorium program from Blue room; 11, Jack Horwitz Collegian serenaders from Far East restaurant.
WTIC, Hartford, Conn. (475.9m-630kc), 5 30 p. m., Emil Heimberger's Hotel Band trio; 7:30, Bill Jones Capitol theater orchestra; 8, Travelers Jongleurs and "Unknown Troubadour"; 9, Colt Park Municipal dance orchestra; 9 30, Emil Heimberger's Hotel Bond dance orchestra.
WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7, WEAF; 7 30, Detroit News orchestra; 8, dance program, 9, Detroit News orchestra.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 5 30-6:30 p. m., dinner concert; 8.30-10 30, old time tune night.
KFNF, Shenandoah, Ia. (461.3m-650kc), 7 p. m., concert, Henry Field Seed company.
KMA, Shenandoah, Ia. (461.3m-650kc), 9-11 p. m., deluxe mixed musical program.
KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., Jacquinot Jules; 7, Dr. J. L. Bischof, Alma Rotter, 8 30, KMOX Radio orchestra; 9, song cycle; 9 30-11 30, Varsity Troubadours, KMOX orchestra.
KPRC, Houston, Texas (296.9m-1010kc), 7 30 p. m., Skyline studio concert.
KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9 10 10 30 p. m., Lou Chassy, violinist; 9 30 10, varied program, Meyer Davis stringed quartet.
WAMD, Minneapolis, Minn. (244m-1230kc), 6 p. m., Radisson hotel orchestra; 7 15, classical hour; 10, Gould banjo club, 11, Skyrocket frolic; Golden Gate orchestra, Night Watchman and entertainers.
WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 7 30 p. m., Radio Scouts' hour; 8, services; 9, musical program, Selim Grotto band; Gertrude Lutzi, soprano.
WCOA, Pensacola, Fla. (222m-1350kc), 7-10 p. m., First Baptist church choir; R. McCoy, cornetist; vocal and piano solos, Mrs. A. Pinney, vocal solos, duets, symphony orchestra.
WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., School of the Air, 8 9, popular musical program, Charlie Straight's orchestra, 11 45-1 a. m., Nighthawk frolic.
WHAD, Milwaukee, Wis. (275m-1090kc), 6:10 p. m., Arthur Richter, organist, 11 30, organ.
WHAS, Louisville, Ky. (399.8m-750kc), 7 30-9 p. m., Vaginia Vetter's entertainers.
WHO, Des Moines, Ia. (526m-570kc), 6-7 p. m., Bankers Life Little symphony orchestra; Myrtle Williams, soprano, 7 8, Paul Christiansen's Hotel Fort Des Moines orchestra, 8 8 30, Four Horsemen, 8 30 9, KOIL twins, 9 9 30, Four Horsemen; 9 30-11, dance program.
WOAI, San Antonio, Tex. (394.5m-760kc), 8 30 p. m., Delaware Punch program.
WOC, Davenport, Ia. (483.6m-620kc), 4-4 45 p. m., Bernard Reagan, baritone; Jeanne de Vogeliere; Jack Wolmer, tenor; 7 8 30, WEAF, 9 30-10 30, musical program, Erwin Swindell, organist.
WOS, Jefferson City, Mo. (440.9m-680kc), 8 p. m., Chas. Seggion, songster, WOS quartet.
WSB, Atlanta, Ga. (428.3m-700kc), 10 45 p. m., Peerless entertainers.
WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., dinner concert trio; 8, Mrs. L. L. Gamble, soprano; 10, studio program.
WSUI, Iowa City, Ia. (483.6m-620kc), 8 p. m., musical program.

Mountain Standard Time Stations

KOA, Denver, Colo. (322.4m-930kc), 6 30 p. m., Brown Palace string orchestra; 8 15, football; 8.25, KOA staff members; dramatic sketch, "Behind the Microphones of KOA."

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-7.30 p. m., Westerland trio, 7 30, Nick Harris detective story; 8-9, program, California Petroleum corp.; 9-10, Patrick-Marsh dance orchestra, Betty Patrick, soloist.
KFWB, Hollywood, Calif. (252m-1190kc), 7-8 p. m., program, Corduroy Tire Stores, inc.; 8-9 program, Velvetone corporation; 9-10, varied program; 10-11, Warner Brothers frolic.
KGO, Oakland, Calif. (361.2m-830kc), 6-6 55 p. m., Stanislas Bem's Little symphony orchestra.
KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-9, Bernie Herman and his dance orchestra.
KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7 30 p. m., Uncle John and the children, 8-10, Times de luxe program; 10-11, Jerry Grant and his orchestra.
KLX, Oakland, Calif. (508.2m-590kc), 6:30-7 p. m., Athens Athletic club orchestra; 8-9, educational program; 9-10, special program.
KNX, Hollywood, Calif. (336.9m-890kc), 7-8 p. m., program Security Trust and Savings bank; 8-9, program, Stewart Warner radio dealers; 9-10, feature program, 10-11, studio program; 11-12, Ambassador hotel dance orchestra.
KPO, San Francisco, Calif. (428.3m-700kc), 6 30-7 p. m., States Restaurant orchestra; 7-7 30, Rudy Seiger's Fairmont hotel concert orchestra, 8-9, Atwater Kent artists; 9-10, Clift hotel dance orchestra; 10-11, States Restaurant orchestra.
KTAB, Oakland, Calif. (302.8m-990kc), 8-10 p. m., program.

Thursday, September 2

Headliners Today

Atlantic Eastern Central Mountain Pacific
10 p.m. 9 8 7 6
WLW (422.3m-710kc), Zither players.
10:30 9:30 8:30 7:30 6:30
WFAA (475.9m-630kc), Mexican band.
11 10 9 8 7
KPRC (296.9m-1010kc), Glee club.
WSWS (275.2m-1090kc), "On the Streets of New York."
Atlantic Eastern Central Mountain Pacific
12 m. 11 10 9 8
KGO (361.2m-830kc), Valencia trio.
1 a.m. 12 11 10 9
WBAP (475.9m-630kc), Novelty Mandolin and guitar program.
2 1 12 11 10
KFI (467m-642kc), Azure Music club.

Thursday, silent night for: CKNC, CNRA, CNRE, CNRO, CNRR, CNRT, CNRV, CNRW, KFAB, KFH, KFOA, KFUO, KMOX, KOA, KOB, WAHG, WAMD, WCAP, WEAO, WEBJ, WGBF, WHAD, WMAK, WOOD, WOR, WOS, WSM, WSUI, WTAM.

DANCING

Central Time

Saturday
10, Kfwa, Kfwa, Koa, Kpo, Weaf, Wgn, Wjaz, Wjr, Whn, Wmca, Wnyc, Wor, Wqj, Wreo, Wtam; 10 05, [illegible]; 10 30, Wamd; [illegible], Wls; 11, Kfwb, Webh, Wfaa, Wsba, [illegible], Wor; 11 45, Wdaf, 12, Kgo, Kgw, Knx, Wsb, Wjaz, Wjjd.

Monday
10, Kthe, Wsbu, Weep, Wor, Who, Wtag, 10 15, Wor, 10:3, Weep, Whn; 11, Kgw, [illegible], Wsbu, Wcco, [illegible], Who, Wdaf, 12, Kgo, Kpo.

Tuesday
10 15, Kths, 10 30, Kths, Whn, 10, Wsb, 11, Kgw, Kol, [illegible], Whn, Wjaz, [illegible], Wdaf, 12, Kgw, Kfi, Knx, Kgo, Wdaf, Wsb, 1, Wjjd.

Wednesday
10, [illegible], Whn; 11, Kgo, Kpo, Webh, Wsb, Wsr, Whn, Whn, Wdaf, 12, Kpo, Wjaz, Wjjd.

Thursday
10, Kfi, Weep, Weaf, Wsbu, [illegible], Wqj, [illegible], Webh, [illegible], 11 55, [illegible], 12, Kgo, Khj, Knx, Kpo, Wjjd.

Friday
8, Wor, [illegible], Webh, Weaf, [illegible], Wamd, [illegible], Wsox, Kpo, Kths, [illegible], Wsb, Whn, Wjjd, Weep.

Atlantic or Eastern Daylight Saving Time Stations

CFCA, Toronto, Can. (356.9m-840kc), 10 p. m., musical program.
CKNC, Toronto, Can. (356.9m-840kc), 8 p. m., Charles E. Bailey and his dance orchestra; Eveready male quartet.
WCAU, Philadelphia, Pa. (277.6m-1080kc), 6 30 p. m., Cathay dance orchestra; 7 30, Snellenburg symphony orchestra, 8, recital; 8 15, Saddler's Plantation serenaders; 8 45, Getz Go-Getters; 9, The Unknown tenor; 9 30, Musical Chest; 9 45, Professor Doolittle; 10, Carolyn Thomas, soprano; 10 30, Myers' Musical Architects.
WEAF, New York, N. Y. (491.5m-610kc), 6 p. m., dinner music; 7, mid-week hymn sing; 7 30, Meyer Davis orchestra, 8, Serenaders, WEEI, WFI, WOC, WSAI, WWJ, WGR, WTAM, WCAE, 9, orchestra concert, Estelle Waterman, contralto, WEEI, WFI, WOC, WSAI, WWJ, WGR, WTAM, 10, Cliquot Club Eskimos, WEEI, WJAR, WTAG, WFI, WCAE, WSAI, WTAM, WGR, WWJ, WOC, WCCO, KSD, WGN, 11, Silvertown Cord orchestra, WEEI, WFI, WCAE, WWJ, WGR, WOC, WCCO, WTAG, KSD, WSAI, WJAR, WGN, WADC, WCSH, 11-12, Greenwich Village Inn orchestra.
WEEI, Boston, Mass. (348.6m-860kc), 8-11 p. m., WEAF.
WFI, Philadelphia, Pa. (394.5m-760kc), 6 [illegible] p. m., Adelphia Roof Garden orchestra, 8, The Serenaders, 9, Estelle Waterman, contralto, orchestra concert, 10, WEAF, 11, WEAF.
WHN, New York, N. Y. (361.2m-830kc), 7-7 30 p. m., Junior Order night, 7, baritone; 8 30-9, theater overture, vaudeville; 11 30-12, Cotton Club orchestra.
WIP, Philadelphia, Pa. (508.2m-590kc), 6 05 p. m., Benjamin Franklin concert orchestra, 8, concert, Sesqui Centennial exposition, 9, Hotel Traymore concert orchestra; 9 [illegible], Hotel Ambassador concert orchestra; 10, Steeplechase Pier dance orchestra; 10 30, George Olson's Music, 11, Fry's dance orchestra; 11 30, Silver Slipper Supper club revue; 12, organ recital, Jean Wiener.
WJAR, Providence, R. I. (485.1m-618kc), 8.30 p. m., musical program; 9, WEAF; 10, WEAF.
WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Hotel Madison concert orchestra; 8, Voice of the Silent drama; 8 30, WRC; 9 30, Royal Typewriter Salon orchestra, WGY, WRC; 10.30, Fireside Boys, WRC, WBZ.
WLIT, Philadelphia, Pa. (394.5m-760kc), 7:30 p. m., Benjamin Franklin concert orchestra.
WMCA, New York, N. Y. (340.7m-880kc), 7 p. m., Monte Carlo by the Sea orchestra; 8, Roemers Homers; 9, Solow soloists; 9 30, Columbia Park entertainers; 11, Hotel McAlpin orchestra; 12, Broadway night.
WNYC, New York, N. Y. (526m-570kc), 7 p. m., piano selections; 8, band concert Prospect park.
WOO, Philadelphia, Pa. (508.2m-590kc), 7.30 p. m., Sylvania dinner dance orchestra.
WOR, Newark, N. J. (405.2m-740kc), 6 15 p. m., Jacques Jacobs' Hotel Shelton ensemble; 7, Jacques Jacobs' Hotel Shelton ensemble; 7:45, Oreste's Queensland orchestra; 8 15, Vanderbilt Hotel orchestra; 9, Arthur Pryor's band; 10, Chateau Baltostrol orchestra.

Eastern Standard or Central Daylight Saving Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 5 30 p. m., dinner concert; 8, "We Take You into the Woods," symphony players; 9, concert, symphony players; 10 20, concert, Flotilla club, Etzi Covato and his orchestra.
KYW, Chicago, Ill. (535.4m-560kc), 6 30 p. m., dinner concert, Congress hotel; 8 9, "Twenty Minutes of Good Reading"; 9 10 30, classical program; 10 30-12 midnight, Congress Carnival.
WBAL, Baltimore, Md. (245.8m-1220kc), 6 30-7 30 p. m., dinner orchestra, 7 30 8, mixed quartet, 8-9, WBAL trio; John Wilbourn, tenor; 9-10, dance orchestra.
WBBM, Chicago, Ill. (225.4m-1330kc), 5 15-6 p. m., recital, Eddie Hanson, organist; 8 9 30, classical program; 9 30-10 15, most covered melodies; 10 15-10 30, The Izaak Walton hour; 10 30-11 30, Vic Fredericks, baritone, Maurice Silverman, tenor, and staff artists, 11 30-12, the Supper club.
WBZ, Springfield, Mass. (333.1m-900kc), 6 33 p. m., Hotel Lenox ensemble; 7 30, U. S. Marine band; 8 30, Rollstone male quartet, 9, musical program, 9 30, Fireside boys.
WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., Goldkette ensemble; 8 10, Schmeman band.
WEBH, Chicago, Ill. (370.2m-810kc), 7 8 p. m., harp recital, Edward Vito, orchestra; F. Engelwa, pianist; 9 9 15, Edgewater Beach hotel orchestra; songs, Carl's Hotsary, ensemble, 11-12 30 a. m., dance music, guitar solos, Hiles and Johnson, songs, Rita McLane, Six syncopators.
WGHB, Clearwater, Fla. (266m-1130kc), 7-30-8 30 p. m., dinner music.
WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert, 10-11, WGHP Frolickers, 11-12, Sky lark dance band.
WGN, Chicago, Ill. (302.8m-990kc), 6 45-7 p. m., request program, 8 9, WEAF, 10 10, WEAF, 10 10, Sam 'n' Henry, 10 10-10 20, Music Box, 10 20-10 30, Great Moments from Grand Opera, 10 30-11, WGN studio ensemble.
WGY, Schenectady, N. Y. (379.5m-790kc), 6 45 p. m., [illegible]; 7 30, Marine band; 8 30, WJZ, 9 30, WGY orchestra, Frederick Chinnick, cornetist, 10 30-11 30, organ recital, Stephen Boisclair.
WHT, Chicago, Ill. (399.8m-750kc), 7 8 30 p. m., Al Carney, organist; 8 45 (238m-1260kc), Helen Rauh, organist, Stuart Dawson, pianist, 10 30-1 (399.8m-750kc), Al Carney, organist, Billy Alan Huff, popular songs, Little Joe Warner, character songs; Al and Pat.
WJAZ, Chicago, Ill. (329.5m-910kc), 9-12 m.d., Chez Pierre orchestra, Henrietta Sloan, violinist, George Peterson, baritone; Jacob Hannemann, pianist.
WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Goldkette's Petite symphony orchestra, soloists; 7 30, Ide and Megginnity, entertainers; 8, concert.
WLIB, Chicago, Ill. (302.8m-990kc), 7 7 05 p. m., Milton sing, 7 05-7 15, Old-Fashioned Almanack, 7 15-8, Drake concert ensemble, Blackstone string quintet, 11 11 20, Correll and Gosden, 11 20-1 a. m., Liberty studio ensemble, Ambrose Larsen, organist, Bobby Meeker's Drake hotel dance orchestra; Fred Hamm's orchestra.
WLS, Chicago, Ill. (344.6m-870kc), 7 20 p. m., Rose Sherman, violinist, Marie Ludwig, harpist; 7 30, organ concert, Ralph Emerson; 8, Surprise time; 8 10, Maurie Sherman's College Inn orchestra; 8 20, Ford and Glenn, 8 30, Donald Malin "Music Moods"; 8 50, Ford and Glenn.
WLW, Cincinnati, O. (422.3m-710kc), 7 p. m., Robert Visconti's orchestra, 7 40, orchestra, 8, Salvation army band, 9, Cincinnati Zither players, Herman Maurer, Bardonion player, 10, Castle Farmers, 10 20, Al Kirchner and "Pep" Golden, 10 40, Irene Downing and Tommy Reynolds; 12 15 a. m., Crosley Pups.
WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Jack Chapman's orchestra; 6 50, orchestra, 8 30, Frederick Frederickson, violinist; 9, WMAQ players.
WOK, Chicago, Ill. (217.3m-1380kc), 6 8 p. m., Tip Top Inn string ensemble concert, 8-12, Capitol theater organ, Katz and his Kittens' orchestra, Midway Garden orchestra, Tearney's Town club orchestra; Capitol theater program.
WORD, Batavia, Ill. (275.1m-1090kc), 8 p. m., musical Program, 9, musical program.
WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Gardens orchestra; Thora Martens, contralto; Robert Wessling, baritone; Earle Raymond Bigelow, pianist, 10-2, Rainbo Gardens orchestra; Sophia Kasmir, Lamb Sisters; Sylvian Four, Goldie Gordon.
WRC, Washington, D. C. (468.5m-640kc), 7:30 p. m., U. S. Marine band, WJZ, WGY; 9-10, WJZ; 10, Hotel Mayflower orchestra.
WRVA, Richmond, Va. (256.3m-1170kc), 8 45-12:45 p. m., Suffolk night.
WSAI, Cincinnati, O. (325.9m-920kc), 6.45 p. m., chime concert, 7 10 p. m., WEAF.
WSWS, Chicago, Ill. (275m-1090kc), 7-8 p. m., Henri Therrien, Oscar Heather, orchestra; 10-11, "On the Streets of New York," John Clark production; 12-1, witching hour.
WTAM, Cleveland, Ohio (389.4m-770kc), 6 p. m., Hollenden Hotel orchestra; 7 30, Studio orchestra from WEAF; 8, Cliquot Club eskimos from WEAF, 9, studio program, 11, Emerson Gill and his Bamboo Garden orchestra.
WTIC, Hartford, Conn. (475.9m-630kc), 7 p. m., popular period, 7:30, James Butler, banjoist; 8, Toronto Melody Makers and Manchester quartet; 9, Colt Park Municipal dance orchestra, 9 30, Emil Heimberger's Hotel Bond dance orchestra.
WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert, 7, WEAF.

Central Standard Time Stations

KFNF, Shenandoah, Iowa (461.3m-650kc), 7 p. m., program, Villisca, Iowa.
KLDS, Independence, Mo. (440.9m-680kc), 8 p. m., Hazel Scott, organist, Allen McDougal, baritone; Mildred Clark, soprano.
KOIL, Council Bluffs, Iowa (305.9m-980kc), 6 05 p. m., Virginia Mulholland, harpist, 7, Nelson Painters, 8, Schmoller and Mueller Piano company, 11, Lyric serenaders.
KPRC, Houston, Texas (296.9m-1010kc), 7 30 p. m., Claude Blanchard's dance orchestra, 9, Southern Pacific Lines glee club.
KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9 10-9 45 p. m., opera classics, New Arlington hotel orchestra, 9 45-10, organ solos, Lawson Reid.
KWWG, Brownsville, Tex. (278m-1080kc), 8 30 p. m., program, representatives Valley Towns; 9, W. W. 30, E. P. Barnes, Texas, 9 45-11, Doris Bartlett, pianist; 9 15-9 30, Kathryn Buckner, soprano, 9 30-9 45, Spanish songs, Manuel Calzo; 12 01, dance program.
WAMD, Minneapolis, Minn. (244m-1230kc), 6 p. m., Radisson hotel orchestra, 10, organ recital.
WBAP, Ft. Worth, Tex. (475.9m-630kc), 7 30-8 30 p. m., musical program, Jessie Street; 9 30-11, entertainers, 11, novelty mandolin and guitar program, Southern Melody Boys.
WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 7 p. m., WEAF.
WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., School of the Air, 11 45-1 a. m., Nighthawk frolic; Charlie Straight's Brunswick orchestra, Earl Coleman's orchestra, Ken Widener, organist.
WFAA, Dallas, Texas (475.9m-630kc), 6 30-7 30 p. m., Jimmy Joy's Baker hotel orchestra; 8.30-9 30, Banuelos' Mexican band.
WHAD, Milwaukee, Wis. (275m-1090kc), 6 10 p. m., Hotel Wisconsin Badger room orchestra; 8:30, talk, Rambler.
WHAS, Louisville, Ky. (399.8m-750kc), 7 30-9 p. m., studio concert.
WHO, Des Moines, Iowa (526m-570kc), 7 30-8 p. m., Philbreck and his Younker tea room orchestra; 8-9, Bankers Life trio.
WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., vocal concert, Hugh Sandidge.
WOAI, San Antonio, Tex. (394.5m-760kc), 8:30 p. m., Mistletoe Melody Maids.
WOAW, Omaha, Nebr. (526m-570kc), 6 50 p. m., orchestra; 9, classical.
WOC, Davenport, Iowa (483.6m-620kc), 5:45-6 p. m., chimes concert; 6 30 9, WEAF; 9-9 30, Moline Plowboys.
WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., concert; 10 45, Bohemian orchestra.

Mountain Standard Time Stations

KOA, Denver, Colo. (322.4m-930kc), 6 30 p. m., Brown Palace string orchestra.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Radio Boys' dance orchestra, [illegible] O'Hara, soloist. 8-9, KFI drama hour, 9 10, Chas. Dimond, steel guitar; 10-11, Azure Music club.
KFWB, Hollywood, Calif. (252m-1190kc), 8-9 p. m., Program, McGavin Brothers Bakeries; 9-10, program, Chapman's Ice Cream, 10 11, Warner Brothers frolic.
KGO, Oakland, Calif. (361.2m-830kc), 6 6 55 p. m., Bem's Little symphony orchestra; 8-9, Radiana Pagnini, mezzo contralto, Valencia trio; 9-12, Phil Lampkin's Musical Hearts.
KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert, 9 10, vaudeville.
KHJ, Los Angeles, Calif. (405.2m-740kc), 6 30-7:30 p. m., children's hour, Uncle John; 8-10, Zoellner string quartet, Harriet Andrews, soprano; 10-11, Marigold Gardens dance orchestra.
KNX, Hollywood, Calif. (336.9m-890kc), 7-8 p. m., Carthay Circle theater organ, 8 9, program, Rigall & Voelsch, 9 11, feature program; 11-12, Ambassador hotel dance orchestra.
KPO, San Francisco, Calif. (428.3m-700kc), 6 30-7 p. m., States Restaurant orchestra; 7-7 30, Rudy Seiger's Fairmont hotel orchestra; 8-9, studio program, 9 10, studio program; 10-11, Mandarin cafe dance orchestra.
KPSN, Pasadena, Calif. (315.6m-950kc), 8-9 p. m., musical program.
KTAB, Oakland, Calif. (302.8m-990kc), 8-10 p. m., KTAB quartet.

Friday, September 3

Headliners Today

Atlantic Eastern Central Mountain Pacific
8:15 p.m. 7:15 6:15 5:15 4:15
WGY (379.5m-790kc), Comedy, "Tenants."
8:45 8:45 7:45 6:45 5:45
WTIC (475.9m-630kc), Choral club.
10 9 8 7 6
WSM (282.8m-1060kc), Violin recital.
10:20 9:20 8:20 7:20 6:20
WOS (440.9m-680kc), Old Fiddling champion.
11 10 9 8 7
KMA (461.3m-650kc), Ray-O-Vac twins.
11:25 10:25 9:25 8:25 7:25
KOA (322.4m-930kc), Music the whole world loves.
11:30 10:30 9:30 8:30 7:30
KMOX (280.2m-1070kc), Scotch program.

Friday, silent night for: CFAC, CKAC, CKNC, CKY, CNRC, CNRM, CNRO, CNRR, CNRW, KFXF, KLDS, KPRC, KPSN, KWWG, WBBR, WCAD, WCBD, WGBS, WIP, WJAZ, WKRC, WLIT, WLW, WLWL, WOR, WRC, WREO, WRVA, WSAI, WSMB, WSUI, WTAM.

Atlantic or Eastern Daylight Saving Time Stations

WAHG, Richmond Hill, N. Y. (315.6m-950kc), 8 p. m., [illegible] hour, Nickels instrumental trio; Hazel Clark, soprano, 9, Gondoliers, 9 30, Montclair Harmony Four; 10, Duke Donaldson's orchestra.

KMOX PLAYERS GIVE "NIGHT HERD"

WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30 p. m., Snellenburg instrumental trio; 8, Barry O'Moore, Irish tenor; 8:30, Singing Groundhog; 8:45, Miss Bambino, piano accordion; 9, Regina Crooners; 9:15, Virginia Klein, pianist; 9:45, Archie Lloyd, songs; 10, Myers Musical Architects.

WEAF, New York, N. Y. (491.5m-610kc), 6 p. m., dinner music; 7, Meyer Davis' Park Lane orchestra; 7:30, Ruby Smith Stahl, soprano; 8, Milton Rittenberg, pianist; 8:30, Wandering minstrels, WCAE; 9, La France orchestra, WEEI, WGR, WOO; 9:30, Daniel Scherer, violinist; 9:45, Leon Salathiel, bass; 10, Whittall Anglo-Persians, WEEI, WRC, WTAG, WJAR, WCAE, WOO, WOC, WDAF, WCCO, WWJ, KSD, WTAM, WCSH, WGN; 10:30, Jack Albin and his orchestra; 11-12, Pelham Heath Inn orchestra.

WEBJ, New York, N. Y. (272.6m-1100kc), 7 p. m., Ormond Aces; 7:30, Luna's Knickerbocker Grill orchestra; 8, Milton Yokemah, tenor; 8:15, Jack Gall, pianist; 8:30, Luna's Marine band.

WEEI, Boston, Mass. (348.6m-860kc), 7:30 p. m., Whiting's Four Merry Milkmen; 8, musicale; 8:30, Neapolitan girls' quintet; 9, WEAF; 9:30, Lyric Four; 10, WEAF; 10:30, Ed Andrews Nautical dance orchestra.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:45 p. m., Adelphia Roof Garden orchestra.

WHN, New York, N. Y. (361.2m-830kc), 8-8:30 p. m., Treasureland Home Owners ensemble; 9-9:30, Loew's Coney Island theater orchestra; 9:30-11, Coney Island Stadium Bouts; 11-11:30, Strand Roof orchestra; 11:30-12, Roseland dance orchestra; 12-12:30, Silver Slipper orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra.

WJAR, Providence, R. I. (485.1m-618kc), 8:35 p. m., musicale; 10, WEAF.

WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., George Olsen's Pennsylvania hotel orchestra; 9, Sundial Shoe serenaders, Bonnie Laddies; 10:30, Hotel Bellevcaire Tower orchestra.

WLIT, Philadelphia, Pa. (394.5m-760kc), 8 p. m., recital; 8:15, Pioneer Storage Battery Radio hour; 9, Schickerling hour; 10, Morning Glory club concert; Arcadia cafe dance orchestra; 11, Freshman Masterpiece hour.

WMAK, Buffalo, N. Y. (265.3m-1130kc), 7:30-8:05 p. m., WGY orchestra; 8:15-10:30, WGY players.

WMCA, New York, N. Y. (340.7m-880kc), 6:30 p. m., McAlpin orchestra; 7:30, Monte Carlo by the Sea orchestra; 8, Midland Beach orchestra; 8:45, Broadway Association orchestra; 9, Paul Whiteman's Picadilly orchestra; 9:30, Klein's serenading shoemakers; 11, Jack Denny's orchestra; 11:30, Club Brighton orchestra; 12, McAlpin orchestra.

WNYC, New York, N. Y. (526m-570kc), 6 p. m., piano selections.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Sylvania dinner dance orchestra; 8, WOO orchestra; 9, WEAF; 9:30, Fox theater program; 10, WEAF; 10:30, Sam Brown's orchestra.

WOR, Newark, N. J. (405.2m-740kc), 6:35 p. m., Hotel Bretton Hall string quartet; 7, Hotel Bretton Hall string quartet; 7:30, Crystal Palace; 8:30, Donald H. Baker, organist; 10:15, Ritz-Carlton dance orchestra.

Eastern Standard or Central Daylight Saving Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 5:30 p. m., dinner concert, Joe McCarthy's orchestra; 8, "Songs of Seven," Marjorie Stewart.

KYW, Chicago, Ill. (535.4m-560kc), 8 p. m., Federal Master artists; 10:30-12 midnight, Congress carnival.

WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., dinner orchestra; 7:30-8, jubilee singers; 8-9, musical program; Bessie Tamres, soprano; Elmer Bernhardt, baritone; Marian Smith, pianist; 9-10, Municipal band.

WBBM, Chicago, Ill. (225.4m-1330kc), 5:15-6 p. m., Eddie Hanson, organist; 9-10, Harmony Time and staff artists.

WBZ, Springfield, Mass. (333.1m-900kc), 6:33 p. m., Hotel Kimball trio, Bob Patterson; 8, musical program; 9, musical program; 9:30, Hotel Brunswick orchestra.

WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., Goldkette ensemble; 8-10, Schmeman band; 10, dance music.

WEBH, Chicago, Ill. (370.2m-810kc), 7-8 p. m., dinner concert; songs, Edgar Scott; 9-9:45, Edgewater Beach hotel orchestra; selections, specialties; 11-12:30 a. m., dance music; harp trio.

WGHB, Clearwater, Fla. (266m-1130kc), 8:30-10 p. m., pipe organ, Dr. D. A. Dunseith; Frederick Hubbard, organist; Mrs. Ethel Morand Weber, soprano; Mrs. Maude Sheridan, contralto; Mrs. F. S. Barrett, violinist.

WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert, Hotel Tuller; 8, children's half hour, Uncle H. C. B. and Music Lady; 9:30-10, string soloists, Frederick Stearns and company; 10-11, WGHP entertainers; 11-12, Skylark dance band.

WGN, Chicago, Ill. (302.8m-990kc), 6:45-7 p. m., request program, Drake concert ensemble, Blackstone string quintet; 7:15-8, Paul Ash's orchestra; 8-8:30, musical program; 8:30-9, Curfew Capers; 9-9:30, WEAF; 9:30-10, Phantom violin; 10-10:10, Sam 'n' Henry; 10:10-10:22, Music Box; 10:22-11, WGN studio ensemble.

WGY, Schenectady, N. Y. (379.5m-790kc), 6:35 p. m., WGY orchestra; 7:15, comedy, "Tenants"; 9:30, WGY orchestra.

WHT, Chicago, Ill. (399.8m-750kc), 7-8:30 p. m., Al Carney, organist; Pat Barnes; 8:45-10:15 (238m-1260kc), Helen Rauh, organist; Stuart Dawson, poems; 10-1 (399.8m-750kc), Al Carney, organist; Rita McFaun, soprano; Oscar Heather, tenor; Rita McFaun, soprano; Al and Pat.

WJAZ, Chicago, Ill. (329.5m-910kc), 9-12 mid., Chez Pierre orchestra; Walter Lewis, baritone; Eulalie Kolur, pianist.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Goldkette's Petite symphony orchestra, soloists; 7:30, Grennan "Protectors"; 8, concert.

WLIB, Chicago, Ill. (302.8m-990kc), 11-11:20 p. m., Correll and Gosden; 11:20-1 a. m., Liberty studio ensemble; Drake hotel dance orchestra; Fred Hamm's orchestra.

WLS, Chicago, Ill. (344.6m-870kc), 6:30 p. m., Al Melgard, organist; 6:45, Maurie Sherman's College Inn orchestra; 7:20, Rose Sherman, violinist; Marie Ludwig, harpist; 7:30, organ concert, Ralph Emerson; 8, Surprise time, orchestra, Ford and Glenn; 9:30, Helen Freund, soprano; Herbert Kirschner, violinist; 10:30, Medicine show; 11, Ralph Emerson, organist.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:50, Wide-Awake club; 8, George Simons, tenor; 8:30, Whitney trio; 9, Mae Graves Atkins, soprano; 9:30, Jack Chapman's orchestra.

WOK, Chicago, Ill. (217.3m-1380kc), 6-8 p. m., Tip Top Inn string ensemble concert; 8-12, Capitol theater organ; Katz and his Kittens' orchestra; Midway Garden orchestra; Tearney's Town club orchestra; Capitol theater program.

WORD, Batavia, Ill. (275.1m-1090kc), 8 p. m., musical program; 9, musicale.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., dinner concert; 10-2, Sophia Kasmir; Dr. H. Lucille Long, woman harmonica player; Muriel Olsen, blues singer; Harry Brooker, baritone.

WRC, Washington, D. C. (468.5m-640kc), 7 p. m., Wardman Park trio; 8, WJZ; 9, WEAF; 10, Arlington Beach dance orchestra; 9, WEAF.

WRVA, Richmond, Va. (256.3m-1170kc), 9:30 p. m., 12:30 a. m., Edgeworth Party night, dance music.

WSWS, Chicago, Ill. (275m-1090kc), 6-7 p. m., classical program; 8-9, Henri Therrien, Hugh Aspinwall; Zola Haynes; Terrace Garden orchestra; 12-1, Witching hour.

WTAM, Cleveland, Ohio (389.4m-770kc), 6:30 p. m., Emerson Gill and his Bamboo Garden orchestra; 8, Frank R. Wilson's Euclid beach park orchestra; 9, Whitall's Anglo Persians from WEAF; 9:30, studio program; 11, Jack Horwitz Collegian serenaders from Far East restaurant.

WTIC, Hartford, Conn. (475.9m-630kc), 7 p. m., piano recital, Laura Gaudet; 7:15, Fiddle an' Bee; 7:30, Travelers Recreation Grounds orchestra; 8:30, Charles Scanlon, tenor; 8:45, Clinton Community choral club; 9:30, WTIC's Mail Bag; 9:45, The "Debutants" period.

WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 8, Detroit News orchestra; 9, WEAF.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 8:30-10:30 p. m., Cowbell boys, Beck's orchestra.

KFDM, Beaumont, Tex. (315.6m-950kc), 8-10 p. m., Refinery band.

KFNF, Shenandoah, Iowa (461.3m-650kc), 7 p. m., half hour; 7:30, Glenwood, Iowa, program.

KMA, Shenandoah, Iowa (461.3m-650kc), 9-11 p. m., Ray-O-Vac twins.

KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., Jacquinot Jules, organist; 7, KMOX Radio orchestra; 8, Colonel 6121; 9, Do Re Mi Double quartet; 9:30, Scotch program, Caledonian society; 10, KMOX Radio orchestra.

KOIL, Council Bluffs, Iowa (305.9m-980kc), 6:03 p. m., studio program; 6:30, Mona Motor Oil entertainers; 7:30, Paramount program, Dorothy Steinbaugh; 8:30, Jack and Jill.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10-9:50 p. m., vocal solos, Clyde Foley; saxophone solos, Charles Garden; New Arlington hotel orchestra; 9:50-10:30, Ray Mullins and his dance orchestra.

WAMD, Minneapolis, Minn. (244m-1230kc), 6 p. m., Radisson hotel orchestra; 7:15, WAMD opera company.

WBAP, Ft. Worth, Texas (475.9m-630kc), 7:30-8:30 p. m., Panther Hawaiian trio; 9:40-11, concert, Artie Collins' dance orchestra; 11-12, Velma Dean, soloist, popular song hits; Aylene Hoffman, pianist.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6:15 p. m., dinner concert; 8, WEAF; 8:30, Twin City string quartet; 8:30, Corinne Bowen, soprano; 10:05, Emmet Long's Nankin cafe orchestra; George Getsey, baritone.

WCOA, Pensacola, Fla. (222m-1350kc), 7-10 p. m., Glenna Strickland, pianologist; Viscuso trio, accordion and guitar selections; Mrs. R. Brockett, vocalist; Elizabeth Moreno, pianist; John Frenkel.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., School of the Air; 8-8:30, WEAF; 8:30-9:15, program, Ada Parish; 11:45-1 a. m., Nighthawk frolic; Charlie Straight's Brunswick recording orchestra; Ted Meyn, organist; Earl Coleman's orchestra.

WFAA, Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m., Sam Van Dyne and the "Four Hoarsemen"; 8:30-9:30, Mrs. A. Smith, soprano; Mrs. Howard Parks, contralto.

WGBF, Evansville, Ind. (236.1m-1270kc), 7 p. m., "Lincoln and Ford" orchestra; 8:10, musical program.

WHAD, Milwaukee, Wis. (275m-1090kc), 6:10 p. m., Arthur Richter, organist.

WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., studio concert.

WHO, Des Moines, Iowa (526m-570kc), 7:30-8 p. m., Philbreck and his Younker tea-room orchestra; 8-9, Mrs. Robert Evans, soprano; Victor Kephart, silver stringed guitarist; Kathryn Torey, pianist.

WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Hotel Gayoso orchestra; 11, organ recital, Harry O. Nichols.

WOAI, San Antonio, Tex. (394.5m-760kc), 8:30 p. m., San Antonio College of Music program.

WOAW, Omaha, Nebr. (526m-570kc), 6:50 p. m., orchestra; 9, Red Feather program; Angelo Lupo's dance orchestra, soloists.

WOC, Davenport, Iowa (483.6m-620kc), 5:45-6 p. m., chimes concert; 8-8:30, WEAF; 8:30-9:30, musical program; Louis Crowder, organist; Robert Lynch, baritone; Mrs. Frank Rehling, soprano.

WOS, Jefferson City, Mo. (440.9m-680kc), 8:20 p. m., Daniel Boone Jones, fiddler.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., concert; 10:45, Charles A. Sheldon, organist.

WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., Andrew Jackson hotel trio; 8, Professor Vratislav Mudroch, Bohemian violinist; Robert Provine, pianist; 10, studio program; 10:30, pipe organ concert, Arthur Henkel.

Mountain Standard Time Stations

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra; 8, KOA orchestra; 8:25, works of Ethelbert Nevin; KOA orchestra.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-7:30 p. m., popular hour; 7:30-8, Felipe Delgado's media hora Espanola; 8-9, Aeolian organ; 9-10, classical hour; 10-11, Packard ballad hour.

KFWB, Hollywood, Calif. (252m-1190kc), 8-9 p. m., program, Bert Farrar, Inc.; 9-10, Bill Hatch and his orchestra; 10-11, Warner Brothers frolic.

KGO, Oakland, Calif. (361.2m-830kc), 6-6:55 p. m., Bem's Little symphony orchestra.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert.

KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., children's hour, Uncle John; 8-10, Tower studio varied musical program.

KLX, Oakland, Calif. (508.2m-590kc), 8-9:45 p. m., Western Auto Supply company; 9:45-10:30, orchestra.

KNX, Hollywood, Calif. (336.9m-890kc), 7-8 p. m., feature program; 8-9, program, Frank Meline Company; 9-10, Order of Optimistic Donuts; 10-11, program, Dickenson and Gillespie; 11-12, Ambassador hotel dance orchestra.

KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7 p. m., States Restaurant orchestra; 8-9, studio program; 9-10, Palace Hotel Rose Room dance orchestra; 9:10-9:20, book review; 10-11, States Restaurant orchestra.

KTAB, Oakland, Calif. (302.8m-990kc), 8-10 p. m., program.

Saturday, September 4

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
9 p.m.	8	7	6	5

WMAQ (447.5m-670kc), Musical Potpourri.

10	9	8	7	6

WEAF (491.5m-610kc), Musical comedy hits.

11	10	9	8	7

KMOX (280.2m-1070kc), "The Night Herd," drama.

KMA (461.3m-650kc), Ray-O-Vac twins.

WOC (483.6m-620kc), Naval Reserve band.

12 m.	11	10	9	8

KHJ (405.2m-740kc), Hawaiian quintet.

1 a.m.	12 m	11	10	9

KFNF (461.3m-650kc), Old Time Music.

Saturday, silent night for CNRA, CNRC, CNRE, CNRM, CNRR, CNRT, CNRV, CNRW, KFKX, KFUO, KFXF, KMA, KTAB, KWWG, WBAL, WCAL, WCAU, WCBD, WCX, WEBJ, WEEI, WFI, WGBF, WGCP, WGHP, WHA, WHAD, WHN, WHO, WJAR, WLIT, WLWL, WOO, WOS, WRVA, WTAG, WTIC, WWJ.

Atlantic or Eastern Daylight Saving Time Stations

CFCA, Toronto, Can. (356.9m-840kc), 8:30 p. m., musical program.

WEAF, New York, N. Y. (491.5m-610kc), 6 p. m., dinner music; 7, Al Lentz' Hofbrau orchestra; 7:30, Ben Gordon, tenor; 7:45, Camille Monta Perto, pianist; 8, Savoy orchestra; 9, comedy hits, WEAF Musical Comedy troupe; 10, Ben Bernie's orchestra; 11-12, Rolfe's Palais D'Or orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 8:15, recital, Marine studio; 8:30, Hotel Shelburne orchestra; 9, Hotel Traymore concert orchestra; 9:30, Emmet Welch's minstrels; 10:15, George Olson's music; 10:45, Ted Weems Novelty dance orchestra; 11:05, organ recital, Germantown theater.

WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Waldorf Astoria Roof orchestra; 10:30, Hotel Astor Roof orchestra.

WMAK, Buffalo, N. Y. (265.3m-1130kc), 7:30-8:30 p. m., Shea's Buffalo theater program.

WMCA, New York, N. Y. (340.7m-880kc), 7:30 p. m., Monte Carlo by the Sea orchestra; 11, Ernie Golden and his Hotel McAlpin orchestra; 12, McAlpin entertainers.

WNYC, New York, N. Y. (526m-570kc), 7:20 p. m., piano selections; 8:30, band concert, Central park.

WOR, Newark, N. J. (405.2m-740kc), 6:15 p. m., Jacques Jacobs' Hotel Shelton ensemble; 7, Jacques Jacobs' Hotel Shelton ensemble; 7:30, Chateau Baltusrol; 8, Hotel Bretton Hall string quartet; 8:30, Arthur Pryor's Band; 9:15, Casino orchestra; 9:45, Berkeley-Carteret orchestra; 10:15, special feature; 10:30, Monterey society orchestra; 11:15, Ben Bernie's Berkeley-Carteret orchestra.

Eastern Standard or Central Daylight Saving Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 5:30 p. m., dinner concert, Flotilla club; 8, concert from the Willows.

KYW, Chicago, Ill. (535.4m-560kc), 7 p. m., music hour; 8, KYW's Congress hotel studio; 9-10:30, classical concert; 10:30-12 midnight, Congress carnival; Benson orchestra.

PWX, Havana, Cuba (400m-750kc), 8:30-11 p. m., Typical Cuban concert.

WBBM, Chicago, Ill. (225.4m-1330kc), 5:15-6 p. m., Eddie Hanson, organist; 8-9:30, Harmony time and staff artists; 9:30-10, Moss covered melodies; 10-11:30, Variety hour, staff artists; 11:30-12:30, Supper club; 12:30-2 a. m.; Pacific Coast Special.

WBZ, Springfield, Mass. (333.1m-900kc), 6 p. m., Capitol theater; 8, organ recital, Rupert Sircom, Harvard club; 8:30, Krulee's orchestra; 9, musical program.

WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., Goldkette ensemble; 8-10, Schmeman band.

WEBH, Chicago, Ill. (370.2m-810kc), 7-8 p. m., Sunday School lesson; dinner concert, Edgewater Beach orchestra; songs, Florence Behrend; string quartet; 9-9:45, dance music; vocal, instrumental selections; 11-12, dance music, quartet; Carl Linner, pianist; 1-2 a. m., dance music, specialties.

WGN, Chicago, Ill. (302.8m-990kc), 6:35-7 p. m., dinner music, Drake concert ensemble; Blackstone string quintet; 8:10-8:20, Drake concert ensemble; 8:20-8:30, Correll and Gosden; 8:30-9, Fred Hamm and his orchestra; 9-9:30, light opera period; 9:30-10, musical program; 10-10:10, Sam 'n' Henry; 10:10-10:22, Music Box; 10:22-11, WGN studio ensemble.

WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., Shea's Buffalo theater; 9:30, dance program.

WHT, Chicago, Ill. (399.8m-750kc), 7-8:30 p. m., Al Carney, organist; Eleanor Gilmour, soprano; 8:45-10:15 (238m-1260kc), Helen Rauh, organist; Stuart Dawson, poems; 10:30-1, (399.8m-750kc), Pat Barnes, Al Carney; John Norton, harmonica soloist; Al and Pat.

WJAZ, Chicago, Ill. (329.5m-910kc), 9-1 a. m., Earl Hoffman's Chez Pierre orchestra; Max Siegel, tenor; Avery McIntyre, pianist; Elmer Winthrop, baritone; Chez Pierre Hawaiian quartet.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Goldkette's Petite symphony orchestra, soloists; 7:30, Lagoona Gondoliers; 8, concert; 11:30, Merry Old Chief and Jewett Jesters.

WLIB, Chicago, Ill. (302.8m-990kc), 7:05-7:15 p. m., Old-Fashioned Almanack; 7:15-7:30, Drake concert ensemble, Blackstone string quintet; 7:30-8, Drake concert ensemble; Pattison Coates, baritone; 11-11:20, Correll and Gosden; 11:20-1 a. m., Liberty studio ensemble; Ambrose Larsen, organist; Drake hotel dance orchestra; Fred Hamm's orchestra.

WLS, Chicago, Ill. (344.6m-870kc), 6:30 p. m., Al Melgard, organist; 7:15-1 a. m., National barn dance, fiddlers; Journal Surprise time; Sherman's College Inn orchestra; Ford, Glenn and Ralph; Indiana Radio artists talent contest.

WLW, Cincinnati, O. (422.3m-710kc), 7 p. m., organ concert, Johanna Grosse; 7:30, Seckatary Hawkins; 8, Johanna Grosse; 8:30, South Seat Serenaders; 9, Castle Farmers.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Jack Chapman's orchestra; 8, musical potpourri; 9, Chicago theater weekly Radio revue.

WOK, Chicago, Ill. (217.3m-1380kc), 6-8 p. m., Tip Top Inn string ensemble; 8-12, Capitol theater organ; Katz and his Kittens' orchestra; Midway Garden orchestra; Tearney's Town club orchestra; Capitol theater program.

WORD, Batavia, Ill. (275.1m-1090kc), 7 p. m., Webster hotel concert program; 9, studio program.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Gardens orchestra; Webb Holter, tenor; Jennie Navigato, soprano; 10-3, Rainbo Gardens orchestra; Harry Geise; Sophia Kasmir; Lamb Sisters; Jerry Derr; Rosemary Hughes; Arthur Newman, tenor; Joe Warner.

WRC, Washington, D. C. (468.5m-640kc), 7 p. m., Hotel Washington orchestra; 7:30, WJZ; 9:30, WJZ; 10:30, to be announced; 11-12, Otto F. Beck, organist.

WSAI, Cincinnati, O. (325.9m-920kc), 8:30 p. m., sextet; 9:30, popular songs, Lelia LeMar.

WSWS, Chicago, Ill. (275m-1090kc), 6-7 p. m., classical; 8-9, Henri Therrien; orchestra; 10-11, Georgia Gray, violinist; Ned Becker, humorist; 12-1, Witching hour.

WTAM, Cleveland, Ohio. (389.4m-770kc), 6:15 p. m., Hotel Cleveland orchestra; 7:30, studio program; 8, Hollenden Hotel orchestra; 9, vaudeville program from studio; Ev Jones' Merrymakers and assisting entertainers.

WTIC, Hartford, Conn. (475.9m-630kc), 7:30 p. m., Colt Park Municipal dance orchestra.

WWJ, Detroit, Mich. (352.7m-850kc), 7:30 p. m., Goldman band concert.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 8:30-10:30 p. m., Little symphony orchestra.

KFNF, Shenandoah, Ia. (461.3m-650kc), 7 p. m., mixed program; 11, old time music.

KLDS, Independence, Mo. (440.9m-680kc), 8 p. m., studio program.

KMA, Shenandoah, Ia. (461.3m-650kc), 9-11 p. m., Ray-O-Vac twins.

KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., Jacquinot Jules, organist; 7, Little Red Schoolhouse; 8, K. of C. quartet; KMOX Radio orchestra; Porter Brown; 9, "The Night Herd," drama; 9:30, orchestra; 10-11, dansant nuit KMOX Radio orchestra.

Foca Di Leo and his Accordion symphony orchestra have been engaged to broadcast a series of unique concerts at WSOE, Milwaukee. The symphonic effects of this organization equal the tone power and expression of a regular symphony orchestra.

GOLDEN VOICED TENOR AT WRVA

KOIL, Council Bluffs, Ia. (305.9m-980kc), 6:30 p. m., Leo Kearse, pianist; 7:30, Grace Poole Steinberg, soprano; 11, Lyric serenaders.
KPRC, Houston, Texas (296.9m-1010kc), 7:30 p. m, Skyline studios concert; 10, National Advertisers' essay contest prize awards.
KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10-9:45 p. m., dance concert, New Arlington hotel orchestra; 9:45-10:10, Lawson Reid, organist.
WBAP, Ft. Worth, Texas (475.9m-630kc), 9:30-11 p. m., Hired Hands' Little symphony.
WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6:15 p. m., dinner concert, Wesley Barlow's Nicollet hotel orchestra; Adeline Wagner, soprano; 8:15, musical program; Teter and Johnson, entertainers; Bertha Stub, reader; Gilbert Stinson, saxophonist; 9:15, University ensemble; Andrew Nerat, Jugo-Slavian baritone; 10:05, dance program; Lloyd Sunderman, baritone; Chuck Catlin, tenor and uke soloist.
WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., School of the Air; 8-9, around the town; 11:45-1 a. m., Nighthawk frolic; Charlie Straights Brunswick Recording orchestra; Earl Coleman's orchestra; popular songsters.
WFAA, Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m., Jimmy Joys' Baker hotel orchestra; 8:30-9:30, Schubert choral club recital; 11-12, Jack Gardner's Adolphus hotel orchestra.
WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., concert, J. Arthur Findling, baritone.
WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., orchestra, Bry's store.
WOAW, Omaha, Nebr. (526m-570kc), 9 p. m., program.
WOC, Davenport, Ia. (483.6m-620kc), 5:45-6 p. m., chimes concert; 9-10, musical program; Palmer's Naval Reserve band of Peoria, Ill.
WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., Atwater Kent hour.
WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., dinner concert, trio; 8, popular and barn dance program.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Billy Cox and his orchestra; 8-9, Angelus string quartet; 9-10, semi-classical hour; 10-11, Packard Radio club; 11-2 a. m., KFI midnight frolic.
KFWB, Hollywood, Calif. (252m-1190kc), 8-10, p. m., varied musical program of popular nature; 10-11, Warner Brothers frolic.
KGO, Oakland, Calif. (361.2m-830kc), 4-5 p. m., Bem's Little symphony orchestra; 9-1 a. m., dance music, Wilt Gunzendorfer's Hotel Whitcomb band.
KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 10-12, dance music, George Rose and his band; solos, Punch Green.
KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., Uncle John and the children; 8-10, Karl Brandenburg, tenor; L. A. Ry. Hawaiian quintet.
KNX, Hollywood, Calif. (336.9m-890kc), 7:30-8 p. m., program, Deardens' Furniture company; 8-9, feature studio program; 9-10, program, Rondith corporation; 10-11, Ambassador hotel dance orchestra; 11-2 a. m., KNX frolic from the Edgewater club, Santa Monica.
KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7:30 p. m., States Restaurant orchestra; 8-10, Mandarin cafe orchestra; Maurice Gunsky, tenor; Merton Bories, pianist; 10-12, Clift hotel dance orchestra.

Sunday, September 5

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
7:20 p. m.	6:20	5:20	4:20	3:20

WEAF (491.5m-610kc), WEEI (348.6m-560kc), WRC (468.5m-640kc), WWJ (352.7m-850kc), KSD (545.1m-550kc), WCAE (461.3m-650kc), Capitol family.

9:30	8:30	7:30	6:30	5:30

KOIL (305.9m-980kc), Paramount program.

11:30	10:30	9:30	8:30	7:30

WCCO (416.4m-720kc), St. Paul municipal organ recital.

1 a. m.	12 m.	11	10	9

KFWB (252m-1190kc), Sunday night movie frolic.
WFAA (475.9m-630kc), Ligon Smith's orchestra.

Sunday, silent night for: CKAC, CKNC, CNRA, CNRC, CNRE, CNRM, CNRO, CNRR, CNRT, CNRV, CNRW, KFAB, KFKX, KFOA, KFXF, KMA, KWWG, WAHG, WDAF, WEBJ, WFI, WGBF, WGHB, WGHP, WHAS, WJJD, WJR, WLIT, WLWL, WMAQ, WMC, WNYC, WOAW, WOI, WOO, WOOD, WRC, WREO, WRVA, WSB, WSM, WTAM, WTIC.

Atlantic or Eastern Daylight Saving Time Stations

WCAU, Philadelphia, Pa. (277.6m-1080kc), 5 p. m., recital; 5:15, undenominational church services; 6:30, Pennsylvania hotel orchestra; 7:30, Cathay orchestra.
WEAF, New York, N. Y. (491.5m-610kc), 3 p. m., Greater New York Federation of Churches; 4:30, Federation mixed quartet; 5:30, Carl Schaiovitz, violinist; 6, Viola Sherer, contralto; 7:20, Capitol family, WEEI, KSD, WRC, WWJ, WJAR, WCAE; 9:15, Atwater Kent program; WEEI, WGR, WRC, WWJ, WSAI, WGN, WCCO, KSD; 9:45, musicale.
WEEI, Boston, Mass. (348.6m-860kc), 2 p. m., Sager's hour of hospitality; 7:20, WEAF; 9:15, WEAF; 9:45, Keith's Radio review.
WHN, New York, N. Y. (361.2m-830kc), 7:30-9:45 p. m., Calvary Baptist church.
WIP, Philadelphia, Pa. (508.2m-590kc), 10:45 a. m., Holy Trinity church; 4:15 p. m., community vocal and instrumental recital; 9:15, recital, Marine studio; 10:30, organ, vocal recital, Atlantic City Senior High School auditorium.
WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Baptist church carillon; 7:25, Hotel Pennsylvania orchestra; 8, program; 9:30, Godfrey Ludlow, violinist.
WMCA, New York, N. Y. (340.7m-880kc), 7 p. m., Ernie Golden and his Hotel McAlpin orchestra; 7:30, Monte Carlo by the Sea orchestra.
WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., services, Bethany Presbyterian church.

Eastern Standard or Central Daylight Saving Time Stations

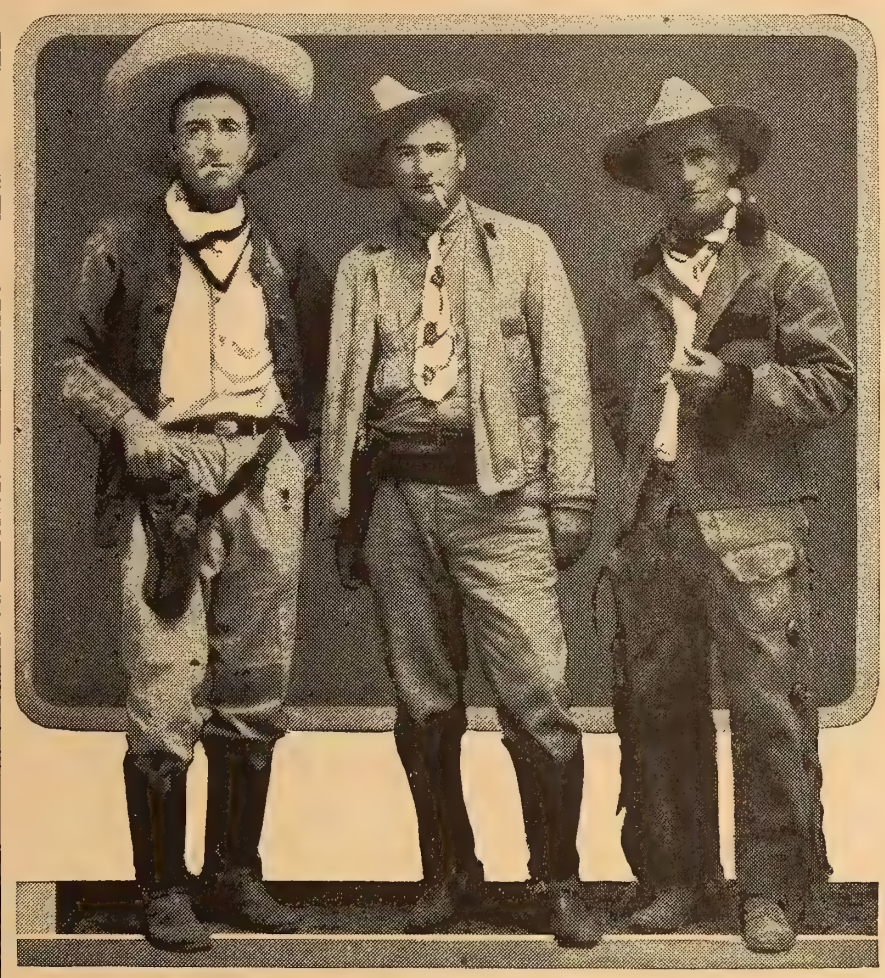
KYW, Chicago, Ill. (535.4m-560kc), 11 a. m., Second Presbyterian church; 4, studio concert; 9:30-11, classical concert.
WBAL, Baltimore, Md. (245.8m-1220kc), 7:30-8:30 p. m., WBAL concert orchestra.
WBBM, Chicago, Ill. (225.4m-1330kc), 8-10 p. m., Melody hour, staff artists; 12, The Nutty club.
WBZ, Springfield, Mass. (333.1m-900kc), 7 p. m., Copley Plaza concert; 8, Golden Rule hour; 9, Knights of Pythias male quartet.
WCX, Detroit, Mich. (516.9m-580kc), 8 p. m., Schmeman band.
WEBH, Chicago, Ill. (370.2m-810kc), 10:45 a. m.-12 noon, Seventh Church of Christ Scientist; 7-9 p. m., Edgewater Beach hotel orchestra; concert; Kenyth Dunn, pianist.
WGHP, Detroit, Mich. (270.1m-1110kc), 11 a. m., Grosse Pointe Memorial church.
WGN, Chicago, Ill. (302.8m-990kc), 6:45-7 p. m., musicale; 7-7:20, Million sing; 7:20-7:30, Old-Fashioned Almanack; 7:30-8, musicale; 8-8:15, Drake concert ensemble, Blackstone string quintet; 8:15-8:45, WEAF; 8:45-9, musical program; 9-10, Our Music room; 10-10:10, Sam 'n' Henry; 10:10-11, WGN studio ensemble.
WHT, Chicago, Ill. (399.8m-750kc), 3 p. m., Paul Rader.
WJAZ, Chicago, Ill. (329.5m-910kc), 7-9 p. m., Chez Pierre; Hazel Sims, pianist; Frances Rosemary Scheiley, soprano; Ethel Schwertzler, violinist; Chez Pierre orchestra.
WJR, Pontiac, Mich. (516.9m-580kc), 10 a. m., First Baptist church; 8, concert; 10, special song service, First Baptist church.
WLIB, Chicago, Ill. (302.8m-990kc), 5 p. m., Liberty studio ensemble; 5:45, Edward Benedict.
WLS, Chicago, Ill. (344.6m-870kc), 7-8:55 p. m., Little Brown church in the Vale; Sol Heller, baritone.
WLW, Cincinnati, Ohio (422.3m-710kc), 7:30 p. m., First Prsebyterian church; 8:30, Crosley Salon orchestra.
WOK, Chicago, Ill. (217.3m-1380kc), 6-8 p. m., Tip Top Inn string ensemble; 8-12, Capitol theater organ; Katz and his Kittens' orchestra; Midway Garden orchestra; Tearney's Town club orchestra; Capitol theater organ.
WQJ, Chicago, Ill. (447.5m-670kc), 3-4 p. m., Swedish American Ladies' quartet; 8-10, Rainbo Gardens orchestra; Elbert Wheeler, tenor; Theodore J. Regnier, baritone; Helen Combs, accompanist; James Murray, tenor.
WRC, Washington, D. C. (468.5m-640kc), 11 a. m., service; 4 p. m., service; 6:20, WEAF; 8:15, WEAF; 8:45-10, vesper hour.
WSAI, Cincinnati, O. (325.9m-920kc), 7:45 p. m., chime concert, Robert Badgley; 8:15, WEAF; 8:45, WEAF.
WSB, Atlanta, Ga. (428.3m-700kc), 5 p. m., sacred concert; 8, Wesley Memorial Methodist church.
WSM, Nashville, Tenn. (282.8m-1060kc), 10:30 a. m., First Presbyterian church.

Mountain Standard Time Stations

KOA, Denver, Colo. (322.4m-930kc), 10:55 a. m., Trinity Methodist Episcopal church; 4:30 p. m., Shad J. Tinsley, organist; 6:30, Lamont School of Music; 7:45, Trinity Methodist Episcopal church.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Jim, Jack and Jean trio; 8-9, Aeolian organ; 9-10, Bob Bottger's Venetians; 10-11, Packard Six dance orchestra.
KFWB, Hollywood, Calif. (252m-1190kc), 9-11 p. m., Warner Brothers Sunday night movie frolic.
KGW, Portland, Ore. (491.5m-610kc), 10:25-12 noon, Hinson Memorial Baptist church; 7:30-9 p. m., First Presbyterian church; 9-10, concert, Little symphony orchestra.
KHJ, Los Angeles, Calif. (405.2m-740kc), 7-8 p. m., Service, First M. E. church; 8-10, Orpheus Four male quartet, Frederick MacMurray, viola soloist.
KNX, Hollywood, Calif. (336.9m-890kc), 7-8 p. m., Circle theater organ and orchestra; 8-9, service, First Presbyterian church of Hollywood; 9-10:30, program, Beverly Hills Nurseries.



The meeting place of Spanish senoritas and American cowboys is KWWG, Brownsville. The three tough-looking Texans above strolled into this station recently and the announcer, seeing Tom Barber on the left fondly holding onto his gun, crawled under the microphone and let them have their way. Doc Dutro is the center gentleman. On the right is P. K. McNair.

WSWS, Chicago, Ill. (275m-1090kc), 11 a. m., Moody church; 3:30 p. m., popular service; 7-9, song service.
WTAM, Cleveland, Ohio (389.4m-770kc), 6 p. m., Hollenden hotel orchestra; 7, Park theater orchestra; 8, Twilight musicale.
WWJ, Detroit, Mich. (352.7m-850kc), 10 a. m., First Presbyterian church; 2 p. m., Detroit News orchestra; 6:20, WEAF; 8:15, WEAF.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 9-10 p. m., evening musicale.
KFNF, Shenandoah, Ia. (461.3m-650kc), 10:45 a. m., First M. E. church; 2:30 p. m., Seed house song service; 3, religious services; 6:30, Golden Rule Circle; 8, Christian church services.
KLDS, Independence, Mo. (440.9m-680kc), 11 a. m., studio service; 9:15, studio service.
KMA, Shenandoah, Ia. (461.3m-650kc), 4:30-5:30 p. m., Men's Gospel team.
KMOX, St. Louis, Mo. (280.2m-1070kc), 9 p. m., Skouras Brothers night club.
KOIL, Council Bluffs, Ia. (305.9m-980kc), 11 a. m., First Congregational church; 7:30, Charlestonians; 11, Lyric serenaders.
KPRC, Houston, Texas (296.9m-1010kc), 10:50 a. m., First church of Christ, scientist; 3 p. m., Wichita Falls-Houston baseball game; 9:30, concert; 11, Texan theater pipe organ concert.
KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 11 a. m.-12:15 p. m., First Baptist church; 9:10-10, classic hour, Lon Chassy and his Meyer Davis ensemble.
WBAP, Ft. Worth, Tex. (475.9m-630kc), 11 a. m.-12:30 p. m., First Methodist church; 9:30-11:30, Sorin White Top O'Texas orchestra.
WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 10:50 a. m., Plymouth Congregational church; 4:10 p. m., House of Hope Presbyterian church; 7:15, WEAF; 9:30, Hugo Philler Goodwin, organist.
WDAF, Kansas City, Mo. (365.6m-820kc), 3-3:30 p. m., classical musical program; 3:30-4, Newman theater stage specialties; 4-4:45, services.
WFAA, Dallas, Texas (475.9m-630kc), 6-7 p. m., Bible class, gospel songs; 8-9, First Baptist church; 11-12, Ligon Smith's orchestra.
WHAS, Louisville, Ky. (399.8m-750kc), 9:57 a. m., organ prelude; 10, Fourth Avenue Presbyterian church; 4:30-5:30 p. m., choral evensong service, Christ church cathedral.
WHO, Des Moines, Ia. (526m-570kc), 11 a. m., U. Church of Christ; 5-6 p. m., Bankers Life Little symphony; 7:30-8:30, Hotel Fort Des Moines orchestra; 11-12, musical program.
WMC, Memphis, Tenn. (499.7m-600kc), 11 a. m., First Baptist church services.
WOAI, San Antonio, Tex. (394.5m-760kc), 11 a. m., First Presbyterian church; 7:45 p. m., Central Christian church.
WOAW, Omaha, Nebr. (526m-570kc), 9 a. m., chapel service; 1:30 p. m., Father Flanagan's Boys' home period; 2:30, old time songs for shut-ins; 9, chapel service.

Monday, September 6

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
1:30 p.m.	12:30	11:30 a.m.	10:30	9:30

KOA (322.4m-930kc), Auto races up Pikes Peak.

7	6	5	4	3

CKNC (356.9m-840kc), Instrumental trio.

10:15	9:15	8:15	7:15	6:15

WOS (440.9m-680kc), Mokane string band.

11	10	9	8	7

WCCO (416.4m-720kc), University ensemble.

11:30	10:30	9:30	8:30	5:30

KTHS (374.8m-800kc), Best loved ballads.

1	12	11	10	9

KFI (467m-642kc), "Faust," opera.
KOIL (305.9m-980kc), Ray-O-Vac twins.

Monday, silent night for: CKAC, CNRA, CNRC, CNRE, CNRM, CNRO, CNRR, CNRT, CNRV, CNRW, KHJ, KLDS, KPSN, KWSC, KYW, WBBM, WCBD, WEBH, WEBJ, WENR, WFI, WGBF, WGBS, WGES, WGN, WCY, WHAS, WHT, WIBO, WIP, WJAZ, WJJD, WLIB, WLS, WMAQ, WMBB, WOC, WOK, WORD, WQJ, WRC, WSAI.

Atlantic or Eastern Daylight Saving Time Stations

CKNC, Toronto, Can. (356.9m-840kc), 9 p. m. Toronto Conservatory instrumental trio; Verdi mixed quartet.
WAHG, Richmond Hill, N. Y. (315.6m-950kc), 8 p. m., Synchrophase hour; 9:15, Janet Bush-Hecht, contralto; 9:30, Fred J. Bacon, banjoist; Cassie L. Bacon, ukulele soloist; 10, popular program; 12, midnight variety program.
WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30, Snellenburg recital; 8, recital; 8:30, The Three Rascals; 8:45, Merry Minstrels; 9:30, Chalfont sisters, songs; 9:45, humor talk; 9:50, Maurice Patton, tenor.
WEAF, New York, N. Y. (491.5m-610kc), 4-12 mid. dinner music; Roxanna Erb, soprano; Meyer Davis' Park Lane orchestra; Edgar Gruen, baritone; "Ernani," Grand opera company; Al Lentz' Hofbrau orchestra.
WEEI, Boston, Mass. (348.6m-860kc), 8:15 p. m., Varsity Tire entertainers; 9, Cape Cod steamship company program, orchestra; 9:30, Ed. Andrews' Nautical dance orchestra.
WIP, Philadelphia, Pa., (508.2m-590kc), 6:05, Benjamin Franklin concert orchestra.
WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Hotel Madison dinner orchestra; 7:55, John B. Kennedy; 9, Maxwell House Coffee ensemble; 10:30, Harold Leonard's Waldorf Astoria Roof orchestra.
WLIT, Philadelphia, Pa. (394.5m-760kc), 8:15 p. m., Labor day program; address by Hon. R. H. Lansburgh, Sec. of Penna. State Dept. of Labor and Industry; Florence William, cello, Leno Williams Sargeant, accompanist; address, Matthew Woll, President of International Photo Engravers; 10, Arcadia cafe dance orchestra.
WMCA, New York, N. Y. (340.7m-880kc), 6:30 p. m., Ernie Golden and his Hotel McAlpin orchestra; 7:30, Monte Carlo by the Sea orchestra; 9:15, Hardman hour of music; 11, Jack Denny's orchestra; 11:30, Club Brighton orchestra; 12, McAlpin entertainers.
WNYC, New York, N. Y. (526m-570kc), 6 p. m., piano selections; 6:20, piano selections.
WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Sylvania dance orchestra; 8, organ recital; 9, Sesqui Centennial program; 10:30, Sam Brown's orchestra.
WOR, Newark, N. J. (405.2m-740kc), 6:15 p. m., Jacques Jacobs' Hotel Shelton ensemble; 7, Jacques Jacobs' Hotel Shelton ensemble; 7:30, Brooklyn Daily Eagle program; 8, Newark Philharmonic band; 9:00; Klein's Serenading Shoemakers; 10, Monterey society orchestra; 10:30, Monterey concert quintet; 11:15, Ben Bernie's Berkeley-Carteret orchestra.

Eastern Standard or Central Daylight Saving Time Stations

WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., WBAL, dinner orchestra; 7:30-8, mixed quartet; 8-9, WBAL trio; 9-10, WBAL dance orchestra.
WBZ, Springfield, Mass. (333.1m-900kc), 6 p. m. Hotel Lenox ensemble; 6:33, Bob Patterson's Hotel Kimball trio; 8, Capitol theater orchestra; 8:30, organ recital, Rene Dagenais; 9, Aidan Redmond, baritone; Mae Gorman; 9:30, Max Krulee and his orchestra.
WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., Goldkette ensemble; 8-10, Schmeman band.
WGHB, Clearwater, Fla. (266m-1130kc), 8:30-10 p. m., Homer Moore recital; Bertha Yates, pianist.
WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert, Hotel Tuller; 8:30-9:30, WGHP ensemble; 9:30-10, Astringo soloists.
WGN, Chicago, Ill. (302.8m-990kc), 6:45-7 p. m., Drake concert ensemble, Blackstone string quintet; 8-9, WEAF; 10-10:10, Sam 'n' Henry; 10:10-10:20, Music Box; 10:20-11, WGN studio ensemble.
WHAZ, Troy, N. Y. (379.5m-790kc), 8 p. m., Fourth anniversary, Domino club orchestra, features.
WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Goldkettes Petite symphony orchestra, soloists; 7:15, Caspar Lingeman entertainers; 7:45, Good Will Oakland and Chief Pontiac; 8, concert.
WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., Gibson orchestra; 7:40, orchestra; 8, Pat Patrick's orchestra; 9, Calumet Baking Powder, Rainbo Garden hour.
WRC, Washington, D. C. (468.5m-640kc), 5 p. m., U. S. Navy band; 7, Mozart string quintet; 8, WJZ; 9-10, WEAF.
WRVA, Richmond, Va. (256.3m-1170kc), 8:45 p. m., American music, piano recital; 9:10, recital, Joseph Whittemore; Mrs. Helen Durant, cellist; Mrs. Mable Stradling, pianist; 10:30, Hotel Richmond orchestra.
WSAI, Cincinnati, O. (325.9m-920kc), 10 p. m., musical program, Harmony Four orchestra.
WTAM, Cleveland, Ohio. (389.4m-770kc), 6 p. m., Hollenden Hotel orchestra; 7, Allen Theater orchestra; 8, studio program; 11, Emerson Gill and his Bamboo Garden orchestra.
WTIC, Hartford, Conn. (475.9m-630kc), 7:30 p. m., U. S. Coast Academy band; 9, grand opera hour; 10:03, Capitol theater organ.
WWJ, Detroit, Mich. (352.7m-850kc), 7:30 p. m., Goldman band concert; 9, Detroit News orchestra.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 8:30-10:30 p. m., Collegian orchestra.
KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., Jacquinot Jules, organist; 7, KMOX Radio orchestra; 8, Colonel 6121; 9, orchestra; 10, orchestra; Anna Beckman, soprano.
KOIL, Council Bluffs, Iowa (305.9m-980kc), 6:03 p. m., Evangeline Higgins, pianist; Roberta Skipton DeVry, soprano; 7:30, Jean Stirling, pianist; 9, Ray Winn and his Paramount orchestra; 10, Barnyard Twins; Crosley Sisters; 11, Ray-O-Vac twins.
KPRC, Houston, Tex. (296.9m-1010kc), 7:30 p. m., Eddie's syncopators, dance orchestra; 8:30, studio concert.
KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10-9:30 p. m., violin recital, Lon Chassy; 9:30-10, best loved ballads, New Arlington hotel orchestra.
KWWG, Brownsville, Texas (278m-1080kc), 8:30 p. m., classical program; 8:30-8:40, piano duet, Mrs. Nora Land, Beth Sewell; 8:40-9, Mrs. Ted Tucker, soprano; 9-9:15, Mexican Conciones, Senor Pelays Quintano; 9:15-9:25, Mrs. Ronald Sutherland, contralto; 9:25-9:40, Alfredo Laurents, violinist; 12:01, dance program.
WBAP, Ft. Worth, Texas (475.9m-630kc), 7:30-8:30 p. m., Crimson Limited Specialty orchestra; 9:30 11, Crowley oldtime fiddle band; 11-12, Louisiana Serenaders.
WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6:15 p. m., dinner concert; 8, WEAF; 9, University ensemble.
WCOA, Pensacola, Fla. (222m-1350kc), 7-10 p. m., Mrs. Benn's Young Ladies' chorus; Mollie McCaskill, vocalist; Max Heinberg, violinist; Ray Dinsmore, cellist; Anita Villar, vocalist; instrumental trio.
WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., School of the Air; 8-9, WEAF; 11:45-1 a. m., Nighthawk frolic; Charlie Straight's Brunswick recording orchestra; Ted Meyn, organist; Earl Coleman's orchestra.
WFAA, Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m., Hawaiian music; 8:30-9:30, Sears-Roebuck program.
WHO, Des Moines, Iowa (526m-570kc), 7:30-8 p. m., Philbreck's Younker Tea room orchestra; 8-9, Bankers Life trio; 11-12, dance program.
WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Britling's Cafeteria novelty orchestra.
WOAI, San Antonio, Texas (394.5m-760kc), 8:30 p. m., Sunshine Laundry orchestra.
WOAW, Omaha, Nebr. (526m-570kc), 6:50 p. m., orchestra; 9, classical.
WOS, Jefferson City, Mo. (440.9m-680kc), 8:15 p. m., Mokane string band.
WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., Sears Roebuck program; 10:45, concert.
WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., Andrew Jackson hotel trio; 8, studio program; 10, Vito and his Radio Seven.
WSUI, Iowa City, Iowa (483.6m-620kc), 8 p. m., musical program; 11:15, organ program, Pastime theater.

Mountain Standard Time Stations

KOA, Denver, Colo. (322.4m-930kc), 10:30 a. m., Eighth annual Pike's Peak Hill-Climbing races; 6:30, Brown Palace string orchestra; 8, Scheuerman's Colorado orchestra; 8:25, Colorado Labor Advocate, Frank L. Palmer; Ina Rains, soprano; Howard S. Reynolds, violinist; KOA orchestra; Isobel Floyd, contralto; Louis E. Shrewbury, tenor.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Owen Fallon's Californians; 8-9, semi-classical hour; 9-10, Opera "Faust" broadcast simultaneously by KFI and KPO; 10-11, program, Meiklejohn brothers.
KFWB, Hollywood, Calif. (252m-1190kc), 7-8 p. m., Program, Dr. Ralph Mitchell and Associated Dentists; 8-9, program, Sealy company; 9-10, program, American Dye Works; 10-11, Warner Brothers frolic.
KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m. dinner concert; 7-7:30, Movie club; 8-9, concert.
KLX, Oakland, Calif. (508.2m-590kc), 8-9 p. m., special program; 9-10 Lake Merritt Ducks.
KNX, Hollywood, Calif. (336.9m-890kc), 7-7:30 p. m., program, Pacific Palisades; 7:30-8, program by Overell's, 8-9, L. W. Stockwell co., program; 9-10, Julian Petroleum corporation program; 10-11, Alexandria hotel dance orchestra; 11-12, Ambassador hotel dance orchestra.

Tuesday, September 7

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
8:30 p. m.	7:30	6:30	5:30	4:30

WFAA (475.9m-630kc), Singing ukulelist.

9:20	8:20	7:20	6:20	5:20

WMAQ (477.5m-670kc), Architects' Small House service bureau.

9:30	8:30	7:30	6:30	5:30

KOIL (305.9m-980kc), Ray-O-Vac twins.
WHAZ (399.8m-750kc), Zoeller's Melodists.
WHO (526m-570kc), 14th Cavalry band.

Tuesday, silent night for: CFCA, CKNC, CNRC, CNRE, CNRM, CNRO, CNRT, CNRW, KFH, KFKX, KFUO, KOA, KOB, KTAB, KWWG, WAHG, WAMD, WBBR, WCAP, WGCP, WOR, WOS, WRVA, WSMB, WSUI, WTAM, WTIC.

Atlantic or Eastern Daylight Saving Time Stations

WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30 p. m., Snellenburg Instrumental trio; 8, Roy Tracy, tenor; 8:10, Three Brothers; 8:25, Peter Ricci, baritone; 8:45, Chas. Higgins, songs; 9:30, recital; 9:45, Chic Griffith piano Pfiend; 10, Cathay orchestra.

WEAF, New York, N. Y. (491.5m-610kc), 6 p. m., dinner music; 7, John Dunbar, tenor; 7:30, Adam Carroll, pianist; David Berend, banjoist; 8, Salon concert, WEEI, WFI, WCAE, WWJ, WGR, WTAM, WSAI; 8:30, Stratford male quartet; 9, Eveready hour, WEEI, WFI, WCAE, WGR, WWJ, WOC, WJAR, WCCO, WTAM, KSD, WTAG, WGN, WSAI; 10, Moment musicale, WEEI, WGR, WTAG, WCAE, WFI, WWJ, KSD, WTAM, WCSH; 10:30, Rolfe's Palais D'Or orchestra, WEEI, WFI, WWJ, WCAE, WGR, WTAM, KSD, WCSH; 11:30-12, Jack Albin and his orchestra.

WEBJ, New York, N. Y. (272.6m-1100kc), 7 p. m., Original Melville Five; 7:30, Luna's Knickerbocker Grill orchestra; 8:10, Thomas Prytherch, tenor; 8:30, Luna's Marine band.

WEEI, Boston, Mass. (348.6m-860kc), 8-11 p. m., WEAF.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:45 p. m., Adelphia Roof Garden orchestra; 8, WEAF; 8:30, WEAF; 9, WEAF; 10, WEAF; 1:30, Greenwich Village Inn orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 8, Steeplechase Pier dance orchestra; 8:30, Steel Pier Minstrels; 9, Chalfonte-Haddon Hall dual trio; 10:30, Cummin's Kentuckians dance orchestra; 11:05, Silver Slipper Supper club dance orchestra; 11:30, Seattle Harmony Kings dance orchestra.

WJZ, New York, N. Y. (454.3m-660kc), 7:20 p. m., Waldorf Astoria Roof orchestra; 8:30, Deltah Pearl hour, WGY, WRC; 9, Pennsylvania Railroad hour, WGY, WRC; 10, Cooks Southern Hemisphere cruise, WRC, WGY; 10:45, Hotel Pennsylvania Roof orchestra.

WLIT, Philadelphia, Pa. (394.5m-760kc), 7:30 p. m., Benjamin Franklin concert orchestra.

WMCA, New York, N. Y. (340.7m-880kc), 7 p. m., orchestra; 8:15, Palmer Pen lesson; 9:30, Columbia Park entertainers; 11, Hotel McAlpin orchestra.

WNYC, New York, N. Y. (526m-570kc), 7:10 p. m., piano selections; 8, band concert, Prospect park.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Sylvania dance orchestra.

WOR, Newark, N. J. (405.2m-740kc), 6:35 p. m., Hotel Bretton Hall string quartet; 7:25, Premier club orchestra; 8:15, Vanderbilt hotel orchestra; 9, Donald H. Baker, organist; 10, Jimmy Caruso's frolic; 10:30, Ritz-Carlton dance orchestra.

Eastern Standard or Central Daylight Saving Time Stations

KYW, Chicago, Ill. (535.4m-560kc), 7 p. m., music hour, Chicago Evening American studio; 8, Congress hotel; 9-10:30, classical; 10:30-12 midnight, Carnival.

WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., WBAL dinner orchestra; 7:30-8, Mandolin orchestra; 8-9, George Bolek, pianist; Helen Broemer, cellist; Edward Jendrek, tenor; 9-10, municipal band.

WBZ, Springfield, Mass. (333.1m-900kc), 6 p. m., Hotel Kimball trio; 8, Hazel Clark Leonard, Helen Hunt, musical program; 9, musical program.

WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., Goldkette ensemble; 8-10, Schmeman band; 10, Red Apple club.

WEBH, Chicago, Ill. (370.2m-810kc), 7-8 p. m., dinner concert, songs, harp solos, ensemble; 9-9:45, organ recital; 11-12:30 a. m., Edgewater Beach hotel orchestra, artists.

WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert, Hotel Tuller; 8, children's half hour; 8:30-9, studio program; 9-10, Skylark dance band.

WGN, Chicago, Ill. (302.8m-990kc), 6:45-7 p. m., Drake concert ensemble; Blackstone string quintet; 8:30-9, musicale; 9-10, musicale; 10-10:10, Sam 'n' Henry; 10:10-10:20, Music Box; 10:20-10:30, studio program; 10:30-12:30 a. m., Pepper party.

WHT, Chicago, Ill. (399.8m-750kc), 7-8:30 p. m., Al Carney, organist; Riverview Melody Masters; 8:45-10:15 (238m-1260kc), organ opening; Riverview orchestra; 10:30-1 (399.8m-750kc), Al Carney, organist; Bel Canto male quartet; Ann Slack, cellist; Riverview orchestra; your hour league.

WJAZ, Chicago, Ill. (329.5m-910kc), 9-12 mid., Club Chez Pierre; Max Siegel, tenor; John Hemple, baritone.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Jean Goldkette's Petite symphony orchestra, soloists; 8, concert program.

WLIB, Chicago, Ill. (302.8m-990kc), 7 p. m., Million sing; Old Fashioned Almanack; 7:15, dinner music; 7:30, Gold Dust Twins; 11, Correll and Gosden; 11:20, Ambrose Larsen, organist; Drake hotel dance orchestra; Liberty studio ensemble.

WLS, Chicago, Ill. (344.6m-870kc), 6:30 p. m., organ concert, Al Melgard; 6:45, Maurie Sherman's College Inn orchestra; 7:20, Prof. E. Frazier, reader; 7:30, organ concert, Ralph Emerson; 8, Surprise time; 8:10-8:55, Sherwood music hour.

WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., Norine Gibbons, Priscilla Holbrook; 7:30, Castle Farmers; 8:15, Crosley Burnt Corkers; 9, Formica symphony orchestra.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Jack Chapman's orchestra; 8, book review, Keith Preston; 8:30, Architects' Small House service bureau; 8:40, music; 9, artists; 9:30, Jack Chapman's orchestra; 9:45, burpan homes.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Gardens orchestra; Lorena Anderson, soprano; Earl Raymond Bigelow, pianist; Robert Wessling, baritone; 10-2, Jack Klein; Leatrice Wood; Martha Biehl; Morton & Mayo.

WRC, Washington, D. C. (468.5m-640kc), 7 p. m., Willard hotel orchestra; 7:30, WJZ; 9:30, Kitt hour of music; 10:30, Meyer Davis' Le Paradis band.

WSAI, Cincinnati, O. (325.9m-920kc), 6:45 p. m., chime concert; 7, WEAF; 7:30, musical program; Ray Lombardi, baritone; C. Partington, accordionist; 8, WEAF; 9, Maids of Melody.

WTAM, Cleveland, Ohio (389.4m-770kc), 6 p. m., State theater vaudeville and music; 7, Salon concert from WEAF; 7:30, Gold Dust twins from WEAF; 8, Eveready entertainers from WEAF; 9, Moment musicale from WEAF; 9:30, Dance orchestra from WEAF; 10, studio program; 11, Frank R. Wilson's Euclid beach park orchestra.

WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7, WEAF.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 8:30-10:30 p. m., program, U. of Nebr.

KFDM, Beaumont, Texas (315.6m-950kc), 8-10 p. m., orchestra.

KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., Jacquinot Jules, organist; 7, Little Red Schoolhouse; Stark Musical Bears; Helen Musick, soprano; 8, KMOX Radio orchestra; Mrs. H. Carey Korndoefer, contralto; 9, fantasia, "Labor Day"; 10-11, KMOX Radio orchestra, soloists.

KOIL, Council Bluffs, Iowa (305.9m-980kc), 6:03 p. m., Warner Brothers; 7:30, Hawaiian Meloboys; Ray-O-Vac Twins; 8:15, Radio-Jazz orchestra; 11, Ray-O-Vac twins.

KPRC, Houston, Tex. (296.9m-1010kc), 7:30 p. m., Billie Mack's orchestra; 8:45, Roberta Welch, violinist; 9:15, Elizabeth Baker, queen of the Ivories; 9:30, Mrs. C. Pyle, soprano; Mrs. H. Whittington, pianist.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10-9:45 p. m., Lawson Reid, organist; 9:45-10:30, dance concert, Meyer Davis orchestra.

WBAP, Ft. Worth, Texas (475.9m-630kc), 7:30-8:30 p. m., Wagoner family orchestra, old time fiddle music, Hawaiian selections; 9:30-11, Smith Ballew's Ft. Worth club orchestra.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6:30 p. m., WEAF; 8, Juilliard Foundation scholarship winners.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., School of the Air; 11:45-1 a. m., Nighthawk frolic; Charlie Straight's Brunswick recording orchestra; Earl Coleman's orchestra; Ken Widenor, organist.

WFAA, Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m., Western Four; 8:30-9:30, brief talk; 11-12, Jimmy Joy's Baker hotel orchestra; 12-1, A Bundle of Joys.

WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., Carl Zoeller's Melodists.

WHO, Des Moines, Iowa (526m-570kc), 7:30-8:30 p. m., 14th Cavalry band; 8:30-9, studio program; 11-12, dance program.

WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Harry Kohn, violinist; 11, Malcolm Burks' Original Seven.

WOAI, San Antonio, Texas (394.5m-760kc), 8:30 p. m., Gebhardt Mexican players.

WOAW, Omaha, Nebr. (526m-570kc), 6:50 p. m., orchestra; 9, program, popular and old-time music; 10:15, Movie club, Dr. Applesauce presiding.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., concert; 10:45 Bohemian orchestra.

WSM, Nashville, Tenn. (282.8m-1060kc), 8 p. m., Mildred King, pianist; Edward Stockman, baritone.

Mountain Standard Time Stations

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., dinner concert, Brown Palace string orchestra.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Truth Tyler Plock, pianist; Joseph Taccati, baritone; Raymond Clark, tenor; 8-9, Screen Artists' string quartet; 9-10, Musical comedy program; 10-11, Packard Radio club.

KFWB, Hollywood, Calif. (252m-1190kc), 8-10 p. m., dance night, Bill Hatch and his orchestra, Esther White and June Parker, soloists; 10-11, Warner Brothers frolic.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 10-12, dance music, George Rose and his band; Curt Kramer, pianist.

KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., weekly visit, Queen Titania and the Sandman; 8-10, Stewart-Warner quartet and others; 10-11, L. A. Ry. dance orchestra.

KNX, Hollywood, Calif. (336.9m-890kc), 7-7:45 p. m., program, John A. Vaughn corp.; 8-9, program, Builder's Finance association; 9-10, program, Western Auto Supply company; 10-12, movie night at the Ambassador with Cocoanut Grove dance orchestra.

Wednesday, September 8

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
9 p. m.	8	7	6	5

WBZ (333.1m-900kc), Barnstormers.
WLW (422.3m-710kc), Buckeye trio.

10:30	9:30	8:30	7:30	6:30

KFAB (340.7m-880kc), Zenith trio.

11	10	9	8	7

WQJ (447.5m-670kc), Leatrice Wood, prima donna.

1 a. m.	12 m.	11	10	9

KFWB (252m-1190kc), Popular song hour.

For stations silent tonight refer to first Wednesday's list.

Atlantic or Eastern Daylight Saving Time Stations

WAHG, Richmond Hill, N. Y. (315.6m-950kc), 8 p. m., Martha Brauninger, soprano; 8:15, C. C. Jones, baritone; 8:30, instrumental quintet; 9, Ralph Lane, tenor; Florence Nickels, cellist; Conrad Schelcher, flutist; 10, Good Humor Boys; 10:30, Colonial dance orchestra.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30 p. m., Snellenburg recital; 8, recital; 8:30, Edward Tamarin, violin and guitar; 9, Lischutz and Mazer, entertainers; 9:30, Charles Borelli, songs; 9:40, Senator Hassenpfeffer; 9:45, Frank Cook, old-time songs; 10, Artie Bittong's Cheer-up club.

WEAF, New York, N. Y. (491.5m-610kc), 4-12 midnight, Madeleine Southworth, contralto; Irene Schnelkei, entertainer; Theodore M. Worth, baritone; synagogue service; U. S. Army band; Davis Saxophone octet; Ipana Troubadours; Pelham Inn orchestra.

WEBJ, New York, N. Y. (272.6m-1100kc), 8 p. m., Dixie Daisey entertainers; 8:45, Joe Davis, Melody Man; 9, Phillip Kromholtz, baritone; Carrie Cohen; Raymond orchestra.

WEEI, Boston, Mass. (348.6m-860kc), 7:30-9:30 p. m., WEAF; 10, musicale.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:45 p. m., Adelphia Roof Garden dance orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra.

WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Hotel Madison concert orchestra; 8, Imperial Imps; 10:30, Hotel Astor Roof orchestra.

WLIT, Philadelphia, Pa. (394.5m-760kc), 7:30 p. m., Dream Daddy's bedtime stories; 8, recital; 8:30, concert, Progress Paint company; 10, Arcadia cafe dance orchestra.

WMCA, New York, N. Y. (340.7m-880kc), 6:30 p. m., Hotel McAlpin orchestra; 8, Monte Carlo by the Sea orchestra; 10:30, Colonial Inn orchestra; 11, Jack Denny's orchestra; 11:30, Club Brighton orchestra; 12, McAlpin entertainers.

WNYC, New York, N. Y. (526m-570kc), 6:10 p. m., piano selections; 8:30, band concert, Central park.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Sylvania dance orchestra; 8:30, WEAF; 9, WEAF; 10, Fox theater studio program; 10:30, Sam Brown's dance orchestra.

WOR, Newark, N. J. (405.2m-740kc), 6:15 p. m., Jacques Jacobs' Hotel Shelton ensemble; 7, Jacques Jacobs Hotel Shelton ensemble; 8, Newark Philharmonic band; 9, French Line program; 9:45, Monterey society orchestra; 10:30, special feature; 10:45, Monterey concert quintet; 11:15, Ben Bernie's Berkeley-Carteret orchestra.

Eastern Standard or Central Daylight Saving Time Stations

KYW, Chicago, Ill. (535.4m-560kc), 6:30 p. m., Joska DeBabary and his orchestra; Bittie-Benson orchestra; 7, American hour; 9-10:30, classical concert, Commonwealth Edison company; 10:30-12 midnight, Congress carnival.

PWX, Havana, Cuba (400m-750kc), 8-10 p. m., Military band music.

WBBM, Chicago, Ill. (225.4m-1330kc), 5:15-6 p. m., recital, Eddie Hanson, organist; 9-10, Harmony Time, staff artists; 12, The Nutty club.

WBZ, Springfield, Mass. (333.1m-900kc), 6:33 p. m., Musical Mirth Makers; 8, Barnstormers; 8:30, Max Krulee and orchestra; 9, musical program; 9:30, Hercules Zenopoulos' musical program.

WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., Goldkette ensemble; 8-10, Schmeman band.

WEBH, Chicago, Ill. (370.2m-810kc), 7-8 p. m., Edgewater Beach hotel concert orchestra; Florence Behrend, soloist; Galliochio string quartet; 9-9:45, Edgewater Beach dance orchestra; songs, Frank Greif; Metropolitan harp trio; songs, F. Behrend; 11-12, dance orchestra; songs, Joe Verges and Paul Small; saxophone quartet; songs, Frank Greif; 12-12:30 a. m., Edgewater Beach hotel orchestra.

WGHB, Clearwater, Fla. (266m-1130kc), 8:30-10 p. m., Caroline Lee; Bob Houts, baritone; Lois Keith, accompanist.

WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert, Hotel Tuller; 8, children's half hour; 8:30-9, Campers' half hour; 9-10, WGHP ensemble.

WGN, Chicago, Ill. (302.8m-990kc), 6:45-7 p. m., request program; 8-9, WEAF; 9-10, WEAF; 10:10-10:20, Music Box; 10:20-10:30, great moments, grand opera; 10:30-11, WGN's studio ensemble.

WHT, Chicago, Ill. (399.8m-750kc), Al Carney, organist; Riverview Melody Masters; 8:45-10:15 (238m-1260kc), Helen Rauh, organist; Stuart Dawson; 10:30-1 (399.8m-750kc), Al and Pat; Riverview orchestra.

WJAZ, Chicago, Ill. (329.5m-910kc), 9-12 mid., Chez Pierre; Alexander Nakutin studio.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Goldkette's Petite symphony orchestra, soloists; 7:45, Good Will Oakland and Chief Pontiac; 8, concert; 11, Murphy Brothers' organist; 12, Merry Old Chief and Jewett Jesters.

WLIB, Chicago, Ill. (302.8m-990kc), 7 p. m., Million sing; 7:05, Old Fashioned Almanack; 7:15, dinner music; 7:30, Pattison Coates, baritone; Edward Barry, pianist; 7:50, Auld Sandy; 8, WEAF; 12:30-1, Ambrose Larsen, organist.

WLS, Chicago, Ill. (344.6m-870kc), 6:30 p. m., Al Melgard, organist; 7:20, Rose Sherman, violinist; Marie Ludwig, harpist; 7:30, Ralph Emerson, organist; 8, Surprise time; orchestra; 8:30, Ford and Glenn; 8:45, Midwest quartet; 9, WLS trio; 9:30, Ford and Glenn; 9:45, Maurie Sherman's College Inn orchestra; 10, Ford and Glenn; 11, special program.

WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., Visconti's orchestra; 8, Buckeye trio; 9, staff recital; 10, Pink of Programs; 11, Royal Elk syncopators.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Jack Chapman's orchestra; 8:30, artists; 9, music; 9:30, Jack Chapman's orchestra.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Gardens orchestra; Henry Weiss, violinist; Sibyl Nichols, pianist; 10-2, Jack Klein; Leatrice Wood; Martha and Biehl; Morton & Mayo.

WRC, Washington, D. C. (468.5m-640kc), 5 p. m., U. S. Marine band; 7, to be announced; 7:30, WEAF; 8, WEAF; 8:30, to be announced; 9-10, WEAF.

WRVA, Richmond, Va. (256.3m-1170kc), 8:45 p. m., Smithers Hawaiian orchestra, soloists; 10, organ recital, Shepherd Webb, soloists.

WSAI, Cincinnati, O. (325.9m-920kc), 7 p. m., WEAF; 10, string quartet.

WTAM, Cleveland, Ohio (389.4m-770kc), 6:15 p. m., Hotel Cleveland orchestra; 8, Public Auditorium program from Blue room; 11, Jack Horwitz Collegian serenaders from Far East Restaurant.

WTIC, Hartford, Conn. (475.9m-630kc), 7:30 p. m., Capitol theater orchestra; 7:50, "The Science of Canning," Olea M. Sands; 8, Travelers Jongleurs, Unknown Troubadour; 9, Colt Park Municipal dance orchestra; 9:30, Hotel Bond dance orchestra.

WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7, WEAF; 7:30, Detroit News orchestra; 8, dance program; 9, Detroit News orchestra.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 8:30-10:30 p. m., Zenith trio; orchestra.

KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., Jacquinot Jules, organist; 7, J. L. Bischof, Alma Rotter; 8:30, KMOX Radio orchestra; 9, Civic program; 9:30-11:30, "Old Folks at Home," KMOX Radio orchestra; Redden and Feldman, Varsity Troubadors.

KPRC, Houston, Texas (296.9m-1010kc), 7:30 p. m., Skyline studios concert.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10-9:30 p. m., New Arlington hotel string trio, violin, cello and piano; 9:30-10, special requests, Meyer Davis orchestra.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 7 p. m., WEAF; 8, midweek church service; 9, Jenny Lind quartet.

WCOA, Pensacola, Fla. (222m-1350kc), 7-10 p. m., Saenger theater orchestra, concert; Sid Nichols, pianist; vocalists, instrumental selections.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., School of the Air; 8-9, popular musical program; 9-10, Ivanhoe band, glee club; 11:45-1 a. m., Nighthawk frolic.

WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., studio concert.

WHO, Des Moines, Iowa (526m-570kc), 6-7 p. m., Bankers Life Little symphony orchestra; 7-8, Paul Christianson's Hotel Fort Des Moines orchestra; 8-9:30, male quartet; Victor Kephart; 9:30-12, dance program.

WOAI, San Antonio, Texas (394.5m-760kc), 8:30 p. m., Delaware Punch program.

WOS, Jefferson City, Mo. (440.9m-680kc), 8 p. m., Merrill B. Weir, baritone; Nell Harrawood.

WSB, Atlanta, Ga. (428.3m-700kc), 10:45 p. m., Peerless entertainers.

WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., dinner concert, Andrew Jackson hotel trio; 8, Sue McQuiddy, pianist; 8:30, studio program; 10-11, studio program.

WSUI, Iowa City, Iowa (483.6m-620kc), 8 p. m., musical program.

Mountain Standard Time Stations

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra; 8, Scheuerman's Colorado orchestra; 8:25, Public Service Company of Colorado; Marjorie Mellow, soprano; Lucile Fowler, contralto; KOA orchestra; Saxophone band.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7 p. m., Victor Trevice, concert pianist; 7:30, Nick Harris detective story; 8-9, program, California Petroleum corp.; 9-10, Patrick-Marsh dance orchestra; 10-11, program arranged by Charles Beauchamp, tenor.

KFWB, Hollywood, Calif. (252m-1190kc), 7-8 p. m., program, Corduroy Tire stores; 8-9, program, Velvetone corporation; 9-10, popular song hour; 10-11, Warner Brothers frolic.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-9, Bernie Herman and his dance orchestra.

KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., Uncle John and the children; 8-10, varied musical program; 10-11, Jerry Grant and his dance orchestra.

KLX, Oakland, Calif. (508.2m-590kc), 8-9 p. m., educational program; 9-10, special program.

KNX, Hollywood, Calif. (336.9m-890kc), 7-8 p. m., feature program; 8-9, Stewart-Warner dealers program; 9-10, El Sereno Country club orchestra; 10-11, Edgewater club, Santa Monica; 11-12, Ambassador hotel dance orchestra.

Thursday, September 9

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
8 p. m.	7 p. m.	6 p. m.	5 p. m.	4 p. m.

WSWS (275.8m-1090kc), "Within a Mile of Edinburgh Town."

8:30	7:30	6:30	5:30	4:30

WTIC (475.9m-630kc), "A Wee Bit o' Scotch."

10:30	9:30	8:30	7:30	6:30

WFAA (475.9m-630kc), Mickwitz club piano recital.
WMC (499.7m-600kc), Cooper's Hawaiians.

12 m.	11	10	9	8

KFI (467m-642kc), Drama hour.

For stations silent tonight refer to first Thursday's list.

Atlantic or Eastern Daylight Saving Time Stations

CKNC, Toronto, Can. (356.9m-840kc), 8 p. m., Charles E. Bodley and his dance orchestra.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:30 p. m., Cathay orchestra; 7:30, Snellenburg symphony orchestra; 8, recital; 8:15, Saddler's Plantation serenaders; 8:45, Getz' Go-Getters; 9, Unknown tenor; 9:30, Musical Chefs; 9:45, Professor Doolittle; 10, Cerolyn Thomas, soprano; 10:30, Myers Musical Architects.

WEAF, New York, N. Y. (491.5m-610kc), 4-12 midnight, Mildred Kreuder, contralto; mid-week hymn sing; Meyer Davis' Park Lane orchestra; Clicquot Club Eskimos; Silvertown Cord orchestra; Frank Farrell and his Greenwich Village Inn orchestra.

WEEI, Boston, Mass. (348.6m-860kc), 8-11 p. m., WEAF.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:45 p. m., Adelphia Roof Garden orchestra; 8 p. m., The Serenaders; 9, recital from WEAF; 10, WEAF; 11, WEAF.

WHN, New York, N. Y. (361.2m-830kc), 8:30-9 p. m., Loew's Gates theater overture and vaudeville 11:30-12, Cotton club orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 8, concert, Sesqui Centennial exposition; 9, Hotel Traymore concert orchestra; 9:30, Hotel Ambassador concert orchestra; 10, Steeplechase Pier orchestra; 10:30, George Olson's music; 11, Fray's dance orchestra; 11:30, Silver Slipper dance orchestra; 12, organ recital.

WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Hotel Madison concert orchestra; 8, silent drama; 8:30, U. S. Marine band, WRC, WGY, WBZ; 9:30, Royal Typewriter Salon orchestra, WGY, WRC; 10:30, Fireside Boys, WRC, WBZ.

WLIT, Philadelphia, Pa. (394.5m-760kc), 7:30 p. m., Benjamin Franklin concert orchestra.

WMCA, New York, N. Y. (340.7m-880kc), 7 p. m., orchestra; 8, Roemers Homers; 9, Solow soloists; 9:30, Columbia Park entertainers; 11, McAlpin orchestra; 12, Broadway night.

WNYC, New York, N. Y. (526m-570kc), 7 p. m., piano selections; 8, band concert.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Sylvania dance orchestra.

WOR, Newark, N. J. (405.2m-740kc), 6:15 p. m., Jacques Jacobs' Hotel Shelton ensemble; 7, Jacques Jacobs' Hotel Shelton ensemble; 7:45, Oreste's Queensland orchestra; 8:15, Vanderbilt Hotel orchestra; 9, Arthur Pryor's Band; 10, Chateau Baltusrol orchestra.

Eastern Standard or Central Daylight Saving Time Stations

KYW, Chicago, Ill. (535.4m-560kc), 6:30 p. m., dinner concert; 7, Chicago Evening American studio; 8-9, "Twenty Minutes of Good Reading," Rev. C. J. Pernin; 9-10:30, Edison program; 10:30-12 midnight, carnival.

WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., WBAL dinner orchestra; 7:30-8, WBAL mixed quartet; 8-9, WBAL trio; 9-10, dance orchestra.

WBBM, Chicago, Ill. (225.4m-1330kc), 5:15-6 p. m. recital, Eddie Hanson, organist; 8-9:30, Classical program; 9:30-10:15, moss covered melodies; 10:15-10:30, The Izaak Walton hour; 10:30-11:30, Vic Fredericks, baritone, Maurice Silverman, tenor and staff artists; 11:30-12, The Supper club.

WBZ, Springfield, Mass. (333.1m-900kc), 6:33 p. m., Hotel Lenox ensemble; 7:30, Marine band; 8:30, Julia Cullinane, saxophonist; Anne Cullinane, accompanist; George Seaburg, banjoist; Karin Seaburg, accompanist; 9, program; 9:30, Fireside boys.

WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., Goldkette ensemble; 8-10, Schmeman band.

WEBH, Chicago, Ill. (370.2m-810kc), 7-8 p. m., harp recital, Edward Vito; orchestra; E. Bigelow, pianist; 9-9:45, Edgewater Beach hotel orchestra; songs, Carlos Hatvary, ensemble; 11-12:30 a. m., dance music; guitar solos, Hickey and Johnson; songs, Rita McFawn, Six syncopators.

WGHB, Clearwater, Fla. (266m-1130kc), 7:30-8:30 p. m., dinner music.

WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert, Hotel Tuller; 8, children's half hour; 10-11, WGHP Frolickers; 11-12, Skylark dance band.

WGN, Chicago, Ill. (302.8m-990kc), 6:45-7 p. m., Drake concert ensemble, Blackstone string quintet; 7-7:05, Million sing; Old-Fashioned Almanack; 7-15-8, Paul Ash's orchestra; 8-8:30, musical program; 8:30-9, Curfew Capers; 9-9:30, WEAF; 9:30-10, Phantom violinist; 10:10, Music Box; 10:22-11, WGN studio ensemble.

WHT, Chicago, Ill. (399.8m-750kc), 7-8:30 p. m., Al Carney, organist; 8:45 (238m-1260kc), Helen Rauh, organist; Stuart Dawson, poems; 10:30-1 (399.8m-750kc), Al Carney, organist; Billy Alan Huff, popular songs; Little Joe Warner, character songs; Al and Pat.

WJAZ, Chicago, Ill. (329.5m-910kc), 9-12 mid., Chez Pierre; Henrietta Nolan, violinist; Jacob Hannemann, pianist; Sheppard Levine, tenor.

WLIB, Chicago, Ill. (302.8m-990kc), 7 p. m., Millionssing; 7:05, Old Fashioned Almanack; 7:15, dinner music; 11-11:20, Correll and Gosden; 11:20-1, Ambrose Larsen, organist; Drake hotel dance orchestra; Liberty studio ensemble.

WLS, Chicago, Ill. (344.6m-870kc), 6:30 p. m., organ concert, Al Melgard; 6:45, Maurie Sherman's College Inn orchestra; 7:20, Rose Sherman, violinist; Marie Ludwig, harpist; 7:30, organ concert, Ralph Emerson; 8, surprise time; 8:10, orchestra, Ford and Glenn; 8:30, Donald Malin "Music Moods"; 8:50, Ford and Glenn.

WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., Visconti's orchestra; 7:40, Gibson concert; 8, special program; 10, Latonia Melody Boys; 10:30, Al Kirschner, Pep Golden; 10:40, Irene Downing, Tommy Reynolds; 12:15, Crosley pups.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Jack Chapman's orchestra; 8:30, violinist; 9, WMAQ players.

WORD, Batavia, Ill. (275.1m-1090kc), 8 p. m., musical program; 9, musical program.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Gardens orchestra; Henrietta Nolan, violinist; Jean Carlson, soprano; 10-2, Jack Klein; Leatrice Wood; Martha Biehl.

WRC, Washington, D. C. (468.5m-640kc), 7 p. m., WJZ; 7:30, U. S. Marine band; 9, WJZ; 9:30, WJZ; 10-11, Hotel Mayflower orchestra.

WRVA, Richmond, Va. (256.3m-1170kc), 8:45-12 p. m., Kinston, N. C., orchestra, artists.

WSAI, Cincinnati, O. (325.9m-920kc), 6:45 p. m., chime concert, Robert Badgley; 7-10, WEAF.

WTAM, Cleveland, Ohio (389.4m-770kc), 6 p. m., Hollenden Hotel orchestra; 7:30, New York studio orchestra; 8, Clicquot Club Eskimos from WEAF; 9, studio program; 11, Emerson Gill and his Bamboo Garden orchestra.

WTIC, Hardford, Conn. (475.9m-630kc), 7:30 p. m., Scottie Millar; 8, For-an-to Melody Makers; 9, Colt Park Municipal dance orchestra; 9:30, Hotel Bond dance orchestra.

WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7, WEAF.

Central Standard Time Stations

KOIL, Council Bluffs, Iowa (305.9m-980kc), 6:03 p. m., Strawn Sisters trio; 7, Nelson Painters; 8, Irish Airs; 11, serenaders.

KPRC, Houston, Tex. (296.9m-1010kc), 7:30 p. m., Claude Blanchard's dance orchestra; 8:30, concert; 9, Anton Diehl, violinist; artists.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10-9:45 p. m., gems from popular grand operas, Meyer Davis ensemble; 9:45-10, Lawson Reid, organist.

KWWG, Brownsville, Tex. (278m-1080kc), 8:30-8:45 p. m., old fiddle tunes, J. R. Chitwood; 8:45-8:55, love songs, P. K. McNair; 8:55-9:10, old plantation melodies, Mrs. E. W. Davenport; 9:10-9:30, A Little Close Harmony; 9:30-9:45, old time trio, Tancheros; 12:01, midnight dance program.

WBAP, Ft. Worth, Tex. (475.9m-630kc), 7:30-8:30 p. m., program, Jessie Street; 9:30-11, Crowley old-time fiddle band; 11-12, novelty program, guitars and mandolins, Southern Melody boys.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 7 p. m., WEAF, 9:10, Glacier Park quartet.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., school of the Air; 11-45-1 a. m., Nighthawk frolic; Charlie Straight's Brunswick recording orchestra; Coleman's orchestra; Ken Widenor, organist.

WFAA, Dallas, Tex. (475.9m-630kc), 6:30-7:30 p. m., Jimmy Joy's Baker hotel orchestra; 8:30-9:30, Mickwitz club.

WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., concert, P. J. Brown.

WHO, Des Moines, Iowa (526m-570kc), 7:30-8 p. m., Philbreck's Younker Tea room orchestra; 8-9, Bankers Life trio; 9-12, dance program.

WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Cooper's Hawaiians.

WOAI, San Antonio, Tex. (394.5m-760kc), 8:30 p. m., Mistletoe Melody Maids.

WOAW, Omaha, Nebr. (526-570kc), 6:50 p. m., orchestra; 9, classical.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., concert; 10:45, Charles Sheldon, organist.

Mountain Standard Time Stations

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7 p. m., The works of Ethelbert Nevin; Angelus string quartet, Maurine Dyer, soprano and Robert Hurd, tenor; 8-9, KFI drama hour; 9-10, Hour of Hawaiian music; 10-11, Azure Music club.

KFWB, Hollywood, Calif. (252m-1190kc), 8-9 p. m., program, McGavin Brothers Bakeries; 9-10, program, Chapman's Ice Cream; 10-11, Warner Brothers frolic.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 9-10, vaudeville.

KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., Uncle John and the children; 8-10, Zoellner string quartet; Harriet Andrews, soprano; 10-11, dance music.

KNX, Hollywood, Calif. (336.9m-890kc), 7-8 p. m., Carthay Circle theater organ; 8-9, program, Rigali and Veselich; 9-11, KNX feature program; 11-12, Ambassador hotel dance orchestra.

Friday, September 10

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific	
8:03 p. m.	7:03	6:03	5:03	4:03	

KOIL (305.9m-980kc), Ray-O-Vac twins.

8:15	7:15	6:15	5:15	4:15

WTIC (475.9m-630kc), "Fiddle an' Bee."

9:30	8:30	7:30	6:30	5:30

WHAS (399.8m-750kc), Special Music Box program.

9:45	8:45	7:45	6:45	5:45

WTIC (475.9m-630kc), Rythmic Paraphrasers.

10:20	9:20	8:20	7:20	6:20

WOS (440.9m-680kc), Big Four string band.

10:30	9:30	8:30	7:30	6:30

WFAA (475.9m-630kc), Mandolin and guitar club.

For stations silent tonight refer to first Friday's list.

Atlantic or Eastern Daylight Saving Time Stations

WAHG, Richmond Hill, N. Y. (315.6m-950kc), 7:30 p. m., studio program; 9, artists' recital; 9:30, Gondoliers; 10, Duke Donaldson's orchestra.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30 p. m., Snellenburg instrumental trio; 8, Barry O'Moore, Irish tenor; 8:30, Singing Groundhog; 8:45, Miss Bambino, piano accordion; 9, Regina Crooners; 9:15, recital; 9:45, Archie Lloyd, songs; 10, Myers Musical Architects.

WEAF, New York, N. Y. (491.5m-610kc), 4-12 midnight, Kathleen Robinson, contralto; Robert Fram, pianist; recitations to music, Florence Van Westervelt; Blockwell instrumental trio; Gene Ingraham and his orchestra; Caroline Powers Thomas, violinist; Happiness Candy Boys; La France orchestra; Whittall Anglo-Persians; Pelham Heath Inn orchestra.

WEBJ, New York, N. Y. (272.6m-1100kc), 7 p. m., Blue Bell serenaders; 7:30, Luna's Knickerbocker Grill orchestra; 8, Isabel Henderson, soprano; 8:15, Tindaro Cicero, tenor; 8:30, Luna's Marine band.

WEEI, Boston, Mass. (348.6m-860kc), 7:30 p. m., Whiting's Four Merry Milkmen; 8, musicale; 8:30, Neapolitan girls' quintet; 9, WEAF; 10, WEAF.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:45 p. m., Adelphia Roof Garden dance orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra.

WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., George Olsen's Pennsylvania Hotel orchestra; 9, Sundial Shoe serenaders; Bonnie Laddies; 10:30, Hotel Belleclaire Tower orchestra.

WLIT, Philadelphia, Pa. (394.5m-760kc), 7:30 p. m., Dream Daddy's bedtime stories; 8, recital; 8:15, Pioneer Storage Battery co. concert; 9, Schickerling hour; 10, Morning Glory club concert; Arcadia cafe dance orchestra; 11, Freshman Masterpiece hour.

WMCA, New York, N. Y. (340.7m-880kc), 7:30 p. m., Monte Carlo by the Sea orchestra; 8, Midland Beach orchestra; 8:45, Broadway association orchestra; 9, Paul Whiteman's Picadilly orchestra; 9:30, Klein's Serenading Shoemakers; 11, Jack Denny's orchestra; 11:30, Club Brighton orchestra; 12, McAlpin orchestra.

WNYC, New York, N. Y. (526m-570kc), 6 p. m., piano selections.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Sylvania dance orchestra; 8, WOO Travelers; WOO orchestra; 9, WEAF; 9:30, Fox theater program; 10, WEAF; 10:30, Sam Brown's Devon Park orchestra.

WOR, Newark, N. J. (405.2m-740kc), 6:35 p. m., Hotel Bretton Hall string quartet; 7:30, Crystal Palace; 8:30, Donald H. Baker, organist; 10:15, Ritz-Carlton dance orchestra.

Eastern Standard or Central Daylight Saving Time Stations

KYW, Chicago, Ill. (535.4m-560kc), 8 p. m., Federal Master artists; 10:30-12, Congress carnival.

WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7 p. m., WBAL dinner orchestra; 7:30-8, WBAL Jubilee singers; 8-9, musical program; 9-10, City Park orchestra of Baltimore.

WBBM, Chicago, Ill. (225.4m-1330kc), 5:15-6 p. m., Eddie Hanson, organist; 9-10, Harmony Time and staff artists.

WBZ, Springfield, Mass. (333.1m-900kc), 6:33 p. m., Hotel Kimball trio; 8, Hotel Kimball trio; 9, Larry McCabe and Billy Murray; 9:30, Hotel Brunswick orchestra.

WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., Goldkette ensemble; 8-10, Schmeman band; 10, dance music.

WEBH, Chicago, Ill. (370.2m-810kc), 7-8 p. m., dinner concert; songs, Edgar Scott; 9-9:45, Edgewater Beach hotel orchestra; selections, specialties; 11-12:30 a. m., dance music; harp trio.

WGHB, Clearwater, Fla. (266m-1130kc), 8:30-10 p. m., Frederick Hubbard, organist; Mrs. Ethel Morand Weber, soprano; Mrs. Maud Sheridan, contralto; Mrs. F. S. Barrett, violinist.

WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert, Hotel Tuller; 9:30-10, Astringo soloist; 10-11, WGHP entertainers; 11-12, Skylark dance band.

WGN, Chicago, Ill. (302.8m-990kc), 6:35-7 p. m., dinner music, Drake concert ensemble, Blackstone string quintet; 8:10-8:20, Drake concert ensemble; 8:20-8:30, Correll and Gosden; 8:30-9, Fred Hamm and his orchestra; 9-9:30, light opera period; 9:30-10, musical program; 10-10:10, Sam 'n' Henry; 10:10-10:22, Music Box; 10:22-11, WGN studio ensemble.

WHT, Chicago, Ill. (399.8m-750kc), 7-8:30 p. m., Al Carney, organist; Pat Barnes; 8:45-10:15 (238m-1260kc), Helen Rauh, organist; Stuart Dawson, poems; 10-1 (399.8m-750kc), Al Carney, organist; Rita McFaun, soprano; Oscar Heather, tenor; Rita McFaun, soprano; Al and Pat.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Gardens orchestra; Frances Rosemary Scheib, soprano; E. H. Zander, Jr., bass; Sheppard Levine, tenor; 10-2, Jack Klein; Leatrice Wood; Martha Biehl; Morton & Mayo.

WRC, Washington, D. C. (468.5m-640kc), 7 p. m., Wardman Park trio; 8, WJZ, 9, WEAF; 10, Arlington Beach dance orchestra.

WRVA, Richmond, Va. (256.3m-1170kc), 7-8 p. m., dinner music; 8:15, special feature program; Stutz banjo quartet; Negro singers, dialect readers; 10, Hotel Richmond Summer Garden orchestra.

WTAM, Cleveland, Ohio (389.4m-770kc), 6:30, Emerson Gill and his Bamboo Garden orchestra; 8, Frank R. Wilson's Euclid Beach Park orchestra; 9, Whitall's Anglo Persians from WEAF; 9:30, studio program; 11, Jack Horwitz Collegian serenaders from Far East restaurant.

WTIC, Hartford, Conn. (475.9m-630kc), 7 p. m., Laura C. Gaudet, pianist; 7:30, Travelers' Recreation Grounds orchestra; 8:30, novelty numbers, George Ellsworth; 8:45, Gibbs Rhythmic Paraphrases; 9:30, WTIC Mail Bag; 9:45, Debutants.

WJAZ, Chicago, Ill. (329.5m-910kc), 9-12 mid., Chez Pierre; Dallas Decher, tenor; Helen Meyer, contralto.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Goldkette's Petite symphony orchestra, soloists; 7:30, Grennan "Protestors"; 8, concert.

WLIB, Chicago, Ill. (302.8m-990kc), 11 p. m., songs, Correll and Gosden; 11:20-1, Ambrose Larsen, organist; Drake hotel dance orchestra; Liberty studio ensemble.

WLS, Chicago, Ill. (344.6m-870kc), 6:30 p. m., Al Melgard, organist; 6:45, Maurie Sherman's College Inn orchestra; 7:20, Rose Sherman, violinist; Marie Ludwig, harpist; 7:30, Ralph Emerson, organist; 8:10, orchestra, Ford and Glenn; 9:10, orchestra; 9:30, Little symphony of Chicago; 10:30, Medicine show; 11, organ concert, Ralph Emerson.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:50, Wide-Awake club; 8, George Simons, tenor; 8:30, Whitney trio; 9, Mae Graves Atkins, soprano; 9:30, orchestra.

WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 8, Detroit News orchestra; 9, WEAF.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 8:30-10:30 p. m., out-of-town program.

KFDM, Beaumont, Tex. (315.6m-950kc), 8-10 p. m., Refinery band.

KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., Jacquinot Jules; 7, KMOX Radio orchestra; J. L. Bischof, Alma Rotter; 8:30, KMOX Radio orchestra; 9, Do Re Mi Double quartet; 9:30, Scotch program; 10-11, Music Lovers' hour.

KOIL, Council, Bluffs, Ia. (305.9m-980kc), 6:30 p. m., Mono Motor Oil Entertainers; 7:30, program; 8:30, Jack and Jill.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10-10 p. m., vocal solos, Clyde Foley; favorite ballads, New Arlington hotel orchestra.

WBAP, Ft. Worth, Tex. (475.9m-630kc), 6-6:30 p. m., musical program; 7:30-8:30, concert, Panther Hawaiian trio; 9:40-11, Artie Collins dance orchestra; 11-12, Velma Dean, soloist, latest song hits; Aylene Hoffman, pianist.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6:15 p. m., dinner concert; 8, WEAF; 8:30, Twin City string quartet; 10:05, Emmet Long's Nankin cafe orchestra.

WCOA, Pensacola, Fla. (222m-1350kc), 7-10 p. m., Florida string trio, melodies of today; pianologues, Gladys Villar; Modeste Hargis, whistling; duets, vocal solos; Footwarmers' dance orchestra.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., School of the Air; 8-8:30, WEAF; 8:30-9:15, varied musical program; 11:45-1 a. m., Nighthawk frolic; Charlie Straight's Brunswick recording orchestra; Ted Meyn, organist; Earl Coleman's orchestra.

WFAA, Dallas, Tex. (475.9m-630kc), 6:30-7:30 p. m., Paul Cretien; 8:30-9:30, Tom D. Collins and his Mandolin and Guitar club.

WHAS, Louisville, Ky. (399.8m-750kc), 7:30-8:15 p. m., special program, Harry Currie's Music Box; 8:15-9, concert, Helen Mitchell.

WHO, Des Moines, Ia. (526m-570kc), 7:30-8 p. m., Younker Tea room orchestra; 8-9, studio program; 11-12, dance program.

WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Hotel Gayoso orchestra; 11, Bob Miller's orchestra.

WOAI, San Antonio, Tex. (394.5m-760kc), 8:30 p. m., San Antonio College of Music program.

WOAW, Omaha, Nebr. (526m-570kc), 6:50 p. m., orchestra; 9, Red Feather program; Angelo Lupo's dance orchestra, soloists.

WOS, Jefferson City, Mo. (440.9m-680kc), 8:20 p. m., Big Four string band.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., concert; 10:45, concert.

WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., dinner concert, trio; 8-9, studio program; 10, studio program; 10:30-11, pipe organ concert, Arthur Henkel.

Mountain Standard Time Stations

KOA, Denver, Colo. (332.4m-930kc), 6:30 p. m., Brown Palace string orchestra; 8, instrumental program, 8:25, KOA orchestra; Ellen Allen Bruso, soprano; Cooperative Club Boys' choir; instrumental trio; Harry Taylor, tenor; Ruth Green, contralto; Duncan McColl, baritone.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-7:30 p. m., Carlyle Stevenson's dance orchestra; 7:30, Edna Cook and Billie Henderson; 8-9, Aeolian organ; 9-10, Popular song program; 10-11, Packard Ballad hour.

KFWB, Hollywood, Calif. (252m-1190kc), 8-9 p. m., program, Bert Farrar, Incl.; 9-10, Bill Hatch and his orchestra; 10-11, Warner Brothers frolic.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert.

KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., children's hour, Uncle John; 8-10, Times de luxe presentation.

KNX, Hollywood, Calif. (336.9m-890kc), 7-8 p. m., feature program; 8-9, program, Frank Meline company; 9-10, Order of Optimistic Donuts; 10-11, program, Dickenson and Gillespie; 11-12, Ambassador hotel dance orchestra.

Saturday, September 11

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific	
9:30 p. m.	8:30	7:30	6:30	5:30	

WLW (422.3m-710kc), Air City Banjo boys.

10:45	9:45	8:45	7:45	6:45

WSB (428.3m-700kc), Hired Help Skylark.

11	10	9	8	7

KMOX (280.2m-1070kc), "Backstage," drama.
WCCO (416.4m-720kc), Old Fashioned concert.

12 m.	11	10	9	8

KTHS (374.8-800kc), Accordion concert.

For stations silent tonight refer to first Saturday's list.

Atlantic or Eastern Daylight Saving Time Stations

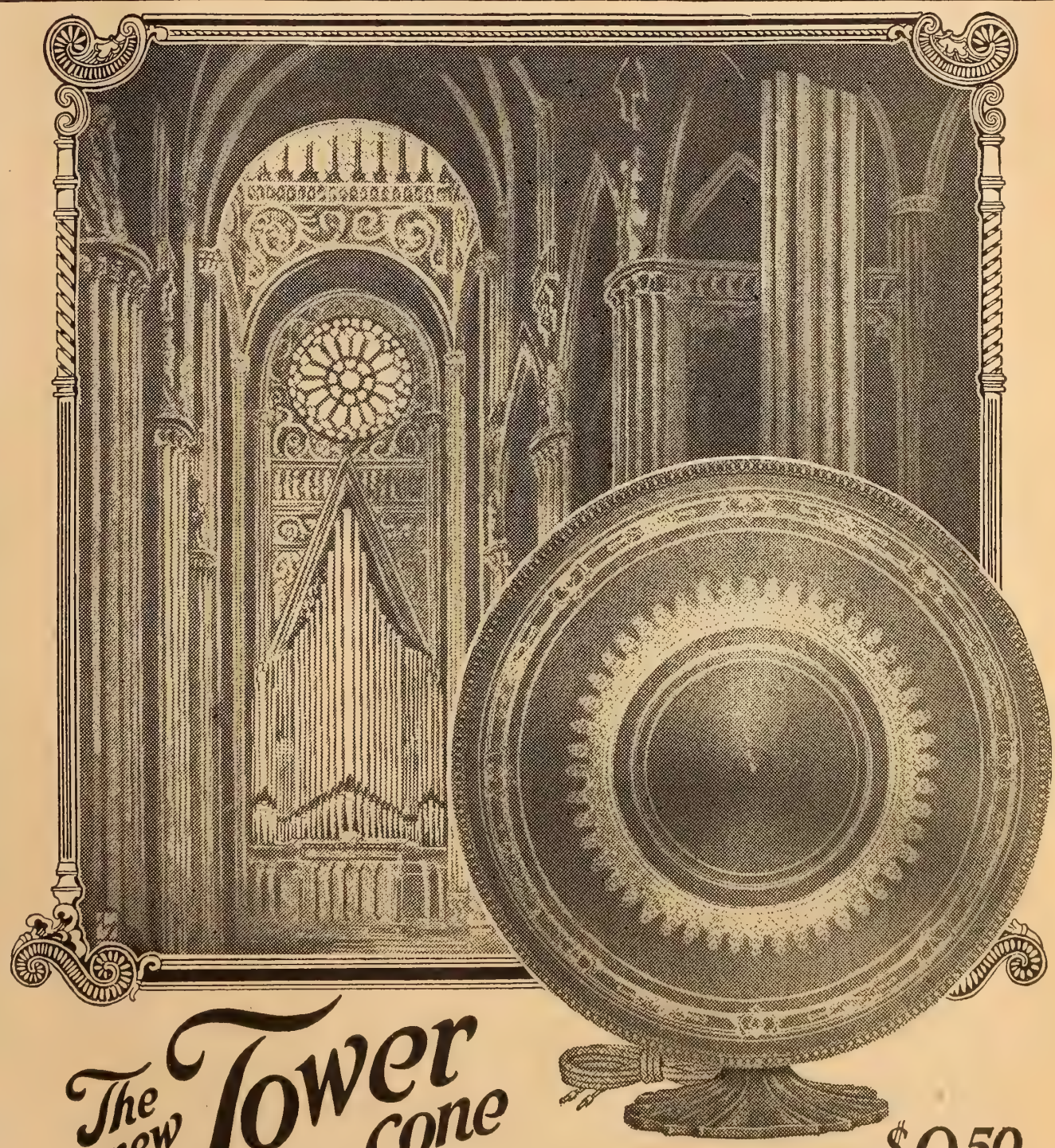
WAHG, Richmond Hill, N. Y. (315.6m-950kc), 12 mid., midnight variety program.

WEAF, New York, N. Y. (491.5m-610kc), 4-12 mid., Elmer Grosso and his orchestra; Al Lentz' Hofbrau orchestra; musical comedy hits; Ben Bernie's Hotel Roosevelt orchestra; Rolfe's Palais D'Or orchestra.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:45 p. m., Adelphia Roof Garden dance orchestra; 8, Odd Fellows male quartet; 10, dance music.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 8:15, recital, Marine studio; 8:30, Hotel Shelburne orchestra; 9, Hotel Traymore concert orchestra; 9:30, Emmet Welch's minstrels; 10:15, George Olson's music; 10:45, Ted Weems Novelty dance orchestra; 11:05, organ recital.

WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Waldorf Astoria Roof orchestra; 10:30, orchestra.



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WLIT, Philadelphia, Pa. (394.5m-760kc), 7:30 p. m., Benjamin Franklin concert orchestra.
WMCA, New York, N. Y. (340.7m-880kc), 7:30 p. m., Monte Carlo by the Sea orchestra; 11, Hotel McAlpin orchestra; 12, McAlpin entertainers.
WNYC, New York, N. Y. (526m-570kc), 7 p. m., piano selections; 8:30, band concert, Prospect park.
WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Sylvania dance orchestra.
WOR, Newark, N. J. (405.2m-740kc), 6:15 p. m., Jacques Jacobs' Hotel Shelton ensemble; 7, Jacques Jacobs' Hotel Shelton ensemble; 7:30, Chateau Baltusrol; 8, Hotel Bretton Hall string quartet; 8:30, Arthur Pryor's band; 9:15, Casino orchestra; 9:45, Berkeley-Carteret orchestra; 10:15, special feature; 10:30, Monterey Society orchestra; 11:15, Ben Bernie's Berkeley-Carteret orchestra.

Eastern Standard or Central Daylight Saving Time Stations

KYW, Chicago, Ill. (535.4m-560kc), 7 p. m., music hour; 8, KYW's Congress hotel studio; 9-10:30, classical concert; 10:30-12 midnight, Congress carnival; Benson orchestra.
PWX, Havana, Cuba (400m-750kc), 8:30-11 p. m., Typical Cuban concert.
WBZ, Springfield, Mass. (333.1m-900kc), 6 p. m., Capitol theater orchestra; 8, organ recital, Harold Schwab; 8:30, Max Kruiee and orchestra.
WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., Goldkette ensemble; 8-10, Schmeman band.
WEBH, Chicago, Ill. (370.2m-810kc), 7-8 p. m., Sunday School lesson; dinner concert, Edgewater Beach orchestra; songs, Florence Behrend; string quartet; 9-9:45, dance music; vocal, instrumental selections; 11-12, dance music, quartet; Carl Linner, pianist; 1-2 a. m., dance music, specialties.
WGN, Chicago, Ill. (302.8m-990kc), 6:45-7 p. m., musicale; 7-7:20, Million sing; 7:20-7, Old-Fashioned Almanack; 7:30-8, musicale; 8-8:15, Drake concert ensemble, Blackstone string quintet; 8:15-8:45, WEAF; 8:45-9, musical program; 9-10, Our Music room; 10-10:10, Sam 'n' Henry; 10:10-11, WGN studio ensemble.
WHT, Chicago, Ill. (399.8m-750kc), 7-8:30 p. m., Al Carney, organist; Eleanor Gilmour, soprano; 8:45-10:15 (238m-1260kc), Helen Rauh, organist; Stuart Dawson, poems; 10:30-1 (399.8m-750kc), Pat Barnes, Al Carney; John Norton, harmonica soloist; Al and Pat.
WJAZ, Chicago, Ill. (329.5m-910kc), 9-1 a. m., Chez Pierre; Marie Wright, soprano; Avery McIntyre, pianist; Elmer Winthrop, baritone; quartet.
WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Goldkette's Petite symphony orchestra, soloists; 7:30, Lagoona Gondoliers; 8, concert; 1:30, Merry Old Chief and Jewett Jesters.
WLS, Chicago, Ill. (344.6m-870kc), 6:30 p. m., Al Melgard, organist; 7:15-1 a. m., National Barn dance, fiddlers; Surprise time; orchestra, twin wheeze, Ford, Glenn and Ralph.
WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., Johanna Grosse, organist; 8:30, Air City banjo boys; 9, Castle Farm dance music.
WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Jack Chapman's orchestra; 8, music; 9, Chicago theater revue.
WORD, Batavia, Ill. (275.1m-1090kc), 7 p. m., Webster hotel concert program; 9, studio program.
WRC, Washington, D. C. (468.5m-640kc), 7 p. m., Hotel Washington orchestra; 7:30, WJZ; 9:30, WJZ; 10:30, to be announced; 11-12, Otto F. Beck, organist.
WSAI, Cincinnati, O. (325.9m-920kc), 8:30 p. m., sextet; 9:30, popular songs, Lelia LeMar.
WSWS, Chicago, Ill. (275m-1090kc), 6-7 p. m., classical program; 8-9, Ned Becker, humorist; 10-11, Terrace Garden orchestra; Freddie Wittmer, pianist; Cook Sisters; 12-1, Witching hour.
WTAM, Cleveland, Ohio (389.4m-770kc), 6:15 p. m., Hotel Cleveland orchestra; 7:30, studio program; 8, Hollenden Hotel orchestra; 9, Vaudeville program from studio, Ev Jones' merrymakers and assisting entertainers.
WTIC, Hartford, Conn. (475.9m-630kc), 7:30 p. m., municipal dance orchestra.
WWJ, Detroit, Mich. (352.7m-850kc), 7:30 p. m., Goldman band concert.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 8:30-10:30 p. m., Little symphony orchestra; Beck's orchestra.
KLDS, Independence, Mo. (440.9m-680kc), 8 p. m., studio program.
KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., Jacquinot Jules, organist; 7, KMOX Radio orchestra; 8, KMOX Radio orchestra; Porter Brown, banjolier; 9, "Backstage," drama; 9:30, KMOX Radio orchestra; 10-11, dansant nuit.
KOIL, Council Bluffs, Iowa (305.9m-980kc), 6:03 p. m., Ray-O-Vac Twins; 7:30, Marie Uhlig, pianist; 11, serenaders.
KPRC, Houston, Texas (296.9m-1010kc), 7:30 p. m., Skyline studio concert; 10, National Advertisers' Essay contest.
KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10-10 p. m., dance concert, New Arlington hotel orchestra; 10-10:15, Joe Kuntz, accordionist.
WBAP, Ft. Worth, Texas (475.9m-630kc), 8-8:30 p. m., Smith Ballew's Ft. Worth club orchestra; 9:30-11, Alfred Broward's Little symphony.
WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6:15 p. m., dinner concert; 8:15, Wesley Barlow's Nicollette hotel orchestra; Lora Davidson, soprano; 8:15, Wayne Hugelboom, pianist; 9, Old fashioned concert; 10:05, Coliseum orchestra.
WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., School of the Air; 8-9, around the town; 11:45-1 a. m., Night Hawk frolic; Charlie Straight's Brunswick Recording orchestra; popular songsters.
WFAA, Dallas, Tex. (475.9m-630kc), 6:30-7:30 p. m., Jimmy Joy's Baker hotel orchestra; 8:30-9:30, Pierce Petroleum corporation; 11-12, Jack Gardner's Adolphus hotel orchestra.
WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., concert, Helen Krieger, pianist.
WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Euphonic quintet.
WOAW, Omaha, Nebr. (526m-570kc), 9 p. m., program.
WSB, Atlanta, Ga. (428.3m-700kc), Atlanta Atwater Kent hour; 10:45, Journal Hired Help Skylark.
WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., Andrew Jackson hotel trio; 8, popular and barn dance program.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Billy Cox and his orchestra; 8-9, Angelus string quartet; 9-10, classic song recital; 10-11, Packard Radio club; 11-2 a. m., KFI midnight frolic.
KFWB, Hollywood, Calif. (252m-1190kc), 8-10 p. m., Saturday night dance program, Bill Hatch and his orchestra and soloists; 10-11, Warner Brothers frolic.
KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 10-12, dance music, George Rose and his band; solos, Funch Green.
KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., Uncle John and the children; 8-10, KHJ feature program.
KNX, Hollywood, Calif. (336.9m-890kc), 7:30-8 p. m., program, Dearden's Furniture company; 8-9, KNX feature program; 9-10, program, Rondith corporation; 10-11, Ambassador hotel dance orchestra; 11-2 a. m., Hollywood frolic, Edgewater club, Santa Monica.

Sunday, September 12

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
8 p. m.	7	6	5	4

WJAZ (329.5m-910kc), Chez Pierre club.

9:15	8:15	7:15	6:15	5:15

WEAF (491.5m-610kc), WEEI (348.6m-860kc), WSAI (325.9m-920kc), WGR (319m-940kc), WWJ 352.7m-850kc, WGN (302.8m-990kc), WCCO (416.4m-720kc), KSD (545.1m-550kc), Allen McQuhae.

9:45	8:45	7:45	6:45	5:45

WEEI (348.6m-860kc), Keith's Radio review.

11	10	9	8	7

KFAB (340.7m-880kc), Sunday evening musicale.

11:10	10:10	9:10	8:10	7:10

KTHS (374.8m-800kc), Classic hour, Meyer Davis ensemble.

11:30	10:30	9:30	8:30	7:30

WBAP (475.9m-630kc), Top o' Texas orchestra.

12 m.	11	10	9	8

KFI (405.2m-740kc), Orpheus Four quartet.

For stations silent tonight refer to first Sunday's list.

Atlantic or Eastern Daylight Saving Time Stations

WCAU, Philadelphia, Pa. (277.6m-1080kc), 5 p. m., recital; 5:15, undenominational church services; 6:30, Hotel Pennsylvania orchestra; 7:30, Cathay orchestra.
WEEI, Boston, Mass. (348.6m-860kc), 2 p. m., Sager's hour or hospitality; 7:20, WEAF; 9:15, WEAF; 9:45, Keith's Radio review.
WFI, Philadelphia, Pa. (394.5m-760kc), 7:30 p. m., services, Arch St. Presbyterian church.
WIP, Philadelphia, Pa. (508.2m-590kc), 4:15 p. m., community vocal and instrumental recital; 7:30, services, Holy Trinity church; 9:15, recital from Marine studio.
WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., carillon; 7:25, Hotel Pennsylvania orchestra; 9:30, Godfrey Ludlow, WGY.
WLIT, Philadelphia, Pa. (394.5m-760kc), 2:15 p. m., Arcadia cafe concert orchestra.
WMCA, New York, N. Y. (340.7m-880kc), 7 p. m., Hotel McAlpin orchestra; 7:30, Monte Carlo by the Sea orchestra.
WOO, Philadelphia, Pa. (508.2m-590kc), 10:30 a. m., services, Bethany Presbyterian church.

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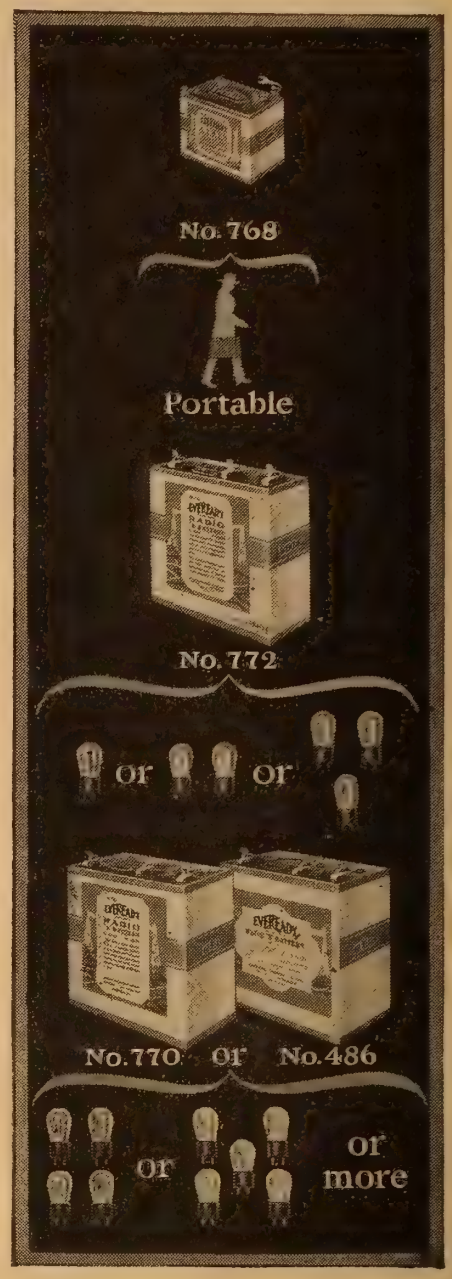

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WSAI—*Cincinnati*
WTAM—*Cleveland*
WWJ—*Detroit*
WGN—*Chicago*
WOC—*Davenport*
WCCO—*Minneapolis St. Paul*
KSD—*St. Louis*

Eastern Standard or Central Daylight Saving Time Stations

KYW, Chicago, Ill. (535.4m-560kc), 11 a. m., Second Presbyterian church; 4, studio concert; 9:30-11, classical concert.
WCX, Detroit, Mich. (516.9m-580kc), 8 p. m., Schmeman band.
WEBH, Chicago, Ill. (370.2m-810kc), 10:45 a. m.-12 noon, Seventh Church of Christ, Scientist; 7-9, p. m., Edgewater Beach hotel orchestra; concert, Kenyth Dunn, pianist.
WGHP, Detroit, Mich. (270.1m-1110kc), 11 a. m., Grosse Pointe Memorial church.
WGN, Chicago, Ill. (302.8m-990kc), 6:45-7 p. m., Drake concert ensemble, Blackstone string quintet; 8-9, WEAF; 10-10:10, Sam 'n' Henry; 10:10-10:20, Music Box; 10:20-11, WGN studio ensemble.
WHT, Chicago, Ill. (399.8m-750kc), 3 p. m., Paul Rader.
WJAZ, Chicago, Ill. (329.5m-910kc), 7-9 p. m., Chez Pierre club; John Beurett Ham, baritone; Hazel Sims, pianist; Ethel Schnertaler, violinist.
WJR, Pontiac, Mich. (516.9m-580kc), 10 a. m., First Baptist church; 8, concert; 10, special song service, First Baptist church.
WLIB, Chicago, Ill. (302.8m-990kc), 5 p. m., Liberty studio ensemble; 5:45, Edward Benedict.
WLS, Chicago, Ill. (344.6m-870kc), 10:45-12 noon, University of Chicago church service; 12:30-1:45 p. m., organ concert; 1:45-2:30, Chicago church federation; 7-8:55, Little Brown Church in the Vale; trio; Sol Heller, baritone.
WLW, Cincinnati, Ohio (422.3m-710kc), 9:30 a. m., Sunday school; 11, Seventh Presbyterian church; 3 p. m., Lucille Scharringhaus; 7:30, First Presbyterian church; 8:30, Crosley Salon orchestra.
WRC, Washington, D. C. (468.5m-640kc), 11 a. m., N. Y. Ave. Presbyterian church; 4 p. m., services, Peace Cross; 6:20, WEAF; 8:15, WEAF; 8:45-10, vesper hour.
WSAI, Cincinnati, O. (325.9m-920kc), 7:45 p. m., chime concert, Robert Badgley; 8, sermonette; 8:15, WEAF; 8:45, WEAF.
WSWS, Chicago, Ill. (275m-1090kc), 11 a. m., Moody church; 3:30, service; 7-9:30, song service.
WTAM, Cleveland, Ohio (389.4m-770kc), 6 p. m., Hollenden Hotel orchestra; 7, Park theater orchestra; 8, Twilight musicale.
WWJ, Detroit, Mich. (352.7m-850kc), 10 a. m., First Presbyterian church; 2 p. m., Detroit News orchestra; 6:20, WEAF; 8:15, WEAF.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 9-10 p. m., Sunday evening musicale.
KMOX, St. Louis, Mo. (280.2m-1070kc), 9 p. m., Skouras Brothers Sunday night club.
KOIL, Council Bluffs, Ia. (305.9m-980kc), 11 a. m., First Congregational church; 7:30, Charlestonians; 11, serenaders.
KPRC, Houston, Tex. (296.9m-1010kc), 10:40 a. m., chimes; 11, St. Paul Methodist church; 8 p. m., First Methodist church; 9:30, Skyline studio concert; 11, Texan theater pipe organ concert.
KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 11 a. m.-12:15 p. m., St. Luke's Episcopal church; 9:10-10, classic hour, Meyer Davis ensemble, soloists.
WBAP, Ft. Worth, Tex. (475.9m-630kc), 11 a. m.-12:30 p. m., First Methodist church; 9:30-11, concert, Sorin-White Top o' Texas orchestra.
WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 10:50 a. m., Plymouth Congregational church; 4:10 p. m., House of Hope Presbyterian church; 7:15, WEAF; 9:30, Hugo Philler Goodwin, organist.
WFAA, Dallas, Tex. (475.9m-630kc), 6-7 p. m., Bible class; 8-9, Service City Temple; 11-12, Harry F. Hassall and his augmented symphony orchestra.
WHAS, Louisville, Ky. (399.8m-750kc), 10 a. m., Broadway Baptist church; 4:30-5:30, Christ church cathedral.
WMC, Memphis, Tenn. (499.7m-600kc), 11 a. m., First Baptist church services.
WOAI, San Antonio, Tex. (394.5m-760kc), 11 a. m., First Presbyterian church; 7:45 p. m., Central Christian church.
WOAW, Omaha, Nebr. (526m-570kc), 9 a. m., chapel service; 1:30 p. m., Father Flanagan's Boys' home period; 2:30, old-time songs for shut-ups; 9, chapel service.
WSB, Atlanta, Ga. (428.3m-700kc), 5 p. m., sacred concert; 8, Baptist Tabernacle services.
WSM, Nashville, Tenn. (282.8m-1060kc), 7:30 p. m., First Presbyterian church.
WSUI, Iowa City, Ia. (483.6m-620kc), 9 p. m., familiar hymns.

Mountain Standard Time Stations

KOA, Denver, Colo. (322.4m-930kc), 10:30 a. m., St. John's Episcopal cathedral; 5:30, Karl O. Staps, organist; 6:30, Lamont School of Music; 7:45, St. John's Episcopal cathedral.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Jim, Jack and Jean trio; 8-9, Aeolian organ; 9-10, Bob Bottger's Venetians; 10-11, Packard Six dance orchestra.
KFWB, Hollywood, Calif. (252m-1190kc), 9-11 p. m., Warner Brothers' Sunday night movie frolic.
KGW, Portland, Ore. (491.5m-610kc), 10:25-12 noon, Hinson Memorial Baptist church; 7:30-9 p. m., First Presbyterian church; 9-10, concert, Little symphony orchestra.
KHJ, Los Angeles, Calif. (405.2m-740kc), 7-8 p. m., First M. E. church; 8-10, Orpheus Four male quartet in request numbers, and others.
KNX, Hollywood, Calif. (336.9m-890kc), 7-8 p. m., Carthay Circle theater organ and orchestra; 8-9, service, First Presbyterian church of Hollywood; 9-10:30 p. m., Program, Beverly Hills Nurseries.

Monday, September 13

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
9	8	7	6	5

WHAZ (379.5m-790kc), Fourth Anniversary.

10	9	8	7	6

WEAF (491.5m-610kc), WJAR (305.9m-980kc), WCCO (416.4m-720kc), WCAE (461.3m-650kc), WCSH (256.3m-1170kc), KSD (545.1m-550kc), WDAF (365.6m-820kc), WOO (508.2m-590kc), WTIC (475.9m-630kc), WRC (468.5m-640kc), WSAI 325.9m-920kc), "Grand opera."

11	10	9	8	7

WSAI (325.9m-920kc), Harmony Four orchestra.

11:10	10:10	9:10	8:10	7:10

KTHS (374.8m-800kc), Melange of popular classics.

11:30	10:30	9:30	8:30	7:30

WBAP (475.9m-630kc), Grapevine fiddle band.

For stations silent tonight refer to first Monday's list.

Atlantic or Eastern Daylight Saving Time Stations

CKNC, Toronto, Can. (356.9m-840kc), 9 p. m., Eveready Little symphony orchestra.
WAHG, Richmond Hill, N. Y. (315.6m-950kc), 7:30 p. m., studio program; 8, synchrophase hour; 9, special program; 10, popular music; 12, variety program.
WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30 p. m., Snellenburg recital; 8, concert; 8:30, Three Rascals; 8:45, Merry Minstrels; 9:30, Chalfont Sisters, harmony songs; 9:45, Count Tom Kelly, Italian comedian; 9:50, Maurice Patton, tenor, Harry Reudy, baritone.
WEEI, Boston, Mass. (348.6m-860kc), 8:15 p. m., Varsity Tire entertainers; 9, Cape Cod steamship company program, orchestra; 9:30, Ed Andrews' Nautical dance orchestra.
WFI, Philadelphia, Pa. (394.5m-760kc), 6:45 p. m., Adelphia Roof Garden dance orchestra.
WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra.
WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Hotel Madison dinner orchestra; 7:55, John B. Kennedy; 9, Maxwell House Coffee ensemble, WRC; 10:30, Harold Leonard's Waldorf Astoria Roof orchestra.
WLIT, Philadelphia, Pa. (394.5m-760kc), 7:30 p. m., Dream Daddy's bedtime stories; 8, Short Agro-Waves, Charles F. Shoffner; 9, Stanley theater hour; 10, Arcadia cafe dance orchestra; 10:30, vaudeville.
WMCA, New York, N. Y. (340.7m-880kc), 6:30 p. m., Hotel McAlpin orchestra; 7:30, Monte Carlo by the Sea orchestra; 9:15, Hardman hour of music; 11, Jack Denny's orchestra; 11:30, Club Brighton orchestra; 12, McAlpin entertainers.
WNYC, New York, N. Y. (526m-570kc), 6 p. m., piano selections.
WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Sylvania dance orchestra; 8, organ recital; 9, Sesquicentennial program; 10:30, Sam Brown's Devon Park orchestra.
WOR, Newark, N. J. (405.2m-740kc), 6:15 p. m., Jacques Jacobs' Hotel Shelton ensemble; 7, Jacques Jacobs' Hotel Shelton ensemble; 7:30, Brooklyn Daily Eagle program; 8, Newark Philharmonic band; 9, Klein's Serenading Shoemakers; 10, Monterey Society orchestra; 10:30, Monterey concert quintet; 11:15, Ben Bernie's Berkeley-Carteret orchestra.

Eastern Standard or Central Daylight Saving Time Stations

WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., WBAL dinner orchestra; 7:30-8, WBAL male quartet; 8-9, WBAL trio; 9-10, dance orchestra.
WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., Goldkette ensemble; 8-10, Schmeman band.
WGHB, Clearwater, Fla. (266m-1130kc), 8:30-10 p. m., Caroline Lee, Virginia Girl; Huey Charlton, novelty hand saw; Max Hartlett, pianist; Esther Ross, uke soloist.
WGAP, Detroit, Mich. (270.1m-1110kc), 6 p. m., Hotel Tuller; 8:30-9:30, WGHP ensemble; 9:30-10, Astringo soloists.
WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Goldkette's Petite symphony orchestra, soloists; 7:15, Caspar Lingeman entertainers; 7:45, Good Will Oakland and Chief Pontiac; 8, concert.
WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., Robert Visconti's orchestra; 8, Pat Patrick's orchestra; 9, Calumet Baking Powder company; Rainbow Gardens hour.
WRC, Washington, D. C. (468.5m-640kc), 5 p. m., U. S. Navy band; 7, quintet; 8, Maxwell House Coffee ensemble.
WRVA, Richmond, Va. (256.3m-1170kc), 8:45 p. m., Indian songs and stories; 9:15, recital, Joseph Whittemore, tenor; 10:30, Hotel Richmond Summer Garden orchestra.
WSAI, Cincinnati, O. (325.9m-920kc), 10 p. m., musical program, Harmony Four orchestra; Ferd Raine, tenor.
WTAM, Cleveland, Ohio (389.4m-770kc), 6 p. m., Hollenden Hotel orchestra; 8, studio program; 11, Emerson Gill and his Bamboo Garden orchestra.
WTIC, Hartford, Conn. (475.9m-630kc), 7:30 p. m., U. S. Coast Guard Academy band; 9, grand opera hour; 10:03, Capitol theater organ.
WWJ, Detroit, Mich. (352.7m-850kc), 7:30 p. m., Goldman band concert; 9, Detroit News orchestra.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 8:30-10:30 p. m., musicale.
KOIL, Council Bluffs, Iowa. (305.9m-980kc), 6:03 p. m., Evangeline Higgins, pianist; Roberta Skipton DeVry, soprano; 7:30, John G. Woodward, Candy Man; 9, Nauticals; 10, Crosley Radio corporation; Barnyard twins; Crosley Sisters.
KPRC, Houston, Texas (296.9m-1010kc), 7:30 p. m., Skyline studio concert.
KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10-10 p. m., melange of popular classics, staff artists.
KWWG, Brownsville, Texas (278m-1080kc), 8:30-8:45 p. m., Spanish songs, Senorita Marguerita Aguerre; 8:45-9, Kate Adele Hill, soprano; 9-9:10, Hawaiian songs, George Desha; 9:10-9:20, Mrs. Don Lewis, soprano; 9:20-9:40, Rainbow Ramblers string orchestra; 12:01, dance program.
WBAP, Fort Worth, Texas (475.9m-630kc), 7:30-8:30 p. m., concert, Alleen Patterson Duff, contralto; entertainers; 9:30-11, old-time musical program, Grapevine fiddle band; 11-12, dance program, Louisiana serenaders.

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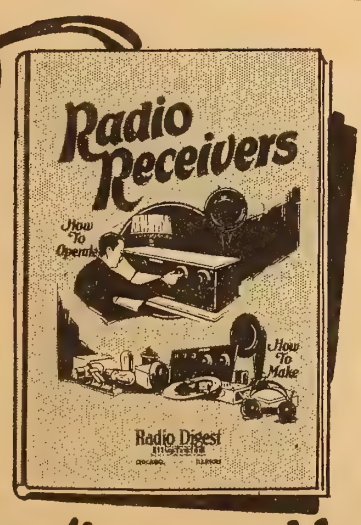

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WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 8 p. m., WEAF; 9, musical program.
WCOA, Pensacola, Fla. (222m-1350kc), 7-10 p. m., band band concert; The 5 Sparks, instrumentalists; Mt. Olive Jubilee singers; Robbye Cook, 13-year-old prodigy; Marie Relyea, pianist.
WFAA, Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m., Hawaiian music; 8:30-9:30, Sears-Roebuck Agricultural Foundation program.
WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Britling Cafeteria Novelty orchestra.
WOAI, San Antonio, Texas (394.5m-760kc), 8:30 p. m., Sunshine Laundry orchestra.
WOAW, Omaha, Nebr. (526m-570kc), 6:50 p. m., orchestra; 9, classical.
WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., Andrew Jackson hotel trio; 8, studio program; 10, Vito and his Radio Seven.
WSUI, Iowa City, Iowa (483.6m-620kc), 8 p. m., musical program; 11:15, organ numbers, Elaine Bair.

Mountain Standard Time Stations

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra; 8, Scheuerman's Colorado orchestra; 8:25, KOA orchestra; Louise Neville, soprano; Mary Wood, contralto; Juanita Prewitt Bauer, reader; KOA orchestra; Eunice McLaughlin, pianist.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Owen Fallon's Californians; 8-9, classic hour; 9-10, program, Walter M. Murphy Motors company, KPO; 10-11, program by Meiklejohn Brothers.
KFWB, Hollywood, Calif. (252m-1190kc), 7-8 p. m., program, Dr. Ralph Mitchell and Associated Dentists; 8-9, program, Sealy company; 9-10, program, American Dye Works; 10-11, Warner Brothers, frolic.
KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 7-7:30, Movie club; 8-9, concert.
KNX, Hollywood, Calif. (336.9m-890kc), 7-7:30 p. m., Pacific Palisades program; 7:30-8, program, Overell's; 8-9, L. W. Stockwell company program; 9-10, program, Julian Petroleum corporation; 10-11, M. Weinstein program featuring Alexandria hotel dance orchestra; 11-12, Ambassador hotel dance orchestra.

Tuesday, September 14

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
8 p. m.	7	6	5	4

WLW (422.3m-710kc), Popular song duo.

9:30	8:30	7:30	6:30	5:30

WCAU (277.6m-1080kc), Giovanni Medori, concert pianist.

11	10	9	8	7

KMOX (280.2m-1070kc), "Pre-Volstead Days."

11:30	10:30	9:30	8:30	7:30

WBAP (475.9m-630kc), Excel ensemble.

1 a. m.	12	11	10	9

WMC (499.7m-600kc), Seven Aces.

For stations silent tonight refer to first Tuesday's list.

Atlantic or Eastern Daylight Saving Time Stations

WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30 p. m., Snellenburg instrumental trio; 8, Roy Tracy, tenor; 8:10, Three Brothers; 8:20, Peter Ricci, baritone; 8:45, Charles Higgins, songs; 9:30, Giovanni Medori, concert pianist; 9:45, concert; 10, Cathay orchestra.
WEBJ, New York, N. Y. (272.6m-1100kc), 7 p. m., Clarence Williams trio; 7:30, orchestra; 8:10, Billy Day, whispering serenader; 8:30, Luna's Marine band.
WEEI, Boston, Mass. (348.6m-860kc), 8-11 p. m., WEAF.
WFI, Philadelphia, Pa. (394.5m-760kc), 6:45 p. m., Adelphia Roof Garden dance orchestra; 8, WEAF; 8:30, WEAF; 9, WEAF; 10, WEAF; 10:30, Jack Albin's dance orchestra.
WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 8, Steeplechase Pier dance orchestra; 8:30, Steel Pier minstrels; 9, Chalfonte-Haddon Hall dual trio; 10:30, Cummin's Kentuckians dance orchestra; 11:05, Silver Slipper Supper club orchestra; 11:30, Edwards orchestra of Chicago.
WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Frank Dole; 7:20, Waldorf-Astoria Roof orchestra; 8, Markel's orchestra; 8:30, Deltah Pearl hour, WRC, WGY; 9, Pennsylvania Railroad hour, WGY, WRC; 10, Cook's Southern Hemisphere cruise, WRC, WGY; 10:45, George Olsen's Hotel Pennsylvania Roof orchestra.
WLIT, Philadelphia, Pa. (394.5m-760kc), 7:30 p. m., Benjamin Franklin concert orchestra; 7:30, dramatic review, Allyn C. Saurer.
WMCA, New York, N. Y. (340.7m-880kc), 7 p. m., orchestra; 9:30, Columbia Park entertainers; 11, Hotel McAlpin orchestra.
WNYC, New York, N. Y. (526m-570kc), 6 p. m., piano selections.
WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Sylvania dance orchestra.
WOR, Newark, N. J. (405.2m-740kc), 6:35 p. m., Hotel Bretton Hall string quartet; 7:25, Premier club orchestra; 8:15, Vanderbilt Hotel orchestra; 9, Donald H. Baker, organist; 10, Jimmy Caruso's frolic; 10:30, Ritz-Carlton dance orchestra.
KYW, Chicago, Ill. (535.4m-560kc), 7 p. m., music hour, Chicago Evening American studio; 8, Congress hotel; 9-10:30, classical; 10:30-12 midnight, Carnival.
WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., dinner orchestra; 7:30-8, Mandolin orchestra; 8-9, George Bolek, pianist; Katharine Whitelock, violinist; 9-10, City Park orchestra of Baltimore.

Eastern Standard or Central Daylight Saving Time Stations

WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., Goldkette ensemble; 8-10, Schmeman band; 10, Red Apple club.
WEBH, Chicago, Ill. (370.2m-810kc), 7-8 p. m., dinner concert, songs, harp solos, ensemble; 9-9:45, organ recital; 11-12:30 a. m., Edgewater Beach orchestra, artists.
WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert, Hotel Tuller; 8:30-9:30, Dodge Brothers, Inc., concert band; 9:30-10, studio program.
WHT, Chicago, Ill. (399.8m-750kc), 7-8:30 p. m., Al Carney, organist; Riverview Melody Masters; 8:45-10:15 (238m-1260kc), organ; orchestra; 10:30-1 (399.8m-750kc), Al Carney, organist; Bel Canto male quartet; Ann Slack, cellist; orchestra.
WJAZ, Chicago, Ill. (329.5m-910kc), 9-12 mid., orchestra; Max Siegel, tenor; Helen Jackson, pianist.
WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Jean Goldkette's Petite symphony orchestra, soloists; 8, concert program.
WLIB, Chicago, Ill. (302.8m-990kc), 7 p. m., Million sing; 7:05, Old-Fashioned Almanack; 7:15, dinner music; 7:30, Gold Dust Twins; 11, Correll and Gosden; 11:20, Ambrose Larsen, organist; Drake hotel dance orchestra; Liberty studio ensemble.
WLS, Chicago, Ill. (344.6m-870kc), 6:30 p. m., Al Melgard, organ concert; 6:45-7, Maurie Sherman's College Inn orchestra; 7:20, Prof. E. Frazier, reader; 7:30, Ralph Emerson, organist; 8, Surprise time, orchestra; 8:20-8:55, Ford and Glenn.
WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., Norine Gibbons, Priscilla Holbrook; 7:30, Castle Farm dance music; 8:15, ladies' trio, Cincinnati College of Music; 9, Formica symphony orchestra.
WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., organ; 6:30, Jack Chapman's orchestra; 8, book review, Keith Preston; 8:20, Small House service bureau; 8:30, weekly talk; 8:40, music; 9, artists; 9:30, Jack Chapman's orchestra; 9:45, Burpan homes.
WRC, Washington, D. C. (468.5m-640kc), 7 p. m., Willard hotel orchestra; 7:30, one-act play; 8, WJZ; 9, WJZ; 9:30, Kitt hour of music; 10:30-11:30, Meyer Davis Le Paradis band.
WSAI, Cincinnati, Ohio (325.9m-920kc), 7 p. m., WEAF; 7:30, Charles Partington, accordionist; Ray Lombardi, baritone; 8, WEAF; 9, Maids of Melody, Lola Bruce.
WTAM, Cleveland, Ohio (389.4m-770kc), 6 p. m., State theater vaudeville and music; 7, Salon concert from WEAF; 7:30, Gold Dust Twins from WEAF; 8, Eveready entertainers from WEAF; 9, Moment musicale from WEAF; 9:30, dance orchestra from WEAF; 10, studio program; 11, Frank R. Wilson's Euclid Beach Park orchestra.
WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7, WEAF.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 8:05-10:30 p. m., U. of Nebraska.
KFDM, Beaumont, Texas (315.6m-950kc), 8-10 p. m., orchestra.
KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., Jacquinot Jules, organist; 7, Little Red Schoolhouse; 8, KMOX Radio orchestra; 9, "Pre-Volstead Days," presentation; 10-11, KMOX Radio orchestra.
KOIL, Council Bluffs, Iowa (305.9m-980kc), 6:03 p. m., Warner Brothers; 7:30, Florence Senior Duerr, pianist; Mabel Woodworth Jensen, violinist; Mrs. W. H. Cutler, soprano; Walter Jenkins, baritone; 11, program.
KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10-9:45 p. m., dance hits, New Arlington hotel orchestra; 9:45-10, Lawson Reid, organist.
KPRC, Houston, Texas (296.9m-1010kc), 7:30 a. m., Skyline studio concert; 9, Chamber of Commerce hour.
WBAP, Fort Worth, Texas (475.9m-630kc), 7:30-8:30 p. m., Wagoner Family orchestra, fiddle selections, Hawaiian numbers; 9:30-11, semi-classical concert, Excel ensemble, ladies' string trio.
WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6:30 p. m., WEAF; 8, musicale; 9:30, Outdoors in Minnesota.
WFAA, Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m., Foxtrotters orchestra; 8:30-9:30, Nelle Lowrey, soprano; 11-12, Jimmy Joy's Baker hotel orchestra.
WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., Eddie Rosson's orchestra.
WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., vocal program, Walter Moore; 11, Hotel Peabody Seven Aces.
WOAW, Omaha, Nebr. (526m-570kc), 6:50 p. m., orchestra; 9, program, popular and old-time music; 10:15, Movie club, Dr. Applesauce presiding.
WSM, Nashville, Tenn. (282.8m-1060kc), 8 p. m., studio program.

Mountain Standard Time Stations

KOA, Denver, Colo. (322.4m-930kc), 8:30 p. m., wit and humor of the age.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., vocal and instrumental program; 8-9, Screen Artists' string quartet; 9-10, varied program; 10-11, Packard Radio club.
KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 10-12, dance music, George Rose and his band; Curt Kramer, pianist.
KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., weekly visit Queen Titania and the Sandman; 8-10, Stewart-Warner string quartet; Mona Content, pianist; 10-11, L. A. Ry. dance orchestra.
KNX, Hollywood, Calif. (336.9m-890kc), 7-7:45 p. m., program, John A. Vaughn corporation; 8-9, program, Builders' Finance association; 9-10, Western Auto Supply company program; 10-12 p. m., movie night, Ambassador, with Cocoanut Grove dance orchestra.

News Briefs

(Continued from page 3)

York, will be heard beginning early in September from not alone WLWL, but WNAC of Boston and WEAN of Providence as well.

Old Cow Bell Rings in WJAG-ites

NORFOLK, Neb.—A Vermont cow bell reputed to be over a century old and presented to WJAG here by admiring listeners, is now used to "ring in" new babies born in the family of WJAG. A list of from ten to twenty babies' names is read from the station every day.

Tampa Links With Winter Park, Fla.

WINTER PARK, Fla.—The Central Florida Broadcasting Station, Inc., operators of WDBO at Rollins college, on September 15 are taking over the operation as well of WDAE, the Tampa Times station, whose power will then be raised to 1,000 watts. A wire link is planned to exchange programs between the two. William Fay, musical director and announcer at WGY, has been engaged to manage WDAE.

* *

Since the recent linking by leased wire of the Georgia State College of Agriculture at Athens, Ga., with WSB, the Atlanta Journal station, talks for farmers by agricultural experts are now being broadcast daily.

* *

The Oriole orchestra, under the direction of Dan Russo and Ted Fiorito, with special symphonic arrangement by Victor Young, is now broadcasting a special dinner concert program every Friday evening from 6 to 8, central daylight saving time, from Station WIBO, Chicago.

* *

WBBM, the Stewart-Warner Air theater, Chicago, has announced its plan behind alterations now being made to increase the station's power from 1,500 to 10,000 watts. The added power, according to Leroy Clausing, will be used chiefly in added modulation to make the quality of transmission more perfect.

* *

The long arm of WBZ, Boston, was instrumental, it has just been learned, in saving the lives last winter of several hunters and trappers isolated without food on Southampton Island at the extreme northern end of Hudson Bay. Another Hudson Bay Company post heard the appeal broadcast and rushed food to the men.

* *

"Fifteen Minutes With Stamp Collectors" is being broadcast weekly on Thursdays by Norman Shepard over KTAB, Oakland, Calif. The talks begin at 9 p. m. Pacific time.

Farm News Digest on WTIC

HARTFORD, Conn.—Farmers of all kinds, dairy, poultry, truck, etc., will be pleased to hear that the Farm News Digest, prepared by the U. S. department of agriculture, is being broadcast from WTIC every Thursday at 6:30 p. m. Eastern time.

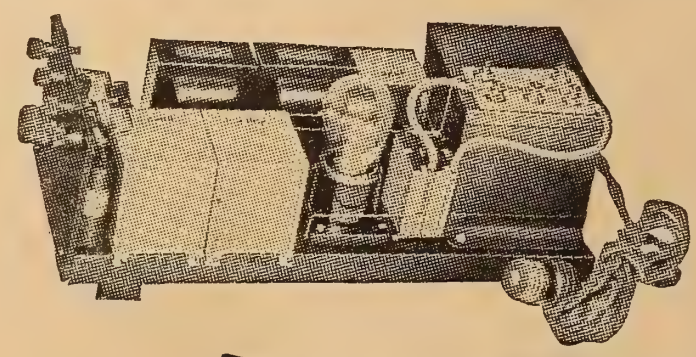
WBBM's Mr. X Proves To Be Famous Lee Sims

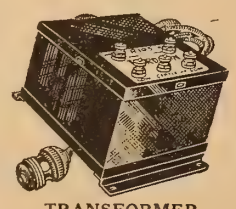
And 2,004 Out of 2,037 Listeners Guess Right

CHICAGO.—"Mr. X" is Lee Sims, pianist, an air artist of national reputation. This announcement by WBBM, the Stewart-Warner Air theater brings to a conclusion a personality test conducted by the station, the results of which have amazed the members of the staff. When Mr. Sims signed a year's contract ten days ago, his identity was concealed from the listeners and they were asked to send in guesses. Out of 2,037 replies received by telegram, mail and telephone, 2,004 were correct.

The test was conducted in an effort to determine whether it is possible for a Radio artist to "get over" his personality, handicapped as he is by the fact that he is invisible to his audience. It has been contended that Radio artists cannot become as well known as players on the stage and screen because of this fact.

Reserve Power!





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The tubes are the larynx of your radio set. Unless they receive a sufficient and constant supply of energy the set will be faulty in its reproduction.

A B-supply built with Thordarson transfomers and chokes will give you that reserve power so essential to good reproduction. Supplies a constant voltage to the plate regardless of the current drain. Sufficient voltage to operate power tubes UX 112 and 171. Actually eliminates the noises and distortion resulting from faulty B batteries.

Complete assembly instructions furnished with every transformer.

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Stay home and hold your job—I'll bring your training to you. You learn quickly and easily in your spare time without leaving home. **I guarantee** to train you successfully or refund your money under the terms of a guarantee bond I give you upon enrollment. I supply you free of extra cost with all needed apparatus and receiving sets for practical work while learning, so you can master Radio quickly, easily, at home.

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Every day N. R. I.-trained men taking good places in the Radio field! Thousands of openings now awaiting the trained man in this new profession. FREE EMPLOYMENT SERVICE WHEN YOU GRADUATE. Many other big features. Don't go along at $25 or $35 or $45 a week when as a Radio Expert you could be pulling down real money for the same six days. Get the Facts—CLIP COUPON NOW.

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J. E. Smith, President
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Dear Mr. Smith: Please rush me free Radio book and details of outfit offer. No obligation.

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"GOODY GOODY GIRL"

(Continued from page 4)

it was absurd, that she was not going away, but had been goaded into the lie.

"Where would you be going, I'd like to know?" the other persisted.

"THAT," said Lois, "is none of your busines."

Then she stepped back, slammed the door in Miss Wexby's face and turned the key in the lock. A smile, a rather uncertain and mirthless smile, rose to her lips as the outraged spinster's heels beat an angry tattoo upon the boarded walk and the gate was slammed shut with a violence that testified that Miss Wexby had vented her white-hot displeasure upon it.

Lois sank to the floor in the fierce grip of apprehension. What a mess she had gotten herself into! For the rather dubious satisfaction of scoring over Miss Wexby momentarily and seeing her bumptiousness pricked she had resorted to a lie. The consequences, if she were any judge, were likely to be far-reaching.

Everything hinged upon how Phineas Blair reacted to what she had done. He was a hard man, stern and exacting, with a code as unyielding as the rock-ribbed New England coast from which he had sprung. Not even the gentle, soft-spoken, little Southern woman who had loved, and been loved by, him had escaped rigid adherence to it. Her daughter could hope for no better.

If only Blair possessed imagination. If only he could be made to see how Primus, Quintus and Octavus, pursuing their endless way around the bowl, had become to her symbolical of her own drudging, loveless life. If that could miraculously be brought about he might understand how sight of them today had acted upon her like match touched to gunpowder.

A heavy step upon the porch intruded on her thoughts. Blair's. He had come home in the middle of the day instead of remaining at the plantation beyond the town limits until sundown. Had Miss Wexby already seen him? No, she wouldn't have had time. Something else had brought him.

LOIS scrambled to her feet and unlocked the door. It was his hand, though, that twisted the knob and threw it open. He bulked large in the opening, standing on the threshold and surveying the disarray within with displeased eyes.

"Why haven't you finished this room and why did you have the door locked?" he demanded.

"Miss Wexby was here. She's going away. She brought the goldfish again and —. No," as his eyes sought the table where the bowl so frequently rested, "I didn't let her leave them. I made her take them away again and I slammed the door in her face and locked it."

His eyes registered bewilderment. "How on earth—"

"I lied to her."

"Lied?" he said in a tone like thunder. Then his teeth clicked shut, a tiny frown made its appearance between his thick brows and little flashes of lightning flickered in the depths of his hard gray eyes.

"Yes, I lied," she hurried on. "I told her I was going away. I don't know why I did it except that she goaded me so, made me frantic because she was so cocksure she was going to have her way—oh, please," as he cleared his throat with an ominous sound, "please don't say anything until you've heard me out."

He glanced at his watch, then stalked across the room, passing by a couple of easy chairs to lower his bulk upon a hard, straight-backed one. Then he consulted his watch again.

"I'll give you ten minutes, no more, Lois."

She glanced at him sitting there, feet planted solidly upon the floor, his body stiffly erect, his mien stern and unbending. So, she fancied, his Puritan forebears must have sat when passing judgment upon their fellows, so must they have looked. They had not been merciful then. Phineas Blair would not be merciful now.

SHE DISCARDED any idea of trying to make him see any simile between Miss Wexby's goldfish bowl and her own circumscribed life. If ever he could be made to understand now was not the time. Swiftly, then, she rushed into the story of what had occurred between her and Miss Wexby.

"And what do you expect me to do about it?" he asked when she signified that she had told all.

"Let me go away for a few days. I could visit—"

"No!" The word fairly exploded from between his lips. "No! You are asking me to compound a lie so you may seem truthful. I won't do it. There wasn't any need to lie in the first place. I haven't any more love for Miss Wexby's goldfish than you, or for her, either. She's a snoopy, domineering, sharp-tongued old maid. If you'd run her off with a broom, dumped her goldfish in the yard, smashed her bowl with a rock—I could have understood that. But lying to her—a lie's a lie, no matter who it's told to. I don't countenance lying. When Miss Wexby gets

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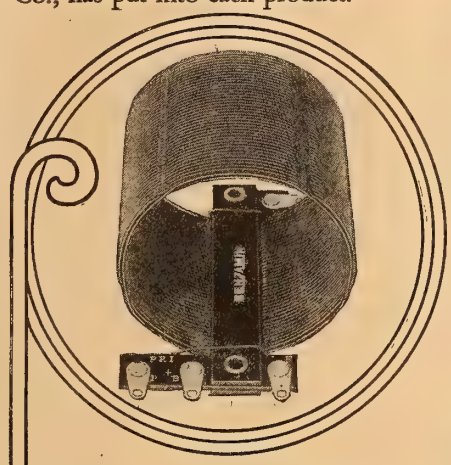

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Compact. Especially desirable for crowded assembly. Eliminates interfering "pick-up." Set of three, $5.75—Single Transformer, $2.10.

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Capacity coupling reduced to lowest degree. For use with .00035 Mfd. Condensers. Set of three, $6.00—Single Transformer, $2.25.

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Uniform high inductance, low distributed capacity and low resistance. The external field is so slight that it permits placing coils close together without appreciable interaction. Single Transformer, $2.50.

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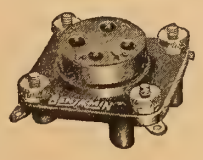

Spring Supported, Shock Absorbing. Stop Tube noises. Greatest aid to non-noisy operation. Contacts always clean. 75 cts. each.

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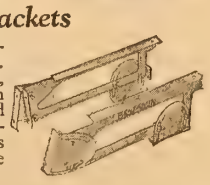
Brackets

An aid to simplification inset construction. Support sub-panel, with room underneath for accessories and wiring. Plain and adjustable. Plain 70 cents per pair; adjustable $1.25 per pair.



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No crowding of Stations. The broadcast range is spread evenly over the complete dial. Stations come in without interference, and tuning is much easier. An instrument made with the precision and compactness of a watch. Adjustable turning tension.

.00025 Mfd., $5.00 .00035 Mfd., $5.25
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If your dealer cannot supply you send amount direct to our nearest sales office with his name

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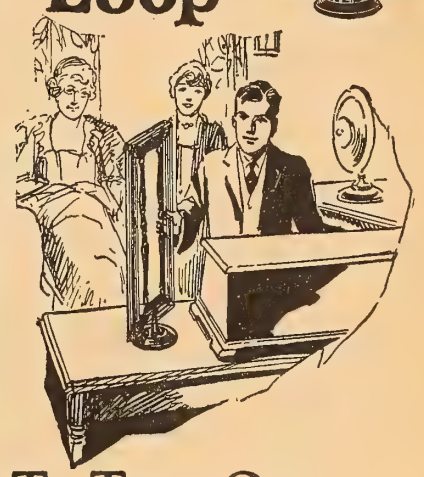
Use the Handsome Bodine De Luxe Loop

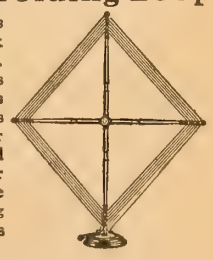


To Tune Out Interference

The artistically balanced, hand rubbed, solid walnut frame and lustrous silk winding of this beautiful loop harmonize with the finest furniture. It is very compact, yet highly efficient for its size. Equipped with jack which may be mounted in top of cabinet, to eliminate all exposed connecting wires.

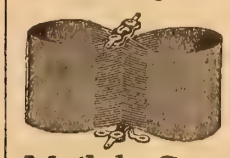
Improves tone quality by tuning out interfering stations. Designed for regular loop sets, but can be used with many aerial sets with slight changes. Write for directions for converting aerial sets into loop sets. Ask your dealer to show you the beautiful Bodine DeLuxe Loop.

Bodine Basket-Weave Folding Loop



Very popular because of its remarkable ability to pick up long distance signals. Specially designed wires do not sag. Loop holds its shape in service. Folds very compactly—ideal for camping. Calibrated dial permits logging. Ask your dealer about the Bodine Basket-Weave Folding Loop, the loop that is different.

Bodine Twin-Eight R.F. Transformer



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Bodine Electric Company,
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Kindly mail FREE circular describing:
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back you'll tell her what you've done and beg her pardon. After that I don't care if you never speak to her again." He got up, glanced at his watch again. "I'm going to Clermont after some machinery parts, but I'll be back for supper."

After he had gone she stood there, fighting down the thoroughly feminine impulse to burst into tears. Suddenly her dark head went up, her brown eyes took on a look of determination and her red lips became a firm, straight line.

"I'll not let him bend me to his will," she said half aloud, beating into her palm one clenched little fist. "I'm not going to let Phineas Blair or anyone else run my life for me ever again."

WHEN she again fell to sweeping and dusting she was humming a tune, a defiant militant tune, through her teeth.

Victory over Miss Wexby had affected her like a heady drink. It had given her a taste of the delights of exercising her free will and aroused in her a desire for more. It gave her the strength now to pit that will against the will of Phineas Blair, to defy his ukase that she must stay at home.

Grace Hughes, a schoolmate who had moved to Kanesville, a hundred miles away, often urged her to come for a visit. Blair invariably had repulsed her timorous efforts to obtain his permission. Now she was going without his permission. It would serve notice upon him of her newly-found independence and pave the way for a readjustment of her life along lines she herself desired.

It would be no easy task, she realized. Blair would be furious, but she believed that if he detected in her no signs of yielding he would come around in the end.

Her housework completed, she went upstairs to her room and began packing an old suitcase that had belonged to her mother. She put into it only those things she would need for a week or so. A five-mile walk lay before her and the suitcase, no matter how light, would grow heavy in time. Then she laid out her best dress and a coat and counted out into her purse the sixty dollars she had been saving dollar by dollar for several months.

Just before she went down to start supper she wrote a short note which she proposed to leave for Blair, telling him she was going, but would be back. She did not mention her destination.

Blair was not flying storm signals when he came home and he did not mention the matter of Miss Wexby. Characteristically, he regarded that as settled for everyone else because it was settled for himself. When he had eaten he went upstairs and presently gentle snores told Lois that he was asleep.

Within fifteen minutes she was dressed and had left the house.

Don't miss a word of the exciting adventures of Lois Sylvester as she boards the train at Paradise and is swept away like a gay bubble on a swiftly moving current that carries her close to the treacherous brink of despair and ruin. See Radio Digest of September 15.

WNYC "VOICE OF CITY"

(Continued from page 7)

And Mr. Goldman, in a moderate voice, talked to the world at large in a general way but particularly to the people of the great metropolis.

"Through this station you will hear your city speaking," he said. "You will hear more and more of what is being done for you as a city; of the great plans for the future and the big ambitions of those who serve you. The educational forces will talk to you from this point. You will hear the best that is in music and benefit from the cultural influences that will come to you through WNYC."

To disillusion those who might assume that oratory would be the only offering of officialdom, James J. Byrne, commissioner of public works in Brooklyn, submitted an excellent baritone solo as a sample of the artistic.

Back to the bright lights and light hearts, the Aida Brass Quartette poured its contribution into the funnel mouth of the microphone. As Mr. Henry, the first inquiring reporter, found a hint of love from every person questioned, even to the copper who had to take a moment to run to the curb to kiss his bride, so he would have found this same touch at WNYC, for Herman Neuman, the staff pianist, and his bride Dorianne Bawn blended their respective talents into life's eternal romance as they, too, became a part of the Voice of the City.

Club life added a note to the great ensemble through the Elks Entertainers from Elks Lode No. 22 of Brooklyn. Helen White Ruoss keyed up the dignity and majesty with her harp. From the theater came Grant Mitchell and Kenneth Webb, author of "One of the Family." Irma De Baun and Virginia Choate Pinner brought offerings from the opera.

It is more than likely that, by the time the great story teller returned to his dear Aurelia, he would have heard from open windows and screened porches along the way the Voice of the City issuing from a thousand loud speakers. And when he sat on the step beside her, his hand slyly touching and then enclosing hers, he would have answered her murmured question as to the reason for his silence by saying, "I was waiting for WNYC to announce Miss Lang, singing 'Love's Old Sweet Song'."

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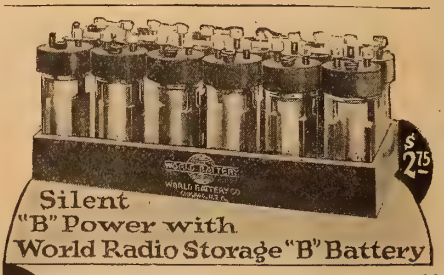

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Prices: 6-volt, 100 Amp. $10.50; 120 Amp. $12.50; 140 Amp. $13.25. All equipped with Solid Rubber Case.

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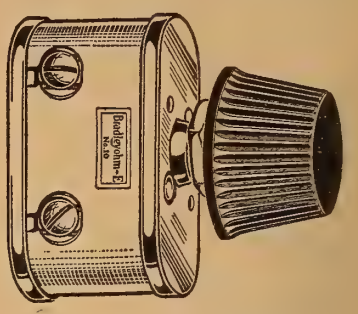

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RADIO DEALERS AND MANUFACTURERS. You can rent ground floor space in our store, on a percentage of your sales. Our location is ideal for a radio store as it is well located and advertised. We have been in the same location about twenty years. Write for details. The Starr Piano Co., 1224 Huron Road, Cleveland, O.

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A PAYING POSITION OPEN to representative of character. Take orders shoes-hosiery direct to wearer. Good income. Permanent. Write now. Tanners Shoe Mfg. Co., 8-707 C St., Boston, Mass.

Radiophone Broadcasting Stations

Corrected Every Issue—Part III—Sept. 1, 1926

ONE DOLLAR will be paid to the Radio fan reader of Radio Digest submitting the most errors in any one station's listing in the Directory of Radiophone Stations, which appears in six parts, serially continuously on the next to last page. Letters must reach Radio Digest's office not later than one week from date of issue corrected. Readers are not limited to correcting one station, but such corrections must be verified by the stations themselves, and NOT by comparison to other so-called accurate Radio directories or lists. Verifications must accompany corrections. Turn in corrections for as many stations as you can find—if you can find errors! Use separate sheet of paper for each station submitted and place name and address on each sheet. In case of tie, duplicate awards will be made. Until wave lengths become stable again, we will not be able to count these in the challenge.

United States (Cont'd)

WEAF, New York, N. Y. 491.5m-610kc. 5,000 watts. Radio Corp. of Amer. Slogan, "The Voice to the Millions." Daily ex Sun, 6:45-8 am. 11-12 noon. 4-12 midnight. Sun, 3-5 pm, 6-10:15. Eastern daylight.

WEAI, Ithaca, N. Y. 254.1m-1180kc. 500 watts. Cornell University. Irregular.

WEAM, North Plainfield, N. J. 260.7m-1150kc. 250 watts. Borough of North Plainfield. Announcer, H. W. Blackford. Slogan, "America's Pioneer Municipal Broadcasting Station." Fri, 8-12 pm, concert, talks. Sun, 11-12 noon. Eastern daylight.

WEAN, Providence, R. I. 270.1m-1110kc. 500 watts. The Shepard Stores. Announcer, Chester H. Miller. Daily ex Sun, 12-1 pm, 4-5, music, reports, weather, concert; 6:30-10:30. Sun, 10:45-11:30 am, 7:30-8:45 pm, church service. Eastern daylight.

WEAO, Columbus, Ohio. 293.9m-1020kc. 750 watts. Ohio State University. Daily ex Sun, 9:45 am, 11-1 pm, markets, weather; talks to farmers, markets, music; 4, markets. Tues, 7 pm. Wed, 4:10 pm, program for shut-ins; 8, music, lectures. Thurs, 8 pm, lectures, music. Eastern.

WEAR, Cleveland, Ohio. 389.4m-770kc. 750 watts. The Goodyear Tire & Rubber Co. Daily ex Sun, 11:30 am, markets, time, weather. Daily ex Sun, Sat, 3:30 pm, markets, weather. Eastern.

WEAU, Sioux City, Iowa. 275.1m-1090kc. 100 watts. Davidson Bros. Co. Announcer, W. O. Ducommun. Slogan, "The Heart of the Corn Belt." Daily ex Sun, 9 am, 10, 11, 12 m, 1 pm, 5, markets, weather, sports. Central.

WEBC, Superior, Wis. 241.8m-1240kc. 100 watts. Telegram-Ross Elec. Co. Mon, Fri, 6:15-7 pm, music; 7:10-7:30. Wed, Fri, 10-11 pm, dance music. Sun, 10:30 am. 12 noon, 3-4:15 pm. Central.

WEBH, Chicago, Ill. 370.2m-810kc. 2,000 watts. Edgewater Beach Hotel-Herald-Examiner. Announcer, Robert Boniel. Slogan, "The Voice of the Great Lakes." Daily ex Sun, 11-12 m, 1:10-2, 3-4 pm, 5-5:30. Daily ex Sun, Mon, 7-8 pm, 9-10, 11-12:30. Sat, 1-2 am. Sun, 5-6, twilight musicale; 7-9, Central daylight.

WEBJ, New York, N. Y. 272.6m-1100kc. 500 watts. Third Avenue Railway Co. Announcer, H. A. Bruno. Tues, Fri, 7-9 pm. Wed, 8-10 pm. Eastern daylight.

WEBL, 225.4m-1330kc. 100 watts. Radio Corporation of America. (Portable.)

WEBQ, Harrisburg, Ill. 225.4m-1330kc. 10 watts. Tate Radio Co. Announcer, Joseph R. Tate. Slogan, "Blue Bird Station." Daily ex Sun, 7:15-7:30 pm, news, weather. Sun, 3-4 pm, 7-8. Central.

WEBR, Buffalo, N. Y. 243.8m-1230kc. 100 watts. H. H. Howell. Slogan, "We Extend Buffalo's Regards." Daily ex Sun, 7:45-8:30 pm, bedtime stories. Mon, Wed, Fri, 8:30-11:30 pm. Sat, 9-11 pm. Sun, 10:15 am, service; 12-3 pm, concert; 3-4; 7:15-9, service; 10-12, concert. Eastern daylight.

WEBW, Beloit, Wis. 267.7m-1120kc. 500 watts. Beloit College. Announcer, Lee Boynton. Mon, 8-9 pm; Sun, 4:30 pm. Central.

WEBZ, Savannah, Ga. 263m-1140kc. 50 watts. Savannah Radio Corp. Mon, Wed, Fri, 8:30 pm. Eastern.

WEEI, Boston, Mass. 348.6m-860kc. 500 watts. Edison Elec. Illuminating Co. Announcer, Arthur F. Edes. Slogan: "The Friendly Voice." Daily ex Sun, 6:45 am, exercises; 7:45, watch. Mon, 4 pm, 5:30, 6:30-10:30, 10:30. Tues, 3 pm, 4, 6:30-10, 10. Wed, 4 pm, 6:30-10, 10. Thurs, 4 pm, 6:30-10:10, 10. Fri, 4 pm, 6:30-10, 10. Sun, 10:05 am, 12:30 pm, 2, 3, 5:30, 7:20, 9:20. Eastern daylight.

WEHS, Evanston, Ill. 202.6m-1480kc. 10 watts. Robert E. Hughes.

WEMC, Berrien Springs, Mich. 285.5m-1050kc. 5000 watts. Emanuel Missionary College. Slogan, "The Radio Lighthouse." Mon, Wed, 8:15 pm. Fri, 9 pm. Sun, 11 am, 8:15 pm. Central.

WENR, Chicago, Ill. 265.3m-1130kc. 1,000 watts. All-American Radio Corp. Announcer, Frank Westphal. Daily ex Sun, Mon, 7-7:30 am, 1-3 pm, 6-7, 8-10. Tues, Fri, 11-12 n. Wed, Fri, Sat, 12-2 am. Sun, 9:15-10:15 am, 2-4 pm, 6-7, 9:30-12. Central daylight.

WEW, St. Louis, Mo. 360m-833kc. 1,000 watts. St. Louis University. Announcer, J. V. Jacobsen. Daily ex Sun, 9 am, 10, 2, 5 pm, reports. Tues, Thurs, 7 pm, lectures, music. Sun, 12 n, 7:15 pm. Central.

WFAA, Dallas, Tex. 475.9m-630kc. 500 watts. Dallas News and Dallas Journal. Slogan, "Working for All Alike." Daily, 6:30-7:30 am, exercises; 8:30, 9:30, 10:30, 11:30, reports; 12:30, 1:30, 2:30, 3:30, 4:30, reports, news; 5:30, children's hour; 8:30-9:30, concert, weather (silent Wed). Mon, Tues, Thurs, Fri, Sat, 6:30-7:30 pm, vesper recital, sports. Tues, Sat, 11-12 pm, music. Sun, 6-7 pm, Bible class; 7:30, church service; 8:30-9:30, 11-12, music. Central.

WFAM, St. Cloud, Minn. 272.6m-1100kc. 10 watts. St. Cloud Daily Times. Slogan: "Granite City of the World." Announcer, Otto A. Rupp. Daily ex Sun, 4:45 pm, markets. Central.

WFAV, Lincoln, Nebr. 275.1m-1090kc. 500 watts. Univ. of Nebraska. Fri, 12 m. Central.

WFBC, Knoxville, Tenn. 249.9m-1200kc. 50 watts. First Baptist church. Announcer St. John Reynolds. Sun, 10:45 am; 7:30 pm, services; 4 pm, sacred music. Central.

WFBE, Seymour, Ind. 225.4m-1330kc. 10 watts. Van de Walle Music and Radio company. Announcer, John Van de Walle. Mon, Wed, Fri, 9-10 pm. Central.

WFBG, Altoona, Pa. 277.6m-1080kc. 100 watts. The Wm. F. Gable Co. Announcer, Roy F. Thompson. Slogan, "The Original Gateway to the West." Daily ex Sun, Mon, 12 n, 3 pm, 6:30, 7:30, 8, 8:30, 10:30. Sun, 10:45 am, 2:30 pm, 7:30. Eastern.

WFBH, New York, N. Y. 272.6m-1100kc. 500 watts. Concourse Radio Corp. Announcer, Lewis Reid. Sun, Mon, 4-12 mid. Tues, 4-7 pm, 9-12. Wed, 4-8 pm, 10. Fri, 4-7 pm, 9. Eastern daylight.

WFBJ, Collegeville, Minn. 236.1m-1270kc. 100 watts. St. John's university. Announcer, Hilary Doerfler. Slogan, "In the Heart of the Landscape Paradise." Off the air for the summer.

WFBL, Syracuse, N. Y. 252m-1190kc. 100 watts. Onondaga Hotel company. Announcer, Ernest E. Chappell. Daily ex Sun, 3-4 pm, 6-8. Mon, 9-10 pm. Tues, 8-10:30 pm. Thurs, 8-12:30 am. Fri, 8-11:30 pm. Sat, 10:30-12 mid. Sun, 3-9:30 pm. Eastern.

WFBM, Indianapolis, Ind. 267.7m-1120kc. 250 watts. Merchants Heat and Light company. Announcer, Bailey Fesler. Slogan, "The Crossroads of America."

WFBR, Baltimore, Md. 254.1m-1180kc. 100 watts. Fifth Infantry, Maryland National Guard. Slogan, "Home of the Star Spangled Banner." Announcer, S. R. Kennard. Daily matinee programs. Tues, Thurs, Sat, evening programs. Sun, afternoon program. Eastern.

WFBZ, Galesburg, Ill. 254.1m-1180kc. 20 watts. Knox college. Announcer, George B. Strain. Slogan, "At Old Siwash." Wed, 8-10 pm. Central.

WFDF, Flint, Mich. 234.2m-1280kc. 100 watts. Frank D. Fallain. Slogan, "The Vehicle City." Mon, Wed, Fri, 8-10:30. Eastern.

WFI, Philadelphia, Pa. 394.5m-760kc. 500 watts. Strawbridge & Clothier. Announcer, John Vandersloot. Daily ex Sun, 10:15 am, reports; 1-1:30 pm, orchestra; 1:30, reports; 1:40-2, orchestra; 3-4:30, concert; 6:40, sports; 6:45-7:30, orchestra; Tues, Thurs, Sat, 8 pm. Sun, 10:20 am, 7:30 pm, service. Eastern daylight.

WFKB, Chicago, Ill. 217.3m-1380kc. 500 watts. Francis K. Bridgman. Announcer, Horace Kehm. Daily ex Sun, Mon, 7-10 pm. Central daylight.

WFRL, Brooklyn, N. Y. 205.4m-1460kc. 100 watts. Flatbush Radio Laboratories.

WGAL, Lancaster, Pa. 247.8m-1210kc. 10 watts. Lancaster Elec. Supply & Construction Co. Announcer, Charles W. Feagley. Slogan: "World's Gardens at Lancaster." Tues, Thurs, 8 pm. Sat, 10:30-11:30 pm. Sun, 9-10 pm. Eastern.

WGAM, Camden, N. J. 236.1m-1270kc. 500 watts. Galvin Radio Supply Co.

WGBB, Freeport, N. Y. 243.8m-1230kc. 100 watts. Harry H. Carman. Mon, Wed, Fri, 8-11 pm. Sun, 10:40 am, church. Eastern.

WGBC, Memphis, Tenn. 277.6m-1080kc. 10 watts. First Baptist church. Announcer, J. O. Borner. Sun, 9:55 am, 7:30 pm. Central.

WGBF, Evansville, Ind. 236.1m-1270kc. 500 watts. The Finke Furniture Co. Announcer, Harold Finke. Daily ex Sun, 7:15 am, 12:10 pm. Mon, Wed, Fri, 10:30 am. Tues, Fri, 12:30 pm, 7. Fri, 11-1 am. Central.

WGBI, Scranton, Pa. 239.9m-1250kc. 100 watts. Scranton Broadcasters, Inc.

WGBS, New York, N. Y. 315.6m-950kc. 500 watts. Gimbel Brothers. Announcer, Floyd Neale. Daily ex Sun, 10-11 am; 1:30-4 pm. Tues, Thurs, Sat, 6 pm. Sun, 3-4 pm, 9:30. Eastern daylight.

WGBU, Fulford By-the-Sea, Fla. 277.6m-1080kc. 500 watts. Fulford By-the-Sea Chamber of Commerce. Announcer, Edward C. J. Sandback. Mon, Wed, Fri, 12-1 pm, 6:30-7:30, 11-2 am. Tues, Thurs, Sat, 12-1 pm; 6:30-7:30; 10-1 am. Sun, 9:30-11:30 pm. Eastern.

WGBX, Orono, Me. 234.2m-1280kc. 500 watts. University of Maine.

WGCP, New York, N. Y. 252m-1190kc. 500 watts. Lauter Piano Co. Announcer, Horace Beaver. Daily 12 n, 5:30 pm. Mon, 6-7 pm, 8:30-12. Tues, Wed, 7-8:30 pm. Thurs, 8:30-12 mid. Fri, 7-8:30 pm. Sat, 8:30-12. Sun, 12-5:30 pm, 7-9:30. Eastern daylight.

WGES, Chicago, Ill. 249.9m-1200kc. 500 watts. Guyons Paradise Ballroom. Announcer, George Gubbins. Daily ex Sun, Mon, 5-7 pm, 8-9, 11-1 am. Sun, 10:15 am, 11:45, service; 5-7:40 pm, 11-1 am. Central daylight.

WGHB, Clearwater, Fla. 265.3m-1130kc. 500 watts. Ed A. Haley. Announcer, Walter Tison. Mon, Wed, Fri, 8:30-10 pm. Eastern.

WGHP, Detroit, Mich. 270.1m-1110kc. 1,500 watts. George Harrison Phelps, Inc. Announcer, Harry C. Browne. Daily ex Sat, Sun, 6 pm. Eastern.

WGMU, Richmond Hill, N. Y. 236.1m-1270kc. 100 watts. A. H. Grebe & Co., Inc.

WGN, Chicago, Ill. 302.8m-990kc. 1000 watts. Chicago Tribune. Announcer, Bill Hay. Daily ex Sun, 9-9:45 am, news; 10-10:45; 11-11:30; 11:57-12:01 pm, time; 12:01-12:30, music; 3:25; 3:30-4:15, tea time music; 4:30-5, organ; 5:30-5:57, Skeezix; 5:57-6:01, time; 6:20-6:30, bonds; 6:30-7, music. Tues, Thurs, Fri, 11:30-11:57 am, household hints. Tues, Thurs, 12:30-12:40 am, farm talk. Tues, Wed, 3-3:25 pm, talks. Daily ex Sun, Mon, 8-11 pm. Sun, 10:45-11:45 am, Uncle Walt; 11:45-1:45 pm, music; 2-5:15, music; 7-10, Sunday evening concert. Central daylight.

WGR, Buffalo, N. Y. 319m-940kc. 750 watts. Federal Radio Corp. Announcer, Kenneth Fickett. Slogan, "Key City of Industry." Daily ex Sun, 6:45-7:45 am. Daily ex Sun, Sat, 12 n, stocks, markets; 12:45 pm; 2:30-4:30, 6:30, 7:30. Tues, Thurs, 8-11 pm. Mon, Wed, Fri, 9 pm, 11, weather. Mon, Fri, 11-1 am. Sun, 10:45 am, 7:45, 9:15-9:45. Eastern daylight.

WGST, Atlanta, Ga. 270.1m-1110kc. 500 watts. Georgia School of Technology. Announcer, J. H. Persons. Slogan, "The Southern Technical School with a National Reputation." Off the air for the summer.

WGY, Schenectady, N. Y. 379.5m-790kc. 5,000 watts. General Electric Company. Announcer Kolin Hager. Daily ex Sun, 11:55 am, time; 1:30 pm, stocks, markets; 1:45, weather. Daily ex Sun, 12:03 pm, fruit, vegetable reports; 5, stocks; 5:10, markets; 5:15, sports, news. Mon, Tues, Thurs, Fri, 1 pm, woman's hour. Tues, Thurs, 1:30 pm, organ. Mon, Tues, Thurs, 5:30-6 pm, dinner program. Thurs, 6:45 pm, 8, 9, 10:30 pm, organ. Fri, 7 pm; Wed, 6:30, stories. Fri, 6:30 pm, Sunday school lesson; 7:15, 9:30, late program. Tues, 6:45 pm, farm program, 7:30, 8. Wed, 6 pm, orchestra; 8:05, Rochester program. Sat, 8:30 pm, dance program. Sun, 9:30-11 am, service; 6-9:30, WJZ. Eastern.

WHA, Madison, Wis. 535.4m-560kc. 750 watts. Univ. of Wis. Mon, Wed, Fri, 8-9 pm. Central.

WHAD, Milwaukee, Wis. 275.1m-1090kc. 500 watts. Marquette University-Milwaukee Journal. Announcer, Dan Gellerup. Daily ex Sun, 12 n, weather; music; farm flashes; news; markets; 3-5, 4-5 pm, music; stock; news; baseball scores; 6-7, final markets; organ; orchestra; baseball. Mon, Tues, 8:30-10 pm. Wed, 8-10 pm, 11:30-12:30 am. Thurs, 8:30-10 pm. Sun, 3:15 pm. Central.

WHAM, Rochester, N. Y. 277.6m-1080kc. 100 watts. Univ. of Rochester. Rochester Time-Union. Democrat and Chronicle. Announcer, Allan K. Ross. Daily ex Sun, 3:30-4 pm, 5-5:45, 7-8. Wed, 8-10 pm. Thurs, 10-12 mid. Fri, 8-9:30 pm. Sat, 10:30-12 mid. Sun, 3:15 pm. Eastern.

WHAP, New York, N. Y. 431m-697kc. 500 watts. William H. Taylor Finance Corp. Announcer, Franklin Ford. Slogan, "The Station for Public Service." Mon, Wed, Fri, 6:30-11 pm. Sun, 2:30-4 pm. Eastern.

WHAR, Atlantic City, N. J. 275.1m-1090kc. 500 watts. Seaside Hotel. Announcer, E. Dennison. Daily ex Sun, 2 pm, 7:30, 8. Mon, Thurs, 11 pm. Sun, 10:45 am; 2:15 pm, 2:45, 7:50, 9. Eastern.

WHAS, Louisville, Ky. 399.8m-750kc. 500 watts. Courier-Journal and Louisville Times Co. Announcer, D. H. Ives. Daily ex Sun, 1-2 pm, 3:15-5, 7:30-9. Sun, 9:57-10:45 am, 4:30-5:30 pm, church service. Mon night, silent. Central.

WHAZ, Troy, N. Y. 379.5m-790kc. 500 watts. Rensselaer Polytechnic Inst. Announcer, Rutherford Hayner. Slogan, "Transcontinental and International Broadcasting Station Located at the Oldest College of Science and Engineering in America." Club, R. P. I. students. Mon, 8-12 midnight, concert, educational talks, orchestra, features. Second Monday of month, 12-1:30 am. International test program. Eastern.

WHB, Kansas City, Mo. 365.6m-820kc. 500 watts. Sweeney Auto & Electric School. Announcer, John T. Schilling. Slogan, "Heart of America." Daily ex Sun, 8:25 am, 9:25, 9:30, 9:35, 10:25, 10:30, 10:35, 11:20, 11:30, 11:35, 11:56, 12 noon, market reports. Daily ex Sun, Sat, 12:15 pm, 12:30, 1:25, 1:40, stocks; 2, musicale; 3:05, U. S. W. B.; 3:05, markets; Tues, Thurs, 7-7:45 pm, dinner hour music; 8-10, evening concert. Mon, Wed, Fri, 7-8 pm. Sat, 12:05 pm, 12:30, 1:25, markets. Sun, 9:45-10:45 am, service; 11-12:15 pm; 8-9:15, service; 11:15-1 am, organ. Central.

WHBA, Oil City, Pa. 249.9m-1200kc. 10 watts. Shaffer Music House.

WHBC, Canton, Ohio. 245.1m-1180kc. 10 watts. Rev. E. P. Graham. Mon, 8-8:30 pm. Central.

WHBD, Bellefontaine, Ohio. 222.1m-1350kc. 20 watts. Chamber of Commerce.

WHBF, Rock Island, Ill. 222.1m-1350kc. 100 watts. Beardsley Specialty company. Announcer, C. L. Beardsley. Slogan: "Where Historic Blackhawk Fought." Mon, Wed, 9-11 pm, Sat, 2-4 pm, 7-9. Central.

WHBG, Harrisburg, Pa. 230.6m-1300kc. 20 watts. John S. Skane. Tues, Thurs, 9-12 midnight. Fri, 7:45-9:15 pm. Sat, 6-12 midnight. Sun, 9:15-11 pm. Eastern.

WHBJ, Ft. Wayne, Ind. 234.2m-1280kc. 500 watts. American Products Corp.

WHBL, Chicago, Ill. 215.7m-1390kc. 50 watts. James H. Slusser. (Portable.)

WHBM, Chicago, Ill. 215.7m-1390kc. 20 watts. C. L. Carrell. (Portable.)

WHBN, St. Petersburg, Fla. 238m-1260kc. 10 watts. First Avenue Methodist church.

WHBP, Johnstown, Pa. 256.3m-1170kc. 100 watts. Johnstown Automobile Co. Announcer, J. C. Tully. Slogan: "The Voice of the Friendly City." Daily ex Sun, 12:30 pm. Sat, 10 pm. Sun, 2:30 pm. Eastern.

WHBQ, Memphis, Tenn. 232.4m-1290kc. 50 watts. Men's Fellowship class. St. John's M. E. church. Announcer, Dr. George L. Powers. Wed, 8-9:30 pm, music. Sun, 9:45-10:45 am, 11, 7:45 pm, services. Central.

WHBU, Anderson, Ind. 218.8m-1370kc. 10 watts. Bing's Clothing-Riviera Theater. Announcer, O. B. Robey. Slogan, "The Home of Chief Anderson." Daily ex Sun, 4:30 pm, music. Wed, Sun, 7-9 pm. Central.

WHBW, Philadelphia, Pa. 215.7m-1390kc. 100 watts. D. R. Kienzle. Mon, Wed, Sat, evenings.

WHBY, West De Pere, Wis. 249.9m-1200kc. 50 watts. St. Norbert's college.

WHDI, Minneapolis, Minn. 277.6m-1080kc. 500 watts. Wm. Hood Dunwoody Industrial Institute. Announcer, M. R. Bass. Mon, 8-9 pm. Wed, Fri, 9-10 pm. Central.

WHEC, Rochester, N. Y. 258.5m-1160kc. 100 watts. Hickson Electric company, Inc. Announcer, Ernest Veigel. Slogan, "The City of Varied Industries." Daily ex Sun, 12:55 pm, 6:30 pm. Mon, Wed, Fri, 12:30 pm. Sun, 8-10 pm. Eastern.

WHK, Cleveland, Ohio. 272.6m-1100kc. 1,000 watts. Radio Air Service Corp. Slogan, "Cleveland, the Convention City." Tues, Thurs, Fri, Sun, 6-7:30 pm, music. Mon, Tues, Thurs, Fri, 8-9 pm, music. Mon, 7-8 pm. Tues, Thurs, 6-8 pm. Wed, 9-9:30 pm. Sun, 10-11 am, 7:30-8:30 pm. Wed, 8-9 pm. Eastern. Mon, 7-9 pm. Tues, Thurs, Fri, 6-7:30 pm, 8-9. Wed, 8-9:15 pm. Fri, 9-9:30 pm. Sun, 6-7:30 pm; 7:30-8:45, 8:45-10. Eastern.

WHN, New York, N. Y. 360m-833kc. 500 watts. Loew's State Broadcasting Station. Announcer, N. T. Grandlund. Slogan, "The Voice of the Great White Way." Daily ex Sun, 12-1 pm, 2:15-3:15, 3:45-5:30, 6:30-12 mid. Sun, 3-6 pm, 9:30-12. Eastern daylight.

WHO, Des Moines, Ia. 526m-570kc. 5,000 watts. Bankers Life Co. Announcer, N. Dean Cole. Daily ex Sun, 9:45 am, 12 m, 2 pm, markets, weather. Mon, Tues, Thurs, Fri, 7:30-9 pm; 11-12. Wed, 6-12 mid. Sun, 11 am; 4-6 pm, 7:30-9, 11-12. Central.

WHT, Chicago, Ill. 238m-1260kc. 399.8m-750kc. 3500 watts. Wrigley Bldg. Announcer, Patrick Henry Barnes. Daily ex Sun, Mon (399.8), 10-2 pm, 6-7:30, 9:30-1 (238), 7:45-9:15 pm. Mon (399.8), 11-2 pm, 7-1 am. Sun, 12-11:30 pm, Paul Rader. Central daylight.

WIAD, Philadelphia, Pa. 249.9m-1200kc. 100 watts. Howard R. Miller. Slogan, "The Voice from the Birthplace of Liberty." Tues, Fri, 9 pm. Eastern.

WIAS, Burlington, Ia. 254.1m-1180kc. 100 watts. Home Elec. Co. Announcer, Harry H. Waugh. Mon, Fri, 8 pm. Sat, 10:30 pm. Sun, 10:30 am. Central.

WIBA, Madison, Wis. 236.1m-1270kc. 100 watts. The Capital Times Strand Theater. Announcer, J. Harold Rupp. Slogan, "Four Lakes City." Mon, Wed, 8:30-10 pm, Club. Central.

WIBG, Elkins Park, Pa. 222.1m-1350kc. 50 watts. St. Paul's Protestant Episcopal church. Announcer, Stuart C. Mahanay. One Monday a month Ogontz Forum lecture. Sun, 11 am, 3:45 pm. Eastern.

WIBH, New Bedford, Mass. 209.7m-1430kc. 30 watts. Elite Radio Stores. Announcer, J. T. Moriarty. Slogan, "The Voice of New Bedford." Daily ex Sun, 12-1:30 pm. Sun, 1-3 pm. Eastern.

WIBI, Flushing, N. Y. 218.8m-1370kc. 50 watts. Frederick B. Zittell, Jr.

WIBJ, Chicago, Ill. 215.7m-1390kc. 50 watts. C. L. Carrell. (Portable.)

WIBM, Chicago, Ill. 215.7m-1390kc. 10 watts. Billy Maine. (Portable.)

WIBO, Chicago, Ill. 225.4m-1330kc. 1,000 watts. Nelson Brothers. Announcer, Wayne Myers. Daily ex Sun, 2-4 pm. Daily ex Sun, Mon, 6-8 pm. Tues, Thurs, 12-3 am. Wed, 10-12 midnight. Fri, 10-2 am. Sun, 10:15 am, service; 2-4 pm, concert; 6-8, 10-12. Central daylight.

WIBR, Weirton, W. V. 245.8m-1220kc. 50 watts. Tri-State Radio Co. Announcer, W. D. Johnston. Slogan, "The Town Where Everybody Works." Fri, 8:30-11 pm. Sat, 11-1 am. Sun, 2-3 pm. Eastern.

WIBS, Elizabeth, N. J. 202.6m-1480kc. 10 watts. New Jersey National Guard.

WIBU, Poynette, Wis. 222.1m-1350kc. 20 watts. The Electric Farm.

WIBW, Logansport, Ind. 220.4m-1360kc. 100 watts. Dr. L. L. Dill.

WIBX, Utica, N. Y., 234.2m-1280kc. 150 watts. Hotel Utica.

WIBZ, Montgomery, Ala. 230.6m-1300kc. 10 watts. A. D. Trum.

WIL, St. Louis, Mo. 272.6m-1100kc. 250 watts. St. Louis Star and Benson Radio Co. Announcer, Harry Waters. Slogan, "Watch It Lead." Mon, 10-12 m. Tues, Wed, 9-11 pm. Thurs, 8-10. Fri, 9-11 pm. Sat, 10-12. Central.

WIOD, Miami Beach, Fla. 247.8m-1210kc. 1000 watts. Carl G. Fisher. Announcer, Jesse H. Jay. Slogan: "Wonderful Isle of Dreams."

WIP, Philadelphia, Pa. 508.2m-590kc 500 watts. Gimbel Bros. Announcer, E. A. Davies. Slogan, "Watch Its Progress." Daily ex Sun, 6:45-7:30 am, 1-2 pm, 3-4:30, 6-6:45, music; 7-7:30 pm. Tues, Thurs, Sat, 8-12 pm, concert. Sun, 10:45-12 noon, 4:15-5:30 pm, 7:45-9, 9:30-12. Eastern daylight.

WJAD, Waco, Texas. 352.7m-850kc. 500 watts. Barton's Dyanshine Station. Mon, Tues, Thurs, Fri-8:30-10 pm. 1st and 3rd Wed, 8:30-9:30 pm. Central.

WJAG, Norfolk, Nebr. 379.5m-790kc. 200 watts. Norfolk Daily News. Announcer, Karl Stefan. Slogan, "The World's Greatest Country Daily, and Home of Printer's Devil," Daily ex Sun, 12:15 pm; Sun, 3:30-6 pm.

WJAJ, Ferndale, Mich. 399.8m-750kc. J. A. Fenberg Radio Co.

WJAK, Kokomo, Ind. 254.1m-1180kc. 100 watts. Clifford L. White. Kokomo Tribune. Slogan, "The Radio Parson." Daily ex Sun, 12 noon, chapel. Mon, 7:30 pm, music. Central.

WJAM, Cedar Rapids, Iowa. 267.7m-1120kc. 100 watts. D. M. Perham. Tues, Thurs, Sat, 7-10 pm. Sun, 4 pm, vesper service. Central.

WJAR, Providence, R. I. 485.1m-618kc. 500 watts. The Outlet Co. Announcer, J. A. Reilly. Slogan, "The Southern Gateway of New England." Daily ex Sun, 1:05-2:15 pm, weather, reports, music. Mon, Wed, Fri, 10 am, household hints. Mon, 8:30-11 pm. Tues, 8-10 pm. Wed, 8-11 pm. Thurs, 8:15-11 pm. Fri, 8:30-10:30 pm. Eastern, daylight.

WJAS, Pittsburgh, Pa. 275.1m-1090kc. 500 watts. Pittsburgh Radio Supply House. Pickering's Studio. Announcer, Brian McDonald. Slogan, "World's Jolliest Aerial Station." Daily 12 n, mass; 8-11 pm, concert. Sun, 11 am, mass; 2 pm, service. Eastern daylight.

WJAX, Jacksonville, Fla. 336.9m-890kc. 1000 watts. City of Jacksonville. Daily ex Sun, 12 n. weather; 4 pm, baseball; 7, children's hour; 7:30, markets, weather; 9, music; 11:10, organ recital. Eastern.

WJAZ, Chicago, Ill. 322.4m-930kc. 1,500 watts. Zenith Radio Corp. Announcer, Ralph H. G. Mathews. Tues, Wed, Fri, 9-1 am. Thurs, 10-12 m. Sat, 9-2 am. Sun, 7-9 pm. Central daylight.

WJBA, Joliet, Ill. 206.8m-1450kc. 50 watts. D. H. Lentz, Jr. Tues, Thurs, Sat, 7-12 midnight. Central.

WJBB, St. Petersburg, Fla. 254.1m-1180kc. 10 watts. Financial Journal.

WJBC, La Salle, Ill. 234.2m-1280kc. 100 watts. Hummer Furniture Co. Announcer, Harry Halpin. Daily ex Sun, 12:30-1:30 pm. Mon, 8-10 pm. Fri, 10-11 am. Sun, 10-11:30 am. Central.

WJBG, Charlotte, N. C. 223.7m-1340kc. 10 watts. Interstate Radio, Inc.

WJBI, Red Bank, N. J. 218.8m-1370kc. 250 watts. Robert S. Johnson.

WJBK, Ypsilanti, Mich. 232.4m-1290kc. 10 watts. Ernest F. Goodwin.

WJBL, Decatur, Ill. 270.1m-1110kc. 500 watts. William Gushard Dry Goods Co. Announcer, H. B. Rickards. Mon, Sat, 9:30-11 pm. Wed, 9-10:30 pm. Sun, 10:45-12:15 pm, 3-4. Central.

WJBO, New Orleans, La. 268m-1120kc. 100 watts. Valdemar Jensen.

WJBR, Omro, Wis. 227.1m-1320kc. 50 watts. Gensch and Stearns. Announcer, C. W. Stearns. Slogan, "The Center of the State of Lakes." Mon, Thurs, 8-10:30 pm. Sun, 2:20-4 pm, 8-10:30. Central.

WJBU, Lewisburg, Pa. 211.1m-1420kc. 100 watts. Bucknell university. Slogan, "In the Heart of the Keystone State."

WJBV, Woodhaven, N. Y. 469.9m-638kc. Union Course Laboratories.

WJBW, New Orleans, La. 340.7m-880kc. C. Carlson, Jr.

WJBX, Osterville, Mass. 230m-1071kc. Henderson and Ross.

WJBY, Gadsden, Ala. 270.1m-1110kc. Electric Construction Co.

WJJD, Mooseheart, Ill. 370.2m-810kc. 1,000 watts. Loyal Order of Moose station. Announcer, Jack Nelson. Slogan, "The Call of the Moose." Daily ex Sun, Mon, 12-1 pm, 2-3; 4-5 pm, children's program; 5:30-7. Daily ex Sun, Mon, 8-9 pm, 10-11, 12:30-1:30. Sun, 7:45-8:40 am, services; 9:45-11 am, services; 2:30-5 pm. Central daylight.

WJR, Pontiac, Mich. 516.9m-580kc. 5,000 watts. Jewett Radio and Phonograph Co. Slogan, "Where Joy Reigns." Announcer, Leo Fitzpatrick. Daily ex Sun, 10 am, 7-8 pm, 9-10. Thurs, Sat, 10-11 pm. Mon, Wed, Sat, 11:30-1 am. Sun, 10 am, service. Eastern.

WJY, New York, N. Y. 405.2m-740kc. 5,000 watts. R. C. A.

WJZ, New York, N. Y. 454.3m-660kc. 50,000 and variable power. R. C. A. Announcer, Milton J. Cross. Daily ex Sun, 1-2 pm, 4-6, entertainment; 7-11:30 pm, special program. Sun, 11-1 pm, church services; 2:30-5 pm, 7-10:30 pm. Eastern daylight.

WKAF, Milwaukee, Wis. 260.7m-1150kc. 500 watts. Hotel Antlers. Announcer, Robert F. Hall. Mon, Fri, 10-11 pm; Wed, 7-8 pm, 9-10. Sat, 8:30-10 pm; 11:30-1 am. Sun, 4-6 pm. Central.

WKAQ, San Juan, Porto Rico, 340.7m-880kc. 500 watts. Radio Corporation of Porto Rico. Announcer, Joaquin Agusty. Slogan, "The Island of Enchantment. Where the World's Best Coffee Grows." Wed, 8-10 pm, band. Mon, 9-10:30 pm. Rialto theater orchestra; Fri, 9-10 pm, Porto Rican Atheneum, talks. Intercolonial.

WKAR, East Lansing, Mich. 285.5m-1050kc. 1,000 watts. Michigan State College. Announcer, Jim Gamble. Daily ex Sun, 12-12:30 pm, weather, markets. Eastern.

WKAV, Laconia, N. H. 223.7m-1340kc. 50 watts. Laconia Radio club. Fri, 7 pm. Sun, 10:30 am; 5 pm, 6:30. Eastern.

WKBA, Chicago, Ill. 238m-1260kc. Arrow Battery Co.

WKBB, Joliet, Ill. 214.2m-140kc. 100 watts. Sanders Brothers. Wed, 6:30-8:30 pm. Thurs, Sun, 8:30-12 midnight. Central.

WKBE, Webster, Mass. 270.1m-1110kc. 100 watts. K. & B. Electric Co. Mon, 8-12 midnight. Eastern.

WKBG, Chicago, Ill. 215.7m-1390kc. 100 watts. C. L. Carrell. (Portable.)

WKBS, Birmingham, Ala. 225m-1333kc. H. L. Ansley.

WKRC, Cincinnati, Ohio. 422.3m-710kc and 325.9m-920kc, alternate months. 1,000 watts. Kodel Radio Corp. Announcer, Eugene S. Mittendorf. Mon, 6:15-7 pm, 8-10, 12-1 am. Tues, Thurs, Sat, 10-12 midnight. Wed, 6:15-7 pm; 8-10 pm, 12-1 am. Sun, 6:45-7:30 pm, 10-12, 12-1 am. Central daylight.

WKY, Oklahoma City, Okla. 275.1m-1090kc. 100 watts. E. C. Hull, H. S. Richards. Daily ex Sun, 9 am, 2:30 pm, markets, weather; 7-8:30, music. Sun, 11 am, 7:30 pm, services. Central.

WLAL, Tulsa, Okla. 249.9m-1200kc. 100 watts. First Christian church. Announcer, R. W. Burkhart. Slogan, "The Voice of the Church." Sat, 7:30 pm, Bible class. Wed, 9:30 pm. Sun, 7:30 pm, church. Central.

WLAP, Louisville, Ky. 275.1m-1090kc. 20 watts. W. V. Jordon. Tues, Fri, 9:20-10 pm. Central.

WLB, Minneapolis, Minn. 277.6m-1080kc. U. of Minnesota.

WLBL, Stevens Point, Wis. 277.6m-1080kc. 500 watts. Wisconsin Dept. of Markets. Slogan, "Wisconsin, Land of Beautiful Lakes." Daily ex Sun, 8:45 am, 9:45, 10:45, 11:45, 12:30 pm, 1:45, markets. Tues, Thurs, 8 pm. Mon, Fri, 6 pm. 3rd and 5th Sat of month, 8 pm. 2nd and 4th Sat, 10 pm. Central.

WLIB, Chicago, Ill. 302.8m-990kc. 4000 watts. Liberty Magazine. Announcer, Bill Hay. Daily ex Sun, Mon, 7-8 pm, 11-1 am. Sun, 5-6 pm. Central Daylight.

WLIT, Philadelphia, Pa. 394.5m-760kc. 500 watts. Lit Bros. Announcer, Harry E. Ehrhart. Club, "Morning Glory." Daily ex Sun, 12:02 pm, music; 2, music. Mon, 4:30 pm, 7:30, 8, 10. Tues, 11 am. Wed, Thurs, 4:30 pm. Wed, 7:30 pm, 8, 10, 11. Fri, 7:30 pm, 8:45, 10. Eastern daylight.

WLS, Chicago, Ill. 344.6m-870kc. 5,000 watts. Sears, Roebuck & Co. Slogan, "World's Largest Store." Announcer, Donald F. Malin. Daily ex Sun, 6:30-8 am; Y.M.C.A. 9-2:30, half hour markets; 1-2 pm, farm program; 2:30-3:30 pm, Homemakers' hour; Wed, Fri, 6-12 mid; Sat, 6:30-1 am; Tues, Thurs, 6-8 pm; Sun, 10:50-1 pm, U. of Chicago, Church and concert; 7-9 pm, Little Brown Church. Central daylight.

WLSI, Providence, R. I. 440.9m-680kc. 500 watts. Lincoln Studios, Inc.

WLTS, Chicago, Ill. 258.5m-1160kc. 250 watts. Lane Technical High School. Mon, Wed, Fri, 1-2 pm. Central daylight.

WLW, Cincinnati, Ohio. 422.3m-710kc. 5,000 watts. The Crosley Radio Corp. Announcer, William Stoess. Daily ex Sun, 10:45 am, 11:55, time; 1:30 pm. Daily ex Sun, Fri, 7, dinner hour; 6:55, markets. Daily ex Sat, Sun, 7:45 am, morning devotions; 8, exercises; 12:15, program; 3, 4, reports. Mon, Tues, 8-10 pm. Wed, Thurs, 10-12 midnight. Sun, 9:30 am, 11, 7:30 pm, 8:30. Central daylight.

WLWL, New York, N. Y. 288.3m-1040kc. 5000 watts. The Paulist League. Announcer, James F. Cronin. Slogan, "For God and Country" Mon, 8:30 pm; Tues, Wed, 9 pm. Thurs, 8:30 pm. Sun, 8 pm. Eastern daylight.

WMAC, Cazenovia, N. Y. 275.1m-1090kc. 100 watts. C. B. Meredith. Announcer, C. R. Jones. Mon, 8:30-9 pm, farm program; 9-10:30, music. Daily ex Sun, Sat, 3:30 pm, markets. Sat, 9-10:30 pm, stocks. Wed, Fri, 9-11 pm. Sun, 4-5 pm, services; 9:30-11:30, music. Eastern.

WMAF, South Dartmouth, Mass. 440.9m-680kc. 1,000 watts. Round Hills Radio Corp.

WMAK, Buffalo, N. Y. 265.3m-1130kc. 500 watts. Norton Laboratories, Inc. Announcer, Kenneth Salisbury. Daily ex Sun, 7:15 pm, news. Tues, Thurs, Sat, 6:15-7:15 pm, dinner music. Mon, Sat, 7:30-11 pm. Wed, 7:30-10 pm. Sun, 10:25 am, church; 7:30 pm, church service. Eastern daylight.

WMAL, Washington, D. C. 212.6m-1410kc. 100 watts. M. A. Leese Optical Co.

WMAN, Columbus, Ohio. 277.6m-1080kc. 50 watts. First Baptist church. Announcer, John Bohannan. Sun, 10:30-12 noon, 7:30-9 pm, church services. Eastern.

(Note—The fourth part of the directory will appear next issue.)

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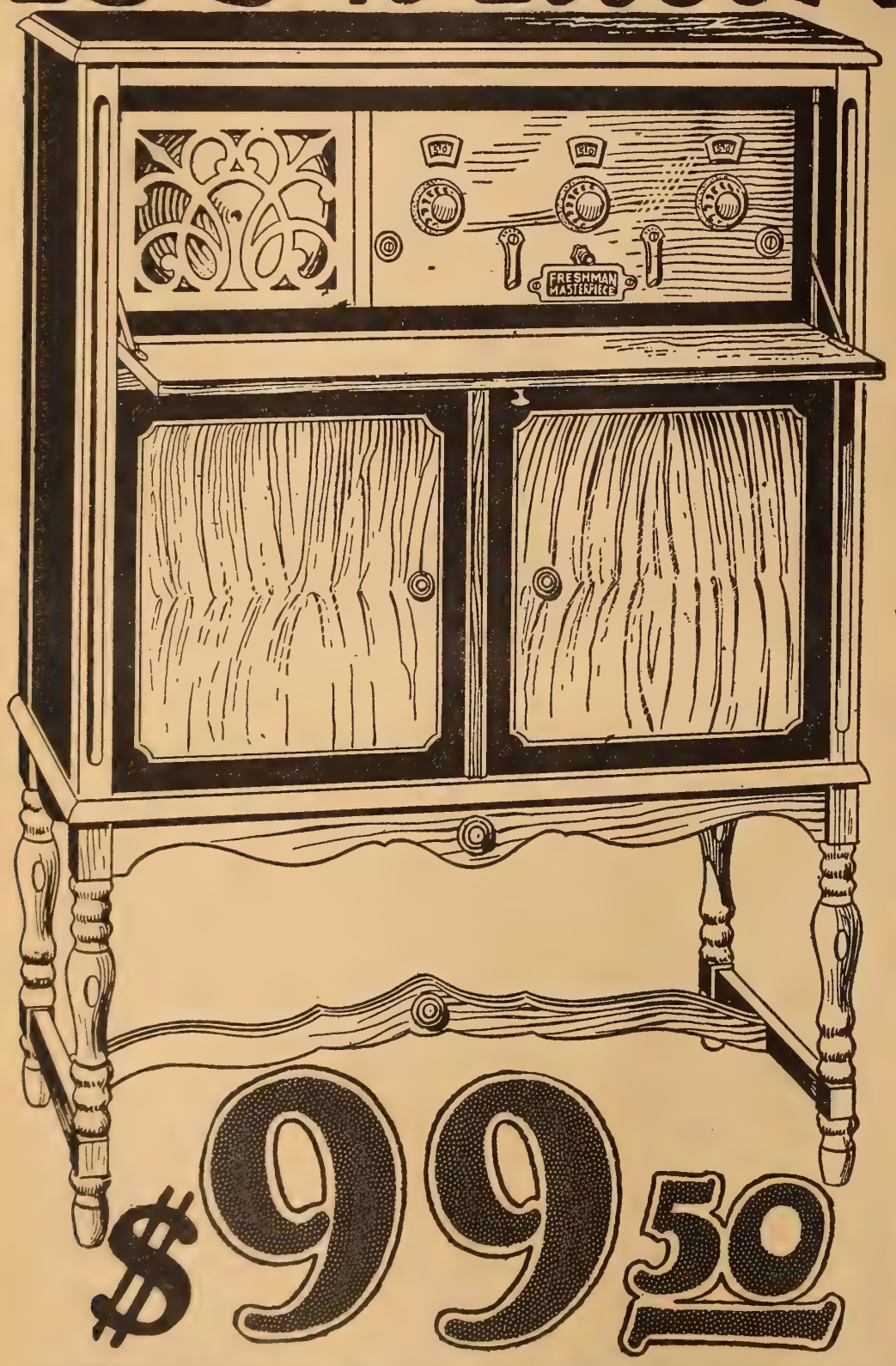

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SECOND SEPTEMBER NUMBER, 1926

Title Reg. U. S. Pat. Off. & Dom. of Canada

Vol. XVIII No. 5

1927 Models of Leading Radio Manufacturers Described; Directory of Broadcasters; "Goody Goody Girl" by M. M. Taylor; Air Confetti at KYW Carnival; Advance Programs

GOLD CUP'S WINNER REMAINS UNKNOWN

MAIL MAN IS STILL BRINGING BIG BAGS OF VOTES

Pat Barnes of WHT Makes Sensational Gain—Competitors Close Behind —Finish Next Issue

As this issue of Radio Digest goes to press, the fate of the 1926 Gold Cup to be awarded by this publication to the world's most popular Radio announcer, remains still a conjecture.

All ballots mailed on or before midnight of Saturday, September 4, are being received and counted in the final tabulation. As a result it will probably be several weeks after that date, or just about the time this number passes into the reader's hands, before the winner can safely be declared.

Everyone, of course, is anxiously interested in knowing what the final vote is showing. However, every mail changes the aspect, and at this time but few things can be said.

Pat Barnes Makes Great Jump

One of the somewhat expected surprises has been the great number of complete sets of votes sent in for Patrick Henry Barnes, announcer at WHT, Chicago. Many of Mr. Barnes' friends have been working from morning to night to win the contest for him. It would not be ethical to say what his gain so far is, but it is very large, and places him in the lead at this moment.

How many final counters will be marked up for his close competitors, G. C. Arnoux of KTHS, Earl E. May of KMA, Chester Gaylord of WTAG, and Norman Brokenshire of WJZ, is still unknown. Several of the above are very close to Barnes as this goes to press, and the end cannot be predicted.

Finish to Be Told Next Issue

In Canada Lillian Shaw of CKY is still leading.

What will be the outcome? Who will win the gold and silver cups for first and second places in the main competition, and what Canadian announcer will take home the special silver cup offered for Canada's most popular voice?

Read full and complete details of the finish and winners in the next issue of Radio Digest, dated October 1, and on the newsstands September 30.

Kolster Radio Compass Will Be Rene Fonck's Gas Savior

NEW YORK.—Because unfavorable weather delayed testing the Sikorsky bi-plane in which Capt. Rene Fonck was scheduled to attempt to fly from New York to Paris, the date of the hop-off was advanced to September 10, instead of September 1, as was at first planned.

Whenever the weather conditions are favorable after that date (which may have happened before this reaches the reader), the French flying ace will be ready to take to the air.

"I am depending upon the Kolster Radio compass to keep us on our course during the periods of low visibility we are bound to encounter," said Capt. Jack Irwin, who probably will be the Radio operator on the trip. "We have only about 500 miles of leeway on our course because of fuel limitations, so the Radio compasses will be of major importance during the 35 hours we expect to be in the air."

Lady Astor Makes Only One Speech, But Broadcasts It

NEW YORK.—Viscountess Astor, the leading British stateswoman and member of parliament, who is now on a brief visit to America, made only one public speech and its distribution to the public was handled by Stations WJZ, WRC and WGY.

The sole speech of Lady Astor in America was made before the dinner tendered in her honor by the National and the New York State League of Women Voters at the Hotel Waldorf Astoria.

HARRIET LEE, COVER LADY, REGAL QUEEN

IF EVER a queen were to the manner born then such a queen would be Miss Harriet Lee, the regal lady who adorns Radio Digest cover this issue. The WOK studio staff members at the Chicago Beach hotel, Chicago, almost curtsey and bow in her stately presence simply because it just naturally seems her due. However, Miss Lee is a very democratic queen and when she sings her Radio audience feels that she is singing a personal message to each and every listener. Her voice thrills with personality. and sympathy. Look at her again. Wouldn't you kneel and kiss her hand? No you wouldn't, old chap, not if her husband saw you try it. He claims that privilege exclusively for himself.

Sopranos Are All Right, Los Angeles Broadcasting Station Chiefs Declare

Naylor Rogers, of KNX, Champions Cause of Sopranos Who Can Sing and Decries Act of Charlie Garland of WBBM in Barring Ladies

By G. L. King

OTHER cities and other stations may bar sopranos from the microphone if they like, but not Los Angeles. A canvas of managers of Los Angeles and Hollywood stations revealed the fact that good Radio soprano voices are in demand, possibly because they are hard to find.

"We do not agree with Charlie Garland of WBBM and others that a soprano voice should not be allowed over the air," said Naylor Rogers, manager of KNX, one of southern California's most popular stations. "The trouble with sopranos and Radio is partly technical but not wholly. It is true that some broadcast stations transmit soprano voices badly and a great many receivers reproduce the higher notes very poorly."

Looks to Future Demand.

"But it is a fact," he continued, "that Radio receivers are improving rapidly and may soon approach reproduction as perfect as good transmission. We are looking to the future. Therefore, we put every good soprano we can find on our programs. It is true, of course, that we find more poor soprano voices than any other, but then almost every woman tries to sing soprano. If every male thought he was a Caruso, the percentage of good tenors would be about the same."

Mr. Rogers further stated that Los Angeles and Hollywood stations probably had more exceptionally good Radio sopranos at their disposal than any other city or section in the country. Some of them, such as Virginia Flohri of KFI and Elsa Zelinda Foley are known almost wholly for their Radio work, which has been accorded praise from California music critics, while others such as Raquel Nieto, coloratura soprano of the Mexican grand opera, and Margaret Messer-Morris, who is soloist with the Los Angeles Philharmonica and Symphonic orchestras, are known for concert work as well as Radio.

An Ideal Soprano

Raquel Nieto (picture on page 27), the Mexican coloratura, is the technician's delight. Although possessed with a voice of remarkable range on the higher register, the broadcast station operator is never worried about his "gain control" while she is on the air. Something unexplainable, some little crook in her throat or the roof of her mouth, make it possible for her to sing arias before a microphone that cannot be attempted by any other soprano.

"Summing it all up," concluded Mr. Rogers, "so long as the concert and operatic stages find a demand for soprano voices, why shouldn't we broadcast them? If there is trouble in transmitting or receiving the soprano voice then it is up to the technician to improve his apparatus, but so long as a broadcasting station is an entertainment factor we must use everything that anyone else uses—and more, too."

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Radio Digest, Illustrated, Volume XVIII, Number 5, published Chicago, Illinois, September 15, 1926. Published semi-monthly on the first and fifteenth of each month by Radio Digest Publishing Co. (Incorporated), 510 N. Dearborn Street, Chicago, Illinois. Subscription rates yearly, Three Dollars; Foreign Postage One Dollar additional; single copies Fifteen Cents. Entered as second class matter May 3, 1926, at the post office at Chicago, Illinois, under the Act of March 3, 1879. Title Reg. U. S. Patent Office and Dominion of Canada.
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Looking Ahead

WPG, Making a Name for Itself with Its New Type 5,000-Watt Transmitter, will be described and featured in the next issue of Radio Digest, on the newsstands September 30. Long promised, the story of the "World's Play Ground" broadcaster is worth awaiting.

By the Time You Have Finished the Current Installment of "Goody Goody Girl" in this issue of Radio Digest you will be more than eager to see what happens to Lois when she reaches the Big City. This very modern tale is about the best thing Mr. Merlin Moore Taylor ever wrote. More adventures of Lois in the October 1 issue.

Like the Interview with the Radio Service Manager This Issue? It's on page nine and marks an effort to present the technical side of Radio in a very non-technical but interesting fashion. More on operating and trouble shooting is coming, and in an early issue, something distinct in set construction is promised

Are Movie Actors Real People? Do They Get Nervous and falter before the mysterious and unresponsive microphone? How do they feel at their first experiences? Personal interviews with some of the most famous screen celebreties in Radio Digest soon.

Imagine Yourself Holding Your Sweetie's Hand while waiting for a certain song to come over the air from a little town in Missouri, knowing if you did hear it you were to propose and if you didn't hear it you were to wait until some other indefinite time. Read about it, for it is a true story in a forthcoming Radio Digest.

Special articles about broadcasting stations and artists, with photographs, and NON-RADIO fiction 5,000, 10,000 and 30,000 words in length are desired. No manuscripts accepted unless typewritten and prepaid, or returned without return postage being inclosed. All manuscripts are sent at owner's risk.

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SHORT WAVES

By Marcella

Have promised a number of request "repeats" this time. Among them are Norman Brokenshire, Mac Ohman, Ford and Glenn, John T. Schilling and George Hay. Toot-toot, here goes the Short Waves Limited!

* *

J. H. M. and R. O. D.: Norman Brokenshire rightfully keeps many maidens' hearts aflutter, for he is single and good looking. To think! Someone told J. H. M. that Norman was married and had nineteen children. I don't know where he has been hiding his score of family all these years from his good friends, Marcella. Born in Murchison, Ont., Canada, 28 years ago; migrated to Cambridge, Mass., in early youth; was once a draftsman at Pittsfield, Mass.; later wore a doughboy suit in the World War; honorably discharged and became a salesman in New York; answered an ad for a Radio announcer in the classified section of one of the New York newspapers one day, and finally was selected as the man for the position from a field of 500 applicants. After a long service at WJZ, he was transferred to WRC, Washington, for nearly a year, and then was recalled to WJZ when they opened up with superpower. He is slightly under six feet tall, weighs about 165 pounds, wears a cute little black mustache, and has romantic, curly dark brown hair. I will add that he is a type which I think would make good in motion pictures.

* *

Ida: Mac Ohman is another one of those Scotchmen whom Radio and golf have made popular. Called the "sartorial treat" by one of his good announcer friends, Mac is a travelling balladist. In fact, he has been heard from practically every station in the Middle West. He has lived in Omaha, Nebr., nearly all the 26 years of his life because the city's name so nearly approaches his. Before Radio he sold insurance, but he has discontinued this now, so you may approach him with safety. Mac is very good looking, dresses perfectly, although inclined to yellow spats, stands 5 feet 7 inches up from the studio floor, and is full of effervescing youth and ambition. Rumor has recorded his marriage. "Maytime and You" and "Thinking" are two of his published compositions.

* *

"New Reader": Yes, George Hay, the famous "Solemn Old Judge" of WSM, is married and has two children—both girls, I believe. His favorite sport is golf, and he devotes considerable time to writing. He has just sent me an autographed copy of his "Howdy, Judge," published by the McQuiddy Press of Nashville, Tenn. The book is intensely interesting, packed with laughs, and marks Mr. Hay as a born humorist and strong contender for the honors of Irwin Cobb. Of course, you all know he won the Radio Digest gold cup in 1924 as world's champion Radio announcer.

* *

Nell: Yes, Ford and Glenn have recently recorded "Valencia" for Columbia. To repeat their history and descriptions, both are married, drive cars and each has a boy about 8 years old. Edgar Bill, WLS director, was responsible for pairing them into a team. When the two met through Mr. Bill they were suprised, for it turned out to be a reunion—Ford and Glenn having known one another some years prior in St. Louis. "Big" Ford Rush was born in New Orleans and his age is 32, weight 175 pounds, height 6 feet. "Little" Glenn Rowell was born in Pontiac, Ill., and his age is 28, weight 218 pounds, height 5 feet 8 inches, and likes pie and cake.

* *

"Anxious": Sure, "Nubs" Allen is still appearing now and then at WLS. Looks? A pretty, petite brunette, with brown hair and a husband—unfortunately for you. She specializes in popular songs. The Lucus Sisters? No one knows anything about them.

* *

And now, my friends, hold on to your hats and don't stand up 'til the car stops moving—for Eddie Squires is married! It happened last Friday, the thirteenth, to this formerly impregnable bachelor who probably has acted as announcer at more stations than there are at present licensed in the United States. Right now, of course, he is doing it at WJAX, Jacksonville, Fla., where the "globe-trotter" is less likely to depart burdened as he is with the responsibilities of a benedict. The girl was Miss Thyra Everett and her former home was White Springs, N. Y. "Eddie" gave his name at the license bureau as Edwin B. Squires, age 34, and residence, Connecticut. This last bit of information may be very valuable to the many fans who have failed to keep track of him during his wanderings microphone bound. In honor of the ceremony, Walter Tison, director announcer of WGHB, Clearwater, Fla., dedicated a special number to "Eddie" called "The Prisoner's Song." A Florida moonlight night, and a silent one for WJAX, are said to have made the romance "take."

(Continued on page 20)

FANS WILL HEAR DEMPSEY FIGHT

DAWES SPEAKER AT GREAT RADIO FEAST

OVER 200 PICKED ARTISTS FOR 33-STATION BILL

Wednesday, September 15, Date of Banquet and Festivities Officially Opening New Radio Season

NEW YORK.—Vice-President Charles G. Dawes will be the speaker at the Third Annual Radio Industries banquet on Wednesday evening, September 15, according to announcement by Herbert H. Frost, chairman of the speaker's committee for the banquet.

When the vice-president faces the thirty-three microphones on the speaker's table at the annual banquet in New York city, his voice will be carried to an audidience of listeners that will undoubtedly be the largest ever reached by an official of the United States or any other individual. On the occasion of the inaugural of President Coolidge, a record number of twenty-seven broadcasting stations participated in the transmission of the program. When the vice-president begins his address the hook-up will have at least six more stations and perhaps others, as additions to the list of stations participating are continually being made.

Two Hundred Artists on Bill

Over two hundred artists, the pick of the land, will entertain at the banquet and hence over the chain of stations. Mary Lewis and Reinald Werrenrath are headliners on the program which will begin at 7 p. m., Eastern daylight saving time, which is 6 p. m. Eastern Standard time or Central daylight saving time, and 5 p. m. Central Standard time.

Paul Klugh, executive chairman of the National Association of Broadcasters and chairman of the banquet committee, will appear as toastmaster again this year as in the past two years, and Major J. Andrew White, pioneer Radio announcer, will act once more as master of ceremonies.

DISTANT ANNOUNCER GETS FAN IN WRONG

NEW YORK.—One of WEAF's announcers put a gentleman in bad with one of his neighbors recently, The evening being hot and the front porch the place of refuge, the loud speaker was brought out to entertain the family. A lively banjo selection came over the air. A woman passing by stopped to listen. Soon came the name of the selection—"Keep Moving." With a voice ringing with scorn, she shouted, "Mind your own business," in the general direction of the front porch and strutted away haughtily from the front of the house.

KINDLY OLD LADIES ARE TRICKED AGAIN

LONDON.—Davy Burnaby and Melville Gideon, members of a famous London revue company, were broadcasting from 2LO recently, and at the close Davy said, "If any lady or gentleman would like to hear their favorite song, Mr. Gideon will sing it. You have only to speak the title into your loud speaker!" A moment later he said, "A lady has asked for 'Crinoline Gown.' Mr. Gideon will sing it." He did. And the next day Burnaby received four letters of thanks from old ladies who said they had asked for it!

CHARMING MICROPHONE BEAUTIES

Up and down the Pacific coast you won't find a more popular pair of singers than Gypsy and Marta, above, of San Francisco. If you like hoop skirts, you should see Leona Hogarth (at right) don them in "Black Velvet" at the Playhouse, Chicago. Her stage popularity was equalled by Radio when she appeared recently over WQJ and WHT. An artist of rare ability is Madame M. H. Goldschein, left, whose dramatic soprano voice has interpreted many arias from opera for the audience of WSM, Nashville.

ASSOCIATED PRESS DONATES FACILITIES

OVER 100 STATIONS WILL CARRY RUNNING STORY

Will Tell Blow-by-Blow Details of Champion's Meeting with Gene Tunney September 23

PHILADELPHIA.—When Jack Dempsey hands Gene Tunney the finish punch during the late afternoon of Thursday, September 23, at the Sesquicentennial grounds here, or perhaps when Gene lands a left hook under Jack's chin for a knockout, the whole world of sporting Radio listeners will know of it less than a second after the actual happening.

Through the courtesy of The Associated Press, the world-renowned news gathering organization employed by thousands of newspapers, the story of the fight blow-by-blow will be broadcast by over one hundred broadcasting stations located from coast to coast and from Hudson's Bay to the Gulf of Mexico.

Chains Also to Handle

Associated Press newspapers owning broadcasting equipment and several score of stations which cooperate with Associated Press newspapers, will handle the fight. In addition, part of the WEAF and WJZ chains, it is reported, will carry independent running stories of the momentous pugilistic encounter for the world's heavyweight championship.

The big fight will be on the air sometime around 4 p. m. Eastern daylight saving time, which is 3 p. m. Eastern standard or Central daylight saving time, 2 p. m. Central standard time, 1 p. m. Mountain standard time, and noon Pacific time.

Major Herbert H. Frost Is Tendered Farewell Banquet

CHICAGO.—More than 400 members of the Radio industry, friends of Major Herbert H. Frost, ex-president of the Radio Manufacturers' association, gathered to do him honor at a farewell banquet recently given him at the Palmer house here prior to his departure for New York city where he will direct the sales policies of the E. T. Cunningham company.

Addresses were made by A. J. Carter, president of the Carter Radio company of Chicago; Col. A. T. Clifton, Harold J. Wrape, president of the Federated Radio Trade associations; Frank Watts of New York, and Curt Wessel.

Speaking for members of the Radio industry Mr. Carter presented a magnificant loving cup to Major Frost, while Col. Clifton in the name of the officers of the United States Signal Corps Reserve presented Major Frost with a handsome sabre. Paul B. Klugh, executive chairman of the National Association of Broadcasters, acted as toastmaster.

New Studio for WJAG, Norfolk

NORFOLK, Neb.—Plans for an elaborate new studio are included in the construction of a new $500,000 hotel at Norfolk. Concert programs will be broadcast by remote control from WJAG, The Norfolk Daily News station.

WGBF APPARATUS ROLE PLAYS HERO

Amplifiers Pick up Signs of Life When Six Miners Are Entombed

SALEM, Ky.—Few broadcast listeners know that when five miners were entombed for six days recently in the Hudson mine near here, Station WGBF, of Evansville, Ind., played an important part in their rescue.

Almost when hope for their lives had been despaired, amplifying equipment and microphones were rushed by airplane from the Finke Furniture company broadcaster at Evansville. Carl Waddell placed the microphones in the mine shaft near the cave-in where the trapped men were believed to be, and Operator Martell Montgomery of WGBF adjusted his instruments and listened.

Distinct tappings and the ring of a miner's pick were heard. The Radio amplifier, multiplying the sounds 10,000 times, heard what the ears of men unaided could not. Rescue efforts were doubled, and the next day the five men were saved, little worse for their six days of imprisonment.

Does Radio Have Its "Dead" Night? WOK Would Know

CHICAGO.—In an effort to ascertain if Radio has its "dead night" each week like the theater, fans who tune Station WOK are being asked by Announcer George W. Allen to write to the studio telling which nights of the week they devote to Radio and what night, if any, they do not care for it.

Mysterious Automaton Answers Fans' Queries

Crosley Booth Attracts Many at New York Show

NEW YORK.—If there is still any mystery left in Radio, it will be found in the marvelous automaton on display at the Crosley booth in the third annual Radio World's Fair now being held in Madison Square garden, New York city. This mechanical figure, six feet tall, with the body of a man and the head made of a grotesquely-painted Musicone loud speaker, is attracting the attention of the scientific world and Radio listeners through its mysterious answering of questions which show visitors compound.

The giant figure, which might well be called the "answer man," was developed in the Crosley engineering laboratories in Cincinnati for the special amusement of exposition visitors. Its mechanical construction is so arranged that people can whisper near the figure and immediately they hear a mysterious voice talking to them or answering their queries.

Youngstown, O., Plans for First Radio Show Sept. 30

YOUNGSTOWN, Ohio.—The first annual Radio show ever held in this city will be put on in the magnificant new Fitch garage here September 30 and October 1 and 2. Thirty of the leading Radio dealers of the city have signed for space and the show has the endorsement of the Mahoning Valley Amateur Radio association and the Youngstown Radio Dealers' association.

Arrangements have been made to have a temporary station erected to broadcast musical programs during the show.

CALL FOR BLOOD GETS IT AND SAVES WOMAN

WRVA, Richmond, Broadcast Wins Fifty Volunteers

RICHMOND, Va.—Elmer G. Hoelzle, studio director at Station WRVA, Richmond, Va., sent out a call for blood and got it, thereby rendering a service in life saving probably never attempted before in broadcasting.

A few days ago a woman patient in the Johnston-Wills hospital, Richmond, reached a crisis from pernicious anaemia, and death stalked in the shadows. Dr. W. R. Graham called upon WRVA, which was in the midst of its evening program, to broadcast for volunteers for a blood transfusion. Fifty persons immediately responded. Tests were made for the precise No. 2 quality of blood required and Manley Betts, one of the WRVA artists, was selected for the operation.

The transfusion proved a success and the life of the woman patient was saved.

KWKH Becomes KSBA

SHREVEPORT, La.—W. K. Henderson, millionaire sponser of Station KWKH here, has sold his interest in the enterprise to W. G. Patterson who has been associated with broadcasting since 1921 and who originally was sole owner of the station. Mr. Patterson will head the new Shreveport Broadcasting association, which will operate the station, and the call will hereafter be KSBA.

Two Great Receivers

that cover the full range of radio broadcasting

from 10 to 200 meters

THE Grebe CR-18 is an exceptional receiver for high radio frequency reception. It employs a coupled regenerative circuit adapted for a frequency range of from 1500 to 30,000 kilocycles (10 to 200 meters) and is especially designed to meet all amateur requirements and radio frequency assignments of the U.S. Department of Commerce.

There are seven outstanding features that make the CR-18 especially efficient.

Write for charts and folder describing these features.

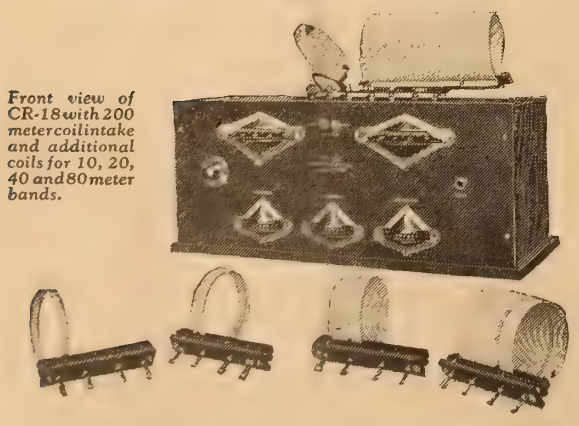
from 150 to 550 meters

THE extreme efficiency of the Synchrophase is due to several exclusive Grebe developments, especially the *Binocular Coils* which provide exceptional selective sensitivity; *Colortone* which gives control over tone quality; *S-L-F Condensers* which make accurate tuning easy; and *Low-Wave Extension Circuits* which give a tuning range of from 550 down to 150 meters, covering over 100 stations not reached by other sets.

Write for Booklet RD. Then ask your dealer to demonstrate.

The GREBE

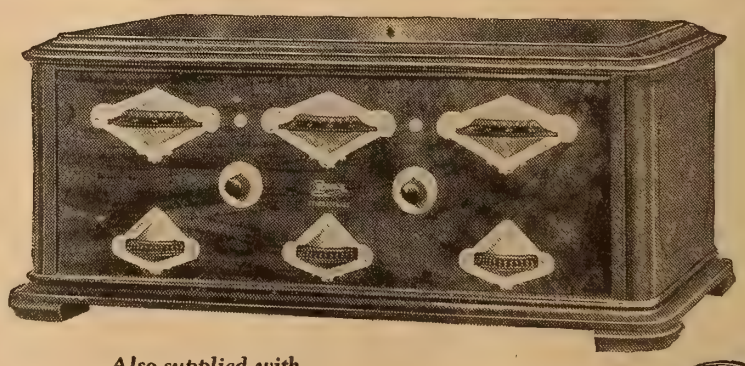
CR-18



Front view of CR-18 with 200 meter coil intake and additional coils for 10, 20, 40 and 80 meter bands.

SYNCHROPHASE

TRADE MARK REG. U.S. PAT. OFF.



Also supplied with battery base

GREBE RADIO

TRADE MARK REG. U.S. PAT. OFF.

All Grebe apparatus is covered by patents granted and pending.

This Company owns and operates stations WAHG and WBOQ. Also low-wave rebroadcasting stations, Mobile WGMU and Marine WRMU, and stations 2ZV and 2XE.

Doctor Mu

A. H. Grebe & Co., Inc., 109 West 57th St., New York

Western Branch: 443 So. San Pedro St., Los Angeles, Cal.

Factory: Richmond Hill, N. Y.

Air Confetti at KYW Carnival

Fannie and Eddie Cavanaugh, the "Gaelic Twins," (left) and Fannie in the picture above.

MERRY ENTERTAINERS

Carry Glee and City Night Life to Listeners Scattered Through Country and Small Towns. Gaelic Twin Ticklers Propound Cocoanut Problem and Add Adipose Tissue.

By MARSHAL Z. TAYLOR

On the air (mail)—Listener's (P.O.) Station USM, Green Bay, Wis.

"JUST what good are cocoanuts? You should have heard my mother, nigh onto 70 years old and 330 pounds weight, as you sang it. Think over the words of the song and then you will know why she is laughing yet. Thanks for the program. From Grandma McHugh and myself."

YOU have been listening, ladies and gentlemen, to Mr. David McHugh, applausecasting from his home at 901 E. Walnut St., Green Bay, Wis., in appreciation—What's that? No! No, dear friends, not "applesaucecasting," I said "a-p-p-l-a-u-s-e-c-a-s-t-i-n-g," — sure, thats it, sending his little message of appreciation to the KYW Congress Hotel Carnival, Chicago.

And he is just one of ten thousand or more other constant listeners who announce by card and letter their enjoyment of this frolicsome program that filters through the Great Lakes Region every Tuesday and Thursday during the pre-midnight hour.

If you have not already dialed in this Big Show it's right this way to the Main Tent!

Listen! Get that 535.4 wave! Hear the dancing, singing Cavanaughs! Fannie and Eddie, the celebrated Gaelic Twins and their funny Cocoanut song! Hear Art Linick, the jovial announcer! Hear dainty Grace Wilson, the girl with the melting, tenor voice! Hear the great Z. Earl Meeker, the wonder baritone of the opera!

And the price of admission, ladies and gentlemen, is just a turn of the wrist to 535.4 meters. Right this way!

The carnival at KYW serves as the champagne for the evening's Radio banquet. From the first popping of corks at 10:30 the ether sparkles with snappy singing, playing and interchange of chit-chat between announcer and entertainers. It's a dizzy whirl with lively guests bobbing in and out and contributing to aerial confetti and general merriment. The listener has no trouble imagining himself or herself a member of the jolly party. It is all so "Artfully informal."

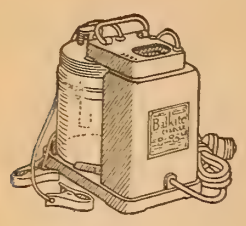
"Two days is not enough for our carnival," declared Mr. E. E. Mattson, who relays to the press vital statistics and other important matters appertaining to the Radio activities of the Westinghouse station. "This carnival is doing more to build up the nation than all the delicatessen stores in the country. No wonder the lady weighs over 300 pounds and is laughing yet. Look at me. I'm still a little over 200 and I refrain from eating entirely on Tuesdays and Thursdays. I did weigh over 250, but by cutting out potatoes when I eat meat and meat when I eat potatoes and laying off eats altogether carnival nights I have managed to cut it down. But I wouldn't miss the carnival if I have to laugh myself to a ton.

"And it's getting better all the time—better and better every day—poor Coue! You know the Cavanaughs, the Gaelic Twin Ticklers. They sing that breeze about the questionable utility of cocoanuts in general. They have some other good ones about the 'Little German Band,' 'Under the Summer Sausage Tree,' 'Hinky Dinky Parlay Voo,' 'Nice People' and 'Baloney.'

"Eddie and Fannie are old-timers as entertainers. They were headliners in vaudeville when we booked them for the second program KYW ever put on the air and you will remember that we were the first of the thirty-five Chicago broadcasters. Eddie was in the war, a doughboy. He carried on with his nonsense Over There, making the boys hold their sides from laughing when they all knew that the next minute they might be holding their hides together from German bullet holes.

"When Charlie Erbstein com- (*Continued on page 38*)

Grace Wilson, the girl with the tenor voice (lower left). Art Linick, the Dutch announcer of the KYW Carnival (below). Z. Earl Meeker, opera baritone from Pacific Coast, who helps KYW program.

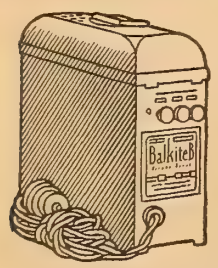


The New Balkite Charger

MODEL J. Has two charging rates. A low trickle charge rate and a high rate for rapid charging. Can thus be used either as a trickle or as a high rate charger. Noiseless. Large water capacity. Rates: with 6-volt battery, 2.5 and .5 amperes: with 4-volt battery, .8 and .2 amperes. Special model for 25-40 cycles. Price $19.50. West of Rockies $20.

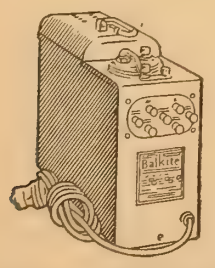
Balkite Trickle Charger

MODEL K. With 6-volt "A" batteries can be left on continuous or trickle charge thus automatically keeping the battery at full power. With 4-volt batteries can be used as an intermittent charger. Or as a trickle charger if a resistance is added. Charging rate about .5 amperes. Over 200,000 in use. Price $10. West of Rockies $10.50.



A New Balkite "B" at $27.50

Balkite "B" eliminates "B" batteries and supplies "B" current from the light socket. Noiseless. Permanent. Employs no tubes and requires no replacements. Three new models. Balkite "B"-W at $27.50 for sets of 5 tubes or less requiring 67 to 90 volts. Balbite "B"-X for sets of 8 tubes or less; capacity 30 milliamperes at 135 volts—$42. Balkite "B"-Y, for any radio set; capacity 40 milliamperes at 150 volts—$69.



Balkite Combination

When connected to your "A" battery supplies automatic power to both "A" and "B" circuits. Controlled by the filament switch on your set. Entirely automatic in operation. Can be put either near the set or in a remote location. Will serve any set now using either 4 or 6-volt "A" batteries and requiring not more than 30 milliamperes at 135 volts of "B" current—practically all sets of up to 8 tubes. Price $59.50.

All Balkite Radio Power Units operate from 110-120 volt AC current with models for both 60 and 50 cycles. Prices are higher in Canada.

Announcing the new Balkite Light Socket Radio Power Units

A new Balkite Charger with both trickle and high charging rates. Three new Balkite "B's" including the new popular priced Balkite "B"-W at $27.50. The new Balkite Combination—with the "A" battery it furnishes automatic power to both circuits.

Now you can operate your radio set from the light socket. Merely by adding the new Balkite Radio Power Units—either by adding a Balkite Charger and Balkite "B," or by adding the new Balkite Combination Radio Power Unit.

In either case the result is the same—light socket operation, maximum convenience, and smooth silent power.

Balkite Light Socket Power is noiseless. There is no hum. It is never low and never runs down, but is always exactly what is required by the set. It is permanent. Balkite Radio Power Units are permanent pieces of equipment. They employ no bulbs, and have nothing to replace or renew. They cannot deteriorate from either use or disuse. Other than a negligible amount of household current their first cost is the last. With sets of high current requirements their use is highly desirable for the saving alone. They require no changes in your set.

Over 600,000 radio receivers—one of every ten—are already Balkite equipped. Equip yours with Balkite and convert it into a light socket receiver. Know the pleasure of owning a set always ready to operate at full power.

FANSTEEL PRODUCTS COMPANY, Inc.
North Chicago, Illinois

FANSTEEL
Balkite
Radio Power Units

GOODY GOODY GIRL

"Hush!" She rose to her feet alarmed by his vehemence. "I won't hush!" He, too, got up and she backed away when he made as if to take her into his arms. "I love you. . . ."

By MERLIN MOORE TAYLOR

Illustrations by W. H. WISNER

LOIS Scarcely Had Trudged from Sight of the Old Homestead When Adventure No. 1 Overtook Her

REBELLION surged through the soul of Lois Sylvester when she opened the door to little, old Miss Wexby and her bowl of goldfish.

"I'm sorry, Miss Wexby," she said, "but I'm afraid I won't be able to take care of your goldfish this time. I'm going away."

"You goin' away? Where you goin'?"

"That's none of your affair. I'll not keep you waiting. Good-bye." She shut the door in the face of the self-important old lady who had for years been accustomed to leave her goldfish at the Sylvester home while going away for visits.

Lois shuddered. She was not going away. What could she tell her hard-shelled Yankee step-father? He would not condone the lie, she knew that. But she would have to tell him. It would mean a crisis. She would ask his permission to let her visit a school girl friend at Kaneville to make her story to Miss Wexby good.

Then Phineas Blair, stern and uncompromising, came in from the fields. Lois told him what had occured.

"But I won't permit you to go. That would be helping you to tell a lie. You will have to go to Miss Wexby and apologize, although I'll admit I don't care any more for her than you do."

His decision was final. He allowed of no argument in his household. He put on his coat and departed for the hardware store for parts to his cultivator, the errand that had brought him home almost in time to be a witness to the incident that had so much to do with Lois' great decision.

But the girl felt a brimming consciousness of her newly arrived eighteen years and the surge of rebellion grew stronger and stronger.

Blair retired early and slept soundly. Lois packed her suitcase and stole quietly out the door, half-afraid and yet eager to demonstrate the independence of her proud Southern ancestry.

CHAPTER II

Escape

ITS SETTLERS in the early days of the republic had named Lois Sylvester's home town Paradise. An absurd name it seemed more than a century later and one that brought chuckles from the city folks who passed through and derisively referred to it as a cross-roads village.

Paradise really was just that. It still boasted only a few hundreds of population. There was no railroad or anything like paved streets, electric lights, waterworks and so on which railroads bring in their wake. Those had gone to Clermont, the county seat, five miles away.

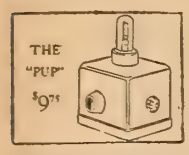
Modernity had touched Paradise but lightly. It was on a branch telephone wire out of Clermont. It had a tiny movie house where twice a week films were shown near the close of their careers. A handfull of automobiles, flivvers for the most part, were to be seen on its streets and there were at least a dozen Radio sets in its homes.

Paradise, like scores of similar little communities throughout the country, continued to exist because it lay in a rich farming community and the farmers—they clung largely to the colonial name of planter themselves—found it convenient to do their ordinary trading there in preference to spending the time on the road to and from Clermont.

Lois' great-grandfather had been one of those original settlers of Paradise. The village touched the edge of his plantation, for the Sylvesters were well-to-do in those days and owned many broad acres and the slaves to work

(Continued or page 13)

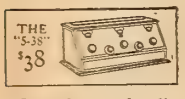
CROSLEY RADIO INSTRUMENTS
Each item the utmost in radio at its price. All prices slightly higher west of the Rocky Mts.



This little double-circuit one-tube set has brought happiness to thousands and made records for long distance receiving.

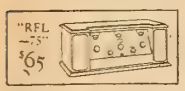
A 4-tube receiver of amazing efficiency, Crescendon equipped! Everywhere considered marvelous at its price.

The 4-29 in portable form handy, compact, efficient.



A five-tube tuned radio frequency set, with two stages of non-oscillating radio frequency amplification. Crescendon control, two stages of audio frequency amplification.

5-tube, single drum station selector, acuminators, Crescendon, power tube adaptability, all-metal shielded chassis.



5-tubes. True-cascade amplification; non-oscillating, non-radiating even under any mishandling. Its perfect balancing achieved by Wheatstone bridge in each stage of amplification. Exceptional selectivity and tone.

Beautiful solid mahogany console finished in two tones. Embodies the 5-tube $50 instrument with single dial control. Crosley Musicone speaker and ample compartment for batteries. Stands 41 inches high.

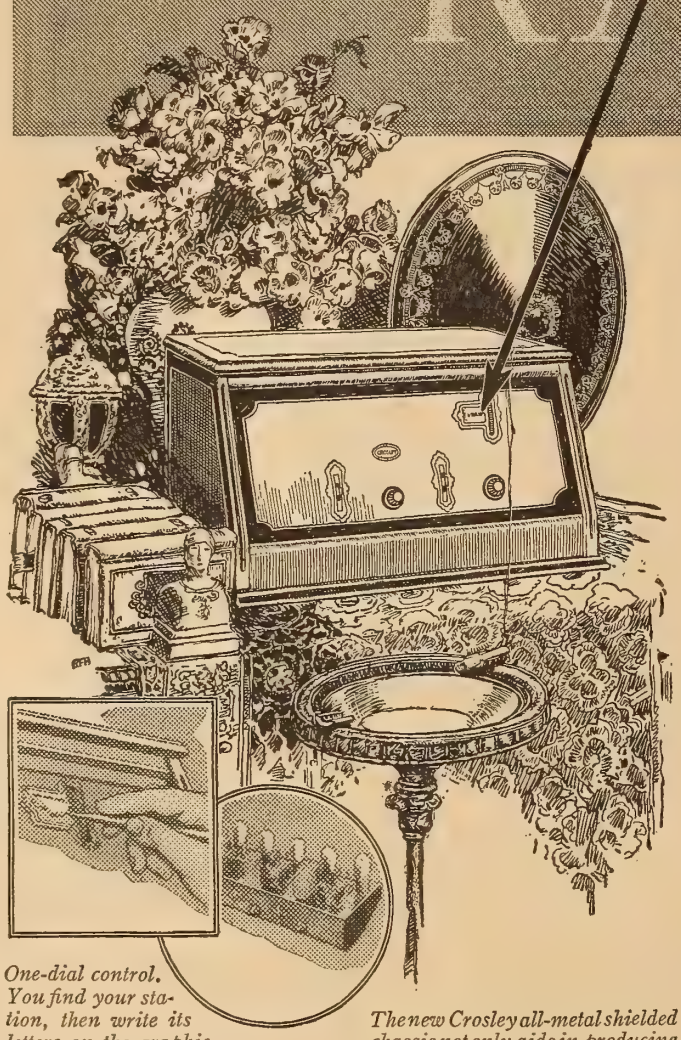
Introducing the double drum station selector! Includes Musicone in exquisite console. Room for batteries and all accessories. 41 inches high, 30½ inches wide.

Regular 12-inch size, $12.50. Super Musicone, with still finer volume and tone, $14.75. Musicone Deluxe in mahogany "clockcase," $23.50.

Embodies the Musicone in a beautiful console of two-tone mahogany finish and provides room for batteries and accessories. 24½ inches long inside.

CROSLEY RADIO

BETTER—COSTS—LESS



One-dial control. You find your station, then write its letters on the graphic dial, locating it once and for all, to turn to whenever your fancy dictates.

The new Crosley all-metal shielded chassis not only aids in producing astounding selectivity, but standardizes manufacture and helps make possible the price of $50.

One-Dial Control!

. . . *in this amazing 5-tube set at $50*

Already the new 5-tube Crosley set, at $50, has met such a tremendous demand as to confirm the prediction that it will replace thousands upon thousands of sets now in use.

Confronted by high prices, many people who desired to replace their old sets have hitherto hesitated to do so. Now . . . in the new Crosley "50" . . . they find the features and qualities they desire, formerly exclusive to very high-priced sets . . . available at small investment.

The incomparable joys of Single-Dial Control! Uncanny selectivity, resulting from its metal-shielded chassis and the surpassing efficiency of the Crosley circuit's advanced design! Exquisite volume, thanks to the matchless Crescendon! Crosley Acuminators, power tube adaptability . . . all the attributes of radio at its best . . . for $50!

In all the Crosley line no instrument represents a greater triumph than this wonderful 5-tube set. Examine the line in full, as illustrated in the marginal column at the left . . . each item a victory for *mass production* in reducing radio prices. Then see the Crosley line at Crosley dealers . . . including the new "50" . . . now on display!

See it . . hear it. View the refreshing beauty of its solid mahogany cabinet. Operate it yourself. Watch the stations, written in on the graphic dial, parade before you and usher in their programs with unerring accuracy. Sharpen the selection with the Crosley Acuminators. Release inspiring volume by means of the Crescendon.

Know what heights . . . in tone, volume, selectivity and sensitivity . . . radio of moderate price has reached!

$50

Slightly higher west of the Rockies. Never before, at anywhere near this price, has a radio set possessed all these advantages: 1. Single-dial control with graphic station selector. 2. Metal-shielded chassis, contributing to amazing selectivity and reducing cost. 3. Crescendon control, producing exquisite volume from distant stations. 4. Crosley Acuminators, which sharpen tuning and increase selectivity. 5. Power tube adaptability. 6. Beautiful, solid mahogany cabinet of distinguished design and exquisite two-tone finish.

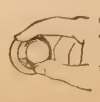
THE CROSLEY RADIO CORPORATION, CINCINNATI—POWEL CROSLEY, Jr., President

Crosley manufactures radio receiving sets, which are licensed under Armstrong U.S. Patent No. 1,113,149 or under patent applications of Radio Frequency Laboratories, Inc., and other patents issued and pending. Owning and operating station WLW, first remote control super-power station in America. All prices without accessories.

For Catalogue write Dept. 49

OUTSTANDING FEATURES OF CROSLEY RADIO DEVELOPED BY POWEL CROSLEY, Jr.

THE "CRESCENDON"



When, on ordinary radios, ears must strain to catch a station miles away, a turn of the Crescendon on Crosley radios instantly swells reception to room-filling volume. An exclusive Crosley feature.

ALL-METAL SHIELDED CHASSIS

This truly great radio achievement, found in several Crosley sets, furnishes a substantial frame for mounting elements, produces excellent alignment of condensers, shields the units from each other, prevents interstage, improves the stability of the circuit, increases selectivity and saves costs by standardizing this phase of manufacture.

THE SINGLE-DIAL STATION SELECTOR

Nothing in radio equals the joy or the convenience of single dial control. Crosley single drum control enables you to find the stations sought without log book or "tuning."

THE "ACUMINATORS"

Crosley Acuminators provide sharp tuning where reception spreads broadly over dial, easily tune out local and bring in far stations. Ordinarily, once adjusted and they need not be touched again.

USE OF POWER TUBE

Power tube adaptability marks the Crosley "5-50", "5-75" and "RFL" sets. This feature typifies Crosley provision for best radio reception at moderate cost.

QUALITY AND BEAUTY IN CABINETS AND CONSOLES

"My Radio Set Don't Work"

THERE Are Three Classes of Listeners, According to the Chief Service Man of a Large Radio Store. Sixty Per Cent Are "Bad". If You Are in This Group, Read Below and Repent Your Sins. Anyway, Here's a Lot of Common Sense Free of Charge.

By EVANS E. PLUMMER

DING-a-ling-a-ling! The telephone bell in the Radio service department of a large Radio dealer rang. The tired manager answered. The caller's first question was characteristic.

"Do you know anything about Radio?" was the needless interrogation of the fan in the desire of service. After being assured that he did, the manager was greeted with this:

"Well, why couldn't I hear any long distance stations last night?"

The service manager was accustomed to this. He had the patience of Jove. He explained that last night was a "bad" Radio night. Weather and atmospheric conditions were far from satisfactory for reception. Was this the first night the fan's set had shown symptoms of falling down? Try it again and see how it works. Whereupon the fan replied:

"That may be true, but I don't think you know what you are talking about." Crash went the fan's receiver.

Radio Receiver Is No Miracle

Unbelieving readers, this is just how you act, or I should say the majority of you act. The article which you are reading is based upon an interview with the Radio service manager of a store employing from eight service men in the summer to sixteen men in the winter. His troubles are many. The majority of listeners, he has observed, believe that Radio is such a miracle that their receivers must go on performing miracles night after night without ever receiving the least bit of attention. Or, when there is a bad Radio night, as explained above, most listeners do not know that weather and atmospheric conditions play an important part in their success at receiving distant stations, and even hearing local broadcast programs without static or the crackles and noises of nature's electricity in the air.

You don't expect it of your automobile, do you? You never look forward to hearing the engine run when your gasoline tank is empty. You know the consequences of driving without having sufficient oil. Ten thousand miles and the average tire is ready for replacement.

Give the Set Some Attention

But—Radio is a "miracle," and because it seems mysterious to you, the excellent directions of the dealer who sold you your installation are disregarded until it is too late.

Write this in your hat, or better, paste it under the lid of the receiver:

"RADIO IS NOT A MIRACLE. A RADIO RECEIVER REQUIRES JUST A LITTLE BIT OF ATTENTION NOW AND THEN."

I am asking you to believe this. I am further asking you to believe in the service men. Don't think that your scattered Radio knowledge is superior to his. He is just a human being trying to make your receiver do the best it can.

The service manager told me many interesting things. One was the chief reasons for trouble calls. He ranked them in the following order:

When Trouble Calls Come In

1. Failure to get distant stations, or fading of stations. "Fading" is not the fault of a receiver. It is caused through some phenomena of nature and happens in the intervening space between the station and your receiver. Probably all the receivers in town will be troubled by the fading of the same particular station at the same time. This should prove to you that fading is a general Radio "disease," a cure for which has not yet been discovered, and for which you cannot justly blame your receiver.
2. Battery or tube troubles. These will be discussed later.
3. Loose connections to the set or power supply.
4. Poor aerial or ground.
5. Trouble inside the set other than that caused by defective tubes. Note that the service manager finds but few calls which may be classified under this heading.

There they are—all five of them generalized. Of course, there is one other, and although it is not classified, we shall describe it here as "dumb foolishness." In this category falls the man who called the service manager and for thirty minutes outguessed all questions of diagnosis, until finally the service manager asked him, "Did you plug in your loud speaker?"

"By golly, I forgot all about that," came the fan's embarrassed reply.

That is not far fetched. Listen to this.

"One of the best ones, though," said the service manager, "was on a middle-aged gentleman of rather pugnacious temperament, who tongue-lashed me to a fare-you-well. I finally sent my best man out to his house. Evidently the set did not require much work for he was back in a hurry.

"'What was the trouble?' I asked him.

"'Hah! That's the best yet. It cost me one minute's work and the old duffer just $1.50 because he forgot to turn on the battery switch.'"

"Who cause the most trouble calls, men or women?" I asked. The service manager thought a minute.

Men Cause the Most Trouble

"Women call more often than men, probably because their husbands ask them to take care of this detail. But I think men cause the most trouble by meddling with parts of their sets they know little or nothing about. Most men, I have found, overestimate their technical knowledge.

"On the other hand, we have customers who admit knowing nothing about Radio receiver maintenance and do not want to know anything more. In this class are found wealthy persons who hire chauffeurs to drive and keep up their cars. These people want their sets kept in the pink of condition at all times and are perfectly willing to pay our service charge of $1.50 every two or three weeks just to have the service man inspect their receivers and keep them in good condition."

What Most Common Troubles Are

"What are the most common troubles your men find when they make an inspection on the average service call," I asked. The manager's answer was a gem. Every set owner should read it carefully and impress upon his mind the valuable knowledge which it contains.

"Most troubles come from the listeners who never bother to charge their storage A or perhaps B batteries, or both. As a general rule, batteries cause the most grief. People think dry A, B and C batteries last forever. Some of them have an idea storage batteries contain an infinite supply of electricity.

"Dry A batteries last only from three to six weeks when coupled to a superheterodyne. Then they must be replaced.

"Dry B batteries have a longer life. It may run from three to six months—sometimes, but not often, longer. When a 45-volt block of dry B battery registers less than 34 volts on a fairly accurate voltmeter, the block should be replaced. Further use often causes noisy reception, and the tuning in of long distance stations is practically impossible. Voltmeters that are too cheap should not be purchased. They will not register accurately, and more than likely they will be of a 'low resistance' type which will drain the valuable life from the B block.

Tap Water Not Distilled Water

"Wet or storage A batteries should be charged whenever a hydrometer reading shows lower than 1200. The charging can be stopped when minute bubbles, like pinheads, are observed through the filler holes at the top of the solution. Or, if the hydrometer reading rises to 1250 or 1300, one may assume that the battery is fully charged. A charged six volt storage battery should read 6.6 volts or more on a 0 to 10 or 0 to 15 scale voltmeter.

"Distilled water should be added to the cells through the filler holes whenever the plates begin to show above the surface of the solution. The plates should always be just covered. We find that many people never look into their batteries, or if they do think to add water once a month, they add drinking water, thinking it will do. It will NOT!

Ever Clean Your Batteries?

"What has been said for storage A batteries applies also to storage B blocks. Many people forget that either a different charger or different connections on the same charger are required for A and B storage cells. Much noise in reception is traced to dirty tops on storage A or B batteries. These should be cleaned off periodically with a damp rag, which should be thrown away after use.

"Dead C batteries cause some but not much trouble. The average life of a dry C battery is six months. Then they should be tested.

"Very little trouble is found in either A, B, or trickle chargers, or B eliminators. Many people are mystified by the trickle charger and forget to add distilled water to their storage battery. They forget that the water evaporates just as rapidly from a storage A battery equipped with a trickle charger as from an unequipped storage A."

The service manager paused for breath. I asked him about tube troubles. He replied:

Common Troubles of Tubes

"The chief troubles reported on tubes are first, burn outs, second, low filament emission, and third, shorted elements inside the tube—a fault usually caused by an inquisitive man or child handling or shaking the tube. Burn outs are unavoidable. Filaments may last a thousand hours, and again they may not. Much depends on the careful treatment which the listener accords his tubes.

"Low filament emission is a common fault with 199 and 299 type tubes. This is usually caused by the listener 'forcing' his tubes, or in definite terms, applying more than three volts to their filaments. That is why we recommend the use of a voltmeter on receivers equipped with 199 tubes. Low emission is also caused by tubes becoming worn out. The 199 or 299 type tube six months old will often have this trouble. In either case, the process known as 'rejuvenation' often returns the tube to usefulness. Rejuvenation should not be practiced too frequently. Twice in the life of a tube is about all that will do any good. After that it harms, if anything."

The "Champion" Rejuvenator

Right here, I interpolate the service manager's discussion with a note. One of my friends is an enthusiastic listener. He owns a super-heterodyne using 199 tubes. To make sure his tubes would always be "up to snuff" he purchased a rejuvenator and rejuvenated his tubes every night for a week. By that time his set was beginning to do worse instead of better. He asked me what to do. I told him to store his rejuvenator where he could not get at it more often than once every three to six months, and then purchase a new set of tubes. The service manager continued:

"Very little filament emission trouble is reported on 201A, 301A or power tubes. Burn outs or rough handling usually end their careers."

Aerial and Ground Weak Spots

"What aerial or ground troubles and repairs within the sets themselves do you find most often?" I asked.

"Aerials are often too long, making the set tune broadly. In this case we shorten them to fifty feet or less. Then again they may be very dirty, their insulators dirty or cracked, or on flat buildings we many times find aerials crossing one another and making contact at the crossing. Sometimes they are loose and sagging. We tighten them.

"The all-important ground connection is sadly neglected in nearly every case where the fan makes the installation himself. Listeners should realize that a perfect ground connection means the difference between good selective reception, the hearing of distant stations, and not having either.

"Loop aerial connections are sometimes broken, short-circuited or loose. One man thought because his loop was inserted in a socket which revolved, that he should oil it. He did. When we called we cleaned out the oil and the set worked once more.

Set Itself Gives Least Trouble

"The set itself gives the least trouble of all, if you do not count tube trouble as set trouble, which you should not. Now and then we trace the trouble to a 'resin' joint in the set's wiring, or to wiring that has broken at some point through shipment or rough handling. A touch of solder and this is overcome. Often so-called set troubles are found merely to be loose connections at the binding posts of the set. The listener always feels foolish when he pays $1.50 to learn this simple thing.

"We always give two months of free service to everyone buying a receiver through our store. When that period is over we charge a fee of $1.50 for each

(Continued on page 38)

We Are Like That!

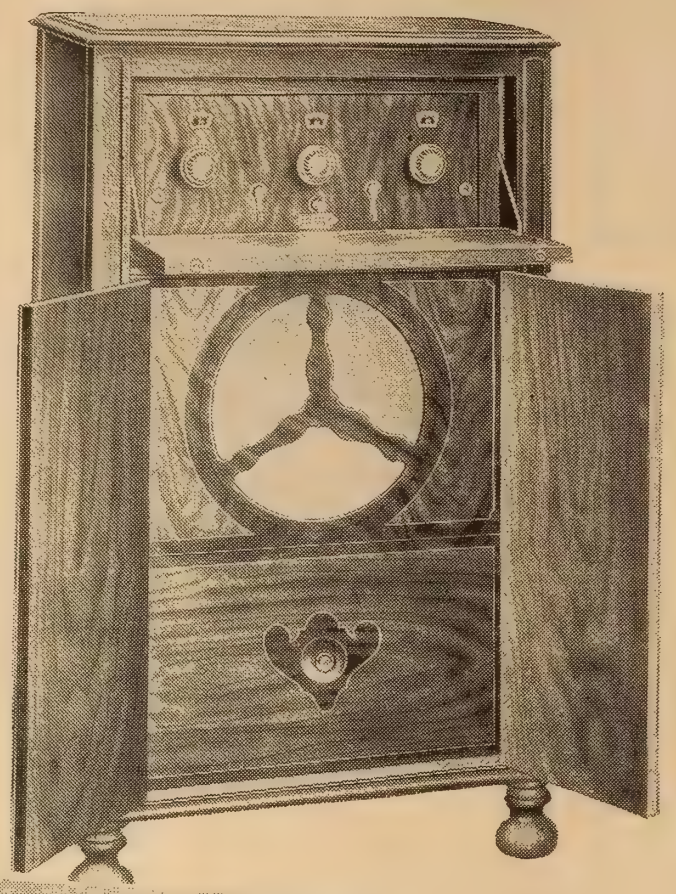
WHEN a middle-aged gentleman of rather pugnacious temperament tongue-lashed the service manager of a large Radio store, he finally sent one of his best trouble shooters to the man's house. Evidently the set did not require much work, for the repair man was back in a hurry. "What was the trouble?" the service manager inquired.

"Hah! That's the best one yet," the trouble shooter replied. "It cost me one minute's work and the old duffer just $1.50 because he forgot to turn on the battery switch."

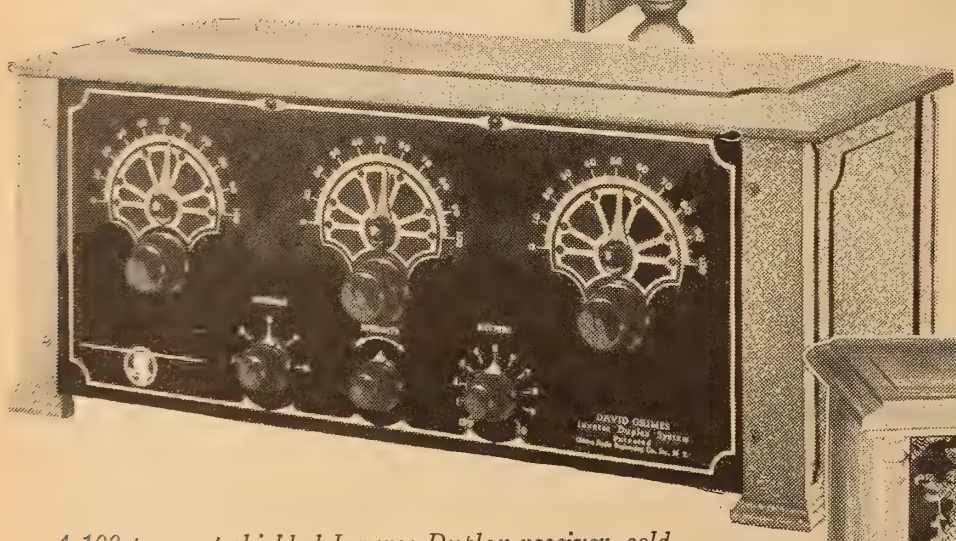
You would be surprised to know the number of foolish calls for service made upon the average Radio dealer. The article herewith describes some of the most frequent troubles of average broadcast listeners. The majority of legitimate troubles are caused by run-down batteries or defective tubes. Read this and save yourself and others "grief."

Season's New Models Please

WITH the Radio shows and expositions of the fall comes a most pretentious array of 1927 model receivers and accessories. On this and the facing page are described some of the outstanding designs which have been prepared to attract the broadcast listener's attention. No doubt, many persons will replace their receivers this year with sets containing advantages to be had in this season's designs. Principal improvements observed this fall are simplification of control, more beautiful and artistic cabinets, mechanical refinements in the interior construction, perfection of audio frequency amplification to yield almost life-like reproduction, increased selectivity, and the shielding of tuning units or entire cabinets. Further details, including prices, of any of the receivers shown may be had merely by writing a letter to RADIO DIGEST

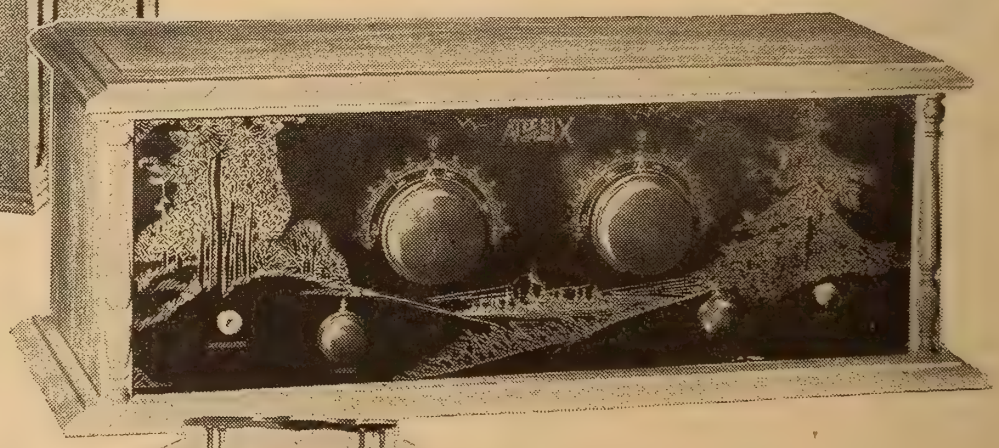


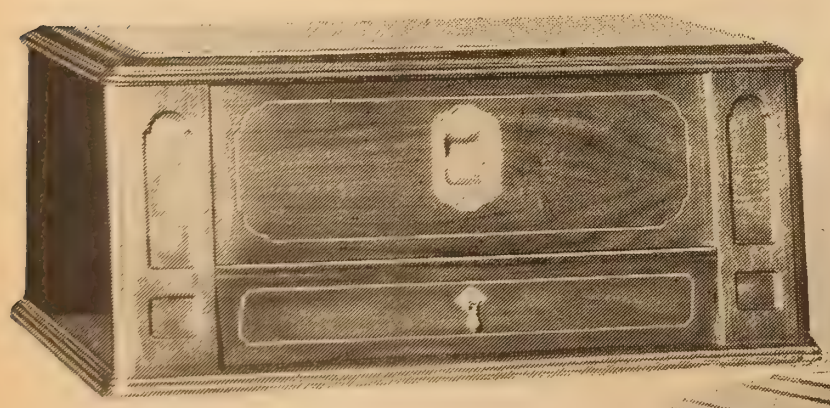
The distinctly beautiful Freshman console on the left, known as the 6-F-11, is the captivating product of this well-known manufacturer. Built in a rich-grained mahogany cabinet having a soft and alluring finish and equipped with a licensed cone type speaker designed especially to reproduce the exceptional quality and volume of the new and improved Freshman Masterpiece receiver, this exquisite creation has been named "The Masterpiece of Masterpieces." The receiver itself has been designed to employ the new power tubes with the result that great volume with wonderful clarity are the outstanding features. In conjunction with the "A-B-C" power supply unit which the Freshman company manufactures, the console can be operated entirely from the light socket. The mellowness of tone is really surprising, the lower notes being brought out with utmost fidelity. The new receiver is Freshman's supreme work.



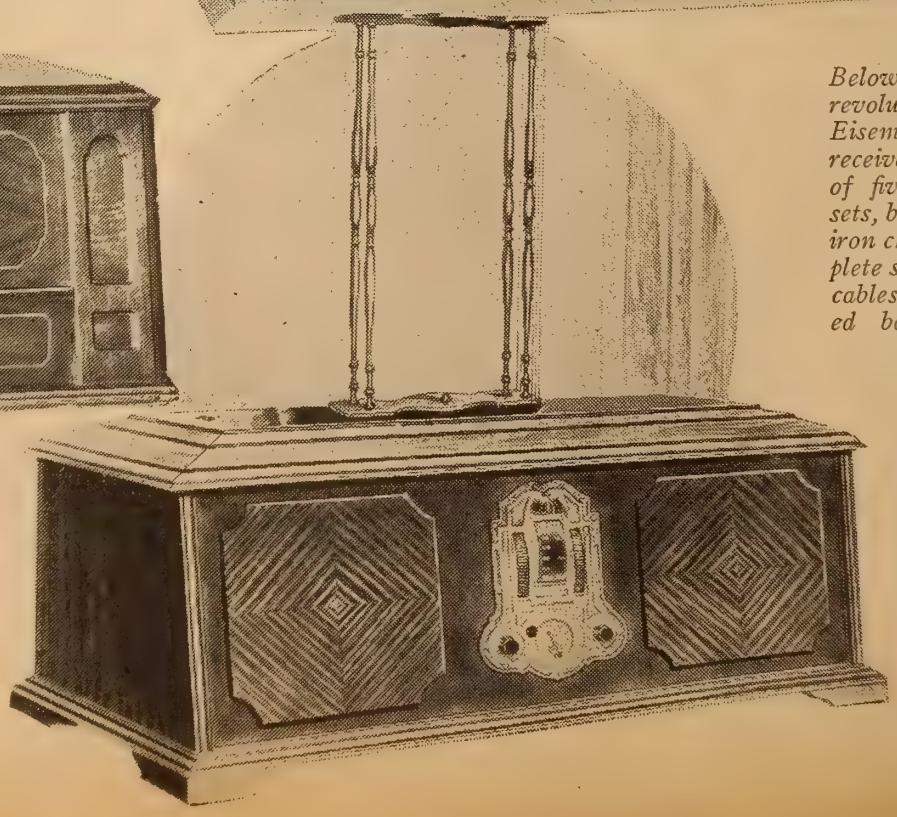
A 100 per cent shielded Inverse Duplex receiver, sold in kit form in two models, a four dry cell tube and a five storage battery tube style, are the first products of the reorganized Grimes Radio Engineering Co. Above shows one assembled. All three dials are operated from one central knob, or individually.

A beautified front panel, graven in gold, is the pleasing contribution of the Atec receivers, the six tube T. R. F. model of which is shown below. There are but two dials to tune, and these are made conveniently large. A five tube T. R. F. model is also made by the Able Tool and Engineering company. Both cabinets are walnut finished.





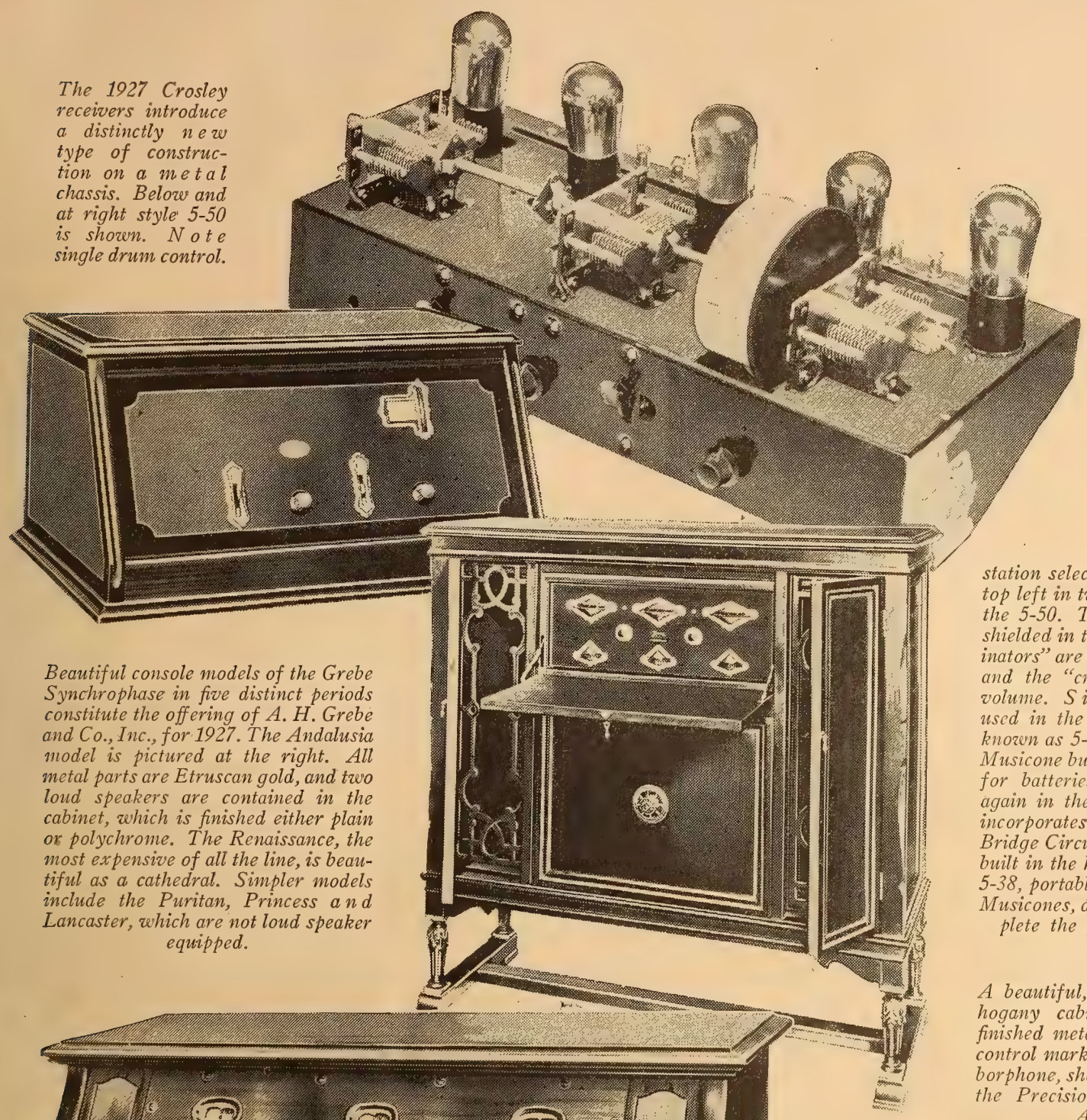
"Are You Thrill-Proof?" asks the Bremer-Tully Mfg. Co., in advertising their new Counterphase-Eight, shown above. And it is a real thriller too, with four stages of tuned radio frequency operated with but one control. Perfect reproduction, a different cabinet, total individual shielding, metal chassis, and good design feature this 1927 receiver.



Below at left is the revolutionary Freed-Eisemann model 800 receiver, one of a line of five to eight tube sets, built on an angle-iron chassis with complete shielding, battery cables, wave-calibrated barrel dial, and voltmeter.

Show Desirable Refinements

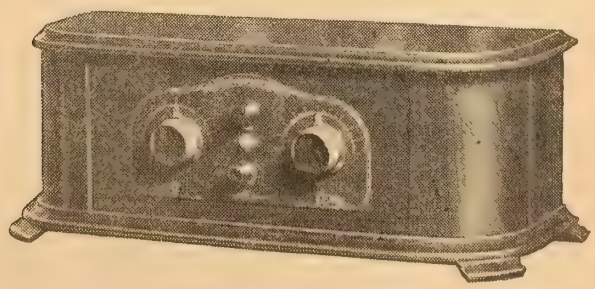
The 1927 Crosley receivers introduce a distinctly new type of construction on a metal chassis. Below and at right style 5-50 is shown. Note single drum control.



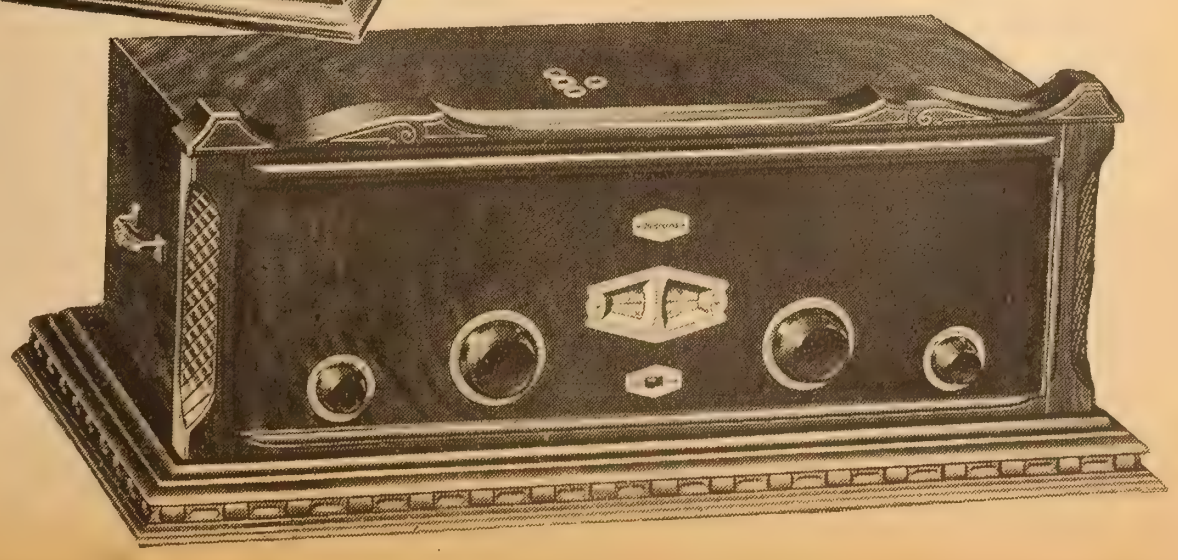
Several new developments in Radio set construction for the coming season have been announced by Powel Crosley, Jr., president of the Crosley Radio corporation of Cincinnati. Some of the 1927 models include a method of using single dial control without loss of selectivity, all-metal chassis for mounting the parts and many other new features, such as the built-in Musicone speaker. The most outstanding of the new receivers is the five tube, single control, graphic station selector model, shown at the top left in two views, and known as the 5-50. The set parts are totally shielded in the metal chassis, "acuminators" are provided for fine tuning, and the "crescendon" controls the volume. Similar construction is used in the high console model, known as 5-75, with the Crosley Musicone built in and space provided for batteries or eliminators, and again in the RFL-90 model which incorporates the famous R. F. L. Bridge Circuit. The RFL-90 is also built in the high console. The 4-29, 5-38, portable, "Pup," four types of Musicones, and a Musiconsole, complete the popular Crosley line.

Beautiful console models of the Grebe Synchrophase in five distinct periods constitute the offering of A. H. Grebe and Co., Inc., for 1927. The Andalusia model is pictured at the right. All metal parts are Etruscan gold, and two loud speakers are contained in the cabinet, which is finished either plain or polychrome. The Renaissance, the most expensive of all the line, is beautiful as a cathedral. Simpler models include the Puritan, Princess and Lancaster, which are not loud speaker equipped.

A beautiful, distinctive brown mahogany cabinet, small and well-finished metal panel, and simplified control mark the 1927 five tube Arborphone, shown below and made by the Precision Products Co., Ann Arbor, Mich.



Above is the new Chelsea Truphonic-Six, utilizing an entirely new system of quality audio frequency amplification, and encased in a two-tone mahogany finished cabinet with dial window indicators. Six tubes are employed. It's made by the Chelsea Radio Co.



There is hardly sufficient space to tell the many interesting and new things in the Howard S-7 seven tube, loop operated neutrodyne. It's completely shielded, dual controlled by calibrated and illuminated dials, and is housed in a cabinet worthy of a place in any parlor.

ANNOUNCE MANY BIG FEATURES FOR WEAF

INCLUDE CHAIN STATIONS IN AMBITIOUS EFFORTS

Atwater Kent Hour Becomes Full Hour October 3—Balkite Hour with Damrosch Begins Oct. 23

NEW YORK.—A veritable host of exceptional events to be found on WEAF's programs during the coming weeks has just been announced.

First of all, the Atwater Kent hour, shortened to a half hour during the warmer months, will again go on its hour schedule beginning on Sunday evening, October 3, at 9:15 o'clock Eastern Standard time. The chain carrying the feature will be extended to include WEAF, WEEI, WJAR, WTAG, WGR, WRC, WCAE, WTAM, WWJ, WSAI, WGN, KSD, WOC and WCCO. A galaxy of noted soloists and grand opera performers will be featured again in this weekly Sunday program.

The "Vikings" will return to the air on Tuesday evening, October 5, at 8 o'clock and will be heard each Tuesday at the same time for forty-five minutes. The same chain as above, with the exception of WRC and WGN and the addition of WFI and WCSH, will carry this feature.

Balkite Damrosch Hour Starts

On Thursday, October 7, at 8:30 p. m. a new program, that of the Schickerling quartet, will be heard through WEAF, WEEI, WJAR and WFI. This will be a regular Thursday program.

The programs of the Balkite hour have their inception on Saturday evening, October 23, and will probably be among the most ambitious ever attempted by any broadcaster. They are now being carefully arranged by Walter Damrosch, the noted leader of the New York Symphony orchestra. The first concert will be a full symphony program by Mr. Damrosch and the orchestra. Thereafter the concerts will be arranged as far as possible in pairs each being preceded by a piano recital by Walter Damrosch. In these recitals, for which he is famous, Mr. Damrosch will discuss, explain and play important parts of the program to be sent out on the air the following week. By this method it is expected that the program will not only be of the greatest entertainment value but a liberal musical education as well. These concerts will be given every Saturday night at 9 p. m., Eastern time, over Stations WEAF, WEEI, WGR, WFI, WCAE, WSAI, WTAM, WWJ, WGN, WCCO, KSD, WDAF and WOC.

"Billy" Jones and "Ernie" Hare Return

"Billy" Jones and "Ernie" Hare have returned to WEAF's microphone and will be heard regularly now on Friday evenings at 8 o'clock with their popular programs. Their repertoire of jokes, stories and experiences has grown much larger during their vacation, and should be more attractive than ever before.

The La France orchestra, recently added to WEAF's program, will continue to be heard Friday evenings at 9 o'clock. Stringed instruments predominate in this unusual orchestra. "The Mysterious Baritone" is another feature of the La France half hour. The program is broadcast through WEAF, WEEI, WGR and WOO.

Lady Fan Asks Artist To Signal Love State

Would Have KFI Star Say It With Code of Songs

LOS ANGELES—"It's one if by land and two if by sea," said Paul Revere, before he started on his famous ride, but Paul Roberts, KFI tenor, finds that his signals are not so simple.

In his fan mail recently he found a letter from an admiring woman which asked many personal questions, among which were whether he were married, or single, young, or old, thin, or fat; whether he felt a pang of love for the unknown writer, or was he quite heartless?

Inasmuch as the type of letter practically forebade an address and a name, Mr. Roberts found it impossible to answer the questions.

A few days later another letter arrived containing the glowing idea that he should answer her secretly by Radio through a code of songs.

"If you are single," the unknown wrote, "then sing, 'All Alone'; but if you are married, sing 'The Battle Hymn of the Republic'; if you are young, sing 'At Dawning'; if you are old, sing 'Darling, I Am Growing Old'; if you want my love and want to meet me, sing 'The Hand of You' between 8 and 9 next Wednesday."

Roberts went before the microphone the following Wednesday night and sang all of the songs in one group except "The Hand of You," which he swears he will never sing again.

TRAMP CAT ALMOST MURDERS WGY STAR

SCHENECTADY, N. Y.—One of WGY's popular entertainers lingered between life and death for a few days recently, as a result of a murderous attack by a marauding cat.

Pete Van Curler is probably the youngest and the smallest Radio performer appearing regularly on a program. He has appeared as concert artist with the Hotel Van Curler orchestra every Thursday afternoon and many letters have been sent him by appreciative listeners. He is a Hartz mountain canary with a throat that emits golden music. Pete's cage is placed along side of Porter Potts, the director of the orchestra, and when the violin begins to sigh Pete just lets go with everything he has.

A few weeks ago, while Pete was perched high for the night, a tramp cat, one of the kind that nobody loves, sprang at the cage and before anyone could intervene he had reached through the wires and had dealt Pete one wicked blow with his clawed paw. Pete was in a pretty sorry state for days and it was thought he might lose at least an eye, if not his life.

However, Pete is getting better and has thrilled his friends by chirping brightly when he hears the distant music of the orchestra. He hasn't sung yet but in a few days his cage will be carried to its place beside the orchestra and he will be invited to take part again in the program.

WAVE PIONEERS MAY SOON BLOCK JUMPER

COMMERCE DEPARTMENT EXPECTS TROUBLE YET

Cooler Months Are Anticipated to Bring Fan Complaints—Little Power Required to Interfere

WASHINGTON, D. C.—Reports are current here that some of the broadcasting stations with long wave lengths will probably go into court this winter to see if they can obtain injunctions against those stations which have "jumped" their wave lengths. No such cases have yet been filed according to the information available here.

Officials of the department of commerce who are watching the Radio situation are of the opinion that the coming autumn and winter will bring considerable in the way of "kicks" from Radio listeners, because of this duplication of wave lengths. Not so many complaints have been received during the summer months, but this is believed to be because the signal strength of all stations is somewhat reduced during the summer.

Little Power Needed to Interfere

According to Dr. George C. Southworth, who has calculated the signal strength broadcast by a station and the power required to give a fairly loud signal with the ordinary receiving set, the energy of the ether waves flowing through every square meter of a place perpendicular to a line to the station, is about a quarter of a microwatt (millionth of a watt).

This energy would have to be multiplied 160 million times if it were to be sufficient to light an ordinary 40-watt electric lamp.

Even though Dr. Southworth might have erred considerably in his calculations, it does not take a great deal of imagination to understand how delicate a Radio broadcast wave really is. No wonder we have "interference" with these delicate waves.

Tune in WGY Sept. 18 and Tell Which Set Sends Best

SCHENECTADY, N. Y.—Propagation tests on two of its three transmitters will be continued by WGY, of Schenectady, on Saturday night, September 18, on 379.5 meters. Engineers of the General Electric company are endeavoring to give Radio listeners the very best possible transmission and the cooperation of listeners is necessary.

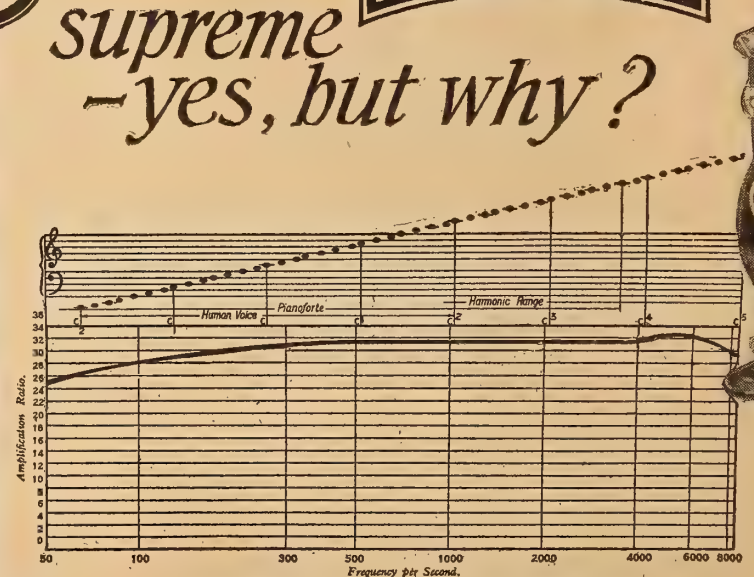
The transmitters used are known as No. 2 and No. 3 The former will be used until 9:30 p. m., Eastern Standard time, at which time No. 3 transmitter will be operated for a half hour period. At 10:00 No. 2 will be put in commission until 10:30, when No. 3 will go on the air for a period of a half hour.

The listeners are asked to compare the signal strength of the two receivers and to give their opinion of the relative reliability of the output. Listeners are also asked to indicate their preference.

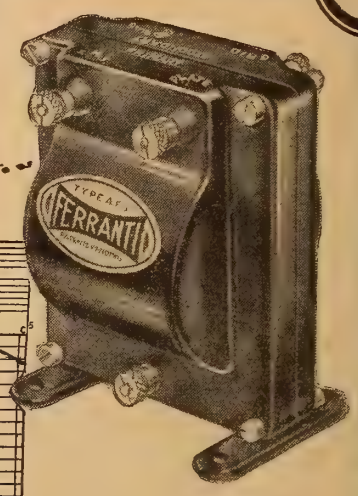
THE NEARLY PERFECT TRANSFORMER

FERRANTI

supreme —yes, but why?



AMPLIFICATION CURVES. (BASED ON A MUSICAL SCALE.)



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THE NEARLY PERFECT TRANSFORMER

"GOODY GOODY GIRL"

(Continued from page 7)

them. His day had marked the climax of the family fortunes, however. By the time Lois was born they had dwindled to mere ownership of part of the original lands and these her dreamy, inefficient father had heavily mortgaged in preference to working them that he might have the more leisure for the books in the library of the old colonial house. He had left even less for his widow and daughter.

PHINEAS BLAIR with his Yankee shrewdness, his northern push and drive, had come along and married Mrs. Sylvester just in time to save the lands from passing out of her hands altogether and into the hands of those who held the mortgages. He had promptly moved his newly-acquired family out of the old home into a smaller house in Paradise. An indefatigable worker himself, he had demanded work from all those about him. Even his gentle little wife, reared to be a so-called lady, did not escape. She did her own housework and continued to do it long after the necessity for it had passed, because with affluence Phineas Blair continued tight-fisted. Under a law written in the days when the man owned everything and his wife nothing, he got ownership of the plantation when his wife died. Lois got only the burden of her mother.

She was only slightly better equipped to bear it than her mother had been. That mother had secretly hoped that the girl would fare better than she in the end. She had succeeded in getting her almost through the high school in Clermont, had managed to have her voice—it had been discovered she had one—trained to some extent, had brought into her life as many outside influences as she could before she died.

All that had come to an end when she no longer was there to stand between Lois and Phineas Blair. He turned the sixteen-year old girl into his housekeeper, drudge rather, and set his heavy foot down upon everything else. He had put her through high school, he said. That was enough education for any woman. He could not see why she wanted further training in music. She sang better than any girl he knew; she was a member of the church choir and had all the solo parts at entertainments. He had money, yes, but he had earned it and he proposed to keep it just as the law allowed. She would be sheltered, clothed and fed while he lived and in his will he would not forget her. But as for the rest—

The rest was what Lois was striking for when she stole away from his house in the night and took the road to Clermont. Neither the night nor the road held any terrors for her. Even if she had not been country born and raised the buoyancy inspired by the first real freedom in all her life would have kept her unafraid.

SHE HAD expected to walk the entire five miles, with frequent rests to ease the burden of the suitcase, but two miles away from home she heard the distant throb of a motor behind her and twin beams of light suddenly flooded the road. Her heart leaped into her throat. Had Phineas Blair discovered her absence already and was he pursuing her?

A frightened glance over her shoulder showed her the car was still some distance away. She did not believe she had been seen. She scrambled down into the ditch beside the road and took refuge among the tall and dusty weeds which lined it.

The car kept on coming but it seemed to her that it had slowed down. She was sure of it a moment later when a spotlight suddenly sprang into life and began to search out the sides of the road. Looking for her? Had she been seen? Was it Blair? Was her bid for freedom from his shackles to end in being caught and dragged ignominiously back to them? She crouched deeper among the weeds.

Almost opposite her the car came to a stop. It wasn't Blair's roadster, she saw, but a touring car.

"Hello," a voice suddenly called, a youthful sort of a voice that she thought held something familiar but could not place. She did not reply and a moment later the hail was repeated. Then the spotlight came into play again, searching her immediate vicinity. Her already quick-beating heart began to race and she sought to shrink still closer to the ground. The shaking weeds betrayed her and abruptly the light picked her out.

THE DRIVER of the car left the light upon her, got out and came over to the edge of the ditch.

"I knew I'd seen a girl walking along ahead of me. What did you want to hide for?"

She rose to her feet but made no move to quit the ditch, although he bent over and stretched out his hand.

"Because I wanted you to pass on," she said, answering his question. "There's nothing to keep you from doing it now, is there?"

"Only you. It doesn't seem hardly fair to drive away, leaving a lady standing alone in a ditch in the middle of the night. You're going to Clermont, aren't you?"

"Yes."

"Here's where you ride the rest of the way. Give us your hand. Pass up the suitcase first."

"I'd much prefer to have you go on about your business and let me walk."

"Not much. Where would our well-known Southern chivalry be then? Pass up the suitcase."

She hesitated but a moment. He spoke like a gentleman and of chivalry. Surely there'd be no danger. She held the suitcase up to him, felt it taken from her and her hand grasped in the same moment and was drawn up the bank full into the glare of the spotlight. She bent her head to keep the light from her eyes.

"Here, here. No fair." His hand touched her under the chin, pressed her head upward. "Oh!" A new note, of respect it seemed to her, came into his tones. "It's Lois Sylvester, isn't it? You know me. Herbie Coles."

THAT accounted for the familiar something in his voice. She did know him, had been a schoolmate of his for one term at the high school. The fact that it was he disturbed her. The Coles' lived over beyond Clermont, had plenty of money, but, in the language of the negroes, were not "quality folks." Herbie, she had heard, was "wild."

He tossed the suitcase in the tonneau, helped her into the seat beside the driver's and got in himself.

"Running way?" he asked presently.

"Oh, no. Just going away for a few days on a visit."

He laughed shortly. "I wouldn't have guessed it, your walking to town, carrying your things, when Phineas Blair has a car and money besides. I'll bet he doesn't know you're going."

She did not answer.

"There, I knew it," he said triumphantly. "You are running away. Going off on your own, aren't you?"

"On my own, yes, but not running away. I'm of age and free to do as I like, I believe."

"You'll find it involves paying as you go."

"Paying?"

"Yes. This ride, for instance."

"Oh, you want me to pay for it?"

"Absolutely. I'm saving you a long walk. Three miles, anyhow, and hauling your suitcase besides. But I'll let you off easy. One little kiss and we're square."

She drew away from him toward the side of the car.

"COME on, girlie. What's a kiss between old friends, schoolmates and all that? Absolutely nothing. Pucker up your lips."

"No."

Suddenly he threw out the clutch, guided the car to the side of the road and brought it to a stop.

"Do I get that kiss?" he demanded.

"Certainly not."

"I'm going to take it, anyhow." His arms suddenly went about her shoulders and drew her to him. His other hand caught the back of her head and held it while he pressed his own burning lips to hers. She began to struggle, to hammer him with her little clenched fists. One of them caught him flush in the mouth so that he released her and before he could seize her again she had opened the door and left the car.

Her toe came in contact with a large stone and she bent quickly and picked it up.

"Drop that!" commanded Herbie Coles sharply.

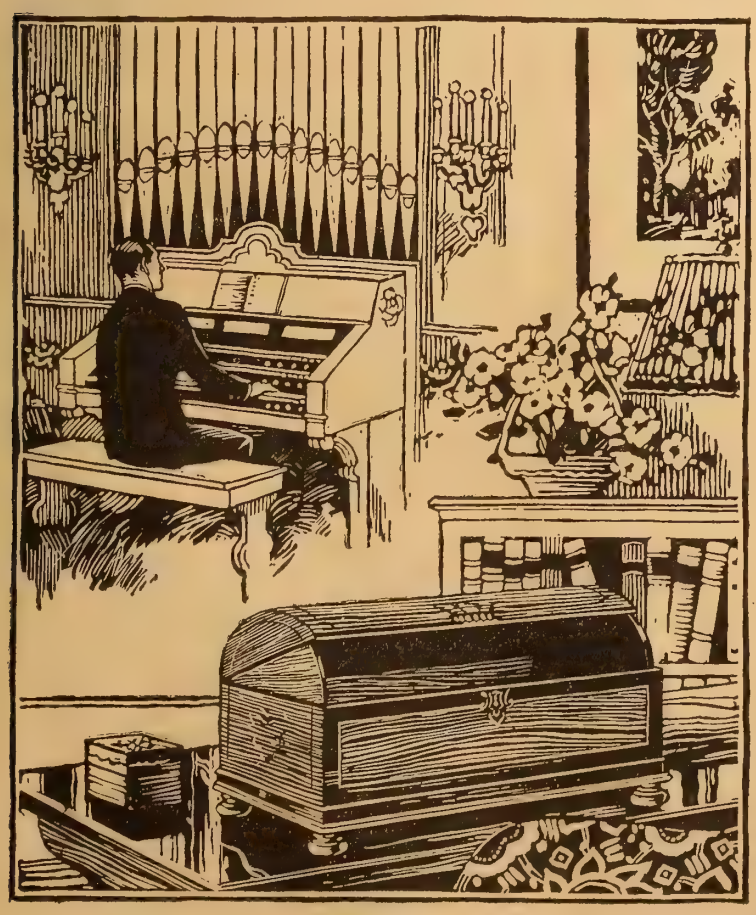
Instead she drew back her arm. "If you get out of that car I'll smash your face with it," she threatened.

Evidently he was convinced that she meant it. He dived into the tonneau and hurled her suitcase out into the road. "Now you can walk, you damned little goody-goody," he said venomously and threw the car into gear.

Lois made a little face toward the swirl of dust which marked his retreat. "You had a nerve to boast of Southern chivalry," she said half-aloud. "But then, you're only trash, after all."

Before she picked up the suitcase and trudged off in the direction of Clermont again she got out a handkerchief and scrubbed her lips. His had not been the first kiss she ever had received from the opposite sex, but it was the first of its kind. The others had been chaste salutes implanted upon her lips at parties or the like and had meant nothing. His had burned her, had been shot through and through with an implication of something behind it. She had not realized that so much could be conveyed by the touching of lips.

THE ENCOUNTER had not frightened her. Her feeling, rather, was one of indignation that Herbie Coles, nobody in particular for all that his folks had money, had dared to affront her. She was a Sylvester, for all that she was little more than a servant in the house of Phineas Blair. One did not paw a Sylvester or kiss her against her will. Other boys always had treated her with



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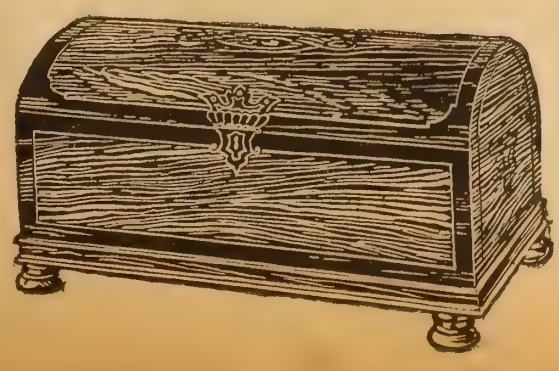

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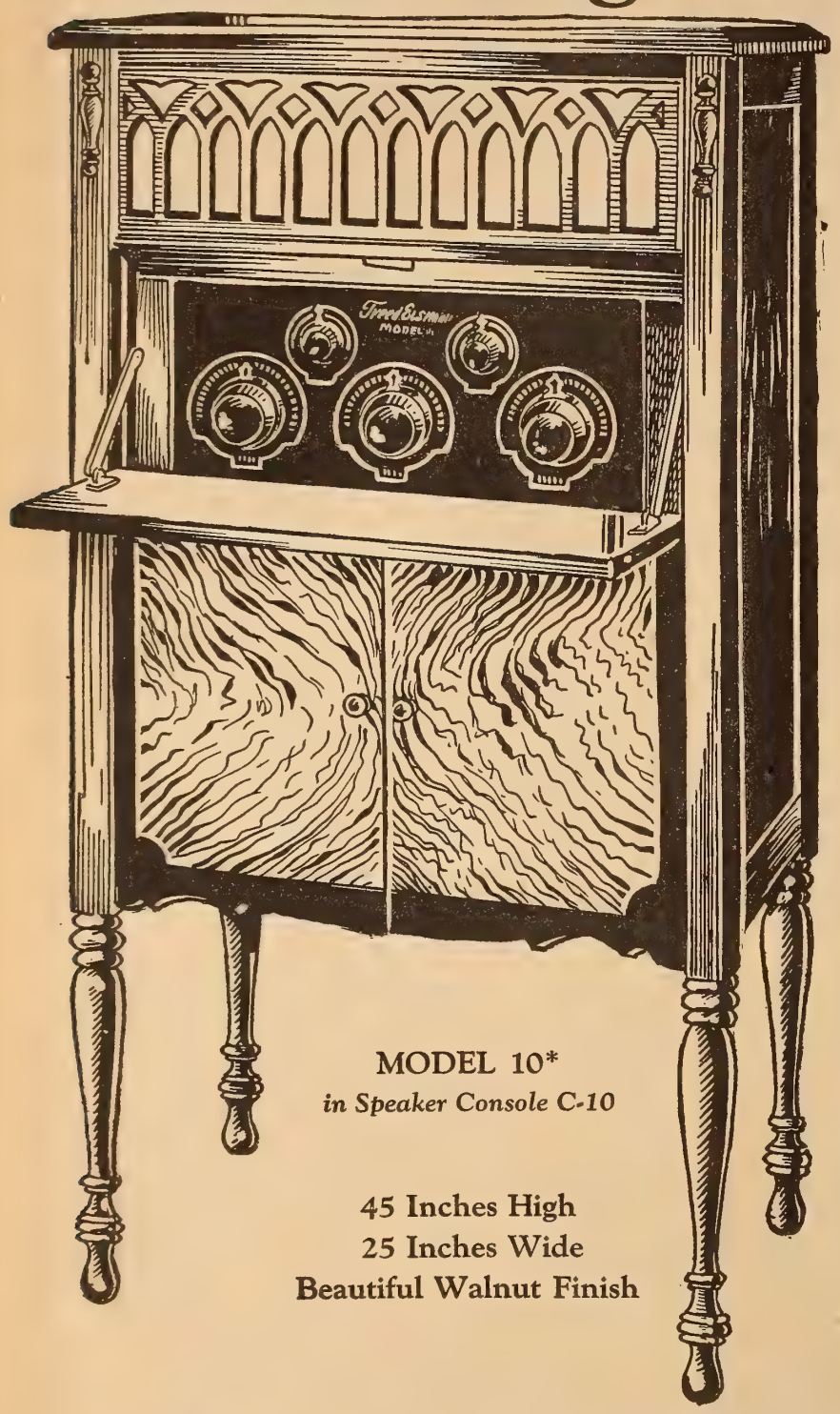

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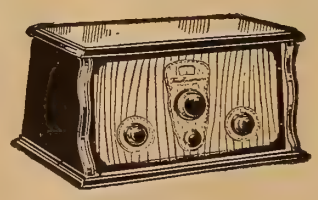

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FREED-EISEMANN RADIO CORP.
Brooklyn New York

the respect amounting almost to awe that is accorded the first families of the South. Something of the same had crept into Herbie Coles' voice when he had discovered her identity. Later, of course, he had grown bold, taken advantage of what he believed to be her helplessness, but—

"I showed him I knew how to take care of myself," she said proudly.

Leisurely as was the pace which she set herself, she came into the outskirts of Clermont before dawn. Occupants of the frame houses she passed were still wrapped in slumber as she walked along a tree-shadowed street that eventually brought her out upon the public square about the court house.

The lights of a little all-night restaurant beckoned her. It was deserted save for a combination cook-waiter with a funny little white cap askew on his head who dozed behind the counter. He came wide-awake with a start and gaped at her as if unwilling to believe what he saw. Then he became bustlingly active, and having taken her order and filled it sought to start small talk.

FATIGUE was beginning to creep upon her so she sought to discourage him by short replies. No whit discouraged, he rattled on and to get away from him she hurriedly finished the meal, paid her bill and, the suitcase grown heavy at last, went across the street and sat down upon a wooden bench on the court house lawn. She propped her elbow upon the suitcase, cradled her cheek in her palm and drifted into sleep.

She awoke with a start some time later. People were astir in the streets, business was coming to life about the square. Hurriedly she got up and found a place where she could catch a glimpse of the big-faced clock in the court house tower. Eight o'clock. Her train was due in fifteen minutes and the station was at the foot of one of the streets running into the square. Four blocks, but, thank goodness, it was down-hill.

She was still a good half-block away when a locomotive whistled and she broke into a run. To miss the train now— A moment later a line of passenger coaches slid into view, crossing the end of the street down by the station. They were going in the wrong direction, however, so that she knew it must be the north-bound express. It would meet the local she intended to take, no doubt. She left off running but continued to walk fast, her ears tuned to catch another whistle.

It had not sounded when she set foot upon the end of the wooden platform of the station and set down the suitcase to arrange her dishevelled self and catch her breath before proceeding to the station itself to buy her ticket for Kaneville.

Then she chanced to look up and what she saw made her look wildly around her for a way of escape. Not more than fifty yards away Phineas Blair was stalking along the platform toward her.

CHAPTER III

Rescue

WHITE-FACED and trembling, as incapable of movement as if she had been turned to stone, Lois watched her step-father's long strides eat up the distance between them. The set of his shoulders, the way he moved his heavy feet down upon the platform, spoke of an attitude as inexorable as doom itself. What would he say, what do, when they came face to face?

Suddenly he turned off into the station house. A great sigh of relief welled up between her lips. He had not seen her, evidently. Now, if ever, was her chance to foil him. The paralysis induced by the shock of discovering that he had trailed her vanished as instantaneously as it had come. She glanced swiftly about her.

The observation car of the express had come to a stop just opposite where she stood. She seized the suitcase, jumped off the platform, fled across the rails and darted around the end of the car. It's heavy trucks seemed to offer a screen from those on the platform and she halted beside them. For the moment she was safe. If Blair did not find her before the local arrived she could board it from the off-side, between it and the express, and proceed to Kaneville. Not seeing her get on, he wouldn't be likely to search it.

Two cars ahead a bare-headed young man stood beside the express, chucking stones at a telegraph pole on the edge of the right-of-way. Suddenly he desisted, stared a moment in her direction, then came toward her. As he approached he opened his mouth as if to speak but closed it again when she laid a finger across her lips and flashed him a look of pleading. He nodded and went on past her around the end of the car.

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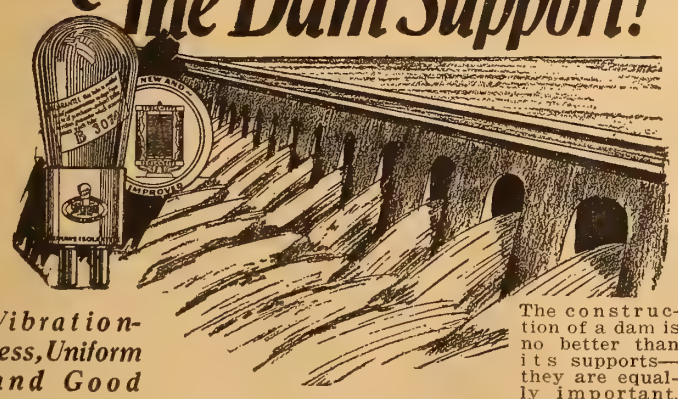

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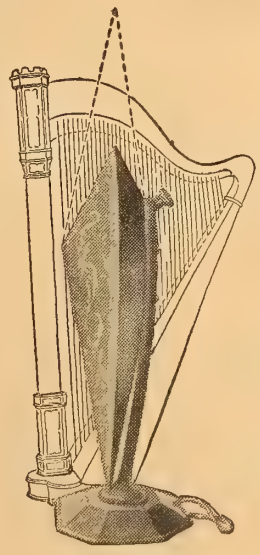

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AT ONCE a voice hailed him from the platform: "See anything of a young woman around on that side, mister?"

"A woman? What kind of a woman?" countered the man off the train.

"A two-legged woman, with two eyes, two ears, one nose—"

"Funny, aren't you?" interrupted the other. "You ought to go on the stage."

"Now, you listen, young feller—"

"All right, you're forgiven. But tell me, what would a woman be doing around there, officer?"

Officer! Lois' heart skipped a beat. Blair had invoked the aid of the law. How could he? What had she done?

"Thought maybe she might be hiding, waiting for the local, figuring she's board it from the far side."

"I see. What's she done?" The man so cleverly evading the questions of the man he had called officer had put the one she wanted answered.

"That's none of your business," broke in Phineas Blair's voice. "What she's done makes no difference so long as she isn't around there. We'll have to search the train, Jed."

"Now, what good would that do? You ain't got no legal right to stop her and you know it. And I won't search no train. I told you I'd see if she got on from the far side and that's what I'll do and no more."

Lois picked up her suitcase and began edging away. When the express pulled out she would hide at the foot of the embankment until everything was quiet about the station, then—

The open vestibule by which the young man had descended gave her a new idea. Why not board the express, ride to the junction down the line and take the late afternoon train back to Kaneville?

SHE WAS struggling to throw the suitcase into the vestibule when the young man came back on a run. He took it from her and tossed it up the steps.

"Hurry, we're about to pull out," he said, put his hands under her arms and boosted her on. Then he swung aboard himself as the wheels began to move.

"Close work," he said with a laugh. "Now that you're aboard, what next?"

She explained that she intended to ride to the junction.

"You won't if the conductor sees you. This train isn't supposed to pick up passengers like this, you know. Some kind of fool interstate law. This conductor of ours is a crab. It would be like him to stop the train, put you off—"

"Oh!" Tears welled up into her eyes. The physical and mental strain she had undergone were telling on her.

"Here, here, don't start crying," he begged hastily. "I imagine I can fix things if—how game are you?"

"I'm beginning to get desperate."

"In that case—come along. Better cross your fingers, though—for luck. If we're caught—"

He picked up the suitcase and led the way into the Pullman. Not without trepidation she followed past the curtained door of the smoking room to the end of the narrow passageway into car proper. He took quick survey of the high-backed seats, then quickly opened a door marked "Drawing Room A" and motioned her to enter. When he had followed he closed the door and threw the catch that locked it.

SHE CLUTCHED at his arm. "Why did you do that?"

"To keep out intruders," he explained. "Neither the conductor nor the porter is at all likely to come, but I've friends on the train who might take it into their heads to drop in. If the door is locked they'll go away again."

"I see. It's very kind of you and I'm deeply grateful."

"Please! It's nothing at all and I'm glad to have you here, even if it's only as far as the junction. I knew this was to be my lucky day. Back there when I got off to stretch a bit before breakfast I found a four-leaf clover."

"It's good luck seems to extend to me as well," she replied entering into his whimsicality. Then she sobered: "Do you know, I don't feel quite right about this—riding without paying my fare, I mean. It seems like stealing, and only last night"—she frowned at the recollection—"I was told that being on my own I must expect to pay my way."

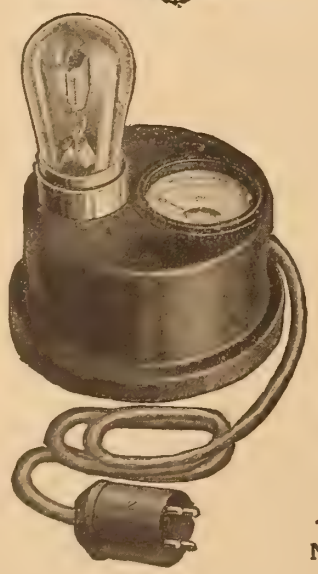
"Not this time. You needn't worry about defrauding the company, either. To get this drawing room I had to buy two full tickets. You're merely riding part of the distance that the unused one calls for. But—ethics are boresome subjects. Let's talk about the most interesting thing in the world—ourselves. To begin with, I'm Raymond Lancaster and my home's in Chicago."

"And I am Lois Sylvester from Paradise."

"I believe it; the Paradise part. Small town, I suppose? Sylvester means 'born in the country.' And Lois—'good,' 'de-

(Continued on page 18)

JEWELL



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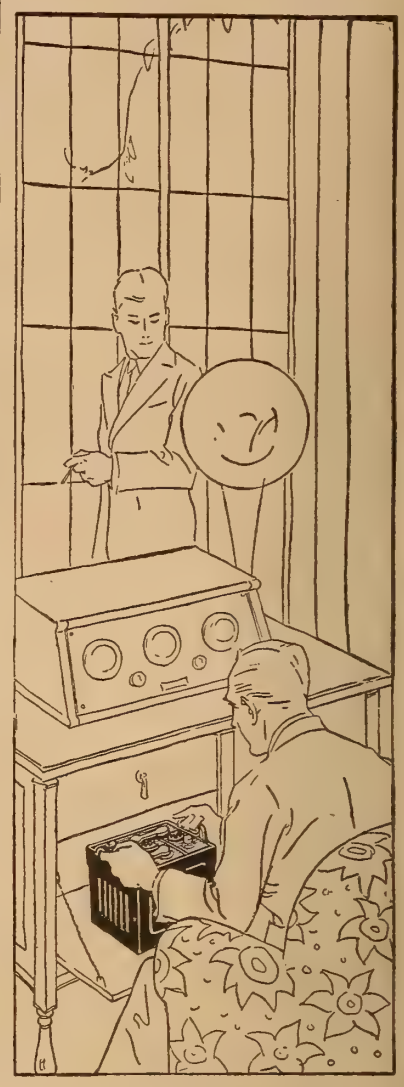

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DON'T THROW AWAY YOUR RECEIVER YET

"EVERYTHING'S GOING TO BE ALL RIGHT" IN 1933

Dr. J. H. Dellinger Tells About Sun Spots and How They Spot Up Reception

WASHINGTON.—Cheer up! From 1928 to 1933 Radio reception conditions should improve, reaching their best in the latter year.

So speaks the bard of the bureau of standards, Dr. J. H. Dellinger, in explaining to the layman the sun-spot Radio interference theory, which observations have practically proved correct.

During the first part of 1926 experienced listeners will recall that reception conditions were below par and quite freakish. Dr. Dellinger explains as follows:

"Sun spots throw out enormous eruptions of electrons and other electrical particles some of which reach the earth's atmosphere. When the sun spots are particularly intense, Radio reception is apt to be disturbed and poor. This has not been conclusively proved, but seems to be indicated by such observations as have been made.

From Bad to Worse, Then Good

"The sun spot cycle is eleven years, that is, there is a minimum of spots on the sun for a time, after which they gradually increase and pass through a maximum and return to a minimum, the whole occupying eleven years. The last sun spot minimum was in 1922 and it would be inferred, therefore, that Radio reception at its best in 1922, should be progressively worse to 1928, and that in succeeding years reception conditions should improve and be at their best again in 1933.

"It will be interesting to see whether this occurs and whether future observations on sun spots will show a closer correlationship with Radio reception conditions."

Musicians Operate WLWL

NEW YORK.—Every member of the staff of Station WLWL of New York who has any monitoring of programs to attend to is a trained and accomplished musician.

IMPERIAL IMPS TRY TO BECOME ANGELS

NEW YORK.—The Radio adudience nearly lost two of their favorite entertainers in a recent railroad catastrophe in New Jersey. The Imperial Imps, featured Wednesday nights at WJZ, were seated in one of the cars of a train which met with an accident, but in spite of the fact that they were severely shaken up and sustained minor cuts and bruises, they escaped serious injury.

Snappy "Air Copy" Is Promised

WASHINGTON, D. C.—Sam Pickard, chief of the Radio bureau of the United States department of agriculture, has added two new trained writers to his editorial staff. They are Miss Josephine Hemphill of Kansas and Solon R. Barber of Utah. Both have had practical experience in writing for metropolitan and rural readers. Samples of their products are to be distributed to the broadcasting stations within the next few days.

Greenwich Village Is Invaded by Radio Men

Promoter Irwin Buys "Club Circus" and Re-Opens

NEW YORK.—Greenwich Village has been invaded by the Radio industry. G. Clayton Irwin, Jr., has purchased the Club Circus, 160 W. Fourth street, at the corner of Sixth avenue.

Mr. Irwin will conduct the Club Circus on a more lavish and impressive scale, and alterations will be made to enhance the exterior as well as the interior. The dance floor is the largest in Greenwich Village. The finest artists will furnish entertainment every evening. The Club Circus will become the New York entertainment headquarters of the Radio industry.

Mr. Irwin is general manager of the Radio World's Fair, now on in New York city, and of the Chicago Radio show—the principal expositions conducted officially on behalf of the Radio industry by Mr. Irwin in partnership with U. J. Herrmann, New York and Chicago showman.

WOK AMBITIOUS; GETS SUPERPOWER STATION

20,000 Watts Power and Improved Antenna Are Added

CHICAGO.—After broadcasting a year on 5,000 watts power, Station WOK of Homewood, near here, will step into the real superpower class within the next few weeks, according to Norman E. Wunderlich, chief engineer.

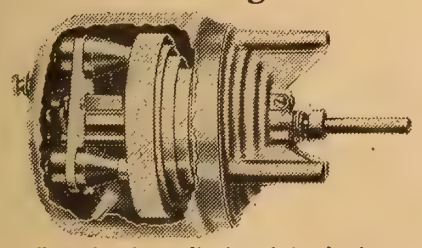
This will be done by installing a 20,000-watt transmitter, more than doubling the height of the antenna towers, and using a new type of antenna designed to greatly increase signal strength. The new towers will be 200 feet high.

In addition, WOK has just completed the installation of an 8,000-watt transmitter, which will be used for experimental purposes and in emergencies.

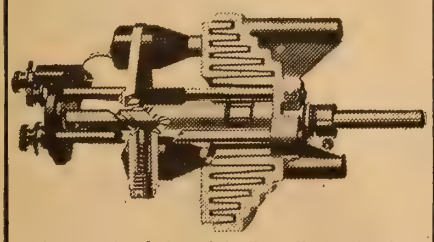
The new antenna will be in the form of an inverted cone. This antenna was designed by Prof. J. T. Tykociner of the University of Illinois, who declares that experiments have demonstrated that this cone type of antenna will improve radiation efficiency about fifty per cent.

FURNELL

Conceded to Be the Most Practical Straight Line Frequency Condenser Ever Designed!



Illustrating the application of the aluminum electrostatic shield provided for preventing the emanation of stray currents therefrom.



Cross sectional view of the Furnell, showing its mechanical construction, also the tapered concentric rings.

The Furnell spaces the stations equally over 360 degrees of shaft movement, a complete rotation of the dial. No crowding of low wave length stations. No need for a vernier dial.

Radio experts praise the Furnell because it represents the finest condenser workmanship available today. Because it gives to radio reception a degree of tuning perfection heretofore unattainable.

DUST PROOF. DAMAGE PROOF. ELECTRO-STATIC PROOF.

The smooth operation of the shaft and slider affords a degree of accuracy and precision unattainable with the ordinary type of plate condenser.

THE FURNELL MANUFACTURING CORPORATION

24 Scott St., Newark, N. J., U. S. A.

From "Consort" to Symphony —from Radio to Thorola Art

The first known representation of an Orchestra dates from about the year 1000 A. D.

The first crude orchestras were described as mere "consorts of flutes and viols". Compare this with the limitless tone effects of the modern symphony orchestra. A great advancement of course. Yet we truly believe you are bound to discover just such advancement in Thorola radio.

Thorola clearly marks the end of those days when the scientific wonder of radio could excuse artistic compromise. The flawless reception of pure, unblemished music and distinct, natural speech is the greater wonder of Thorola instruments.

Relentlessly all the old radio "disturbances" have been downed. As the pioneer American builders of long-distance acoustic apparatus we were ideally equipped for the task. We were able to originate Thorola Low-Loss Doughnut Coils making selectivity *positive*—concentrating full power on the wanted station only—and eliminating internal interference and circuit confusion, so that the remaining difficulties revealed themselves and could be methodically conquered.

We also created Thorola Golden Tone transformers, balanced and sensitive to a degree never before considered commercially feasible. It was one more example of the attainments to be expected from an establishment which was one huge acoustics laboratory long before radio began!

And we already had the loud speakers whose brilliant clarity and fidelity, at any volume, admittedly improved all receiver performance.

Yet all of our highest technical achievements—so far ahead scientifically—should not mean as much as your ear in selecting radio! Unless you go and hear 1927 Thorola models you run the risk of owning radio that is already outdated. Whatever style you desire—console, cabinet, cone speaker, or horn speaker—the Thorola representative has it. He welcomes the most critical consideration. He will show you the first radio receivers with provable upkeep economy!

REICHMANN COMPANY, Chicago, Member R.M.A.

Thorola

(Western and Canadian prices slightly higher)

MODEL 57 CABINET . . . $60

Thorola radio at such a price seems unbelievable. Antique, Highlight Walnut finish and charming proportions distinguish this cabinet. It gives you the genuine Thorola 5-tube circuit, whose many special features insure performance which cannot be measured by any previous standards of power or hook-up.

MODEL 59 DE LUXE CONSOLE (*Illustrated*) $185 MODEL 58 $125

A receiver with two speakers—the Thorola Cone and the Thorola Horn type! Perfect reproduction facilities for every radio impulse. Of course the 5-tube Thorola Circuit brings them all in clearly, with its exclusive Doughnut Coils, Golden Tone Transformers, Duo-Dial Control, Power Tube, and other great advancements. Their advantages make it literally impossible to judge Thorola receivers by the old formula of power-ratings. In fact, Thorola developments mean more power, and more operating economy as well!

The cabinet, in Antique, Highlighted Walnut, is a furniture masterpiece: comparing only with the rich artistry of Thorola reception.

Full Thorola performance and economy characteristics are offered at a moderate price in Model 58. The Console is of Antique Highlighted Walnut, as in the most luxurious Thorola models. All the Thorola circuit and speaker features assure unsurpassed radio.

MODEL 9, CONE SPEAKER $20

With its Dual Range diaphragm, the Thorola Cone Speaker is the first of its type to cover the entire range of reproduction without compromise at either the high or the low end. Never has a speaker of this *style* had tone of this *character*. Luxuriously finished in Walnut and Old Gold, with Carved Ornamentation, this speaker delights the eye as well as the ear.

MODEL 4, HORN SPEAKER $25

The Controlled Mica Diaphragm of this speaker, with its exclusive Separix, brought out the artistic possibilities of radio, by reproducing even the musical overtones. Always known as perhaps the steadiest seller in radio history, Thorola 4 deservedly retains its rank—*in appearance, too!* The beauteous Bakelite Bell, smart Golden Throat Band, and Classic Base adorn any room.

THOROLA, JR. SPEAKER $12

Matchless Thorola tone quality, and graceful appearance are obtainable in a horn speaker of more moderate size, the Thorola Junior. It improves the operation of any receiver in a way which is out of all proportion to the price.

"GOODY GOODY GIRL"

(Continued from page 16)

sirable.' I think you live up to it; the desirable part, at least."

Under his quizzical eyes she flushed. "I'm good, too," she said quickly, then hurried on: "Your name, what does it mean?"

"Raymond means 'wise protector.' Haven't I lived up to it? Didn't I protect you back there from the yokel with the pirate mustaches and the big tin star—"

"THAT would be the constable, Sim Pruitt," she chuckled, recognizing the description. "The other was my step-father."

"Who had no legal right to stop you but was going to, anyhow, eh? He looked about as amiable as a hungry crocodile. I suppose you're running away from his brutalities, or is it that you're going to meet a man?"

"Neither. I have no sweetheart and Phineas wouldn't dare to beat me. I'm a Sylvester, you know—of the Sylvesters," as if that explained everything. "And I'm not exactly running away, either, just asserting my independence by going off on a visit to a girl I used to sit with in school. I'm coming back in a few days. Phineas told me I couldn't, so last night as soon as he went to sleep I slipped away, walked to Clermont, back there where I got on—"

"Good Lord! You've been up all night? Why, you must be dead on your feet. No breakfast, either, I suspect—"

"Oh, yes, in a restaurant when I got to town, but," she smiled wanly, conscious of her weariness, "I am tired."

"Look here," he said, getting to his feet, "why don't you go in there," indicating the washroom, "bathe your face and hands, change your things if you wish, then lie down here on the lounge? I'll run along to the diner, have my breakfast and come back in time to see you off at the junction. How's that?"

"Fine," she assented. "A wash and a brush-up, to say nothing of a chance to stretch out for even a little while—"

"I'm off, then. You'd best get over there, out of sight, while I open the door. No one's likely to disturb you. Ah, coast's clear. So long."

He slid through the half-opened door and she threw the catch.

"WHAT a gentleman he is," she mused as she ran water into the washroom basin. "Not like Herbie Coles at all."

Raymond Lancaster, she guessed, was somewhere in his early thirties. Well-to-do, if she was any judge. His neat, well cut clothing was expensive, though quiet. There was something, too, about his clear cut features, the eager blue eyes, the way he carried his head, that spoke of birth and breeding. She didn't feel in the least frightened with him, for all she was doing a most unconventional thing and one that would have shocked folks back in Paradise—Miss Wexby, for example—within an inch of their lives.

"I don't suppose I'll ever see him again after I get off at the junction," she said as she lay down upon the lounge and was conscious of a tinge of regret that it was to be so. She sighed with comfort, relaxed and closed her eyes, listening to the clickety-clack of the wheels on the rails.

"My God, wake up—quick!" she heard a voice saying in her ear, but a moment later it seemed. She opened her eyes to find Lancaster bent over her, his hand on her shoulder.

"I must have fallen asleep," she said smiling brightly at him.

"Asleep! God! I thought you were dead. You'd locked the door . . . I tried to arouse you without letting everyone in the car know . . . I was almost frantic . . . finally bribed the porter to use his key—"

SHE SAT up quickly, wide-awake now, and his white face aroused a pang in her. "Oh, I'm sorry," she said contritely. "I had no idea of falling asleep, but I was so tired. Are we near the junction?"

"The junction!" he almost shouted. "Don't you realize you've been asleep for hours? We passed the junction a hundred miles back and now—"

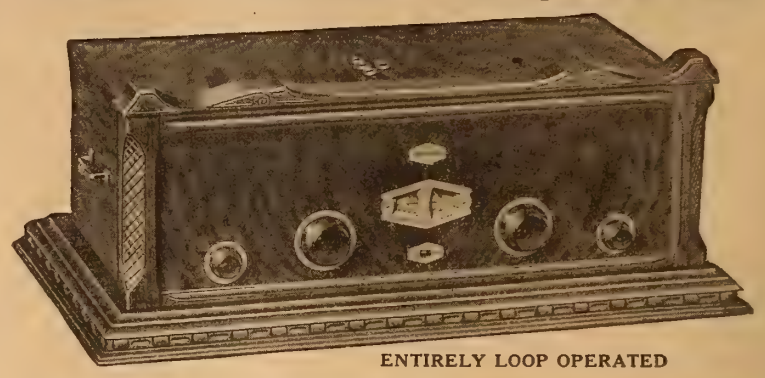
She gave a little cry of dismay and one hand fluttered to her breast. "What a lot of trouble and worry I've caused you."

"You don't know the half of it. The worst is yet to come. You can't get off this train until we cross the state line into Illinois. Quarantine. There was an outbreak of yellow fever, almost an epidemic, down in New Orleans. That's why the train is so crowded. Everybody running away. This state has quarantined against everybody coming from down that way. Nobody can leave the train. Can't even have the windows up. Men with rifles and shotguns at every station—look here, is there anybody back home to be alarmed or worry or start a search—"

(Continued on page 37)

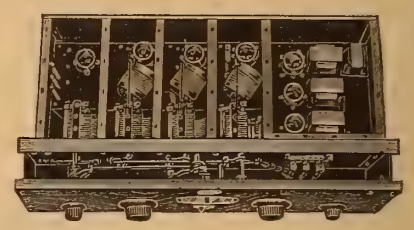
Howard Radio Co. — Guaranteed Products — Chicago, U.S.A. — Reg. U.S. Patent Office

NEW 7-TUBE RECEIVER



ENTIRELY LOOP OPERATED

A Neutrodyne Radio Receiver. New in Principle—New in Design — Entirely Loop Operated and Completely Shielded.



BETTER VOLUME, BETTER TONE AND WELL WORTH INVESTIGATING

Howard Radio Company

CHICAGO, U.S.A.

CHICAGO RADIO SHOW
October 11-17
Booth R-2

Licensed By Independent Radio Manufacturers, Inc.
Req. U.S. Pat. Off. NEUTRODYNE Req. U.S. Pat. Off.
Other Patents Pending

Distributed By
Commonwealth Edison Co.
72 W. Adams, Chicago
and Sold By Howard Dealers

Buy the Best!

ATEC RECEIVERS

Coast to Coast Reception

Atec DeLuxe Model Highboy

Six Tubes—Genuine walnut Cabinet—All metal parts gold finished—A marvel of beauty and design. Price.....$125.00

$10 Down

Atec Plan

You can buy any model Atec Receiver by making a down payment of $10—the balance in small weekly or monthly installments. Go to your Dealer and ask for a demonstration of the Atec Receivers he has in stock. You will find them unequalled for range, tone quality and volume. Illustrated literature on Atec Receivers sent upon request.

7 MODELS

5-6-7 TUBES

Priced from $45 to $140

Seven beautiful models make up the complete line of Atec Receivers. Each designed according to the latest principles, combining the utmost of efficiency with the most artistic construction. Atec Receivers in any model will delight you with their startling performance and exquisite beauty.

Atec 6-Tube Table Model

A two dial receiver in walnut finish cabinet. Panel gold etched in elaborate floral design. Operates on either loop or antenna. Price $60

DEALERS

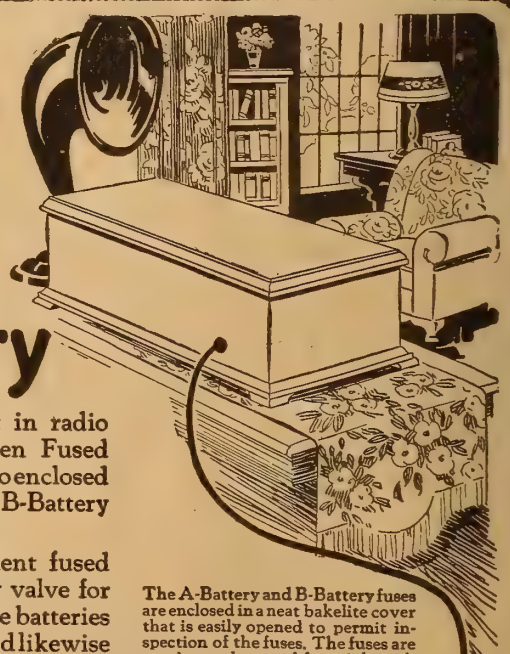
The Atec Finance Plan backs every Atec Dealer. You are absolutely protected against loss by the Atec Dealer Program. Sell Atec Receivers on the $10 Down Plan and Atec will do the rest. Complete information on this finance plan as well as other Atec Dealer Helps sent upon request, and without obligation. Exclusive Territory Available.

Write Today!

Able Tool & Engineering Co.

536 W. Elm St., CHICAGO

A New and Essential Radio Accessory



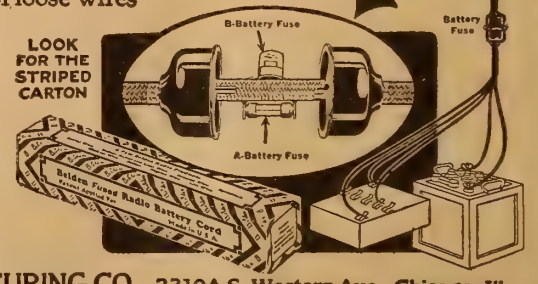
THE latest development in radio accessories is the Belden Fused Radio Battery Cord, with two enclosed fuses to protect the A and B-Battery circuits.

This remarkable and efficient fused battery cord acts as a safety valve for your radio set; it protects the batteries from accidental discharge, and likewise eliminates the fire hazard from crossed wires.

The Belden Fused Radio Battery Cord makes a neat installation by dispensing with the usual array of loose wires behind the set, and it protects tubes from burn outs.

Ask your nearest radio dealer today for a Belden Fused Radio Battery Cord, sold only in the Belden striped orange and black carton. Your set is not complete without the protection of this essential battery cord. It is inexpensive insurance against fire hazard and costly short circuits.

The A-Battery and B-Battery fuses are enclosed in a neat bakelite cover that is easily opened to permit inspection of the fuses. The fuses are not interchangeable with each other, nor with automobile fuses, so wrong fuses cannot be used accidentally. New fuses can be obtained from your dealer.



BELDEN MANUFACTURING CO., 2310A S. Western Ave., Chicago, Ill.

Belden Fused Radio Battery Cord

SONG CENSUS TELLS FAVORITE NUMBERS

McQUHAE REQUESTS SHOW LIKES OF LISTENERS

Irish Tenor Builds Programs to Please —Finds Old Sentimental Compositions Most Popular

NEW YORK.—A national census of songs that live is being made by Allen McQuhae, Irish tenor, who conducts the Sunday evening Atwater Kent Radio concerts this summer. The songs of the series are chosen from requests from listeners. The census is expected to reveal not the "hits" of the day, which, after a wave of popularity die out, but the songs that live through the years.

Mr. McQuhae's list of songs requested already runs far above five hundred. To sing all of them he estimates it would take him more than six months in half hour weekly concerts. He selects those, however, for which he receives the greatest number of requests each week and places them on his Sunday evening program.

For example, Mr. McQuhae says no one has yet asked him to sing "Yes, We Have No Bananas," while hundreds have requested such fine old favorites as "Silver Threads Among the Gold," "When You and I Were Young, Maggie," and "Believe Me If All Those Endearing Young Charms."

Sentiment Is Popular Motive

Requests for the songs popular during the late war are not numerous and as yet only one man has asked Mr. McQuhae to sing "The Star Spangled Banner."

Mr. McQuhae's census is expected to be an excellent guide for ambitious song writers as to theme and character. Sentiment is shown to be the prevailing motive in the songs most called for, with the themes of lost sweethearts, mothers who have gone and inspiring songs of religious character predominating.

"Danny Boy" led in popularity for the concert sung by McQuhae August 22. "The Last Rose of Summer" led in popularity for the concert August 29, followed closely by "Killarney" and "Duna," with "Because" and "Then You'll Remember Me" sharing honors for third place in the esteem of listeners.

HERE'S LATEST ONE ON COWS AND MUSIC

LONDON, England.—Recently a small Cheshire farmer, who kept a herd of Jerseys, made the discovery that the cows both yielded better and were more easily handled when they were milked to music. Prior to the introduction of music he had noticed that at milking time they had frequently been awkward to handle. A phonograph has since been replaced by a Radio installation which has been found equally if not more effective.

Probe Alleged Radio Monopoly

WASHINGTON, D. C.—Officials of the Federal Trade Commission will proceed with the taking of testimony in the so-called Radio monopoly case at Seattle, Wash., on September 27. The testimony will be taken later at San Francisco.

NEW LINK IN EAST BEGINS OPERATING

Embraces WNAC, WEAN, WLWL, WRNY and WODA —Toll Programs Object

NEW YORK.—Five prominent Eastern broadcasting stations have hooked up for chain broadcasting service beginning this month, according to an official statement issued by the Commercial Broadcasting corporation from their offices here.

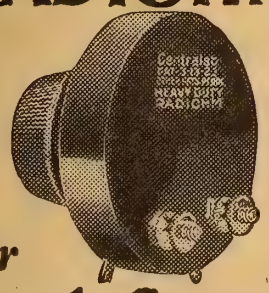
The participating stations are WLWL and WRNY of New York city, WNAC of Boston, WEAN of Providence, R. I., and WODA of Paterson, N. J. Negotiations are now under way to secure additional tie ups with stations in Philadelphia, Baltimore and Pittsburgh; while two Chicago stations have expressed a desire to join the chain as soon as wire facilities have been extended that far west. A two-way land wire system permits a complete interchange of programs originating at any station of the chain and rebroadcast by all other member stations.

Richard E. O'Dea, president and program director of the Commercial Broadcasting corporation, has owned and operated Station WODA for more than two years. William F. Hart, vice-president in charge of the contract department, has been connected with Stations WHN and WGCP as commercial manager for the past three years.

New "Big Brother" at KPO

SAN FRANCISCO.—A group of additions and changes in the staff of KPO have been announced. John Ames Keough becomes "Big Brother," succeeding L. R. Tucker, who will leave KPO. Keough is well known to the followers of "Big Brother," having conducted the hour for several months about a year ago. Albert J. Hodges, Radio engineer of many years' experience, has been named chief technician and Robert A. Lilly has been appointed special representative. Clair E. Morrison, announcer, has been given the additional duties of studio manager.

Heavy-Duty RADIOHM



for

Simple Control of B-Battery Eliminator

A SINGLE turn of the knob gives full resistance variation to control the output voltages of your "B" Battery Eliminator. Resistance remains as adjusted no matter how often knob is set. Insulated for 1,500 volts.

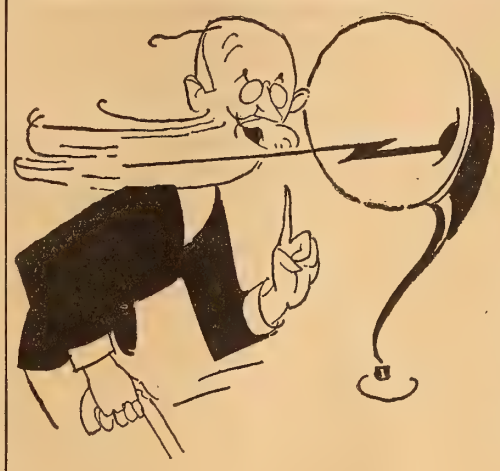
This high quality Centralab Heavy-Duty Radiohm, approved by Raytheon Laboratories, will remain smooth and noiseless, outlasting your eliminator and giving you full efficiency from it.

$2.00 at your dealer's, or mailed direct on receipt of price.

CENTRAL RADIO LABORATORIES
12 Keefe Ave., Milwaukee, Wis.

Makers of a full line of variable resistances for 69 manufacturers of leading standard sets.

Centralab



There's sound sense in quiet charging—

Clear, full, volume in your reception is the only way in which your Rectigon "makes itself heard." All because of the wealth of pep it packs into your batteries. But you'll never hear a peep from a Rectigon, itself, while it's doing its charging job. Not a murmur—not a bit of fuss. It's so quiet it wouldn't disturb the snooze of the lightest sleeper. Rectigons are popular for home charging because they do away with even the slightest annoyance and bother.

when you keep batteries lively with

The Westinghouse Rectigon Battery Charger

©, 1926, W. E. & M. Co.

No acids, no chemicals—no moving parts—nothing to spill or burn. No muss, no worry. You'll have no spoiled rugs, no ruined clothing.

Saves its cost in short order—Count the dollars spent in a few trips to the service station and you'll hotfoot it for a Rectigon, for the good it does your pocketbook as well as your batteries.

Snaps on in an instant—Just plug into the light socket, snap on the terminals. Saves service station bother. Spares interruptions caused by absent batteries.

Charges both "A" and "B" batteries—Keeps both packed with power. Bulb is used for "B" battery charging and it is enclosed, like all other parts, in metal, safe from accident. (Rectigon charges automobile batteries, too.)

Perfect safety for your set—If you tune in while you're charging there'll be no harm either to set or batteries. Nor will batteries be discharged if anything happens to the current while your Rectigon's attached.

No Storage Battery Radio is Complete Without a Rectigon

THE RECTIGON'S a superb Westinghouse product. Things you *can't* see, like extra heavy insulation, things you *can* see, like the durably enameled case—all are of highest quality. Westinghouse also manufactures a complete line of radio instruments, and Micarta panels and tubes.

WESTINGHOUSE ELECTRIC & MANUFACTURING CO.

Tune in on KDKA - KYW - WBZ - KFKX

AN EVENING AT HOME WITH THE LISTENER IN
IN EASTERN (OR CENTRAL DAYLIGHT) TIME

Call	Location	Met.	Kc.	Saturday	Sunday	Monday	Tuesday	Wed.	Thursday	Friday
AT9	Fort Bragg..	435	690	Silent	6:00- 7:00	Silent	Silent	Silent	8:00- 9:55	Silent
CFCA	Toronto....	356.9	840	8:00- 9:00	6:00- 9:30	Silent	Silent	Silent	Silent	Silent
CFCN	Calgary.....	356.9	690	12:00- 2:00	Silent	Silent	Silent	Silent	10:30-11:00	Silent
CJCA	Edmonton..	434.5	580	11:00- 1:00	9:30-10:30	9:30-11:30	9:30-10:00	8:00-10:00	11:00- 1:00	10:00- 1:00
CKAC	Montreal...	516.9	730	6:15-10:30	1:45- 2:45	Silent	6:15-10:30	Silent	7:30- 8:30	Silent
CKCL	Toronto....	410.7	840	6:00- 7:00	2:00- 3:55	Silent	6:00-10:50	Silent	6:00- 7:00	Silent
CKNC	Toronto....	356.9	840	Silent	Silent	8:00-10:00	Silent	Silent	7:00- 9:00	Silent
CKY	Winnipeg...	384.4	780	Silent	Silent	12:00- 1:00	Silent	10:00-12:00	10:00-11:00	Silent
CNRO	Ottawa.....	434.5	690	7:30-12:30	Silent	Silent	Silent	7:30-12:30	Silent	Silent
CYL	Mexico City.	480	625	Silent	10:24-11:54	Silent	10:24-11:54	Silent	Silent	10:24-11:54
CZE	Mexico City.	350	857	9:24-10:24	Silent	9:24-10:24	9:24-10:24	9:24-10:24	9:24-10:24	9:24-10:24
KDKA	Pittsburgh..	309.1	970	8:00- 9:55	Silent	5:30- 9:55	8:00-11:35	8:00- 9:55	8:00-11:15	8:00- 9:55
KFAB	Lincoln.....	340.7	880	6:30-11:30	5:00-12:00	6:30-11:30	6:30-11:30	6:30-11:30	Silent	6:30-11:30
KFDM	Beaumont..	315.6	950	Silent	9:00-10:00	Silent	9:00-11:00	Silent	Silent	9:00-11:00
KFH	Wichita....	267.7	1120	8:00- 9:00	Silent	8:00- 9:00	Silent	8:00- 9:00	Silent	8:00- 9:00
KFI	Los Angeles.	467	642	10 00- 4:00	10:00- 2:00	10:00- 2:00	10:00- 2:00	10:00- 2:00	9:30- 2:00	10:00- 2:00
KFJF	Okla. City..	260.7	1150	8:15-11:30	2:30-10:00	8:15-10:45	Silent	8:15-10:45	8:15-10:45	8:15-10:45
KFKX	Hastings....	288.3	1040	6:30- 7:30	Silent	6:30-12:00	6:30- 9:00	6:30-12:00	6:30- 9:00	6:30-12:00
KFNF	Shenandoah	461.3	650	8:00- 1:00	3:30-10:00	8:00- 1:00	8:00- 1:00	8:00- 1:00	8:00- 1:00	8:00- 1:00
KFOA	Seattle.....	454.3	660	12:30- 2:00	Silent	10:00- 1:00	9:00- 2:00	10:00- 1:00	Silent	9:00- 2:00
KFON	Long Beach.	232.4	1290	9:30- 3:00	9:30- 1:00	9:30- 3:00	9:30- 2:00	9:30- 2.00	9:30- 3:00	9:30- 3:00
KFOB	Fort Worth.	508.2	590	9:30-10:30	4:00 -9:30	9:30-10:30	9:30-10:30	Silent	9:30-10:30	9:30-10:30
KFUO	St. Louis...	545.1	550	8:45- 9:45	10:15-11:15	9:00-10:00	7:30- 8:30	10:15-11:15	Silent	10:30-11:30
KFVE	Univ'ty City	240	1250	10:15-11:15	Silent	10:15-11:15	10:15-11:15	10:15-11:15	Silent	10:15-11:15
KFWA	Ogden......	260.7	1150	11:00- 2 00	Silent	11:00- 1:00	Silent	11:00- 1:00	Silent	11:00- 1:00
KFWB	Hollywood..	252	1190	11:00- 2:00	12:00- 2:00	9:30- 2:00	10:00- 2:00	10:30- 2:00	11:00- 2:00	10:00- 2:00
KFWI	San Fran...	226	1330	Silent	11.00- 3:00	11:00- 3:00	Silent	11:00- 4:00	1:00- 3:00	11:00- 4:00
KFXF	Colo.Springs	250	1200	10:00-11:00	10:00-11:00	11:00-12:00	10:00-11:00	Silent	11:00-12·00	10:00-11:00
KGO	Oakland....	361.2	830	11:10- 4:00	7:00- 1:00	9·00- 1:00	9:00- 1:00	9:00- 9:55	9:00- 3:00	9:00- 9:55
KGW	Portland....	491.5	610	9:00- 3:00	10·30 -1:00	9:00- 3:00	9:00- 3:00	9:00-12:20	9:00- 3:00	9:00- 3:00
KHJ	Los Angeles.	405.2	740	9:30- 1:00	10:00- 1:00	Silent	9:30- 2:00	9:30- 2:00	9:30- 2:00	9:30- 2:00
KIAF	Sihtipok....	421	709	Silent	3:00- 4:00	8:00- 9:00	Silent	8:00- 9:00	Silent	8:00- 9:00
KJR	Seattle.....	384.4	780	9:00- 1:00	10:45- 1:45	9:00- 1:00	9:00- 1:00	9:00- 2:00	9:00- 3:00	9:00 -1:00
KLDS	Independ...	440.9	680	9:00-10:00	7:30-11:00	Silent	9:00-12:59	Silent	9:00-10:00	Silent
KLX	Oakland....	508.2	590	Silent	Silent	11:00-12:00	Silent	11:00- 1:00	Silent	11:00- 1:30
KMA	Shenandoah	461.3	650	10:00-12:00	5.00- 7:00	10:00-12:00	10:00-12:00	10:00-12:00	10:00-12:00	10:00-12:00
KMMJ	Clay Center.	229	1310	9:00-10:00	9:45-10:45	9:00-10:00	9:00-10:00	Silent	9:00-10:00	9:00-10:00
KMOX	St. Louis...	280.2	1070	7:30-12·00	10:00-11:30	7·30-12:00	7:30-12:00	7:30-12:30	Silent	7:30-12:00
KNX	Hollywood..	336.9	890	10:30- 5:00	9:30- 1:30	9:30- 3:00	10·00- 4:00	10:00- 3:00	10:00- 3:00	10:00- 3:00
KOA	Denver.....	322.4	930	Silent	7:30-10:00	8:30-12:15	8:30- 9:30	8:30- 2:00	8:30- 9:30	8:30-11:00
KOIL	Council Blfs	305.9	980	8:30- 1:00	8:30- 1:00	7:03- 1:00	7:03- 1:00	Silent	7:03- 1:00	7:03- 1:00
KPO	San Fran...	428.3	700	8:30- 3:00	9:00- 1:00	9:00- 2:00	9-30: 2.00	9:30- 2:00	9:30- 2:00	9:30- 2:00
KPRC	Houston....	296.9	1010	8:30-11:00	4:00- 1:00	7:30-11:00	7:30-11.00	7:30-11:00	7:30-11:00	Silent
KPSN	Pasadena...	315.6	950	11:00-12:00	Silent	Silent	11:00-12:00	Silent	11:00-12:00	Silent
KSBA	Shreveport..	312.3	960	10:00- 1:00	8:00-12:00	10:00-12:30	10:00 -1:00	Silent	9:00-10:30	Silent
KSL	Salt Lake...	299.8	1000	10:00- 1:00	9:30-12:00	9:00- 1:00	9:00-12:30	9:30- 1:00	9:30- 1:00	9:30-12:00
KTAB	Oakland....	302.8	990	Silent	10:45-12:15	11:00- 1:00	11:00- 1:00	11:00- 1:00	12:00- 3:00	11:00- 1:00
KTBI	Los Angeles.	293.9	1020	Silent	10:15-12:30	Silent	11:00-12:00	Silent	11:00-12:00	Silent
KTCL	Seattle.....	305.9	980	Silent	12:10- 9:10	10:00-11:00	11:00-12:00	Silent	Silent	10:00- 3:00
KTHS	HotSprings.	374.8	800	10:00-11:00	10.10-11:00	10:00-11:30	10:00-11:15	10:00-11.00	10:00-11:00	10:00-11:00
KTW	Seattle.....	455	660	9:30-10:30	Silent	Silent	9:30-10:30	Silent	9:30-10:30	Silent
KVOO	Bristow.....	374.8	800	7:00-10:00	8:30-10:00	7:00-10:00	7:00-10:00	7:00-10:00	7:00-10:00	7:00-10:00
KWCR	Cedar Rapd.	278	1080	Silent	10:30-11:30	10:00-11:00	Silent	10:00-11:00	Silent	10:00-11:00
KWWG	Brownsville.	278	1080	Silent	Silent	9:30- 1:00	Silent	Silent	9:30- 1:00	Silent
KYW	Chicago....	535.4	560	6:30-12:00	9:30-12:00	Silent	6:30-12:00	6:30-12:00	6:30-12:00	6:30-12:00
NAA	Radio......	434.5	560	Silent	Silent	7:45- 8:00	7:45- 8:00	7:25- 8:40	7:45- 8:00	7:45- 8:00
PWX	Havana.....	400	750	8:30-11:00	8:00-10:15	8:30-11:00	8:30-11:30	8:00-10:15	Silent	Silent
WADC	Akron......	258	1160	9:00-10:00	Silent	9:00-10:00	7:50-11:00	9:00-10:00	9:00-11:00	7:50- 3:00
WAAM	Newark.....	263	1140	5:00-10:00	Silent	5:00-10:00	5:00-10:00	5:00-10:00	5:00- 6:00	5:00-10:00
WAHG	Richmond..	315.6	950	11:00- 1:00	Silent	6:30- 1:00	Silent	6:30-11:00	Silent	7:00-10:00
WAIU	Columbus..	293.9	1020	9:15-11:00	3:30- 7:00	6:00-11:30	6:00-10:15	6:00- 7:00	6:00- 7:00	6:00-10:00
WAMD	Minneapols.	244	1230	8:15-12:00	7:00-10:30	7:00- 1:00	Silent	7:00- 1:00	11:00-12:00	8:15- 1:00
WBAL	Baltimore..	246	1220	Silent	7:30- 8:30	6:30-10:00	6.30-10:00	Silent	6:30-10:00	6;40-10:00
WBAP	Fort Worth.	475.9	630	8:30-12:00	10:30-12:00	8:30- 1:00	8:30-12:00	Silent	8:30- 1:00	8.30-12:00
WBAR	Sisiht......	406	756	Silent	11:00-12:00	10:00-11:00	Silent	9:00-10:00	8:30- 9:30	Silent
WBBM	Chicago....	226	1330	8:00- 2:00	4:00- 2:00	Silent	8:00-12:00	8:00- 2:00	8:00-12:00	8:00-10:00
WBBR	Staten Isld.	272.6	1100	7:00- 9:00	8:00- 9:15	7:00- 8:00	Silent	Silent	7:00- 8:00	Silent
WBCN	Chicago....	266	1130	9:00- 1:00	5:00-12:00	Silent	9:00- 1:00	8:00-12:00	9:00- 2:00	9:00- 1:00
WBZ	Springfield..	333.1	900	6:00- 9:30	7:00-10:00	6:00-10:00	6:00-10:00	6:00-10:00	6:00-10:00	6:00-10:00
WCAE	Pittsburgh..	461.3	650	5:30- 8:30	3:00- 8:15	7:00-10:00	7:00-10:05	7:00-10:00	7:00-10:00	7:00- 9:30
WCAU	Philadelph..	278	1080	Silent	5:30- 7:45	6:30-10:30	6:30-10:00	6:30-11:00	5:30-11:00	6:30-10:00
WCBD	Zion.......	344.6	870	Silent	9:00-11:30	Silent	9:00-11:30	Silent	9:00-11:30	Silent
WCCO	Minn.-St.P.	416.4	720	7:15-12:05	5:10-11:35	7:15-11:00	7:30-11:00	8:00-11:00	7:00-11:00	7:15-12:05
WCOA	Pensacola..	222	1350	Silent	Silent	8:00-11:00	Silent	8:00-11:00	Silent	8:00-11:00
WCX	Detroit.....	516.9	580	6:00-10:00	8:00-10:00	6:00-10:00	6:00-11:00	6:00-10:00	6:00-10:00	6:00-11:00
WDAF	Kansas City	365.6	820	7:00- 2:00	5:00- 5:45	7:00- 2:00	7:00- 2:00	7:00- 2:00	7:00- 2:00	7:00- 2:00
WDBO	Winter Park	239.9	1250	7:25-11:00	7:30- 8:30	7:25-11:00	7:15-11:00	7:25-11:00	7:25-11:00	7:15-11:00
WDWF	Providence..	440.9	680	Silent	Silent	Silent	6:45- 7:00	6:45- 7:00	6:45- 7:00	6:45- 7:00
WEAF	New York...	491.5	610	5:00-11:00	2:00- 9:15	5:00-11:00	5:00-11:00	5:00-11:00	5:00-11:00	5:00-11:00
WEAN	Providence..	270.1	1110	5:30- 9:30	6.30- 7:45	5:30- 9:30	5:30- 9:30	5:30- 9:30	5:30- 9:30	Silent
WEAO	Columbus..	293.9	1020	Silent	Silent	Silent	7:00- 9:00	8:00- 9:00	8:00-11:00	Silent
WEBH	Chicago....	370.2	810	7:00- 2:00	5:00- 9:00	Silent	7:00-12:30	7:00-12:30	7:00-12:30	7:00-12:30
WEBJ	New York...	272.6	1100	Silent	Silent	Silent	7·00- 9:00	7:00- 9:00	Silent	7:00- 9:00
WEEI	Boston.....	348.6	860	Silent	6:20-10:15	5:00-10:30	5:00-10:30	5:00-10:00	5:00-10:00	5:00-10:30
WENR	Chicago....	265.3	1120	6:00- 2:00	2:00-12:00	Silent	6:00-10:00	7:00- 2:00	6:00-10:00	6:00- 2:00
WFAA	Dallas......	475.9	630	7:00- 1:00	7:00- 1:00	7:30-10:30	7:30- 2:00	Silent	7:30-10:30	7:30-10:30
WFBH	New York...	272.6	1100	10:30- 1:00	4:00-10:00	10:30- 1:00	10:30- 1:00	10:30- 1:00	10:30- 1:00	10:30- 1:00
WFI	Philadelphia	394.5	760	Silent	6:30- 7:30	5:30- 6:30	5:45-10:30	5:45- 6:45	5:45-10:00	5:45- 6:45
WGBF	Evansville...	236.1	1270	Silent	Silent	Silent	8:00-10:00	Silent	Silent	8:00-10:15
WGBS	New York...	315.6	950	5:00-10:30	7:00- 8:00	6:00- 6:15	5:00-10:30	5:00- 7:30	5:00- 7:45	Silent
WGCP	New York...	252	1190	7:30-11:00	2:00- 5:00	8:00-10:30	Silent	6:00- 8:15	9:30-12:00	6:00- 8:10
WGES	Chicago....	250	1200	5:00- 1:00	5:00- 2:00	5:00- 7:00	5.00- 1:00	5:00- 1:00	5:00- 1:00	5:00- 1:00
WGHB	Clearwater..	266	1130	Silent	Silent	8:30-10:00	Silent	8:30-10:00	Silent	8:30-10:00
WGHP	Detroit.....	270	1110	Silent	Silent	6:00-10:00	6:00-10:00	6:00-10:00	6:00-12:00	6:00-12:00
WGN	Chicago.....	302.8	990	6:05-11:00	6:15-11:00	Silent	6:01-12:00	6:45-12:30	6:45-11:00	6:45-11:00
WGR	Buffalo.....	319	940	7:30- 9:00	6:45- 8:45	7:45-12:00	5:30-10:30	5:30- 9:00	5:30-10:00	6:00-12:00
WGY	Schenectady	379.5	790	6:30-10:30	6:05-10:00	Silent	6:30- 9:30	6:00- 8:15	5:30-11:30	5:30-10:30
WHAD	Milwaukee..	275.1	1090	7:00- 8:00	4:15- 5:15	7:15-11:00	7:10-10:30	7:10- 1:30	7:10-10:30	7:10- 7:55
WHAR	Atlantic City	275.1	1090	6:30- 8:00	6:50- 9:00	6:30-11:00	6:30- 8:00	Silent	6:30-11:00	6:30- 8:00
WHAS	Louisville...	399.8	750	8:30-10:00	5:30- 6:30	Silent	8:30-10:30	8:30-10:00	8:30-10:00	8:30-10:00
WHAZ	Troy.......	379.5	790	Silent	Silent	9:00-12:00	Silent	Silent	Silent	Silent
WHB	Kansas City	365.6	820	Silent	9:00- 2:00	8:00- 9:00	8:00-11:00	8:00- 9:00	8:00-11:00	8:00- 9:00
WHN	New York...	361.2	830	Silent	6:30- 8:45	5:30-11:30	6:39-10:00	6:00-11:00	6:00-11:00	6:30-11:30
WHO	Des Moines.	526	570	Silent	6:00- 9:30	8:30-10:00	8:30-10:00	7:00-12:00	8:30-10:00	8:30-10:00
WHT	Chicago....	399.8	750	7:00- 1:00	7:00- 1:00	Silent	7:00- 1:00	7:00- 1:00	7:00- 1:00	7:00- 1:00
WIBO	Chicago....	226	1330	6:00- 8:00	6:00-12:00	Silent	6:00- 2:00	6:00-12:00	6:00- 2:00	6:00- 2:00
WIP	Philadelphia	508.2	590	7:15-11:05	6:15-10:30	5:05- 7:00	5:05-10:30	5:05- 7:00	5:05-11:00	5:05- 7:00
WJAR	Providence..	485.1	618	Silent	6:20- 9:15	7:30-10:00	7:00- 9:00	7-00-10:00	7:20-10:00	7:35-10:00
WJAS	Pittsburgh..	275.3	1090	7:00-12:00	Silent	7:00-12:00	7:00-12:00	7:00-12:00	7:00-12:00	7:00-12:00
WJAX	Jacksonville	336.9	890	8:00-10:00	7:30- 8:30	8:00-10:00	8:00-12:00	8:00-10:00	8:00-12:00	8:00-10:00
WJAZ	Chicago....	329.5	910	Silent	Silent	Silent	Silent	Silent	11:00- 1:00	Silent
WJJD	Mooseheart.	370.2	810	5:30- 1:00	2:30- 4:00	Silent	5:45- 1:00	5:45- 1:00	5:45- 1:00	5:45- 1:00
WJR	Pontiac.....	516.9	580	7:00-12:30	8:00-11:00	7:00- 9:00	7-00- 9:00	7·00- 1:00	7:00- 9:00	7:00- 9:00
WJZ	New York...	454.3	660	6:05-10:30	6:05- 9:30	6:05-10:30	6:05-10:45	6:05-10:30	6:05-11:00	6:05-10:30
WKAQ	San Juan...	340.7	880	Silent	Silent	Silent	Silent	7:00- 9:00	7:00- 9:00	7:00- 9:00
WKRC	Cincinnati..	422.3	710	10:00-11:15	5:45-11:15	5:00-12:00	9:00-11:45	5:00-12:00	9:00-11:15	Silent
WLIB	Chicago....	302.8	990	7:00- 1:00	5:00- 6:15	Silent	7:00- 1:00	7:00- 1:00	7:00- 1:00	11.00- 1:00
WLIT	Philadelphia	394.5	760	Silent	Silent	7:00-10:45	6:30- 7:30	7:30-10:00	6:30- 7:30	7:00-11:00
WLS	Chicago....	344.6	870	7:15- 1:00	7:00- 8:55	Silent	6:40- 7:55	6:40- 1:00	6:40- 7:55	6:40-11:00
WLW	Cincinnati..	422.3	710	7:00-10:00	4:00- 9:30	7:00-11:00	7:00-10:00	7:00-12:00	7:00- 1:15	Silent
WLWL	New York...	288.3	1040	Silent	6:00- 7:00	7:00- 9:00	Silent	Silent	7:00- 9:00	Silent
WMAK	Lockport...	265.5	1130	6:00- 7:30	6:00- 7:00	5:15- 8:00	Silent	6:30- 9:00	Silent	6:15- 9:30
WMAQ	Chicago....	447.5	670	6:00-10:00	Silent	Silent	6:00- 9:55	6:00- 9:55	6:00- 9:00	6:00- 9:55
WMBB	Chicago....	250	1200	7:00-11:00	3:00-11:00	Silent	7:00-11:00	7:00-11:00	7:00-11:00	7:00-11:00
WMBF	Miami Bea'h	384.4	780	7:00- 1:00	7:00- 1:00	7:00- 1:00	7:00- 1:00	7:00- 1:00	7:00- 1:00	7:00- 1:00
WMC	Memphis...	499.7	600	9:30-10:30	Silent	9:30-10:30	9:30- 1:00	Silent	9:30-10:30	9:30- 1:00
WMCA	New York...	340.7	880	8:00-12:00	6:00- 9:00	8:00-11:00	7:00-11:00	8:00-11:00	8:00-11:00	7:00-10:45
WNAC	Boston.....	431	697	5:00-10:00	2:15- 7:45	5:30 -9:45	5:00- 8:00	5:00- 9:00	5:00- 8:00	5:00-10:00
WNYC	New York...	526	570	6:00- 9:30	8:00-10:00	6:35- 9:30	6:10-10:30	6:30- 9:30	6:35- 9:30	6:30- 9:30
WOAI	San Antonio	394.5	760	Silent	8:45- 9:45	9:30-10:30	9:30-10:30	9:30-10:30	9:30-10:30	9:30-10:30
WOAN	Lawrenceb'g	282.8	1060	Silent	10:00-11:00	10:00- 2:30	10:00-11:00	10:00-11:00	10:00-11:00	10·00-11:00
WOAW	Omaha.....	526	570	7:00- 1:00	7:00-10:00	7:00-11:00	7:00- 2:00	Silent	7:00- 2:00	7:00-12:15
WOAX	Trenton....	240	1250	Silent	8:30-10:30	Silent	Silent	Silent	Silent	Silent
WOC	Davenport..	483.6	620	10:00-11:00	9:00-11:30	Silent	7:30-10:00	8:00-11:30	Silent	9:00-10:30
WOI	Ames.......	270.1	1110	Silent	Silent	8:30- 9:30	Silent	Silent	8:30- 9:30	Silent
WOK	Homewood .	217.3	1380	6:00-12:00	6:00-12:00	Silent	6:00-12:00	10:00-12:00	6:00-12:00	6:00-12:00
WOO	Philadelphia	508.2	590	6:30- 7:30	Silent	6:30-10:30	6:30- 7:30	6:30-10:30	6:30- 7:30	6:30-11:00
WOOD	Grand Rpds.	242	1240	9:00-11:05	Silent	9:00-11:05	9:00-11:05	9:00-11:05	Silent	9:00-11:10
WOQ	Kansas City	278	1080	9:00-12:00	9:00-10:15	Silent	9:00-10:00	Silent	8:00-10:00	Silent
WOR	Newark.....	405.2	740	5:15-11:00	Silent	5:15-11:00	5:15- 7:00	5:15-10:30	5:15- 7:20	5:15- 7:00
WORD	Batavia	275	1090	7:00-10:25	2:30-10:00	Silent	7:00-12:45	7:00-12:00	7:00-10:00	7:00-12:45
WOS	Jeffer'n City	440.9	680	Silent	Silent	9:00-11:00	Silent	9:00-11:00	Silent	9:00-11:00
WPG	Atlantic City	299.8	1000	5:45-11:00	2:15-10:00	5:45-11:00	5:45-11:00	Silent	5:45-11:00	5:45-11:00
WQJ	Chicago....	447.5	670	7:00- 3:00	3:00-10:00	Silent	7:00- 2:00	7:00- 2:00	7:00- 2:00	7:00- 2:00
WRC	Washington	468.5	640	7:00-12:00	4:00-10:00	5:00-10:00	7:00-11:30	7:00-10:00	7:00-11:00	7:00-11:00
WREO	Lansing....	285.5	1050	10:00-12:00	Silent	Silent	8:15-10:00	6:00- 7:00	6:00- 9:15	6:00- 7:00
WRR	Dallas......	245.8	1220	7:00-10:00	8:30-11:30	7:00-10:00	7:10- 8:00	Silent	7:10-11:30	7:10- 1:00
WRVA	Richmond..	256	1170	Silent	Silent	8:30-11:30	Silent	8:30-11:00	8:45- 1:00	7:00-11:00
WRW	Tarrytown..	273	1100	7:00-10:30	7:00-10:30	8:00-10:30	8:00-10:30	8:00-10:30	8:00-10:30	8:00-10:30
WSAI	Cincinnati..	325.9	920	7:45-10:30	7:45- 9:45	10:00-11:00	7:00-10:00	7:00-11:00	7:00-10:00	Silent
WSB	Atlanta.....	428.3	700	9:00- 1:00	8:30-10:15	9:00- 1:00	9:00- 1:00	11:45- 1:00	9:00- 1:00	9:00- 1:00
WSBC	Chicago....	238	1260	6:30- 4:00	6:30- 1:00	6:30- 7:00	6:30- 1:00	6:30- 1:00	6:30- 1:00	6:30- 1:00
WSM	Nashville...	282.8	1060	8:00-12:00	Silent	8:00-12:00	8:45-10:00	8:00-12:00	Silent	8:00-12:00
WSMB	New Orleans	319	940	9:30-11:30	Silent	9:30-12:30	Silent	9:30-11:30	9:30-11:30	Silent
WSUI	Iowa City...	483.6	620	Silent	10:00-11:00	9:00-10:00	Silent	9:00-10:00	Silent	Silent
WSWS	Chicago....	275.1	1090	6:00- 1:00	7:00- 9:30	Silent	6:00- 1:00	6:00- 1:00	6:00- 1:00	6:00- 1:00
WTAG	Worcester...	545.1	550	Silent	8:15- 9:15	5:00- 7:00	5:45- 9:30	5:30- 9:00	5:45- 9:00	5:00-10:00
WTAM	Cleveland...	389.4	770	6:00-12:00	7:00- 9:30	6:00-12:00	6:00-12:00	6:00-12:00	6:00-12:00	6:00-12:00
WTIC	Hartford...	475.9	630	7:30- 8 30	Silent	6:30-10:30	6:30-10:00	6:30-10:00	6:30-10:00	6:30-10:00
WWJ	Detroit.....	362.7	850	7:30- 8.30	6:20- 8:45	6:00-10:00	6:00- 8:00	6:00- 9:30	6:00- 8:00	6:00-10:00

STATIONS IN ORDER OF WAVE LENGTHS

Meters	Call	Meters	Call	Meters	Call	Meters	Call	Meters	Call	Meters	Call
217.3	WOK	265.6	WMAK	296.9	KPRC	348.6	WEEI	405.2	WOR	475.9	WBAP
222	WCOA	268	KFH	299.8	KSL	350	CZE	406	WBAR	475.9	WTIC
226	KFWI	270.1	WEAN	299.8	WPG	352.7	WWJ	410.7	CKAC	475.9	WFAA
226	WBBM	270.1	WGHP	302.8	WGN	356.9	CFCA	416.4	WCCO	480	CYL
226	WIBO	270.1	WOI	302.8	WLIB	356.9	CKCL	421	KIAF	483.6	WOC
229	KMMJ	272.6	WBBR	302.8	KTAB	356.9	CKNC	422.3	WLW	483.6	WSUI
232.4	KFON	272.6	WEBJ	305.9	KOIL	361.2	KGO	422.3	WKRC	485.1	WJAR
236.1	WGBF	272.6	WFBH	305.9	KTCL	361.2	WHN	428.3	WSB	491.5	KGW
238	WSBC	273	WRW	309.1	KDKA	365.6	WDAF	428.3	KPO	491.5	WEAF
240	KFVE	275.1	WHAD	312.3	KSBA	365.6	WHB	431	WNAC	499.7	WMC
240	WOAX	275.1	WHAR	315.6	KFDM	370.2	WEBH	434.5	CNRO	502.8	KFQB
242	WOOD	275.1	WORD	315.6	KPSN	370.2	WJJD	434.5	CFCN	508.2	KLX
244	WAMD	275.1	WSWS	315.6	WAHG	374.8	KTHS	434.5	NAA	508.2	WIP
246	WBAL	275.3	WJAS	315.6	WGBS	374.8	KVOO	435	AT9	508.2	WOO
250	KFXF	278	KWCR	319	WGR	379.5	WGY	440,9	KLDS	516.9	CJCA
250	WGES	278	KWWG	319	WSMB	379.5	WHAZ	440.9	WDWF	516.9	WCX
250	WMBB	278	WCAU	322.4	KOA	384.4	CKY	440.9	WOS	516.9	WJR
252	KFWB	278	WOQ	325.9	WSAI	384.4	KJR	447.5	WMAQ	526	WHO
252	WGCP	280.2	KMOX	329.5	WJAZ	384.4	WMBF	447.5	WQJ	526	WNYC
256	WRVA	282.8	WOAN	333.1	WBZ	389.4	WTAM	454.3	KFOA	526	WOAW
258	WADC	282.8	WSM	336.9	KNX	394.5	WFI	454.3	WJZ	535.4	KYW
260.7	KFWA	285.5	WREO	336.9	WJAX	394.5	WLIT	455	KTW	545.1	KFUO
260.7	KFJF	288.3	KFKX	340.7	KFAB	394.5	WOAI	461.3	KFNF	545.1	WTAG
263	WAAM	288.3	WLWL	340.7	WKAQ	399.8	WHAS	461.3	KMA		
265.6	WBCN	293.9	KTBI	340.7	WMCA	399.8	WHT	461.3	WCAE		
265.6	WENR	293.9	WAIU	344.6	WCBD	400	PWX	467	KFI		
265.6	WGHB	293.9	WEAO	344.6	WLS	405.2	KHJ	468.5	WRC		

SHORT WAVES

By Marcella

(Continued from page 2)

Margot: Can I tell you a whole lot about J. T. S., the announcer for WHB? I did last June, but will repeat briefly. John T. Schilling, the likeable blond voice of WHB, is 5 feet 10 inches tall, weighs 165 pounds without contours, is 29 years old, has blue eyes to go with his straw blond hair, looks nice in a dress suit, likes musical instruments in tune, good cigars and his wife, and dislikes artistic temperaments. Yes, he was married last fall. He met her in the Sweeney school studio. . . . all of that sort of thing.

* *

"Two Radio Nuts": I don't think Eddie Ellingson of KFAB and the "Harmony" Boys" team of Eddie and Gloomy is really "hard-boiled." He is really quite a sheik, and "Gloomy Gus" Gayle Grubb claims that he has to watch Eddie very closely when he takes him out among the ladies. Eddie is about 24 years old, stands 5 feet 10 inches high, has gray eyes and dark brown, wavy hair, and is still among the unmarried. Gloomy proclaims that his eyes are blue except when his wife hits them, and then they are black. What hair remains is mahogany brown, after a heavy meal his weight is 150 pounds, and on a crowded street car his height is 5 feet 11 inches. Gloomy's age is 30, and he has one child, a girl, who will probably be a Pi Phi (if you know what that means). Mr. Grubb's forte, besides selling Buicks and GMC trucks for the Nebraska Buick company, is composing songs. Ref. "I Don't Think So" and "Etiquette."

* *

Sally and Susanne: So you want to know all about Peter MacArthur of WOC, and whether or not he happens, also, to be "Tom Thumb"? Well, what do you think—here's his own answer:

"I was born in Greenock, Scotland, 39 years ago. As to personal appearance, my hair is a matter of controversy, I insisting that it is dark brown, and some of my friends (me, too, Marcella) holding out for black. The eyes, however, I believe are mates and dark brown. The question of height I am not so sure about, but should judge it is somewhere in the neighborhood of 5 feet 8 or 9 inches. Matrimonial state, hm-m-m-m! Now that is a sticker for such maids as Sally and Susanne! My photographs all show me wearing a smile, genuine or otherwise, so use your own judgment. On second thought, if you are sure it won't be too

(Continued on page 23)

BRITISH WILL TRAIN MIKE DRAMA ACTOR

ORDINARY ACTORS FAIL TO ENUNCIATE PRECISELY

Royal Academy to Teach Special Class Beginning in October—Hope to Develop Art

LONDON, England.—The British Broadcasting company is hunting vigorously, but so far fruitlessly, for a voice. It is a very elusive voice, as clear as a bell and yet full of personality, and very few people apparently possess it.

Even the best actors and actresses have to admit that they have not got the ideal broadcasting voice, and fresh blood has to be found to take parts in the rapidly developing field of Radio drama.

R. E. Jeffrey, production director of the B. B. C., and Kenneth Barnes, director of studies of the Royal Academy of Dramatic Art, the leading British dramatic academy, have hit upon a bright idea for training the future actors and actresses for the ether.

Must Train Differently

Students at the Royal Academy will undergo a special course of training so that any talent they may have for speaking into the microphone may be properly fostered.

"Now that Radio broadcasting has become a permanent institution," said Mr. Barnes, "I feel that two kinds of actors will have to be trained in the future, one for the ordinary stage and one for the Radio. In many cases experience has shown that ordinary actors are not a success before the mike.

"No matter how clear and good one's voice may be, some vowels and consonants may be slurred over in ordinary speech.

"Twenty-five students will be the first to take the course, and we shall start in October. We shall reproduce a small studio in the building by which microphones will be connected to loud speakers in another room. In this way both the examiners and the other students will be able to judge the results."

"Happy Harry's Party" New Saturday Night WQJ Stunt

CHICAGO.—Each Saturday night beginning at midnight "Happy Harry" turns WQJ's studio here into a veritable throng of imaginary visitors with a new and novel little originality he calls "Happy Harry's Party."

Listeners sending in telegrams are the supposed visitors to the studio and Harry's imagination in introducing the visitors leads the listeners to actually believe he has a studio full of out-of-towners, when in reality there are none.

Epworth League Rally To Be on Air, Sept. 19

KDKA and KYW Will Participate in Broadcast

CHICAGO.—The Rally Day services of the Epworth league, an organization of young people of the Methodist Episcopal church throughout the country, will be given on Sunday, September 19. The services in Pittsburgh will be broadcast by Westinghouse Station KDKA and those in Chicago will go on the air from the Evening American studio of Westinghouse Station KYW.

KDKA will go on the air at 4 p. m., Eastern Standard time, and will broadcast one hour's program made up of special music furnished by the Epworth leaguers of the Pittsburgh conference.

The program from Chicago will immediately follow the one hour of music from the studio of the Evening American, which will put the Epworth league broadcast on the air at 4 p. m., Central Standard time, or 5 p. m., Chicago daylight saving time. Music will be furnished by solosists and quartets.

America First to Send Voice on Ether Waves

Foreigner Claims Honor But Is Predated Four Years

NEW YORK.—Raymond Braillard, president of the technical commission of the Union Internationale de Radiophonie, claims to have been the world's first broadcaster of entertainment by wireless telephony, according to a letter recently received here by Eric Palmer. But this is not true.

Mr. Braillard sent voice and music on what was then known as an "arc humide" in 1913. On the other hand, arc transmission of voice and music as a regular proposition was a feature of an American station at San Jose, Calif., as early as 1909, thus predating Mr. Braillard.

Tube transmitters such as are used today for carrying sound or telephony were just being developed about that time. Dr. Lee DeForest, the American who invented the three electrode vacuum tube, is probably the first man in the world to have broadcast voice or music by means of a tube transmitter.

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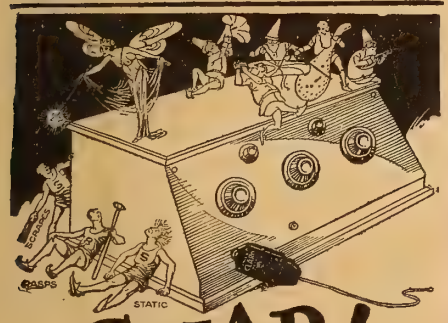

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Tempting 1927 Models

INDIAN Summer is here, and with it has come a marvelous array of beautiful, simple to operate, pleasing to anticipate, tonally perfect receivers. Of course, most of us have receivers, bought this year, last or several years before. But the 1927 models are tempting!

Having conquered the technical obstacles of previous years, most manufacturers have now turned their energies to the equally necessary problem of designing their sets mechanically perfect, artistically things of beauty, fool and trouble proof, and so simple to operate that even a two-year old can be taught to do so.

That the manufacturers have succeeded admirably in their program is proved by the receivers on display. Several pages of this issue of Radio Digest are devoted to the new models. The dealers are exhibiting them in their windows and the receivers may also be seen at many Radio shows and fairs. They are attractive, aren't they?

Even to an oldtimer who is well enough educated in the dial twisting art to handle the most complicated of the antique and complex receivers, the new sets present a most alluring appeal. Of course, friend wife has a lot to say about how much nicer the new ones appear in the parlor—and, besides, the Jones' have one!

Darned if we are going to wait until all the Joneses and Browns get theirs. Guess we'll have to sell our old set to the janitor, or say, Mr. Dealer, what will you allow me for this one on a trade-in on that new one over there?

Good "Broadcasting Business"

TO ENTER the "Broadcasting Business" for purely commercial motives without thought for the kind of transmission sent out, is the object of entirely too many business concerns, churches and schools. Too few broadcasters make a conscientious effort to keep their stations strictly on their announced wave lengths. The slight variation from their wave lengths or frequencies may not seem great at the station transmitters, but when these variations mix with one another, the poor listener can only "stand by" and suffer from the "heterodyne" interference created.

The bureau of standards recently issued a list of twenty-nine broadcasters who adhere to their wave lengths with high accuracy. The bureau modifies its list by saying that there might be more stations thereon if there were bureau experts enough to place in various parts of the country and measure all the transmitters. But, anyway, we will publish the list, as follows, so that listeners will know that at least these stations are interested in good transmission:

WOC, Davenport; WTIC, Hartford; WMAQ, Chicago; WCCO, Minneapolis; WWJ, Detroit; WLS, Chicago; KFAB, Lincoln, Nebr.; WJJD, Chicago; WEAO, Columbus, Ohio; KFKA, Greeley, Colo.; KFH, Wichita; WENR, Chicago; WCAD, Canton, N. Y.; WAAM, Newark, N. J.; WSKC, Bay City, Mich.; WOWO, Fort Wayne, Ind.; WBBM, Chicago; WEBQ, Harrisburg, Ill.; KFVS, Cape Girardeau, Mo.; WOK, Chicago; WPDQ, Buffalo, N. Y.; WEAF, New York; WCAP (now combined with WRC), Washington; WRC, Washington; WJZ, New York; NAA, Arlington, Va.; WGY, Schenectady, N. Y.; WBZ, Springfield, Mass.; KDKA, Pittsburgh.

The 60 Per Cent Service Pests

THE SAD life of the Radio dealer's service man is convincingly described in this number. At the conclusion of the interview with the service manager, the latter classifies sixty per cent of the average trouble calls as coming from people who don't know about Radio, but who think they do, and cause trouble in the sets. Then the service man is called, and the dealer or the service man is blamed for causing the trouble.

We have the solution for this "pesty" sixty per cent. If we were a Radio dealer we would double our service charge for calls from such people.

RADIO INDI-GEST

Wonder What a Radio Thinks About?

(With apologies to Briggs, the cartoonist)

"Last night you cussed me black and blue—
Used every name you could.
It wasn't me—I did my best—
The weather was no good."

"And now tonight you're all upset,
Because your friends are here,
And I dont work just like I should—
Stop poking me, you hear?"

"There's nothing wrong with me at all,
Your batteries are low;
What if your friends are going home?
I'm glad to see them go."

"Quit fooling with my wires, gee whiz,
You've got them all so sore;
If you don't stop your foolishness,
I won't play any more."

"You brute! Go on and curse some more—
You don't hurt me a bit;
I hope you go to bed again
And leave my tubes all lit."

CHARLES ALLEN BRANHAM

SHORT SHAVES

By Barbara

"Old King Tutt, Hiz-self" writes a most chaw-ming letter, which I, being modest, must quote from an answer herewith:

"Why pull your 'Short Shaves' out of print so soon? Don't you know it fills a long-felt want? The newly-weds can learn how to cook from Betty and the flappers and drug store cowboys get the dope they crave from 'Marcella,' so why not put 'Short Shaves' back into commission and give us the low-down on the distinguished contributors of your column?"

* *

Well, King, your highness, it's like this. I've been baiting up at Paul Smiths for Cal Coolidge. Y'see Marcella went fishing on Lake Vermilion, so I went her one better and went baiting for Cal. That's why he caught the fish. You shoulda seen the ones that got away.

* *

Please tell you, "Does the Third Trombone Player really make music on a trombone, or does he just blow on it and make a noise, or perhaps he has plugged the lower end of it for a stein?"

Answer: The Third Trombone Player was kicked out of the Milwaukee Symphony orchestra for blowing a sour note. It is rumored that this was caused by stale beer clogging the mouthpiece. He is married to a wife and his hobby is reading "Condensed," by Dielectric.

* *

No, George isn't the George that everybody lets do it. His contributions give me no evidence as to whether or not he wears socks. I have strong suspicions that he does not. I also understand that he is a poet.

* *

Sorry I must close now, as a great big whale just snapped the minnow off "Prexie's" hook, and I must bait it again for him. Good night, kid-deeeeeesssss.

Silent Night

Of all the sad surprises
With this none can compare,
To try to get a station
That isn't on the air.

"That Red Head Gal," BOBETTE W.

Always and Always

Dear Indi: The great contralto arranged her Lady Duff Gordon gown with infinite care. She touched her hair daintily so that each strand was meticulously in place. She bowed her lips and powdered her nose with more infinite care. . . . The great audience was waiting—

"Ladies and gentlemen," spoke the Radio announcer, "Madame Jupre will now sing 'Always'."

ARTHUR LARSON

Our Anagram Department

For such it must be labelled, since George has forsaken the gentle art of poesy and devotes all his spare time to finding more words and pharses utilizing the same letters as are contained in the title, "The Radio Digest." Here they are:

The air tides God.	O, I'd edit the rags.
The Air tides dog.	The idiots raged.
Editor hides gat.	Airs the tied dog.
God edits the air.	It's a tired he dog.
Dodge, it's the air!	It's a dirte he dog.
It dodges the air.	Dogs the air tide.
The editor sighed.	Dave tie this dog.
Editor is the dog.	This dog are tied.

Intermission Idiosyncrasies

A. C. S. Announcing

"At 10:45 this evening, we will broadcast a vocal selection, Over the Bills and Far Away, which will be rendered by Jimmy Whitmore Valentine, an industrious man about town—when the police are not watching him too closely. What made this a sad world for Jimmy was an account in a local paper of how he had overlooked fifty thousand dollars in brand new ten-dollar bills when he had called recently on a local banking institution."

ARTHUR C. STOWELL

FRANQUE'S FILOSOFEE

Spare the batteries and spoil the concert. *INDI*

The Big "Noise"

Condensed

BY DIELECTRIC

The bicycle playing card sextet that entertains from the studio of Station WSAI, Cincinnati, is deserving of a following, which it, no doubt, enjoys. There work is well done, adding a splendid feature to the station's programs. We are gradually finding an increased number of quartets, trios and sextets, vocal and instrumental, which serve to expand the field of musical entertainment. More real good instrumental quartets would not glut the market. This is one of the stations utilizing the programs originating in New York and transmitted from the captain station, WEAF.

There must be at least one reference to a dance program this issue or it won't seem complete. Well, that one terpsichorean star performance came from Atlanta—Station WSB. The musicians played their selections wonderfully well, feeling the rhythm of each number in a manner to enthuse half-hearted dancers to "step out." The announcements which came between the numbers were given briefly, entirely without intent to put the announcer in the limelight, and clearly named the selections to follow, all without losing several precious minutes in trying to find something facetious to say.

Station KDKA, Pittsburgh, has entertained quite satisfactorily with programs from the Grand theater in that city, municipal concerts of varied attractions and in presenting some soloists with more than ordinary attainment. Your reviewer was particularly pleased with the playing of a 'cellist in a quartet appearing before their mike. Such a statement might imply that the four players were not evenly balanced, allowing the 'cellist to predominate, which would be untrue. They were very well balanced; but so well did this one artist perform it was impossible to ignore his accomplishment.

It must be admitted that a straight piano concert is not a feature to draw the multitude, even when rendering by a celebrated artist. We heard from Station WAIU, Columbus, Ohio, a group of compositions played by a not unusual performer and remained until the last selection had been played. If the execution of these numbers was not all one could desire, the fact of its being an "all American" program made one wish to review that portion of our masterpieces as presented. We too often forget the size of our own library of good music—having real gems fashioned by American composers.

There is another musical organization to which attention should be directed at this time, although to some located where Station WHO, Des Moines, cannot reach at this season there may be less of interest. Mention has been made in these columns of the Banker's Life trio at times when their music carried to many states and nearly always brought comment of a favorable nature. You will find these players just as worthy of a hearing now as in months past and their programs are attractive in the main.

Finally, I wish to record a personal debt of gratitude to one of the artists appearing in the studio of Station WHT, Chicago. The 'cello has an appeal (when capably played) to displace that of most other instruments and, as Ann Slack played her selections the other evening, it seemed as though a whole evening would not be too long a time to listen. Miss Slack possesses a charm to her playing which, when coupled with a most ingratiating tone, makes you close your eyes and revel in the opportunity at hand. Please encore.

LADIES, HERE'S HOW TO HALT ACID SPOTS

AFTER "TELLING" HUBBY TRY THESE REMEDIES

Storage Battery Solution and Domestic Furnishings Don't Mix—How to Save Fabrics Is Told

DENVER.—What to do if Radio battery acid is spilled on fabric floor coverings or clothing," was the subject of a recent microphone chat by Paul H. Bonham of the National Association of Dyers and Cleaners, appearing over Station KOA, Denver, in a bimonthly series of home economics programs.

He warned that liquid in a storage battery is diluted sulphuric acid and will burn a hole in fabrics if not washed out immediately.

"Do not carry a storage battery across rugs or carpets," he urged, "nor should it be permitted to touch curtains and draperies.

"It is important that the following instructions be observed should some of the liquid be spilled on clothing, or in fact, fabric of any kind:

After Spilling—What to Do

"Mix household ammonia with cold water in equal parts. Place white blotter under spot where liquid soiled the garment, if it is clothing. Use medicine dropper to saturate portion covered with battery acid. The blotter beneath the spot will attract ammonia water through the fabric, washing out the acid. Tamp the spot with cheesecloth to absorb liquid from cloth. Continue until certain the threads have been thoroughly washed clean of acid. Blot as dry as possible then hold before an electric fan until completely dry.

"Battery acid is treacherous in its damage to fabric. A heavy acid stain may go unnoticed until the garment is laundered or dry cleaned and ready for pressing. When heat of the iron or moisture from steam in pressing penetrates the cloth, a corrosive action causes immediate destruction of the fibers. If this happens, it is too late for laundering or dry cleaning —the cloth is ruined.

Acid Changes Color of Dyes

"Where color of the rug, carpet or garment may be black or blue, don't conclude that a stain will not show because the shade is dark. Stains from battery acid will change blue or black to red.

"Dry cleaning may restore 'changed colors' by an alkali treatment if dry cleaned immediately. But tell your cleaner what caused the color to change. Just say, 'Battery acid was spilled on it.' Then he well know how to counteract the change."

Mr. Bonham's talks over the General Electric broadcasting station are slated the second and fourth Tuesday afternoons of every month at 3:45 o'clock mountain time.

CORONATE CHAMPION LADY FANS

John Ruskin never dreamed of these two when he wrote "Queen of the Air," but here they are as selected at the Radio World's Fair, New York. Mrs. Lotta Harrauff (left), Princeton, Ill., winner, and Mrs. Flossie E. Erickson, silver cup award for DX record. Mrs. Erickson lives in Bloomington, Ill.

SHORT WAVES

By Marcella

(Continued from page 20)

much for the girls, you might tell them that I am married, at that. As for 'Tom Thumb,' I am afraid if he saw your letter he'd be peeved, for he is pretty fond of his own identity, and does so hate to be confused with me, or anybody else."

* *

Miss Sweet: I am briefly informed that Jerome or "Happy Homer" at KFEQ, Oaks, Neb., has a wife and two children and is serenely satisfied. His full name is Jerome H. DeBoro, eyes are blue and hair brown.

* *

"Lollee Popp" writes to ask if it is really true that Little Jack Little is the proud papa of a baby girl, or if it is just another rumor. I don't know, but then Jack or Mrs. Jack will see this in the column and will drop me a note. Watch for the answer.

* *

"Inquisitive" liked H. Dean Fitzer's recent sketch, and wonders when we are going to give a big feature page about WDAF. Soon, my dear friend, soon, but you must await its announcement under "Looking Ahead" on page two. And she asks further, "When is Gene Rouse going to divulge his hiding place?" To which I must answer that I don't know when, and that it really doesn't matter because nearly everyone already knows where he is and when he may be heard. Gene will kill me for this. Yes, Russell Wildey and "Bill" Shean are the right names of the Ray-O-Vac Twins, unless they are but noms de Radio. At least they publish their songs under these names. And the name of the announcer at KFKX, you ask. That is rather complicated. The man you have in mind is probably Harry F. Russell, although Monday night programs are handled by Dean E. Shaffer, and Dr. Archie Hopper comes in with special announcing on some evening programs. Best log him with the hour and date, and then inquire direct of KFKX which one you heard at the time.

* *

Wm. S.: WOAW has two hostesses, Goldie Funk during the day and Marie Kieny, the evening. Former is about 25, 5 feet 1 inch tall, and has blonde hair, blue eyes and a wonderful smile. She won't talk about matrimony but I think she is married. The latter, or Marie, is a charming brunette with soulful, appealing brown eyes; 22 years young, 5 feet 2 inches tall, unmarried but very eligible. Marie is an accomplished pianist.

* *

"Hank" and Friends: Thanks for "them kind woids." So you really like Doug Richardson, the popular soloist heard over KJR, Seattle? Doug is versatile and so busy that he only finds time for one hobby—golf. His game is in the late 80's, although his partner in the foursome of musicians with whom he generally plays insists he is of no great help. Car mechanic is another of his avocations of necessity, incidentally, because he owns and drives a car which no one but a competent mechanic could possibly keep running. Doug is 23 years young, with all the bouyancy you might expect of a young Irishman. He is a nephew of Arnold Daly, the famous actor, and two of Doug's older brothers are professional singers. It was in combination with one of them, Fred, that he first broadcast. Besides his Radio work as director for the Olympic Merrymakers, he leads his own seven-piece dance orchestra and also acts as trap drummer and vocal soloist with the 42-piece Coliseum theater orchestra in Seattle. Doug has gray-blue eyes, hair that just missed being red, and feet that can't keep still when dance music is being played. Married? The best answer is to tell you there is a Doug, Jr., who has all the deviltry of his father.

* *

What deep secret would you like to know about your favorite broadcast star? Drop me a note, girls and boys, and I'll do my best to answer here. MARCELLA.

WOMANS' PROGRAM INDEX

Monday

Atlantic	Eastern	Central	Mountain	Pacific	
10:30 a.m.	9:30	8:30	7:30	6:30	WWJ (352.7m-850kc), Tonight's dinner.
11:50	10:50	9:50	8:50	7:50	WMC (499.7m-600kc), Home economics discussion, Miss Kitty.
12 n.	11	10	9	8	WHT (399.8m-750kc), Women's club, Jean Sargent.
12:30 p.m.	11:30	10:30	9:30	8:30	WEBH (370.2m-810kc), Fashion and household talks.
1:15	12:15	11:15	10:15	9:15	KMOX (280.2m-1070kc), Time saving cooking. WGN (302.8m-990kc), Home Management period.
12:35	11:35	10:35	9:35	8:35	KYW (535.4m-560kc), Table talk.
2	1	12 n.	11	10	KGW (491.5m-610kc), Household helps. WSOE (245.8m-1220kc), Ladies' hour.
2:20	1:20	12:20	11:20	10:20	WGBF (236.1m-1270kc), Garden talk. WGY (379.5m-790kc), Cooking lesson.
3:15	2:15	1:15	12:15	11:15	KOIL (305.9m-980kc), Shopper's aid.
4	3	2	1	12 n.	WCCO (416.4m-720kc), Women's hour. WSOE (246m-1220kc), Cooking chats. WHB (365.6m-820kc), Ladies' hour. WIP (508.2m-500kc), Market hints for housewives. WJZ (454.3m-660kc), "Your Daily Menu."
5	4	3	2	1	WOC (483.6m-620kc), Home management schedule, Aunt Jane.
5:30	4:30	3:30	2:30	1:30	KMOX (280.2m-1070kc), Housewives' hour.
6	5	4	3	2	KMOX 280.2m-1070kc), Housewives' hour.
6:15	5:15	4:15	3:15	2:15	KYW (535.4m-560kc), Meat talk, John Cutting.

Tuesday

Atlantic	Eastern	Central	Mountain	Pacific	
10:30am	9:30	8:30	7:30	6:30	WWJ 352.7m-850kc), Tonight's dinner.
11	10	9	8	7	KDKA (309.m-970kc), Domestic Science. Arts for the Housewife.
12 n.	11	10	9	8	WHT (399.8m-750kc), Women's club, Jean Sargent. WMAQ (447.5m-670kc), Home economics. WMCA (340.7m-880kc), Home Makers' club. WOI (270m-1110kc), Homemakers' hour. WQJ, (447.5m-670kc), Home economics.
12:30 p.m.	11:30	10:30	9:30	8:30	WEBH (370.2m-810kc), Fashion and household talks. WGN (302.8m-990kc), Home Management period.
1:15	12:15	11:15	10:15	9:15	KMOX (280.2m-1070kc), Fashion talk.
2	1	12 n.	11	10	KGW (491.5m-610kc), Household Helps, shopping guide. WGBF (236.1m-1270kc), Garden talk.
2:45 p.m.	1:45	12:45	11:45	10:45	WQJ (447.5m-670kc), "What to Feed the Family."
3:15	2:15	1:15	12:15	11:15	KOIL (305.9m-980kc), Shopper's aid.
4	3	2	1	12 n.	WJZ (454.3m-660kc), Your Daily Menu.
4:30	3:30	2:30	1:30	12:30	WLS (344.6m-870kc), Homemakers hour.
4:45	3:45	2:45	1:45	12:45	KFNF (461.3m-650kc), Ladies' hour.
5	4	3	2	1	WOC (483.6m-620kc), Home management schedule, Aunt Jane.
6	5	4	3	2	KMA, 461.3m-650kc), Woman's hour. KMOX (280.2m-1070kc), Housewives' hour.
6:30 p. m.	5:30	4:30	3:30	2:30	KOA (322.4m-930kc), Housewives' matinee.
7	6	5	4	3	WCCO (416.4m-720kc), Women's club program. KOA (322.4m-930kc), Culinary hints, Clara Hoover.

Wednesday

Atlantic	Eastern	Central	Mountain	Pacific	
10:30 a.m.	9:30	8:30	7:30	6:30	WWJ (352.7m-850kc), Tonight's dinner.
12 n.	11	10	9	8	WEAO (293.9m-1020kc), Housekeepers' half hour. WHT (399.8m-750kc), Women's club, Jean Sargent. WMAQ (447.5m-670kc), Home economics. WQJ (447.5m-670kc), Home Economics program.
12:30 p.m.	11:30	10:30	9:30	8:30	WEBH (370.2m-810kc), Fashion and Household talks. WGN (302.8m-990kc), Household management period.
12:35	11:35	10:35	9:35	8:35	KYW (535.4m-560kc), Table talk.
1:15	12:15	11:15	10:15	9:15	KMOX (280.2m-1070kc), Cookery, Gladys Kimbrough.
2	1	12 n.	11	10	KGW (491.5m-610kc), Household Helps, shopping guide.
2:20	1:20	12:20	11:20	10:20	WGBF (236.1m-1270kc), Garden talk.
2:45	1:45	12:45	11:45	10:45	WQJ (447.5m-670kc), Home economics.
3:15	2:15	1:15	12:15	11:15	KOIL (305.9m-980kc), Shopper's aid.
4	3	2	1	12 n.	WCCO (416.4m-720kc), Woman's hour. WHB (365.6m-820kc), Ladies' hour. WJZ (454.3m-660kc), "Your Daily Menu."
4:30	3:30	2:30	1:30	12:45	WLS (344.6m-870kc), Homemakers' hour. WLW (422.3m-710kc), Cooking school.

Thursday

Atlantic	Eastern	Central	Mountain	Pacific	
10:30 a.m.	9:30	8:30	7:30	6:30	WWJ (352.7m-850kc), Tonight's dinner.
11	10	9	8	7	WEAF (491.5m-610kc), Talks, cookery lecture.
11:50	10:50	9:50	8:50	7:50	WMC (499.7m-600kc), Home economics discussion, Miss Kitty.
12 n.	11	10	9	8	WEAO (293.9m-1020kc), Housekeepers' half hour. WEAR (389.4m-770kc), Home service talk. WHT (399.4m-750kc), Women's club, Jean Sargent. WMAQ (447.5m-670kc), Home economics. WMCA (340.7m-880kc), Food bureau program. WOI (270m-1110kc), Homemakers' hour. WQJ (447.5m-670kc), Home talks.
12:30 p.m.	11:30	10:30	9:30	8:30	WEBH (370.2m-810kc), Household and fashion talks. WGN (302.8m-990kc), Home Management period.
12:35	11:35	10:35	9:35	8:35	KYW (535.4m-560kc), Table talks.
12:45	11:45	10:45	9:45	8:45	WOI (270.1m-1110kc), Homemakers' period.
1:15	12:15	11:15	10:15	9:15	KMOX (280.2m-1070kc), Recipes.
2	1	12 n.	11	10	KGW (491.5m-610kc), Household helps.
2:20	1:20	12:20	11:20	10:20	WGBF (236.1m-1270kc), Garden talk.
2:45	1:45	12:45	11:45	10:45	WQJ (447.5m-670kc), "What to Feed the Family."
3:15	2:15	1:15	12:15	11:15	KOIL (305.9m-980kc), Shopper's aid.
4	3	2	1	12 n.	WJZ (454.3m-660kc), Your Daily Menu.
4:30	3:30	2:30	1:30	12:30	WLS (344.6m-870kc), Homemakers hour.
4:45	3:45	2:45	1:45	12:45	KFNF (461.3m-650kc), Ladies' hour.
5	4	3	2	1	WOC (483.6m-620kc), Home management schedule, Aunt Jane.
6	5	4	3	2	KMA, 461.3m-650kc), Woman's hour. KMOX (280.2m-1070kc), Housewives' hour.
6:30 p. m.	5:30	4:30	3:30	2:30	KOA (322.4m-930kc), Housewives' matinee.
7	6	5	4	3	KOA (322.4m-930kc), Culinary hints, Clara Hoover.

Friday

Atlantic	Eastern	Central	Mountain	Pacific	
10:30 a.m.	9:30	8:30	7:30	6:30	WWJ (352.7m-850kc), Tonight's dinner.
11 a.m.	10	9	8	7	KDKA (309.1m-970kc), Domestic science and Arts for the Housewife.
12 n.	11	10	9	8	WEAO (293.9m-1020kc), Housekeepers' half hour. WHT (399.8m-750kc), Women's hour, Jean Sargent. WMAQ (447.5m-670kc), Home economics. WQJ (447.5m-670kc), Sunday dinner.
12:15 p.m.	11:15	10:15	9:15	8:15	KYW (535.4m-560kc), Meat talk. WMCA (340.7m-880kc), Food bureau.
12:30	11:30	10:30	9:30	8:30	WEBH (370.2m-810kc), Household and fashion talks. WGN (302.8m-990kc), Home Management period.
12:35	11:35	10:35	9:35	8:35	KYW (535.4m-560kc), Table talk.
1:15	12:15	11:15	10:15	9:15	KMOX (280.2m-1070kc), Household hints.
2	1	12 n.	11	10	KGW (491.5m-610kc), Household helps.
2:45	1:45	12:45	11:45	10:45	WOAW (526m-570kc), Sunshine Sunday dinner menu.
3:15	2:15	1:15	12:15	11:15	WQJ (447.5m-670kc), Food talks. KOIL (305.9m-980kc), Shopper's aid.
4	3	2	1	12 n.	WHB (365.6m-820kc), Ladies' hour. WJZ (454.3m-660kc), "Your Daily Menu," Mrs. J. Heath.
4:05	3:05	2:05	1:05	12:05	WCCO (416.4m-720kc), Woman's hour.
4:45	3:45	2:45	1:45	12:45	KFNF (461.3m-650kc), Ladies' hour.
5	4	3	2	1	KYW (535.4m-560kc), Woman's hour. WOC (483.6m-620kc), Home Management, Aunt Jane.
5:15	4:15	3:15	2:15	1:15	WMAQ (447.5m-670kc).
6:30	5:30	4:30	3:30	2:30	KOA (322.4m-930kc), Housewives matinee.
7	6	5	4	3	KOA (322.4m-930kc), Culinary hints. Fashion review.

Saturday

Atlantic	Eastern	Central	Mountain	Pacific	
10:30 a. m.	9:30	8:30	7:30	6:30	WWJ (352.7m-850kc), Tonight's dinner.
12 n.	11	10	9	8	WHT (399.8m-750kc), Women's club, Jean Sargent. WMAQ (447.5m-670kc), Home economics. WQJ (447.5m-670kc), Home Economics program. "Salads."
12:30 p.m.	11:30.	10:30	9:30	8:30	WEBH (370.2m-810kc), Household talks. WGN (302.8m-990kc), Home Management period.
12:35	11:35	10:35	9:35	8:35	KYW (535.4m-560kc), Table talk.

LARGEST TIE-UP IN HISTORY BROA

HIGH LIGHTS OF THE AIR

THIRTY-THREE stations, one of the largest tie-ups ever attempted in Radio history, will broadcast part or all of the program of the Third Annual Radio Industries banquet, to be held at the Hotel Astor, New York, on September 15. An extensive program starting at 7:30 p. m. Eastern daylight saving time and lasting until 1:45 a. m. will feature many famous speakers and musical favorites. Mary Lewis and Reinald Werrenrath are expected to sing the "Barcarolle" together. Vice President Charles G. Dawes will be the speaker.

The Ararat Shrine Temple chanters, under the direction of Clarence D. Sears, will return to WDAF on Wednesday night, September 15, at 9 o'clock. This will be the chanters' first appearance before the microphone of WDAF since last May. Mr. Sears has promised programs that should please the most critical audience and, judging from the mail received by the chanters last year, the listeners of WDAF were well pleased. The chanters are scheduled for one concert each month up to and including April, 1927.

How many laughs to the wavelength is a poser to be determined in a microphone experiment conducted by Stanley Hall over KOA, Denver. Can the voice, unaided by acrobatic antics, in itself produce streams of chuckles and side-aching laughs? Formerly of the Keith and Orpheum circuits, and known coast to coast as "the man of a million stories," Mr. Hall is chalked up for a thirty minute novelty program, "Wit and Humor of the Age," every Tuesday evening at 8:30 p. m. Mountain time.

The Rally Day services of the Epworth league, an organization of young people of the Methodist Episcopal church throughout the country, will be given on Sunday, September 19. The services to be given in Pittsburgh will be broadcast by Westinghouse Station KDKA and those to be held in Chicago will go on the air from KYW. KDKA will go on the air at 4 p. m. Eastern standard time. The program from Chicago will be broadcast at 4 p. m. Central standard time.

A Radio style show where the models clothed in their fur cloaks and beautiful gowns will depend upon the brilliant descriptions of the announcer will be the feature for the ladies in the WLIT broadcast, Wednesday, September 22. This feature is under the auspices of the National Association of Retail Clothiers and Furnishers.

The great Dempsey-Tunney fight is scheduled for September 23 and will go out upon the ether from all stations connected with the Associated Press. The time has not been definitely set, but the fight will probably take place between 4 and 5 o'clock Eastern standard time.

Voices never before heard over the Radio will interest listeners Thursday, September 30, from KFI, Los Angeles. A short playlet will be given, the cast of which will be composed of screen artists. Tune in and see if you would know your favorites by voice.

RESPONSIBLE millions wil bers, above committee for t Industries Banqu cast by thirty-thr ture are Frank Stacy, Eveready WJZ; Maj. J. An of Wolfsohn Mu Hart Plotz, left, cently made he WMCA and is r on their program tion of having Machado of Cub Walter Damrosch Franz Proschowsk to appear before Marie Branton, whose solos hav to WGHB, Clear

Wednesday, September 15

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
7 p.m.	6	5	4	3

WHN, WRNY, WLWL, WFBH, WMCA, WNAB, WBOQ, Third Annual Radio Industries banquet.

7:30	6:30	5:30	4:30	3:30

WAHG, (315.6m-950kc), Radio Industries banquet.

7:35	6:35	5:35	4:35	3:35

WNYC (526m-570kc), Radio Industries program.

8	7	6	5	4

WOR (405.2m-740kc), WNAC, WEAN, WJZ, WGY, WBZ, Radio Industries.

9	8	7	6	5

KDKA (309.1m-970kc), Lefridge trio, WEAF, WEEI, WJAR, WGR, WOO, WRC, WCSH, WTAM, WWJ, KSD, WOC, WTAG, WCAE, WCCO, WTIC, WGN, WLW, WODA, WHO, Radio Industries program.

9:30	8:30	7:30	6:30	5:30

KMOX (280.2m-1070kc), Fantasia, "Autumnal."

11	10	9	8	7

WDAF (365.6m-820kc), Ararat Shrine Temple chanters.

11:25	10:25	9:35	8:25	7:25

KOA (322.4m-930kc), Minstrel players.

Wednesday, silent night for: KGO, KLDS, KMMJ, KOIL, KPSN, KTAB, KWWG, WABQ, WBAL, WBAP, WBBR, WCBD, WFAA, WGBF, WGBS, WGCP, WHAR, WIP, WJAZ, WMC, WOAW, WPG, WSUI.

Atlantic or Eastern Daylight Saving Time Stations

CNRO, Ottawa, Can. (434.5m-690kc), 9 p. m., French Canadian program, Charles Larocho's orchestra; Chateau Laurier dance orchestra.

WAHG, Richmond Hill, N. Y. (315.6m-950kc), 7:30 p. m., special program, Third Annual Radio Industries banquet.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30 p. m., Snellenburg recital; 8, Melrose concert quartet; 8:30, recital; 9, Minerva Rose Chadwin, soprano; 9:30, Senator Hassenpfeffer; 9:45, Frank Cook, old-time songs; 10, Bittong's Cheer-Up club.

WEAF, New York, N. Y. (491.5m-610kc), 6 p. m., Hotel Waldorf-Astoria; 7, synagogue service; 7:30, U. S. Army band, WEEI, WTAG, WJAR, WGR, WCAE, WWJ, WSAI, WRC; 8:30, Davis Saxophone octet, WOO, WJAR, WCAE, WSAI, WEEI, WTAM, WTAG, WRC; 9, Third Annual Radio Industries banquet.

WEBJ, New York, N. Y. (272.6m-1100kc), 8 p. m., Karl Weiss Peasant band; 8:40, Jerry Alexander, entertainer; Sara Turits, soprano; 9:10, duets; 9:30, Sigmund Brunislav, tenor; 9:45, William Bisignano, accordionist.

WEEI, Boston, Mass. (348.6m-860kc), 8 p. m., WEAF.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:45 p. m., Hotel Adelphia dance orchestra.

WHN, New York, N. Y. (361.2m-830kc). 7 p. m., Radio banquet.

WJAR, Providence, R. I. (485.1m-618kc), 8 p. m., U. S. Army band concert; 8:30, Davis Saxophone octet; 9, WEAF.

WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Hotel Madison concert orchestra; 8, Imperial Imps; 9, Radio banquet.

WLIT, Philadelphia, Pa. (394.5m-760kc), 8 p. m., Arcadia cafe concert orchestra; 10, Arcadia cafe dance orchestra.

WMAK, Buffalo, N. Y. (265.3m-1130kc). 7:30 p. m., Eastman theater musicale; 8:05, musicale; 9-10, musical program.

WMCA, New York, N. Y. (340.7m-880kc), 7 p. m., Radio banquet.

WNYC, New York, N. Y. (526m-570kc), 7:35 p. m., Radio banquet.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Hotel Sylvania orchestra; 8:30, Davis Saxophone octet; 9, Irana Hour; 10, Fox theater studio program; 10:30, Sam Brown's dance orchestra.

WOR, Newark. N. J. (405.2m-740kc), 8 p. m., Radio banquet.

Eastern Standard or Central Daylight Saving Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 5:30 p. m., dinner concert, Flotilla club; 8, Lefridge trio; Marguerite Riley, soprano.

KYW, Chicago, Ill. (535.4m-560kc), 6:30 p. m., Joska DeBabary and his orchestra; Bittic-Benson orchestra; 7, American hour; 9-10:30, classical concert, Commonwealth Edison company; 10:30-12 midnight, Congress carnival.

PWX, Havana, Cuba (400m-750kc), 8-10 p. m., Military band music.

WBBM, Chicago, Ill. (225.4m-1330kc), 5:15-6 p. m., recital, Ellie Hanson, organist; 9-10, Harmony Time, staff artists; 12, The Nutty club.

WBZ, Springfield, Mass. (333.1m-900kc), 7:30 p. m., Radio Manufacturing association dinner; 10:05, dinner.

WCFL, Chicago, Ill. (491.5m-610kc), 6:30-7:30 p. m., Florentine string trio; 7:30-8:30, Arthur Billquist, baritone; Harry Anderson, tenor; 8:30-10, Hickey and Johnson; Joe Warner; Marie Wright; 10-1, Alamo cafe orchestra.

WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., Goldkette ensemble; 8-10, music.

WDBO, Winter Park, Fla. (239.9m-1200kc), 8:15 p. m., Mrs. B. Harrison Blixt, soprano; Mrs. Carrol D. Stowe, pianist; 9, Harry Day, pianist; Mildred Hodges, contralto.

WEBH, Chicago, Ill. (370.2m-810kc), 7-8 p. m., Edgewater Beach hotel concert orchestra; Florence Behrend, soloist; 9-9:45, Edgewater Beach dance orchestra; Metropolitan harp trio; songs, F. Behrend; 11-12, dance orchestra; songs, Joe Verges and Paul Small; saxophone quartet; songs, Frank Greif; 12-12:30 a. m., Edgewater Beach hotel orchestra.

WGHB, Clearwater, Fla. (266m-1130kc), 8:30-10 p. m., Methodist church choir.

WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert, Hotel Tuller; 8:30-9, Little Symphony orchestra; 9-10, WGHP ensemble.

WGN, Chicago, Ill. (302.8m-990kc), 6:45-7 p. m., Drake concert ensemble; Blackstone string quintet; 8:30-9, musicale; 9-10, musicale; 10-10:10, Sam 'n Henry; 10:10-10:20, Music Box; 10:20-10:30, studio program; 10:30-12:30 a. m., Pepper party.

WGR. Buffalo, N. Y. (319m-940kc), 6:30-7:30 p. m., Gospel Melodists; 8:30-9, J. Blosek, pianist; 9-11:45, WEAF.

WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., Eastman theater orchestra; 7:30, WJZ.

WHT, Chicago, Ill. (399.8m-750kc), 7-8:30, Al Carney, organist; Riverview Melody Masters; 8:45-10:15, (238m-1260kc), Helen Rauh, organist; Stuart Dawson; 10:30-1, (399.8m-750kc), Al and Pat; Riverview orchestra.

WJAZ, Chicago, Ill. (329.5m-910kc), 9-12 midnight, Earl Hoffman's Chez Pierre orchestra; program for Captain Donald MacMillen; Alexander Nakuten.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Goldkette's Petite symphony orchestra, soloists; 7:45, Good Will Oakland and Chief Pontiac; 8, concert; 11, Murphy Brothers' organist; 12, Merry Old Chief and Jewett Jesters.

WKRC, Cincinnati, Ohio (325.9m-920kc), 6 p. m., Allah orchestra; 8:15, Hotel Alms orchestra; 8:30, Howard Haffold, tenor; 9, Everfresh hour; 12, Lookout house orchestra.

WLIB, Chicago, Ill. (302.8m-990kc), 7-7:05 p. m., Million sing; 7:05-7:15, Old-Fashioned Almanack; 7:15-7:30, dinner music; 7:30-7:50, Pattison Coates, baritone; Edward Barry, pianist; 7:50-8, Auld Sandy; 8-8:30, WEAF; 12:30-1 a. m., Ambrose Larsen, organist.

WLS, Chicago, Ill. (344.6m-870kc), 6:30 p. m., organ concert, Al Melgard; 6:45, Maurie Sherman's College Inn orchestra; 7:20, Rose Sherman, violinist; Marie Ludwig, harpist; 7:30, organ concert, Ralph Emerson; 8, Surprise time; 8:10, Sherman's College Inn orchestra; 8:30, Ford and Glenn; 9, WLS trio, picture concert; 9:30, Fulton M. E. church choir; 10, popular music; 11, special program.

WLW, Cincinnati, O. (422.3m-710kc), 7 p. m., Robert Visconti's orchestra; 8, WEAF; 11, Pink of programs.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 8:30, Whitney trio; 9:50, WMAQ air line.

WMBB, Chicago, Ill. (250m-1200kc), 7-8 p. m., Trianon duo; Charlotte Johnson, soprano; Monte Blum, tenor; John Everett, baritone; Harold Thorpe, pianist; 9-11, Trianon orchestra; Grace Frost, whistler; Myra Mills, pianist; Borden Brothers; John Stamford.

WOK, Chicago, Ill. (217.3m-1380kc), 6-8 p. m., Tip Top Inn string ensemble concert; 8-12, Capitol theater organ; Katz and his Kittens' orchestra; Midway Garden orchestra; Tearney's Town club orchestra; Capitol theater program.

WORD, Batavia, Ill. (275.1m-1090kc), 7 p. m., program; 7:45, reading; 9, I. B. S. A. choral singers.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., dinner concert; 10-2, Joe Rudolph and his Rainbo Gardens orchestra; Rainbo Gaieties.

WRC, Washington, D. C. (468.5m-640kc), 5 p. m., U. S. Marine band; 7:30, WEAF; 8, WEAF.

WRVA. Richmond, Va. (256.3m-1170kc), 8:45 p. m., folk songs with Melodian; 9:15, Melodian and fiddle; 10, organ recital, quartet, Shepherd Webb.

WSAI, Cincinnati, O. (325.9m-920kc), 7:30 p. m., WEAF; 10, string quartet.

WSWS, Chicago, Ill. (275m-1090kc), 6-7 p. m., classical program; 8-9, Zola Haynes, Hugh Aspinwall, reader; Georgia Gray; orchestra; Henri Therrien, tenor; 10-11, Jack Goodwin, ballads; 12-1, witching hour.

WTAM, Cleveland O. (389.4m-770kc), 6:15 p. m., Hotel Cleveland orchestra; 7:30, WEAF; 8, WEAF.

WTIC, Hartford, Conn. (475.9m-630kc), 7:30 p. m., Bill Jones and his Capitol theater orchestra; 7:50, "Pickles," Olea M. Sands; 8, Radio Industries banquet.

WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7, WEAF; 7:30, Detroit News orchestra; 8, WEAF; 9, Detroit News orchestra.

Central Standard Time Stations

KFAB, Lincoln, Neb. (340.7m-880kc), 5:30-6:30 p. m., dinner concert; 8:30-10:30, old-time tune night.

KFNF, Shenandoah, Ia. (461.650kc), 7 p. m., concert, Henry Field Seed company.

KMA, Shenandoah, Ia. (461.3m-650kc), 9-11 p. m., de luxe mixed musical program.

KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., Jacquinot Jules; 7, Dr. J. L. Bischof, Alma Rotter; 8:30, KMOX Radio orchestra; 9, song cycle; 9:30-11:30, Varsity Troubadours; KMOX orchestra.

KPRC, Houston, Tex. (296.9m-1010kc), 7:30 p. m., Jack Willrich's dance orchestra; Virginia Willrich, accordionist; 8:15, Mrs. Robert E. Doty, vocalist; Elise Rosenthal, violinist; Mrs. E. P. McClanahan; 9:30, Leon Schiro, tenor.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10-10:30 p. m., Lon Chassy, violinist; 9:50, Lawson Reid, organist.

WAMD, Minneapolis, Minn. (244m-1230kc), 6 p. m., Radisson hotel orchestra; 7:15, classical hour; 10, Gould banjo club; 11, Skyrocket frolic; Golden Gate orchestra; Night Watchman and entertainers.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 7 p. m., WEAF.

WCOA, Pensacola, Fla. (222m-1350kc), 7-8:30 p. m., H. I. Seaburg, vocalist; John D. Thomas, pianist; Mrs. O. V. Calhoun, vocalist; Sybil McNair, pianist; Clara Frenkel, vocalist; Sevene Broadcasters.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., School of the Air; 8-9, popular musical program, Charlie Straight's orchestra; 9-10, Ararat Shrine chanters; 11:45-1 a. m., Nighthawk frolic.

WHAD, Milwaukee, Wis. (275m-1090kc). 6:10 p. m., Arthur Richter, organist; 11:30, organ.

WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., entertainers.

WHB, Kansas City, Mo. (365.6m-820kc), 7-8 p. m., entertainers.

WHO, Des Moines, Ia. (526m-570kc), 6-7 p. m., Bankers Life Little symphony orchestra; Myrtle Williams, soprano; 7-8, Paul Christianson's Hotel Fort Des Moines orchestra; 8, WEAF.

WOAI, San Antonio, Tex. (394.5m-760kc), 8:30 p. m., Delaware Punch program.

WOC, Davenport, Ia. (483.6m-620kc), 4-4:45 p. m., Bernard Reagan, baritone; Jeanne de Vogelaere; Jack Wilman, tenor; 7-8:30, WEAF; 8, WEAF.

WOS, Jefferson City, Mo. (440.9m-680kc), 8 p. m., L. F. Sulleas, accordionist; Mrs. Vee Latty.

WSB, Atlanta, Ga. (428.3m-700kc), 10:45 p. m., Peerless entertainers.

WSM, Nashville, Tenn. (282.8m-1060kc). 7 p. m., dinner concert, trio; 8, program; 10, studio program.

Mountain Standard Time Stations

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra; 8:15, football; 8:25, Minstrel show.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7 p. m., Westerland Trio; 7:30, Nick Harris story; 8-9, program, California Petroleum corporation Calpet trio; 9-10, Patrick-Marsh dance orchestra; 10-11, Charley Beauchamp, tenor.

KFWB. Hollywood, Calif. (252m-1190kc), 8-9 p. m., program, Velvetone Radio corporation; 9-10, Corduroy Tire Stores, Inc.; 10-11, Warner Brothers frolic.

KGO, Oakland, Calif. (361.2m-830kc), 8:30 p. m., Stanislas Bem's Little symphony orchestra; 9, Radio talk, Howard D. King.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 9-10, concert.

KHJ, Los Angeles, Calif. (405.2m-740kc), 8-10 p. m., Times de luxe presentation; 10-11, Jerry Grant and his orchestra.

KLX, Oakland, Calif. (508.2m-590kc), 6:30-7 p. m., Athens Athletic club orchestra; 8-9, educational program; 9-10, special program.

KNX, Hollywood, Calif. (336.9m-890kc), 7-8 p. m., feature program; 8-9, program, Security Trust and Savings bank; 9-10, program, El Sereno Country club; 10-11, Edwegater club dance orchestra; 11-12, Ambassador hotel dance orchestra.

KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7 p. m., States Restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel concert orchestra; 8-9, Atwater Kent artists; 9-10, Clift hotel dance orchestra; 10-11, States Restaurant orchestra.

KTAB, Oakland, Calif. (302.8m-990kc), 8-10 p. m., program.

Thursday, September 16

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
9 p.m.	8	7	6	5

WLW (422.3m-710kc), Dayton Radio show.

10:30	9:30	8:30	7:30	6:30

KWWG (278m-1080kc), Spanish songs, Senorita Margarita Aguerre.

KPRC (296.9m-1010kc), "Tex" Lynne, whistler.

WMC (399.8m-750kc), Vesey ensemble.

11	10	9	8	7

WQJ (447.5m-670kc), Sylvian Four.

1	12	11	10	9

KGO (361.2m-830kc), Musical Bears.

KYW (535.4m-560kc), Opening and answering the mail.

Thursday, silent night for: KFAB, KFH, KFOA, KFUO, KMOX, KOA, KOB, WAHG, WAMD, WEAO, WEBJ, WGBF, WHAD, WMAK, WOOD, WOR, WOS, WSM, WSUI, WTAM.

Atlantic or Eastern Daylight Saving Time Stations

CNRM, Montreal, Can. (410.7m-730kc), 9 p. m., night with Majesty's ship "Calcutta."

WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:30 p. m., Cathay Garden orchestra; 7:30, Snellenburg symphony orchestra; 8, Saddler's Plantation serenaders; 8:30, recital; 8:45, Getz Go-Getters; 9, Carolyn Thomas, soprano; 9:30, Musical Chefs; 9:45, Professor Doolittle; 10, Hood Boys.

WEAF, New York, N. Y. (491.5m-610kc), 6 p. m., dinner music; 7, mid-week hymn sing; 7:30, Meyer Davis' orchestra; 8, Serenaders, WEEI, WFI, WOC, WSAI, WWJ, WGR, WTAM, WCAE; 9, orchestra concert, Frances Sebel, soprano, WEEI, WFI, WOC, WSAI, WWJ, WGR, WTAM; 10, Cliquot club Eskimos, WEEI, WJAR, WTAG, WFI, WCAE, WSAI, WTAM, WGR, WWJ, WOC, WCCO, KSD, WGN; 11, Silvertown Cord orchestra, WEEI, WFI,

CASTS RADIO INDUSTRIES BANQUET

a program which
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White, Jack Adams
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FARMERS' PROGRAM INDEX

Farmer Dinner Concerts

Daily Except Sunday

CENTRAL TIME
KFNF, 12:15-1:35 p. m.
KMA, 11:30-12:30
KSO, 12:30-1:30 p. m.

Sunday

Atlantic	Eastern	Central	Mountain	Pacific
4:30 p. m.	3:30	2:30	1:30	12:30

WFAA (475.9m-630kc), Sunday hour for farmers.

Monday

Atlantic	Eastern	Central	Mountain	Pacific
12 m.	11	10	9	8

KMMJ (228.9m-1310kc), Poultry talks.

2:13	1:13	12:13	11:13	10:13

WHO (526m-570kc), Radio farm school.

2:30 p. m.	1:30	12:30	11:30	10:30

KMA (461.3m-650kc), Farm talk, Agricultural aid.
WMAQ (447.5m-670kc), Prairie Farmer farm talks.

2:45	1:45	12:45	11:45	10:45

WOI (270.1m-1110kc), Questions and answers on Horticulture.

8:45	7:45	6:45	5:45	4:45

WSM (282.8m-1060kc), Poultry talks.

9	8	7	6	5

WOS (440.9m-680kc), Livestock questions and answers.

9:30	8:30	7:30	6:30	5:30

KUOA (299.8m-1010kc), Sept. 20, 27, Farm courses.
WMC (499.7m-600kc), Farm talk.

10	9	8	7	6

KFNF (461.3m-650kc), Poultry talk.

10:30	9:30	8:30	7:30	6:30

WFAA (475.9m-630kc), Sears-Roebuck program.

12:05a.m.	11:05	10:05	9:05	8:05

KGO (361.2m-830kc), Agricultural Outlook.

Tuesday

Atlantic	Eastern	Central	Mountain	Pacific
12 m.	11	10	9	8

KMMJ (228.9m-1310kc), Poultry talks.

2:13 p.m.	1:13	12:13	11:13	10:13

WHO (526-570kc), Radio farm school.

2:15	1:15	12:15	11:15	10:15

WCCO (416.4m-720kc), Farm program.

2:30	1:30	12:30	11:30	10:30

KMA (461.3m-650kc), Agricultural aid.
WMAQ (447.5m-670kc), Prairie Farmer farm talks.

2:45	1:45	12:45	11:45	10:45

WOI (270m-1110kc), "Animal Husbandry."

7:45	6:45	5:45	4:45	3:45

WGY (379.5m-790kc), Agricultural program.

9	8	7	6	5

KYW (535.4m-560kc), American Farm Bureau Federation.

10:30	9:30	8:30	7:30	6:30

KOA (322.4m-930kc), Farm question box.

11:10	10:10	9:10	8:10	7:10

WOAW (526-570kc), Poultry, pig troubles.

Wednesday

Atlantic	Eastern	Central	Mountain	Pacific
1:45p.m.	12:45	11:45	10:45	9:45

WMAQ (447.5m-670kc), Prairie Farmer farm talks.

2:13	1:13	12:13	11:13	10:13

WHO (526-570kc), Radio farm school.

2:30	1:30	12:30	11:30	10:30

KMA (461.3m-650kc), Agricultural aid.
WFAA (475.9m-630kc), Sears-Roebuck Agricultural program.

2:45	1:45	12:45	11:45	10:45

WOI (270.1m-1110kc), Poultry husbandry.

9	8	7	6	5

WOS (440.9m-680kc), Evening market hour, poultry questions and answers.

Thursday

Atlantic	Eastern	Central	Mountain	Pacific
2:13pm	1:13	12:13	11:13	10:13

WHO (526m-570kc), Radio farm school.

2:15	1:15	12:15	11:15	10:15

WOI (270m-1110kc), Farm crops.

2:30	1:30	12:30	11:30	10:30

KMA (461.3m-650kc), Agricultural aid.
WMAQ (447.5m-670kc), Prairie Farmer farm talks.

9:30	8:30	7:30	6:30	5:30

WOI (270m-1110kc), Talk.

9:33	8:33	7:33	6:33	5:33

KYW (535.4m-560kc), American Farm bureau.

10:30	9:30	8:30	7:30	6:30

KOA (322.4m-930kc), Farm question box.

Friday

Atlantic	Eastern	Central	Mountain	Pacific
2:13pm	1:13	12:13	11:13	10:13

WHO (526m-570kc), Radio farm school.

2:15	1:15	12:15	11:15	10:15

WCCO (416.4m-720kc), Farmers' program.

2:30	1:30	12:30	11:30	10:30

KMA (461.3m-650kc), Agricultural aid.
WMAQ (447.5m-670kc), Prairie Farmer farm talks.

2:45	1:45	12:45	11:45	10:45

WOI (270m-1110kc), Agricultural Economics.

9	8	7	6	5

WOS (440.9m-680kc), Evening Market hour. Dairy questions and answers.

9:30	8:30	7:30	6:30	5:30

WOC (483.6m-620kc), Question box.

Saturday

Atlantic	Eastern	Central	Mountain	Pacific
2 p. m.	1	12 n.	11	10

KPRC (296.9m-1010kc), Farmers' educational and musical program.

2:15	1:15	12:15	11:15	10:15

KSO (241.8m-1240kc), Farm talk.

2:30	1:30	12:30	11:30	10:30

KMA (461.3m-650kc), Agricultural aid.

2:45	1:45	12:45	11:45	10:45

WOI (270m-1110kc), Soils, questions and answers.

9	8	7	6	5

KDKA (309.1m-970kc), Farm program.

WCAE, WWJ, WGR, WOC, WCCO, WTAG, KSD, WSAI, WJAR, WGN, WADC, WCSH; Greenwich Village Inn orchestra.

WEEI, Boston, Mass. (348.6m-860kc), 8-11 p. m., WEAF.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:45 p. m., Hotel Adelphia dance orchestra; 8, Salon orchestra; 8:30, WEAF.

WHN, New York, N. Y. (361.2m-830kc), 7-7:30 p. m., Junior Order night; baritone; 8:30, theater overture, vaudeville; 11:30-12, Cotton club orchestra.

WJAR, Providence, R. I. (485.1m-618kc), 8:30 p. m., musical program; 9, WEAF; 10, WEAF.

WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Hotel Madison concert orchestra; 8, Voice of the Silent drama; 8:30, WRC; 9:30, Royal Typewriter Salon orchestra, WGY, WRC; 10:30, Fireside Boys, WRC, WBZ.

WMCA, New York, N. Y. (340.7m-880kc), 7 p. m., Monte Carlo by the Sea orchestra; 8, Roemers Homers; 9, Solow soloists; 11, Hotel McAlpin orchestra; 12, Broadway night.

WNYC, New York, N. Y. (526m-570kc), 7 p. m., piano selections; 8, band concert, Prospect park.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Hotel Sylvania dance orchestra.

WOR, Newark, N. J. (405.2m-740kc). 6:15 p. m., Jacques Jacobs' Hotel Shelton ensemble; 7, Jacques Jacobs' Hotel Shelton ensemble; 7:45, Oreste's Queensland orchestra; 8:15, Vanderbilt Hotel orchestra; 9, Arthur Pryor's band; 10, Chateau Baltusrol orchestra.

Eastern Standard or Central Daylight Saving Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 5:30 p. m., dinner concert; 8, "Bizet" symphony players; Winifred Perry, contralto; 10:20, concert, Flotilla club, Etzi Covato and his orchestra.

KYW, Chicago, Ill. (535.4m-560kc), 6:30 p. m., dinner concert, Congress hotel; 8-9, "Twenty Minutes of Good Reading"; 9-10:30, classical program; 10:30-12 midnight, Congress Carnival.

WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., dinner orchestra; 7:30-8, mixed quartet; 8-9, WBAL trio; John Wilbourn, tenor; 9-10, dance orchestra.

WBZ, Springfield, Mass. (333.1m-900kc), 6:05 p. m., Edward J. McEnelly and his Victor Recording orchestra; 8, musicale; 8:30, Frank McGrather, baritone; Joseph Gilday, violinist; 9, Mrs. Helen Beckwith Ryan, contralto; 9:15, Leslie Stearns, tenor.

WCFL, Chicago, Ill. (491.5m-610kc), 6:30 p. m., Florentine string trio; 7:30-8:30, Ann post, contralto; Joe Warner; 8:30-10, Hazel Nyman, accordion soloist; Axel Christensen; Jimmie Eggert; 10-1, Alamo dance orchestra.

WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., Goldkette ensemble; 8-10, studio program.

WDBO, Winter Park, Fla. (239.9m-1200kc), 9 p. m., Sanford hour of music.

WEBH, Chicago, Ill. (370.2m-810kc). 7-8 p. m., harp recital, Edward Vito; orchestra; E. Bigelow, pianist; 9-9:45, Edgewater Beach hotel orchestra; songs, Carlos Hatvary, ensemble; 11-12:30 a. m., dance music; guitar solos, Hickey and Johnson; songs, Rita McFawn; Six syncopators.

WGHB, Clearwater, Fla. (266m-1130kc), 7:30-8:30 p. m., dinner music.

WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert; 10-11, WGHP Frolickers; 11-12, Skylark dance band.

WGN, Chicago, Ill. (302.8m-990kc), 6:45-7 p. m., request program; 8-9, WEAF; 9-10, WEAF; 10-10:10, Sam 'n' Henry; 10:10-10:20, Music Box; 10:20-10:30, Great Moments from Grand Opera; 10:30-11, WGN studio ensemble.

WGR, Buffalo, N. Y. (319m-940kc), 8-11 p. m., WEAF.

WGY, Schenectady, N. Y. (379.5m-790kc), 6:45 p. m., instrumental trio; 7:30, WRC; 8, WJZ; 9, Utica Industrial Institute male quartet; 10:30, Stephen E. Boisclair.

WHT, Chicago, Ill. (399.8m-750kc), 7-8:30 p. m., Al Carney, organist; 8:45 (238m-1260kc), Helen Rauh, organist; Stuart Dawson, poems; 10:30-1 (399.8m-750kc), Al Carney, organist; Billy Alan Huff, popular songs; Little Joe Warner, character songs; Al and Pat.

WJAZ, Chicago, Ill. (329.5m-910kc), 9-12 midnight, Chez Pierre orchestra; Henrietta Nolan, violinist; George Peterson, baritone; Jacob Hannemann, pianist.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Detroit Trade Expansion program; entertainers; 8, concert.

WKRC, Cincinnati, O. (325.9m-920kc), 10 p. m., Swiss Garden frolic; 11, popular songs; 11:15, Walter Davidson's Louisville Loons.

WLIB, Chicago, Ill. (302.8m-990kc), 7-7:05 p. m., Million sing; 7:05-7:15, Old-Fashioned Almanack; 7:15-8, Drake concert ensemble; Blackstone string quintet; 11-11:20, Correll and Gosden; 11:20-1 a. m., Liberty Studio ensemble; Ambrose Larsen, organist; Bobby Meeker's Drake hotel dance orchestra; Fred Hamm's orchestra.

WLS, Chicago, Ill. (344.6m-870kc), 7:20 p. m., Rose Sherman, violinist; Marie Ludwig, harpist; 7:30, organ concert, Ralph Emerson; 8, Surprise time; 8:10, Maurie Sherman's College Inn orchestra; 8:20, Arthur Clipping, baritone.

WLW, Cincinnati, O. (422.3m-710kc), 7 p. m., Robert Visconti's orchestra; 7:40, orchestra; 8, Dayton Radio show; 10, Latonia Melody Boys; 10:20, Al Kirchner and "Pep" Golden; 10:40, Irene Downing and Tommy Reynolds; 12:15 a. m., Crosley Pups.

WMAQ. Chicago, Ill. (447.5m-670kc), 6:50 p. m., orchestra; 8:20, Carl Craven, tenor; 8:50, WMAQ players; 9:50, WMAQ air line.

WMBB, Chicago, Ill. (250m-1200kc), 7-8 p. m., Russian selections; 9-11, orchestra; The Lombards, John Stamford; Sandy McTavish.

WOK, Chicago, Ill. (217.3m-1380kc), 6-8 p. m., Tip Top Inn string ensemble concert; 8-12, Capitol theater organ; Katz and his Kittens' orchestra; Midway Garden orchestra; Tearney's Town club orchestra; Capitol theater program.

WORD, Batavia, Ill. (275.1m-1090kc), 8 p. m., musical program; 9, musical program.

WQJ, Chicago, Ill. (447.5m-670kc). 7-8 p. m., Rainbo Gardens orchestra; artists; 10-2, Rainbo Gardens orchestra; Lamb Sisters; Sylvian Four; Goldie Gordon.

WRC, Washington, D. C. (468.5m-640kc), 7:30 p. m., U. S. Marine band, WJZ, WGY; 9-10, WJZ; 10, Hotel Mayflower orchestra.

WRVA, Richmond, Va. (256.3m-1170kc), 8:45-12:45 p. m., Hopewell night.

WSAI, Cincinnati, O. (325.9m-920kc), 6:45 p. m., chime concert; 7-10 p. m., WEAF.

WSWS, Chicago, Ill. (275m-1090kc), 7-8 p. m., "The Magic Crystal"; 10-11, "On the Road to Mandalay," John Clark production; 12-1, witching hour.

WTAM, Cleveland, O. (389.4m-770kc), 6 p. m., Hollenden hotel orchestra; 7:30, WEAF; 8, WEAF; 9, studio program; 11, Emerson Gill and his Bamboo Garden orchestra.

WTIC, Hartford, Conn. (475.9m-630kc), 7 p. m., popular period; 7:30, James Butler, banjoist; 8, Foran-to Melody Makers and Manchester quartet; 9, Colt Park Municipal dance orchestra; 9:30, Emil Heimberger's Hotel Bond dance orchestra.

WWJ. Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7, WEAF.

Central Standard Time Stations

KFNF, Shenandoah, Ia. (461.3m-650kc), 7 p. m., Violet Siewers orchestra.

KLDS, Independence, Mo. (440.9m-680kc). 8 p. m., studio program.

KPRC, Houston, Tex. (296.9m-1010kc), 8:30 p. m., "Tex" Lynne, whistler; 8:45, Jane Cammack, soprano; 9, Southern Pacific Lines band.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10-9:45 p. m., opera classics. New Arlington hotel orchestra.

KWWG, Brownsville, Tex. (278m-1080kc), 8:30 p. m., Spanish songs, Senorita Margarita Aguerre; 8:45, Alfredo Laurents, violinist; 9, Mrs. Harry Faulk, soprano; Mrs. Fritz Schmidt, contralto; Arthur Neale, Frank Gilmore; 12:01, dance program.

WAMD, Minneapolis, Minn. (244m-1230kc), 6 p. m., Radisson hotel orchestra; 10, organ recital.

WBAP, Ft. Worth, Tex. (475.9m-630kc), 9:30-11 p. m., Davis octet; 11-12, novelty mandolin and guitar program, Southern Melody Boys.

WCBD, Zion, Ill. (344.6m-870kc), 9 p. m., cornet quartet; Mrs. Veatrice Beem, soprano; Mray Wedekind; E. B. Paxton, baritone.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 7-9 p. m., WEAF.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., School of the Air; 11:45-1 a. m., Nighthawk frolic; Charlie Straight's Brunswick orchestra; Earl Coleman's orchestra; Ken Widenor, organist.

WFAA, Dallas, Tex. (475.9m-630kc), 6:30-7:30 p. m., Jimmy Joys' Baker hotel orchestra; 8:30-9:30, Little symphony orchestra.

WHAD, Milwaukee, Wis. (275m-1090kc), 6:10 p. m., Hotel Wisconsin Badger room orchestra; 8:30, talk, Rambler.

WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., studio concert.

WHO, Des Moines, Ia. (526m-570kc), 7:30-8 p. m., Philbreck and his Younker tea-room orchestra; 8-9, Bankers Life trio; 11-12, dance program.

WMC, Memphis. Tenn. (499.7m-600kc), 8:30 p. m., vocal ensemble, Paola Grosso, director.

WOAI, San Antonio, Tex. (394.5m-760kc), 8:30 p. m., Mistletoe Melody Maids.

WOAW, Omaha, Neb. (526m-570kc), 6:50 p. m., orchestra; 9, classical.

WOC, Davenport, Ia. (483.6m-620kc), 5:45-6 p. m., chimes concert; 6:30-9, WEAF; 9-9:30, Moline Plowboys.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., concert; 10:45, orchestra.

Mountain Standard Time Stations

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Radio Boys' dance orchestra, George O'Hara, soloist; 8-9, KFI drama hour; 9-10, program of Hawaiian music; 10-11, popular program.

KFWB, Hollywood, Calif. (252m-1190kc), 8-9 p. m., McGavin Bros. Bakeries; 9-10, program, Chapman's Ice Cream; 10-11, Warner Brothers frolic.

KGO, Oakland, Calif. (361.2m-830kc), 6-6:55 p. m., Bem's Little symphony orchestra; 8-9, Olympic glee club; Valencia trio; 9-12, Phil Lampkin's Musical Bears.

KGW, Portland, Ore. (491-5m-610kc), 6-7 p. m., dinner concert; 9-10, vaudeville.

KHJ, Los Angeles, Calif. (405.2m-740kc), 8-10 p. m., Zoellner string quartet, Harriet Andrews, soprano, and others.

KNX, Hollywood, Calif. (336.9m-890kc), 7-8 p. m., Carthay Circle theater organ; 8-9, program, Rigali and Veselich; 9-10, studio program; 10-11, feature program; 11-12, Ambassador hotel dance orchestra.

KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7 p. m., States restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel orchestra; 8-9, studio program; 9-10, studio program; 10-11, Mandarin cafe dance orchestra.

KPSN, Pasadena, Calif. (315.6m-950kc), 8-9 p. m., musical program.

KTAB, Oakland, Calif. (302.8m-990kc), 8-10 p. m., KTAB quartet.

Friday, September 17

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
8 p. m.	7	6	5	4

WGY (379.5m-790kc), Yom Kippur.

Atlantic	Eastern	Central	Mountain	Pacific
9 p.m.	8	7	6	5

WBAL (246m-1220kc), Lilliam Howard Mann, contralto.
WEEI (348.6m-860kc), Neapolitan Girls quintet.

9:30	8:30	7:30	6:30	5:30

WGR (319m-940kc), Edna Zahm and friends.

10	9	8	7	6

WLS (344.6m-870kc), Cyrena Van Gordon, contralto.
WMAQ (447.5m-760kc), Yom Kippur, Jewish services, Medinah temple.
WOO (508.2m-590kc), Sesquicentennial concert.

10:30	9:30	8:30	7:30	6:30

WCCO (416.4m-720kc), Twin City string quartet.
WMC (399.8m-750kc), Memphis Plectrum orchestra.

1 a. m.	12	11	10	9

KFWB (252m-1190kc), Peggy Mathews, blues singers.
WBAP (475.9m-630kc), Velma Dean, blues singer.

2:30	1:30	12:30	11:30	10:30

KGW (491.5m-610kc), Hoot Owls.

Friday, silent night for: KLDS, KPRC, KPSN, KWWG, WBBR, WCAD, WCBD, WGBS, WIP, WJAZ, WKRC, WLIT, WLW, WLWL, WOR, WREO, WRVA, WSAI, WSMB, WSUI, WTAM.

Atlantic or Eastern Daylight Saving Time Stations

WAHG, Richmond Hill, N. Y. (315.6m-950kc), 7:30 p. m., Edna Bockstein, pianist; 7:45, Gertrude Bardusch, contralto; 8, Albert Reiss, vibraphone; 8:15, William Helfenstein, baritone; 8:30, Radio World's Fair; 9, Constance Menkel, Lithuanian soprano; Helen DeWitt Jacobs, violinist; Walter Leary, baritone; 10, Radio World's Fair.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30 p. m., Snellenburg instrumental trio; 8, Barry O'Moore, Irish tenor; 8:30, Anita Lyons, songs; 8:45, Miss Bambina, piano accordion; 9, Regina Crooners; 9:15, Sam Gold, Murmuring baritone; 10, Myer's Musical Architects.

WEAF, New York, N. Y. (491.5m-610kc), 6 p. m., dinner music; 7, Meyer Davis' Park Lane orchestra; 8:30, Wandering minstrels, WCAE; 9, La France orchestra, WEEI, WGR, WOO; 10, Whittall Anglo-Persians, WEEI, WRC, WTAG, WJAR, WCAE, WOO, WOC, WGR, WDAF, WCCO, WWJ, KSD, WTAM, WCSH, WGN; 10:30, Jack Albin and his orchestra; 11-12, Pelham Health Inn orchestra.

WEBJ, New York, N. Y. (272.6m-1100kc), 7 p. m., Irma Fosdick Gray, soprano; Bob Langston, tenor; 7:30, Knickerbocker Grill orchestra; 8, Brennan and Adams; 8:15, Sara Case, pianist; 8:30, Luna's Marine Band.

WEEI, Boston, Mass. (348.6m-860kc), 7:30 p. m., Whiting's Four Merry Milkmen; 8, musicale; 8:30, Neapolitan Girls' quintet; 9, WEAF.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:45 p. m., Adelphia dance orchestra.

WHN, New York, N. Y. (361.2m-830kc), 8-8:30 p. m., Treasureland Home Owners ensemble; 9-9:30, orchestra; 9:30-11, music; 11-11:30, Strand Roof orchestra; 11:30-12, Roseland dance orchestra; 12-12:30, Silver Slipper orchestra.

WJAR, Providence, R. I. (485.1m-618kc), 8:35 p. m., musicale; 10, WEAF.

WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., George Olsen's Pennsylvania hotel orchestra; 9, Sundial Shoe serenaders, Bonnie Laddies, 10:30, Hotel Belleclaire Tower orchestra.

WLIT, Philadelphia, Pa. (394.5m-760kc), 8 p. m., Arcadia cafe concert orchestra; 9, Schickerling string quartet; 10, Arcadia cafe dance orchestra; 11, Freshman Masterpiece hour.

WMAK, Buffalo, N. Y. (265.3m-1130kc), 7:30-8:05 p. m., WGY orchestra; 8:15-10:30, WGY players.

WMCA, New York, N. Y. (340.7m-880kc), 6:30 p. m., McAlpin orchestra; 7:30, Monte Carlo by the Sea orchestra; 8, Midland Beach orchestra; 8:45, Broadway Association orchestra; 9:30, Klein's serenading shoemakers.

WNYC, New York, N. Y. (526m-570kc), 6 p. m., piano selections.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Hotel Sylvania dance orchestra; 8, WOO orchestra; 9, La France orchestra; 9:30, Fox theater program; 10, Sesquicentennial concert; 10:30, Sam Brown's dance orchestra.

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the Third Annua
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Astor, New York
An extensive pr
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Reinald Werrenra
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President Charles
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The Ararat Shri
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Wednesday, S

Headliner

Atlantic Eastern Cent
7 p.m. 6 5
WHN, WRNY, WLWL,
WBOQ, Third Annual
7:30 6:30 5:
WAHG, (315.6m-950kc),
quet.
7:35 6:35 5:
WNYC (526m-570kc), Ra
8 7 6
WOR (405.2m-740kc),
WGY, WBZ, Radio In
9 8 7
KDKA (309.1m-970kc), L
WEAF, WEEI, WJAR,
WCSH, WTAM, WWJ, KS
WCAE, WCCO, WTIC, WGN,
WHO, Radio Industries program.
9:30 8:30 7:30 6:3
KMOX (280.2m-1070kc), Fantasia,
11 10 9 8
WDAF (365.6m-820kc), Ararat Sh
chanters.
11:25 10:25 9:35 8:2
KOA (322.4m-930kc), Minstrel playe

Wednesday, silent night for: KGO, K
KOIL, KPSN, KTAB, KWWG, W
WBAP, WBBR, WCBD, WFAA, W
WGCP, WHAR, WIP, WJAZ, WMC,
WSUI.

Atlantic or Eastern Daylig Time Stations

CNRO, Ottawa, Can. (434.5m-690kc), 9
Canadian program, Charles Laroch
Chateau Laurier dance orchestra.
WAHG, Richmond Hill, N. Y. (315.6
p. m., special program, Third Annua
tries banquet.
WCAU, Philadelphia, Pa. (277.6m-1080k
Snellenburg recital; 8, Melrose concert
recital; 9, Minerva Rose Chadwin,
Senator Hassenpfeffer; 9:45, Frank
songs; 10, Bittong's Cheer-Up club.
WEAF, New York, N. Y. (491.5m-61
Hotel Waldorf-Astoria; 7, synagogue
U. S. Army band, WEEI, WTAG,
WCAE, WWJ, WSAI, WRC; 8:30, D
octet, WOO, WJAR, WCAE,
WTAM, WTAG, WRC; 9, Third An
dustries banquet.
WEBJ, New York, N. Y. (272.6m-110
Karl Weiss Peasant band; 8:40, Je
entertainer; Sara Turits, soprano; 9:
Sigmund Brunislav, tenor; 9:45, Will
accordionist.
WEEI, Boston, Mass. (348.6m-860kc
WEAF.
WFI, Philadelphia, Pa. (394.5m-760kc)
Hotel Adelphia dance orchestra.
WHN, New York, N. Y. (361.2m-83
Radio banquet.
WJAR, Providence, R. I. (485.1m-618.
U. S. Army band concert; 8:30, Davi
octet; 9, WEAF.
WJZ, New York, N. Y. (454.3m-660kc), 7:05 p.
Hotel Madison concert orchestra; 8, Imperial Im
9, Radio banquet.
WLIT, Philadelphia, Pa. (394.5m-760kc), 8 p. m.,
Arcadia cafe concert orchestra; 10, Arcadia cafe
dance orchestra.
WMAK, Buffalo, N. Y. (265.3m-1130kc). 7:30 p. m.,
Eastman theater musicale; 8:05, musicale; 9-10,
musical program.
WMCA, New York, N. Y. (340.7m-880kc), 7 p. m.,
Radio banquet.
WNYC, New York, N. Y. (526m-570kc), 7:35 p. m.,
Radio banquet.
WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m.,
Hotel Sylvania orchestra; 8:30, Davis Saxophone
octet; 9, Ipana Hour; 10, Fox theater studio pro-
gram; 10:30, Sam Brown's dance orchestra.
WOR, Newark. N. J. (405.2m-740kc), 8 p. m., Radio
banquet.

Eastern Standard or Central Daylight Saving Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 5:30 p. m.,
dinner concert, Flotilla club; 8, Lefridge trio; Mar-
guerite Riley, soprano.
KYW, Chicago, Ill. (535.4m-560kc), 6:30 p. m., Joska
DeBabary and his orchestra; Bittic-Benson orches-
WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chi-
cago theater organ; 8:30, Whitney trio; 9:50,
WMAQ air line.
WMBB, Chicago, Ill. (250m-1200kc), 7-8 p. m.,
Trianon duo; Charlotte Johnson, soprano; Monte
Blum, tenor; John Everett, baritone; Harold Thorpe,
pianist; 9-11, Trianon orchestra; Grace Frost, whis-
tler; Myra Mills, pianist; Borden Brothers; John
Stamford.
WOK, Chicago, Ill. (217.3m-1380kc), 6-8 p. m., Tip
Top Inn string ensemble concert; 8-12, Capitol the-
ater organ; Katz and his Kittens' orchestra; Mid-
way Garden orchestra; Tearney's Town club
orchestra; Capitol theater program.
WORD, Batavia, Ill. (275.1m-1090kc), 7 p. m., pro-
gram; 7:45, reading; 9, I. B. S. A. choral singers.
WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., dinner
concert; 10-2, Joe Rudolph and his Rainbo Gardens
orchestra; Rainbo Gaieties.
WRC, Washington, D. C. (468.5m-640kc), 5 p. m.,
U. S. Marine band; 7:30, WEAF; 8, WEAF.
WRVA, Richmond, Va. (256.3m-1170kc), 8:45 p. m.,
folk songs with Melodian; 9:15, Melodian and fid-
dle; 10, organ recital, quartet, Shepherd Webb.
WHO, Des Moines, Ia. (526m-570kc), 6-7 p. m., Bank-
ers Life Little symphony orchestra; Myrtle Wil-
liams, soprano; 7-8, Paul Christianson's Hotel Fort
Des Moines orchestra; 8, WEAF.
WOAI, San Antonio, Tex. (394.5m-760kc), 8:30 p. m.,
Delaware Punch program.
WOC, Davenport, Ia. (483.6m-620kc), 4-4:45 p. m.,
Bernard Reagan, baritone; Jeanne de Vogelaere;
Jack Wilman, tenor; 7-8:30, WEAF; 8, WEAF.
WOS, Jefferson City, Mo. (440.9m-680kc), 8 p. m.,
L. F. Sullens, accordionist; Mrs. Vee Latty.
WSB, Atlanta, Ga. (428.3m-700kc), 10:45 p. m., Peer-
less entertainers.
WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m.,
dinner concert, trio; 8, program; 10, studio program.

Mountain Standard Time Stations

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown
Palace string orchestra; 8:15, football; 8:25, Min-
strel show.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7 p. m., West-
erland Trio; 7:30, Nick Harris story; 8-9, program,
California Petroleum corporation Calpet trio; 9-10,
KPOO, KMOX, KOA, KOB, WAHG, WAMD, WEAO,
WEBJ, WGBF, WHAD, WMAK, WOOD, WOR,
WOS, WSM, WSUI, WTAM.

Atlantic or Eastern Daylight Saving Time Stations

CNRM, Montreal, Can. (410.7m-730kc), 9 p. m., night
with Majesty's ship "Calcutta."
WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:30 p. m.,
Cathay Garden orchestra; 7:30, Snellenburg sym-
phony orchestra; 8, Saddler's Plantation serenaders;
8:30, recital; 8:45, Getz Go-Getters; 9, Carolyn
Thomas, soprano; 9:30, Musical Chefs; 9:45, Pro-
fessor Doolittle; 10, Hood Boys.
WEAF, New York, N. Y. (491.5m-610kc), 6 p. m.,
dinner music; 7, mid-week hymn sing; 7:30, Meyer
Davis' orchestra; 8, Serenaders, WEEI, WFI, WOC,
WSAI, WWJ, WGR, WTAM, WCAE; 9, orchestra
concert, Frances Sebel, soprano, WEEI, WFI,
WOC, WSAI, WWJ, WGR, WTAM; 10, Cliquot
club Eskimos, WEEI, WJAR, WTAG, WFI, WCAE,
WSAI, WTAM, WGR, WWJ, WOC, WCCO, KSD,
WGN; 11, Silvertown Cord orchestra, WEEI, WFI,

LARGEST TIE-UP IN HISTORY BROADCASTS RADIO INDUSTRIES BANQUET

HIGH LIGHTS OF THE AIR

THIRTY-THREE stations, one of the largest tie-ups ever attempted in Radio history, will broadcast part or all of the program of the Third Annual Radio Industries banquet, to be held at the Hotel Astor, New York, on September 15. An extensive program starting at 7:30 p. m. Eastern daylight saving time and lasting until 1:45 a. m. will feature many famous speakers and musical favorites. Mary Lewis and Reinald Werrenrath are expected to sing the "Barcarolle" together. Vice President Charles G. Dawes will be the speaker.

The Ararat Shrine Temple chanters, under the direction of Clarence D. Sears, will return to WDAF on Wednesday night, September 15, at 9 o'clock. This will be the chanters' first appearance before the microphone of WDAF since last May. Mr. Sears has promised programs that should please the most critical audience and, judging from the mail received by the chanters last year, the listeners of WDAF were well pleased. The chanters are scheduled for one concert each month up to and including April, 1927.

How many laughs to the wavelength is a poser to be determined in a microphone experiment conducted by Stanley Hall over KOA, Denver. Can the voice, unaided by acrobatic antics, in itself produce streams of chuckles and side-aching laughs? Formerly of the Keith and Orpheum circuits, and known coast to coast as "the man of a million stories," Mr. Hall is chalked up for a thirty minute novelty program, "Wit and Humor of the Age," every Tuesday evening at 8:30 p. m. Mountain time.

The Rally Day services of the Epworth league, an organization of young people of the Methodist Episcopal church throughout the country, will be given on Sunday, September 19. The services to be given in Pittsburgh will be broadcast by Westinghouse Station KDKA and those to be held in Chicago will go on the air from KYW. KDKA will go on the air at 4 p. m. Eastern standard time. The program from Chicago will be broadcast at 4 p. m. Central standard time.

A Radio style show where the models clothed in their fur cloaks and beautiful gowns will depend upon the brilliant descriptions of the announcer will be the feature for the ladies in the WLIT broadcast, Wednesday, September 22. This feature is under the auspices of the National Association of Retail Clothiers and Furnishers.

The great Dempsey-Tunney fight is scheduled for September 23 and will go out upon the ether from all stations connected with the Associated Press. The time has not been definitely set, but the fight will probably take place between 4 and 5 o'clock Eastern standard time.

Voices never before heard over the Radio will interest listeners Thursday, September 30, from KFI, Los Angeles. A short playlet will be given, the cast of which will be composed of screen artists. Tune in and see if you would know your favorites by voice.

RESPONSIBLE for a program which millions will listen to are the members, above, of the entertainment committee for the Third Annual Radio Industries Banquet which is to be broadcast by thirty-three stations. In the picture are Frank Spring, WEAF; Paul Stacy, Eveready hour; C. P. Popenoe, WJZ; Maj. J. Andrew White, Jack Adams of Wolfsohn Musical bureau. Jeanette Hart Plotz, left, is a soprano who recently made her debut from Station WMCA and is now appearing regularly on their programs. She has the distinction of having sung before President Machado of Cuba. Her training under Walter Damrosch, Allexandre Bonce and Franz Proschowsky has well-equipped her to appear before large Radio audiences. Marie Branton, right, is the pianist whose solos have pleased fans listening to WGHB, Clearwater.

FARMERS' PROGRAM INDEX

Farmer Dinner Concerts

Daily Except Sunday

CENTRAL TIME
KFNF, 12:15-1:35 p. m.
KMA, 11:30-12:30
KSO, 12:30-1:30 p. m.

Sunday

Atlantic Eastern Central Mountain Pacific
4:30 p. m. 3:30 2:30 1:30 12:30
WFAA (475.9m-630kc), Sunday hour for farmers.

Monday

Atlantic Eastern Central Mountain Pacific
12 m. 11 10 9 8
KMMJ (228.9m-1310kc), Poultry talks.
2:13 1:13 12:13 11:13 10:13
WHO (526m-570kc), Radio farm school.
2:30 p. m. 1:30 12:30 11:30 10:30
KMA (461.3m-650kc), Farm talk, Agricultural aid.
WMAQ (447.5m-670kc), Prairie Farmer farm talks.
2:45 1:45 12:45 11:45 10:45
WOI (270.1m-1110kc), Questions and answers on Horticulture.
8:45 7:45 6:45 5:45 4:45
WSM (282.8m-1060kc), Poultry talks.
9 8 7 6 5
WOS (440.9m-680kc), Livestock questions and answers.
9:30 8:30 7:30 6:30 5:30
KUOA (299.8m-1010kc), Sept. 20, 27, Farm courses.
WMC (499.7m-600kc), Farm talk.
10 9 8 7 6
KFNF (461.3m-650kc), Poultry talk.
10:30 9:30 8:30 7:30 6:30
WFAA (475.9m-630kc), Sears-Roebuck program.
12:05a.m. 11:05 10:05 9:05 8:05
KGO (361.2m-830kc), Agricultural Outlook.

Tuesday

Atlantic Eastern Central Mountain Pacific
12 m. 11 10 9 8
KMMJ (228.9m-1310kc), Poultry talks.
2:13 p.m. 1:13 12:13 11:13 [illegible]
WHO (526-570kc), Radio farm school.
2:15 1:15 12:15 11:15 10:15
WCCO (416.4m-720kc), Farm program.
2:30 1:30 12:30 11:30 10:30
KMA (461.3m-650kc), Agricultural aid.
WMAQ (447.5m-670kc), Prairie Farmer farm talks.
2:45 1:45 12:45 11:45 10:45
WOI (270m-1110kc), "Animal Husbandry."
7:45 6:45 5:45 4:45 3:45
WGY (379.5m-790kc), Agricultural program.
9 8 7 6 5
KYW (535.4m-560kc), American Farm Bureau Federation.
10:30 9:30 8:30 7:30 6:30
KOA (322.4m-930kc), Farm question box.
11:10 10:10 9:10 8:10 7:10
WOAW (526-570kc), Poultry, pig troubles.

Wednesday

Atlantic Eastern Central Mountain Pacific
1:45p.m. 12:45 11:45 10:45 9:45
WMAQ (447.5m-670kc), Prairie Farmer farm talks.
2:13 1:13 12:13 11:13 10:13
WHO (526-570kc), Radio farm school.
2:30 1:30 12:30 11:30 10:30
KMA (461.3m-650kc), Agricultural aid.
WFAA (475.9m-630kc), Sears-Roebuck Agricultural program.
2:45 1:45 12:45 11:45 10:45
WOI (270.1m-1110kc), Poultry husbandry.
9 8 7 6 5
WOS (440.9m-680kc), Evening market hour, poultry questions and answers.

Thursday

Atlantic Eastern Central Mountain Pacific
2:13pm 1:13 12:13 11:13 10:13
WHO (526m-570kc), Radio farm school.
2:15 1:15 12:15 11:15 10:15
WOI (270m-1110kc), Farm crops.
2:30 1:30 12:30 11:30 10:30
KMA (461.3m-650kc), Agricultural aid.
WMAQ (447.5m-670kc), Prairie Farmer farm talks.
9:30 8:30 7:30 6:30 5:30
WOI (270m-1110kc), Talk.
9:33 8:33 7:33 6:33 5:33
KYW (535.4m-560kc), American Farm bureau.
10:30 9:30 8:30 7:30 6:30
KOA (322.4m-930kc), Farm question box.

Friday

Atlantic Eastern Central Mountain Pacific
2:13pm 1:13 12:13 11:13 10:13
WHO (526m-570kc), Radio farm school.
[illegible] 1:15 12:15 11:15 10:15
WCCO (416.4m-720kc), Farmers' program.
2:30 1:30 12:30 11:30 [illegible]
KMA (461.3m-650kc), Agricultural aid.
WMAQ (447.5m-670kc), Prairie Farmer farm talks.
2:45 1:45 12:45 11:45 10:45
WOI (270m-1110kc), Agricultural Economics.
9 8 7 6 5
WOS (440.9m-680kc), Evening Market hour. Dairy questions and answers.
9:30 8:30 7:30 6:30 5:30
WOC (483.6m-620kc), Question box.

Saturday

Atlantic Eastern Central Mountain Pacific
2 p. m. 1 12 n. 11 10
KPRC (296.9m-1010kc), Farmers' educational and musical program.
2:15 1:15 12:15 11:15 10:15
KSO (241.8m-1240kc), Farm talk.
2:30 1:30 12:30 11:30 [illegible]
KMA (461.3m-650kc), Agricultural aid.
2:45 1:45 12:45 11:45 10:45
WOI (270m-1110kc), Soils, questions and answers.
9 8 7 6 5
KDKA (309.1m-970kc), Farm program.

Wednesday, September 15

Headliners Today

Atlantic Eastern Central Mountain Pacific
7 p.m. 6 5 4 3
WHN, WRNY, WLWL, WFBH, WMCA, WNAB, WBOQ. Third Annual Radio Industries banquet.
7:30 6:30 5:30 4:30 3:30
WAHG, (315.6m-950kc), Radio Industries banquet.
7:35 6:35 5:35 4:35 3:35
WNYC (526m-570kc), Radio Industries program.
8 7 6 5 4
WOR (405.2m-740kc), WNAC, WEAN, WJZ, WGY, WBZ, Radio Industries.
9 8 7 6 5
KDKA (309.1m-970kc), Lefridge trio.
WEAF, WEEI, WJAR, WGR, WOO, WRC, WCSH, WTAM, WWJ, KSD, WOC, WTAG, WCAE, WCCO, WTIC, WGN, WLW, WODA, WHO, Radio Industries program.
9:30 8:30 7:30 6:30 5:30
KMOX (280.2m-1070kc), Fantasia, "Autumnal."
11 10 9 8 7
WDAF (365.6m-820kc), Ararat Shrine Temple chanters.
11:25 10:25 9:35 8:25 7:25
KOA (322.4m-930kc), Minstrel players.

Wednesday, silent night for: KGO, KLDS, KMMJ, KOIL, KPSN, KTAB, KWWG, WABQ, WBAL, WBAP, WBBR, WCBD, WFAA, WGBF, WGBS, WGCP, WHAR, WIP, WJAZ, WMC, WOAW, WPG, WSUI.

Atlantic or Eastern Daylight Saving Time Stations

CNRO, Ottawa, Can. (434.5m-690kc), 9 p. m., French Canadian program, Charles Laroche's orchestra; Chateau Laurier dance orchestra.
WAHG, Richmond Hill, N. Y. (315.6m-950kc), 7:30 p. m., special program, Third Annual Radio Industries banquet.
WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30 p. m., Snellenburg recital; 8, Melrose concert quartet; 8:30, recital; 9, Minerva Rose Chadwin, soprano; 9:30, Senator Hassenpfeffer; 9:45, Frank Cook, old-time songs; 10, Bittong's Cheer-Up club.
WEAF, New York, N. Y. (491.5m-610kc), 6 p. m., Hotel Waldorf-Astoria; 7, synagogue service; 7:30, U. S. Army band, WEEI, WTAG, WJAR, WGR, WCAE, WWJ, WSAI, WRC; 8:30, Davis Saxophone octet, WOO, WJAR, WCAE, WSAI, WEEI, WTAM, WTAG, WRC; 9, Third Annual Radio Industries banquet.
WEBJ, New York, N. Y. (272.6m-1100kc), 8 p. m., Karl Weiss Peasant band; 8:40, Jerry Alexander, entertainer; Sara Turits, soprano, 9:10, duets; 9:30, Sigmund Brunislav, tenor; 9:45, William Bisignano, accordionist.
WEEI, Boston, Mass. (348.6m-860kc), 8 p. m., WEAF.
WFI, Philadelphia, Pa. (394.5m-760kc), 6:45 p. m., Hotel Adelphia dance orchestra.
WHN, New York, N. Y. (361.2m-830kc), 7 p. m., Radio banquet.
WJAR, Providence, R. I. (485.1m-618kc), 8 p. m., U. S. Army band concert; 8:30, Davis Saxophone octet; 9, WEAF.
WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Hotel Madison concert orchestra; 8, Imperial Imps; 9, Radio banquet.
WLIT, Philadelphia, Pa. (394.5m-760kc), 8 p. m., Arcadia cafe concert orchestra; 10, Arcadia cafe dance orchestra.
WMAK, Buffalo, N. Y. (265.3m-1130kc), 7:30 p. m., Eastman theater musicale; 8:05, musicale; 9-10, musical program.
WMCA, New York, N. Y. (340.7m-880kc), 7 p. m., Radio banquet.
WNYC, New York, N. Y. (526m-570kc), 7:35 p. m., Radio banquet.
WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Hotel Sylvania orchestra; 8:30, Davis Saxophone octet; 9, Jean's Hour; 10, Fox theater studio program; 10:30, Sam Brown's dance orchestra.
WOR, Newark, N. J. (405.2m-740kc), 8 p. m., Radio banquet.

Eastern Standard or Central Daylight Saving Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 5:30 p. m., dinner concert; Elizabeth [illegible], Lefridge trio; Marguerite Riley, soprano.
KYW, Chicago, Ill. (535.4m-560kc), 6:30 p. m., Jocka DeBoury and his orchestra; Bittie-Benson orchestra; 7, American hour; 9-10:30, classical concert, Commonwealth Edison company; 10:30-12 midnight, Congress carnival.
PWX, Havana, Cuba (400m-750kc), 8-10 p. m., Military band music.
WBBM, Chicago, Ill. (225.4m-1330kc), 5:15-6 p. m., recital, Ellie Hanson, organist, 9-10, Harmony Time, staff artists; 12, The Nutty club.
WBZ, Springfield, Mass. (333.1m-900kc), 7:30 p. m., Radio Manufacturing association dinner; 10.05, dinner.
WCFL, Chicago, Ill. (491.5m-610kc), 6:30-7:30 p. m., Florentine string trio; 7:30-8:30, Arthur Billquist, baritone; Harry Anderson, tenor; 8:30-10, Hickey and Johnson; Joe Warner; Marie Wright; 10-1, Alamo cafe orchestra.
WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., Goldkette ensemble; 8-10, music.
WDBO, Winter Park, Fla. (239.9m-1200kc), 8:15 p. m., Mrs. B. Harrison Blixt, soprano; Mrs. Carrol D. Stowe, pianist; 9, Harry Day, pianist; Mildred Hodges, contralto.
WEBH, Chicago, Ill. (370.2m-810kc), 7-8 p. m., Edgewater Beach hotel concert orchestra; Florence Behrend, soloist; 9-9.45, Edgewater Beach dance orchestra; Metropolitan harp trio; songs, F. Behrend; 11-12, dance orchestra; songs, Joe Verges and Paul Small; saxophone quartet; songs, Frank Greif; 12-12:30 a. m., Edgewater Beach hotel orchestra.
WGHB, Clearwater, Fla. (266m-1130kc), 8:30-10 p. m., Methodist church choir.
WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert, Hotel Tuller; 8:30-9, Little Symphony orchestra; 9-10, WGHP ensemble.
WGN, Chicago, Ill. (302.8m-990kc), 6:45-7 p. m., Drake concert ensemble; Blackstone string quintet; 8:30-9, musicale; 9-10, musicale; 10-10.10, Sam 'n' Henry; 10:10-10:20, Music Box; 10:20-10:30, studio program; 10:30-12:30 a. m., Pepper party.
WGR, Buffalo, N. Y. (319m-940kc), 6:30-7:30 p. m., Gospel Melodists; 8:30-9, J. Blosek, pianist; 9-11:45, WEAF.
WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., Eastman theater orchestra; 7:30, WJZ.
WHT, Chicago, Ill. (399.8m-750kc), 7-8:30, Al Carney, organist; Riverview Melody Masters; 8:45-10:15, (238m-1260kc), Helen Rauh, organist; Stuart Dawson; 10:30-1, (399.8m-750kc), Al and Pat; Riverview orchestra.
WJAZ, Chicago, Ill. (329.5m-910kc), 9-12 midnight, Earl Hoffman's Chez Pierre orchestra; program for Captain Donald MacMillen; Alexander Nakuten.
WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Goldkette's Petite symphony orchestra, soloists; 7:45, Good Will Oakland and Chief Pontiac; 8, concert; 11, Murphy Brothers' organist; 12, Merry Old Chief and Jewett Jesters.
WKRC, Cincinnati, Ohio (325.9m-920kc), 6 p. m., Allah orchestra, 8.15, Hotel Alms orchestra; 8:30, Howard Hafford, tenor; 9, Everfresh hour; 12, Lookout house orchestra.
WLIB, Chicago, Ill. (302.8m-990kc), 7-7:05 p. m., Million sing; 7.05-7:15, Old-Fashioned Almanack; 7:15-7:30, dinner music; 7:30-7.50, Pattison Coates, baritone; Edward Barry, pianist; 7:50-8, Auld Sandy; 8-8:30, WEAF; 12:30-1 a. m., Ambrose Larsen, organist.
WLS, Chicago, Ill. (344.6m-870kc), 6:30 p. m., organ concert, Al Melgard; 6:45, Maurie Sherman's College Inn orchestra; 7.20, Rose Sherman, violinist; Marie Ludwig, harpist; 7:30, organ concert, Ralph Emerson; 8, Surprise time; 8:10, Sherman's College Inn orchestra; 8:30, Ford and Glenn; 9, WLS trio, picture concert; 9.30, Fulton M. E. church choir; 10, popular music; 11, special program.
WLW, Cincinnati, O. (422.3m-710kc), 7 p. m., Robert Visconti's orchestra; 8, WEAF; 11, Pink of programs.
WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 8:30, Whitney trio; 9:50, WMAQ air line.
WMBB, Chicago, Ill. (250m-1200kc), 7-8 p. m., Trianon duo; Charlotte Johnson, soprano; Monte Blum, tenor; John Everett, baritone; Harold Thorpe, pianist; 9-11, Trianon orchestra; Grace Frost, whistler; Myra Mills, pianist; Borden Brothers; John Stamford.
WOK, Chicago, Ill. (217.3m-1380kc), 6-8 p. m., Tip Top Inn string ensemble concert; 8-12, Capitol theater organ; Katz and his Kittens' orchestra; Midway Garden orchestra; Tearney's Town club orchestra; Capitol theater program.
WORD, Batavia, Ill. (275.1m-1090kc), 7 p. m., program; 7:45, reading; 9, I. B. S. A. choral singers.
WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., dinner concert; 10-2, Joe Rudolph and his Rainbo Gardens orchestra; Rainbo Gaieties.
WRC, Washington, D. C. (468.5m-640kc), 5 p. m., U. S. Marine band; 7.30, WEAF; 8, WEAF.
WRVA, Richmond, Va. (256.3m-1170kc), 8:45 p. m., folk songs with Melodian; 9.15, Melodian and fiddle; 10, organ recital, quartet, Shepherd Webb.
WSAI, Cincinnati, O. (325.9m-920kc), 7:30 p. m., WEAF; 10, string quartet.
WSWS, Chicago, Ill. (275m-1090kc), 6-7 p. m., classical program; 8-9, Zola Haynes, Hugh Aspinwall, reader; Georgia Gray; orchestra; Henri Therrien, tenor; 10-11, Jack Goodwin, ballads; 12-1, witching hour.
WTAM, Cleveland O. (389.4m-770kc), 6:15 p. m., Hotel Cleveland orchestra; 7:30, WEAF; 8, WEAF.
WTIC, Hartford, Conn. (475.9m-630kc), 7:30 p. m., Bill Jones and his Capitol theater orchestra; 7:50, "Pickles," Olea M. Sands; 8, Radio Industries banquet.
WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7, WEAF; 7:30, Detroit News orchestra; 8, WEAF; 9, Detroit News orchestra.

Central Standard Time Stations

KFAB, Lincoln, Neb. (340.7m-880kc), 5:30-6:30 p. m., dinner concert; 8:30-10:30, old-time tune night.
KFNF, Shenandoah, Ia. (461.650kc), 7 p. m., concert, Henry Field Seed company.
KMA, Shenandoah, Ia. (461.3m-650kc), 9-11 p. m., de luxe mixed musical program.
KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., Jacquinot Jules; 7, Dr. J. L. Bischof, Alma Rotter; 8:30, KMOX Radio orchestra; 9, song cycle; 9:30-11:30, Varsity Troubadours; KMOX orchestra.
KPRC, Houston, Tex. (296.9m-1010kc), 7:30 p. m., Jack Willrich's dance orchestra; Virginia Willrich, accordionist; 8:15, Mrs. Robert E. Doty, vocalist; Elise Rosenthal, violinist; Mrs. E. P. McClanahan; 9:30, Leon Schiro, tenor.
KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9-10-10.30 p. m., Lon Chassy, violinist; 9:50, Lawson Reid, organist.
WAMD, Minneapolis, Minn. (244m-1230kc), 6 p. m., Radisson hotel orchestra; 7:15, classical hour; 10, Gould banjo club; 11, Skyrocket frolic; Golden Gate orchestra; Night Watchman and entertainers.
WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 7 p. m., WEAF.
WCOA, Pensacola, Fla. (222m-1350kc), 7-8:30 p. m., H. I. Seaburg, vocalist; John D. Thomas, pianist; Mrs. O. V. Calhoun, vocalist; Sybil McNair, pianist; Clara Frenkel, vocalist; Sevene Broadcasters.
WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., School of the Air; 8-9, popular musical program, Charlie Straight's orchestra; 9-10, Ararat Shrine chanters; 11:45-1 a. m., Nighthawk frolic.
WHAD, Milwaukee, Wis. (275m-1090kc), 6:10 p. m., Arthur Richter, organist; 11:30, organ.
WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., entertainers.
WHB, Kansas City, Mo. (365.6m-820kc), 7-8 p. m., entertainers.
WHO, Des Moines, Ia. (526m-570kc), 6-7 p. m., Bankers Life Little symphony orchestra; Myrtle Williams, soprano; 7-8, Paul Christianson's Hotel Fort Des Moines orchestra; 8, WEAF.
WOAI, San Antonio, Tex. (394.5m-760kc), 8:30 p. m., Delaware Punch program.
WOC, Davenport, Ia. (483.6m-620kc), 4-4:45 p. m., Bernard Reagan, baritone; Jeanne de Vogelaere; Jack Wilman, tenor; 7-8.30, WEAF; 8, WEAF.
WOS, Jefferson City, Mo. (440.9m-680kc), 8 p. m., L. F. Sullens, accordionist; Mrs. Vee Latty.
WSB, Atlanta, Ga. (428.3m-700kc), 10:45 p. m., Peerless entertainers.
WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., dinner concert, trio; 8, program; 10, studio program.

Mountain Standard Time Stations

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra, 8:15, football; 8:25, Minstrel show.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7 p. m., Westerland Trio; 7:30, Nick Harris story; 8:9, program, California Petroleum corporation Calpet trio; 9-10, Patrick-Marsh dance orchestra; 10-11, Charley Beauchamp, tenor.
KFWB, Hollywood, Calif. (252m-1190kc), 8-9 p. m., program, Velvetone Radio corporation; 9-10, Corduroy Tire Stores, Inc.; 10-11, Warner Brothers frolic.
KGO, Oakland, Calif. (361.2m-830kc), 8:30 p. m., Stanislas Bem's Little symphony orchestra; 9, Radio talk, Howard D. King.
KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 9-10, concert.
KHJ, Los Angeles, Calif. (405.2m-740kc), 8-10 p. m., Times de luxe presentation; 10-11, Jerry Grant and his orchestra.
KLX, Oakland, Calif. (508.2m-590kc), 6:30-7 p. m., Athens Athletic club orchestra; 8-9, educational program; 9-10, special program.
KNX, Hollywood, Calif. (336.9m-890kc), 7-8 p. m., feature program; 8-9, program, Security Trust and Savings bank; 9-10, program, El Sereno Country club; 10-11, Edwegater club dance orchestra; 11-12, Ambassador hotel dance orchestra.
KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7 p. m., States Restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel concert orchestra; 8-9, Atwater Kent artists; 9-10, Clift hotel dance orchestra; 10-11, States Restaurant orchestra.
KTAB, Oakland, Calif. (302.8m-990kc), 8-10 p. m., program.

Thursday, September 16

Headliners Today

Atlantic Eastern Central Mountain Pacific
9 p.m. 8 7 6 5
WLW (422.3m-710kc), Dayton Radio show.
10:30 9:30 8:30 7:30 6:30
KWWG (278m-1080kc), Spanish songs, Senorita Margarita Aguerre.
KPRC (296.9m-1010kc), "Tex" Lynne, whistler.
WMC (399.8m-750kc), Vesey ensemble.
11 10 9 8 7
WQJ (447.5m-670kc), Sylvian Four.
1 12 11 10 9
KGO (361.2m-830kc), Musical Bears.
KYW (535.4m-560kc), Opening and answering the mail.

Thursday, silent night for: KFAB, KFH, KFOA, KFUO, KMOX, KOA, KOB, WAHG, WAMD, WEAO, WEBJ, WGBF, WHAD, WMAK, WOOD, WOR, WOS, WSM, WSUI, WTAM.

Atlantic or Eastern Daylight Saving Time Stations

CNRM, Montreal, Can. (410.7m-730kc), 9 p. m., night with Majesty's ship "Calcutta."
WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:30 p. m., Cathay Garden orchestra; 7:30, Snellenburg symphony orchestra; 8, Saddler's Plantation serenaders; 8:30, recital; 8:45, Getz Go-Getters; 9, Carolyn Thomas, soprano; 9:30, Musical Chefs; 9:45, Professor Doolittle; 10, Hood Boys.
WEAF, New York, N. Y. (491.5m-610kc), 6 p. m., dinner music; 7, mid week hymn sing; 7:30, Meyer Davis' orchestra, 8, Serenaders, WEEI, WFI, WOC, WSAI, WWJ, WGR, WTAM, WCAE; 9, orchestra concert, Frances Sebel, soprano, WEEI, WFI, WOC, WSAI, WWJ, WGR, WTAM; 10, Cliquot club Eskimos, WEEI, WJAR, WTAG, WFI, WCAE, WSAI, WTAM, WGR, WWJ, WOC, WCCO, KSD, WGN; 11, Silvertown Cord orchestra, WEEI, WFI, WCAE, WWJ, WGR, WOC, WCCO, WTAG, KSD, WSAI, WJAR, WGN, WADC, WCSH; Greenwich Village Inn orchestra.

DANCING
Central Time

Saturday

9, Webb, Wjaz, Wmbb, Wnyc, Wrep; 9:10, Kths, Wip; 9:20, Kths, Wgbs, Wor, Wrc; 10, Kmox, Kfwa, Koa, Kpo, Weaf, Wgn, Wjaz, Wjr, Wkrc, Wmca, Wqj, Wor, Wqj, Wreo, Wtam; 10:05, Wcco; 10:30, Wamd; 10:45, Wb; 11, Wfwa, Kfwb, Kpo, Webh, Wfaa, Who, Wjaz, Woc; 11:30, Kfoa; 11:45, Wdaf; 12, Kgo, Kgw, Knx, Wgbu, Wjaz, Wjjd.

Monday

8, Wrep; 9, Wjar, Wor; 9:15, Wahg; 10, Kths, Wrep, Wgr, Wnyc, Wpg; 10:15, Wor; 10:30, Wrep, Wh; 11, Kgw, Koil, Wgbu, Wgcp, Wgr, Whn, Who; Wjaz; 11:45, Wdaf; 12, Knx, Kpo.

Tuesday

10:15, Kths; 10:30, Kths, Whn; 10:45, Wsb; 11, Kgw, Koil, Wgbu, Whn, Wjaz; 11:45, Wdaf; 12, Kgw, Khj, Knx, Kpo, Wdaf, Wjaz; 1, Wqj.

Wednesday

9:15, Wahg; 9:30, Whap, Who, Wor; 10, Kfvc, Whap, [illegible], Wgbu, Wgep, Wjaz, Wqj; 10:05, Wcco; 10:30, Wbap, Whn; 11, Kmox, Koil, Kpo, Webh, Wgbu, Wgcp, Wgr, Whn, Wjaz; 11.45, Wdaf; 12, Kfwa, Knx, Kpo, Wjaz, Wjjd.

Thursday

8, Wjr; 8, Webh, Weel, Whn, Wjr, Wmbb, Wsai, Wtag; 9:15, Wbz, Wip; 9:30, Webh, Wgy, Whn; 9:35, Wbz; 10, Kths, Wbbm, Weaf, Wgbu, Whn, Wmca, Wpg, Wqj; 10:30, Kths, Whn, Webh, Wgbu, Wh; Woc; 11:45, Wdaf; 12, Kgo, Khj, Knx, Kpo, Wjjd.

Friday

8, Wdaf; 8, Wcx, Webh, Weel, Wh[illegible], Wgep, Wmbb; 9:15, Wahg; 9:30, Weeu, Wh; 10, Kpo, Kths, Wgbu, Wgep, Whn, Wh; Wqj.

WEEI, Boston, Mass. (348.6m-860kc), 8-11 p. m., WEAF.
WFI, Philadelphia, Pa. (394.5m-760kc), 6:45 p. m., Hotel Adelphia dance orchestra; 8, Salon orchestra; 8:30, WEAF.
WHN, New York, N. Y. (361.2m-830kc), 7-7:30 p. m., Junior Order night; baritone; 8:30, theater overture, vaudeville; 11:30-12, Cotton club orchestra.
WJAR, Providence, R. I. (485.1m-618kc), 8:30 p. m., musical program; 9, WEAF; 10, WEAF.
WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Hotel Madison concert orchestra; 8, Voice of the Silent drama; 8:30, WRC; 9.30, Royal Typewriter Salon orchestra, WGY, WRC; 10:30, Fireside Boys, WRC, WBZ.
WMCA, New York, N. Y. (340.7m-880kc), 7 p. m., Monte Carlo by the Sea orchestra; 8, Roemers Homers; 9, Solow soloists; 11, Hotel McAlpin orchestra; 12, Broadway night.
WNYC, New York, N. Y. (526m-570kc), 7 p. m., piano selections; 8, band concert, Prospect park.
WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Hotel Sylvania dance orchestra.
WOR, Newark, N. J. (405.2m-740kc), 6:15 p. m., Jacques Jacobs' Hotel Shelton ensemble; 7, Jacques Jacobs' Hotel Shelton ensemble; 7:45, Oreste's Queensland orchestra; 8:15, Vanderbilt Hotel orchestra; 9, Arthur Pryor's band; 10, Chateau Baltusrol orchestra.

Eastern Standard or Central Daylight Saving Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 5:30 p. m., dinner concert; 8, "Bizet" symphony players; Winifred Perry, contralto; 10:20, concert, Flotilla club, Etzi Covato and his orchestra.
KYW, Chicago, Ill. (535.4m-560kc), 6:30 p. m., dinner concert, Congress hotel; 8-9, "Twenty Minutes of Good Reading"; 9-10:30, classical program; 10:30-12 midnight, Congress Carnival.
WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., dinner orchestra; 7:30-8, mixed quartet; 8-9, WBAL trio; John Wilbourn, tenor; 9-10, dance orchestra.
WBZ, Springfield, Mass. (333.1m-900kc), 6:05 p. m., Edward J. McEnelly and his Victor Recording orchestra; 8, musicale; 8:30, Frank McGrather, baritone; Joseph Gilday, violinist; 9, Mrs. Helen Beckwith Ryan, contralto; 9:15, Leslie Stearns, tenor.
WCFL, Chicago, Ill. (491.5m-610kc), 6:30 p. m., Florentine string trio; 7:30-8:30, Ann post, contralto; Joe Warner; 8:30-10, Hazel Nyman, accordion soloist; Axel Christensen; Jimmie Eggert; 10-1, Alamo dance orchestra.
WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., Goldkette ensemble; 8-10, studio program.
WDBO, Winter Park, Fla. (239.9m-1200kc), 9 p. m., Sanford hour of music.
WEBH, Chicago, Ill. (370.2m-810kc), 7-8 p. m., harp recital, Edward Vito; orchestra; E. Bigelow, pianist; 9-9:45, Edgewater Beach hotel orchestra; songs, Carlos Hatvary, ensemble; 11-12:30 a. m., dance music; guitar solos, Hickey and Johnson; songs, Rita McFawn; Six syncopators.
WGHB, Clearwater, Fla. (266m-1130kc), 7:30-8:30 p. m., dinner music.
WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert; 10-11, WGHP Frolickers; 11-12, Skylark dance band.
WGN, Chicago, Ill. (302.8m-990kc), 6:45-7 p. m., request program; 8-9, WEAF; 9-10, WEAF; 10-10.10, Sam 'n' Henry; 10:10-10:20, Music Box; 10:20-10:30, Great Moments from Grand Opera; 10:30-11, WGN studio ensemble.
WGR, Buffalo, N. Y. (319m-940kc), 8-11 p. m., WEAF.
WGY, Schenectady, N. Y. (379.5m-790kc), 6:45 p. m., instrumental trio; 7:30, WRC; 8, WJZ; 9, Utica Industrial Institute male quartet; 10:30, Stephen E. Boisclair.
WHT, Chicago, Ill. (399.8m-750kc), 7-8:30 p. m., Al Carney, organist; 8:45 (238m-1260kc), Helen Rauh, organist; Stuart Dawson, poems; 10:30-1 (399.8m-750kc), Al Carney, organist; Billy Alan Huff, popular songs; Little Joe Warner, character songs; Al and Pat.
WJAZ, Chicago, Ill. (329.5m-910kc), 9-12 midnight, Chez Pierre orchestra; Henrietta Nolan, violinist; George Peterson, baritone; Jacob Hannemann, pianist.
WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Detroit Trade Expansion program; entertainers; 8, concert.
WKRC, Cincinnati, O. (325.9m-920kc), 10 p. m., Swiss Garden frolic; 11, popular songs; 11:15, Walter Davidson's Louisville Loons.
WLIB, Chicago, Ill. (302.8m-990kc), 7-7:05 p. m., Million sing; 7:05-7:15, Old-Fashioned Almanack; 7:15-8, Drake concert ensemble; Blackstone string quintet; 11-11:20, Correll and Gosden; 11:20-1 a. m., Liberty Studio ensemble; Ambrose Larsen, organist; Bobby Meeker's Drake hotel dance orchestra; Fred Hamm's orchestra.
WLS, Chicago, Ill. (344.6m-870kc), 7:20 p. m., Rose Sherman, violinist; Marie Ludwig, harpist; 7:30, organ concert, Ralph Emerson; 8, Surprise time; 8:10, Maurie Sherman's College Inn orchestra; 8:20, Arthur Clipping, baritone.
WLW, Cincinnati, O. (422.3m-710kc), 7 p. m., Robert Visconti's orchestra, 7:40, orchestra; 8, Dayton Radio show; 10, Latonia Melody Boys; 10:20, Al Kirchner and "Pep" Golden; 10:40, Irene Downing and Tommy Reynolds; 12:15 a. m., Crosley Pups.
WMAQ, Chicago, Ill. (447.5m-670kc), 6:50 p. m., orchestra; 8:20, Carl Craven, tenor; 8:50, WMAQ players; 9:50, WMAQ air line.
WMBB, Chicago, Ill. (250m-1200kc), 7-8 p. m., Russian selections; 9-11, orchestra; The Lombards, John Stamford; Sandy McTavish.
WOK, Chicago, Ill. (217.3m-1380kc), 6-8 p. m., Tip Top Inn string ensemble concert; 8-12, Capitol theater organ; Katz and his Kittens' orchestra; Midway Garden orchestra; Tearney's Town club orchestra; Capitol theater program.
WORD, Batavia, Ill. (275.1m-1090kc), 8 p. m., musical program; 9, musical program.
WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Gardens orchestra; artists; 10-2, Rainbo Gardens orchestra; Lamb Sisters; Sylvian Four; Goldie Gordon.
WRC, Washington, D. C. (468.5m-640kc), 7:30 p. m., U. S. Marine band, WJZ, WGY; 9-10, WJZ; 10, Hotel Mayflower orchestra.
WRVA, Richmond, Va. (256.3m-1170kc), 8:45-12:45 p. m., Hopewell night.
WSAI, Cincinnati, O. (325.9m-920kc), 6:45 p. m., chime concert; 7-10 p. m., WEAF.
WSWS, Chicago, Ill. (275m-1090kc), 7-8 p. m., "The Magic Crystal"; 10-11, "On the Road to Mandalay," John Clark production; 12-1, witching hour.
WTAM, Cleveland, O. (389.4m-770kc), 6 p. m., Hollenden hotel orchestra; 7:30, WEAF; 8, WEAF; 9, studio program; 11, Emerson Gill and his Bamboo Garden orchestra.
WTIC, Hartford, Conn. (475.9m-630kc), 7 p. m., popular period; 7:30, James Butler, banjoist; 8, Foran-to Melody Makers and Manchester quartet; 9, Colt Park Municipal dance orchestra; 9:30, Emil Heimberger's Hotel Bond dance orchestra.
WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7, WEAF.

Central Standard Time Stations

KFNF, Shenandoah, Ia. (461.3m-650kc), 7 p. m., Violet Siewers orchestra.
KLDS, Independence, Mo. (440.9m-680kc), 8 p. m., studio program.
KPRC, Houston, Tex. (296.9m-1010kc), 8:30 p. m., "Tex" Lynne, whistler; 8:45, Jane Cammack, soprano; 9, Southern Pacific Lines band.
KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10-9:45 p. m., opera classics, New Arlington hotel orchestra.
KWWG, Brownsville, Tex. (278m-1080kc), 8:30 p. m., Spanish songs, Senorita Margarita Aguerre; 8:45, Alfredo Laurents, violinist; 9, Mrs. Harry Faulk, soprano; Mrs. Fritz Schmidt, contralto; Arthur Neale, Frank Gilmore; 12:01, dance program.
WAMD, Minneapolis, Minn. (244m-1230kc), 6 p. m., Radisson hotel orchestra; 10, organ recital.
WBAP, Ft. Worth, Tex. (475.9m-630kc), 9:30-11 p. m., Davis octet; 11-12, novelty mandolin and guitar program, Southern Melody Boys.
WCBD, Zion, Ill. (344.6m-870kc), 9 p. m., cornet quartet; Mrs. Veatrice Beem, soprano; Mray Wedekind; E. B. Paxton, baritone.
WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 7-9 p. m., WEAF.
WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., School of the Air; 11:45-1 a. m., Nighthawk frolic; Charlie Straight's Brunswick orchestra; Earl Coleman's orchestra; Ken Widenor, organist.
WFAA, Dallas, Tex. (475.9m-630kc), 6:30-7:30 p. m., Jimmy Joys' Baker hotel orchestra; 8:30-9.30, Little symphony orchestra.
WHAD, Milwaukee, Wis. (275m-1090kc), 6:10 p. m., Hotel Wisconsin Badger room orchestra; 8:30, talk, Rambler.
WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., studio concert.
WHO, Des Moines, Ia. (526m-570kc), 7:30-8 p. m., Philbreck and his Younker tea-room orchestra; 8-9, Bankers Life trio; 11-12, dance program.
WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., vocal ensemble, Paola Grosso, director.
WOAI, San Antonio, Tex. (394.5m-760kc), 8:30 p. m., Mistletoe Melody Maids.
WOAW, Omaha, Neb. (526m-570kc), 6:50 p. m., orchestra; 9, classical.
WOC, Davenport, Ia. (483.6m-620kc), 5:45-6 p. m., chimes concert; 6:30-9, WEAF; 9-9:30, Moline Plowboys.
WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., concert; 10.45, orchestra.

Mountain Standard Time Stations

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Radio Boys' dance orchestra, George O'Hara, soloist; 8-9, KFI drama hour; 9-10, program of Hawaiian music; 10-11, popular program.
KFWB, Hollywood, Calif. (252m-1190kc), 8-9 p. m., McGavin Bros. Bakeries; 9-10, program, Chapman's Ice Cream; 10-11, Warner Brothers frolic.
KGO, Oakland, Calif. (361.2m-830kc), 6-6:55 p. m., Bem's Little symphony orchestra; 8-9, Olympic glee club; Valencia trio; 9-12, Phil Lampkin's Musical Bears.
KGW, Portland, Ore. (491-5m-610kc), 6-7 p. m., dinner concert; 9-10, vaudeville.
KHJ, Los Angeles, Calif. (405.2m-740kc), 8-10 p. m., Zoellner string quartet, Harriet Andrews, soprano, and others.
KNX, Hollywood, Calif. (336.9m-890kc), 7-8 p. m., Carthay Circle theater organ; 8-9, program, Rigali and Veselich; 9-10, studio program; 10-11, feature program; 11-12, Ambassador hotel dance orchestra.
KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7 p. m., States restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel orchestra; 8-9, studio program; 9-10, studio program; 10-11, Mandarin cafe dance orchestra.
KPSN, Pasadena, Calif. (315.6m-950kc), 8-9 p. m., musical program.
KTAB, Oakland, Calif. (302.8m-990kc), 8-10 p. m., KTAB quartet.

Friday, September 17

Headliners Today

Atlantic Eastern Central Mountain Pacific
8 p. m. 7 6 5 4
WGY (379.5m-790kc), Yom Kippur.
Atlantic Eastern Central Mountain Pacific
9 p.m. 8 7 6 5
WBAL (246m-1220kc), Lilliam Howard Mann, contralto.
WEEI (348.6m-860kc), Neapolitan Girls quintet.
9:30 8:30 7:30 6:30 5:30
WGR (319m-940kc), Edna Zahm and friends.
10 9 8 7 6
WLS (344.6m-870kc), Cyrena Van Gordon, contralto.
WMAQ (447.5m-760kc), Yom Kippur, Jewish services, Medinah temple.
WOO (508.2m-590kc), Sesquicentennial concert.
10:30 9:30 8:30 7:30 6:30
WCCO (416.4m-720kc), Twin City string quartet.
WMC (399.8m-750kc), Memphis Plectrum orchestra.
1 a. m. 12 11 10 9
KFWB (252m-1190kc), Peggy Mathews, blues singers.
WBAP (475.9m-630kc), Velma Dean, blues singer.
2:30 1:30 12:30 11:30 10:30
KGW (491.5m-610kc), Hoot Owls.

Friday, silent night for: KLDS, KPRC, KPSN, KWWG, WBBR, WCAD, WCBD, WGBS, WIP, WJAZ, WKRC, WLIT, WLW, WLWL, WOR, WREO, WRVA, WSAI, WSMB, WSUI, WTAM.

Atlantic or Eastern Daylight Saving Time Stations

WAHG, Richmond Hill, N. Y. (315.6m-950kc), 7:30 p. m., Edna Bockstein, pianist; 7:45, Gertrude Bardusch, contralto; 8, Albert Reiss, vibraphone; 8:15, William Helfenstein, baritone; 8:30, Radio World's Fair; 9, Constance Menkel, Lithuanian soprano; Helen DeWitt Jacobs, violinist; Walter Leary, baritone; 10, Radio World's Fair.
WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30 p. m., Snellenburg instrumental trio; 8, Barry O'Moore, Irish tenor; 8:30, Anita Lyons, songs; 8:45, Miss Bambina, piano accordion; 9, Regina Crooners; 9:15, Sam Gold, Murmuring baritone; 10, Myer's Musical Architects.
WEAF, New York, N. Y. (491.5m-610kc), 6 p. m., dinner music; 7, Meyer Davis' Park Lane orchestra; 8:30, Wandering minstrels, WCAE; 9, La France orchestra, WEEI, WGR, WOO; 10, Whittall Anglo-Persians, WEEI, WRC, WTAG, WJAR, WCAE, WOO, WOC, WGR, WDAF, WCCO, WWJ, KSD, WTAM, WCSH, WGN; 10:30, Jack Albin and his orchestra; 11-12, Pelham Health Inn orchestra.
WEBJ, New York, N. Y. (272.6m-1100kc), 7 p. m., Irma Fosdick Gray, soprano; Bob Langston, tenor; 7:30, Knickerbocker Grill orchestra; 8, Brennan and Adams; 8:15, Sara Case, pianist; 8:30, Luna's Marine Band.
WEEI, Boston, Mass. (348.6m-860kc), 7:30 p. m., Whiting's Four Merry Milkmen; 8, musicale; 8:30, Neapolitan Girls' quintet; 9, WEAF.
WFI, Philadelphia, Pa. (394.5m-760kc), 6:45 p. m., Adelphia dance orchestra.
WHN, New York, N. Y. (361.2m-830kc), 8-8:30 p. m., Treasureland Home Owners ensemble; 9-9:30, orchestra; 9:30-11, music; 11-11:30, Strand Roof orchestra; 11:30-12, Roseland dance orchestra; 12-12:30, Silver Slipper orchestra.
WJAR, Providence, R. I. (485.1m-618kc), 8:35 p. m., musicale; 10, WEAF.
WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., George Olsen's Pennsylvania hotel orchestra; 9, Sundial Shoe serenaders, Bonnie Laddies, 10:30, Hotel Belleclaire Tower orchestra.
WLIT, Philadelphia, Pa. (394.5m-760kc), 8 p. m., Arcadia cafe concert orchestra; 9, Schickerling string quartet; 10, Arcadia cafe dance orchestra; 11, Freshman Masterpiece hour.
WMAK, Buffalo, N. Y. (265.3m-1130kc), 7:30-8:05 p. m., WGY orchestra; 8:15-10:30, WGY players.
WMCA, New York, N. Y. (340.7m-880kc), 6.30 p. m., McAlpin orchestra; 7:30, Monte Carlo by the Sea orchestra; 8, Midland Beach orchestra; 8:45, Broadway Association orchestra; 9:30, Klein's serenading shoemakers.
WNYC, New York, N. Y. (526m-570kc), 6 p. m., piano selections.
WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Hotel Sylvania dance orchestra; 8, WOO orchestra; 9, La France orchestra; 9:30, Fox theater program; 10, Sesquicentennial concert; 10:30, Sam Brown's dance orchestra.

KOA TO TEST MICROPHONE HUMOR

More than fifteen million people will hear Mary Lewis, famous soprano of the Metropolitan Opera, sing when she broadcasts simultaneously from thirty-three stations Wednesday, September 15. Miss Lewis is one of the headliners of the Third Radio Industries Banquet. To the right is a member of the Trio Novelette, Audrey Perlstein. Miss Perlstein is the pianist of the group whose programs at WQJ, Chicago, have delighted fans with their versatility.

WOR, Newark, N. J. (405.2m-740kc), 6:35 p. m., Hotel Bretton Hall string quartet; 7, Hotel Bretton Hall string quartet; 7:30, Crystal Palace; 8:30, Donald H. Baker, organist; 10:15, Ritz-Carlton dance orchestra.

Eastern Standard or Central Daylight Saving Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 5:30 p. m., dinner concert; 8, Marie Wiester, tenor; Leo Kruczek, violinist.
KYW, Chicago, Ill. (535.4m-560kc), 8 p. m., Edison staff artists; 10:30-12 midnight, Congress carnival.
WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., WBAL dinner orchestra; 7:30-8, WBAL, Jubilee singers; 8-9, Viola Hewitt, soprano; Lillian Howard Mann, contralto; Helen McGraw, pianist; 9-10, ensemble.
WBBM, Chicago, Ill. (225.4m-1330kc), 5:15-6 p. m., Eddie Hanson, organist; 9-10, Harmony Time and staff artists.
WBZ, Springfield, Mass. (333.1m-900kc), 6:05 p. m., Hotel Brunswick orchestra; 8:15, harmonica; 9, Arthur Clifton, organist.
WCFL, Chicago, Ill. (491.5m-610kc), 6:30-7:30 p. m., Florentine string trio; 7:30-8:30, Clarence Theders, baritone; Vella Cook, contralto; 8:30-10, Joe Warner; Cook Sisters; 10-1, Alamo dance orchestra.
WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., Goldette ensemble; 8-10, Schmeman band; 10, dance music.
WDBO, Winter Park, Fla. (239.9m-1200kc), 8:10 p. m., musicale; 9, Sanlando popular program.
WEBH, Chicago, Ill. (370.2m-810kc), 7-8 p. m., dinner concert; songs, Edgar Scott; 9-9:45, Edgewater Beach hotel orchestra; selections, specialties; 11-12:30 a. m., dance music; harp trio.
WGHB, Clearwater, Fla. (266m-1130kc), 8:30-10 p. m., pipe organ, Dr. D. A. Dunseith; Frederick Hubbard, organist; Mrs. Ethel Morand Weber, soprano; Mrs. Maude Sheridan, contralto; Mrs. F. S. Barrett, violinist.
WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert, Hotel Tuller; 8, children's half hour, Uncle H. C. B. and Music Lady; 9:30-10, string soloists, Frederick Stearns and company; 10-11, WGHP entertainers; 11-12, Melody Makers.
WGN, Chicago, Ill. (302.8m-990kc), 6:45-7 p. m., request program, Drake concert ensemble, Blackstone string quintet; 7-15-8, Paul Ash's orchestra; 8-8:30, musical program; 8:30-9, Curfew Capers; 9-9:30, WEAF; 9:30-10, Phantom violin; 10-10:10, Sam 'n' Henry; 10:10-10:22, Music Box; 10:22-11, WGN studio ensemble.
WGR, Buffalo, N. Y. (319m-940kc), 8:30-9 p. m., Solow soloists; 9-9:30, WEAF; 9:30-10, Edna Zahm and friends; 10-10:30, WEAF; 11-1, Vincent Lopez Hotel Statler orchestra.
WGY, Schenectady, N. Y. (379.5m-790kc), 6:35 p. m., instrumental trio; 7, Temple Beth Emeth, "Yom Kippur;" 9, orchestra; 9:30, travelogue.
WHT, Chicago, Ill. (399.8m-750kc), 7-8:30 p. m., Al Carney, organist; Pat Barnes; 8:45-10:15 (238m-1260kc), Helen Rauh, organist; Stuart Dawson, poems; 10-1 (399.8m-750kc), Al Carney, organist; Rita McFaun, soprano; Oscar Heather, tenor; Rita McFaun, soprano; Al and Pat.
WJAZ, Chicago, Ill. (329.5m-910kc), 9-12 mid., Chez Pierre orchestra; Walter Lewis, baritone; Eulalie Kolur, pianist.
WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Detroit Trade Expansion program; 8, concert.
WLIB, Chicago, Ill. (302.8m-990kc), 11-11:20 p. m., Correll and Gosden; 11:20-1 a. m., Liberty studio ensemble; Drake hotel dance orchestra; Fred Hamm's orchestra.
WLS, Chicago, Ill. (344.6m-870kc), 6:30 p. m., Al Melgard, organist; 6:45, Maurie Sherman's College Inn orchestra; 7:20, Rose Sherman, violinist; Marie Ludwig, harpist; 7:30, organ concert, Ralph Emerson; 8, Surprise time, orchestra, Ford and Glenn; 9, Cyrena Van Gordon, contralto; 10:30, Medicine show; 11, Ralph Emerson, organist.
WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 8:30, Emerson Abernathy, baritone; 9, Yom Kippur, Jewish services Medinah temple.
WMBB, Chicago, Ill. (250m-1200kc), 7-8 p. m., Trianon duo; John Stamford, tenor; Vella Cook, contralto; Norman Harte, baritone; 9-11, Trianon orchestra; Borden brothers; Harmony duo; Bob Bennett.
WOK, Chicago, Ill. (217.3m-1380kc), 6-8 p. m., Tip Top Inn string ensemble concert; 8-12, Capitol theater organ; Katz and his Kittens' orchestra; Midway Garden orchestra; Tearney's Town club orchestra; Capitol theater program.
WORD, Batavia, Ill. (275.1m-1090kc), 8 p. m., musical program; 9, musicale.
WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., dinner concert; 10:25-2 a. m., Dr. H. Lucille Long, woman harmonica player; Muriel Olsen, blues singer; Harry Brooker, baritone.
WRC, Washington, D. C. (468.5m-640kc), 7 p. m., Wardman Park trio; 8, WJZ; 9, WEAF; 9:45, organ.
WRVA, Richmond, Va. (256.3m-1170kc), 8:15 p. m., Richmond's Advertising club stunt program; 10, orchestra.
WSWS, Chicago, Ill. (275m-1090kc), 6-7 p. m., classical program; 8-9, East Chicago community quartet; 12-1, Witching hour.
WTAM, Cleveland, Ohio (389.4m-770kc), 6:30 p. m., Emerson Gill and his Bamboo Garden orchestra; 8, Frank R. Wilson's Euclid beach park orchestra; 9, WEAF, 9:30, studio program; 11, Jack Horwitz Collegian serenaders from Far East restaurant.
WTIC, Hartford, Conn. (475.9m-630kc), 7 p. m., piano recital, Laura Gaudet; 7:15, Fiddle an' Bee; 7:30, Travelers Recreation Grounds orchestra; 8:30, Charles Scanlon, tenor; 8:45, Clinton Community choral club; 9:30, WTIC's mail bag; 9:45, The "Debutants" period.
WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 8, Detroit News orchestra; 9, WEAF.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 8:30-10:30 p. m., variety program.
KFDM, Beaumont, Texas (315.6m-950kc), 8-10 p. m., Refinery band.
KFNF, Shenandoah, Iowa (461.3m-650kc), 7:30 p. m., Widney sisters.
KMA, Shenandoah, Iowa (461.3m-650kc), 9-11 p. m., musicale.
KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., Jacquinot Jules, organist; 7, KMOX Radio orchestra; 8, Colonel 6121; 9, Do Re Mi Double quartet; 9:30, Scotch program, Caledonian society; 10, KMOX Radio orchestra.
KPRC, Houston, Texas (296.9m-1010kc), 7:30 p. m., Frank Tilton, pianist; 8, Robert M. Chamber, baritone; 8:30, pipe organ; 10, slogan prizes.
KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10-9:50 p. m., Charles Garden, saxophonist; 9:30-10, Meyer Davis ensemble.
WAMD, Minneapolis, Minn. (244m-1230kc), 6 p. m., Radisson hotel orchestra; 7:15, WAMD opera company.
WBAP, Ft. Worth, Texas (475.9m-630kc), 7:30-8:30 p. m., Panther Hawaiian trio; 9:40-11, concert, Artie Collins' dance orchestra; 11-12, Velma Dean, soloist, popular song hits; Aylene Hoffman, pianist.
WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6:15 p. m., dinner concert; 8, WEAF; 8:30, Twin City string quartet; 10:05, Emmet Long's Nankin cafe orchestra; George Getsey, baritone.
WCOA, Pensacola, Fla. (222m-1350kc), 7-8:30 p. m., Saenger theater orchestra; Harry Davis, tenor; Dr. C. J. Heinberg, violinist; Dan Saccaro, harmonica soloist; Mrs. Terrell Covington, vocalist; Mrs. Lewis Bear, pianist.
WDAF, Kansas City, Mo. (356.6m-820kc), 6-7 p. m., School of the Air; 8-8:30, WEAF; 8:30-9:15, WDAF players; 11:45-1 a. m., Nighthawk frolic; Charlie Straight's Brunswick recording orchestra; Ted Meyn, organist; Earl Coleman's orchestra.
WFAA, Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m., Honey Boys' orchestra; 8:30-9:30, Mrs. A. Smith, soprano; Mrs. Howard Parks, contralto.
WHAD, Milwaukee, Wis. (275m-1090kc), 6:10 p. m., Arthur Richter, organist; 8, studio program.
WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., studio concert.
WHO, Des Moines, Iowa (526m-570kc), 7:30-8 p. m., Philbreck and his Younker tea-room orchestra; 8-9, studio concert; 11-12, dance music.
WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Cooper Cord Novelty orchestra; 11, organ recital, Harry O. Nichols.
WOAI, San Antonio, Texas (394.5m-760kc), 8:30 p. m., San Antonio College of Music program.
WOAW, Omaha, Nebr. (526m-570kc), 6:50 p. m., orchestra; 9, Red Feather program; Angelo Lupo's dance orchestra, soloists.
WOC, Davenport, Iowa (483.6m-620kc), 5:45-6 p. m., chimes concert; 8-8:30, WEAF; 8:30-9:30, John McGreevy, baritone; Emil Haas, reader; Archibald Sowden, violinist.
WOS, Jefferson City, Mo. (440.9m-680kc), 8:20 p. m., 35th Division reunion association.
WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., concert; 10:45, Charles A. Sheldon, organist.
WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., Andrew Jackson hotel orchestra; 8, program; 10, studio program.

Mountain Standard Time Stations

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra; 8, KOA orchestra; 8:25, Rocky Mountain News, Denver Times.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Lou Parker, popular songs, and others; 8-9, Aeolian organ; 9-10, Golden hour trio and soloists; 10-11, Packard ballad hour.
KFWB, Hollywood, Calif. (252m-1190kc), 8-9 p. m., program, Bert Farrar, inc.; 9-10, Bill Hatch and his orchestra; Peggy Mathews, blues singer; 10-11, Warner Brothers' frolic.
KGO, Oakland, Calif. (361.2m-830kc), 6-6:55 p. m., Bem's Little symphony orchestra.
KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-9:30, Temple Beth Israel; 10:30-12, Hoot Owls.
KHJ, Los Angeles, Calif. (405.2m-740kc), 8-10 p. m., Times de luxe program.
KLX, Oakland, Calif. (508.2m-590kc), 8-9:45 p. m., Western Auto Supply company; 9:45-10:30, orchestra.
KNX, Hollywood, Calif. (336.9m-890kc), 7-8 p. m., feature program; 8-9, program, Frank Meline company; 9-10, Order of Optimistic Donuts; 10-11, program, Dickenson and Gillespie; 11-12, Ambassador hotel dance orchestra.
KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7 p. m., States Restaurant orchestra; 8-9, studio program; 9-10, Palace hotel Rose Room dance orchestra; 10-11, States Restaurant orchestra.
KTAB, Oakland, Calif. (302.8m-990kc), 8-10 p. m., program.

Saturday, September 18

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
3:45 p.m.	2:45	1:45	12:45	11:45

KDKA (309.1m-970kc), Epworth League rally.

6	5	4	3	2

KYW (535.4m-560kc), Epworth League rally.

9	8	7	6	5

WBZ 333.1m-900kc), Hercules Zenopoulos, Hawaiian guitarist.

9:30	8:30	7:30	6:30	5:30

WLW (422.3m-710kc), Week End serenaders.

10	9	8	7	6

WSM (282.8m-1060kc), Tennessee State fair.

10:15	9:15	8:15	7:15	6:15

WCCO (416.4m-720kc), Ronning saxophone quartet.

Atlantic	Eastern	Central	Mountain	Pacific
11:30 p. m.	10:30	9:30	8:30	7:30

WBAP (475.9m-630kc), Hired Hand's little symphony.

Saturday, silent night for: KFUO, KMA, KTAB, KWWG, WBAL, WCAL, WCAU, WCBD, WCX, WEBJ, WEEI, WFI, WGBF, WGCP, WGPH, WHA, WHAD, WHN, WHO, WJAR, WLWL, WOO, WOS, WRVA, WTAG, WTIC, WWJ.

Atlantic or Eastern Daylight Saving Time Stations

CNRO, Ottawa, Can. (434.5m-690kc), 9 p. m., Chateau Laurier dance orchestra.
WEAF, New York, N. Y. (491.5m-610kc), 6 p. m., dinner music; 7, Al Lentz Hofbrau orchestra; 7:30, John Quine, baritone; 8, Savoy orchestra; 9, comedy hits, WEAF Musical Comedy troupe; 10, Ben Bernie's orchestra; 11-12, Rolfe's Palais D'Or orchestra.
WFI, Philadelphia, Pa. (394.5m-760kc), 6:45 p. m., Adelphia dance orchestra; 8, recital.
WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Waldorf Astoria Roof orchestra; 10:30, Hotel Astor Roof orchestra.
WMAK, Buffalo, N. Y. (265.3m-1130kc), 7:30-8:30 p. m., Shea's Buffalo theater program.
WMCA, New York, N. Y. (340.7m-880kc), 7:30 p. m., Monte Carlo by the Sea orchestra; 11, Ernie Golden and his Hotel McAlpin orchestra; 12, McAlpin entertainers.
WNYC, New York, N. Y. (526m-570kc), 7:20 p. m., piano selections; 8:30, band concert, Central park.
WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Hotel Sylvania dance orchestra.

Eastern Standard or Central Daylight Saving Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 5:30 p. m., dinner concert, Flotilla club; 8, Westinghouse band; Earl Renner, tenor.
KYW, Chicago, Ill. (535.4m-560kc), 7 p. m., music hour; 8, KYW's Congress hotel studio; 9-10:30, classical concert; 10:30-12 midnight, Congress carnival; Benson orchestra.
PWX, Havana, Cuba (400m-750kc), 8:30-11 p. m., Typical Cuban concert.
WBBM, Chicago, Ill. (225.4m-1330kc), 5:15-6 p. m., Eddie Hanson, organist; 8-9:30, Harmony time and staff artists; 9:30-10, Moss covered melodies; 10-11:30, Variety hour, staff artists; 11:30-12:30, Supper club; 12:30-2 a. m., Pacific Coast Special.
WBZ, Springfield, Mass. (333.1m-900kc), 6:05 p. m., Capitol theater orchestra; 8, Hercules Zenopoulos, Hawaiian guitarist; 8:30, Hotel Westminster orchestra; 9, musicale.
WCFL, Chicago, Ill. (491.5m-610kc), 6:30 p. m., Florentine string trio; 7:30-8:30, Johnson Sisters; Clarence Sullivan, Irish tenor; 8:30-10, Hickey and Johnson; Joe Warner; 10-1, Alamo dance orchestra.
WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., Goldkette ensemble; 8-10, studio program; 10, dance music.
WDBO, Winter Park, Fla. (239.9m-1200kc), 8:25 p. m., Fred Hart, ukulele soloist; 9, Winter Park Chamber of Commerce program; 11, midnight frolic; Owens and Willox.
WEBH, Chicago, Ill. (370.2m-810kc), 7-8 p. m., Sunday School lesson; dinner concert, Edgewater Beach orchestra; songs, Florence Behrend; string quartet; 9-9:45, dance music; vocal, instrumental selections; 11-12, dance music, quartet; Carl Linner, pianist; 1-2 a. m., dance music, specialties.
WGN, Chicago, Ill. (302.8m-990kc), 6:35-7 p. m., dinner music, Drake concert ensemble; Blackstone string quintet; 8:10-8:20, Drake concert ensemble; 8:20-8:30, Correll and Gosden; 8:30-9, Fred Hamm and his orchestra; 9-9:30, light opera period; 9:30-10, musical program; 10-10:10, Sam 'n' Henry; 10-10:22, Music Box; 10:22-11, WGN studio ensemble.
WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., Shea's Buffalo theater; 9:30, dance program.
WHT, Chicago, Ill. (399.8m-750kc), 7-8:30 p. m., Al Carney, organist; Eleanor Gilmour, soprano; 8:45-10:15 (238m-1260kc), Helen Rauh, organist; Stuart Dawson, poems; 10:30-1, (399.8m-750kc), Pat Barnes, Al Carney; John Norton, harmonica soloist; Al and Pat.
WJAZ, Chicago, Ill. (329.5m-910kc, 9-1 a. m., Earl Hoffman's Chez Pierre orchestra; Max Siegel, tenor; Avery McIntyre, pianist; Elmer Winthrop, baritone; Chez Pierre Hawaiian quartet.
WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Goldkette's Petite symphony orchestra, soloists; 7:30, Lagoona Gondoliers; 8, concert; 11:30, Merry Old Chief and Jewett Jesters.
WKRC, Cincinnati, O. (325.9m-920kc), 10 p. m., Swiss Garden frolic; 11, Sam Jones; 11:15, Louisville Loons.
WLIB, Chicago, Ill. (302.8m-990kc), 7:05-7:15 p. m., Old Fashioned Almanack; 7:15-7:30, Drake concert ensemble; Blackstone string quintet; 7:30-8, Drake concert ensemble; Pattison Coates, baritone; 11-11:20, Correll and Gosden; 11:20-1 a. m., Liberty studio ensemble; Ambrose Larsen, organist; Drake hotel dance orchestra; Fred Hamm's orchestra.
WLS, Chicago, Ill. (344.6m-870kc), 6:30 p. m., Al Melgard, organist; 7:15-1 a. m., National barn dance, fiddlers; Journal Surprise time; Sherman's College Inn orchestra; Ford, Glenn and Ralph; Indiana Radio artists' talent contest.
WLW, Cincinnati, O. (422.3m-710kc), 7 p. m., organ concert; Johanna Grosse; 7:30, Seckatary Hawkins; 8, Johanna Grosse; 8:30, Week-end Serenaders; 9, Castle Farmers.
WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Jack Chapman's orchestra; 8, musical potpourri; 9, Chicago theater weekly Radio revue.
WMBB, Chicago, Ill. (250m-1200kc), 7-8 p. m., Trianon duo; Franklin Kidd, tenor; Davida Boys, whistler; Preston Graves; 9-11, Trianon orchestra; Jimmie Eggert; Eddie Wallace; Jack Goodwin; Sandy McTavish.
WOK, Chicago, Ill. (217.3m-1380kc), 6-8 p. m., Tip Top Inn string ensemble; 8-12, Capitol theater organ; Katz and his Kittens' orchestra; Midway Garden orchestra; Tearney's Town club orchestra; Capitol theater program.
WORD, Batavia, Ill. (275.1m-1090kc), 7 p. m., Webster hotel concert program; 9, studio program.
WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Gardens orchestra; 10-3, Rainbo Gardens orchestra; Harry Geise.
WRC, Washington, D. C. (468.5m-640kc), 7 p. m., Hotel Washington orchestra; 7:30, WJZ; 9:30, WJZ; 10:30, Kitt hour of music; 11:15, organ; 11-12, Otto F. Beck, organist.
WSAI, Cincinnati, O. (325.9m-920kc), 8:30 p. m., sextet; 9:30, popular songs.
WSWS, Chicago, Ill. (275m-1090kc), 6-7 p. m., classical; 8-9, Henri Therrien; orchestra; 10-11, Georgia Gray, violinist; Ned Becker, humorist; 12-1, Witching hour.
WTAM, Cleveland, O. (389.4m-770kc), 6:15 p. m., Hotel Cleveland orchestra; 7:30, studio program; 8, Hollenden hotel orchestra; 9, vaudeville program from studio; Ev Jones' Merrymakers and assisting entertainers.
WTIC, Hartford, Conn. (475.9m-630kc), 7:30 p. m., Colt Park Municipal dance orchestra.
WWJ, Detroit, Mich. (352.7m-850kc), 7:30 p. m., Goldman band concert.

Central Standard Time Stations

KFAB, Lincoln, Neb. (340.7m-880kc), 8:30-10:30 p. m., orchestra; quartet.
KFNF, Shenandoah, Ia. (461.3m-650kc), 7 p. m., mixed program; 11, old-time music.
KLDS, Independence, Mo. (440.9m-680kc), 8 p. m., studio program.
KMA, Shenandoah, Ia. (461.3m-650kc), 9-11 p. m., Ray-O-Vac twins.
KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., Jacquinot Jules, organist; 7, Little Red Schoolhouse; 8, K. of C. quartet; KMOX Radio orchestra; Porter Brown; 9, "The Night Herd," drama; 9:30, orchestra; 10-11, dansant nuit KMOX Radio orchestra.
KOIL, Council Bluffs, Ia. (305.9m-980kc), 6:30 p. m., Leo Kearse, pianist; 7:30, Grace Poole Steinberg, soprano; 11, Lyric serenaders.

ARARAT TEMPLE CHANTERS AT WDAF

KPRC, Houston, Tex. (296.9m-1010kc), 8 p. m., South End Christian church; 9:30, Skyline studio concert; 11, J. Benson Carlisle, pipe organist.
KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10-9:45 p. m.. dance concert, New Arlington hotel orchestra; 9:45-10:10, Lawson Reid, organist.
WBAP, Ft. Worth, Tex. (475.9m-630kc), 8-8:30 p. m., Fort Worth club orchestra; 9:30-11 p. m., Hired Hand's Little symphony.
WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6:15 p. m., dinner concert, Wesley Barlow's Nicollet hotel orchestra; 8:15; Ronning Saxophone quintet; Dale mixed quartet; 9, San Souci trio; 10:05 dance program.
WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., School of the Air; 8-9, around the town; 11:45-1 a. m.. Nighthawk frolic; Charlie Straight's Brunswick Recording orchestra; Earl Coleman's orchestra; popular songsters.
WFAA, Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m., Jimmy Joys' Baker hotel orchestra; 8:30-9:30, Tom D. Collins stringed orchestra; 11-12, Jack Gardner's Adolphus hotel orchestra.
WHAD, Milwaukee, Wis. (275m-1090kc), 6:10 p. m., Wisconsin Hotel Badger Room orchestra.
WHAS, Louisville, Ky. (399.8m-750kc), concert.
WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Memphis Pectrum orchestra.
WOAW, Omaha, Nebr. (526m-570kc), 9 p. m., program.
WOC, Davenport, Ia. (483.6m-620kc), 5:45-6 p. m., chimes concert; 9-10; Mrs. Frank Thul, soprano; Herbert Silberstein, violinist; John Gerwe, tenor.
WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., Atwater Kent hour; 10:45, Red head club.
WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., dinner concert, trio; 8, popular and barn dance program.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Billy Cox and his orchestra; 8-9, Angelus string quartet; 9-10, varied program; 10-11, Packard Radio club; 11-2 a. m., KFI midnight frolic.
KFWB, Hollywood, Calif, (252m-1190kc), 8-9 p. m., studio program; 9-10, Julius H. Phillips, tenor; June Parker, blues singer and dance orchestra; 10-11, Warner Brothers frolic.
KGO, Oakland, Calif. (361.2m-830kc), 4-5 p. m., Bem's Little simphony orchestra; 9-1 a. m., dance music, Wilt Gunzendorfer's Hotel Whitcomb band.
KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 10-12, dance music, George Rose and his band; solos, Punch Green.
KHJ, Los Angeles, Calif. (405.2m-740kc), 8-10 p. m., Times de luxe program; Karl Brandenburg, tenor.
KNX, Hollywood, Calif. (336.9m-890kc), 7:30 p. m., program, Dearden's Furniture co., 8-10, KNX feature program; 10-11, Ambassador hotel dance orchestra; 11-2 a. m., Hollywood Nite frolic, Edgewater club.
KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7:30 p. m., States Restaurant orchestra; 8-10, Mandarin cafe orchestra; Maurice Gunsky, tenor; Merton Bories, pianist; 10-12, Clift hotel dance orchestra.

Sunday, September 19

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
7:20 p. m.	6:20	5:20	4:20	3:20

WEAF (491.5m-610kc), WEEI (348.6m-560kc), WRC (468.5m-640kc), WWJ (352.7m-850kc), KSD (545.1m-550kc), WCAE (461.3m-650kc), Capitol family.

1	12	11	10	9

KFWB (252m-1190kc), Motion picture frolic.
WFAA (475.9m-630kc), Harry F. Hassall and his symphony orchestra.

1:15	12:15	11:15	10:15	9:15

WKRC (325.9m-920kc), Louisville Loons.

Sunday, silent night for: CKAC, CKNC, CNRA, CNRC, CNRE, CNRM, CNRO, CNRR, CNRT, CNRV, CNRW, KFKX, KFOA, KFXF, KMA, KWWG, WAHG, WEBJ, WFI, WGBF, WGHB, WGHP, WHAS, WJJD, WJR, WLIT, WLWL, WMAQ, WMC, WNYC, WOI, WOO, WOOD, WREO, WRVA, WTIC.

Atlantic or Eastern Daylight Saving Time Stations

WCAU, Philadelphit, Pa. (277.6m-1080kc), 5 p. m., undenominational church services; 5:40, recital; 6:30, Hotel Pennsylvania concert orchestra; 7:30, Cathay concert orchestra.
WEAF, New York, N. Y. (491 5m-610kc), 3 p. m., Greater New York Federation of Churches; 4:30, Federaation mixed quartet; 7:20, Capitol family, WEEI, KSD, WRC, WWJ, WJAR, WCAE; 9:15, Atwater Kent program; WEEI, WGR, WRC, WWJ, WSAI, WGN, WCCO, KSD; 9:45, musicale.
WEEI, Boston, Mass. (348.6m-860kc), 2 p. m., Sager's hour of hospitality; 7:20, WEAF; 9:15, WEAF; 9:45, Keith's Radio review.
WFI, Philadelphia, Pa. (394.5m-760kc), 10:20 a. m., services, Arch St. Methodist Episcopal church.
WIP, Philadelphia, Pa. (308.2m-590kc), 10:45 a. m., services, Holy Trinity church.
WJAR, Providence, R. I. (485.1m-618kc), 7:20 p. m., WEAF; 9:15, musicale.
WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Baptist church carillon; 8, program; 9:30, Godfrey Ludlow, violinist.
WMCA, New York, N. Y. (340.7m-880kc), 7 p. m., Ernie Golden and his Hotel McAlpin orchestra.
WOO, Philadelphia, Pa. (508.2m-590kc), 2:30 p. m., musical exercises, Bethany Sunday school; 6, organ recital; 7:30, services, Bethany Presbyterian church.

Eastern Standard or Central Daylight Saving Time Stations

KYW, Chicago, Ill. (535.4m-560kc), 11 a. m., Second Presbyterian church; 4, studio concert; 9:30-11, classical concert.
WBAL, Baltimore, Md. (245.8m-1220kc), 7:30-8:30 p. m., WBAL concert orchestra.
WBBM, Chicago, Ill. (225.4m-1330kc), 8-10 p. m., Melody hour, staff artists; 12, The Nutty club.
WBZ, Springfield, Mass. (333.1m-900kc), 7 p. m., Copley Plaza concert; 8, Golden Rule hour; 9, Knights of Pythias male quartet.
WCBD, Zion, Ill. (344.6m-870kc), 9 p. m., brass quartet; P. B. Newcomer, cornetist; duets; Chester Bagg, baritone.
WCX, Detroit, Mich. (516.9m-580kc), 7:15 p. m., service.
WDBO, Winter Park, Fla. (239.9m-1200kc), 7:30 p. m., outdoor church, City Park green.
WEBH, Chicago, Ill. (370.2m-810kc), 10:45 a. m.-12 noon, Seventh Church of Christ Scientist; 7-9 p. m., Edgewater Beach hotel orchestra; concert; Kenyth Dunn, pianist.
WGHP, Detroit, Mich. (270.1m-1110kc), 11 a. m., Grosse Pointe Memorial church.
WGN, Chicago, Ill. (302.8m-990kc), 6:45 p. m., musicale; 7-7:20, Million sing; 7:20-7:30, Old-Fashioned Almanack; 7:30-8, musicale; 8-8:15, Drake concert ensemble, Blackstone string quintet; 8:15-8:45, WEAF; 8:45-9, musical program; 9-10, Our Music room; 10-10:10, Sam 'n' Henry; 10:10-11, WGN studio ensemble.
WGR, Buffalo, N. Y. (319m-940kc), 7:45 p. m., Central Presbyterian church; 9:15-10:15, WEAF.
WGY, Schenectady, N. Y. (379.5m-790kc), 9:30 a. m., St. George's Episcopal church; 6:05 p. m., WJZ.
WHT, Chicago, Ill. (399.8m-750kc), 3 p. m., Paul Rader.
WJAZ, Chicago, Ill. (329.5m-910kc), 7-9 p. m., Chez Pierre; Hazel Sims, pianist; Frances Rosemary Scheiley, soprano; Ethel Schwertzler, violinist; Chez Pierre orchestra.
WJR, Pontiac, Mich. (516.9m-580kc), 10 a. m., First Baptist church; 8, concert; 10, special song service, First Baptist church.
WKRC, Cincinnati, Ohio (325.9m-920kc), 6:45 p. m., Walnut Hills Christian church; 11:15, Louisville Loons; 12, Marie Turner, blues and ballads; 12:15, Louisville Loons.
WLIB, Chicago, Ill. (302.8m-990kc), 5 p. m., Liberty studio ensemble; 5:45, Edward Benedict.
WLS, Chicago, Ill. (344.6m-870kc), 7-8:55 p. m., Little Brown church in the Vale; Sol Heller, baritone.
WLW, Cincinnati, Ohio (422.3m-710kc), 7:30 p. m., First Presbyterian church; 8:30, Crosley Salon orchestra.
WMBB, Chicago, Ill. (250m-1200kc), 3-5 p. m., Trianon orchestra; 7-8, Sunset musicale; Frank Bordner; 9-11, Trianon orchestra; ensemble; Lombards; Irwin Schadler, zither soloist; John Stamford, tenor; Bob Bennett, pianist.
WOK, Chicago, Ill. (217.3m-1380kc), 6-8 p. m., Tip Top Inn string ensemble; 8-12, Capitol theater organ; Katz and his Kittens' orchestra; Midway Garden orchestra; Tearney's Town club orchestra; Capitol theater organ.
WORD, Batavia, Ill. (275.1m-1090kc), 10 a. m., services; 2:30, program; 10:45, Bible lecture.
WQJ, Chicago, Ill. (447.5m-670kc), 3-4 p. m., Dorothy Rae, soprano; William Mattei, baritone; Elbert Bartlett Wheeler, tenor; Jacob Hannemann, pianist; 8-10, choir, Holy Family church.
WRC, Washington, D. C. (468.5m-640kc), 11 a. m., service; 4 p. m., service; 6:20, WEAF; 8:15, WEAF; 8:45-10, vesper hour.
WSAI, Cincinnati, O. (325.9m-920kc), 7:45 p. m., chime concert, Robert Badgley; 8:15, WEAF; 8:45, WEAF.
WSWS, Chicago, Ill. (275m-1090kc), 11 a. m., Moody church; 3:30 p. m., popular service; 7-9, song service.
WTAM, Cleveland, Ohio (389.4m-770kc), 6 p. m., Hollenden hotel orchestra; 7, Park theater orchestra; 8, Twilight musicale.
WWJ, Detroit, Mich. (352.7m-850kc), 2 p. m., Detroit News orchestra; 6:20, WEAF; 8:15, WEAF.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 9-10 p. m., evening musicale.
KFNF, Shenandoah, Ia. (461.3m-650kc), 10:45 a. m., First M. E. church; 2:30 p. m., Seed house song service; 3, religious services; 6:30, Golden Rule Circle; 8, Christian church services.
KLDS, Independence, Mo. (440.9m-680kc), 11 a. m., studio service; 9:15, studio service.
KMOX, St. Louis, Mo. (280.2m-1070kc), 9 p. m., Skouras Brothers night club.
KOIL, Council Bluffs, Ia. (305.9m-980kc), 11 a. m., First Congregational church; 7:30, Charlestonians; 11, Lyric serenaders.
KPRC, Houston, Texas (296.9m-1010kc), 10:50 a. m., First church of Christ, scientist; 3 p. m., Wichita Falls-Houston baseball game; 9:30, concert; 11, Texan theater pipe organ concert.

Senorita Raquel Nieto, formerly of the Mexican Grand Opera, and now a resident of Los Angeles, is heard weekly over Station KFWB. She has one of those uncommonly rare soprano voices that broadcast well. For the past few months the audience of WBZ has been listening to a new voice, that of Aidan Redmond, left, conducting the programs of that station from the Hotel Brunswick studio. Although only twenty-two, the rich strength and refinement of his voice give an impression of older years.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 11 a. m.-12:15 p. m., First Presbyterian church; 9:10-10, classic hour, Lon Chassy and his Meyer Davis ensemble.
WBAP, Ft. Worth, Tex. (475.9m-630kc), 11 a. m.-12:30 p. m., First Methodist church; 9:30-11:30, Sorin White Top O' Texas orchestra.
WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 10:50 a. m., Plymouth Congregational church; 4:10 p. m., House of Hope Presbyterian church; 7:15, WEAF; 9:30, Hugo Philler Goodwin, organist.
WEMC, Berrien Springs, Mich. (285.5m-1050kc), 8:15 p. m., Emmanuel college school of music.
WDAF, Kansas City, Mo. (365.6m-820kc), 3-3:30 p. m., classical musical program; 4-4:45, services.
WFAA, Dallas, Texas (475.9m-630kc), 6-7 p. m., Bible class, gospel songs; 8-9, First Presbyterian church; 11-12, Harry F. Hassall and his symphony orchestra.
WHAS, Louisville, Ky. (399.8m-750kc), 9:57 a. m., organ prelude; 10, Fourth Avenue Presbyterian church; 4:30-5:30 p. m., choral evensong service, Christ church cathedral.
WHB, Kansas City, Mo. (365.6m-820kc), 9:40 a. m., Linwood Blvd. Christian church; 8-9:15 p. m., church services; 11:15-1, Linwood Radio feature, Morrill Moore, organist.
WHO, Des Moines, Ia. (526m-570kc), 11 a. m., service; 5-6 p. m., Bankers Life Little symphony; 7:30-8:30, Hotel Fort Des Moines orchestra; 11-12, musical program.
WOAI, San Antonio, Tex. (394.5m-760kc), 11 a. m., First Presbyterian church; 7:45 p. m., Central Christian church.
WOAW, Omaha, Nebr. (526m-570kc), 9 a. m., chapel service; 1:30 p. m., Father Flanagan's Boys' home period; 2:30, old time songs for shut-ins; 9, chapel service.
WSB, Altanta, Ga. (428.3m-700kc), 5 p. m., sacred concert; 8, North Avenue Presbyterian church.
WSM, Nashville, Tenn. (282.8m-1060kc), 10:30 a. m., First Presbyterian church.

Mountain Standard Time Stations

KOA, Denver, Colo. (322.4m-930kc), 10:55 a. m., church; 4:30 p. m., Karl O. Staps, organist; 6:30, Lamont School of Music; 7:45, St. John's Episcopal cathedral.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Jim, Jack and Jean trio; 8-9, Aeolian organ; 9-10, Lake Arrowhead dance orchestra; 10-11, Packard Six dance orchestra, Dolly MacDonald, soloist.
KFWB, Hollywood, Calif. (252m-1190kc), 9-11 p. m., Warner Brothers Sunday night movie frolic.
KGW, Portland, Ore. (491.5m-610kc), 10:25-12 noon, church; 7:30-9 p. m., church; 9-10, concert, Little symphony orchestra.
KHJ, Los Angeles, Calif. (405.2m-740kc), 7-8 p. m., First M. E. church service; 8-10, Orpheus Four male quartet.
KNX, Hollywood, Calif. (336.9m-890kc), 7-8 p. m., First Presbyterian church of Hollywood, 8-9, Circle theater organ and orchestra; 9-10, program, Beverly Hills Nurseries.

Monday, September 20

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
9 p. m.	8	7	6	5

WHAZ (379.5m-790kc), Criterion male quartet.

9:30	8:30	7:30	6:30	5:30

WCOA (222m-1350kc), Pensacola Philharmonic orchestra.

9:45	8:45	7:45	6:45	5:45

WCAU (277.6m-1080kc), Count Tom Kelly, Irish comedian.

1	12	11	10	9

WBAP (475.9m-630kc), Louisiana serenaders.

Monday, silent night for: KHJ, KLDS, KPSN, KYW, WBBM, WCBD, WCFL, WEBH, WEBJ, WENR, WFI, WGBF, WGBS, WGES, WGN, WGY, WHAS, WHT, WIBO, WIP, WJAZ, WJJD, WLIB, WLS, WMAQ, WMBB, WOC, WOK, WORD, WQJ, WSAI, WSWS.

Atlantic or Eastern Daylight Saving Time Stations

CHIC, Toronto, Can. (356.9m-840kc), 8 p. m., George H. Graham, organist.
CKNC, Toronto, Can. (356.9m-840kc), 9 p. m., Toronto Conservatory instrumental trio.
WAHG, Richmond Hill, N. Y. (315.6m-950kc), 7:45 p. m., Walter Loose, pianist; 8, Synchrophase hour; 9:15, artists' recital; 10, popular program; 12, midnight variety program.
WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30 p. m., recital by N. Snellenburg and co.; 8, The Three Rascals; 8:15, Virginia Klein, pianist; 8:30, recital; 8:45, Merry Minstrels; 9:30, Chalfont Sisters, harmony songs; 9:45, Count Tom Kelly, Irish comedian; 9:50, Maurice Patton, tenor.
WEAF, New York, N. Y. (491.5m-610kc), 4-12 mid., dinner music; Meyer Davis' Park Lane orchestra; "Samson and Delilah," Grand opera company; Al Lentz' Hofbrau orchestra.
WMCA, New York, N. Y. (340.7m-880kc), 6:30 p. m., Ernie Golden and his Hotel McAlpin orchestra; 7:30, Monte Carlo by the Sea orchestra; 9:15, Hardman hour of music; 10:15, food show; 12, McAlpin entertainers.
WNYC, New York, N. Y. (526m-570kc), 6 p. m., piano selections; 6:20, piano selections.
WOO, Philadelphia, Pa., (508.2m-590kc), 7:30 p. m., Hotel Sylvania dance orchestra; 8, organ recital, Mary E. Vogt; 8:30, Sesquicentennial concert; 10:30, Sam Brown's dance orchestra.
WOR, Newark. N. J. (405.2m-740kc), 6:15 p. m., Jacques Jacobs' Hotel Shelton ensemble; 7, Jacques Jacobs' Hotel Shelton ensemble; 7:30, Brooklyn Daily Eagle program; 8, Newark Philharmonic band; 9:00, Klein's Serenading Shoemakers; 10, Monterey society orchestra; 10:30, Monterey concert quintet; 11:15, Ben Bernie's Berkeley-Carteret orchestra.

Eastern Standard or Central Daylight Saving Time Stations

WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., WBAL dinner orchestra; 7:30-8, mixed quartet; 8-9, WBAL trio, 9-10, WBAL dance orchestra.
WBZ, Springfield, Mass. (333.1m-900kc), 6 p. m., Hotel Lenox ensemble; 6:33, Bob Patterson's Hotel Kimball trio; 8, Capitol theater orchestra; 8:30, organ recital, Rene Dagenais; 9, Aidan Redmond, baritone; Mae Gorman; 9:30, Max Krulee and his orchestra.
WEEI, Boston, Mass. (348.6m-860kc), 8:15 p. m., Varsity Tire entertainers; 9, Cape Cod steamship company program, orchestra; 9:30, Ed Andrews' Nautical dance orchestra.
WFI, Philadelphia, Pa. (394.5m-760kc), 6:35 p. m., Adelphia Roof Garden dance orchestra.
WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 7, Uncle Wip's bedtime stories.
WJAR, Providence, R. I. (485.1m-618kc), 8:35 p. m., musical program; 10, grand opera hour.
WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Hotel Madison dinner orchestra; 7:55, John B. Kennedy; 9, Maxwell House Coffee ensemble; 10:30, Harold Leonard's Waldorf Astoria Roof orchestra.
WLIT, Philadelphia, Pa. (394.5m-760kc), 7:30 p. m., Dream Daddy's bedtime stories; 8, Short Agro Waves; 8:15, Arcadia cafe concert orchestra; 9, Stanley hour of music; 10, Arcadia cafe dance orchestra; 10:30, vaudeville features.
WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., Goldkette ensemble; 8-10, studio concert.
WDBO, Winter Park, Fla. (239.9m-1200kc), 8-15 p. m., Winter Park Chamber of Commerce; 9, Orlando chamber of commerce program; Hazel Mauer, pianist; Phillip Mauer, reader; Parson Ebony Snow.
WGHB, Clearwater, Fla. (266m-1130kc), 8:30-10 p. m., Homer Moore recital; Bertha Yates, pianist.
WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert, Hotel Tuller; 8-8:30, Little Symphony orchestra; 8:30-9:30, WGHP ensemble; 9:30-10, Astringo soloists.
WGN, Chicago, Ill. 302.8m-990kc), 6:45-7 p. m., Drake concert ensemble, Blackstone string quintet; 8-9, WEAF; 10-10:10, Sam 'n' Henry; 10:10-10:20, Music Box; 10:20-11, WGN studio ensemble.
WGR, Buflalo, N. Y. (319m-940kc), 6:30-7 p. m., Joe Armbruster and his orchestra; 9, Hazel Johnston loset, vocalist; 9:15, Don Lewis' varsity club orchestra; 11, Vincent Lopez orchestra.
WGY, Schenectady, N. Y. (379.5m-790kc), 5:30 p. m., dinner program, Hotel Van Curler.
WHAZ, Troy, N. Y. (379.5m-790kc), 8 p. m., Criterion male quartet.
WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Goldkette's Petite symphony orchestra, soloists; 7:15, Caspar Lingeman entertainers; 7:45, Good Will Oakland and Chief Pontiac; 8, concert.

WKRC, Cincinnati, Ohio (325.9m-820kc), 8 p. m., Eugene Schmitt, baritone; 8:15, dance program; 8:45, Dave Brinkmoeller, pianist; 9, American Legion; 12, popular program.
WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., Gibson orchestra; 7:40, orchestra; 8, Pat Patrick's orchestra; 9, Calumet Baking Powder Rainbo Garden hour.
WRC, Washington, D. C. (468.5m-640kc), 5 p. m., U. S. Navy band; 7, Mozart string quintet; 8, WJZ; 9:30, WEAF.
WRVA, Richmond, Va. (256.3m-1170kc), 8:40 p. m., Pat Binford, Brick Keck; 9:10, Harmony Boys; 9:30, Joseph Whittemore; 10:30, Hotel Richmond orchestra.
WSAI, Cincinnati, O. (325.9m-920kc), 10 p. m., musical program.
WTAM, Cleveland, Ohio (389.4m-770kc), 6 p. m., Hollenden Hotel orchestra; 7, Allen Theater orchestra; 8, studio program; 11, Emerson Gill and his Bamboo Garden orchestra.
WTIC, Hartford, Conn. (475.9m-630kc), 7:30 p. m., U. S. Coast Academy band; 9, grand opera hour; 10:03, Capitol theater organ.
WWJ, Detroit, Mich. (352.7m-850kc), 7:30 p. m., Goldman band concert; 9, Detroit News orchestra.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 8:30-10:30 p. m., Eleanor Crump, Mildred Dickinson, orchestra.
KFNF, Shenandoah, Ia. (461.3m-650kc), 7 p. m., concert; 8, poultry talk.
KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., Jacquinot Jules, organist; 7, KMOX Radio orchestra; 8, Colonel 6121; 9, orchestra; 10, orchestra; Anna Beckman, soprano.
KOIL, Council Bluffs, Ia. (305.9m-980kc), 6:03 p. m., Evangeline Higgins, pianist; Roberta Skipton DeVry, soprano; 7:30, Jean Stirling, pianist; 9, Ray Winn and his Paramount orchestra; 10, Barnyard Twins; Crosley Sisters; 11, Ray-O-Vac twins.
KPRC, Houston, Tex. (296.9m-1010kc), Houston Post-Dispatch second annual Radio exposition.
KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10-9:30 p. m., violin recital, Lon Chassy; New Arlington hotel orchestra.
KWWG, Brownsville, Tex. (278m-1080kc), 8:30 p. m., Spanish songs, Senor Revuelta; Mrs. Dan Crigler, contralto; 9, Mrs. A. A. Hargrove, violinist; Lydia Hernandez, pianist; P. K. McNair, tenor; 12:01 dance program.
WBAP, Ft. Worth, Tex. (475.9m-630kc), 7:30-8:30 p. m., Speed with Safety orchestra; 9:30-11, Crowley old time fiddle band; 11-12, Louisiana Serenaders.
WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6:15 p. m., dinner concert; 8, WEAF; 9, Scandinavian ensemble; 11:30, organ.
WCOA, Pensacola, Fla. (222m-1350kc), 7-8:30 p. m., John E. Frenkel; Sybil McNair, pianist; John W. Borjes, violinist; Madame Miller, pianist; Pensacola Philharmonic orchestra.
WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., School of the Air; 8-9, WEAF; 11:45-1 a. m., Nighthawk frolic; Ted Meyn, organist.
WEMC, Berrien Springs, Mich. (285.5m-1050kc), 8:15 p. m., Lighthouse string quintet.
WFAA, Dallas, Tex. (475.9m-630kc), 6:30-7:30 p. m., Hawaiian music; 8:30-9:30, Sears-Roebuck program.
WHAD, Milwaukee, Wis. (275m-1090kc), 6:10 p. m., Arthur Richter, organ; 8:30, piano; artists.
WHO, Des Moines, Ia. (526m-570kc), 7:30-8 p. m., Philbreck's Younker Tea room orchestra; 8-9, Bankers Life trio; 11-12, dance program.
WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Britling's Cafeteria novelty orchestra.
WOAI, San Antonio, Tex. (394.5m-760kc), 8:30 p. m., Sunshine Laundry orchestra.
WOAW, Omaha, Nebr. (526m-570kc), 6:50 p. m., orchestra; 9, classical.
WOS, Jefferson City, Mo. (440.9m-680kc), 8:15 p. m., program, Roye B. Hinkle.
WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., Sears Roebuck program; 10:45, concert.
WSM, Nashville, Tenn. 282.8m-1060kc), 7 p. m., Andrew Jackson hotel orchestra; 8, Tennessee State fair; 10, Vito and his Radio Seven.
WSUI, Iowa City, Ia. (483.6m-620kc), 8 p. m., musical program; 11:15, organ program, Pastime theater.

Mountain Standard Time Stations

KOA, Denver, Colo. (322.4m-930kc), 8 p. m., Scheuerman's Colorado orchestra; 8:15, football talk; 8:25, Dr. Clyde Englund, baritone; orchestra; Florence Wahl, contralto; Scotty Middleton, tenor; Tom Cahill, tenor; two-piano selections.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Owen Fallon's Californians; 8-9, classic hour; 8-10, program, KPO for Walter M. Murphy Motors co.; 10-11, program, arranged Meiklejohn Brothers.
KFWB, Hollywood, Calif. (252m-1190kc), 7:30-8 p. m., Dr. Ralph Mitchell and Associated Dentists; 8-9, Sealy Mattress company; 9-10, American Dye Works program; 10-11, Warner Brothers frolic.
KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 7-7:30, Movie club; 8-9, concert.
KLX, Oakland, Calif. (508.2m-590kc), 8-9 p. m., special program; 9-10 Lake Merritt Ducks.
KNX, Hollywood, Calif. 336.9m-890kc), 7-7:30 p. m., Music Arts Studio bldg. program; 7:30-8, program, Overell's, 8-9, L. W. Stockwell co. program; 9-10, program, Julian Petroleum corp.; 10-11, M. Weinstein program, with Alexandria hotel dance orchestra; 11-12, Ambassador hotel dance orchestra.

Tuesday, September 21

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
9 p. m.	8	7	6	5

WSWS (275m-1090kc), "The Magic Crystal."
9:30 8:30 7:30 6:30 5:30
WHAS (399.8m-750kc), Carl Zoeller's Melodists.
10:30 9:30 8:30 7:30 6:30
WHAD (275m-1090kc), Wisconsin theater review.
12 11 10 9 8
KFI (467m-642kc), Screen Artists' string quartet.
12:15 11:15 10:15 9:15 8:15
WKRC (325.9m-920kc), Chubby Lieber, patty-cake man.

Tuesday, silent night for: KFH, KFKX, KFUO, KOA, KOB, KTAB, KWWG, WAHG, WAMD, WBBR, WGCP, WOR, WOS, WRVA, WSMB, WSUI, WTAM, WTIC.

Atlantic or Eastern Daylight Saving Time Stations

WEAF, New York, N. Y. (491.5m-610kc), 6 p. m., dinner music; 8, Salon concert, WEEI, WFI, WCAE, WWJ, WGR, WTAM, WSAI; 8:30, Stratford male quartet; 9, Eveready hour, WFI, WEEI, WCAE, WGR, WWJ, WOC, WJAR, WCCO, WTAM, KSD, WTAG, WGN, WSAI; 10, Moment musicale, WEEI, WGR, WTAG, WCAE, WFI, WWJ, KSD, WTAM, WCSH; 10:30, Rolfe's Palais D'Or orchestra, WEEI, WFI, WWJ, WCAE, WGR, WTAM, KSD, WCSH.
WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30 p. m., Snellenburg recital; 8, Andy Stanton, songs; 8:15, Gurnse Buttermaker; 8:30, Peter Ricci, baritone; 8:45, Charlie Higgins, songs; 9, Al Wohlman, songs; 9:30, recital; 9:45, Chic Griffiths, piano fiend; 10, Cathay orchestra.
WEBJ, New York, N. Y. (272.6m-1100kc), 7 p. m., Melville Five; 7:45, Carl Corbalis, baritone; 8:15, Al Becker, banjoist.
WFI, Philadelphia, Pa. (394.5m-760kc), 6:45 p. m., Adelphia Roof Garden dance orchestra; 8, WEAF.
WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 7, Uncle Wip's bedtime stories; 8, recital; 10, dance orchestra; 11, organ recital.
WJAR, Providence, R. I. (485.1m-618kc), 8:10 p. m., musical program; 8:30, WEAF; 9, WEAF.
WJZ, New York, N. Y. (454.3m-660kc), 7:20 p. m., Waldorf Astoria Roof orchestra; 8:30, Deltah Pearl hour, WGY, WRC; 9, Pennsylvania Railroad hour, WGY, WRC; 10, Cook's Southern Hemisphere cruise, WRC, WGY; 10:45, Hotel Pennsylvania Roof orchestra.
WMCA, New York, N. Y. (340.7m-880kc), 7 p. m., orchestra; 8:15, Palmer Pen lesson; 10, food show; 11, Hotel McAlpin orchestra.
WNYC, New York, N. Y. (526m-570kc), 7:10 p. m., piano selections; 8, band concert, Prospect park.
WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Hotel Sylvania dance orchestra.
WOR, Newark, N. J. (405.2m-740kc), 6:35 p. m., Hotel Bretton Hall string quartet; 7:25, Premier club orchestra; 8:15, Vanderbilt hotel orchestra; 9, Donald H. Baker, organist; 10, Jimmy Caruso's frolic; 10:30, Ritz-Carlton dance orchestra.

Eastern Standard or Central Daylight Saving Time Stations

KYW, Chicago, Ill. (535.4m-560kc), 7 p. m., music hour, Chicago Evening American studio; 8, Congress hotel; 9-10:30, classical; 10:30-12 midnight, Carnival.
WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., WBAL dinner orchestra; 7:30-8, Mandolin orchestra; 8-9, George Bolek, pianist; Helen Broemer, cellist; Edward Jendrek, tenor; 9-10, municipal band.
WBBM, Chicago, Ill. (225.4m-1330kc), 8-9:30 p. m., Melody hour; 10-11:30, variety hour; 11:30-12, supper club.
WBZ, Springfield, Mass. (333.1m-900kc), 6 p. m., Hotel Kimball trio; 8, Hazel Clark Leonard, Helen Hunt, musical program; 9, musical program.
WCBD, Zion, Ill. (344.6m-870kc), 9 p. m., Zion band, male quartet; Mrs. J. D. Thomas, soprano; Richard F. Hire, violinist.
WCFL, Chicago, Ill. (491.5m-610kc), 7 p. m., Florentine string trio; 8, Spinning Wheel hour; 10, Alamo entertainers; 11-1, Alamo entertainers.
WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., Goldkette ensemble; 10, Red Apple club.
WDBO, Winter Park, Fla. (239.9m-1200kc), 9:30 p. m., Winter C. of C. program.
WEBH, Chicago, Ill. (370.2m-810kc), 7-8 p. m., dinner concert, songs, harp solos, ensemble; 9-9:45, organ recital; 11-12:30 a. m., Edgewater Beach hotel orchestra, artists.
WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert, Hotel Tuller; 8, studio program; 8:30-9, studio program; 9-10, Novelty half hour.
WGN, Chicago, Ill. (302.8m-990kc), 6:45-7 p. m., Drake concert ensemble; Blackstone string quintet; 8:30-9, musicale; 9-10, musicale; 10-10:10, Sam 'n' Henry; 10:10-10:20, Music Box; 10:20-10:30, studio program; 10:30-12:30 a. m., Pepper party.
WGR, Buffalo, N. Y. (319m-940kc), 6:30-7:30 p. m., Vincent Lopez Hotel Statler dance orchestra; 8-11:30, WEAF.
WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., instrumental trio; 7:30, WJZ; 8, WJZ; 9, WJZ.
WHT, Chicago, Ill. (399.8m-750kc), 7-8:30 p. m., Al Carney, organist; Riverview Melody Masters; 8:45-10:15 (238m-1260kc), organ opening; Riverview orchestra; 10:30-1 (399.8m-750kc), Al Carney, organist; Bel Canto male quartet; Ann Slack, cellist; Riverview orchestra; your hour league.
WJAZ, Chicago, Ill. (329.5m-910kc), 9-12 mid., Club Chez Pierre; Max Siegel, tenor; John Hemple, baritone.
WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Jean Goldkette's Petite symphony orchestra, soloists; 8, concert program.
WKRC, Cincinnati, Ohio (325.9m-920kc), 10 p. m., Eugene Perazoo, organist; Al Kirschner, pianist; Chubby Lieber; dance program.
WLIB, Chicago, Ill. (302.8m-990kc), 7 p. m., Million sing; Old Fashioned Almanack; 7:15, dinner music; 7:30, Gold Dust Twins; 11, Correll and Gosden; 11:20, Ambrose Larsen, organist; Drake hotel dance orchestra; Liberty studio ensemble.
WLS, Chicago, Ill. (344.6m-870kc), 6:30 p. m., organ concert, Al Melgard; 6:45, Maurie Sherman's College Inn orchestra; 7:30, organ concert, Ralph Emerson; 8, Surprise time; 8:10-8:55, orchestra.
WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., Norine Gibbons, Priscilla Holbrook; 7:30, Castle Farmers; 8:15, Crosley Burnt Corkers; 9, Formica symphony orchestra.
WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Jack Chapman's orchestra; 8, book review, Keith Preston; 8:30, Architects' Small House service bureau; 8:40, music; 9, artists; 9:30, Jack Chapman's orchestra; 9:45, Burpan homes.
WMBB, Chicago, Ill. (250m-1200kc), 7-8 p. m., Trianon ensemble, Genevieve Burnham; 9-11, Trianon orchestra; Mabel Bagley, contralto; Sandy McTavish, Scotch comedian.
WOK, Chicago, Ill. (217.3m-1380kc), 6-8 p. m., Tip Top Inn string ensemble concert; 8-12, Capitol theater organ; Katz and his Kittens' orchestra; Midway Garden orchestra; Tearney's Town club orchestra; Capitol theater program.
WORD, Batavia, Ill. (275.1m-1090kc), 9 p. m., musical program; 11, program.
WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Gardens orchestra; 10-2, Jack Klein; Leatrice Wood; Martha Biehl; Morton & Mayo; orchestra.
WRC, Washington, D. C. (468.5m-640kc), 7 p. m., Willard hotel orchestra; 7:30, WJZ; 9:30, Kitt hour of music; 10:30, Meyer Davis' Le Paradis band.
WSAI, Cincinnati, O. (325.9m-920kc), 6:45 p. m., chime concert; 7, WEAF; 7:30, musical program; Ray Lombardi, baritone; C. Partington, accordionist; 8, WEAF; 9, musicale.
WSWS, Chicago, Ill. (275m-1090kc), 6-7 p. m., semi-classical concert; 8, Magic Crystal; 10, Matthews Sisters; Terrace Garden orchestra; 12, Witching hour.
WTAM, Cleveland, Ohio (389.4m-770kc), 6 p. m., State theater vaudeville and music; 7, Salon concert from WEAF; 7:30, Gold Dust Twins from WEAF; 8, Eveready entertainers from WEAF; 9, Moment musicale from WEAF; 9:30, Dance orchestra from WEAF; 10, studio program; 11, Frank R. Wilson's Euclid beach park orchestra.
WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7, WEAF.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 8:30-10:30 p. m., program, U. of Nebr.
KFDM, Beaumont, Tex. (315.6m-950kc), 8-10 p. m., orchestra.
KFNF, Shenandoah, Ia. (461.3m-650kc), 7 p. m., old time music, Nebraska city.
KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., Jacquinot Jules, organist; 7, Little Red Schoolhouse; Stark Musical Bears; Helen Musick, soprano; 8, KMOX Radio orchestra; Mrs. H. Carey Korndoefer, contralto; 9, fantasia, "Labor Day"; 10-11, KMOX Radio orchestra, soloists.
KOIL, Council Bluffs, Ia. (305.9m-980kc), 6:03 p. m., Warner Brothers; 7:30, Hawaiian Meloboys; Ray-O-Vac Twins; 8:15, Radio-Jazz orchestra; 11, Ray-O-Vac twins.
KPRC, Houston, Tex. (296.9m-1010kc), Houston Post-Dispatch second annual Radio exposition.
KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:45-10:30, Lawson Reid, organist.
WBAP, Ft. Worth, Tex. (475.9m-630kc), 7:30-8:30 p. m., Wagoner family orchestra, old time fiddle music, Hawaiian selections; 9:30-11, Excel orchestra.
WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6:45 p. m., Jeanne Gray; 7, WEAF; 8, program; 9:30, Garrott's Chocolate Soldier; 10:30, Marigold Ballroom orchestra.
WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., School of the Air; 11:45-1 a. m., Nighthawk frolic; Ken Widenor, organist.
WFAA, Dallas, Tex. (475.9m-630kc), 6:30-7:30 p. m., Western Four; 8:30-9:30, Elizabeth Gay Jones; 11-12, Jimmy Joy's Baker hotel orchestra.
WHAD, Milwaukee, Wis. (275m-1090kc), 6:10 p. m., dinner hour; 8:30, Wisconsin theater review.
WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., Carl Zoeller's Melodists.
WHB, Kansas City, Mo. (365.6m-820kc), 7-7:30 p. m., organ; 8-9, studio concert.
WHO, Des Moines, Ia. (526m-570kc), 7:30-8:30 p. m., 14th Cavalry band; 8:30-9, Irene Palmer, pianist; Ralph Starr, tenor; 11-12, dance program.
WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., orchestra; 11, Malcolm Burks' Original Seven.

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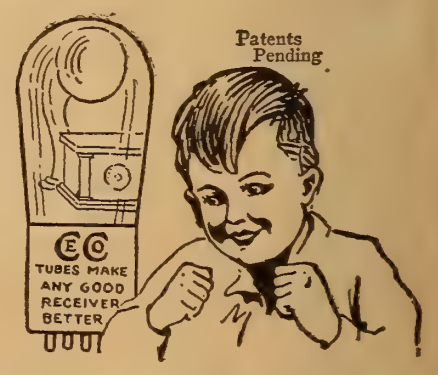

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WOAI, San Antonio, Tex. (394.5m-760kc), 8:30 p. m., Gebhardt, Mexican players.
WOAW, Omaha, Nebr. (526m-570kc), 6:50 p. m., orchestra; 9, program, popular and old-time music; 10:15, Movie club, Dr. Applesauce presiding.
WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., concert; 10:45, Bohemian orchestra.
WSM, Nashville, Tenn. (282.8m-1060kc), 8 p. m., Tennesseeans' orchestra.

Mountain Standard Time Stations

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., dinner concert, Brown Palace string orchestra.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Virginia ballroom orchestra, Parks Sisters; 8-9, Screen Artists' string quartet; Robert Hurd, tenor; 9-10, varied program; 10-11, Packard Radio club.
KFWB, Hollywood, Calif. (252m-1190kc), 8-9 p. m., program, Franklin Building and Loan ass'n; 9-10, program, Dan Gridley, tenor; Art Pabst, banjoist; 10-11, Warner Brothers' frolic.
KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 10-12, dance music, George Rose and his band; Curt Kramer, pianist.
KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., Weekly visit of Queen Titania and the Sandman; 8-10, Stewart-Warner quartet; Mona Content, concert pianist; 10-11, L. A. Ry. dance orchestra.
KNX, Hollywood, Calif. (336.9m-890kc), 7-7:45 p. m., program, Dearden's Furiture company; 8-9, Builders' Finance ass'n program; 9-10, Western Auto Supply co. program; 10-12, Ambassador hotel dance orchestra.

Wednesday, September 22

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
8 p. m.	7	6	5	4

WLIT (394.5m-760kc), Style forecast.

9:30	8:30	7:30	6:30	5:30

WGHP (275m-1090kc), Camp Fire program.

10	9	8	7	6

WHO (526m-570kc), Hapac Grotto male quartet.

11	10	9	8	7

WSAI (325.9m-920kc), Congress Playing Card string quartet.

11:30	10:30	9:30	8:30	7:30

KTHS (374.8m-800kc), Russian music.

For stations silent tonight refer to first Wednesday's list.

Atlantic or Eastern Daylight Saving Time Stations

CNRO, Ottawa, Can. (434.5m-690kc), 7:30 p. m., Chateau Laurier concert orchestra; 9, studio program, Montreal.
WAHG, Richmond Hill, N. Y. (315.6m-950kc), 8 p. m., concert orchestra; 9, artists 10, Good Humor boys.
WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30 p. m., N. Snellenburg recital; 8, Melrose concert quartet; 8:30, Albert Sussman, violinist; 9, songs; 9:30, popular songs; 9:40, Senator Hassenpfeffer; 9:45, Frank Cook, old-time songs; 10, Bittong's Cheerup club.
WEAF, New York, N. Y. (491.5m-610kc), 4-12 midnight, synagogue service; U. S. Army band; Davis Saxophone octet; Ipana Troubadours; Pelham Inn orchestra.
WEBJ, New York, N. Y. (272.6m-1100kc), 8 p. m., Ed Bulgers Radio orchestra; 8:45, Ben Ruty, Michael Savino; 9, Thomas Prytherch, Welch tenor; 9:30, Ormond Aces.
WEEI, Boston, Mass. (348.6m-860kc), 7:30-9:30 p. m., WEAF; 10, musicale.
WFI, Philadelphia, Pa., (394.5m-760kc), 6:45 p. m., Hotel Adelphia dance orchestra.
WHN, New York, N. Y. (361.2m-830kc), 7:30-8 p. m., Loew's Lexington theater organ; 9:30, Loew's New York theater orchestra; 9:30-10, Loew's 7th Avenue theater concert program; 10-10:30, Roseland dance orchestra; 11:30-12, Silver Slipper orchestra.
WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 7, Uncle Wip's bedtime stories.
WJAR, Providence, R. I. (485.1m-618kc), 8 p. m., U. S. Army band concert; 8:30, WEAF; 9:05, musicale; 10, WEAF.
WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Hotel Madison concert orchestra; 8, Imperial Imps; 10, Record Boys; 10:30, Hotel Astor Roof orchestra.
WLIT, Philadelphia, Pa. (394.5m-760kc), 8 p. m., style forecast, Style committee of National Association of Retail Clothiers and Furnishers; 10, Arcadia cafe dance orchestra.
WMCA, New York, N. Y. (340.7m-880kc), 6:30 p. m., Hotel McAlpin orchestra; 8, Monte Carlo by the Sea orchestra; 12, McAlpin entertainers.
WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Hotel Sylvania dance orchestra; 8:30, WEAF; 10, Fox theater concert; 10:30, Sam Brown's dance orchestra.
WOR, Newark, N. J. (405.2m-740kc), 6:15 p. m., Jacques Jacobs' Hotel Shelton ensemble; 7, Jacques Jacobs Hotel Shelton ensemble; 8, Newark Philharmonic band; 9, French Line program; 9:45, Monterey society orchestra; 10:30, special feature; 10:45, Monterey concert quintet; 11:15, Ben Bernie's Berkeley-Carteret orchestra.

Eastern Standard or Central Daylight Saving Time Stations

KYW, Chicago, Ill. (535.4m-560kc), 6:30 p. m., Joska DeBabary and his orchestra; Bittie-Benson orchestra; 7, American hour; 9-10:30, classical concert, Commonwealth Edison company; 10:30-12 midnight, Congress carnival.
PWX, Havana, Cuba (400m-750kc), 8-10 p. m., Military band music.
WBBM, Chicago, Ill. (225.4m-1330kc), 5:15-6 p. m., recital, Eddie Hanson, organist; 9-10, Harmony Time, staff artists; 12, the Nutty club.
WBZ, Springfield, Mass. (333.1m-900kc), 6:33 p. m., Musical Mirth Makers; 8, Barnstormers; 8:30, Max Krulee and orchestra; 9, musical program; 9:30, Hercules Zenopoulos' musical program.
WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., Goldkette ensemble; 8-10, Schmeman band.
WCFL, Chicago, Ill. (491.5m-610kc), 7 p. m., Florentine string trio; 8, variety hour; 10, Alamo orchestra; 11, Alamo entertainers.
WDBO, Winter Park, Fla. (239.9m-1200kc), 8:15 p. m., Science talk; 9, dance music.
WEBH, Chicago, Ill. (370.2m-810kc), 7-8 p. m. Edgewater Beach hotel concert orchestra; 9-9:45, Edgewater Beach dance orchestra; songs, F. Behrend; 11-12, dance orchestra; songs, Joe Verges and Paul Small; saxophone quartet; songs, Frank Greif; 12-12:30 a. m., Edgewater Beach hotel orchestra.
WGHB, Clearwater, Fla. 266m-1130kc), 8:30-10 p. m., Hyde Park Presbyterian church quartet.
WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert, Hotel Tuller; 8, Camp Fire program; 8:30-9, Little symphony orchestra; 9-10, WGHP ensemble.
WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., Eastman theater, WHAM.
WGR, Buffalo, N. Y. (319m-940kc), 8:30-9:30 p. m., WEAF.
WGN, Chicago, Ill. 302.8m-990kc), 6:45-7 p. m., request program; 8-9, WEAF; 9-10, WEAF; 10:10-10:20, Music Box; 10:20-10:30, great moments, grand opera; 10:30-11, WGN's studio ensemble.
WHT, Chicago, Ill. (399.8m-750kc), Al Carney, organist; Riverview Melody Masters; 8:45-10:15 238m-1260kc). Helen Rauh, organist; Stuart Dawson; 10:30-1 (399.8m-750kc), Al and Pat; Riverview orchestra.
WJAZ, Chicago, Ill. (329.5m-910kc), 9-12 mid., Chez Pierre; Alexander Nakutin studio.
WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Goldkette's Petite symphony orchestra, soloists; 7:45, Good Will Oakland and Chief Pontiac; 3, concert; 11, Murphy Brothers' organist; 12, Merry Old Chief and Jewett Jesters.
WKRC, Cincinnati, Ohio (325.9m-920kc), 6 p. m., Garden of Allah orchestra; 8, book review; 8:15, Hotel Alms orchestra; Howard Hafford; Everfresh hour; Lookout house orchestra.
WLIB, Chicago, Ill. (802.8m-990kc), 7 p. m., Million sing; 7:05, Old Fashioned Almanack; 7:15, dinner music; 7:30, Pattison Coates, baritone; Edward Ambrose Larsen, organist.
WLS, Chicago, Ill. (344.6m-870kc), 6:30 p. m., Al Melgard, organist; 7:20, Rose Sherman, violinist; Marie Ludwig, harpist; 7:30, Ralph Emerson, organist; 8, Surprise time; orchestra; 8:30, Ford and Glenn; 8:45, Midwest quartet; 9, WLS trio.
WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., Visconti's orchestra; 8, Buckeye trio; 9, staff recital; 10, Pink of Programs; 11, Royal Elk syncopators.
WMAG, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Jack Chapman's orchestra; 8:30, artists; 9, music; 9:30, Jack Chapman's orchestra.
WMBB, Chicago, Ill. (250m-1200kc), 7-8 p. m., Trianon duo; Bessie Beelman, contralto; Monte Blunn, tenor; Harold Thorpe, pianist; 9-11, Trianon orchestra; Borden Brothers; Clarice Taylor, whistler; John Everett, baritone.
WOK, Chicago, Ill. (217.3m-1380kc), 6-8 p. m., Tip Top Inn string ensemble; 8-12, Capitol theater organ; Katz and his Kittens' orchestra; Midway Garden orchestra; Tearney's Town club orchestra; Capitol theater program.
WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Gardens orchestra; 10-2, Jack Klein; Leatrice Wood; Martha and Biehl; Morton and Mayo; orchestra.
WRC, Washington, D. C. (468.5m-640kc), 5 p. m., U. S. Marine band; 7, to be announced; 7:30, WEAF; 8, WEAF; 8:30, to be announced; 9-10, WEAF.
WRVA, Richmond, Va. (256.3m-1170kc), 7:30 p. m., Richmond Radio show; 8:45, artists hour; 9:45, Shepherd Webb, organist; 11, Carry me back to Old Virginny.
WSAI, Cincinnati, O. (325.9m-920kc), 7 p. m., WEAF; 10, string quartet.
WSWS, Chicago, Ill. (275m-1090kc), 6 p. m., Terrace Garden orchestra; 9, Georgia Gray, violinist; 10, Art Becker, pianist; Mulvaney and Wilheit; John Clark; Terrace Garden orchestra; 12, Witching hour.

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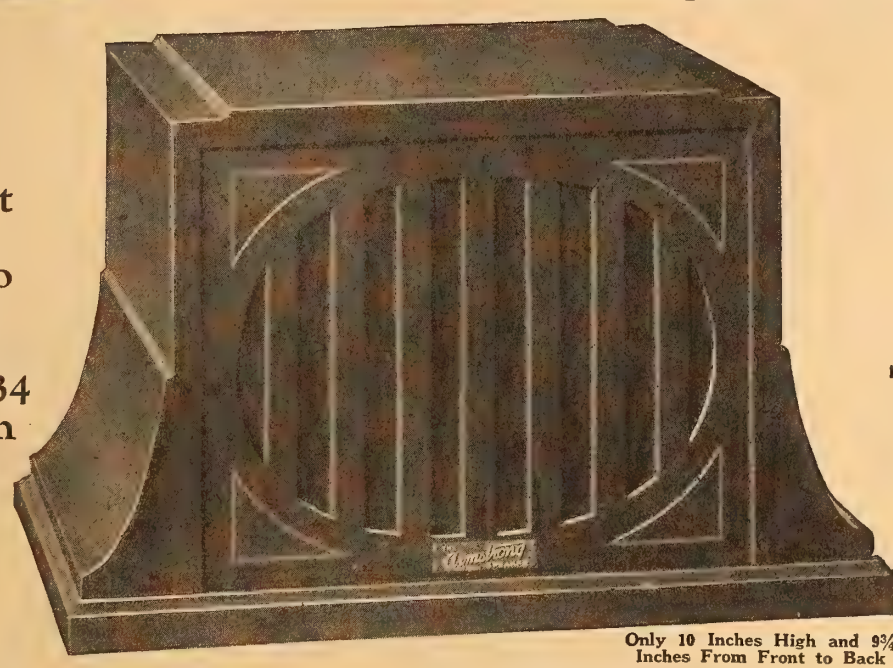

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From the delicate shading of the violin, the sweet notes of the flute, and the shrill piercing thrill of the piccolo to the deep rumbling bass of the organ, and the lowest note of the bass viol; from the martial strains of the cornet, the sharp crack of the drum to the grand ensemble of the complete orchestra and band—the ARMSTRONG assures perfect radio reception and full clear, mellow tones and perfect harmony.

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It has remained for the ARMSTRONG to overcome the difficulty of properly reproducing the Human Voice. It is the only loud speaker which actually qualifies and naturalizes the tones—and at the same time intensifies every note from the highest treble to the lowest bass.

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WTAM, Cleveland, Ohio. (389.4m-770kc), 6:15 p. m., Hotel Cleveland orchestra; 8, Public Auditorium program from Blue room; 11, Jack Horwitz Collegian serenaders from Far East Restaurant.

WTIC, Hartford, Conn. (475.9m-630kc), 7:30 p. m., Capitol theater orchestra; 7:50, "The Science of Canning," Olea M. Sands; 8, Travelers Jongleurs, Unknown Troubadour; 9, Colt Park Municipal dance orchestra; 9:30, Hotel Bond dance orchestra.

WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 7, WEAF; 7:30, Detroit News orchestra; 8, dance program; 9, Detroit News orchestra.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 8:30-10:30 p. m., orchestra.

KFNF, Shenandoah, Ia. (461.3m-650kc), 7 p. m., concert, Henry Field Seed company.

KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., Jacquinot Jules, organist; 7, J. L. Bischof, Alma Rotter; 8:30, KMOX Radio orchestra; 9, Civic program; 9:30-11:30, "Old Folks at Home," KMOX Radio orchestra; Redden and Feldman, Varsity Troubadors.

KPRC, Houston, Tex. (296.9m-1010kc), Post-Dispatch Radio exposition.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10-9:30 p. m., Lon Chassy violinist; 9:30-10, Russian music, Meyer Davis orchestra.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 7 p. m., WEAF; 8, midweek church service; 9, University ensemble; 11:30, organ.

WCOA, Pensacola, Fla. (222m-1350kc), 7-8:30 p. m., Churchill and Fillingim; Mrs. George Turner, whistler; vocal duets, Mrs. C. C. Webb, Mrs. Hildred Carter; Mrs. J. Wallace Lamar, violinist; Strickland-Crosby saxophone quintet.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., School of the Air; 8-9, popular musical program; 9-10, Ivanhoe band, glee club; 11:45-1 a. m., Nighthawk frolic.

WEMC, Berrien Springs, Mich. (285.5m-1050kc), 8:15 p. m., College Men's Symposeum.

WHAD, Milwaukee, Wis. (275m-1090kc), 6:10 p. m., Arthur Richter, organist; 11:30, organ.

WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., studio concert, Cardinals; Meyer Green.

WHB, Kansas City, Mo. (365.6m-820kc), 7-8 p. m., studio program; 10:30-11:30, midweek musicale.

WHO, Des Moines, Ia. (526m-570kc), 6-7 p. m., Bankers Life Little symphony; Myrtile Williams, soprano; 7-8, orchestra; 8-9:30, Hapac Grotto male quartet; 9:30-11:30, dance music.

WOAI, San Antonio, Tex. (394.5m-760kc), 8:30 p. m., Delaware Punch program.

WOS, Jefferson City, Mo. (440.9m-680kc), 8 p. m., Christian college.

WSB, Atlanta, Ga. (428.3m-700kc), 10:45 p. m., Peerless entertainers.

WSM, Nashville, Tenn. (282.8m-1060kc), 8 p. m., Tennessee State fair; 10, State fair.

WSUI, Iowa City, Ia. (483.6m-620kc), 8 p. m., musical program.

Mountain Standard Time Stations

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra; 8, Scheuerman's Colorado orchestra; 8:25, KOA orchestra.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7 p. m., Westerland trio; 7:30 p. m., Nick Harris story; 8-9, program, California Petroleum corporation; 9-10, Patrick-Marsh dance orchestra, Betty Patrick, soloist; 10-11, program arranged by Charles Beauchamp tenor.

KFWB, Hollywood, Calif. (252m-1190kc), 8-9 p. m., program, Velvetone Radio corporation; 9-10, program, Corduroy Tire Stores, inc., 10-11, Warner Brothers frolic.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-9. Bernie Herman and his dance orchestra.

KHJ, Los Angeles, Calif. (405.2m-740kc), 8-10 p. m., News items and de luxe program; 10-11, Jerry Grant and his dance orchestra.

KLX, Oakland, Calif. (508.2m-590kc), 8-9 p. m., educational program; 9-10, special program.

KNX, Hollywood, Calif. (336.9m-890kc), 7-8 p. m., Feature studio program; 8-9, program, Stewart-Warner Radio dealers; 9-10, El Sereno Country club; 10-11, Edgewater club dance orchestra; 11-12, Ambassador hotel dance orchestra.

Thursday, September 23

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
5 p. m.	4	3	2	1

Dempsey-Tunney fight, broadcast through courtesy of Associated Press over A. P. newspaper stations and stations co-operating with A. P. newspapers.

8	7	6	5	4

WMBB (250m-1200kc), Schubert compositions.

11	10	9	8	7

WQJ (447.5m-670kc), Sylvian Four.
WSWS (275m-1090kc), "The Booking Agency."

11:15	10:15	9:15	8:15	7:15

KWWG (278m-1080kc), Rancheros.

11:30	10:30	9:30	8:30	7:30

KTHS (374.8m-800kc), Heart songs.

12	11	10	9	8

KHJ (405.2m-740kc), Zoellner string quartet.

2	1	12	11	10

KFI (467m-640kc), Azure music club.

For stations silent tonight refer to first Thursday's list.

Atlantic or Eastern Daylight Saving Time Stations

CNRM, Montreal, Can. (410.7m-730kc), 9 p. m., C. N. R. symphony orchestra.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:30 p. m., Cathay Garden orchestra; 7:30, Snellenburg symphony orchestra; 8, Saddler's Plantation Serenaders; 8:30, recital; 8:45, Getz Go-getters; 9, Carolyn Thomas, soprano; 9:30, Musical chefs; 9:45, Professor Doolittle; 10, The Hood Boys.

WEAF, New York, N. Y. (491.5m-610kc), 4-12 midnight, mid-week hymn sing; Meyer Davis' Park Lane orchestra; Clicquot Club Eskimos; Silvertown Cord orchestra; Frank Farrell and his Greenwich Village Inn orchestra.

WEEI, Boston, Mass. (348.6m-860kc), 8-11 p. m., WEAF.

WFI, Philadelphia, Pa. (394.5m-760kc) 6:45 p. m., Adelphia Roof Garden dance orchestra; 8, WEAF.

WHN, New York, N. Y. (361.2m-830kc), 8:30-9 p. m., Loew's Gates theater overture and vaudeville; 11:30-12, Cotton club orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 8 p. m., recital; 10, dance orchestra.

WJAR, Providence, R. I. (485.1m-618kc), 8:30 p. m., musical program; 9, WEAF; 10, WEAF.

WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Hotel Madison concert orchestra; 8, silent drama; 8:30, U. S. Marine band, WRC, WGY, WBZ; 9:30, Royal Typewriter Salon orchestra, WGY, WRC; 10:30, Fireside Boys, WRC, WBZ.

WMCA, New York, N. Y. (340.7m-880kc), 7 p. m., orchestra; 8, Roemers Homers; 9, Solow soloists; 12, Broadway night.

WNYC, New York, N. Y. (526m-570kc), 7 p. m., piano selections; 8, band concert.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Hotel Sylvania dance orchestra.

WOR, Newark, N. J. (405.2m-740kc), 6:15 p. m., Jacques Jacobs' Hotel Shelton ensemble; 7, Jacques Jacobs' Hotel Shelton ensemble; 7:45, Oreste's Queensland orchestra; 8:15, Vanderbilt Hotel orchestra; 9, Arthur Pryor's Band; 10, Chateau Baltusrol orchestra.

Eastern Standard or Central Daylight Saving Time Stations

KYW, Chicago, Ill. (535.4m-560kc), 6:30 p. m., dinner concert; 7, Chicago Evening American studio; 8-9, "Twenty Minutes of Good Reading," Rev. C. J. Pernin; 9-10:30, Edison program; 10:30-12 midnight, carnival.

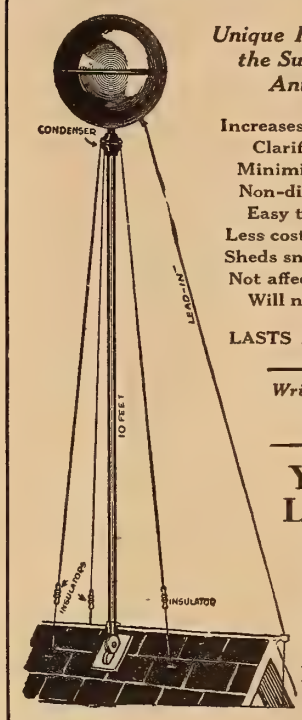
WBAL, Baltimore, Md. ((245.8m-1220kc), 6:30-7:30 p. m., WBAL dinner orchestra; 7:30-8, WBAL mixed quartet; 8-9, WBAL trio; 9-10, dance orchestra.

WBBM, Chicago, Ill. (225.4m-1330kc), 5:15-6 p. m., recital, Eddie Hanson, organist; 8-9:30, Classical program; 9:30-10:15, moss covered melodies; 10:15-10:30, The Izaak Walton hour; 10:30-11:30, Vic Fredericks, baritone, Maurice Silverman, tenor and staff artists; 11:30-12, The Supper club.

WBZ, Springfield, Mass. (333.1m-900kc), 6:33 p. m., Hotel Lenox ensemble; 7:30, Marine band; 8:30, Julia Cullinane, saxophonist; Anne Cullinane, accompanist; George Seaburg, banjoist; Karin Seaburg, accompanist; 9, program; 9:30, Fireside boys.

WCBD, Zion, Ill. (344.6m-870kc), 9 p. m., celestial

Super Ball ANTENNA



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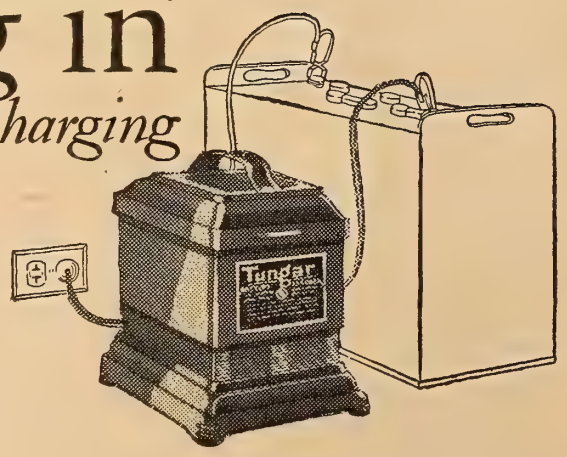

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bells; duets; Mrs. Sparrow, contralto; Ida Peterson, soprano; William C. Dunn, euphonium; Donald Gooden, violinist.
WCFL, Chicago, Ill. (491.5m-610kc), 7 p. m., Florentine string trio; 8, classical hour of music; 10, Alamo orchestra; 11-1, entertainers.
WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., Goldkette's ensemble; 8-10, studio program.
WDBO, Winter Park, Fla. (239.9m-1200kc), 8:40 p. m., Literary Appreciation series; 9, Sanford hour of music.
WEBH, Chicago, Ill. (370.2m-810kc), 7-8 p. m., orchestra; 9-9:45, Edgewater Beach hotel orchestra; songs, Carlos Hatvary, ensemble; 11-12:30 a. m., dance music; guitar solos, Hickey and Johnson; songs, Rita McFawn; Six syncopators.
WGHB, Clearwater, Fla. (266m-1130kc), 7:30-8:30 p. m., dinner music.
WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert, Hotel Tuller; 8, children's half hour; 10-11, WGHP Frolickers; 11-12, Skylark dance band.
WGN, Chicago, Ill. (302.8m-990kc), 6:45-7 p. m., Drake concert ensemble, Blackstone string quintet; 7-7:05, Million sing; Old-Fashioned Almanack; 7:15-8, Paul Ash's orchestra; 8-8:30, musical program; 8:30-9, Curfew Capers; 9-9:30, WEAF; 9:30-10, Phantom violinist; 10:10, Music Box; 10:22-11, WGN studio ensemble.
WGR, Buffalo, N. Y. (319m-940kc), 6:30-7:30 p. m., Vincent Lopez Hotel Statler orchestra; 8-11, WEAF.
WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., book chat; 6:45, studio program; 8, WJZ; 9, musicale; 10:30, Stephen E. Boisclair, organist.
WHT, Chicago, Ill. (399.8m-750kc), 7-8:30 p. m., Al Carney, organist; 8:45 (238m-1260kc), Helen Rauh, organist; Stuart Dawson, poems; 10:30-1 (399.8m-750kc), Al Carney, organist; Billy Alan Huff, popular songs; Little Joe Warner, character songs; Al and Pat.
WJAZ, Chicago, Ill. (329.5m-910kc), 9-12 mid., Chez Pierre; Henrietta Nolan, violinist; Jacob Hannemann, pianist; Sheppard Levine, tenor.
WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Goldkette's Petite symphony orchestra, soloists; 7:30, Gus and McGinnity, entertainers; 8, concert.
WKRC, Cincinnati, Ohio (325.9m-920kc), 10 p. m., Swiss Garden frolic; 11, popular songs; 11:15, Louisville Loons.
WLIB, Chicago, Ill. (302.8m-990kc), 7 p. m., Million sing; 7:05, Old Fashioned Almanack; 7:15, dinner music; 11-11:20, Correll and Gosden; 11:20-1, Ambrose Larsen, organist; Drake hotel dance orchestra; Liberty studio ensemble.
WLS, Chicago, Ill. (344.6m-870kc), 6:30 p. m., organ concert, Al Melgard; 6:45, Maurie Sherman's College Inn orchestra; 7:20, Rose Sherman, violinist; Marie Ludwig, harpist; 7:30, organ concert, Ralph Emerson; 8, surprise time; 8:10, orchestra.
WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., Visconti's orchestra; 7:40, Gibson concert; 8, special program; 10, Latonia Melody Boys; 10:30, Al Kirschner, Pep Golden; 10:40, Irene Downing, Tommy Reynolds; 12:15, Crosley pups.
WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Jack Chapman's orchestra; 8:30, violinist; 9, WMAQ players.
WMBB, Chicago, Ill. (250m-1200kc), 7-8 p. m., Trianon ensemble; 9-11, Trianon orchestra; Lombards; Harry and Leila, John Stamford.
WORD, Batavia, Ill. (275.1m-1090kc), 8 p. m., musical program; 9, musical program.
WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Gardens orchestra; Henrietta Nolan, violinist; 10-2, Jack Klein; Leatrice Wood; Martha Biehl; orchestra.
WRC, Washington, D. C. (468.5m-640kc), 7 p. m., WJZ; 7:30, U. S. Marine band; 9, WJZ; 9:30, WJZ; 10-11, Hotel Mayflower orchestra.
WRVA, Richmond, Va. (256.3m-1170kc), 7:30 p. m., Richmond Radio show; 8:45, Chamber of Commerce, Charlottesville.
WSAI, Cincinnati, O. (325.9m-920kc), 6:45 p. m., chime concert, Robert Badgley; 7-10, WEAF.
WSWS, Chicago, Ill. (275m-1090kc), 7 p. m., Magic crystal; 10, "The Booking Agency"; 11, Hawaiian quartet; Ruby Rossina, blues singer; Art Becker, pianist; Hallalujah boys; 12, Terrace Garden orchestra.
WTAM, Cleveland, Ohio (389.4m-770kc), 6 p. m., Hollenden Hotel orchestra; 7:30, New York studio orchestra; 8, Cliquot Club eskimos from WEAF; 9, studio program; 11, Emerson Gill and his Bamboo Garden orchestra.
WTIC, Hartford, Conn. (475.9m-630kc), 7:30 p. m., Scottie Millar; 8, For-an-to Melody Makers; 9, Colt Park Municipal dance orchestra; 9:30, Hotel Bond dance orchestra.
WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert: 7, WEAF.

Central Standard Time Stations

KFNF, Shenandoah, Ia. (461.3m-650kc), 7 p. m., mixed program.
KOIL, Council Bluffs, Ia. (305.9m-980kc), 6:03 p. m., Strawn Sisters trio; 7, Nelson Painters; 8, Irish Airs; 11, serenaders.
KPRC, Houston, Tex. (296.9m-1010kc), Post-Dispatch Radio exposition.
KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10-9:45 p. m., Lawson Reid, organist; 9:45-10, heart songs, KTHS stringed quartet.
KWWG, Brownsville, Tex. (278m-1080kc), 8:30 p. m., Canciones Mexicanos with guitar; 8:45, Juanita Boory, soprano; 9, John McCleary, violinist; 9:15, Rancheros; 12:01, dance music.
WBAP, Ft. Worth, Tex. (475.9m-630kc), 7:30-8:30 p. m., program; 9:30-11, Davis Saxophone octet; 11-12, novelty program, guitars and mandolins, Southern Melody boys.
WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 7 p. m., WEAF; 9:10, Mu Phi Epsilon national sorority.
WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., School of the Air; 11:45-1 a. m., Nighthawk frolic; Ken Widenor, organist.
WFAA, Dallas, Tex. (475.9m-630kc), 6:30-7:30 p. m., Jimmy Joy's Baker hotel orchestra; 8:30-9:30, Wednesday Morning choral club.
WHAD, Milwaukee, Wis. (275m-1090kc), 6:10 p. m., orchestra; 8:30, Milwaukee Journal Tour club talk.
WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., concert.
WHB, Kansas City, Mo. (365.6m-820kc), 7-7:30 p. m., organ concert; 8-9, Ukulele songsters.
WHO, Des Moines, Ia. (526m-570kc), 7:30-8 p. m., Philbreck's Younker Tea room orchestra; 8-9, Bankers Life trio; 9-12, dance program.
WMC, Memphis, Tenn. (499.7m-600kc), Dempsey-Tunney fight.
WOAI, San Antonio, Tex. (394.5m-760kc), 8:30 p. m., Mistletoe Melody Maids.
WOAW, Omaha, Nebr. (526m-570kc), 6:50 p. m., orchestra; 9, classical.
WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., concert; 10:45, Charles Sheldon, organist.

Mountain Standard Time Stations

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Radio Boys' orchestra, Geo. O'Hara and his ukulele; 8-9, KFI drama hour; 9-10, Program Hawaiian music, Charles Dimond; 10-11, Azure music club.
KFWB, Hollywood, Calif. (252m-1190kc), 8-9 p. m., McGavin Brothers bakeries; 9-10, program, Chapman's Ice Creams; 10-11, Warner Brothers frolic.
KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 9-10, vaudeville.
KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., Uncle John and the children; 8-10, Times program, Zoellner string quartet; Harriet Andrews, soprano.
KNX, Hollywood, Calif. (336.9m-890kc), 7-8 p. m., Carthay Circle theater organ; 8-9, program, Rigali and Veselich; 9-11, KNX feature program; 11-12, Ambassador hotel dance orchestra.

Friday, September 24

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
8:45 p. m.	7:45	6:45	5:45	4:45

WGY (379.5m-790kc), "A Deep Sea Romance," WGY light opera company.

9	8	7	6	5

WCAU (277.6m-1080kc), Regina Crooners.

9:30	8:30	7:30	6:30	5:30

WAHG (315.6m-950kc), Gondoliers.
WCOA (222m-1350kc), Viscuso international trio.

10	9	8	7	6

WLS (344.6m-870kc), Little symphony of Chicago.
WSM (282.8m-1060kc), Masonic quartet.

Atlantic	Eastern	Central	Mountain	Pacific
10:30 p.m.	9:30	8:30	7:30	6:30

WFAA (475.9m-630kc), Edna McDonald and her Dallas artist musicians.

11:25	10:25	9:25	8:25	7:25

KOA (322.4m-930kc), American Indian in story and song.

For stations silent tonight refer to first Friday's list.

Atlantic or Eastern Daylight Saving Time Stations

WAHG, Richmond Hill, N. Y. (315.6m-950kc), 7:30 p. m., studio recital; 8, Grebe music hour; 9, male quartet; 9:30, Gondoliers; 10, dance program.
WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30 p. m., Snellenburg instrumental trio; 8, Barry O'Moore, Irish tenor; 8:30, Anita Lyons, songs; 8:45, Miss Bambina, piano accordion; 9, Regina Crooners; 9:15, recital; 10, Myers Musical Architects.
WEAF, New York, N. Y. (491.5m-610kc), 4-12 midnight; Len Saxon, tenor; Caroline Powers, Thomas, violinist; Happiness Candy Boys; La France orchestra; Whittall 'Anglo-Persians; Pelham Heath Inn orchestra.
WEBJ, New York, N. Y. (272.6m-1100kc), 7 p. m., Blue Bell serenaders; 7:45, Elizabeth Wrtock, Czecho-Slovakian folk songs; 8, Phillip Kromholtz, baritone; 8:15, Carrie Cohen, pianist.
WEEI, Boston, Mass. (348.6m-860kc), 7:30 p. m., Whiting's Four Merry Milkmen; 8, musicale; 8:30, Neapolitan girls' quintet; 9, WEAF; 10, WEAF.
WFI, Philadelphia, Pa. (394.5m-760kc), 6:45 p. m., Adelphia Roof Garden dance orchestra.
WHN, New York, N. Y. (361.2m-830kc), 8-8:30 p. m., Treasureland home owners ensemble; 9-9:30, Loew's Coney Island theater orchestra; 9:30-11, Coney Island Stadium Bouts; 11-11:30, Strand Roof orchestra; 11:30-12, Roseland dance orchestra; 12-12:30, Silver Slipper orchestra.
WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 7, Uncle Wip's bedtime stories.
WJAR, Providence, R. I. (485.1m-618kc), 8:35 p. m., musicale; 10, WEAF.
WJZ, New York, N. Y. (454.3m-666kc), 7:05 p. m., George Olsen's Pennsylvania Hotel orchestra; 8, Marimba band; 9, Sundial Shoe serenaders; Bonnie Laddies; 10, Baldwin hour; 10:30, Hotel Belleclaire Tower orchestra.
WLIT, Philadelphia, Pa., (394.5m-760kc). 8 p. m., Arcadia cafe concert orchestra; 9, Schickerling Radio hour; 10, Morning Glory club concert; Arcadia cafe dance orchestra; 10:30, Rufus and Rastus; 11, Freshman Masterpiece hour.
WMCA, New York, N. Y. (340.7m-880kc), 7:30 p. m., Monte Carlo by the Sea orchestra; 8, 8:45, Broadway association orchestra; 9:30, Klein's Serenading shoemakers.
WNYC, New York, N. Y. (526m-570kc), 6 p. m., piano selections.
WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Hotz-Carlton dance orchestra; 8, WOO orchestra, recital 9, WEAF; 9:30, Fox theater program; 10, Sesqui Centennial concert; 10:30, Sam Brown's dance orchestra.
WOR, Newark, N. J. (405.2m-740kc), 6:35 p. m., Hotel Bretton Hall string quartet; 7:30, Crystal Palace; 8:30, Donald H. Baker, organist; 10:15, Ritz-Carlton dance orchestra.

Eastern Standard or Central Daylight Saving Time Stations

KYW, Chicago, Ill. (535.4m-560kc), 8 p. m., Federal Master artists; 10:30-12, Congress carnival.
WBAL, Baltimore, Mr. (245.8m-1220kc), 6:30-7 p. m., WBAL dinner orchestra; 7:30-8, WBAL Jubilee singers; 8-9, musical program; 9-10, City Park orchestra of Baltimore.
WBBM, Chicago, Ill. (225.4m-1330kc), 5:15-6 p. m., Eddie Hanson, organist; 9-10, Harmony Time and staff artists.
WBZ, Springfield, Mass. (333.1m-900kc), 6:33 p. m., Hotel Kimball trio; 8, Hotel Kimball trio; 9, Larry McCabe and Billy Murray; 9:30, Hotel Brunswick orchestra.
WCFL, Chicago, Ill. (491.5m-610kc), 7 p. m., Florentine string trio; 8, Melting Pot hour; 10, Alamo orchestra; 11-1, entertainers.
WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., Goldkette ensemble; 8-10, music; 10, dance music.
WDBO, Winter Park, Fla. (239.9m-1200kc), 8:10 p. m., organ; 9, Sanlando's popular program.
WEBH, Chicago, Ill. (370.2m-810kc), 7-8 p. m., dinner concert; songs, 9-9:45, Edgewater Beach hotel orchestra; selections, specialties; 11-12:30 a. m., dance music; harp trio.
WGHB, Clearwater, Fla. (266m-1130kc), 8:30-10 p. m., Frederick Hubbard, organist; Mrs. Ethel Morand Weber, soprano; Mrs. Maud Sheridan, contralto; Mrs. F. S. Barrett, violinist.
WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert, Hotel Tuller; 9:30-10, Astringo soloist; 10-11, WGHP entertainers; 11-12, Skylark dance band.
WGN, Chicago, Ill. (302.8m-990kc), 6:35-7 p. m., dinner music, Drake concert ensemble, Blackstone string quintet; 8:10-8:20, Drake concert ensemble; 8:20-8:30, Correll and Gosden; 8:30-9, Fred Hamm and his orchestra; 9-9:30, light opera period; 9:30-10, musical program; 10-10:10, Sam 'n' Henry; 10:10-10:22, Music Box; 10:22-11, WGN studio ensemble.
WGY, Schenectady, N. Y. (379.5m-790kc), 6:35 p. m., Ollie Yettrun, pianist; 6:45, Remington band; 7:45, "A Deep Sea Romance," WGY light opera company; 9:30, musicale.
WGR, Buffalo, N. Y. (319m-940kc), 8:30 p. m., Solow soloists; 9, WEAF; 9:30, Kane and Johnson, Harmony team; 10-10:30, WEAF; 11-1, Vincent Lopez Hotel Statler dance orchestra.

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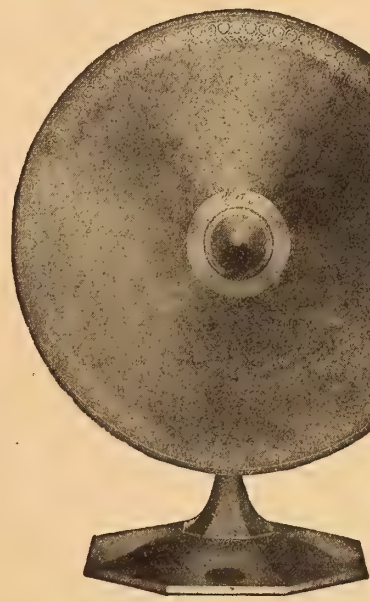

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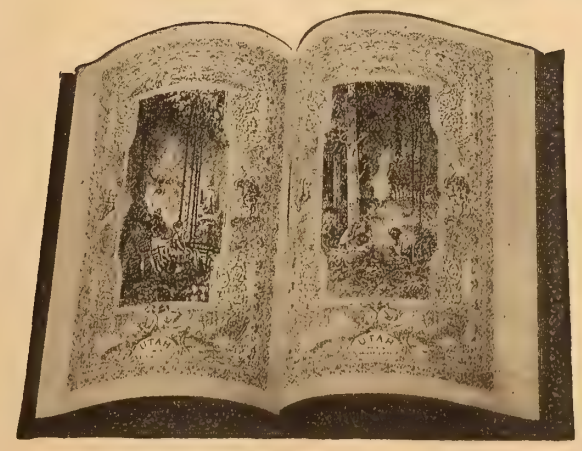

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WHT, Chicago, Ill. (399.8m-750kc), 7-8:30 p. m., Al Carney, organist; Pat Barnes; 8:45-10:15 (238m-1260kc), Helen Rauh, organist; Stuart Dawson, poems; 10-1 (399.8m-750kc), Al Carney, organist; Rita McFaun, soprano; Oscar Heather, tenor; Rita McFaun, soprano; Al and Pat.

WJAZ, Chicago, Ill. (329.5m-910kc), 9-12 mid., Chez Pierre; Dallas Recher, tenor; Helen Meyer, contralto.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Goldkette's Petite symphony orchestra, soloists; 8, concert.

WLIB, Chicago, Ill. (302.8m-990kc), 11 p. m., songs, Correll and Gosden; 11:20-1, Ambrose Larsen, organist; Drake hotel dance orchestra; Liberty studio ensemble.

WLS, Chicago, Ill. (344.6m-870kc), 6:30 p. m., Al Melgard, organist; 6:45, Maurie Sherman's College Inn orchestra; 7:20, Rose Sherman, violinist; Marie Ludwig, harpist; 7:30, Ralph Emerson, organist; 8:10, orchestra, Ford and Glenn; 9:10, Little symphony of Chicago; 10, Medicine show; 11, organ concert, Ralph Emerson.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:50, Wide-Awake club; 8, George Simons, tenor; 8:30, Whitney trio; 9, Mae Graves Atkins, soprano; 9:30, orchestra.

WMBB, Chicago, Ill. (250m-1200kc), 7-8 p. m., Trianon duo; Ruth Lyon; Norman Harte; John Stamford; Harold Thorpe; 9-11, Trianon orchestra; Borden Brothers; Sandy McTavish; Bob Bennett.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Gardens orchestra; Lois Gilman Slonaker, contralto; novelty trio; 10-2, Crosley Radio corporation program; Leatrice Wood; Zeigler Sisters, orchestra.

WORD, Batavia, Ill. (275.1m-1090kc), 8 p. m., musical program; 9, musicale.

WRC, Washington, D. C. (468.5m-640kc), 7 p. m., Wardman Park trio; 8, WJZ; 9, WEAF; 10, Arlington Beach dance orchestra.

WRVA, Richmond, Va. (256.3m-1170kc), 7 p. m., Hotel Richmond orchestra; 8:15, Richmond Radio show; 8:50, studio program; 10, Hotel Richmond orchestra.

WSWS, Chicago, Ill. (275m-1090kc), 6 p. m., semi-classical program; 8, Lillian Knowles, centralto; Zola Haynes, pianist; 10, Harry Davis, Gail Bandel; Georgia Gray, violinist; Terrace Garden orchestra; 12, witching hour.

WTAM, Cleveland, Ohio. (389.4m-770kc), 6:30, Emerson Gill and his Bamboo Garden orchestra; 8, Frank R. Wilson's Euclid Beach Park orchestra; 9, WEAF; 9:30, studio program; 11, Jack Horwitz Collegian serenaders from Far East restaurant.

WTIC, Hartford, Conn. (475.9m-630kc), 7 p. m., Laura C. Gaudet, pianist; 7:30, Travelers Recreation Grounds orchestra; 8:30, novelty numbers, George Ellsworth; 8:45, Gibbs Rhythmic Paraphrasers; 9:30, WTIC Mail Bag; 9:45, Debutants.

WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 8, Detroit News orchestra; 9, WEAF.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 8:30-10:30 p. m., Union Literary society.

KFDM, Beaumont, Tex. (315.6m-950kc), 8-10 p. m., Refinery band.

KFNF, Shenandoah, Ia. (461.3m-650kc), S. S. lesson; 7:30, Lafe Corbin.

KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., Jacquinot Jules; 7, KMOX Radio orchestra; J. L. Bischof, Alma Rotter; 8:30, KMOX Radio orchestra; 9, Do Re Mi Double quartet; 9:30, Scotch program; 10-11, Music Lovers hour.

KOIL, Council Bluffs, Ia. (305.9m-980kc), 6:30 p. m., Mono Motor Oil Entertainers; 7:30, program; 8:30, Jack and Jill.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10-10 p. m., grand opera cycle, Meyer-Davis ensemble.

WBAP, Ft. Worth, Tex. (475.9m-630kc), 7:30-8:30 p. m., concert, Panther Hawaiian trio; 9:40-11, Artie Collins dance orchestra; 11-12, Velma Dean, soloist, latest song hits; Aylene Hoffman, pianist.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6:15 p. m., dinner concert; 8, WEAF; 8:30, Twin City string quartet; 10:05, Emmet Long's Nankin cafe orchestra.

WCOA, Pensacola, Fla. (222m-1350kc), 7-8:30 p. m., U. S. Naval air station band; R. C. McCoy, cornetist; Mrs. W. R. Helie, vocalist; 5 Sparks; Viscuso international trio.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., School of the Air; 8-8:30, WEAF; 8:30-9:15, varied musical program; 11:45-1 a. m., Nighthawk frolic; Ted Meyn, organist; orchestra.

WEMC, Berrien Springs, Mich. (285.5m-1050kc), 9 p. m., old time hymns.

WFAA, Dallas, Tex. (475.9m-630kc), 6:30-7:30 p. m., Walter B. Free; 8:30-9:30, Edna McDonald.

WHAD, Milwaukee, Wis. (275m-1090kc), 6:10 p. m., Arthur Richter, organist; 8:30, Marquette university classical studio program.

WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., special opera program.

WHB, Kansas City, Mo. (365.6m-820kc), 7-8 p. m., Sweeney Radio orchestra.

WHO, Des Moines, Ia. (526m-570kc), 7:30-8 p. m., Younker Tea room orchestra; 8-9, Robert Parker; Irene McNerney Maley; 11-12, dance program.

WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., orchestra; 11, Bob Miller's orchestra.

WOAI, San Antonio, Tex. (394.5m-760kc), 8:30 p. m., San Antonio College of Music program.

WOAW, Omaha, Nebr. (526m-570kc), 6:50 p. m., orchestra; 9, Ford program; Angelo Lupo's dance orchestra, soloists.

WOS, Jefferson City, Mo. (440.9m-680kc), 8:20 p. m., Chic Scoggin, WOS quartet.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., concert; 10:45, concert.

WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., Beasley Smith's orchestra; 8, Masonic quartet; 10, Dutch Ehrhart and his orchestra.

Mountain Standard Time Stations

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra; 8, instrumental program; 8:25, KOA orchestra; American Indian in story and song; Mile High trio.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642), 7-8 p. m., program of popular songs and music; 8-9, Dan L. McFarland, organist; 9-10, Golden hour trio, soloists; 10-11, Packard ballad hour.

KFWB, Hollywood, Calif. (252m-1190kc), 8-9 p. m., Program, Bert Farrar, inc.; 9-10, studio program; 10-11, Warner Brothers frolic.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert.

KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., Uncle John and the children; 8-10, de luxe program, Tower studio.

KNX, Hollywood, Calif. (336.9m-890kc), 7-8 p. m., Velvetone Radio corp.; 8-9, program, Frank Meline company; 9-10, Order of Optimistic Donuts; 10-11, program, Dickenson and Gillespie; 11-12, Ambassador hotel dance orchestra.

Saturday, September 25

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
5 p. m.	4	3	2	1

KUOA (299.8m-1010kc), Football, Arkansas Teachers' college—U. of Ark.

9	8	7	6	5

WMAQ (447.5m-670kc), Musical Potpourri.

10:45	9:45	8:45	7:45	6:45

WCCO (416.4m-720kc), "The Legend of Hiawatha."

11:30	10:30	9:30	8:30	7:30

WBAP (475.9m-630kc), Hired Hand's little symphony.

For stations silent tonight refer to first Saturday's list.

Atlantic or Eastern Daylight Saving Time Stations

CNRO, Ottawa, Can. (434.5m-690kc), 8 p. m., Chateau Laurier concert orchestra; 9, Governor-General's Foot Guards band; Mona Bloomfield.

WEAF, New York, N. Y. (491.5m-610kc), 4-12 mid., Elmer Grosso and his orchestra; Al Lentz' Hofbrau orchestra; musical comedy hits; Ben Bernie's Hotel Roosevelt orchestra; Rolfe's Palais D'Or orchestra.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:45 p. m., Adelphia Roof Garden orchestra; 8, concert from studio; 10, dance orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 7, Uncle Wip's bedtime stories; 8, concert; 10, dance orchestra.

WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Waldorf Astoria Roof orchestra; 10:30, orchestra.

WMCA, New York, N. Y. (340.7m-880kc), 7:30 p. m., Monte Carlo by the Sea orchestra; 11, Hotel McAlpin orchestra; 12, McAlpin entertainers.

WNYC, New York, N. Y. (526m-570kc), 7 p. m., piano selections; 8:30, band concert, Prospect park.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Hotel Sylvania dance orchestra.

WOR, Newark, N. J. (405.2m-740kc), 6:15 p. m., Jacques Jacobs' Hotel Shelton ensemble; 7, Jacques Jacobs' Hotel Shelton ensemble; 7:30, Chateau Baltusrol; 8, Hotel Bretton Hall string quartet; 8:30, Arthur Pryor's band; 9:15, Casino orchestra; 9:45, Berkeley-Carteret orchestra; 10:15, special feature; 10:30, Monterey Society orchestra; 11:15, Ben Bernie's Berkeley-Carteret orchestra.

Eastern Standard or Central Daylight Saving Time Stations

KYW, Chicago, Ill. (535.4m-560kc), 7 p. m., music hour; 8, KYW's Congress hotel studio; 9-10:30, classical concert; 10:30-12 midnight, Congress carnival; Benson orchestra.

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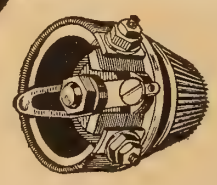

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PWX, Havana, Cuba (400m-750kc), 8:30-11 p. m., Typical Cuban concert.
WBBM, Chicago, Ill. (225.4m-1330kc), 5:15-6 p. m., Eddie Hanson, organist; 8-9:30, Harmony time and staff artists; 9:30-10, moss-covered melodies; 10-11:30, Variety hour, staff artists; 11:30-12:30, supper club; 12:30-2 a. m., Pacific Coast special.
WCFL, Chicago, Ill. (491.5m-610kc), 6:30 p. m., Florentine string trio; 8, vaudeville hour; 10, Alamo orchestra; 11-1, Alamo entertainers.
WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., Goldkette ensemble; 8-10, music.
WDBO, Winter Park, Fla. (239.9m-1200kc), 9 p. m., Winter Park program; 11, Owens and Willox.
WEBH, Chicago, Ill. (370.2m-810kc), 7-8 p. m., Sunday School lesson; Edgewater Beach orchestra; songs, Florence Behrend; string quartet; 9-9:45, dance music; vocal, instrumental selections; 11-12, dance music, quartet; Carl Linner, pianist; 1-2 a. m., dance music, specialties.
WGN, Chicago, Ill. (302.8m-990kc), 6:45-7 p. m., musicale; 7-7:20, Million sing; 7:20-7:30, Old-Fashioned Almanack; 7:30-8, musicale; 8-8:15, Drake concert ensemble, Blackstone string quintet; 8:15-8:45, WEAF; 8:45-9, musical program; 9-10, Our Music room; 10-10:10, Sam 'n' Henry; 10:10-11, WGN studio ensemble.
WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., Shea's Buffalo hour, WMAK; 9:30, dance program.
WHT, Chicago, Ill. (399.8m-750kc), 7-8:30 p. m., Al Carney, organist; Eleanor Gilmour, soprano; 8:45-10:15 (238m-1260kc), Helen Rauh, organist; Stuart Dawson, poems; 10:30-1 (399.8m-750kc), Pat Barnes, Al Carney; John Norton, harmonica soloist; Al and Pat.
WJAZ, Chicago, Ill. (329.5m-910kc), 9-1 a. m., Chez Pierre; Marie Wright, soprano; Avery McIntyre, pianist; Elmer Winthrop, baritone; quartet.
WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Goldkette's Petite symphony orchestra, soloists; 7:30, Lagoona Gondoliers; 8, concert; 11:30, Merry Old Chief and Jewett Jesters.
WKRC, Cincinnati, Ohio (325.9m-920kc), 10 p. m., Louisville Loons; Sam Jones; 11:15, Louisville Loons.
WLS, Chicago, Ill. (344.6m-870kc), 6:30 p. m., Al Melgard, organist; 7:15-1 a. m., National Barn dance, fiddlers; Surprise time; orchestra, twin wheeze, Ford, Glenn and Ralph.
WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., Johanna Grosse, organist; 8:30, Air City banjo boys; 9, Castle Farm dance music.
WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Jack Chapman's orchestra; 8, music; 9, Chicago theater revue.
WMBB, Chicago, Ill. (250m-1200kc), 7-8 p. m., Trianon ensemble; John Stamford; Hazel O'Neil; Preston Graves; 9-11, Trianon orchestra; Jimmie Eggert; Jack Goodwin.
WORD, Batavia, Ill. (275.1m-1090kc), 7 p. m., Webster hotel concert program; 9, studio program.
WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Gardens orchestra; Frances Rosemary Scheib, soprano; E. H. Zander, Jr., bass; Sheppard Levine, tenor; 10-2, Jack Klein; Leatrice Wood; Martha Biehl; Morton & Mayo.
WRC, Washington, D. C. (468.5m-640kc), 7 p. m., Hotel Washington orchestra; 7:30, WJZ; 9:30, WJZ; 10:30, to be announced; 11-12, Otto F. Beck, organist.
WSAI, Cincinnati, O. (325.9m-920kc), 8:30 p. m., sextet; 9:30, popular songs, Lelia LeMar.
WSWS, Chicago, Ill. (275m-1090kc), 6-7 p. m., classical program; 8-9, Ned Becker, humorist; 10-11, Terrace Garden orchestra; Freddie Wittmer, pianist; Cook Sisters; 12-1, Witching hour.
WTAM, Cleveland, Ohio (389.4m-770kc), 6:15 p. m., Hotel Cleveland orchestra; 7:30, studio program; 8, Hollenden Hotel orchestra; 9, Vaudeville program from studio, Ev Jones' merrymakers and assisting entertainers.
WTIC, Hartford, Conn. (475.9m-630kc), 7:30 p. m., municipal dance orchestra.

Central Standard Time Stations

KFAB, Lincoln, Nebr. (340.7m-880kc), 8:30-10:30 p. m., Harmony Boys orchestra.
KFNF, Shenandoah, Ia. (461.3m-650kc), 7 p. m., mixed program; 11, old time music.
KLDS, Independence, Mo. (440.9m-680kc), 8 p. m., studio program.
KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., Jacquinot Jules, organist; 7, KMOX Radio orchestra; 8, KMOX Radio orchestra; Porter Brown, banjolier; 9, "Backstage," drama; 9:30, KMOX Radio orchestra; 10-11, dansant nuit.
KOIL, Council Bluffs, Ia. (305.9m-980kc), 6:03 p. m., Ray-O-Vac Twins; 7:30, Marie Uhlig, pianist; 11, serenaders.
KPRC, Houston, Tex. (296.9m-1010kc), 7:30 p. m., Frank Tilton, pianist; 8:15, Graham Lyceum trio; 10, slogan prizes.
KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10-10 p. m., dance concert, New Arlington hotel orchestra.
WBAP, Ft. Worth, Tex. (475.9m-630kc), 8-8:30 p. m., Smith Ballew's Ft. Worth club orchestra; 9:30-11, Hired Hand Little symphony.
WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6:15 p. m., dinner concert; 8:45, "The Legend of Hiawatha," Gertrude O'Neil Ganley, reader; Lucille Frankman Murphy, pianist; Bellson Brothers quartet; Corinne Jordan, entertainer; Hildegarde Hoppe, xylophonist; 10:05, dance music.
WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., School of the Air; 8-9, around the town; 11:45-1 a. m., Night Hawk frolic.
WFAA, Dallas, Tex. (475.9m-630kc), 6:30-7:30 p. m., Jimmy Joy's Baker hotel orchestra; 8:30-9:30, Pierce Petroleum corporation; 11-12, Jack Gardner's Adolphus hotel orchestra.
WHAD, Milwaukee, Wis. (275m-1090kc), 6:10 p. m., orchestra.
WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., concert, Ellen Bachus, soprano.
WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., concert, Dr. George L. Powers, director.
WOAW, Omaha, Nebr. (526m-570kc), 9 p. m., program.
WSB, Atlanta, Ga. (428.3m-700kc), Atlanta Atwater Kent hour; 10:45, Journal Hired Help Skylark.
WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., Beasley Smith's orchestra; 8, barn dance, Tennessee State fair.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Billy Cox and his orchestra, Paul Roberts, soloist; 8-9, Angelus string quartet, Leslie Adams; 9-10, Associated Packard dealers of California; KPO, 10-11, Packard Radio club; 11-2 a. m., KFI midnight frolic.
KFWB, Hollywood, Calif. (252m-1190kc), 8-9 p. m., Bill Hatch and his dance orchestra; 9-10, varied program; 10-11, Warner Brothers frolic.
KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 10-12, dance music, George Rose and his band; solos, Punch Green.
KHJ, Los Angeles, Calif. (405.2m-740kc), 8-10 p. m., Times feature presentation; Karl Brandenburg, tenor.
KNX, Hollywood, Calif. (336.9m-890kc), 7:30-9 p. m., feature program; 9-10, Rondith corp. program; 10-11, Ambassador hotel dance orchestra; 11-2 a. m., Hollywood Nite frolic, Edgewater club.

Sunday, September 26

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
8 p. m.	7	6	5	4

WJAZ (329.5m-910kc), Chez Pierre club.

9	8	7	6	5

WLW (422.3m-710kc), Crosley Salon orchestra.

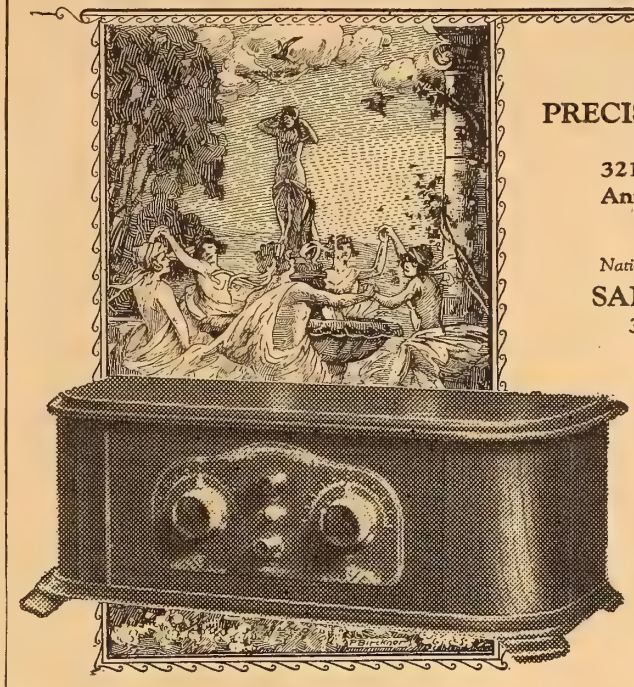
9:15	8:15	7:15	6:15	5:15

WEAF (491.5m-610kc), WEEI (348.6m-860kc), WSAI (325.9m-920kc), WGR (319m-940kc), WWJ (352.7m-850kc), WGN (302.8m-990kc), WCCO (416.4m-720kc), KSD (545.1m-550kc), Allen McQuhae.

9:45	8:45	7:45	6:45	5:45

WEEI (348.6m-860kc), Keith's Radio review.

ARBORPHONE



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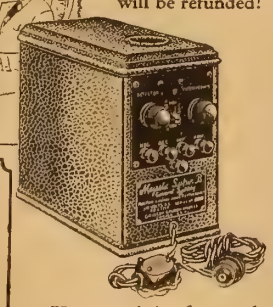

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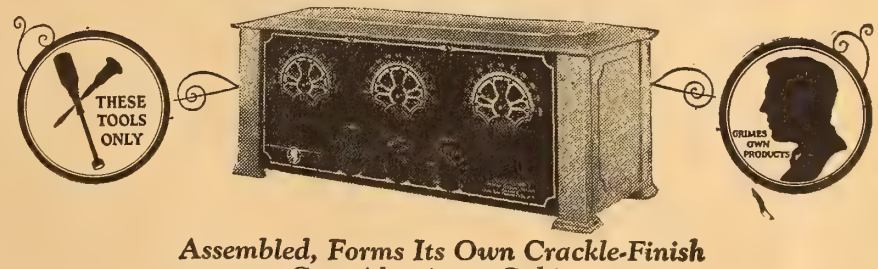

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You know as well as anyone the way to go about it. You start with the best parts obtainable. You select, if possible, some radio engineer who is also striving for perfection, as your guide as to circuit and assembly. Then you go to it and get "laboratory results."

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Atlantic	Eastern	Central	Mountain	Pacific
12 m.	11	10	9	8

KHJ (405.2m-740kc), Orpheus Four male quartet.

1 a.m.	12	11	10	9

WFAA (475.9m-630kc), Amphion male quartet.

For stations silent tonight refer to first Sunday's list.

Atlantic or Eastern Daylight Saving Time Stations

WCAU, Philadelphia, Pa. (277.6m-1080kc), 5 p. m., recital; 5:15, church services; 5:40, recital; 6:30, Hotel Pennsylvania concert orchestra; 7:30, Cathay concert orchestra.
WEEI, Boston, Mass. (348.6m-860kc), 2 p. m., Sager's hour of hospitality; 7:20, WEAF; 9:15, WEAF; 9:45, Keith's Radio review.
WFI, Philadelphia, Pa. (394.5m-760kc), 7:30 p. m., services, Arch st. Presbyterian church.
WIP, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., services, Holy Trinity church.
WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., carillon; 7:25, Hotel Pennsylvania orchestra; 9:30, Godfrey Ludlow, WGY.
WLIT, Philadelphia, Pa. (394.5m-760kc), 2:30 p. m., Arcadia cafe concert orchestra.
WMCA, New York, N. Y. (340.7m-880kc), 7 p. m., Hotel McAlpin orchestra; 7:30, Monte Carlo by the Sea orchestra.
WOO, Philadelphia, Pa. (508.2m-590kc), 10:30 a. m., services, Bethany Presbyterian church; 2, Sunday School exercises; 6, organ recital.

Eastern Standard or Central Daylight Saving Time Stations

KYW, Chicago, Ill. (535.4m-560kc), 11 a. m., Second Presbyterian church; 4, studio concert; 9:30-11, classical concert.
WDBO, Winter Park, Fla. (239.9m-1200kc), 7:30 p. m., outdoor church service.
WEBH, Chicago, Ill. (370.2m-810kc), 10:45 a. m.,-12 noon, Seventh Church of Christ, Scientist; 7-9 p. m., Edgewater Beach hotel orchestra; concert; Kenyth Dunn, pianist.
WGHP, Detroit, Mich. (270.1m-1110kc), 11 a. m., Grosse Pointe Memorial church.
WGN, Chicago, Ill. (302.8m-990kc), 6:45-7 p. m., Drake concert ensemble, Blackstone string quintet; 8-9, WEAF; 10-10:10, Sam 'n' Henry; 10:10-10:20, Music Box; 10:20-11, WGN studio ensemble.
WGY, Schenectady, N. Y. (379.5m-790kc), 10:30 a. m., Unitarian church; 3 p. m., Syracuse musicale, WFBL; 7:30, Unitarian church.
WHT, Chicago, Ill. (399.8m-750kc), 3 p. m., Paul Rader.
WJAZ, Chicago, Ill. (329.5m-910kc), 7-9 p. m., Chez Pierre club; John Beurett Ham, baritone; Hazel Sims, pianist; Ethel Schnertaler, violinist.
WJR, Pontiac, Mich. (516.9m-580kc), 10 a. m., First Baptist church; 8, concert; 10, special song service, First Baptist church.
WLIB, Chicago, Ill. (302.8m-990kc), 5 p. m., Liberty studio ensemble; 5:45, Edward Benedict.
WLS, Chicago, Ill. (344.6m-870kc), 1:45-2:30, Chicago church federation; 7-8:55, Little Brown Church in the Vale; trio.
WLW, Cincinnati, Ohio (422.3m-710kc), 9:30 a. m., Sunday school; 11, Seventh Presbyterian church; 3 p. m., organ; 7:30, First Presbyterian church; 8:30, Crosley Salon orchestra.
WMBB, Chicago, Ill. (250m-1200kc), 3-5 p. m., Trianon duo; Bob Smith; Bob Duffy; John Stamford; 7-8, special program; 9-11, Trianon orchestra; Lombards; Harry and Leila; Sandy McTavish; Frank Bordner; Bob Bennett.
WRC, Washington, D. C. (468.5m-640kc), 11 a. m., N. Y. Ave. Presbyterian church; 4 p. m., services, Peace Cross; 6:20, WEAF; 8:15, WEAF; 8:45-10, vesper hour.
WSAI, Cincinnati, Ohio (325.9m-920kc), 7:45 p. m., chime concert, Robert Badgley; 8, sermonette; 8:15, WEAF; 8:45, WEAF.
WSWS, Chicago, Ill. (275m-1090kc), 11 a. m., Moody church; 3:30, service; 7-9:30, song service.
WTAM, Cleveland, Ohio (389.4m-770kc), 6 p. m., Hollenden Hotel orchestra; 7, Park theater orchestra; 8, Twilight musicale.
WWJ, Detroit, Mich. (352.7m-850kc), 10 a. m., First Presbyterian church; 2 p. m., Detroit News orchestra; 6:20, WEAF; 8:15, WEAF.

Central Standard Time Stations

KFAB, Lincoln, Neb. (340.7m-880kc), 9-10 p. m., Sunday evening musicale.
KFNF, Shenandoah, Iowa (461.3m-650kc), 6:30 p. m., Golden Rule circle; 8, Christian church.
KMOX, St. Louis, Mo. (280.2m-1070kc), 9 p. m., Skouras Brothers Sunday night club.
KOIL, Council Bluffs, Iowa (305.9m-980kc), 11 a. m., First Congregational church; 7:30, Charlestonians; 11, serenaders.
KPRC, Houston, Texas (296.9m-1010kc), 9:50 a. m., Trinity Lutheran church; 8 p. m., First Christian church; 9:30, concert; 11, J. Benson Carlisle, pipe organist.
KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 11 a. m.-12:15 p. m., St. Luke's Episcopal church; 9:10-10, classic hour, Meyer Davis ensemble, soloists; 10, organ.
WBAP, Ft. Worth, Texas (475.9m-630kc), 11 a. m.-12:30 p. m., First Methodist church; 9:30-11, concert, Sorin-White Top o' Texas orchestra.
WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 10:50 a. m., Plymouth Congregational church; 4:10 p. m., House of Hope Presbyterian church; 7:15, WEAF; 9:30, Hugo Philler Goodwin, organist.
WEMC, Berrien Springs, Mich. (285.5m-1050kc), 8:15 p. m., choir and church service.
WFAA, Dallas, Texas (475.9m-630kc), 6-7 p. m., Bible Class; 8-9, First Church of Christ, Scientist; 11-12, Amphion male quartet.
WHAS, Louisville, Ky. (399.8m-750kc), 10 a. m., Broadway Baptist church; 4:30-5:30, Christ church cathedral.
WKRC, Cincinnati, Ohio (325.9m-920kc), 6:45 p. m., Walnut Hills Christian church; 10, classical program; 12:15, Louisville Loons.
WOAI, San Antonio, Texas (394.5m-760kc), 11 a. m., First Presbyterian church; 7:45 p. m., Central Christian church.
WOAW, Omaha, Nebr. (526m-570kc), 9 a. m., chapel service; 1:30 p. m., Father Flanagan's Boys' home period; 2:30, old time songs for shut-ins; 9, chapel service.
WSB, Atlanta, Ga. (428.3m-700kc), 5 p. m., sacred concert; 8, Baptist Tabernacle services.
WSM, Nashville, Tenn. (282.8m-1060kc), 7:30 p. m., First Presbyterian church.
WSUI, Iowa City, Iowa (483.6m-620kc), 9 p. m., familiar hymns.

Mountain Standard Time Stations

KOA, Denver, Colo. (322.4m-930kc), 11 a. m., Augustana Lutheran church; 5:30, Mrs. S. Clarence Trued, organist; 6:30, Lamont School of music; 7:30, Augustana Lutheran church.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Jim, Jack and Jean trio; 8-9, Aeolian organ recital; 9-10, Lake Arrowhead dance orchestra; 10-11, Packard Six dance orchestra.
KFWB, Hollywood, Calif. (252m-1190kc), 9-11 p. m., Warner Bros. Sunday night movie frolic with favoriite radio entertainers.
KHJ, Los Angeles, Calif. (405.2m-740kc), 7-8 p. m., service, First M. E. church of Los Angeles; 8-10, Orpheus Four male quartet; MacMurray.
KNX, Hollywood, Calif. (336.9m-890kc), 7-8 p. m., Circle theater organ and orchestra; 8-9, First Presbyterian church of Hollywood; 9-10:30 p. m., Program, Beverly Hills Nurseries.

Monday, September 27

Headliners Today

10:30 p. m.	9:30	8:30	7:30	6:30

KWWG (278m-1080kc), Comedy sketch.
WMC (399.8m-750kc), Britling Melody Makers.

11:25	10:25	9:25	8:25	7:25

KOA (322.4m-930kc), Religious melodies.

Atlantic	Eastern	Central	Mountain	Pacific
12:45 a.m.	11:45	10:45	9:45	8:45

WSB (428.3m-700kc), Troutts Melody artists.

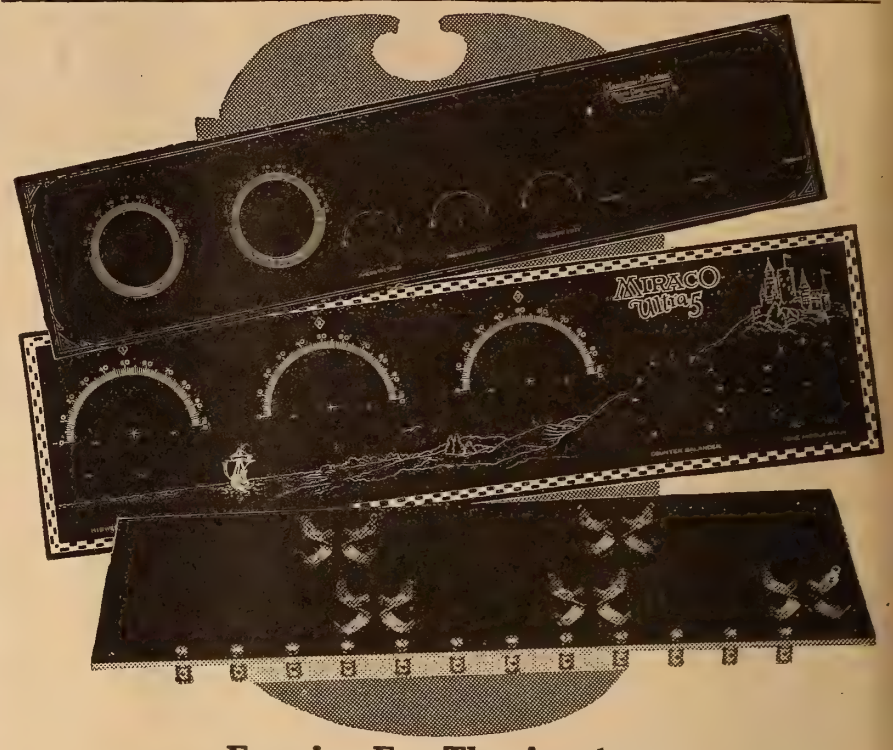
1	12	11	10	9

WBAP (475.9m-630kc), St. James male quartet.

For stations silent tonight refer to first Monday's list.

Atlantic or Eastern Daylight Saving Time Stations

CHIC, Toronto, Can. (356.9m-840kc), 8 p. m., George H. Graham, organist.
CKNC, Toronto, Can. (356.9m-840kc), 9 p. m., Eveready Little Symphony orchestra.
WAHG, Richmond Hill, N. Y. (315.6m-950kc), 8 p. m., Synchrophase hour; 9:15, artists' recital; 10, popular music; 12, variety program.
WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30 p. m., recital, N. Snellenburg and company; 8, The Three Rascals; 8:15, recital; 8:30, concert; 8:45, Merry Minstrels; 9:30, Chalfont Sisters; harmony songs; 9:45, Count Tom Kelly, Irish comedian; 9:50, recital.
WEEI, Boston, Mass. (348.6m-860kc), 8:15 p. m., Varsity Tire entertainers; 9, Cape Cod steamship company program, orchestra; 9:30, Ed Andrews' Nautical dance orchestra.
WFI, Philadelphia, Pa. (394.5m-760kc), 6:45 p. m., Adelphia Roof Garden dance orchestra.



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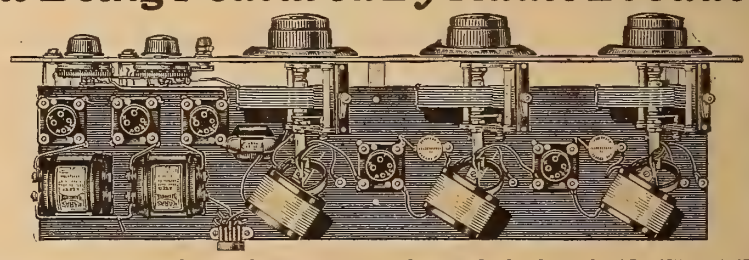

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WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 7, Uncle Wip's bedtime stories.
WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Hotel Madison dinner orchestra; 7:55, John B. Kennedy; 9, Maxwell House Coffee ensemble, WRC; 10:30, Harold Leonard's Waldorf Astoria Roof orchestra.
WLIT, Philadelphia, Pa. (394.5m-760kc), 9 p. m., Stanley Hour of Music; 10, Arcadia cafe dance orchestra; 10:30, vaudeville features.
WMCA, New York, N. Y. (340.7m-880kc), 6:30 p. m., Hotel McAlpin orchestra; 7:30, Monte Carlo by the Sea orchestra; 9:15, Hardman hour of music; 12, McAlpin entertainers.
WNYC, New York, N. Y. (526m-570kc), 6 p. m., piano selections.
WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Sylvania dance orchestra; 8, organ recital, Mary E. Vogt; 8:30, Sesqui Centennial concert; 10:30, Sam Brown's dance orchestra.
WOR, Newark, N. J. (405.2m-740kc), 6:15 p. m., Jacques Jacobs' Hotel Shelton ensemble; 7, Jacques Jacobs' Hotel Shelton ensemble; 7:30, Brooklyn Daily Eagle program; 8, Newark Philharmonic band; 9, Klein's Serenading Shoemakers; 10, Monterey Society orchestra; 10:30, Monterey concert quintet; 11:15, Ben Bernie's Berkeley-Carteret orchestra.

Eastern Standard or Central Daylight Saving Time Stations

WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30, p. m., WBAL dinner orchestra; 7:30-8, WBAL male quartet; 8-9, WBAL trio; 9-10, dance orchestra.
WDBO, Winter Park, Fla. (239.9m-1200kc), 9 p. m., Orlando Chamber of Commerce.
WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., Goldkette ensemble; 8-10, concert.
WGHB, Clearwater, Fla. (266m-1130kc), 8:30-10 p. m., Caroline Lee, Virginia Girl; Huey Charlton, novelty hand saw.
WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., Hotel Tuller; 8, Little symphony; 8:30-9:30, WGHP ensemble; 9:30-10, Astringo soloists.
WGR, Buffalo, N. Y. (319m-940kc), 9-10 p. m., Jewish Community building; 11-1, Vincent Lopez Hotel Statler orchestra.
WGY, Schenectady, N. Y. (379.5m-790kc). 6:30 p. m., Hotel Van Curler.
WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Goldkette's Petite symphony orchestra, soloists; 7:15, Caspar Lingeman entertainers; 7:45, Good Will Oakland and Chief Pontiac; 8, concert.
WLW, Cincinnati, O. (422.3m-710kc), 7 p. m., Robert Visconti's orchestra; 8, Commercial Tribune features; 9, Calumet Baking Powder company; Rainbow Garden hour.
WRVA, Richmond, Va. (256.3m-1170kc), 8:45 p. m., J. Harold Lawrence, pianist; 9:30, Joseph Whittemore; 10:30, Hotel Richmond orchestra.
WTAM, Cleveland, O. (389.4m-770kc), 6 p. m., Hollenden hotel orchestra; 7, Allen theater orchestra; 8, studio program; 11, Emerson Gill and his Bamboo Garden orchestra.
WTIC, Hartford, Conn. (475.9m-630kc). 7:30 p. m., U. S. Coast Guard Academy band; 9, grand opera hour; 10:03, Capitol theater organ.
WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 8, orchestra.

Central Standard Time Stations

KOIL, Council Bluffs, Ia. (305.9m-980kc), 6:03 p. m., Evangeline Higgins, pianist; Roberta Skipton DeVry, soprano; 7:30, John G. Woodward, Candy Man; 9, Nauticals; 10, Crosley Radio corporation; Barnyard twins; Crosley Sisters.
KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10-10 p. m., melange of popular classics, staff artists.
Ramblers orchestra; 12:01, dance music.
WBAP, Ft. Worth, Tex. (475.9m-630kc), 7:30-8:30 p. m., concert, Alleen Patterson Duff, contralto; entertainers; 9:30-11, old-time musical program, Grapevine fiddle band; 11-12, St. James male quartet.
WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 8 p. m., WEAF; 9, musical program.
WFAA, Dallas, Tex. (475.9m-630kc), 6:30-7:30 p. m., Hawaiian music; 8:30-9:30, Sears-Roebuck Agricultural Foundation program.
WHB, Kansas City, Mo. (365.6m-820kc), 7-8 p. m., Sweeney Radio orchestra.
WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Britling cafeteria novelty orchestra.
WOAI, San Antonio, Tex. (394.5m-760kc), 8:30 p. m., Sunshine laundry orchestra.
WOAW, Omaha, Neb. (526m-570kc), 6:50 p. m., orchestra; 9, classical.
WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., Sears-Roebuck Agricultural Foundation program; 10:45, Troutts Melody artists orchestra.
WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., Andrew Jackson hotel trio; 8, studio program; 10, Vito and his Radio Seven.
WSUI, Iowa City, Ia. (483.6m-620kc), 8 p. m., musical program; 11:15, organ numbers, Elaine Blair.

Mountain Standard Time Stations

KOA, Denver, Colo. (322.4m-930kc), 8 p. m., Scheuerman's Colorado orchestra; 8:20, Scott Methodist Episcopal church chorus.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Owen Fallon's Californians; Jackie Lucas, soloist; 8-9, classic hour; 9-10, program for Walter M. Murphy Motors company, also broadcast by KPO; 10-11, program arranged by the Meiklejohn Brothers.
KFWB, Hollywood, Calif. (252m-1190kc), 7:30-8 p. m., program, Dr. Ralph Mitchell and Associated Dentists; 8-9, program, Sealy Mattress company; 9-10, program, American Dye Works; 10-11, Warner Brothers frolic.
KNX, Hollywood, Calif. (336.9m-890kc), 7-7:30 p. m., Music Arts Studio building; 7:30-8, program, Overell's Furniture company; 8-9, L. W. Stockwell company program; 9-10, Julian Petroleum corporation program; 10-11, Alexandria hotel dance orchestra; 11-12, Ambassador hotel dance orchestra.

Tuesday, September 28

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
9:10 p. m.	8:10	7:10	6:10	5:10
WLW (422.3m-710kc), Tenth Infantry band.				
9:30	8:30	7:30	6:30	5:30
WGHP (270m-1110kc), Dodge Brothers band.				
10	9	8	7	6
WHB (365.6m-820kc), Ararat Shrine serenaders.				
11 p.m.	10	9	8	
KPRC (296.9m-1010kc), Arabia Temple Shrine band.				
WCX (516.9m-580kc), Red Apple club.				
1 a. m.	12	11	10	9
WMC (399.8m-750kc), Moonlight syncopators.				

For stations silent tonight refer to first Tuesday's list.

Atlantic or Eastern Daylight Saving Time Stations

WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30 p. m., Snellenburg recital; 8, popular songs; 8:15, Gurnse Buttermakers; 8:30, Peter Ricco, baritone; 8:45, Charles Higgins, songs; 9, Al Wolham, songs; 9:30, recital; 9:45, Chic Griffiths, piano fiend; 10, Cathay dance orchestra.
WFI, Philadelphia, Pa. (394.5m-760kc), 6:45 p. m., Adelphia Roof Garden dance orchestra; 8, WEAF.
WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 7, Uncle Wip's bedtime stories; 8, recital; 10:30, Emo's weekly movie talk; 11, dance orchestra; 11:30, Germantown theater organ recital.
WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Frank Dole; 7:20, Waldorf Astoria Roof orchestra; 8, Markel's orchestra; 8:30, Deltah Pearl hour, WRC, WGY; 9, Pennsylvania Railroad hour, WGY, WRC; 10, Cooks Southern Hemisphere cruise, WRC, WGY; 10:45, George Olsen's Hotel Pennsylvania Roof orchestra.
WLIT, Philadelphia, Pa. (394.5m-760kc), 7:30 p. m., Benjamin Franklin concert orchestra; 7:30, dramatic review, Allyn C. Saurer.
WMCA, New York, N. Y. (340.7m-880kc), 7 p. m., orchestra; 9:30, Columbia Park entertainers; 11, Hotel McAlpin orchestra.
WNYC, New York, N. Y. (526m-570kc), 6 p. m., piano selections.
WOR, Newark, N. J. (405.2m-740kc), 6:35 p. m., Hotel Bretton Hall string quartet; 7:25, Premier club orchestra; 8:15, Vanderbilt hotel orchestra; 9, Donald H. Baker, organist; 10, Jimmy Caruso's frolic; 10:30, Ritz-Carlton dance orchestra.

Eastern Standard or Central Daylight Saving Time Stations

KYW, Chicago, Ill. (535.4m-560kc), 7 p. m., music hour; 8, American farm bureau; 9-10:30, special concerts, staff artists; 10:30-12, Congress carnival.
WBAL, Baltimore, Md. (245.8m-1220kc), 6:30-7:30 p. m., dinner orchestra; 7:30-8, Mandolin orchestra; 8-9, George Bolek, pianist; Katherine Whitelock, violinist; 9-10, City Park orchestra of Baltimore.
WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., Goldkette ensemble; 10, Red Apple club.
WEBH, Chicago, Ill. (370.2m-810kc), 7-8 p. m., dinner concert, songs, harp solos, ensemble; 9-9:45, organ recital; 11-12:30 a. m., Edgewater Beach hotel orchestra, artists.
WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert, Hotel Tuller; 8:30-9:30, Dodge Brothers Inc. concert band; 9:30-10, studio program.
WGR, Buffalo, N. Y. (319m-940kc), 6:30-7:30 p. m., Vincent Lopez Hotel Statler orchestra; 8-11, WEAF.
WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., dinner music, Hotel Ten Eyck; 7:30, WJZ; 8, WJZ; 9, WJZ.
WHT, Chicago, Ill. (399.8m-750kc), 7-8:30 p. m., Al Carney, organist; Riverview Melody Masters; 8:45-10:15 (238m-1260kc), organ; orchestra; 10:30-1, (399.8m-750kc), Al Carney, organist; Bel Canto male quartet; Ann Slack, cellist; orchestra.
WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Jean Goldkette's Petite symphony orchestra, soloists; 8-8:30, Mazer-Cressman; 9, studio.
WLIB, Chicago, Ill. (302.8m-990kc), 7 p. m., Million sing; 7:05, Old Fashioned Almanack; 7:15, dinner music; 7:30, Gold Dust Twins; 11, Correll and Gosden; 11:20, Ambrose Larsen, organist; Drake hotel dance orchestra; Liberty studio ensemble.
WLS, Chicago, Ill. (344.6m-870kc), 6:30 p. m., Al Melgard, organ concert; 6:45-7, Maurie Sherman's College Inn orchestra; 7:20, Prof. E. Frazier, reader; 7:30, Ralph Emerson, organist; 8, Surprise time, orchestra; 8:20-8:55, Ford and Glenn.
WLW, Cincinnati, Ohio (422.3m-710kc), 7:30 p. m., Castle Farm dance music; 8:10, Tenth Infantry band; 9, Formica symphony orchestra; 10, dance music.
WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., organ; 6:30, Jack Chapman's orchestra; 8, book review, Keith Preston; 8:30, weekly talk; 8:40, music; 9, artists; 9:30, Jack Chapman's orchestra.
WMBB, Chicago, Ill. (250m-1200kc), 7-8 p. m., Trianon ensemble; Genevieve Burnham; 9-11, Trianon orchestra; ensemble; Mabel Bagley, contralto; Sandy McTavish, Scotch comedian.
WSWS, Chicago, Ill. (275m-1090kc), 8 p. m., Truman Agland, pianist; Georgia Gray, violinist; Fred Hamm's Terrace Garden orchestra; 10, frolic; 12, witching hour.

Central Standard Time Stations

KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., Jacquinot Jules, organist; 7, Little Red Schoolhouse; 8, KMOX Radio orchestra; 9, "Pre-Volstead Days," presentation; 10-11, KMOX Radio orchestra.

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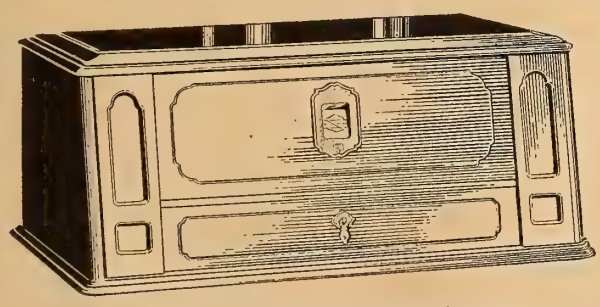

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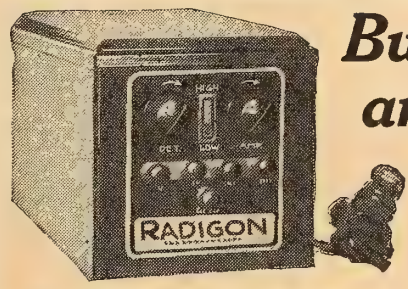

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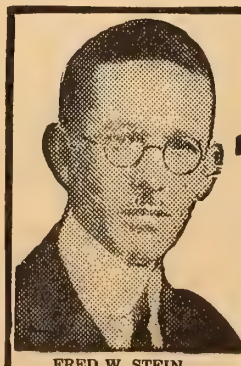
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WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6:30 p. m., WEAF; 8, musicale; 9:30, Outdoors in Minnesota.

WFAA, Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m., Foxtrotters orchestra; 8:30-9:30, Elizabeth Gay Jones, pianist; 11-12, Jimmy Joy's Baker hotel orchestra.

WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., Eddie Rosson's orchestra.

WHB, Kansas City, Mo. (365.6m-820kc), 8-9:15 p. m., Ararat Shrine serenaders.

WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Hotel Gayoso orchestra; 11, Moonlight syncopators.

WOAW, Omaha Nebr. (526m-570kc), 6:50 p. m., orchestra; 9, program, popular and old-time music; 10:15, Movie club, Dr. Applesauce presiding.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., concert; 10:45, Buchanans Bohemian orchestra.

WSM, Nashville, Tenn. (282.8m-1060kc), 8 p. m., studio program; 10, program.

Mountain Standard Time Stations

KOA, Denver, Colo. (322.4m-930kc), 8:30 p. m., wit and humor of the age.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Virginia ballroom orchestra; Parks Sisters; 8-9, Screen Artists' string quartet, Robert Hurd, soloist; 9-10, Leo Rabitz, violinist; Truth Tyler Plock, pianist; 10-11, Packard ballad hour.

KFWB, Hollywood, Calif. (252m-1190kc), 8-9 p. m., Franklin Building and Loan ass'n; 9-10, studio program; 10-11, Warner Brothers' frolic.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 10-12, dance music, George Rose and his band; Curt Kramer, pianist.

KHJ, Los Angeles, Calif. (405.2m-740kc), 8-10 p. m., Stewart-Warner quartet, and others; 10-11, L. A. Ry. dance orchestra.

KNX, Hollywood, Calif. (336.9m-890kc), 7-7:45 p. m., program, Dearden's Furniture company; 8-9, program, Builders' Finance ass'n; 9-10, Western Auto Supply company program; 10-12, Ray West's Cocoanut Grove dance orchestra from the Ambassador.

Wednesday, September 29

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
9:30 p.m.	8:30	7:30	6:30	5:30

WCOA (222m-1350kc), High Flyers in Melody and Jazz.

WGHB (265.3m-1130kc), Mrs. Carl Stevens, Ticket Holmes, uke novelty duo.

9:30	8:30	7:30	6:30	5:30

WKRC (325.9m-920kc), Howard Hafford, Easy tenor.

9:45	8:45	7:45	6:45	5:45

WRVA (256m-1170kc), Choral club of Richmond.

10	9	8	7	6

WAHG (315.6m-950kc), Good Humor Boys.
WOS (440.9m-680kc), Christian college.

11	10	9	8	7

KPRC (296.9m-1010kc), El Tex Temple No. 114 D. O. K. K. band.

For stations silent tonight refer to first Wednesday's list.

Atlantic or Eastern Daylight Saving Time Stations

CNRO, Ottawa, Can. (434.5m-690kc), 7:30 p. m., Chateau Laurier concert orchestra; 9, maritime talent, CNRA orchestra.

WAHG, Richmond Hill, N. Y. (315.6m-950kc), 9 p. m., instrumental concert; 10, Good Humor Boys.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30 p. m., N. Snellenburg recital; 8, Melrose concert quartet; 8:30, Albert Sussman, concert violinist; 9, recital; 9:30, songs; 9:40, Senator Hassenpieffer; 9:45, Frank Cook, old-time songs; 10, Bittong's Cheer-up club.

WEAF, New York, N. Y. (491.5m-610kc), 4-12 midnight, tea music; United Synagogue of America; Davis Saxophone octet; Ipana Troubadours; South Sea Islanders; orchestra.

WEBJ, New York, N. Y. (272.6m-1100kc), 8 p. m., Three Collegians; 8:45, John Von Aspe, tenor; 9, Isabel Henderson, soprano; 9:10, Joseph Zablan, baritone; 9:30, Raymond orchestra.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:45 p. m., Adelphia Roof Garden dance orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 6:05 p. m., Benjamin Franklin concert orchestra; 7, Uncle Wip's bedtime stories.

WJAR, Providence, R. I. (485.1m-618kc), 8 p. m., WEAF; 8:30, WEAF.

WLIT, Philadelphia, Pa. (394.5m-760kc), 8 p. m., concert; 10, Arcadia cafe dance orchestra.

WMCA, New York, N. Y. (340.7m-880kc), 8 p. m., Monte Carlo orchestra; 9, Yale band quartet; 9:30, A Night in Muscle Shoals.

WNYC, New York, N. Y. (526m-570kc), 6:10 p. m., piano selections.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Hotel Sylvania dance orchestra; 8, concert; 8:30, WEAF; 10, Fox theater studio concert; 10:30, Sam Brown's dance orchestra.

Eastern Standard or Central Daylight Saving Time Stations

KYW, Chicago, Ill. (535.4m-560kc), 8 p. m., family hour; 8, classical concert, Edison studio; 11:30-1, Congress carnival, Henry Gendron and his orchestra.

WCFL, Chicago, Ill. (491.5m-610kc), 7 p. m., Florentine string trio; 8, variety hour; 10, Alamo orchestra; 11, Alamo entertainers.

WCX, Detroit, Mich. (516.9m-580kc), 6 p. m., Goldkette ensemble; 8-9, studio program.

WDBO, Winter Park, Fla. (239.9m-1200kc), 8:15 p. m., piano recital; 9, dance music.

WGHB, Clearwater, Fla. (265.3m-1130kc), 8:30-10 p. m., Mrs. Carl Stevens, Ticket Holmes; Marion Hoffman, pianist.

WGHP, Detroit, Mich. (270m-1110kc), 6 p. m., dinner concert; 8-8:30, Camp Fire program; 8:30-9:30, Little symphony orchestra; 9:30-10, studio program.

WGR, Buffalo, N. Y. (319m-940kc), 5:30-6:30 p. m., Gospel Melodists; 7:30-8, J. Blosek, pianist; 8-8:30, WEAF.

WGY, Schenectady, N. Y. (379.5m-790kc). 7 p. m., Eastman theater, WFBL.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Jean Goldkette's Petite symphony orchestra; 7:45, Good Will Oakland; 9, studio program; 11, Realtor tenor, Realtor baritone; 12, Merry Old Chief.

WKRC, Cincinnati, O. (325.9m-920kc), 6 p. m., Garden of Allah orchestra; 8:15, Hotel Alms orchestra; 8:30, Howard Hafford, tenor; 9, Everfresh hour; 12, Lookout house orchestra.

WLW, Cincinnati, O. (422.3m-710kc), 7 p. m., Robert Visconti's orchestra; 10, Pink of Programs; 11, Johanna Grosse, organist.

WMBB, Chicago, Ill. (250m-1200kc), 7-8 p. m., Trianon duo; Bessie Beelman, contralto; Monte Blumn, tenor; Harold Thorpe, pianist; 9-11, Trianon orchestra; Borden Brothers; Clarice Taylor, whistler; John Everett, baritone; Bob Bennett.

WOK, Chicago, Ill. (217.3m-1380kc), 6-8 p. m., Tip Top Inn string ensemble concert; 8-12, Capitol theater organ; Katz and his Kittens' orchestra; Midway Garden orchestra; Tearney's Town club orchestra; Capitol theater program.

WRVA, Richmond, Va. (256.3m-1170kc), 8:45 p. m., choral club of Richmond; 10, Shepherd Webb, organist.

WSAI, Cincinnati, O. (326m-920kc), 7 p. m., Congress Playing Card string quartet; 10, musicale.

WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 8, WEAF; 8:30, Detroit News orchestra; 9, WEAF; 10, Detroit News orchestra.

KFAB, Lincoln, Neb. (340.7m-880kc), 8:30-10:30 p. m., musical program.

KFNF, Shenandoah, Ia. (461.3m-650kc), 7 p. m., concert.

KPRC, Houston, Tex. (296.9m-1010kc), 7:30 p. m., Jack Willrich's dance orchestra; 9, El Tex Temple No. 114 D. O. K. K. band.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10 p. m., period music; 10, specialties.

WCOA, Pensacola. Fla. (222m-1350kc), 7-8:30 p. m., Mrs. W. G. McLeod, vocalist; Aline Anson, pianist; Neapolitan serenaders; Mrs. George Turner, whistler; Frank Howland, banjoist; Rainbow dance orchestra.

WEMC, Berrien Springs, Mich. (285.5m-1050kc), 8:15 p. m., vocal and instrumental music.

WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., studio concert.

WHB, Kansas City, Mo. (365.6m-820kc), 7-8 p. m., program; 10:45-11:45, musicale.

WOS, Jefferson City, Mo. (440.9m-680kc), 8 p. m., Christian college.

WSB, Atlanta, Ga. (428.3m-700kc), 10:45 p. m., Peerless entertainers.

WSM, Nashville, Tenn. (282.8m-1060kc), 8 p. m., studio program; 10, studio program.

Mountain Standard Time Stations

KOA, Denver, Colo. (322.4m-930kc), 8 p. m., Scheuerman's Colorado orchestra; 8:20, Pro-Musica society.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc). 7 p. m., Westerland trio; 7:30 p. m., Nick Harris story; 8-9, program, California Petroleum corporation, Calpet trio; 9-10, Patrick-Marsh dance orchestra, Betty Patrick, soloist; 10-11, program, Charles Beauchamp.

KFWB, Hollywood, Calif. (252m-1190kc), 8-9 p. m., Velvetone Radio corporation; 9-10, Corduroy Tire Stores, Inc.; 10-11, Warner Brothers frolic.

KHJ, Los Angeles, Calif. (405.2m-740kc), 8-10 p. m., Times de luxe program; 10-11, Jerry Grant and his dance orchestra.

KLX, Oakland, Calif. (508.2m-590kc), 8-9 p. m., program; 9-10, special program.

KNX, Hollywood, Calif. (336.9m-890kc), 7-8 p. m., studio program; 8-9, program, Security Trust and Savings bank; 9-10, El Sereno Country club program; 10-11, Edgewater club dance orchestra; 11-12, Ambassador hotel dance orchestra.

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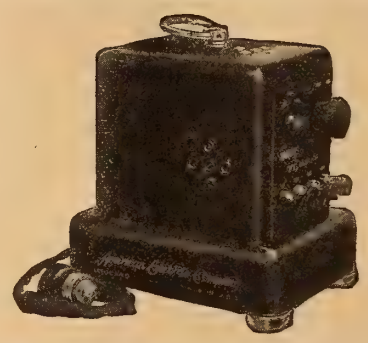

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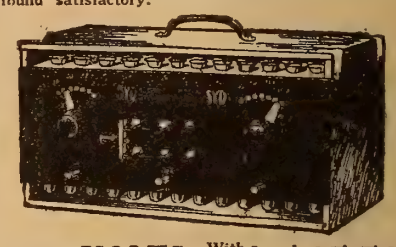

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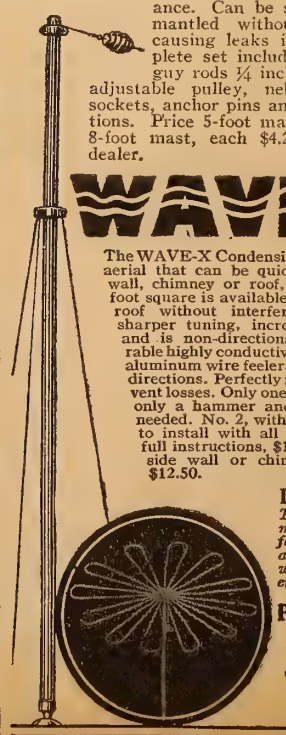

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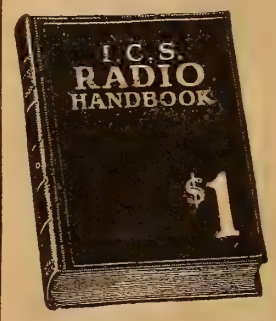

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Technically edited by F. H. Doane

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Thursday, September 30

Headliners Today

Atlantic	Eastern	Central	Mountain	Pacific
8 p.m	7	6	5	4
WMBB (250m-1200kc), Italian music.				
10	9	8	7	6
WCAU (277.6m-1080kc), Hood Boys.				
11	10	9	8	7
WSWS (275m-1090kc), "Within a Mile o' Edinburgh Town."				
12	11	10	9	8
KFI (467m-642kc), Playlet, screen artist cast.				
12:45	11:45	10:45	9:45	8:45
WSB (428.3m-700kc), Jackson, Georgia, Kiwanis club.				
1	12	11	10	9
WBAP (475.9m-630kc), Novelty program, Southern Melody Boys.				
1:15	12:15	11:15	10:15	9:15
WLW (422.3m-710kc), Night Howls.				

For stations silent tonight refer to first Thursday's list.

Atlantic or Eastern Daylight Saving Time Stations

WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:30 p. m., Cathay Garden orchestra; 7:30, Snellenburg Symphony orchestra; 8, Saddler's Plantation serenaders; 8:30, recital; 8:45, Gets Go-Getters; 9, Carolyn Thomas, soprano; 9:30, Musical Chefs; 9:45, Professor Doolittle; 10, The Hood Boys.

WEAF, New York. N. Y. (491.5m-610kc), 6 p. m., dinner music; 7:30, orchestra; 8, serenaders; 9, orchestra; 10, Cliquot club Eskimos; 11, Silvertown Cord orchestra.

WEEI, Boston, Mass. (348.6m-860kc), 8-11 p. m., WEAF.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:45 p. m., Adelphia Roof Garden dance orchestra; 8, WEAF.

WHN, New York, N. Y. (361.2m-830kc), 7-7:30 p. m., program; 8:30-9, vaudeville; 11:30-12. Cotton club orchestra.

WIP, Philadelphia, Pa. (508.2m-590kc), 8 p. m., recital; 10, dance orchestra.

WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Hotel Madison concert orchestra; 9:30, Royal Typewriter Salon orchestra; 10:30, Fireside Boys.

WMCA, New York, N. Y. (340.7m-880kc), 7 p. m., Monte Carlo orchestra; 9, Salow soloists; 12, McAlpin entertainers.

WOO, Philadelphia, Pa. (508.2m-590kc). 7:30 p. m., Hotel Sylvania dance orchestra.

Eastern Standard or Central Daylight Saving Time Stations

KYW, Chicago, Ill. (535.4m-560kc), 8 p. m., family hour; 9:20, Congress hotel; 10-11:30, classical concert, staff artists; 11:30-1, opening and answering the mail, Eddie and Fannie Cavanaugh.

WCFL, Chicago, Ill. (491.5m-610kc), 7 p. m., Florentine string trio; 8, classical hour; 10, Alamo orchestra; 11-1, entertainers.

WCX, Detroit, Mich. (516.9m-580kc), 6 p. m., Goldkette ensemble; 8-9, studio program.

WDBO, Winter Park, Fla. (239.9m-1200kc), 9 p. m., Sanford hour of music; 10, dance music.

WGHP, Detroit, Mich. (270m-1110kc), 6 p. m., dinner concert; 10-11, WGHP Frolickers; 11-12, Skylarkers.

WGR, Buffalo, N. Y. (319m-940kc), 5:30-6:30 p. m., Vincent Lopez Hotel Statler orchestra; 7:10, WEAF.

WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., dinner program; 7:30, book chat; 7:45, musicale; 8, WJZ; 9, WFBL, Syracuse university; 10:30, Stephen E. Boisclair, organist.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Jean Goldkette's Petite symphony orchestra; 7:30, Ide and Meginnity; 9, studio program.

WKRC, Cincinnati, O. (325.9m-920kc), 10 p. m., Swiss Garden frolic; 11, popular songs; 11:15, Walter Davidson's Louisville Loons.

WLW, Cincinnati, O. (422.3m-710kc), 6 p. m., Ohio Rhythm Kings; 7, orchestra; 8, Second Annual Dayton Daily News Radio show; 10:45, Al Kirschner, Pep Golden; 11, Castle Farmers; 12:15, Night Howls.

WMBB, Chicago, Ill. (250m-1200kc), 7-8 p. m., Trianon ensemble, Italian music; 9-11, Trianon orchestra.

WOK, Chicago, Ill. (217,3m-1380kc), 6-8 p. m., Tip Top Inn string ensemble; 8-12, Capitol theater organ; Katz and his Kittens' orchestra; Midway Garden orchestra; Tearney's Town club orchestra; Capitol theater program.

WRVA, Richmond, Va. (256.3m-1170kc), 8:45 p. m., Newport News, Va., program.

WSAI, Cincinnati, O. (326m-920kc), 8 p. m., WEAF.

WSWS, Chicago, Ill. (275m-1090kc), 6 p. m., dinner concert; 7, "The Magic Crystal"; 10, "Within a Mile o' Edinburgh Town"; 11, Hallelujah Boys; Ruddy Winters; 12, witching hour.

WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 8, WEAF.

Central Standard Time Stations

KFNF, Shenandoah, Ia. (461.3m-650kc), mixed program.

KPRC, Houston, Tex. (296.9m-1010kc), 7:30 p. m., Blanchard's dance orchestra.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9 p. m., Joe Kuntz, accordionist; 9:20-10, staff artists.

KWWG, Brownsville, Tex. (278m-1080kc), 8:30 p. m., Spanish group, Senorita Carlotta Villareal; 8:45, T. C. Barber, bass; 9, Alfredo Laurents, violinist; 9:15, Mrs. C. W. Davenport; 9:30-9:45, duets, Mr. and Mrs. Cleve Tandy; 12:01, dance music.

WBAP, Fort Worth, Tex. (475.9m-630kc), 7:30-8:30 p. m., musicale; 9:30-11, Davis Baking Powder saxophone octet; 11, Southern Melody Boys.

WFAA, Dallas, Tex. (475.9m-630kc), 6:30-7:30 p. m., Baker hotel orchestra; 7:30-8:30, Mrs. Albert E. Smith, soprano; Mrs. Howard R. Parks, contralto.

WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., vocal quartet.

WHB, Kansas City, Mo. (365.6m-820kc), 8-9 p. m., Mona Motor Oil company.

WOAW, Omaha, Neb. (526m-570kc), 6:50 p. m., orchestra; 9, classical.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., Jackson, Ga., Kiwanis club; 10:45, Charles A. Sheldon, Jr., organist.

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Radio Boys' orchestra, George O'Hara and his uke; 8-9, KFI drama hour, short playlet by screen artist cast; 9-10, hour of Hawaiian music, Charles Dimond, steel guitar; 10-11, varied program.

KFWB, Hollywood, Calif. (252m-1190kc), 8-9 p. m., program, McGavin Brothers Bakeries; 9-10, Bill Hatch and his orchestra; 10-11, Warner Brothers frolic.

KHJ, Los Angeles, Calif. (405.2m-740kc), 8-10 p. m., Zoellner string quartet; Harriet Andrews, soprano.

KNX, Hollywood, Calif. (336.9m-890kc), 7-8 p. m., Carthay Circle theater organ; 8-9, program, Rigali and Veselich; 9-11, KNX feature program; 11-12, Ambassador hotel dance orchestra.

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"GOODY GOODY GIRL"

(Continued from page 18)

She smiled reassuringly. "No; no one knew where I was bound. Grace Hughes herself doesn't expect me. So you're not to worry a moment longer. When we get to the first stop in Illinois, I'll get off, take a train back and—I suppose a little less than sixty dollars will see me through."

"You're a thoroughbred," he exclaimed fervently. "Most girls would have been in a state of hysterics, if not complete collapse, by now and you haven't even turned a hair."

SHE SHRUGGED dainty shoulders deprecatingly. "I can take care of myself, so why get upset?"

"That's right," he agreed, "but I do think you should know that our first stop on the other side of the state line—I questioned the porter pretty closely—will be sometime after midnight, at a lonely little flag-station of a place—"

"I'll not be afraid."

"But I'll be afraid for you. You're entirely too pretty a girl, too tempting by far—"

She laughed and shook a finger warningly. "You mustn't say such things. First thing you know, I'll be believing them—"

"I want you to believe me." His voice was almost a shout again. "I mean every word of it. You've got me winging. My head's in a whirl—"

"Hush!" She rose to her feet, alarmed by his vehemence.

"I won't hush." He, too, got up and she backed away when he made as if to take her into his arms. "I love you. Every minute I see you I get more and more in love with you. You shan't get off this train alone and in the middle of the night. You're coming on to Chicago with me."

"To Chicago? Are you mad? I couldn't think of it."

"Yes, I'm mad. Mad about you and—"

He broke off sharply and whirled away from her.

Someone was rapping peremptorily upon the drawing-room door.

Lois! Lois! What is to become of you? The silken threads of the city spiders are beginning to wind about you. You do not know. But soon you will suspect and then what will you do, friendless and not knowing whom to trust? We are going to watch and hope for you as your story unfolds in succeeding issues of Radio Digest.

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AT KYW AIR CARNIVAL

(Continued from page 5)

menced kicking WTAS off his Purple Grackle antenna he got Eddie to man the mike with his announcing and Fannie skidded the ivories as staff pianist. They worked up a big audience for their own parts. Now we have them regular for this carnival feature and they certainly are getting the postman's goat.

"Art Linick is announcer for us. Art is 'der Dutchman vot somedimes geds der vires of der vireless all tvisted togedder mitt vrom egzidemondt behind der migrofone.'

"His 'Bed Time Stories' are in the same class with the 'Bad Time Stories' of the Western station except that he uses the Jewish dialect. His 'kiddies' wear high heel slippers and short bobs."

Just before this symposium was compiled for the composing room Mr. Mattson brought over a picture of Z. Earl Meeker in the clown costume. He had not been on the air yet in Chicago but he was announced as an "exclusive KYW artist" who probably would be another scintillation of this riotous hour, although Mr. Meeker has a wider fame as a baritone of the opera.

"But he is a wonder, very versatile," said Mr. Mattson. "He comes East after a distinguished record at KFI and KHJ in Los Angeles. He also was director of the Temple Baptist Church choir of one hundred voices at Los Angeles."

Another regular singer on the KYW carnival program is Miss Grace Wilson. Her personal beauty and feminine charm would possibly surprise many a carnival listener because her voice often is mistaken for that of a man and she sings the regular tenor parts with perfect ease and technique.

Each week finds the carnival audience spreading in wider circles. The applause cards of listeners in the country and smaller towns seem especially appreciative. To them it is a vivid introduction to the gaiety and rollicking life of the big city. It is their theater, their dance, their big day at the "carnival fair."

New WPG Transmitter First Of Improved 5,000-Watters

ATLANTIC CITY, N. J.—The new 5,000-watt superstation of the "World's Play Ground," Station WPG here, is new in every sense of the word. It embodies a new circuit and all the latest improvements made on the basis of experiments of the past three years by Western Electric engineers.

This set, first of a new type, has a master oscillator and frequency stabilizer. Carrier wave distortion is cut out entirely, it is claimed.

300-Foot WJZ Towers Are Guide for Air Mail Flyers

NEW YORK.—The three hundred foot antenna towers of Station WJZ's transmission plant at Bound Brook are doubly useful. In addition to supporting the six-wire "T" type cage-antenna used in broadcasting from this station, they also serve as towers of light to guide the United States air mail flyers to their landing field which is only a few miles distant from the transmitter.

RADIO SET DON'T WORK

(Continued from page 9)

call where a service man is required to visit the house. The cost of new tubes, batteries or set parts is additional. We have found this plan to be very satisfactory."

"Summing up your experiences as a professional 'trouble shooter' what would you have to say concerning the general public?" I asked the service manager.

"It is divided into three classes. The first comprises that group of people who don't know, know they don't know and don't want to know, but yet are willing to pay for service. I should say 20 per cent of the set owners fall in this classification.

"The second group is the boring majority. It embraces about 60 per cent of the listeners. We call it the 'reader' class, because these persons usually 'fix' their own sets and ruin them, then call for service, and close the deal by blaming the service men or their receivers. It is because of this group that we must school our service men in keeping cool and never losing their tempers.

"The third class, embracing the remaining 20 per cent, contains those people who know or practically know what they are doing, but when they get stuck, they send for the service man, listen to him intelligently, and willingly pay for the lesson."

I closed my notebook and addressed the service manager.

"I think my readers will get something worth while from your interview," I said. "I hope the article makes it a little easier on the downtrodden service man, and stops many of the foolish calls."

So I conclude by saying, don't be insulted, but take this information to heart for what it is worth. It is just a lot of common sense every listener should have.

BATTERIES $7.98

6 V. 100 Amp. One piece, solid rubber cases.
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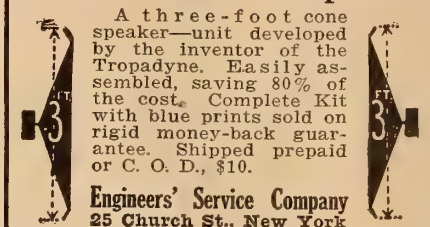

A three-foot cone speaker—unit developed by the inventor of the Tropadyne. Easily assembled, saving 80% of the cost. Complete Kit with blue prints sold on rigid money-back guarantee. Shipped prepaid or C. O. D., $10.
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Just what you've always needed—only log that helps you get all its possibilities out of your set. Every station listed 3 ways—by wave lengths, call letters, and cities, allowing its use with any program anywhere. Users tune in obscure stations never heard before. Gives you all the information you want about every station. Incorporates Broadcast Station map. Lists all stations in U. S., Can., Mex. and Cuba. Always up-to-date and authentic as it is checked by latest Government Reports. Simple and easy to understand and use. Each station can be individually logged. Sold by radio and news dealers everywhere or by mail, postpaid on receipt of 25c in stamps.
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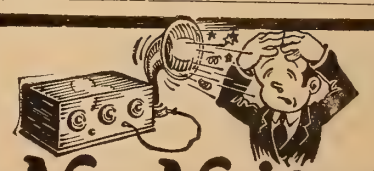
Geo. L. Lane, Mansfield, Ohio



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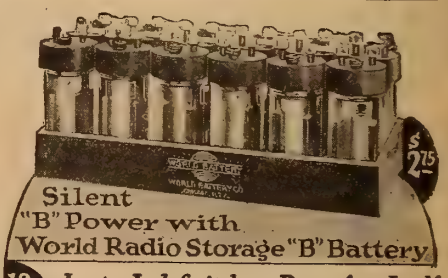

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Dependable. Quiet "B" power, clear without "hum." Economy you have never before thought possible. Convenience. Outstanding performance. Recharged for almost nothing. Solid rubber case insures against leakage or acid. Extra heavy glass jars. Heavy rugged plates. Approved and listed as standard by Pop. Radio Laboratories, Pop. Sci. Inst. Standards, Radio News Lab., Lefax, Inc., and other Radio authorities.
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Prices: 6-volt, 100 Amp. $10.50; 120 Amp. $12.50; 140 Amp. $13.85. All equipped with Solid Rubber Case.

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Classified Advertisements

NOW IS time to get that new set you have been planning on for so long. Sell your present set through a classified advertisement in Radio Digest. Others have done it. Radio Digest classified advertisements produce results, whether you have a Radio to sell or want to buy one.

Rates are twenty cents a word for each insertion. Five per cent discount for four insertions, 10 per cent discount for six insertions, 15 per cent discount for twelve insertions, 20 per cent discount for twenty-four insertions (each issue for 1 year). Name and address are counted. Two initials count one word. Cash must accompany order. Minimum of ten words. Objectionable and misleading advertisements not accepted.

Copy reaching us not later than September 12 will be in time for our October 1 issue.

RADIO DIGEST PUBLISHING CO., 510 No. Dearborn Street, Chicago

BLUE PRINTS

Portable Super-Het Actual Size Template for 8-tube Super using 199 type tubes. Complete building instructions appearing in First and Second June issues of Radio Digest. 25 cents for template—30 cents for copies containing instructions. Book Dept., Radio Digest, 510 North Dearborn Street, Chicago.

Complete instructions for building the Simplest Possible Super-Het. 16-page booklet containing instructions for building and an exact size template for drilling panel and base. How to build a loop. 35 cents. Book Dept., Radio Digest, 510 N. Dearborn St., Chicago.

We still have a limited number of the actual size templates and blue prints for the following sets which have been described in Radio Digest: Super-Torodyne, 8-tube super-het; Fireside, 6-tube radio frequency; Grand Prix, 8-tube super-het; Counterphase, 6-tube radio frequency; DX Seven, 7-tube super; 4 Filter Super and the Straight-8, an eight-tube super-het. Each set, 25 cents. Book Department, Radio Digest, 510 N. Dearborn St., Chicago.

BROADCASTER WANTED

Want 500 watt broadcaster. Give description and price. Amateur 4AA, Radio Digest.

DOGS

Beautiful registered bull pups, $15. Bull-dogs, 501 Rockwood, Dallas, Texas.

HELP WANTED

Wanted Good Male Quartet for introducing catchy new song. Box 505, Radio Digest.

INSTRUCTION

If you want to become a RADIO ANNOUNCER write Pioneer Radio Broadcasting School, 843 Little Building, Boston.

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FREE Photos of Your Favorite Radio Stars. Write for offer. Circulation Department, Radio Digest, 510 N. Dearborn Street, Chicago.

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PATENTS. Booklet free. Highest references. Best results. WATSON E. COLEMAN, Patent Lawyer, 644 G Street, Washington, D. C.

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600-MILE RADIO, $2.95. Needs no tubes nor batteries. Over 200,000 already sold. A real set, not a toy. Sent postpaid. Order direct from this ad. Crystal Radio Co., Wichita, Kansas.

Underground Aerial — Eliminate static and interference by using Smith's underground aerial. Recommended by authorities. Enjoy radio at its best. Hundreds in use. Easy to install. Price $6.75 delivered. Smith's Lab's, 676 Euclid, Beaumont, Tex.

1927 Greatest Improvement, Stops Your Tube Noises, Vibration, Ringing, Microphonic. Adds fifty to hundred percent distance and clarity to radio Reception. Write for Advance Bulletin "T-R-S Tube Bands." Tidmarsh' Radio Supply, Elwood, Indiana.

Battery Eliminators. Attractive Discounts. Particulars Free. Radio Brokerage, Cedar Rapids, Iowa.

Crosley 3 tube receiving set, new, $12.00 postpaid. F. Meek, Rockbridge, Ill.

43-Plate Webster Condensers, $1.39. 23-Plate Webster Condensers, $1.29. All new. Closing out my stock. Bronsteins Pharmacy, 4600 Lincoln Ave., Chicago.

I am buying a new set and want to sell my Radio Digest DX-Seven, a seven-tube "super-het," and my Golden-Leutz, C-7, a wonderful seven-tube set. Both sets complete with matched tubes, storage A and storage B batteries. $75 each, complete. P. Harrison, 5911 N. Rockwell St., Chicago.

Closing out all of my Radio stock. 200-ohm potentiometer with silver knob and dial, 10 cents; Howard rheostats 6½, 6¾ or 25-ohm, 75 cents; Filkostats, 50 cents; set eight lettered binding posts, 25 cents; variable condensers with dial and vernier, 13-plate, $1; 23-plate, $1.50; 4-inch black dials, 3—50 cents; 3-inch, 3—35 cents. Bronsteins Pharmacy, 4600 Lincoln Ave., Chicago.

SALESMEN WANTED

A PAYING POSITION OPEN to representative of character. Take orders shoes-hosiery direct to wearer. Good income. Permanent. Write now. Tanners Shoe Mfg. Co., 8-707 C St., Boston, Mass.

Manufacturer and jobber of radio equip-ment and accessories is open for sales agent in the middle west. Address: Box 504, Radio Digest.

Radiophone Broadcasting Stations

Corrected Every Issue—Part IV—Sept. 15, 1926

ONE DOLLAR will be paid to the Radio fan reader of Radio Digest submitting the most errors in any one station's listing in the Directory of Radiophone Stations, which appears in six parts, serially continuously on the next to last page. Letters must reach Radio Digest's office not later than one week from date of issue corrected. Readers are not limited to correcting one station, but such corrections must be verified by the stations themselves, and NOT by comparison to other so-called accurate Radio directories or lists. Verifications must accompany corrections. Turn in corrections for as many stations as you can find—if you can find errors! Use separate sheet of paper for each station submitted and place name and address on each sheet. In case of tie, duplicate awards will be made. Until wave lengths become stable again, we will not be able to count these in the challenge.

United States (Cont'd)

NOTE.—The fourth part of the schedule list appears below. Part five appears next issue.

WMAQ, Chicago, Ill. 447.5m-670kc. 1,000 watts. The Chicago Daily News. Announcer, Roberty Whitney. Daily ex Sun, 11-12 n, WQJ program; 12-1:45 pm, 2:45-7, 7-8, 8-10. Central daylight.

WMAY, St. Louis, Mo. 247.8m-1210kc. 100 watts. Kingshighway Presbyterian church. Slogan, 'May Every By-Way Hear Kingshighway." Mon, 8 pm. Sun, 11 am, 8 pm. Central.

WMAZ, Macon, Ga. 260.7m-1150kc. 500 watts. Mercer University. Announcer, Carey O. Pickard. Off the air for the summer.

WMBB, Chicago, Ill. 249.9m-1200kc. 500 watts. American Bond & Mortgage Co.-Trianon. Announcer, John Stamford. Slogan, "World's Most Beautiful Ballroom." Daily ex Sun, Mon, 7-8 pm, 9-11. Sun, 3-5 pm, 7-8, 9-11. Central daylight.

WMBC, Detroit, Mich. 256.3m-1170kc. 100 watts. Michigan Broadcasting Co. Announcer, Don L. Fox. Mon, Tues, Wed, 10 pm. Sun, Thurs, Fri, 8 pm. Eastern.

WMBF, Miami Beach, Fla. 384.4m-780kc. 500 watts. Fleetwood Hotel. Daily, 7-8 pm, dinner concert; 7:30-9 pm. Eastern.

WMBI, Chicago, Ill. 288.3m-1040kc. 500 watts. Announcer, J. D. Herron. Slogan, "West Point of Christian Service." Daily ex Sun, 7-7.30 am; 10:30-11:30. Daily ex Sun, Mon, 8:30-9:30 pm. Sun, 3:30-5 pm, 7-9. Central daylight.

WMC, Memphis, Tenn. 499.7m-600kc. 500 watts. The Commercial Appeal. Announcer, Francis S. Chamberlin. Slogan, "Station WMC, Memphis." "Down in Dixie." Club, "Midnight Frolic." Daily ex Sun, 9:45 am, 12 n, 2:30 pm, weather, markets, music. Daily ex Sun, Wed, 8:30 pm, program; Tues, Fri, 11 pm, Midnight Frolic. Sun, 11 am, church service. Central.

WMCA, New York, N. Y. 340.7m-880kc. 500 watts. Hotel McAlpin. Announcer, Snedden Weir. Slogan, "Where the White Way Begins." Daily, 6-12 midnight. Tues, 11-1 pm. Sun, 11-12:15 pm, 5-11. Eastern daylight.

WMSG, New York, N. Y. 302.8m-990kc. 500 watts. Madison Square Garden.

WNAB, Boston, Mass. 280.2m-1070kc. 100 watts. The Shepard Stores. Announcer, Ben Hadfield. Daily ex Sun, 3-4 pm. Eastern daylight.

WNAC, Boston, Mass. 431m-697kc. 500 watts. The Shepard Stores. Announcer, John J. Fanning. Daily ex Sun, 10:30-11:30 am, 1-2 pm, 4-5, 6-11 pm. Sun, 11 am, 8-9:15 pm. Eastern daylight.

WNAD, Norman, Okla. 254m-1180kc. 500 watts. University of Oklahoma. Announcer, C. E. Bathe. Slogans, "Oklahoma"; "Voice of Sooner Land." Off the air for the summer.

WNAL, Omaha, Nebr. 258.5m-1160kc. 50 watts. Central High School. Announcer, Ronald J. Rockwell. Slogan, "Pioneer Broadcast of Omaha." Fri, Sat, 9-10:30 pm. Central.

WNAT, Philadelphia, Pa. 249.9m-1200kc. 500 watts. Lennig Bros. Co. Announcer, Jess Brinton Young. Slogan, "We Never Are Tired." Wed, 6:50 pm. Sat, 8 pm. Sun, 6:50 pm. Eastern daylight.

WNAX, Yankton, S. D. 243.8m-1230kc. 100 watts. Dakota Radio Apparatus Co.

WNBH, New Bedford, Mass. 247.8m-1210kc. 250 watts. New Bedford Hotel. Announcer, A. J. Lopez. Mon, 6-10 pm. Wed, Fri, 6-7 pm, 8-10. Sun, 11-12:15 pm. Eastern daylight.

WNJ, Newark, N. J. 252m-1190kc. 150 watts. Radio Shop of Newark, Inc. Announcer, W. A. Bingenheimer. Slogan, "The Voice of Newark." Tues, Wed, Fri, Sat, Sun, 6-6:30 pm, 8:30-12 midnight, dance music. Eastern daylight.

WNOX, Knoxville, Tenn. 267.7m-1120kc. 500 watts. Peoples Telephone & Telegraph Co. Mon, Wed, Fri, Sun, 7:30-10 pm. Sun, 10:30 am. Central.

WNYC, New York, N. Y. 526m-570kc. 1,000 watts. New York Municipal Radio station. Announcer, Christie R. Bohnsack. Slogan, "Municipal Broadcasting Station of The City of New York." Tues, Thurs, 7 pm, markets; 7:30 pm, 10:30, police; 7:35, entertainment; 10:30, weather. Mon, Wed, Fri, 6:10 pm, markets. Eastern daylight.

WOAI, San Antonio, Tex, 394.5m-760kc. 2,000 watts. Southern Equip. Co. (Evening News-Express). Announcer, J. G. Cummings. Slogan, "The Winter Playground of America, Where the Sunshine Spends the Winter." Daily ex Sun, 10 am, weather reports, news; 12:15 pm, 2:30, 3, 6:15. Tues, Wed, Thurs, Fri, 8:30-9:30 pm. Sun, 11 am, service; 7:30 pm, 9:30. Central.

WOAN, Lawrenceburg, Tenn. 282.8m-1060kc. 500 watts. James D. Vaughan. Announcer, James D. Vaughan. Daily ex Sat, 9-10 pm, concert. Central.

WOAW, Omaha, Neb. 526m-570kc. 1,000 watts. Woodmen of the World. Announcer, Lester Palmer. Slogan, "Where the West Is at the Best." Daily ex Sun, 8:15 am, 8:55, 10:30, 12:30 pm, 1:45, 4, markets. Daily ex Sun, Sat, 12:45 pm. Daily ex Sun, Wed, 6-7:30, 9-11. Sat, 11-12 midnight, organ. Sun, 9-10:45 am, 1:30 pm, 2:30-4 pm, 6, 9. Central.

WOAX, Trenton, N. J. 239.9m-1250kc. 500 watts. F. J. Wolff. Slogan, "Trenton Makes; the World Takes." Daily ex Sun, 12:15-12:30 pm. Eastern daylight.

WOC, Davenport, Iowa. 483.6m-620kc. 5,000 watts. The Palmer School of Chiropractic. Slogan, "Where the West Begins and in the State Where the Tall Corn Grows." Daily ex Sun, 12:57 pm, time; 1, markets; 3, home hour; 5:45, chimes; 6, baseball. Tues, 6:30-8 pm, WEAF: 8-9. Wed, 4-4:45 pm; 7-7:30, 9:30-10:30. Thurs, 6-9:30 pm. Fri, 4-5 pm, 8-9:30. Sat, 12:57 pm, 1, 5:45, 6, 9-10. Sun, 1-2 pm; 8-8:30, church; 9:30-10:30. Central.

WOCL, Jamestown, N. Y. 275.1m-1090kc. 15 watts. Jamestown Furniture Market Assn. Announcer, W. A. McCutcheon. Slogan, "We're on Chautauqua Lake." Mon, 9-9:15, 9:15-12 midnight. Sun, 10:30 am, 7:30-9. Eastern.

WODA, Paterson, N. J. 390.9m-767kc. 500 watts. O'Dea Temple of Music. Slogan, "A Voice from the Silk City." Daily ex Sun, 12-1 pm; 5-7, 8:30-11. Eastern daylight.

WOI, Ames, Iowa. 270.1m-1110kc. 750 watts. Iowa State College. Announcer, A. G. Woolfries. Daily ex Sun, 8 am, markets; 9:30, weather, markets; 10:30; 12:15 pm; 6:30, closing markets; 9:30, weather, Tues, Thurs, 10 am. Mon, Thurs, 7:30 pm, music. Central.

WOK, Homewood, Ill. 217.3m-1380kc. 5,000 watts. Neutrowound Radio Mfg. Co. Announcer, George W. Allen. Daily ex Sun, Mon. Daily ex Mon, 6-8 pm, 8-12 midnight. Sun, 6-12 midnight. Central daylight.

WOKO, Peekskill, N. Y. 232.4m-1290kc. 50 watts. H. E. Smith. Daily ex Sun, 1:30-2:30 pm, 2:30-3. Sun, 11 am. Eastern daylight.

WOO, Philadelphia, Pa. 508.2m-590kc. 500 watts. John Wanamaker. Daily ex Sun, 11 am, organ recital; 12:55, time; 12-1 pm, concert; 4:40, weather; 4:45, organ recital; 7:30, police reports; 10:55, time; 10:02, weather. Mon, Wed, Fri, 7:30-11 pm, music, concert. Sun, alternate am and pm services, 9:15, alternate Sundays. Eastern daylight.

WOOD, Grand Rapids, Mich. 241.8m-1240kc. 1,000 watts. Hotel Rowe. Announcer, Maurice Wetzel. Slogan, "The Furniture Capital of America." Daily ex Sun, 11 am, weather. Mon, 9-12 midnight. Tues, Wed, Fri, Sat, 9-11 pm. Central daylight.

WOQ, Kansas City, Mo. 277.6m-1080kc. 1,000 watts. Unity School of Christianity. Tues, 8-9 pm. Thurs, 7-7:45 pm, 7:45-9. Sat, 10-11 pm. Sun, 11 am, 7-9:15 pm. Central.

WOR, Newark, N. J. 405.2m-740kc. 500 watts. L. Bamberger & Co. Announcer, J. M. Barnett. Daily ex Sun, 6:45-8 am, 2:30-4 pm. Daily and Sun, 6:15-12 midnight. Eastern daylight.

WORD, Batavia, Ill. 275.1m-1090kc. 5,000 watts. Peoples Pulpit association. Announcer, B. M. Rice. Slogan, "Watchtower Station WORD." Tues, Wed, Fri, 7-8 pm; 9-10, 11-12. Thurs, 8-10 pm. Sat, 7-8 pm, 9-10. Sun, 2:30-4 pm, 7-8, 9-10:30. Central daylight.

WOS, Jefferson City, Mo. 440.9m-680kc. 500 watts. Missouri State Marketing Bureau. Slogan, "Watch Our State." Daily ex Sun, first 15 min. of every hour from 9 am-2 pm, markets. Mon, Wed, Fri, 8-10 pm, concert. Central.

WOWO, Fort Wayne, Ind. 227m-1320kc. 500 watts. Main Auto Supply Co. Off the air for the summer.

WPAK, Fargo, N. D. 275.1m-1090kc. 100 watts. N. D. Agricultural College. Announcer, Gordon Laing. Mon, Wed, Fri, 7:30 pm. Central.

WPAP, New York, N. Y. 361.2m-830kc. 500 watts. Palisades Amusement Park. Mon, Wed, Sat, 8 pm. Tues, Fri, 8:30 pm. Thurs, 9 pm. Eastern daylight.

WPCC, Chicago, Ill. 258.5m-1160kc. 500 watts. North Shore Congregational church. Announcer, Frances H. Frederickson. Wed, 7-8 pm. Fri, 7:30-9 pm. Sun, 11-12:30 pm; 3:30-6, 8, service. Central daylight.

WPDQ, Buffalo, N. Y. 205.4m-1460kc. Hiram L. Turner.

WPG, Atlantic City, N. J. 299.8m-1000kc. 1,000 watts. Municipality of Atlantic City. Slogan, "World's Playgrounds." Mon, Tues, Fri, 7 pm. Tues, Thurs, Fri, Sat, 9 pm; 10, classics. Mon, 8 pm, Thurs, 11 pm. Sat, 6:30 pm, concert; 10, Sun, 3:15 pm, organ; 4:15, service; 10, service. Eastern daylight.

WPRC, Harrisburg, Pa. 215.7m-1390kc. 100 watts. Wilson Printing & Radio Co. Wed, 9-11 pm. Eastern daylight.

WPSC, State College, Pa. 282.8m-1060kc. 500 watts. Pa. State College. Slogan: "The Voice of the Nittany Lion."

WQAA, Parkesburg, Pa. 220.4m-1360kc. 500 watts. Horace A. Beale, Jr. Temporarily discontinued.

WQAC, Amarillo, Tex. 234.2m-1280kc. 100 watts. Gish Radio Service. Daily ex Sun, 10 am, 12 n, 7 pm. Sun, 11 am. Central.

WQAE, Springfield, Vt. 245.8m-1220kc. 50 watts. Moore Radio News Station. Announcer, Ernest S. Newell. Slogan, "The Pioneer Broadcasting Station of Vermont." Sat, 11-1 am. Sun, 10:30 am, church service; 7 pm, service. Eastern.

WQAM, Miami, Fla. 285.5m-1050kc. 750 watts. Electrical Equip. Co. Announcer, Frederick W. Mizer. Slogan, "The Most Southern Radiocasting Station in U. S." Daily ex Sun, 11:45 am. Tues, Thurs, Sat, 7:30-9 pm. Wed, 8-10 pm. Sun, 10:45 am, 8 pm. Eastern.

WQAN, Scranton, Pa. 249.9m-1200kc. 100 watts. Scranton Times. Announcer, T. V. Nealon. Slogan, "The Voice of the Anthracite." Daily ex Sun, 12:30-1 pm, 4:30-5, news, reports, sports, music. Tues, Fri, 8 pm, entertainment. Sat, 10-12 midnight, dance music. Eastern.

WQAO, New York, N. Y. 361.2m-830kc. 500 watts. Calvary Baptist church. Announcer, Wade Kirnsey. Slogan, "The First Church Owned and Operated Broadcasting Station in the World." Wed, 8 pm, church service. Sun, 11:30 am, 3 pm, 7:30, church services. Eastern daylight.

WQJ, Chicago, Ill. 447.5m-670kc. 500 watts. Calumet Baking Powder company-Rainbo Gardens. Announcer, Harry Geise. Daily ex Sun, 1:45-2:45 pm, woman's hour. Daily ex Sun, Mon, 7-8 pm, 10-2 am. Sat, 11-12 m, 3-4 pm, 7-8, 10-3. Mon, 11-12 m, 3-4. Sun, 9:30 am, service; 3-4 pm, 8-10. Central daylight.

WRAF, La Porte, Ind. 223.7m-1340kc. 100 watts. Radio Club, Inc. Announcer, Charles Middleton. Slogan, "The Voice of the Maple City." Mon, Thurs, 8:30 pm. Sun, 10:45 am, service; 7:30 pm. Central.

WRAH, Providence, R. I. 235m-1276kc. Stanley N. Read.

WRAK, Escanaba, Mich. 256.3m-1170kc. 100 watts. Economy Light Company. Announcer, H. E. Flath. Slogan, "The Gateway to Cloverland." Mon, Fri, 8:30 pm. Eastern.

WRAM, Galesburg, Ill. 243.8m-1230kc. 100 watts. Lombard College. Mon, 7-11 pm. Central.

WRAV, Yellow Springs, Ohio. 263m-1140kc. 100 watts. Antioch College. Announcer, Charles Hoffman. Wed, 8 pm, music; 9, educational. Sun, 7 pm. Central.

WRAW, Reading, Pa. 238m-1260kc. 10 watts. Avenue Radio & Elec. Shop. Slogan, "The Schuylkill Valley Echo." Announcer, C. M. Chafey. Tues, 9-11 pm. Thurs, 10-12. Eastern.

WRAX, Philadelphia, Pa. 267.7m-1120kc. 500 watts. Berachah Church, Inc.

WRBC, Valparaiso, Ind. 277.6m-1080kc. 500 watts. Immanuel Lutheran church. Announcer, A. Z. Arehart. Slogan, "World Redeemed by Christ." Mon, 7:30 pm. Sun, 10:30 am, church service. Central.

WRC, Washington, D. C. 468.5m-640kc. 1,000 watts. Radio Corp. of America. Announcer, John B. Daniel. Slogan, "The Voice of the Capitol." Daily ex Sun, 6:45 am-11 pm. Sun, 11 am-10:15 pm. Eastern.

WRCO, Raleigh, N. C. 252m-1190kc. 100 watts. Wynne Radio Co. Sun, 10:45 am; 1 pm. Eastern.

WREC, Coldwater, Miss. 254.1m-1180kc. 10 watts. Wooten's Radio & Elec. Co. Announcer, S. D. Wooten. Slogan, "The Most Powerful 10-Watt Station in the World." Sat, 9:30-10:30 pm. Sun, 4-5 pm. Central.

WREO, Lansing, Mich. 285.5m-1050kc. 500 watts. Reo Motor Car Co. Announcer, Roy E. Davis. Slogan, "Watch Reo." Daily ex Sun, 6-7 pm, dinner concert. Tues, Thurs, 8:15-10 pm. Sat, 10-12 midnight. Sun, 10 am, chimes; 10:30 am, 7:30 pm, church. Eastern.

WRHF, Washington, D. C. 256.3m-1170kc. Washington Radio Hospital fund.

WRHM, Minneapolis, Minn. 252m-1190kc. 50 watts. Rosedale Hospital, Inc. Announcer, Troy S. Miller. Tues, 11 pm. Wed, 9-11 pm, music. Sun, 9:30 am, 2:30 pm, 9:30, 11. Central.

WRK, Hamilton, Ohio. 270.1m-1110kc. 200 watts. Doron Bros. Elec. Co. Slogan, "The Oldest Station in Existence." Sun, 10:15 am, church services. Central.

WRM, Urbana, Ill. 272.6m-1100kc. 500 watts. Univ of Ill. Tues, 7-8 pm, musical. Sun, 4 pm, organ. Central.

WRMU, New York, N. Y. 236 meters. 100 watts. A H. Grebe & Co., Inc. Motor Yacht "MU-1."

WRNY, New York, N. Y. 374.8m-800kc. 500 watts. Experimenter Pub. Co. Daily ex Sun, 11 am, 1:30 pm, 6:59-11. Sun, 12-1 am, 4-5 pm, 3, 4, 8. Eastern daylight.

WRR, Dallas, Texas. 245.8m-1220kc. 500 watts. City of Dallas. Announcer, John Thorwald. Slogan, "City of Achievements." Daily ex Sun, Wed, 12-1 pm; 5-5:30, 6-7, 8-9. Mon, 11-12 midnight. Fri, 11-12 midnight. Wed, 5-5:30 pm. Thurs, 9:30-10:30 pm. Central.

WRST, Bay Shore, N. Y. 215.7m-1390kc. 250 watts. Radiotel Mfg. Co., Inc. Slogan, "Radiotel on the Sunrise Trail." Mon, Wed, Fri, 7-9 pm. Tues, Thurs, 8-10 pm. Eastern.

WRVA, Richmond, Va. 256.3m-1170kc. 1,000 watts. Larus & Bro. Co., Inc. Announcer, Elmer G. Hoelzle. Slogan, "Carry Me Back to Ole Virginny." Wed, 12-2 pm. Mon, Wed, Thurs, 8-11 pm. Tues, 11-1 am. Fri, 7-11 pm. Eastern.

WSAI, Cincinnati, Ohio. 325.9m-920kc. 5,000 watts. United States Playing Card Co. Announcer, P. A. Greene. Mon, 10-12 m. Tues, 5:30-10; 12-1. Wed, 7:30-12 midnight. Thurs, 6:30-10 pm. Sat, 7-10 pm; 12-1:30. Sun, 3-4:30 pm; 7:45-10:15, 8-10 pm. Central daylight.

WSAJ, Grove City, Pa. 228.9m-1310kc. 250 watts. Grove City College. Horace Montgomery, activities.

WSAN, Allentown, Pa. 228.9m-1310kc. 100 watts. Allentown Call Pub. Co. Announcer, C. Fred Ritter. Tues, Thurs, 8:15 pm. Sat, 8:15pm, 11:30. Eastern.

WSAR, Fall River, Mass. 254.1m-1180kc. 100 watts. Doughty & Welch Elec. Co., Inc. Announcer, Wm. A. McGrath. Daily ex Sun, 12-1 pm. Mon, Wed, Fri, 5-6 pm. Sun, 10:30-12 m. Eastern.

WSAX, Chicago, Ill. 267.7m-1120kc. 100 watts. Zenith Radio Corp. (Portable).

WSAZ, Pomeroy, Ohio. 243.8m-1230kc. 50 watts. Chase Elec. Shop. Announcer, Glenn E. Chase. Sat, 2 pm. Sun, 10:30 am, 3:30 pm. Eastern.

WSB, Atlanta, Ga. 428.3m-700kc. 1,000 watts. Atlanta Journal. Announcer, Lambdin Kay. Slogan, "The Voice of the South." Daily ex Sun, 12-1 pm, music, weather; 2:30, reports; 5, orchestra, 8-9, concert (ex Wed) 10:45-12, concert. Sun, 5-6, 7:30-9:15, church services. Central.

WSBC, Chicago, Ill. 288.3m-1040kc. 1,000 watts. World Battery Co. Daily ex Sun, Mon, 6:30-8:30 pm; 10-1. Mon, 5:30-7 pm. Sat, 2-4 am. Sun, 6:30-8:30 pm, 10-1. Central daylight.

WSBF, St. Louis, Mo. 272.6m-1100kc. 250 watts. Stix Baer & Fuller Dry Goods Co. Announcer, Helen G. Hatfield. Daily, 12 n, 3-4 pm. Mon, 7:30-10 pm. Wed, Fri, 7:30-9 pm. Sun, 9-10 pm, 11-1 am. Central.

WSBT, South Bend, Ind. 275.1m-1090kc. 500 watts. South Bend Tribune. Announcer, C. G. Livengood. Mon, Fri, 7-10 pm, concert. Wed, 7:15-9:30 pm, 11-12. Central.

WSDA, New York, N. Y. 263m-1140kc. 250 watts. City Temple. Thurs, 7:45-9:30 pm. Sat, 10:45-1 pm. Sun, 7:30-9:30 pm. Eastern.

WSKC, Bay City, Mich. 260.7m-1150kc. 100 watts. World's Star Knitting Co. Announcer, L. M. Nims. Slogan, "Where the Summer Trails Begin." Mon, Wed, 9-11 pm. Sat, 11-2 am. Sun, 11 am. Eastern.

WSM, Nashville, Tenn. 282.8m-1060kc. 1,000 watts. National Life and Accident Insurance Company. Announcer, George Hay. Mon, Wed, Fri, 7-9 pm; 10-11. Tues, 7:45-9 pm. Sat, 7-11 pm. Central.

WSMB, New Orleans, La. 319m-940kc. 500 watts. Saenger Theaters, Inc., and The Maison Blanche Co.. Daily ex Sun, 12:30-1:30 pm, 6-7:30. Mon, Wed, Thurs, Sat, 8:30-10:30 pm. Central.

WSMH, Owosso, Mich. 239.9m-1250kc. 30 watts. Shattuck Music House. Announcer, Don Shattuck. Wed, 8 pm. Sat, 10 pm. Sun, 10 am. Eastern.

WSMK, Dayton, Ohio. 275.1m-1090kc. 500 watts. S. M. Krohn, Jr. Slogan, "The Home of Aviation." Daily ex Sun, Thurs, 12-1 pm, 6-7, 8-10. Sat, 12-3 am. Sun, 10:45-12 n, 7:30-9 pm. Central daylight.

WSOE, Milwaukee, Wis. 245.8m-1220kc. 500 watts. School of Engineering of Milwaukee. Announcer, O. W. Meissner. Slogan, "In the Land of the Sky-blue Waters." Daily ex Sun, Mon, 7 pm. Tues, Wed, Thurs, 2:45 pm, reports. Daily ex Sat, Sun, 5 pm, reports. Sat, 1 pm, markets. Sun, 3:30 pm, 5, 7:30. Central.

WSRO, Hamilton, Ohio. 252m-1190kc. 100 watts. Radio Co. Announcer, Harry W. Fahrlander. Slogan, "We Sell Radio Only." Tues, Fri, 10:30-11 am, 8-10 pm. Sun, 2-4 pm. Central daylight.

WSSH, Boston, Mass. 260.7m-1150kc. 100 watts. Tremont Temple Baptist church. Announcer, Raymond B. Meader. Fri, 7:30-8:30 pm. Sun, 10:30 am, 6:30 pm, church service. Eastern daylight.

WSUI, Iowa City, Iowa. 483.6m-620kc. 500 watts. Univ of Iowa. Announcer, Carl Menzer. Mon, 11:15 pm. Daily ex Sat, Sun, 10:30 am. Sun, 9-9:30 pm. Central.

WSVS, Buffalo, N. Y. 218.8m-1370kc. 50 watts. Seneca Vocational School.

WSWS, Chicago, Ill. 275.1m-1090kc. 1,000 watts. S. W. Straus & Co. Daily ex Sun, 11-1 pm. Daily ex Sun, Mon, 6-7 pm, 8-9, 10-11. Tues, Thurs, Sat, 12-1 am. Sun, 11-12:30 pm, 3:30-5, 7-9:30. Central daylight.

WTAB, Fall River, Mass. 265.3m-1130kc. 100 watts. Fall River Daily Herald News. Mon, Thurs, 10:45 am. Tues, 7:30-9 pm. Thurs, 7:30 pm. Eastern daylight.

WTAD, Carthage, Ill. 236.1m-1270kc. 50 watts. Robert E. Compton. Mon, 8-10 pm. Thurs, 9-11 pm. Sun, 2:30 pm. Central.

WTAG, Worcester, Mass. 545.1m-550kc. 500 watts. Worcester Telegram. Announcer, Chester Gaylord. Slogan, "The Voice from the Heart of the Commonwealth." Daily ex Sun, Sat, 12 n, 12:05, 1 pm. Mon, 12:40 pm, health talk; 6-7, 8, 8:05, 9, news. Tues, 6:45-7:40 pm, 7:40, 9, 10. Wed, 6:30-11 pm. Thurs, 12:40 pm, 6:45-11 pm. Fri, 12:40 pm, 6-11 pm. Sat, 12 n, 1 pm. Sun, 7:20-9:15 pm. Eastern daylight.

WTAL, Toledo, Ohio. 252m-1190kc. 100 watts. Toledo Broadcasting Co. Announcer, Reginald Baxter. Slogan, "The Gateway to the Sea." Daily ex Sun, 7:30 pm. Eastern.

WTAM, Cleveland, Ohio. 389.4m-770kc. 3,500 watts. Willard Storage Battery Co. Announcer, J. T. Vorpe. Slogan, "The Voice from the Storage Battery." Daily ex Sun, 12:15-1:30 pm, 6-7 pm, dinner program, 8-12. Sun, 10:30-12 n, 7-9:30 pm. Eastern.

WTAQ, Eau Claire, Wis. 254.1m-1180kc. 100 watts. C. S. Van Gorden. Announcer, Mrs. C. S. Van Gorden. Slogan, "The Voice of the Wilderness." Daily ex Sun, 10:30 am, 12:15 pm, 6:15, weather, markets; 6:30, code. Tues, 8 pm. Fri, Sun, 7:30 pm. Central.

WTAR, Norfolk, Va. 260.7m-1150kc. 100 watts. Reliance Electric Co. Announcer, J. K. Bohannon. Slogan, "Down in Old Virginia." Daily ex Sun, 6:30 pm, weather, markets, news. Tues, 8-9 pm, music. Eastern.

WTAW, College Station, Tex. 270.1m-1110kc. 500 watts. Agricultural and Mechanical College of Texas. Wed, Fri, 8 pm. Sun, 11 am. Central.

WTAX, Streator, Ill. 230.6m-1300kc. 50 watts. Williams Hardware Co., Radio Division. Announcer, N. B. Williams. Slogan, "Tappa Kegga Nails." Tues, 7-8 pm. Thurs, 8-12 midnight. Sat, 8:30-10 pm. Central.

WTAZ, Lambertville, N. J. 260.7m-1150kc. 15 watts. Thomas J. McGuire. Mon, 8-10 pm, music. Eastern.

WTIC, Hartford, Conn. 475.9m-630kc. 500 watts. The Travelers Insurance Company. Slogan, "The Insurance City." Mon, Fri, 11 am, 12 n, 5:30-10:30 pm. Tues, Wed, Thurs, Sat, 12 n. Tues, 6:30 pm. Wed, Thurs, Fri, 5:30-10:05 pm. Sat, 7:30-8:30 pm. Eastern.

WWAE, Plainfield, Ill. 241.8m-1240kc. 5,000 watts. Electric Park. Announcer, Joe Allabough. Daily ex Sun, 12:30-1:30 pm; 9-12, midnight, orchestra. Sun, 10:50-12:15 pm, Methodist church; 3:30-4:30, popular program. Central daylight.

WWJ, Detroit, Mich. 352.7m-850kc. 1,000 watts. The Detroit News. Announcer, E. L. Tyson. Mon, Wed, Fri, 7:30-8 am, 8-8:30 am, setting-up exercises; 9:30-9:45, household hints; 10:25-10:30, weather; 11:55-12, time; 12:05-12:45 pm, music; 3-3:55, music; 3:55, markets. Daily ex Sat, Sun, 6-7, dinner concert; 8, music. Mon, Wed, Fri, 9 pm, orchestra. Sun, 11 am, church service; 2-3 pm, concert; 6:20, Capitol theater; 8:15, operatic stars. Eastern.

WWL, New Orleans, La. 275.1m-1090kc. 100 watts. Loyola Univ. Announcer, O. L. Abell. Sat, 7:30-8:30 pm. Central.

WWRL, Woodside, N. Y. 258.5m-1160kc. Woodside Radio Laboratories.

Canada

CFAC, Calgary, Alta., Can. 434.5m-690kc. 500 watts. Calgary Herald. Announcer, Fred Carleton. Daily ex Sun, 12 n, news, markets, music. Mon, 9:30 pm, CNR. Thurs, 9:30, CNR. Mountain.

CFCA, Toronto, Ont., Can. 356.9m-840kc. 500 watts. Toronto Star. Announcer, E. J. Bowers. Daily ex Sun, 12 n, weather, news, stocks; 5:30-6:10 pm, news. Wed, 8-10 pm, music; 11, dance. Thurs, 8-12, concert. Fri, 6:30-12 midnight, CNRT. Sun, 11 am, 7 pm, church services; 9, concert. Eastern.

CFCF, Montreal, P. Q., Can. 410.7m-730kc. 1,650 watts. Canadian Marconi Co. Announcer, C. Walter Darling. Daily ex Sun, 12:45-1:40 pm, stocks, music. Mon, Fri, 7-7:30 pm, bedtime stories; 7:30-8:30, music; 9-10, 10:30-11:30, orchestra. Wed, 7-8 pm, orchestra. Eastern.

CFCK, Edmonton, Alta., Can. 516.9m-580kc. 100 watts. Radio Supply Co., Ltd. Daily ex Sun, 4-5 pm. Wed, 9-10:30 pm. Sun, 4-5:30 pm. Mountain.

CFCN, Calgary, Atla., Can. 434.5m-690kc. 1,800 watts. W. W. Grant, Ltd. Slogan, "Voice of the Prairies." Tues, 9-10 pm. Wed, 9-10 pm, 11-12. Thurs, 7:45-8:45 pm. Fri, 9-10 pm. Sun, 11 am, 7:15 pm., services, 3 pm. Mountain.

CFCQ, Vancouver, B. C. 410.7m-730kc. 5 watts. Sprott-Shaw Radio Co.

CFCT, Victoria, B. C., Can. 329.5m-910kc. 500 watts. The Deaville Station. Slogan, "The Mecca of Tourists." Wed, Fri, 8-9:30 pm. Every second Thurs, 10:30 pm, 12 midnight, Night Birds. Sat, 10-11 pm. Sun, 11 am, 3 pm, 7:30. 9:30, organ. Pacific.

CFCY, Charlottetown, P. E. I. 312.3m-960kc. 50 watts. Island Radio Co.

CFDC, Vancouver, B. C., Can. 410.7m-730kc. 100 watts. Sparks Company.

CFGC, Brantford, Ont. 296.9m-1010kc. 50 watts. Brant Radio Supply Co., Ltd.

CFJC, Kamloops, B. C. 267.7m-1120kc. 15 watts. N. S. Dalgleish and Sons, Weller and Weller.

CFKC, Thorold, Ont., Can. 247-8m-1210kc. 75 watts. D. J. Fendell. Daily ex Sun, 12-12:30 pm, 5-6. Tues, Thurs, Sat, 8:30-10:30 pm. Sun, 11 am, church service; 2-4 pm, 8 pm, sacred concert, music.

CFLC, Prescott, Ont. 296.9m-1010kc. 59 watts. Radio Association of Prescott.

CFMC, Kingston, Ont., Can. 267.7m-1120kc. 20 watts. Monarch Battery Co.

CFQC, Saskatoon, Sask., Can. 329.5m-910kc. 500 watts. The Electric Shop, Ltd. Announcer, Grant Stevenson. Slogan, "The Hub City of the West Where No. 1 Northern Hard Wheat Grows." Daily ex Sun, 9-10 am; 1:15-2 pm, markets, reports, music. Wed, 8-10 pm. Fri, 9-11:30 pm, dance program. Sun, 11 am, 7 pm, church service. Mountain.

CFRC, Kingston, Ont., Can. 267.7m-1120kc. 500 watts. Queen's University.

CFVC, Burnaby, B. C. 410.7m-730kc. 500 watts. International Bible Students association.

CFXC, New Westminster, B. C. 291.1m-1030kc. 50 watts. Westminster Trust Co. and Hume & Rumble, Ltd. Announcer, C. P. Rumble. Slogan, "Voice of the Fraser River." Mon, Wed, Sat, 7:30-8:30 pm. Pacific.

CHCO, Huntsville, Ont. 247.5m-1210kc. 5 watts. A. Staples.

CHCS, Hamilton, Ont., Can. 340.7m-880kc. 10 watts. Hamilton Spectator. Announcer, H. Earnshaw. Daily ex Sun, 6:45 pm, news, markets, baseball. Sat, 10-12 midnight, dance. Sun, 11 am, 7 pm. Eastern.

CHIC, Toronto, Can. 356.9m-840kc. 500 watts. Northern Electric Company, Ltd. Announcer, R. W. Lowman. Mon, 8-10 pm. Sat, 10-12 mid. Sun, 5-6 pm. Eastern daylight.

CHLC, Summerside, P. E. I. 276.7m-1120kc. 50 watts. R. T. Holman, Ltd.

CHNC, Toronto, Can. 356.9m-840kc. 750 watts. Toronto Radio Research society.

CHNS, Halifax, N. S. 322.4m-930kc. 100 watts. Northern Elec. Co., Ltd.

CHUC, Saskatoon, Sask., Can. 329.5m-910kc. 50 watts. International Bible Students' association. Announcer, G. B. Nash. Tues, Thurs, 8-10 pm. Sun, 8:30-10:30 pm.

CHWC, Regina, Sask., Can. 296.9m-1010kc. H. Williams & Co.

CHXC, Ottawa, Ont., Can. 434.5m-690kc. 250 watts. J. R. Booth, Jr. Fri, 8:30-1 am.

CHYC, Montreal, Que., Can. 410.7m-730kc. 750 watts. Northern Elec. Co., Ltd. Announcer, N. S. Richards. Wed, 7-8 pm, 8:30. Sun, 11 am, 7 pm. CNRM programs occasionally. Eastern daylight.

CJCA, Edmonton, Alta., Can. 516.9m-580kc. 500 watts. Edmonton Journal, Ltd. Announcer, R. A. Rice. Slogan: "The Sunniest Spot in Sunny Alberta." Daily ex Sun, 12:30 pm, news, markets. Thurs, 6-8 pm. Mon, Tues, Wed, Sat, 7:30-8 pm. Mon, 8:30-10 pm. Wed, 9-11 pm. Sat, 10-12 mid. Sun, 7:30-9 pm. Mountain.

CJCF, Kitchener, Ont. 247.8m-1210kc. 25 watts. O. Rumpel.

CJGC, London, Ont., Can. 329.5m-910kc. 500 watts. London Free Press. Daily ex Sun, 1-2 pm, stocks, music. Tues, Wed, Thurs, Fri, 7-9 pm. Fri, 11-12 midnight, Sun, 11 am, 1-3 pm, 7, church services. Eastern.

CJKC, Burnaby, B. C., Can. 410.7m-730kc. 500 watts. Pyramid Temple society.

CJOC, South Lethbridge, Alta., Can. 267.7m-1120kc. 50 watts. J. E. Palmer.

CJSC, Toronto, Can. 356.9m-840kc. 500 watts. The Evening Telegram.

CJWC, Saskatoon, Sask., Can. 329.5m-910kc. 250 waats. Wheaton Elec. Co. Announcer, M. Bowes. Daily ex Sun, 12-1 pm, 6-7:30. Mon, 8-10, "The Voice of Saskatoon." Mountain.

CJYC, Toronto, Can. 291.1m-1030kc. 500 watts. Universal Radio of Canada, Ltd.

CKAC, Montreal, Que., Can. 410.7m-730kc. 7,500 watts. La Presse. Announcer, Jacques Cartier. Mon, Wed, Fri, 1:45 pm, orchestra. Daily ex Sat, 4 pm, weather, markets, stocks, reports. Tues, Sat, 7 pm, safety talks; 10:30, dance. Sun, 2:45 pm. Capitol theater; 4:30, first three Thurs of month, CNRM. Last Thurs, Frontenac Breweries studio. Eastern.

CKCD, Vancouver, B. C., Can., 410.7m-730kc. 1,000 waats. Vancouver Daily Province. Announcer, William Rose. Slogan: "Canada's Western Gateway." Daily ex Sun, 8:30-9:30 pm, music, news, entertainment. Pacific.

CKCK, Regina, Sask., Can. 296.9m-1010kc. 500 watts. Leader Pub. Co. Announcer, A. W. Hooper. "The Queen City of the West." Daily ex Sat, Sun, Tues, 9:45-10:30 am; 12:15-1 pm; 7:30-8:15, music, news, markets. Tues, 9:45-10:30 am; 12:15-1 pm; (CNRR) 7:30-9:30 pm. Sat, 9:45-10:30 am; 12:15-1 pm. Sun, 8 pm, service. Mountain.

CKCL, Toronto, Can. 356.9m-840kc. 5,000 watts. The Dominion Battery Co., Ltd. Daily ex Sat, Sun, 10:30 am, 10:58, time. Mon, Wed, Fri, 7 am, 7:15, 7:45, exercises; Mon, 11:20 am, markets; 3:30-4:30 pm. Tues, 3-4:15 pm, 7-11:50. Wed, 11:20 am, 3-3:30 pm. Thurs, 3-4:30 pm. Fri, 11 am, 11:20, markets; 3:15-4:30 pm. Sat, 7-8 pm. Sun, 3-4 pm. Eastern.

CKCO, Ottawa, Ont., Can. 434.5m-690kc. 100 watts. Dr. G. M. Geldert (Ottawa Radio Assn.). Announcer, Dr. O. K. Gibson. Slogans: "Ottawa's Radio Voice," "The Community Voice of Canada's Capital." Tues, 8-10 pm. Sun, 7 pm, services; 9, sacred concert. Eastern.

(The above listings complete the stations in the United States and part of the foreign broadcasters. Part V consists of a complete location index of stations and the remainder of the foreign list. This appears next issue.)

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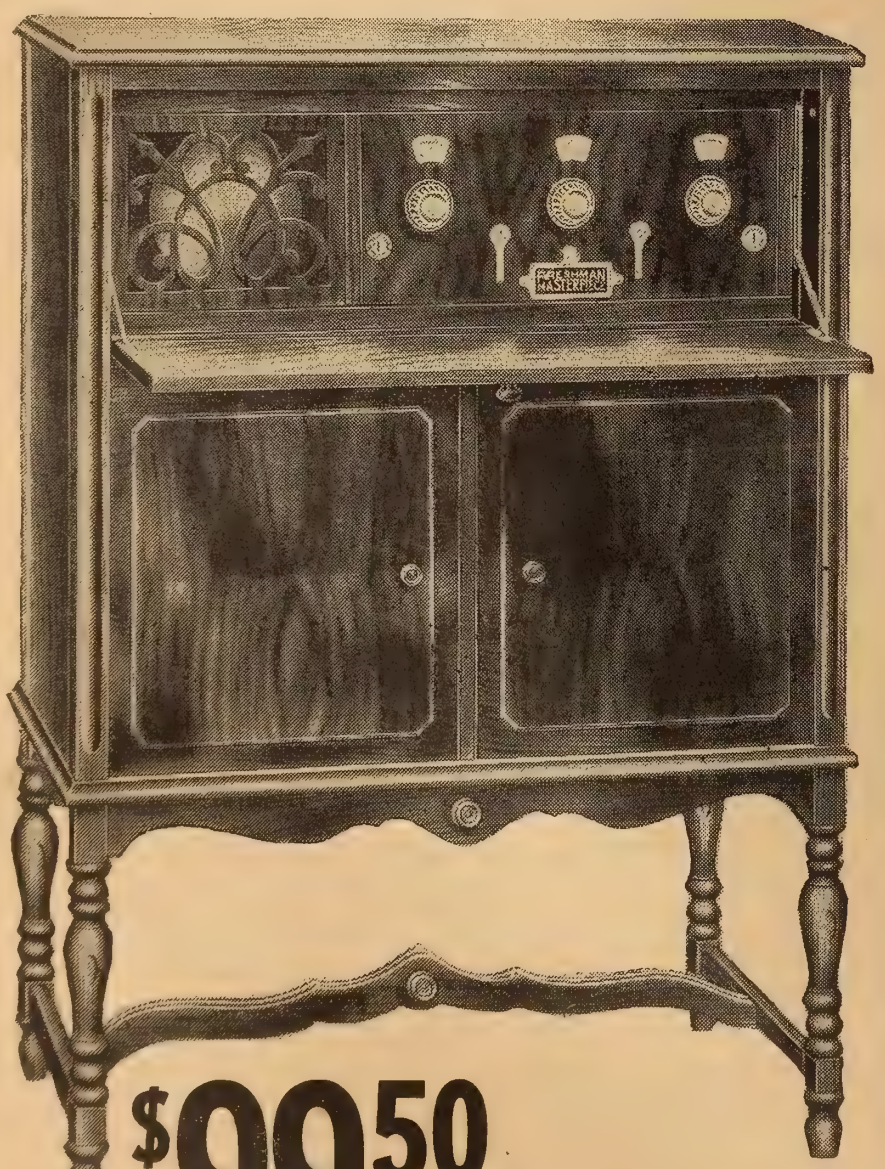

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Announce Gold Cup Winner This Issue

Radio Digest

PROGRAMS Illustrated

TWICE A MONTH

FIFTEEN CENTS

FIRST OCTOBER NUMBER, 192[illegible] Title Reg. U. S. Pat. Off. & Dom. of Canada Vol. XVIII No. 6

Latest in B Eliminators Pictured and Described; "Miss America" on the Air at WPG; WAAM Caters to Entire Family; The Radio Trouble Tree; "Goody Goody Girl" by Taylor

TOUCHDOWN SHOUTS SOON TO FILL ETHER

IMPORTANT GRIDIRON CONTESTS ON MANY MIKES

Big Three, Army-Navy and Big Ten Games Take Limelight as October 2 Dawns

Gridiron contests of importance will fill to capacity the appetites of "touchdown" listeners beginning Saturday, October 2, when the 1926 football season gets under way at most colleges and universities.

In the East J. E. "Jim" Murley, former sports writer and present press representative of WBZ, who handled the games last year, will again broadcast all games picked up by WBZ. These include five Harvard games played at the famous Harvard bowl, and the Dartmouth-Yale, Yale-Army and Holy Cross-Boston College contests. WBZ will also tie in with WJZ and WGY for the Yale-Harvard game, which, however, will not be announced by Murley.

FOOTBALL BROADCASTS

Saturday, October 2

Chicago-Florida at Chicago, WMAQ (447.5m-670kc).
Harvard-Geneva at Cambridge, WBZ (333.1m-900kc).
Mississippi-Arkansas at Fayetteville, KUOA (299.8m-1000kc).
Northwestern-South Dakota at Evanston, WGN (302.8m-990kc).
Princeton-Amherst at Princeton, WJZ (454.3m-660kc).

Saturday, October 9

Chicago-Maryland at Chicago, WMAQ (447.5m-670kc).
El Paso Junior-New Mexico at State College, KOB (348.6m-860kc).
Harvard-Holy Cross at Cambridge, WBZ (333.1m-900kc).
Iowa State-Okla. Aggies at Ames, WOI (270m-1110kc).
Yale-Georgia at New Haven, WJZ (454.3m-660kc).

(Oct. 16, 23 and 30 Games Next Issue.)

Big Three Well Broadcast

From WJZ will emanate seven of the Big Three games beginning October 2. Two other contests, between the Navy and Michigan and Pennsylvania and Cornell, will come through WJZ. WGY, Schenectady, will be tied in with WJZ for six of the games, WBZ two, and WRC one.

The Harvard-Princeton clash at Cambridge will be the most broadcast game on either the WJZ or WBZ schedules. Four stations, WJZ, WBZ, WGY and WRC, will handle it. Jim Murley will announce.

Although definite announcement has not been made who the football announcer for the WJZ pickups will be, Major J. Andrew White, through his long experience as sports announcer, will more than likely be the announcer chosen.

Midwestern Games on Air

"Harry and Hal," Beardsley and Totten respectively, the famous team of WMAQ sports announcers, will handle the Chicago Daily News' participation in football broadcasting, which opens October 2 with the Florida-Chicago game at Chicago. In addition to all University of Chicago home games and the Army-Navy contest at Soldiers' Field, Chicago, Harry and Hal will travel to Philadelphia for the Chicago-Pennsylvania game October 16.

WGN has announced tentatively five games on its microphone calendar, with the promise that seven very important Big Ten and other contests will be listed very soon. The season will be opened by the Northwestern-South Dakota game October 2. Quinn Ryan will announce.

KYW, pioneer sport reporting station of Chicago, with its versatile and famous gridiron announcer, "Shorty" H. A. Fall, at the mike, will give all University of Chicago games played in Chicago, beginning with the Florida contest October 2. On November 27 KYW will pick up the Army-Navy game, the Eastern football classic that is being played this year in Chicago for the first time in history.

HAPPY MARY LEWIS IS ON FRONT COVER

SEE her smile, broadly, beautifully, exposing a great big dimple? You would too, if you had just finished doing what she did. She has just entertained fifteen million Radio listeners tuned to the Radio Industries banquet at New York City and broadcast by forty leading stations.

Who is she, you ask? Why this cover girl is our own famous American soprano, Mary Lewis, Metropolitan Opera star, maker of Victor records and known internationally.

Despite all her laurels, Mary is just herself—a beautiful, happy, "glad-to-meet-you" American girl without a trace of snobbishness or meanness in her character.

Important Fall and Winter Features Are Booked by Leading Broadcasters

Atwater Kent Hour Full Again—Famous Boston Symphony to Be Heard in Twenty-Four Saturday Night Concerts from WBZ—WMAQ Announces Talks by Prominent Governors

GREAT symphony, opera and concert celebrities are booked for the greatest and most cultural season Radio broadcasting has ever known, according to announcements now being received by Radio Digest from broadcast stations throughout the United States.

A. Atwater Kent, whose concerts by famous stars over the WEAF chain, brought so many converts to Radio last year announces the new fall series to begin next Sunday night, 9:15 to 10:15 E. S. T. Among the artists already scheduled for an early appearance are Frances Alda, Lucrezia Bori, Madame Schumann-Heink, Frieda Hempel, Josef Hofmann, Edward Johnson, Albert Spalding, Maria Kurenko, Louise Homer, Reinald Werrenrath, Margaret Matzenauer, Mary Lewis, Rosa Ponselle and Charles Hackett. Mr. Kent has established an unprecedented arrangement with the Metropolitan Grand Opera company whereby their artists, including many never before available, will be on call for his broadcasting concerts.

WBZ Gives Boston Symphony

Another artistic triumph is announced by WBZ, the Westinghouse station at Boston, which states that it has captured the world-renowned Boston Symphony Orchestra for its entire series of twenty-four Saturday night (not consecutive) concerts. The first will be a grand broadcast for the entire Atlantic seaboard and comes October 9. This initial concert will be rebroadcast through WGY, Schenectady, WJZ, New York and WRC, Washington, D. C. The other concerts via WBZ will follow on October 16, 23, 30; November 13, 20; December 4, 11, 18, 25; January 1, 15, 22, 29; February 12, 19, 26; March 5, 19, 26; April 2, 16, 23 and 30. W. S. Quinby is credited for bringing the Boston Symphony to the air audiences.

The Aleppo Drum Corps, internationally famous 218-piece Shriner's band, returned to WBZ for its third season of broadcasting with a concert Monday evening, September 20. The band is under the leadership of Louis and Lewis A. Harlow, father and son. The instruments for this unique organization were especially designed by their leader.

Famous Governors on Mike at WMAQ

WMAQ of the Chicago Daily News will make a bid for national attention with a series of governor's talks each Saturday night from October until June. Governor Alfred W. Smith will be the first speaker and is scheduled to open the series tomorrow (October 2) night. He will be followed by Governor Pinchot of Pennsylvania. Governors of Maryland, South Dakota, Wisconsin, North Dakota, Massachussets, Main, New Jersey, Washington, Iowa, Florida, Arkansas and Minnesota already have accepted invitations to speak.

(Continued on page 12)

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Looking Ahead

Remember "A Step on the Stairs?" Well, you're going to hear about the great broadcast game of **"WHOZIT"** in our next issue. Radio Digest is sponsor again—and it's going to be a hit.

Honorable Mention Awards for the Fifteen Winning Announcers in the big championship Gold Cup contest, just concluded by Radio Digest, will be published in the issue of October 15. See their pictures and how they ran in this great national classic.

Little Jack Little, Claimed by Many to Be the Most Popular Troubadour on the Air, is off for his swing around the South and far West stations. Just before he packed away his music roll and his vest pocket piano he was visited by a Radio Digest writer. Watch for and read what happened. Coming soon.

Don't Miss the Parade of the Loud Speakers! It's going to be conducted by pictures and descriptions in our next issue. See the latest models and the improvements that are making Radio the most enjoyable ever. The parade of B eliminators is now passing by on page seven.

One of the Newest and Most Distinguished Dixie Broadcasters Is WRVA, of Richmond, Va. This station is a beehive of enthusiasm, and the story of its success has been prepared for Radio Digest. Meet WRVA in a forthcoming issue.

Special articles about broadcasting stations and artists, with photographs, and NON-RADIO fiction 5,000, 10,000 and 30,000 words in length are desired. No manuscripts accepted unless typewritten and prepaid, or returned without return postage being inclosed. All manuscripts are sent at owner's risk.

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SHORT WAVES

By Marcella

How to Be Announcer or Studio Director; Ray-O-Vac Twins' Route; Hired Hand and Sunflower Girl; Address of Gene Rouse; "Hal" Totten; Ralph Waldo Emerson; Lee Sims Argument; Jack Little News; Coon Sanders at WGN; Sallie Menkes, Kay Ronayne and Autos; Jack Nelson, Jr.; Marriage of Glenn Rice; Earl Haubrich and George Getsey; Louis J. Johnen; Ralph Patt, Jr.; Wilfred Glenn Abroad; Lewis Reid.

HERE it is, the Springtime of Radio again, and serenaders are dusting off their banjo-mandolins, popular and classical pianists are practicing new numbers, songsters and songstresses are making ready to capture the multitudes with increased repertoires and the mail man is taking an unusual interest in Marcella.

The first letter I pick up is one from a gentleman in Iowa who desires to know the requisites of a Radio announcer and studio director. From my experience, I should say that he should be single and handsome, have captivating mannerisms, a pleasant baritone voice, and a personality that fairly exudes through the microphone. Or, of course, he might keep his marriage a secret. Then he is qualified to be an announcer. To be a studio director he should have knowledge of showmanship and the simple technicalities of good broadcasting arrangement, such as placing the microphone, much tact in handling people, a willingness to submerge his own ability in order not to star himself above his artists, and a large number of friends among the performer and artist group from which he can draw when necessary to build programs. The latter requisite is not really so important, for it falls within the requirements of the program director, and, besides, paid artists are becoming more and more the rule.

* *

The Ray-O-Vac Twins are at it again, and traveling the Radio shows for the moment. Having appeared at South Bend, Kansas City, Cleveland and Milwaukee during September, their October schedule is as follows:

September 30 to October 3 at Dayton, Ohio, Radio show; October 4 to 9 at Cincinnati Radio show; October 11 to 17 at Chicago Radio show; October 18 to 23 at St. Louis Radio show; October 25 to 30 at Indianapolis Radio show.

Of course, they will be on the air from stations at these points. I'll try to keep you informed as to their future itinerary.

* *

"Madam Zita": If you think the Hired Hand is married to the Sunflower Girl, you've been misinformed. He is married and she is married, but not to him. They are related by marriage but not by blood. Now, figure that out. She made records in Chicago this spring, but don't know that she has done any recording in New York.

No, Gene Rouse is not at KOIL—someone has a voice like Gene's, I suppose. If you really want to correspond with Gene, write care of me and I promise to see that he gets your mail, and that "Little Bum-Bum" receives your gifts.

* *

Mrs. M. F. M.: So you like Harold or "Hal" Totten, sports announcer for WMAQ. I do too. He's about 28 years old, plain but wholesome looking, short of stature, of medium weight, has a dimple on his chin, parts his hair 'way over on one side, and wears glasses with frames specified by opticians as "military." He is a graduate of Northwestern university and has had lots of experience in newspaper work with the attendant thrilling tales. When not announcing sports he is either rewriting for the Chicago Daily News, writing or rehearsing a new play, or making fervid love to his very charming brunette wife. Yes, they are very happy and have been married for about two years. They have known and loved one another since childhood.

More about Ralph Waldo Emerson, the hard-working WLS organist? All right, here goes. Ralph is about 30 years old and single. His weight is 185 pounds, height 5 feet 9½ inches, eyes blue, hair light brown. The reason for his irregularity in broadcasting is that he is just starting a new organ school in the Masonic Temple building, Chicago, composed of fourteen organs, and at the same time he is teaching an extension course in organ playing by way of correspondence. These projects keep him so busy, and will for some time to come, that his broadcasting has to be secondary, unfortunately, for the present. His hobby is his school work, and he claims sincerely that he would rather give a lesson than eat a meal. In moments of relaxation he enjoys swimming, and he confesses that he swims "fluently" the year 'round. I certainly shall use my good offices with Radio Digest to see that you are given Ralph's picture.

* *

R. E. W.: You are right—go collect the money. Lee Sims has never been a member of the Coon Sanders orchestra. Since

(Continued on page 15)

EARL MAY WINS GOLD CUP AWARD

FARMER TO BENEFIT BY U.S. AIR PROGRAM

AGR. DEPT. SIGNS 100 KEY STATIONS FOR FEATURES

Farm School, Homemakers' Chats and Noonday Flashes Only Three of Twenty Helpful Broadcasts

WASHINGTON. — Approximately one hundred major broadcasting stations, representing every section of the country, will lend their facilities regularly to the United States Department of Agriculture, starting October 4. The new government farm programs, which cover a wide scope of interest, are to be brief digests of the most timely, pertinent facts woven into story form and carefully adapted to Radio presentation.

The fall and winter broadcasting schedule of the Agricultural Radio service includes twenty special program features each week, covering the full range of interests reached by all bureaus of the department.

Farm School at 25 Stations

The United States Radio Farm school, which has already brought requests for a half million enrollment cards, will be conducted from twenty-five stations. Lessons take the form of experience talks and imaginary inspection tours. Radio "schoolmasters" at the respective stations will conduct classes. Material furnished by the Department of Agriculture will be dramatized in such form as to attract and maintain interest through the courses. Printed lessons are to be mailed to all enrolled students.

Another outstanding service to be released from forty stations is the noonday flashes. This program will enable a million farmers to listen in daily to both sides of an intelligent, interesting, telephone conversation between a county agent and farmer who will discuss timely problems.

"Aunt Sammy" Aids Homemakers

"Aunt Sammy," a new Radio friend and neighbor, will be heard from thirty stations starting October 4. Uncle Sam's sister, who is the official Radio representative of the bureau of home economics of the department of agriculture, has a sense of humor and is the friendly sort. She knows all the new wrinkles and fine points in housekeeping and will tell about them in a style all her own.

Special farm features to be scheduled this fall and winter from fifty stations include "A Weekly Letter to Dad," which the son at college writes home telling the folks the high spots in his studies of agriculture which he believes might well be put into practice on the home place; "Autobiographies of Infamous Bugs and Rodents," a ten-minutes specialty about "Pests That Are Bothering Now," as told by the insects and rodents themselves; "Chats by the Weather Man"; "Primer for Town Farmers"; "An Interview With the Agricultural Economist," and a weekly "Farm News Digest."

Broadcaster Lifesaver When Storm Hits South

WSMB Warns Fishermen and Trappers of Hurricane

NEW ORLEANS.—The first demonstration here of the practicability of broadcasting for other than entertainment took place during the recent tropical hurricane which struck the south central coast of Louisiana and later hitting Florida, when Station WSMB remained on the air over forty hours straight broadcasting advisory bulletins on the progress of the storm.

Because of this service, the tropical hurricane did not come sweeping down unheralded as heretofore on unprotected, lonely fishing craft anchored in secluded covers off the Gulf coast; on trappers miles deep in the almost impenetrable fastness of marshlands and isolated communities and villages. Hundreds of lives were saved.

National Broadcasting Co. Takes Over WEAF Goodwill

NEW YORK.—The formation of the National Broadcasting Company, Inc., was announced by Owen D. Young and James G. Harbord, chairman of the board and president, respectively, of the Radio Corporation of America, in a formal statement here recently.

M. H. Aylesworth, formerly chairman of the Colorado public utilities commission, and more recently managing director of the National Electric Light association, has been named as the president of the new company which will make the station WEAF, formerly owned by the American Telephone and Telegraph company, as the nucleus of a national broadcasting service.

INJURY CAN'T STOP RADIO LOVE MAKER

SCHENECTADY, N. Y.—The actor in the Radio drama may have broken bones or even be minus a leg or two, but, providing he has retained his voice, the audience will enjoy his work quite as much. Ten Eyck Clay, director of the WGY Players, recently tried to start his car by cranking after the battery had become exhausted. The car started at the price of a broken wrist.

In the Radio play that night he made passionate love to the heroine despite his injury.

"PAT" BARNES, WITHIN 12,000 OF BIG PRIZE, PLACES SECOND

KMA Owner Is First with Record Breaking Vote in His Favor—WHT Announcer Wins Silver Cup as Runner-Up—Lillian Shaw of CKY Wins Canadian Trophy

NEW ROYALTY OF ANNOUNCERDOM

Earl E. May, top left; "Pat" Barnes, right; Lillian Shaw, lower left.

LOYAL tall corn farmers of the Middle West are responsible for the victory of Earl E. May, owner and operator of KMA. When once asked how his station had built up such a following, Mr. May answered:

"First of importance, I believe, has been our definite, aggressive and broadminded policy. Second, comes the personality of the announcers and our staff. Third, I would list clear and successful transmission. We have striven to give our audience just a little better than they wanted."

Mr. May is president of the May Seed and Nursery company and also of the American Association of Nurserymen. He is a vigorous personality who personally directs programs and the imparting of information to listeners. The latter he always strives to keep accurate, reliable and trustworthy.

The farmers believe in KMA and its owner. They rely upon his agricultural and horticultural tips. They know, too, that Mr. May understands the farm. He was raised on a cattle ranch in western Nebraska, forty miles from the main line of the railroad, and besides his practical farming experience, he is an efficient judge of human nature and the public mind. He is appreciative of meritorious comments but proof against praise, and he accepts censure in the spirit in which it is given.

Although Shenandoah, Iowa, is a town of but 5,000 people, the interest of the public in KMA was shown this past summer by visits to the station from over 50,000 people.

PATRICK HENRY BARNES, winner of silver cup as runner-up in the 1926 Radio Digest Gold Cup Award, is a likeable figure in Radio. As director and chief announcer of WHT, he and his first lieutenants, Jean Sargent and Al Carney, have made the Wrigley building studio one of the best known in the city of Chicago, the Midwest and the entire country, for that matter. While from point of service, he is still a youth in Radio, Pat has a strong following and may be considered as 1927's most feared gold cup contender.

Mr. Barnes's presentations or continuity sketches and his "Your Hour League" have hundreds of thousands of followers. He is ranked as a leading showman in the present and future art of Radio entertainment.

Last June he was married to Eleanor Gilmour, a singer whose voice is still remembered by the invisible audience. Pat is still young—not over 33—and he is as good looking as his voice and its mannerisms are pleasing. During the world war Pat was overseas with the A. E. F., and while there he achieved fame with his own play, "A Buck on Leave," which many world war vets will remember as a ray of sunshine upon a murky field of mud and blood.

The programs emanating from WHT never seem to be commercial in any sense of the word, yet WHT is a strictly toll station. As such it is the most prominent toll broadcaster west of New York where WEAF holds forth. Because the Wrigley building has been so pleasingly entertaining as a commercial station, we cannot help but admire the ability of its staff.

(Copyright 1926 by Radio Digest)

With 452,901 votes to his credit to mark him indisputably as the world's most popular announcer for 1926, Earl E. May, owner of and announcer for KMA, the May Seed and Nursery company station at Shenandoah, Iowa, went over the top and won the 1926 Radio Digest Gold Cup Award, bringing honor to a little town in Iowa in the midst of the Corn Belt.

But his margin was not great. Close behind him trailed Patrick H. Barnes, director and announcer of WHT, the Radiophone Broadcasting Corporation station, Chicago. Mr. Barnes, at the end of a week's tabulation of votes on the part of the judges, showed a count of 441,379—a matter of but 11,522 less than Mr. May, the champion.

To the victor will be awarded the solid gold cup, shaped like a microphone and valued at $5,000. To the runner-up will be presented the sterling silver cup, identical in design and size with the gold cup that marks second place. Complete final standings for all contestants will appear in the next issue of Radio Digest.

Heavy Vote Breaks Records

The presentations of both cups will be made at the Chicago Radio Show, to be held October 11 to 18 at the Coliseum, Chicago. Although the night of the ceremony has not been set, the event will be broadcast by a chain of stations.

The unusually heavy voting this year was remarkable. Each of the winners polled well over twice as many votes as it took to elect Graham McNamee in 1925 or George Hay in 1924 to the honored position. Perhaps the interest in the contest would not have been so great had not Messrs. Hay and McNamee insisted upon withdrawing this year, both claiming that one gold cup was enough for anyone, and thus establishing a "single term" precedent for world's champions.

But the 1926 race was hot, and almost to the end of the counting not a judge would predict the outcome.

Woman Takes Canadian Cup

A young woman announcer for CKY, Miss Lillian Shaw, took the special silver loving cup offered by Radio Digest for the most popular Canadian announcer this year. This marks the second successive year that a member of the staff of CKY has taken the Canadian cup, last year's having been won by D. R. P. Coats, chief announcer for the Manitoba Telephone System station. Joining with McNamee and Hay, Mr. Coats refused to run again this year, and instead became campaign manager for Miss Shaw.

Complete final standings for all entrants in the Gold Cup Award, together with pictures of the fifteen announcers next in order following May and Barnes, will appear in the next issue of Radio Digest. The fifteen whose pictures will be given will be presented with certificates of honorable mention. Final tabulations and recounts are now being made by the Gold Cup Award Editor and a corps of busy assistants.

LILLIAN SHAW, who now rates as Canada's most popular announcer for 1926, Mr. D. R. P. Coats, 1925 Canadian champion, permitting (by his refusal to run in 1926), is a native Canadian. She was born of English parents in Winnipeg just twenty years ago, and her education consisted of attending the Winnipeg public and high schools. In 1922 she left school to take a business course, and in November, 1923, she joined the staff of CKY as stenographer and daytime program announcer.

She may be said to have grown up with CKY as this was her first business appointment. Miss Shaw is a "preferred" blonde of slight build. She is the daughter of Mrs. A. H. Shaw, one of Winnipeg's best known soprano soloists and winner last year of the prize for operatic singing in the Manitoba Musical Festival.

WAAM Caters to Entire Family

Ira Nelson (top) founder of I. R. Nelson Co. and father of WAAM. At right is Ray Nichols and his golfish looking Four Towers Orchestra ready to tee off from the WAAM microphone. Below is Thomas F. Burley, secretary-manager of the Chamber of Commerce of the Oranges and Maplewood who will direct their new studio, broadcasting through the Nelson station at Newark.

HOME—a family fireside with father, mother, children and perhaps a grandparent or two gathered about the home receiving set listening to the offerings of the air. This is the picture constantly visualized by Ira R. Nelson, Jr., manager of Radio Station WAAM of Newark, N. J.

That is why this pioneer with beginnings back in the first year of general broadcasting calls itself the "home" station. It aims to provide something for every member of the family. There is music to stir the feet of the younger generation and music to stir the hearts of those who are older and more serious.

There is more than music, too. Studios have been established in a number of public centers so that matters of community interest are communicated directly into the homes of those who are unable to be present at the source. Educational subjects are also provided for those who wish to expand their intellectual attainments.

WAAM belongs to I. R. Nelson and began broadcasting in 1922 when it was the second most powerful station in the East. It was superceded only by WJZ which generated 250 watts. It was established by Mr. Nelson and his sons who own and operate a large electrical repair shop.

For a short time, from December 1925 until April of this year the station was operated from the Warner Brothers theater at Fifty-second street and Broadway, New York City under the call letters WBIP. However, it has since resumed under the old name and at the old stand, 1 Bond st., with D. Franklin Scott as chief announcer and Agnes Dentlinger, program director.

"We believe the chief use of the broadcast Radio is for the folks in the home," said Mr. Nelson, Jr. "We believe in the home, home life and the strengthening of home ties. With a good receiving set in congenial home surroundings there is nothing better to keep the family together of an evening. Dance music by the best of orchestras may now be brought into the parlor with sufficient volume and purity of tone to permit dancing by a dozen, a score or more of guests."

Religious faith, affording the sanctity of marriage, the hope of life and consolation in the hour of death also is considered as a vital factor of the home and WAAM endeavors to serve by bringing religious devotions into the homes from the various churches in Newark. It is interdenominational in this service. The Rev. Merril T. MacPherson of Brooklyn has charge of the daily Happy Hour at which a different minister is engaged each day to talk on some aspect of daily living. Miss Cora Morris, soprano, and John Scott, evangelistic singer conduct the music.

"There are only three kinds of entertainment that can be put on the air," continued Mr. Nelson in the course of an interview with the Radio Digest correspondent, "and they are the voice of speech, the voice of song and instrumental music. Due mostly to the fact that the Radio listener doesn't care much for speeches educational programs are often sadly lacking. We believe that so long as a program is nothing but music

(*Contin'd on page 30*)

Did you ever see an official city hostess? No? Then meet Miss Mildred Huntoon, above and at the right, who is officially delegated as hostess of the New Jersey towns of "the Oranges and Maplewood." She will function especially at their Radio studio in the Chamber of Commerce. Miss Irene Hess is program director and Miss Ann Mittleday, accompanist. D. Franklin Scott (right) is WAAM's chief announcer—handsome, as announcers should be.

"Miss America" Is on the Air

LISTENERS FROM Torrid to Frigid Zones Tune in WPG at Atlantic City for Famous Annual Bathing Beauty Pageant

ONLY a few days ago all America was listening in for an important announcement from Atlantic City, N. J.

Newspapers held their presses for the flash, Radio broadcasters stood by to interrupt their programs, and everybody—especially the flowering youth of the nation—was tuned and eagerly waiting.

Then, like a blaze of lightning, it came crackling through the air. WPG had it first:

"Miss Tulsa of Tulsa, Okla., has won the great national beauty title, 'Miss America.' Miss Norma Smallwood is the young lady representing Tulsa. Miss Washington, D. C., was second choice."

The two Venetian maids at the left are Miss Virginia Curtis (left) and Miss Margaret Suacusa who have won the love of WPG listeners with quaint Italian folk songs.

Hearts were beating once more. Music resumed and the world went back to normal—except at WPG, the municipal broadcasting station of Atlantic City. Listeners to this station were privileged to hear the glorious beauty queen crowned and hear her voice over the new 5,000-watt transmitter just placed in commission in time for Atlantic City's great annual event.

Carlo Ferretti (above), of the opera whose rich baritone voice thrills WPG listeners. He sang the gates open at the Sesquicentennial and is identified with Capt. Pat Conway's Concert Band. Miss Norma Smallwood (right) as "Miss Tulsa" is crowned "Miss America" in the presence of WPG "mike."

It is one of the most important functions of the year for WPG—the "World's Playground." And as the hour for the great pageant draws near the station hums with activity. The reigning queen is the center of attention until the time comes to surrender her scepter and become an ex-queen. "Oh to be there and strolling, strolling along the sands," sigh those who must stay at home. But WPG answers, "Tune us in and we will take Atlantic City to you through the air."

* * *

Close your eyes and there you are in the station, pressed close to the big plate glass window opening into the Marine studio. Who is the exquisite young maiden at the microphone? You must know her from the pictures—her fluffy hair blowing in the salty breeze from the sea, her luminous eyes glacing around from time to time and red lips smiling as she speaks in a modulate voice through the microphone. She is clothed in immaculate white, the sun-tinted skin of her throat revealed by the loose drape of her sailor collar. Quite right, you are. She is Miss America, the Miss America of 1925, identified in the public record of births as Miss Fay Lamphier and she is in Atlantic City to welcome to the Royal Ranks the queen of 1926.

At the announcer's desk sits Mr. Edwin M. Spence, director of the station. Presently he will escort you to a balcony at the American Beauty Ball and there describe to you the most exquisite assembly of regal grace ever encompassed by four walls. He will also picture for you the Miss America parade as it passes before the judge's stand in glorious review.

Delightful Mr. Spence—his eyes are ever alert to picture for us the gorgeous scenes that intrigue our eyes of the mind. Follow Mr. Spence with your ears and you will see the cooing infants in their gaily bedecked perambulators as they pass in the famous Baby Parade; you will find yourself rolling along in a chair while a gentle voice whispers in your ear the names of the celebrities you meet rolling from the opposite direction and the chances are you will discern details in their raiment that would have escaped you if you had been using your own eyes.

In the center of the stage, befitting the place of a master of ceremonies, is Director Edwin M. House, public spirited citizen and chief announcer for WPG. Maestro Franko Goldman (above) and his band have been transmitting the glory of the Steel Pier to Radio audiences.

Thus WPG brings to you Atlantic City and, even though you may be engrossed today over the congress of American beauty, tomorrow you will be charmed by a program of music from artists of world renown. You have but to glance at the register book in the solarium as you step from the window of the Marine studio. Names of celebrities are enscribed and they are giving of their art to WPG.

High class dance music is contributed by the orchestras from the leading hotels, including the Morton, Traymore, Ambassador and Chalfonte Haddon Hall. Others are Frank Elliot's Steel Pier Minstrels and Emmet Welsh's Minstrels on the Million Dollar Pier, Victor Recording Syncopators, Wheeler Wadsworth's Hotel Shelburne Dance Orchestra, George Olson's Garden Pier Melody Boys, Seattle Harmony Kings, Fry's Dance Orchestra and the Steeplechase Pier Dance Orchestra.

Among the singers who have achieved great popularity over WPG this summer are Marie Tiffany, soprano; Mme. Julia Claussen, mezzo soprano; Henri Scott, bass baritone, and Paul Althouse, tenor, all of the Metropolitan Opera company; Jules Falk, star pupil of Ysaye; Estelle Wentworth, prima donna of the San Carlo Opera company; Greta (*Continued on page 30*)

Announcing!

A PIONEER IN A PIONEER PROFESSION

Norman Brokenshire Announces

I am glad to announce that arrangements have been completed whereby my services will no longer be confined to any one radio station.

Under this new arrangement, my associates and myself will devote our entire time to creating and producing happy radio hours.

I am now arranging my itinerary for a tour, during which I hope to become personally acquainted with you and your favorite station.

I do not leave my friends—but serve them better.

Norman Brokenshire

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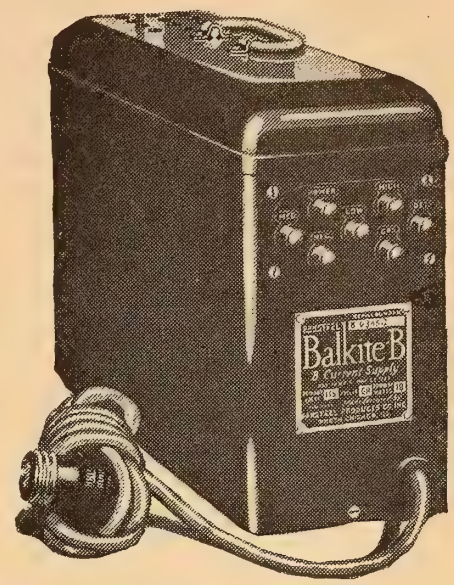
ARROW AMUSEMENT CORP.

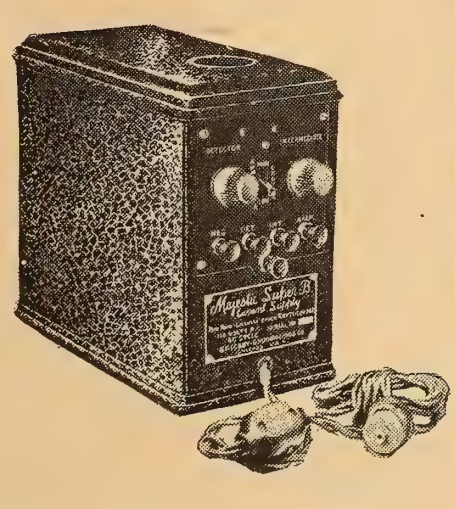
1562 BROADWAY - - - - - NEW YORK CITY

The Parade of B Eliminators

LAST ISSUE we displayed the season's latest offerings in receivers. Next issue loud speakers will be featured, but here we have "The Parade of B Eliminators." And a big parade it is, too, for manufacturers upon manufacturers have taken up the popular problem of lighting current B supply. In apportioning these pages, the problem of classifying A eliminators with B substitutes was discussed, but it was decided to feature trickle chargers and A eliminators in a later issue. So we have below, paraded before you, ten of the 1927 B eliminators which should enjoy a good sale. Their specifications are given insofar as data is available, and their prices may be learned by interested parties merely by writing a letter to RADIO DIGEST. *Nowadays, the "A.C." or power hum has been practically done away with by most eliminator makers. This has been accomplished by careful design and addition of improved filter systems. This year's B eliminators also will be observed to have provided for heavier voltages for power tube operation. Grid bias or C taps have been added, too.*

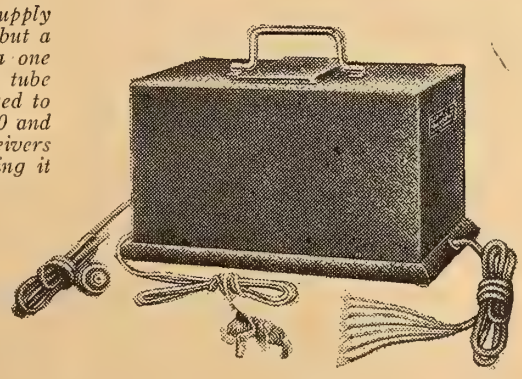


Three new models of Majestic B current supply units are being offered. The model at the right is known as the Majestic Super-B and supplies a maximum of 45 mils at 150 volts, or sufficient to operate sets up to 12 tubes, including power type tubes. Detector and intermediate voltages are variable, and a switch is so arranged that the lighting current can be cut off. Standard-B, less expensive, is designed to operate seven tubes and Master-B, the largest of the Majestic family, handles anything up to 60 mils draw. All use Raytheon tubes.



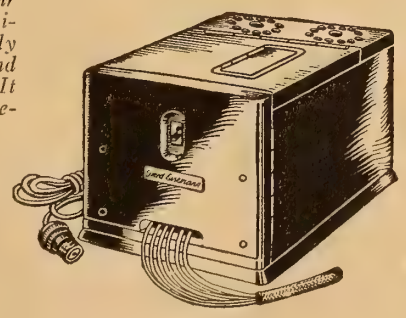
Top left and top right corners of the page show two new members of the Balkite B eliminator family. They are chemical, of course. Top left is model W, low-priced and made to supply sets of 5 tubes or less requiring 67 to 90 volts. Has separate tap for detector tube. Top right is model Y, and it is designed to supply any set, including the largest now on the market. Power tubes are its "dish" and it has enough volume to fill a hall. Intermediate taps for smaller sets are provided. Output, 40 mils at 150 volts. Model X, which comes between the two described, is for sets of from 5 to 8 tubes where 90 to 135 volts are required. Output, 30 mils at 135 volts. Balkite "Combination," another new device, combines Model X with a trickle charger.

And here's the brand new Freshman A-B-C Power Supply (at the right) which leaves nothing to be required but a storage battery. The Freshman device embodies a one ampere Tungar trickle charger with a UV-213 type tube full-wave rectifying B supply. The latter is arranged to give a C voltage of 9, and B voltages of 22½, 45, 90 and 135. The builders of Freshman Masterpiece receivers designed this A-B-C unit for the purpose of building it into their cabinet model sets, but there is no reason why the A-B-C Power Supply should not be used by anyone having a set with from 5 to 8 tubes.

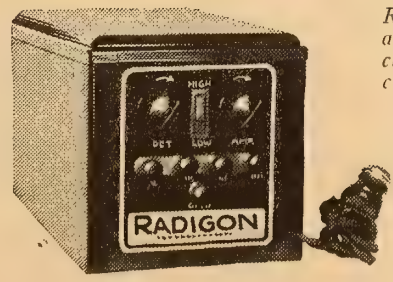


Directly above, in the second row and proudly displaying the "B-T" trademark, is the new Bremer-Tully B-power unit. It is a Raytheon type rectifier, and is designed very evidently with the idea foremost in mind of making it foolproof. Its output voltages may be varied by changing cartridge resistances within the case, but for the standard set these are set at 22½, 45, 90 and 135 volts. A little adjustment plug on the front controls the output current, which can be adjusted even as high as 60 mils at 155 volts.

Even Freed-Eisemann are in the B eliminator business, but just to keep their line complete. The eliminator they make is really a B and C substitute, and is shown at the right. It will operate all Freed-Eisemann 5 to 8-tube receivers, or others having the same power requirements. The unit yields C voltages of 27 (for special power tubes), 9 and 4½, and B voltages of 45, 90 and 135. Another feature is that the unit is shockproof.

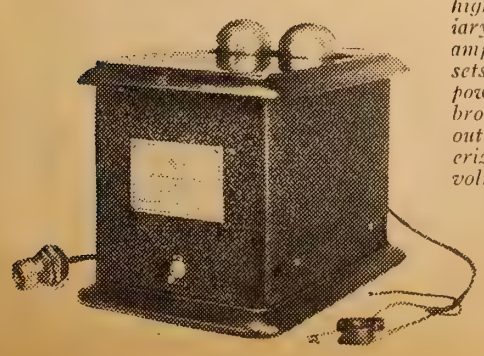


The Kingston, below, sells complete with Raytheon tube. Three voltage taps are provided, and these are variable over a wide range of from 5 to 150 volts. Sufficient plate current is provided to operate any receiver up to ten 201A tubes or equivalent. The case is finished in black and nickel.

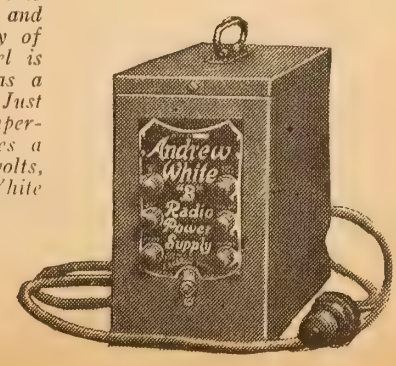


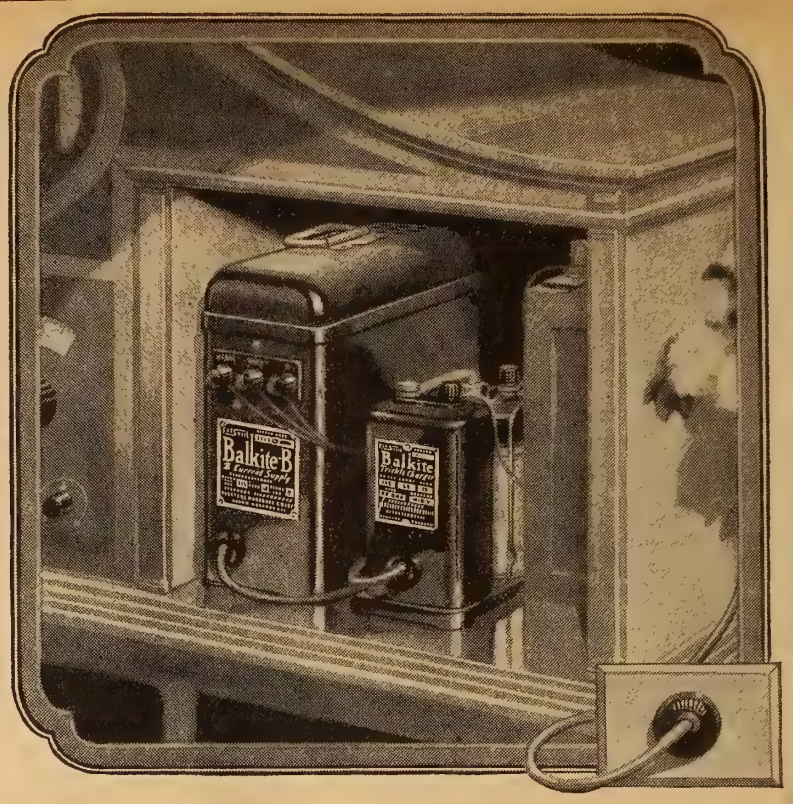
Radigon, left, will operate any set up to 12 tubes, including power tubes, and is compactly assembled in a case finished in green Duco. Three voltage taps are provided and the detector and intermediate are adjustable. A high and low switch is also on the panel. Rectification is accomplished by a gas-filled full-wave type tube sold with the Radigon.

The Powerizer, left, is something new in that it combines B eliminator of high order with an auxiliary stage of super-power amplification, so that older sets lacking the new style power amplifier may be brought up to date without any rewiring. Powerizer supplies up to 170 volts of B power for the set, 350 for the power tube, and A and C power for the power tube.

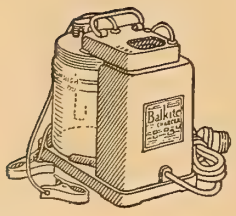


Neat, compact, and powerful, the B eliminators made and sold by J. Andrew White, famous sports announcer, supply smooth and even B current in a variety of voltages. The smaller model is shown at the right and has a maximum voltage of 135. Just introduced, however, is his Super-power model, which provides a maximum voltage of 200 volts, with variable taps. The White eliminators are of the electrolytic type, and use double the usual number of rectifying cells.

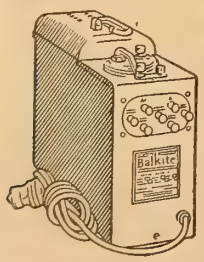




The new Balkite "B" at $27.50 and the Balkite Trickle Charger *furnish all radio power from the light socket*



The New Balkite Charger
MODEL J. Has two charging rates. A low trickle charge rate and a high rate for rapid charging and heavy duty use. Can thus be used either as a trickle or as a high rate charger and combines their advantages. Noiseless. Large water capacity. Visible electrolyte level. Rates: with 6-volt battery, 2.5 and .5 amperes with 4-volt battery, .8 and .2 amperes. Special model for 25-40 cycles. Price $19.50. West of Rockies $20. (In Canada $27.50.)



Balkite Combination
When connected to the "A" battery this new Balkite Combination Radio Unit supplies automatic power to both "A" and "B" circuits. Controlled by the filament switch on your set. Entirely automatic in operation. Can be put either near the set or in a remote location. Will serve any set now using either 4 or 6-volt "A" batteries and requiring not more than 30 milliamperes at 135 volts of "B" current—practically all sets of up to 8 tubes. Price $59.50. (In Canada $83.)

All Balkite Radio Power Units operate from 110-120 volts AC current with models for both 60 and 50 cycles. The new Balkite Charger is also made in a special model for 25-40 cycles.

The light socket is your most convenient source of radio power. Use it by adding the new Balkite "B" and the Balkite Trickle Charger to your radio set.

Balkite "B"—the unique "B" power supply—eliminates "B" batteries entirely and supplies "B" current from the light socket. The new Balkite "B"-W at $27.50* serves any set of 5 tubes or less requiring 67 to 90 volts. Balkite "B"-X at $42* serves sets of up to 135 volts and 8 tubes. Balkite "B"-Y at $69 serves any standard set.

The Balkite Trickle Charger at $10* is probably the most popular of all chargers. Over 200,000 were purchased during one season and are now in service. Instead of operating intermittently at a high rate, it operates continuously at a low rate, thus automatically keeping the battery at full charge. In effect it converts your "A" battery into a light socket "A" power supply. With 4-volt batteries it can be used as an intermittent charger, or as a trickle charger if a resistance is added.

Both Balkite "B" and the Balkite Trickle Charger are noiseless in operation. Both are permanent pieces of equipment, with nothing to renew or replace. Other than a slight consumption of household current, their first cost is the last. Both are built to conform with standards set by the Underwriters' Laboratories.

Over 650,000 radio sets are already Balkite equipped. Make yours a light socket receiver too by adding these Balkite Units. Enjoy the pleasure of owning a radio set always ready to operate at its best.

*Balkite Trickle Charger $10.50 west of Rockies. In Canada: Trickle Charger $15; "B"-W $39; "B"-X $59.50; "B"-Y $96. *Fansteel Products Co., Inc., North Chicago, Illinois.*

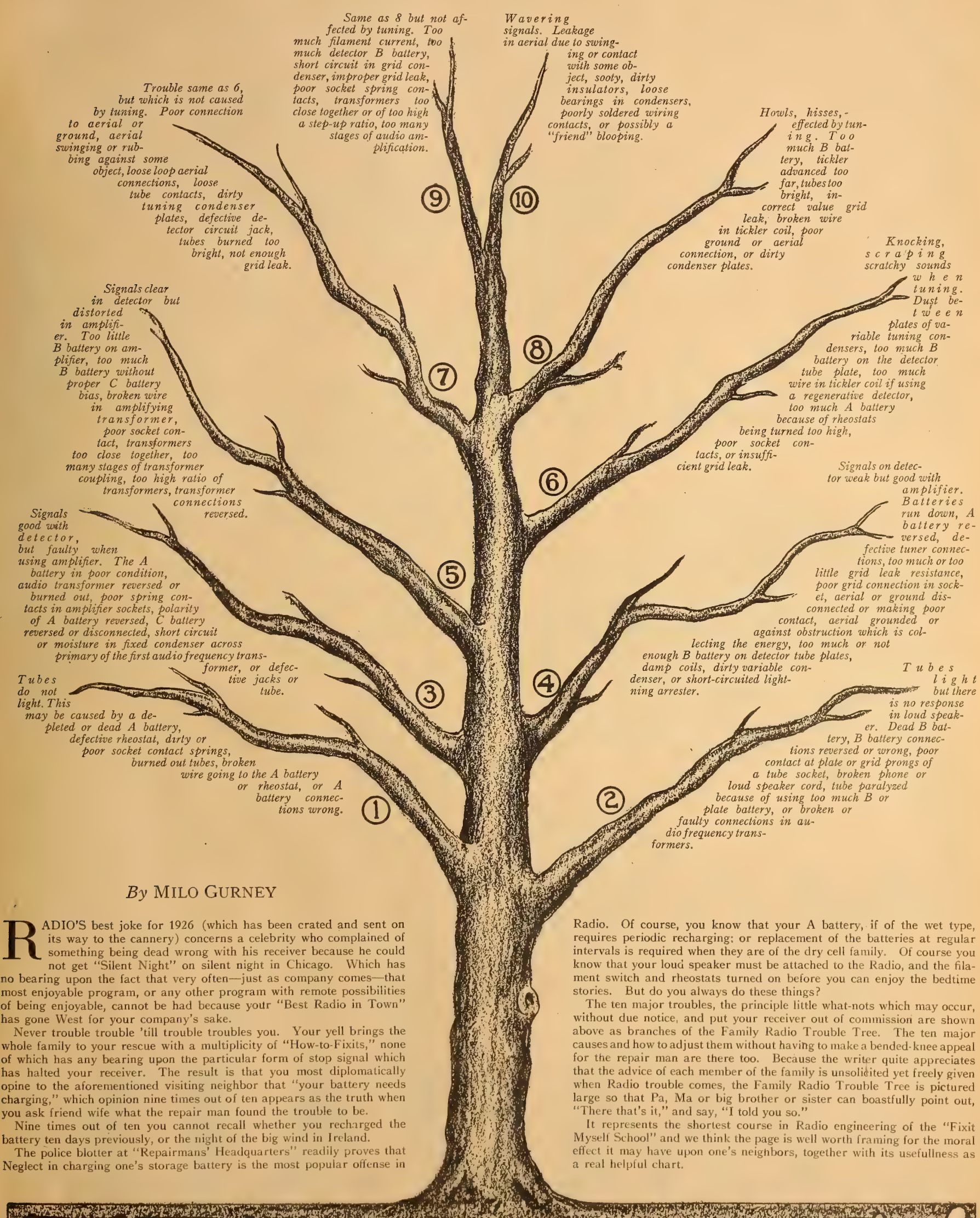
The Balkite
Radio Symphony Concerts with WALTER DAMROSCH *and the New York Symphony*

These concerts will be broadcast every other Saturday Evening, beginning with October 23d. On intervening Saturdays Mr. Damrosch will give a piano lecture recital alone. At 9 P.M. Eastern Standard Time, over a group of 12 stations: WEAF, WEEI, WGR, WFI, WCAE, WSAI, WTAM, WWJ, WGN, KSD, WDAF.

FANSTEEL

Balkite *Radio Power Units*

Family Radio Trouble Tree



By MILO GURNEY

RADIO'S best joke for 1926 (which has been crated and sent on its way to the cannery) concerns a celebrity who complained of something being dead wrong with his receiver because he could not get "Silent Night" on silent night in Chicago. Which has no bearing upon the fact that very often—just as company comes—that most enjoyable program, or any other program with remote possibilities of being enjoyable, cannot be had because your "Best Radio in Town" has gone West for your company's sake.

Never trouble trouble 'till trouble troubles you. Your yell brings the whole family to your rescue with a multiplicity of "How-to-Fixits," none of which has any bearing upon the particular form of stop signal which has halted your receiver. The result is that you most diplomatically opine to the aforementioned visiting neighbor that "your battery needs charging," which opinion nine times out of ten appears as the truth when you ask friend wife what the repair man found the trouble to be.

Nine times out of ten you cannot recall whether you recharged the battery ten days previously, or the night of the big wind in Ireland.

The police blotter at "Repairmans' Headquarters" readily proves that Neglect in charging one's storage battery is the most popular offense in Radio. Of course, you know that your A battery, if of the wet type, requires periodic recharging; or replacement of the batteries at regular intervals is required when they are of the dry cell family. Of course you know that your loud speaker must be attached to the Radio, and the filament switch and rheostats turned on before you can enjoy the bedtime stories. But do you always do these things?

The ten major troubles, the principle little what-nots which may occur, without due notice, and put your receiver out of commission are shown above as branches of the Family Radio Trouble Tree. The ten major causes and how to adjust them without having to make a bended-knee appeal for the repair man are there too. Because the writer quite appreciates that the advice of each member of the family is unsolicited yet freely given when Radio trouble comes, the Family Radio Trouble Tree is pictured large so that Pa, Ma or big brother or sister can boastfully point out, "There that's it," and say, "I told you so."

It represents the shortest course in Radio engineering of the "Fixit Myself School" and we think the page is well worth framing for the moral effect it may have upon one's neighbors, together with its usefullness as a real helpful chart.

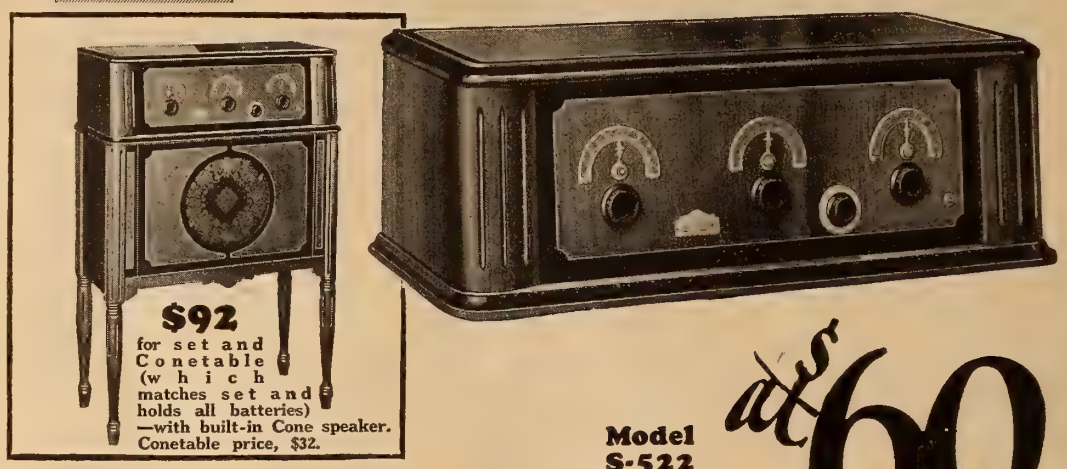
The AMRAD Battery Type

5 TUBE NEUTRODYNE

Powel Crosley, Jr., has so definitely applied his successful methods of mass production to Amrad developments that thousands of radio buyers will be able this season to purchase the superlative Amrad Neutrodynes at prices most unexpectedly low.

From an engineering point of view Amrad has few equals, in experience, equipment and in skill.

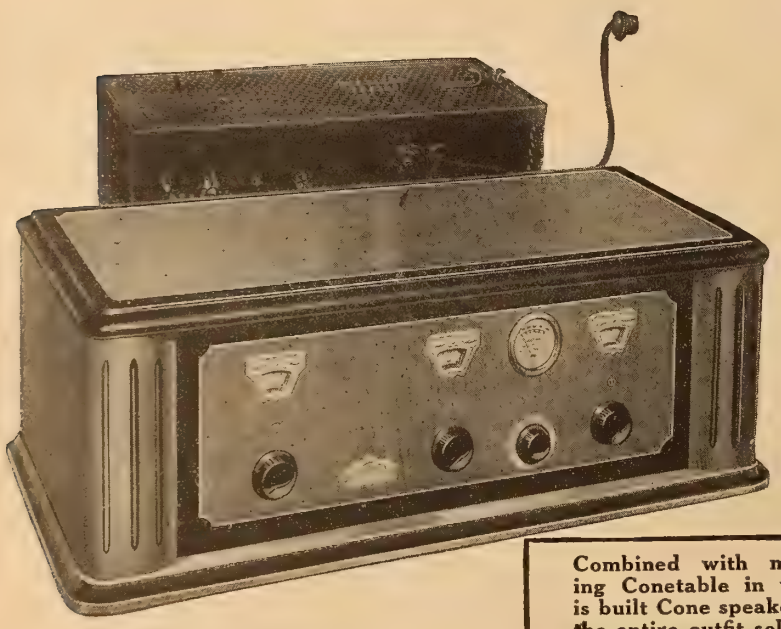
This beautifully two tone finished Battery Type set performs uncannily. Selectivity, tone and volume are all that can be desired. Crosley production has eliminated non-essentials. Vital parts are the finest. It has already proven a great success.



$92 for set and Conetable (which matches set and holds all batteries) —with built-in Cone speaker. Conetable price, $32.

Model S-522 at $60.

The AMRAD AC LAMP SOCKET with ELECTRIC POWER UNIT NEUTRODYNE



Model AC-5

at $150.

This is one of radios GREAT achievements. All power for this set is taken from an electric lamp socket. Do not confuse with battery eliminators. Exclusive patented developments enable Amrad to present a batteryless radio at least one hundred dollars or more under the prices of sets in which the replacement of batteries has been eliminated. This set operates from a special power unit which gives unprecedented tone reproduction.

The Amrad Power Unit operates only as the set is being used. Voltages are always correct values. Exclusive Mershon condensers of 90 mfd capacity produce smooth, clear, lucid tones.

The set uses four UX-199 tubes and one UX-112 power tube. Operates on 60 cycle 100-120 volt ac current. Power unit uses two UX-216-B Rectron rectifier tubes to supply plate current at maximum B voltage of 135 as well as filament current for tubes.

With the powerful, constant, never failing energy this apparatus supplies, a new radio appreciation is acquired by many critics. The set delivers the utmost in radio enjoyment at an almost unbelievable price.

Combined with matching Conetable in which is built Cone speaker the the entire outfit sells for

$182

Conetable price, $32.

Dealers: Full details of Amrad proposition upon application to us or direct to your jobber. Please mention Radio Digest when writing.

AMRAD NEUTRODYNES

AMRAD CORPORATION, Medford Hillside, Mass.

GOODY GOODY GIRL

Shyness and diffidence no longer claimed her, she felt light and dreamy, floating off in a cloud somewhere, eyes half-closed.

WHEREIN the Little Girl from Paradise Sees the Bright Lights and Tastes Champagne for the First Time

By MERLIN MOORE TAYLOR

Illustrations by W. H. WISNER

BRIMMING in the confidence of her mature 18 years, Lois Sylvester took her life in her own hands, defied her stern step-father and started out in the middle of the night to meet the world and conquer it.

Always her own individuality had been suppressed by the narrow, uncompromising Yankee parent who had married her weak-willed Southern mother. Then came the crisis where she had told a little lie, almost inadvertently. She wanted to make the lie good by gaining old Phineas Blair's consent for a visit to her friend's home in Kaneville. This, Blair promptly denied. Lois waited until he was asleep, packed her suitcase, and started out.

It was a dreary trudge with her heavy baggage to the next town to meet the train. She was overtaken by a neighbor lad who almost forced her to enter his car. He demanded pay. The price was a kiss. Lois refused to pay, slapped Herbie Cole a resounding whack, escaped from his embraces and continued her way on foot.

Morning light was breaking when she straggled into the town. She had a little money with which she purchased a meager breakfast and then proceeded to the railroad station. Blair was waiting on the platform, but missed seeing her as she dodged around the train that had just pulled in and was assisted aboard from the opposite side of the track by a young man who had observed her obvious efforts to escape.

He suggested that she enter his compartment where she washed. Her new friend introduced himself as Raymond Lancaster of Chicago. She rather liked him. He advised her to take a nap and left her alone. In a few minutes she was fast asleep. She was awakened almost immediately, it seemed. Lancaster was trying to arouse her. She had been asleep for hours and had passed her junction! The train was now quarantined and she found it would be necessary for her to continue to Chicago.

As she tried to adjust herself to her predicament, Raymond attempted to take her in his arms.

"I love you," he exclaimed fervently. She pushed him backward. . . He seemed sincere.

They were both startled by someone wrapping on the compartment door.

CHAPTER IV

"Men Are Wolves"

LOIS felt herself going weak. She dropped back upon the lounge and flashed Lancaster a frightened look while her lips formed a soundless "Who?"

He shrugged and turned his palms up in a gesture that answered, "I don't know." Then he bent over, bringing his mouth close to her ear and asked in a tense whisper: "Want me to stall, pretend I'm asleep, or out?"

Her scattered wits rallied. She lifted her head and thrust out a determined chin. "No. Open the door."

He obeyed, squaring his shoulders to meet whatever was coming. Then he fell back with an ejaculated "Mrs. Gayton!" that seemed to hold both embarassment and relief.

The tall, well-dressed, sophisticated-looking woman who stood in the swaying aisle beyond the door greeted his surprise with a little laugh. "'Lo, Raymond. Saw you pacing the train like one distracted and thought perhaps a little drink—Oh!" Her jade-colored eyes had gone past him to Lois. "I do beg your pardon . . . I didn't suspect . . . I'm intruding—" She broke off, apparently in deep confusion, and turned as if to go.

Lancaster stretched out a detaining hand. "You're not intruding; you're the answer to prayer. Please come in. May I introduce Miss Lois Sylvester. This, Miss Sylvester, is Mrs. Mildred Gayton."

"The fact is," he hurried on as the newcomer permitted herself to be led into the drawing room, "I've succeeded in getting Miss Sylvester into a bit of a pickle and—"

MRS. GAYTON extended a well-manicured hand to the girl. "I'm sure we shall find a way out of whatever brine this naughty boy has been getting you into, Miss Sylvester."

"It's really the other way around, I'm afraid." Lois found her tenseness vanishing, the blood flowing back into her cheeks. Mrs. Gayton's smile, for all it was a trifle hard-lipped, was reassuring, her handclasp friendly. "It's my fault. I—"

"Nothing of the kind," Lancaster protested gallantly. "I—"

Mrs. Gayton covered her ears with tapering fingers. "Stop it! I can't listen to you both at once. I think I'll let you tell me, Miss Sylvester. First, though—" She produced a small flask of chased silver from her handbag and unscrewed the cap. "Mind the door, Raymond. Here you are, Miss Sylvester."

Lois took the flask. "What is it?"

"Passable Scotch. You needn't be afraid of it."

"Oh! Liquor? I never tasted any. You'll excuse me, but—" Lois handed the flask back to her.

"I don't think I care for any, either," said Mrs. Gayton. "Raymond?"

"You bet! I feel the need of a shot. Well," he held the flask aloft, rendered them an exaggerated bow, "happy days."

"Down the dusty alley with it," retorted Mrs. Gayton and turned back to the girl: "Go ahead with the story, my dear."

Lois gave her the details of their predicament. "Mr. Lancaster was just urging me to come on to Chicago with him," she concluded.

"I see." Mrs. Gayton turned her jade eyes on Lancaster, who had turned brick-red. "Fast worker, aren't you?"

"YOU DON'T see at all," he protested. "I know what you are thinking and it isn't so. I didn't like the idea of Miss Sylvester getting off alone in the night at a wayside station and—"

"We'll let it go at that," Mrs. Gayton ended his explanations. "Now run along somewhere while I talk it over with Miss Sylvester. There are some people you know back in the observation car, Neil Becker among them."

"Becker, eh?" A slight frown crossed Lancaster's face, but vanished almost instantly. "Oh, all right. See you later."

For a moment after he had departed, closing the door behind him, there was silence, then: "I do hope it was all right for me to break in on you that way, Miss Sylvester. I thought it was the right thing to do." (*Continued on page 27*)

AN EVENING AT HOME WITH THE LISTENER IN IN CENTRAL TIME

Call	Location	Met.	Kc.	Saturday	Sunday	Monday	Tuesday	Wed.	Thursday	Friday
CFCA	Toronto....	356.9	840	Silent	6:00- 7:00	Silent	Silent	10:00-11:00	Silent	Silent
CFCN	Calgary.....	356.9	690	11:00- 1:00	Silent	Silent	Silent	Silent	9:00-10:00	Silent
CJCA	Edmonton..	434.5	580	10:00-12:00	8:30- 9:30	8:30-10:30	8:30- 9:00	7:00- 9:00	10:00-12:00	9:00-12:00
CKAC	Montreal...	516.9	730	6:15-11:00	1:45- 4:45	Silent	6:15-10:30	Silent	7:30- 8:30	Silent
CKCL	Toronto....	410.7	840	5:00- 6:00	1:00- 2:55	Silent	5:00- 9:50	Silent	5:00- 6:00	Silent
CKNC	Toronto	356.9	840	8:00- 9:00	Silent	7:00- 8:00	Silent	Silent	Silent	Silent
CKY	Winnipeg...	384.4	780	Silent	Silent	11:00-12:00	Silent	9:00-11:00	9:00-10:00	Silent
CNRO	Ottawa.....	434.5	690	6:30-11:30	Silent	Silent	Silent	6:30-11:30	Silent	Silent
CYL	Mexico City.	480	625	Silent	9:24-10:54	Silent	9:24-10:54	Silent	Silent	9:24-10:54
CZE	Mexico City.	350	857	8:24- 9:24	Silent	8:24- 9:24	8:24- 9:24	8:24- 9:24	8:24- 9:24	8:24- 9:24
KDKA	Pittsburgh..	309	970	7:00- 8:55	6:45- 8:00	5:15- 8:55	7:00-10:35	7:00- 8:55	6:20-11:20	7:00-10:30
KFAB	Lincoln.....	340.7	880	5:20-10:30	9:00-12:00	5:30-10:30	5:30-10:30	5:30-10:30	Silent	5:30-10:30
KFDM	Beaumont..	315.6	950	Silent	8:00- 9:00	Silent	8:00-10:00	Silent	Silent	8:00-10:00
KFH	Wichita....	267.7	1120	7:00- 8:00	Silent	7:00- 8:00	Silent	7:00- 8:00	Silent	7:00- 8:00
KFI	Los Angeles.	467	642	9:00- 4:00	9:00- 1:00	9:00- 1:00	9:00- 1:00	9:00- 1:00	8:30- 1:00	9:00- 1:00
KFJF	Okla. City..	260.7	1150	7:15-10:30	1:30- 9:00	7:15- 9:45	Silent	7:15- 9:45	7:15- 9:45	7:15- 9:25
KFKX	Hastings....	288.3	1040	Silent	Silent	5:15-10:00	5:15- 6:15	5:15- 6:15	5:15-10:00	5:15-10:00
KFNF	Shenandoah	461.3	650	7:00- 8:00	2:30- 8:30	7:00- 9:00	7:00- 8:00	7:00- 8:00	7:00- 8:00	7:00- 8:00
KFOA	Seattle.....	454.3	660	11:30- 1:00	Silent	9:00-12:00	8:00- 1:00	9:00-12:00	Silent	8:00- 1:00
KFON	Long Beach.	232.4	1290	8:30- 2:00	8:30-12:00	8:30- 2:00	8:30- 1:00	8:30- 1:00	8:30- 2:00	8:30- 2:00
KFQB	Fort Worth.	508.2	590	8:30- 9:30	3:00- 8:30	8:30- 9:30	8:30- 9:30	Silent	8:30- 9:30	8:30- 9:30
KFUO	St. Louis....	545.1	550	7:45- 8:45	9:15-10:15	8:00- 9:00	6:30- 7:30	9:15-10:15	Silent	9:30-10:30
KFWB	Hollywood..	252	1190	8:30- 1:00	11:00- 1:00	8:30- 1:00	8:30- 1:00	8:30- 1:00	8:30- 1:00	8:30- 1:00
KFWI	San Fran...	226	1330	Silent	10:00- 2:00	10:00- 2:00	Silent	10:00- 3:00	12:00- 2:00	10:00- 3:00
KGO	Oakland....	361.2	830	11:00- 3:00	8:30-12:00	8:00-12:00	8:00-11:00	8:00-12:00	10:00- 2:00	8:00-11:00
KGW	Portland....	491.5	610	8:00- 2:00	9:30-12:00	8:00- 2:00	8:00- 2:00	8:00-12:00	8:00- 2:00	8:00- 2:00
KHJ	Los Angeles.	405.2	740	8:30-12:00	9:00-12:00	Silent	10:00- 1:00	10:00- 1:00	10:00-12:00	10:00- 1:00
KIAF	Sihtipok....	421	709	Silent	4:00- 5:00	9:00-10:00	Silent	9:00-10:00	Silent	9:00-10:00
KJR	Seattle.....	384.4	780	Silent	9:15-12:30	10:30-12:00	10:30-12:00	10:30-12:00	10:30- 2:00	10:30-12:30
KLDS	Independ...	440.9	680	8:00- 9:00	6:30-10:00	Silent	8:00-11:59	Silent	8:00- 9:00	Silent
KLX	Oakland....	508.2	590	Silent	Silent	11:00-12:00	Silent	10:00-12:00	Silent	9:00-12:30
KMA	Shenandoah	461.3	650	9:00-11:00	4:00- 6:00	9:00-11:00	9:00-11:00	9:00-11:00	9:00-11:00	9.00 11;00
KMMJ	Clay Center.	229	1310	8:00- 9:00	8:45- 9:45	8:00- 9:00	8:00- 9:00	Silent	8:00- 9:00	8:00- 9:00
KMOX	St. Louis....	280.2	1070	6:30-11:00	9:00-10:30	7:00-11:00	6:30-11:00	6:30-11:30	Silent	6:30-11:00
KNX	Hollywood..	336.9	890	9:00- 2:00	8:30-12:00	9:00- 2:00	9:00- 2:00	9:00- 2:00	9:00- 4:00	9:00- 2:00
KOA	Denver.....	322.4	930	6:00- 7:00	4:30- 8:30	5:30- 9:00	5:30- 8:30	5:30- 9:00	5:30- 6:30	5:30- 9:00
KOAC	Corvallis....	280.2	1070	Silent	Silent	9:00-11:00	Silent	9:00-10:00	Silent	9:00-10:00
KOIL	Council Blfs	305.9	980	7:30-12:00	7:30-12:00	6:03-12:00	6:03-12:00	Silent	6:03-12:00	6;03-12:00
KPO	San Fran...	428.3	700	8:30- 2:00	8:00-12:00	8:30- 1:00	8:30- 1:00	8:30- 1:00	8:30- 1:00	8:30- 1:00
KPRC	Houston....	296.9	1010	7:30-11:00	7:30-12:00	7:30-10:00	7:30-10:00	7:30-10:00	7:30-10:00	Silent
KPSN	Pasadena...	315.6	950	10:00-11:00	Silent	Silent	10:00-11:00	Silent	10:00-11:00	Silent
KSBA	Shreveport..	312.5	960	9:00-12:00	7:00-11:00	10:00-11:30	9:00-12:00	Silent	8:00- 9:30	Silent
KSD	St. Louis...	545.1	550	7:00-10:00	5:15- 8:15	8:00-11:00	6:00- 9:30	6:00- 8:00	7:00- 9:00	7:00- 9:00
KSL	Salt Lake...	299.8	1000	9:00-12:00	8:30-11:00	8:00-12:00	7:00- 9:00	8:30-12:00	8:30-12:00	8:30-11:00
KSO	Clarinda....	241.8	1240	Silent	Silent	8:00- 9:00	8:00- 9:00	8:00- 9:00	8:00- 9:00	8:00- 9:00
KTAB	Oakland....	302.8	990	Silent	9:45-11:15	10:00-12:00	10:00-12:00	10:00-12:00	10:00-12:00	10:00-12:00
KTBI	Los Angeles.	293.9	1020	Silent	9:15-11:30	Silent	10:00-11:00	Silent	10:00-11:00	Silent
KTCL	Seattle.....	305.9	980	Silent	8:10-11:10	9:00-10:00	10.00-11.00	Silent	Silent	9.00- 2.00
KTHS	Hot Springs.	374.8	800	9.00-10.15	9:00-12:00	9:00-10:15	9:00-10:20	9:00-10:45	9:00-10:15	9:00-10:00
KTW	Seattle.....	455	660	Silent	9:00-11:30	Silent	Silent	Silent	8:00- 9:30	Silent
KUOA	Fayetteville.	299.8	1000	Silent	Silent	7:30- 8:30	8:00- 9:00	8:00- 9:00	8:00- 9:00	Silent
KVOO	Bristow.....	374.8	800	7:00-10:00	7:00-10:00	7:00-10:00	7:00- 9:00	7:00- 9:00	7:00- 9:00	7:00- 9:00
KWCR	Cedar Rapd.	278	1080	Silent	9:30-10:30	9:00-10:00	Silent	9:00-10:00	Silent	9:00-10:00
KWWG	Brownsville.	278	1080	Silent	Silent	8:30- 1:00	Silent	Silent	8:30- 1:00	Silent
KWSC	Pullman....	348.6	860	Silent	Silent	9 15-11:00	Silent	9:15-11:00	Silent	9:15-11:00
KYW	Chicago....	535.4	560	5:30-11:00	3:30-11:00	Silent	6:00-11 00	5:30-11:00	5:30-11:00	5:30-11:00
NAA	Radio......	434.5	560	Silent	Silent	6:45- 7:00	7:30- 8:30	Silent	Silent	Silent
PWX	Havana.....	400	750	7:30-10:00	Silent	Silent	Silent	7:00- 9:00	Silent	Silent
WAAM	Newark, N.J.	263	1140	5:00-10:00	Silent	5:00-10:00	5:00-10:00	5:00-10:00	5:00- 6:00	5:00-10:00
WADC	Akron......	258	1160	5:30- 6:30	5:30- 6:30	5:30- 1:00	5:30-10:00	5:30- 6:30	5:30- 9:00	5:30-10:00
WAHG	Richmond..	315.6	950	11:00- 1:00	Silent	6:30- 1:00	Silent	6:30-11:00	Silent	7:00-10:00
WAIU	Columbus..	293.9	1020	8:15-10:00	2:30- 6:00	5:00-10:30	5:00- 9:15	5:00- 6:00	5:00- 6:00	5:00- 9:00
WAMD	Minneapolis	244	1230	6:15-10:30	6:15-10:30	7:00-12:00	Silent	7:00-12:00	6:15-12:00	6:15-12:00
WBAL	Baltimore..	246	1220	Silent	6:30- 7:30	5:30- 9:00	5:30- 9:00	Silent	5:30- 9:00	5:30- 9:00
WBAP	Fort Worth.	475.9	630	7:30-11:00	9:30-11:00	7:30-12:00	7:30-11:00	Silent	7:30-12:00	7:30-12:00
WBAR	Sisiht......	406	756	Silent	10:00-11:00	9:00-10:00	Silent	8:00- 9:00	7:30- 8:30	Silent
WBBM	Chicago....	226	1330	8:00- 2:00	4:00- 1:00	Silent	8:00-12:00	8:00-12:00	8:00-12:00	8:00-10:00
WBBR	Staten Isld..	272.6	1100	7:00- 9:00	8:00- 9:15	7:00- 8:00	Silent	Silent	7:00- 8:00	Silent
WBCN	Chicago....	266	1130	9:00- 1:00	5:00-12:00	Silent	9:00- 1:00	8:00-12:00	9:00- 2:00	9:00-10:00
WBZ	Springfield..	333.1	900	5:15- 9:00	6:00- 8:30	5:00- 9:00	5:00- 9:00	5:00- 9:00	5:00- 9:00	5:00- 9:00
WCAE	Pittsburgh..	461.3	650	5:30- 8:30	3:00- 8:15	5:00-11:00	5:00-10:00	5:30-11:00	5:00-11:00	5:00-10:00
WCAU	Philadelphia	278	1080	Silent	4:00- 7:30	6:30- 9:50	6:30-10:00	6:30-10:00	5:30-10:00	6:30-10:00
WCBD	Zion........	344.6	870	Silent	8:00-10:30	Silent	8:00-10:30	Silent	8:00-10:30	Silent
WCCO	Minn.-St.P.	416.4	720	6:15-11:05	4:10-11:30	6:15-12:30	7:00-12:00	7:00-12:30	8:00- 9:00	6:15 11:05
WCOA	Pensacola...	222	1350	Silent	Silent	7:00- 8:30	Silent	7:00- 8:30	Silent	7:00- 8:30
WCX	Detroit.....	516.9	580	5:00- 6:00	6:15- 7:15	5:00- 8:00	5:00-10:00	5:00- 8:00	5:00- 8:00	5:00-10:00
WDAF	Kansas City	365.6	820	6:00- 1:00	4:00- 4:45	6:00- 1:00	6:00- 1:00	6:00- 1:00	6:00- 1:00	6:00- 1:00
WDBO	Winter Park	239.9	1250	6:25-10:00	6:30- 7:30	6:25-10:00	6:15-10:00	6:25-10:00	6:25-10:00	6:15-10:00
WDOD	Chattanooga	256.3	1250	Silent	9:15-10:15	6:30- 9:15	9:00- 9:30	6:30- 9:15	Silent	6:30-12:00
WEAF	New York...	491.5	610	4:00-11:00	2:00- 8:45	3:00-11:00	3:00-11:00	3:00-11:00	3:00-11:00	3:00-11:00
WEAN	Providence..	270.1	1110	4:30- 8:30	5:30- 6:45	4:30- 8:30	4:30- 8:30	4:30- 8:30	4:30- 8:30	Silent
WEAO	Columbus..	293.9	1020	Silent	Silent	Silent	6:00- 8:00	7:00- 8:00	7:00-10:00	Silent
WEBH	Chicago....	370.2	810	7:00- 2:00	5:00- 9:00	Silent	7:00-12:30	7:00-12:30	7:00-12:30	7:00-12:30
WEBJ	New York...	272.6	1100	Silent	Silent	Silent	7:00- 9:00	7:00- 9:00	Silent	7:00- 8:00
WEEI	Boston.....	348.6	860	Silent	5:00-10:15	6:30-10:30	6:30-10:30	6:00-10:00	6:30-10:00	6:30-10:00
WEMC	Berrien Spgs	315.6	950	Silent	8:15- 9:15	8:15- 9:15	Silent	8:15- 9:15	Silent	9:00-10:00
WENR	Chicago....	265.3	1120	6:00- 2:00	2:00-12:00	Silent	6:00-10:00	7:00- 2:00	6:00-10:00	6:00- 2:00
WFAA	Dallas......	475.9	630	6:30-12:00	6:00-12:00	6:30- 9:30	6:30-12:00	Silent	6:30- 9:30	6:30- 9:30
WFI	Philadelphia	394.5	760	5:45-10:00	6:30- 7:30	5:45- 6:45	5:45-10:30	5:45- 6:45	5:45-10:00	5:45- 6:45
WGBF	Evansville...	236.1	1270	Silent	Silent	Silent	6:30-10:00	Silent	Silent	7:00-10:00
WGBS	New York...	315.6	950	5:00-10:30	7:00- 8:00	6:00- 6:15	5:00-10:30	5:00- 7:30	5:00- 7:45	Silent
WGCP	New York...	252	1190	7:30-11:00	2:00- 5:00	8:00-10:30	Silent	6:00- 8:15	9:30-12:00	6:00- 8:10
WGES	Chicago....	250	1200	5:00- 1:00	5:00- 1:00	Silent	5:00- 1:00	5:00- 1:00	5:00- 1:00	5:00- 1:00
WGHB	Clearwater..	266	1130	Silent	Silent	7:30- 9:00	6:30- 7:30	7:30- 9:00	6:3C- 7:30	7:30- 9:00
WGHP	Detroit.....	270	1110	Silent	Silent	5:00- 9:00	5:00- 9:00	5:00- 9:00	5:00-11:00	5:00-11:00
WGN	Chicago....	302.8	990	5:00-11:00	2:00-11:00	Silent	6:01-11:00	6:01-12:30	6:01-11:00	6:01-11:00
WGR	Buffalo.....	319	940	Silent	6:45- 9:15	7:00-12:00	5:30-10:30	5:30-10:00	5:30-10:00	8:00-12:00
WGY	Schenectady	379.5	790	6:30-10:30	6:30- 7:30	5:30- 6:30	5:30-10:30	5:30- 8:30	5:30-11:30	5:30-10:30
WHAD	Milwaukee..	275.1	1090	6:10- 7:10	3:00- 4:00	6:10- 9:30	6:10- 9:30	6:10-12:30	6:10- 9:30	6:10- 9:30
WHAR	AtlanticCity	275.1	1090	6:30- 8:00	6:50- 9:00	6.30-11 00	6 30- 8 00	Silent	6 30-11 00	6 30- 8 00
WHAS	Louisville...	399.8	750	7:30- 9:00	4:30- 5:30	Silent	7:30- 9:30	7:30- 9:00	7:30- 9:00	7:30- 9:00
WHAZ	Troy.......	379.5	790	Silent	Silent	8:00-11:00	Silent	Silent	Silent	Silent
WHB	Kansas City	365.6	820	Silent	8:00- 1:00	7:00- 8:00	7:00- 9:00	7:00-11:45	7:00- 9:00	7:00- 8:00
WHN	New York...	361.2	830	Silent	5:30- 7:30	5:30-12:00	7:00-10:30	6:30-11:30	7:30-11:30	7:00-12:00
WHO	Des Moines.	526	570	Silent	5:00-12:00	7:30-12:00	7:30-12:00	6:00-11:30	7:30-12:00	7:30-12:00
WHT	Chicago....	399.8	750	6:00-12:00	11:00- 9:30	Silent	6:00-12:00	6:00-12:00	6:00-12:00	6:00-12:00
WIBO	Chicago....	226	1330	6:00- 8:00	2:00-12:00	Silent	6:00- 2:00	6:00-12:00	6:00- 2:00	6:00- 1:00
WIP	Philadelphia	508.2	590	5:05-10:00	6:30- 7:30	5:45- 7:00	5:05-11:30	5:05- 7:00	5:05-10:00	5:05- 7:00
WJAR	Providence..	305.9	980	Silent	5:00- 8:15	6:45-10:00	6:30- 9:00	6:30-10:00	6:45-10:00	6:45-10:30
WJAX	Jacksonville	336.9	890	7:00- 9:00	6:30- 7:30	7:00- 9:00	7:00-11:00	7:00- 9:00	7:00-11:00	7:00- 9:00
WJAZ	Chicago....	329.5	910	9:00- 1:00	7:00- 9:00	Silent	9:00-12:00	9:00-12:00	9:00-12:00	9:00-12:00
WJJD	Mooseheart.	370.2	810	5:30- 1:00	1:00- 2:00	Silent	5:30- 1:00	5:30- 1:00	5·30- 1:00	5:30- 1:00
WJR	Pontiac.....	516.9	580	6:00-11:30	9:00-10:00	6:00- 9:00	6:00- 9:00	6:00-12:00	6.00- 9:00	6:00- 9:00
WJZ	New York...	454.3	660	5:05- 9:30	7:00- 8:30	5:05- 9:30	5:05- 9:45	5:05- 7:30	5:05-10:00	5:05- 9:30
WKAQ	San Juan...	340.7	880	Silent	Silent	6:30- 8:00	Silent	6:00- 8:00	Silent	6:00- 8:00
WKRC	Cincinnati..	422.3	710	9:00-10:15	4:45-10:15	4:00-11:00	8:00-10:45	4:00-11:00	8:00-10:15	Silent
WLIB	Chicago....	302.8	990	7:30- 1:00	5:00- 6:15	Silent	7:00- 1:00	7:00- 1:00	7:00- 1:00	7:00- 1:00
WLIT	Philadelphia	394.5	760	Silent	Silent	7:00-10:30	Silent	6:30-10:00	Silent	6:00-10:00
WLS	Chicago....	344.6	870	5:30-12:00	6:00- 7:55	Silent	5:30- 7:55	5:30-12:00	5:30- 7:55	5:30-11:00
WLW	Cincinnati..	422.3	710	6:45- 9:00	3:00- 9:30	7:00-10:00	7:00-10:00	7:00-12:00	7:00- 1:15	Silent
WLWL	New York...	288.3	1040	Silent	Silent	7:00- 9:45	8:00-10:15	8:00- 9:45	Silent	Silent
WMAK	Lockport...	265.5	1130	6:00- 8:30	6:45- 7:45	6:15- 9:30	6:15- 9:30	6·15- 9:00	Silent	6:45- 9·00
WMAQ	Chicago....	447.5	670	6:00-10:00	Silent	Silent	6:00: 9:45	6:00-10:00	6:00-10:00	6:00-10:00
WMBB	Chicago....	250	1200	7:00-11:00	3:00-11:00	Silent	7:00-11:00	7:00-11:00	7:00-11:00	7:00-11:00
WMBF	Miami Bea'h	384.4	780	6:00-12:00	6:00-12:00	6:00-12:00	6:00-12:00	6:00-12:00	6:00-12:00	6:00-12:00
WMC	Memphis...	499.7	600	8:30- 9:30	Silent	8:30- 9:30	8:30-12:00	Silent	8:30- 9:30	8:30-12:00
WMCA	New York...	340.7	880	8:00-12:00	6:00- 9:00	8:00-11:00	7:00-11:00	8:00-11:00	8:00-11:00	7:00-10:45
WNAC	Boston.....	431	697	4:00- 9:00	1:15- 6:45	4:30- 8:45	4:00- 7:00	4:00- 8:00	4:00- 7:00	4:00- 9:00
WNYC	New York..	526	570	6:00- 9:30	8:00-10:00	6:35-10:30	6:10-10:30	6:30- 9:30	6:30- 9:30	6:30- 9:30
WOAI	San Antonio	394.5	760	Silent	7:45- 8:45	Silent	8:30-10:30	8:30- 9:30	8:30- 9:30	8:30- 9:30
WOAN	Lawrenceb'g	282.8	1060	Silent	9:00-10:00	9:00- 1:30	9:00-10:00	9:00-10:00	9:00-10:00	9:00-10:00
WOAW	Omaha.....	526	570	6:00-12:00	6:00- 9:00	6:00-11:00	6:00- 1:00	Silent	6:00- 1:00	6·00-11:15
WOAX	Trenton....	240	1250	Silent	7:30- 9:30	Silent	Silent	Silent	Silent	Silent
WOC	Davenport..	483.6	620	9:00-10:00	6:30-11:00	Silent	8:00-10:00	9:00-10:00	7:00-10:00	8:00-10:30
WOI	Ames.......	270.1	1110	Silent	Silent	7:45- 8:45	Silent	Silent	7:30- 8:30	Silent
WOK	Homewood.	217.3	1380	6:00-12:00	6:00-12:00	Silent	6:00-12:00	6:00-12:00	6:00-12:00	6:00-12:00
WOO	Philadelphia	508.2	590	6:30- 7:30	5:00- 6:00	6:30-10:30	6:30- 7:30	6:30-10:30	6:30- 7:30	6:30-10:30
WOOD	Grand Rpds.	242	1240	9:00-11:35	Silent	9:00-12:00	9:00-11:05	9:00-11:05	Silent	9:00-11:05
WOQ	Kansas City	278	1080	8:00-11:00	7:00- 7:45	Silent	8:00- 9:00	Silent	7:00- 9:00	Silent
WOR	Newark.....	405.2	740	5:15- 7:30	Silent	5:15- 9:00	5:30-10:15	5:15- 7:45	5:15-10:00	5:30-10:15
WORD	Batavia.....	275	1090	7:00-10:00	2:30-10:00	Silent	7:00-12:00	7:00-10:15	7:00-10.00	7:00-10:00
WOS	Jeffer'n City	440.9	680	Silent	5:00- 8:30	8:00-10:00	Silent	8:00-10:00	Silent	8:00-10:00
WPG	AtlanticCity	299.8	1000	6:00-11:00	3:15-10:00	6:00-11:30	6:00-11:30	Silent	6:00-11:30	6:00-11:00
WQJ	Chicago....	447.5	670	7:00- 3:00	3:00-10:00	Silent	7:00- 2:00	7:00- 2:00	7:00- 2:00	7:00- 2:00
WRC	Washington	468.5	640	6:00-11:15	5:20- 8:15	5:00- 9:00	6:00- 9:30	6:00- 9:00	6:00-10:00	6:00- 9:30
WREO	Lansing....	285.5	1050	9:00-11:00	Silent	Silent	7:15- 9:00	5:00- 6:00	5:00- 8:15	5:00- 6:00
WRR	Dallas......	245.8	1220	6:00- 9:00	7:30-10:30	6:00- 9:00	6:00- 7:00	Silent	6:10-10:30	6:10-12:00
WRVA	Richmond..	256	1170	Silent	Silent	7:00-10:00	10:00-12:00	7:00-10:00	7:00-10:00	6:00-10:00
WSAI	Cincinnati..	325.9	920	6:45-12:00	7:45- 9:15	8:00-11:00	6:45- 9:00	7:30- 9:30	6:00-10:00	Silent
WSB	Atlanta.....	428.3	700	8:00-12:00	7:30- 9:15	8:00-12:00	8:00-12:00	10:45-12:00	8:00-12:00	8:00-12:00
WSBC	Chicago ...	238	1260	6:30- 9:00	6:30- 1:00	6:30- 7:00	6:30- 1:00	6:30- 1:00	6:30- 1:00	6:30- 1:00
WSM	Nashville...	282.8	1060	7:00-11:00	7:30- 9:00	7:00- 9:00	7:45- 9:00	7:00-11:00	Silent	7:00-11:00
WSMB	New Orleans	319	940	8:30-10:30	Silent	8:30-10:30	Silent	8:30-10:30	8:30-10:30	Silent
WSOE	Milwaukee..	245.8	1220	7:30-10:30	8:00- 9:00	7:30-10:00	8:00-10:15	9:15-10·15	6:50-10:00	8:45-10:00
WSUI	Iowa City...	483.6	620	Silent	9:00-10:00	8:00- 9:00	Silent	Silent	Silent	Silent
WSWS	Chicago....	275.1	1090	6:00- 1:00	6:00- 1:00	7·00- 9:00	6:00- 1:00	6:00- 1:00	6:00- 1:00	6:00- 1:00
WTAG	Worcester..	545.1	550	Silent	2:00- 8:15	7:05- 8:00	8:00- 9:00	6:30- 9:00	7:30- 9:00	6:45-10:00
WTAM	Cleveland...	389.4	770	6:30- 9:00	5:00- 8:00	5:00-11:00	5:00-11:00	5:15-10:00	5:00-11:00	5:30-11:00
WTIC	Hartford...	475.9	630	6:00-10:00	Silent	6:00-10:00	6:00-10:00	Silent	6:00-10:00	6:00-10:00
WWJ	Detroit.....	352.7	850	Silent	6:20- 8:45	5:00- 9:00	5:00- 8:00	5:00-10:00	5:00- 8:00	5:00-10:30

STATIONS IN ORDER OF WAVE LENGTHS

Meters	Call	Meters	Call	Meters	Call	Meters	Call	Meters	Call	Meters	Call
217.3	WOK	265.6	WMAK	299.8	KUOA	348.6	KWSC	405.2	KHJ	475.9	WTIC
222	WCOA	268	KFH	299.8	WPG	348.6	WEEI	405.2	WOR	475.9	WFAA
226	KFWI	270.1	WEAN	302.8	WGN	350	CZE	406	WBAR	480	CYL
226	WBBM	270.1	WGHP	302.8	WLIB	352.7	WWJ	410.7	CKAC	483.6	WOC
226	WIBO	270.1	WOI	302.8	KTAB	356.9	CFCA	416.4	WCCO	483.6	WSUI
229	KMMJ	272.6	WBBR	305.9	KOIL	356.9	CKCL	421	KIAF	485.1	WJAR
232.4	KFON	272.6	WEBJ	305.9	KTCL	356.9	CKNC	422.3	WLW	491.5	KGW
236.1	WGBF	275.1	WHAD	309.1	KDKA	361.2	KGO	422.3	WKRC	491.5	WEAF
238	WSBC	275.1	WHAR	312.5	KSBA	361.2	WHN	428.3	WSB	499.7	WMC
240	WOAX	275.1	WORD	315.6	KFDM	365.6	WDAF	428.3	KPO	502.8	KFQB
241.8	KSO	275.1	WSWS	315.6	KPSN	365.6	WHB	431	WNAC	508.2	KLX
241.8	WOOD	278	KWCR	315.6	WAHG	370.2	WEBH	434.5	CNRO	508.2	WIP
244	WAMD	278	KWWG	315.6	WEMC	370.2	WJJD	434.5	CFCN	508.2	WOO
246	WBAL	278	WCAU	315.6	WGBS	374.8	KTHS	434.5	NAA	516.9	CJCA
246	WSOE	278	WOQ	319	WGR	374.8	KVOO	440.9	KLDS	516.9	WCX
250	WGES	280.2	KMOX	319	WSMB	379.5	WGY	440.9	WOS	516.9	WJR
250	WMBB	280.2	KOAC	322.4	KOA	379.5	WHAZ	447.5	WMAQ	526	WHO
252	KFWB	282.8	WOAN	325.9	WSAI	384.4	CKY	447.5	WQJ	526	WNYC
252	WGCP	282.8	WSM	329.5	WJAZ	384.4	KJR	454.3	KFOA	526	WOAW
256	WDOD	285.5	WREO	333.1	WBZ	384.4	WMBF	454.3	WJZ	535.4	KYW
256	WRVA	288.3	KFKX	336.9	KNX	389.4	WTAM	455	KTW	545.1	KFUO
258	WADC	288.3	WLWL	336.9	WJAX	394.5	WFI	461.3	KFNF	545.1	WTAG
260.7	KFJF	293.9	KTBI	340.7	KFAB	394.5	WLIT	461.3	KMA		
263	WAAM	293.9	WAIU	340.7	WKAQ	394.5	WOAI	461.3	WCAE		
265.6	WBCN	293.9	WEAO	340.7	WMCA	399.8	WHAS	467	KFI		
265.6	WENR	296.9	KPRC	344.6	WCBD	399.8	WHT	468.5	WRC		
265.6	WGHB	299.8	KSL	344.6	WLS	400	PWX	475.9	WBAP		

IMPORTANT FEATURES

(Continued from page 2)

This station also is planning a series of educational talks by well-known authorities for school children of the primary grades. Offices where large forces of clerical help are employed will be given an opportunity to give them ten minutes-a-day exercises to freshen them up and make them more efficient. Charts are furnished and physical director of the Central Y. M. C. A. will conduct the "kink eliminators."

WLS Prominent Pastor Series

Religious services of the University of Chicago broadcast through the WLS, the Sears-Roebuck Agricultural Foundation station, will include sermons by the following prominent pastors: Rev. M. H. Krumbein, Parkside Evangelical church, Buffalo, October 10 and 17; Rev. Harold E. B. Speight, Kings Chapel, Boston, October 24 and 31; Rev. Lynn Harold Hough, Central Methodist Episcopal, Detroit, November 7 and 14; Rev. C. Wallace Petty, First Baptist, Pittsburgh, November 21 and 28; Rev. David Bryn-Jones, Trinity Baptist, Minneapolis, December 5 and 12, and President Bernard Iddings Bell, St. Stephens College, convocation, December 19.

Arrangements have been made for a series of "Little Journeys with Noted Authors" with John M. Stahl as the WLS guide. About twenty authors have been listed to broadcast something of their experiences and their works.

Other New Programs Announced

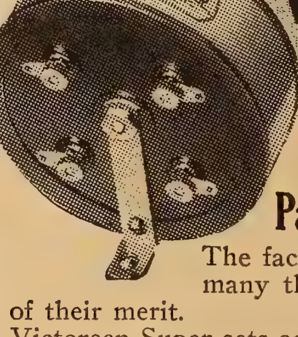
The WBCN Ensemble has arranged a special feature series of poetical readings with musical accompaniments for the Chicago listener's circle. They are scheduled for alternate Thursdays between 10 and 11 p. m.

WOOD of Grand Rapids, Mich., will inaugurate its new station with an "Air Mail Hour." This is a new idea in conjunction with the request program between 11 and 12 p. m. All letters received by the new air mail service will be answered by air mail. The air mail route is between Detroit and Grand Rapids.

Several new orchestras from four of the most popular cafes in Pittsburgh have been added to the WCAE programs. Dr. Cadman of Brooklyn will conduct one of the various Sunday services each week. He is on the WCAE wave at 4 p. m.

Neumiller Directs WIBO Music

CHICAGO.—The audience that nightly listens to the programs from WIBO will be pleased to know that Howard Neumiller, well-known concert accompanist and pianist, has recently been made general musical director of WIBO.



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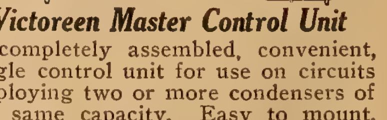

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Potentiometers, 200 and 400 ohms, each......... **1.50**

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BROKENSHIRE QUITS TO BUILD PROGRAMS

LEAVES WJZ TO START RADIO PRODUCTION WORK

Sees Present Day Announcer Handicapped—Forms Arrow Amusement Corporation to Do Bigger Things

NEW YORK.—Norman Brokenshire has resigned from the announcing profession at the height of his career at WJZ and has betaken himself to the development of an innovation in the field of commercial Radio broadcasting.

He has announced that he is about to sever his connections with the Radio Corporation of America as an employed announcer, because as such his scope of activities is necessarily limited. In telling of his decision to embark upon a decidedly new and original venture in broadcasting, Mr. Brokenshire made a number of pointed remarks. He said:

"The rules governing the present day announcer are a hindrance to his development in an art that is progressing daily by leaps and bounds."

He feels that the announcer role is becoming less and less important, and that the big presentations will soon be created, produced and managed by a specialist in this line.

Predicts Great Radio Production

Mr. Brokenshire visualizes a great future for broadcasting. He declares that broadcasting, as an art, must follow the footsteps of the two other great public amusements, the stage and the motion picture. He asserts that leading stations are leading the way in these radical changes today.

"By this," Mr. Brokenshire said when interviewed, "I mean that there must eventually be 'Radio Productions.' In the successful broadcasts of the future there will be involved time, patience, showmanship and the guiding hand of a producer who, through years of experience and immediate contact with Radio and the Radio audience, knows the possibilities and limitations of the microphone.

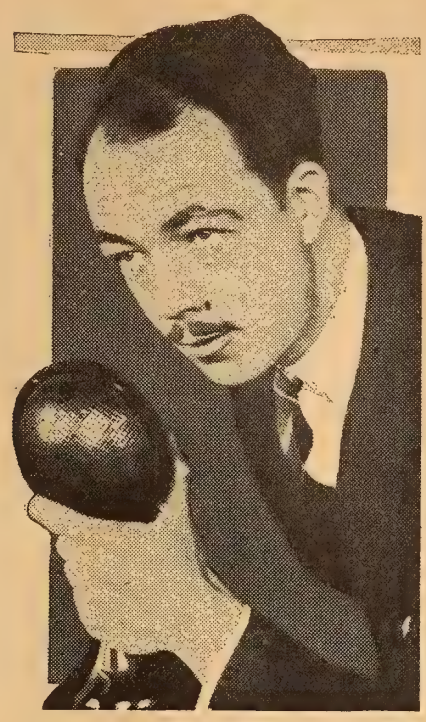
Assures Fans His Better Service

"In taking this step, I feel that I will be of more service to the Radio public by surrounding myself with well-known men in the theatrical and musical worlds and devoting my entire time to the creation of valuable Radio productions.

"It is not my intention to forsake the invisible audience that has shown such great appreciation for my endeavors, but rather to serve this audience better and in a much larger way. It is with regret that I leave the intimate everyday life of the idolized announcer, but with a compensating feeling that by this move I will do my share in the development of an art which in the future will undoubtedly be one of the greatest of world factors."

Mr. Brokenshire's producing company will be known as the Arrow Amusement corporation. A number of accounts are being given consideration.

FAMOUS ANNOUNCER STARTS ENTERPRISE



Norman Brokenshire

AROUND THE BROADCAST STUDIOS

KDKA Steps Out or the Light That Failed; WEAO's New Studio; Sopranos and Drapes; A Tube's Life at KNX.

By MIKE

WISH I could get the Editor to let me print the whole funny story sent out in the KDKA publicity describing their girlish transmitter all togged out in mosquito netting drapes. But no, "got no space," he says. Anyway here's part of it condensed:

"During the contralto solo Landon saw a happy white moth winging her carefree way into the power room door. 'Oh, see!' Her little eyes glittered as she sailed straight for the glowing oscillator. For a moment she fluttered, undecided where to light. Then she settled down to the variable tank condenser her little body aquiver with curiosity. Adventurously she approached the plates to explore their space when— Zowie! Flash! Cinders! A tiny wisp of smoke—broken transmission, distracted singer and agonized listeners! Alas! The Tragedy of a Bug; That's why KDKA boasts the best dressed transmitter in the world."

* * *

These university studios are stepping out from the cold classic walls. F'rinstance, WEAO of Ohio State has just opened a modish, sepia velveted studio in the smart Neil House in Columbus. Below the windows is a vista of the Scioto river and the new civic center development. "Service to all the people," is the watchword of Ohio State.

* * *

It's not the receiving end that mutilates the voice of the soprano for the meticulous listener, declares Frank Reichman, inventor of the Thorophone and Thorola. The trouble in the past has been in the overstuffed studio. Upholstered walls, floors and ceilings have killed the natural resonance to which one always is accustomed in hearing certain high-pitched voices and sounds. Adjustable drapes are preferable, says Mr. Reichman, so that the director who is an expert at appraising the quality of vibration, may deaden the echo to the correct degree of naturalness. He pointed to the violin as an instrument that remains unchanged in its general structure through the years. But the artists who use the violin are always finding new ways to get more out of it. He does not anticipate much change in the future receivers and loud speakers until there are improvements in the transmission.

* * *

KNX, the Los Angeles Evening Express station, bears the distinction of having established what is considered a world's record for the use of a No. 212-A tube in transmitting hours. This tube was used for 8,175 hours. Do your receiving tubes last that long?

NORTHWEST SHOW IS BAROMETER OF TRADE

Indications Point to Good Year for Radio Sales

MINNEAPOLIS.—The Northwest Radio show in the Kenwood armory here, September 27 to October 2, will serve as a barometer for midwestern Radio activities during the coming season in the opinion of Eastern Radio manufacturers, according to H. H. Cory, secretary of the Northwest Radio Trade association which is in charge of the show.

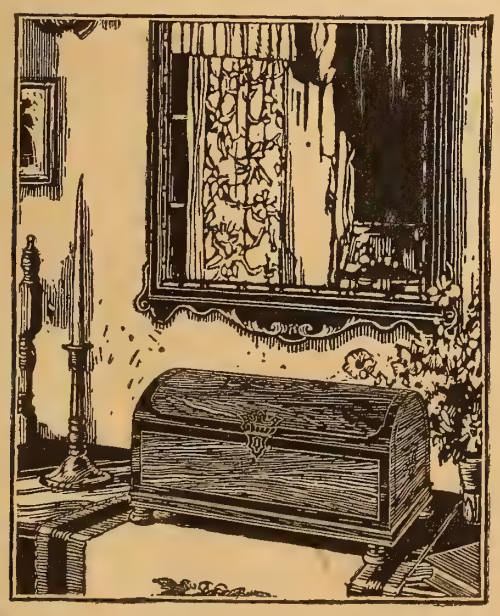
Coming two weeks after the New York fair and two weeks prior to the Chicago show, the Northwest Radio exposition is attracting nation-wide interest.

All indications, Mr. Cory said, point to a record-breaking year for the Radio industry in the Northwest.

Atlanta Will Hold Second Big Radio Show Oct. 18-23

ATLANTA, Ga.—Atlanta's great Radio electrical exposition, October 18-23, is already definitely assured double the number of exhibits displayed last year at what was considered the South's most successful show.

With two weeks remaining the huge civic auditorium armory is sold out to exhibitors, and the combined Radio and electrical bodies backing the enterprise are now devoting their efforts toward giving the public spectacular entertainment features, as well as the most brilliant and comprehensive symposium of modern appliances ever known in Dixie.



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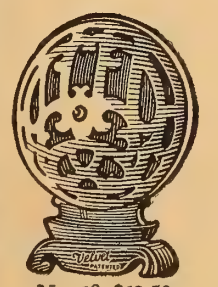

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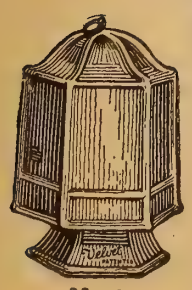
"The Chinese Cone-Flex"
Full Orchestral range—low bass of the cone—high notes of the horn.



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Those Interfering Stations

WE STARTED something when we said the talk about chaos was overrated; that a little something was being magnified into an omnipresent bugaboo. At the time the editorial was written we were right—almost right. Of course, there was interference between stations in some sections of the country. We did not mean that there was none. But—

With the range of all stations increasing nightly as a result of the colder weather provided by nature, the evil of interstation heterodyning and interference is approaching a very sorry state of affairs. Something must be done.

Congress has seen fit to leave Radio legislation in the lurch until the fall session. There will be much trouble from the "open door" license policy before the federal lawmakers get together on suitable remedial laws. What have we to look forward to?

There is one ray of sunshine. It is the recent joint meeting of the six leading associations of the industry, the National Association of Broadcasters, American Radio Relay League, Radio Manufacturers' association, Federated Radio Trade association, Radio Committee of the American Newspaper Publishers' association and the Associated Manufacturers of Electrical Supplies.

The combined strength and influence of the six important and powerful bodies has been pledged to keep the broadcast wave length free from interference. A committee of one representative from each body, and headed by Paul B. Klugh, has begun work with whatever weapons necessary to deal with such broadcasters as have inadvertently taken broadcast wave lengths already in use and caused interference with the programs of such stations as were operating with a government license prior to the breakdown of the licensing law.

There is ample law to deal with these miscreants, whether their interference be intentional or accidental. If accidental, one formal notice of such interference will cause their second offense to rate as "malicious." Malicious interference by any station is still considered as a violation of the law—what is left of the 1912 instrument—and is punishable by cancellation of license.

Radio Digest pledges its unbiased support to the elimination of interstation interference. Watch for a surprising announcement next issue. The public is to have a chance to help!

Well Worth Hearing

WONDERFUL programs and plans for fall broadcasting are budding forth. October sees the resumption of many proven features and the inauguration of others that have excellent possibilities. Worth while stations are catering to the public interest with the most valuable assortment of entertaining, educating and serviceable programs that broadcasting has ever known.

Atwater Kent full hours start. The Boston Symphony is on the air anew and with more concerts. Damrosch is to entertain millions. A hundred stations are adding special farm programs of the best kind, furnished by the department of agriculture. Football will soon be on the air with all its thrills.

Tell this to your ancient, Radio-skeptical friends. Let them know that they are missing. Invite them to your home and help them along the way to becoming a faithful member of our great family of broadcast listeners.

The Better Mouse Trap

A THIRD gold cup is awarded by Radio Digest. This time a representative of the farmer, from a small town but with a well-known station, is made the hero of the moment.

We are glad to see Earl E. May win the honor. We sincerely congratulate him. Last year Henry Field, from the same little loyal community of Shenandoah, Iowa, almost kept Graham McNamee from winning. This year Mr. Field shunned votes himself but cast his support to Mr. May. Henry Field's spirit is commendable.

The world has beaten a path to Shenandoah.

RADIO INDI-GEST

THE RADIO PROGRAM

By Joseph Payne, Jr.

8:00 pm. A piano solo by Dodge D. Blowout, playing "You May Not Like Our Kellys, But You'll Always Like Our Tires."

8:10 pm. A saxophone duet, by I. Chewem and G. U. M. Parker, playing "The Song of the Juicy Fruit," from Wrigley's musical comedy, "Peppermint Kisses."

8:20 pm. A piano duet by the Gold Dust Twins, playing the following selections from popular operas: "Old Dutch Cleanser," from Arbuckle Brothers' "Coffee Land," and "Yuban," from "Cleanser, Cleanser."

8:40 pm. The Kellog Quartette will sing two of Father John's latest song hits: "Little Flakes of Corn" and "Crumbled Leaves."

8:50 pm. Procter and Gamble, those two popular and "clean" singers will give "A Skin You Love to Touch," that famous old ballad by Woodbury.

9:00 pm. Al. Listerine's famous "Log Cabin Orchestra" will play two new fox trots, Swansdown's "Crust, Crust," and Liggett and Myers new camel walk, "I'd Walk a Mile," and will conclude with the popular waltz "Bon Ami."

9:20 pm. This will be the last number on our programme, and will be Heinze's famous 57-piece orchestra playing Heinze's "Varieties of 1926," and will encore with that famous march "Soup," by Campbell, Zip and Jello.

Quoth the RCA Publicity Man, in referring to the Radio movie of "The Dutchess of Buffalo," broadcast recently from WJZ:

"The story tells of Marian Duncan, a successful dancer who becomes the financee of a dashing Russian army officer. . . ."

Whereupon we turned to Mr. Webster and decided that the word he had intended to use was "financier."

Hoover Kayoes Radio

'Twas not a distant date, as I recall,
That the wise man shook his head
And quite solemnly said,
"That darn contraption will not work at all.
Just think of filling up the atmosphere
With sounds that never tire
Till they locate a wire
And then come in with music sweet and clear!"

But soon, you know, we got the Radio.
And after several trials
We need but twist the dials
To make the ether music come and go.
And now comes Herbie Hoover with a shout,
"There is chaos in the air,
We surely should despair
There ain't a way to keep the d—— stuff out."

THE NIGHT HERD

As you have probably guessed, the reason we printed the above in such small type was to keep you from reading it. However, if you have, then we retreat—the secret of the chaos is out. But just wait, the Editor of the great publication surrounding Radio Indi-Gest has tipped me off that the wave jumpers and newly licensed stations in a little while are going to look sick, roll their eyes to the whites, and turn over in their graves. The judgment day is coming!

WHAT? We Shall Strike at Once't!

Dear Indi: Why does Radio make some people so careless with the truth? A new feminine BCL was was telling me some DX tales. I asked her if she had any luck with Chicago last Monday night. She gave me seven Chicago calls "that came in just bee-autifully."

PUSHOMETER

The Reason

The reason I can't write poetry—
I've got seventeen dogs to raise;
I don't have time to be dreaming,
'Cause the pups are the latest craze.

The reason I can't write stories—
The wire-haired pups in the way;
And my! but they are the cutest
Little rough neck divils at play.

The reason I don't write music—
Is the pups make all the noise;
I can't even collect my thots
Nor ever get mental poise!

I'll steal just a minute for Indi—
A line to the Radio;
But now I must stop and get ready
Six pups for the next dog show.

RHEA SHELDON

Stop Press, Add Anagrams!

Dear Indi: George, the cheery commissary clerk, forgot something when he went a-journeying in the realm of Anagramnatizing in the past few issues of Radio Digest which regularly brightens my sick room.

Inasmuch as every page of Radio Digest teems with, and is engirdled by, valuable information and pleasure for readers, the anagram maker ought to find inevitably that Radio Digest yields, "Ideas do girt." Moreover, The Radio Digest becomes, "I do get this read," while Radio Indi-Gest transposes into my slogan, "'Do read it,' I sing."

J. E. R.

P. S. I might add that if I'm half asleep when the postman comes, I awaken promptly, aroused by interest. Then, no longer "Dosing, I read it" eagerly. J. E. R.

Indi wishes to add, in reply to J. E. R.'s question regarding the tresses of Lotta Harrauff, 1926 Queen of Radio, that the English equivalent, "lot o' hair off," is not true, but the German translation, "lot o' Harr (hair) auff (upon)" applies more faithfully to the lady's cranium.

FRANQUE'S FILOSOFEE

A bad station always returns. ***INDI***

The "Circuit" Rider

Condensed

BY DIELECTRIC

Now that the cup trials are over and the honor (or Onus) of maintaining a nearly 100 per cent perfection in announcing has fallen from the shoulders of Graham, we may proceed to groom our favorites for the next heat, next year. To that end I'm going to put in the race a pair of announcers known pretty much everywhere. They should receive careful consideration by voters, not alone for the brevity of their announcements, but for a refreshing change of key from the much used middle register. The Happiness Boys, Billy Jones and Ernest Hare, should have a chance at holding the cup, and are my favorites.

We are getting back to the nights of classical music performances, now a delight to many who at first scorned to listen to this "high brow" entertainment. Incidentally, no past season will compare with this one in wealth of offering of that character, and the Saturday evenings, with their paucity of varied programs to date, will henceforth be important dates to mark up for future listening. While near the subject, I wish to compliment once more the work of the Formica orchestra, broadcasting through Station WLW, Cincinnati, whose evening of semi-classical music was entirely enjoyable as this reviewer listened to it early last month.

Studio recitals have the usual features to present in the majority of instances, which means talent of more or less mediocrity, yet at times we hear a voice of delightful quality or instrumentalist with marked ability and go after more of them. Station WTAM, in Cleveland, had the good fortune to bring to their studio recital one evening a baritone with a robust voice, if poorly placed, whose rendition of a familiar song, "Swing Low," had much of intelligent expression and commendable phrasing. The familiar songs, particularly when not among the classics, require more than slight attention from the singer to make them free of monotony.

A feature coming from the City of Chicago, via the broadcasting apparatus of Station WLS, is the Silvertone concert employing the excellent service of the Chicago little symphony orchestra. This orchestra is winning a well-deserved popularity. Its playing is spirited and the numbers chosen are from the lighter works with their broad appeal.

From the shores of the Atlantic where the "World's Play Ground" is said to be by the announcers of Station WPG, Atlantic City, there came a concert of real worth recently. Two artists of high attainment and widely known among opera and concert audiences, Julia Claussen and Henri Scott, presented a joint recital before a responsive visible audience and a delighted Radio audience. Their numbers were all engaging and delivered as such artists are capable of doing. Among the songs were two especially interesting: "Danny Deever"—so closely linked in memory with that great American baritone, David Bispham—sung by Mr. Scott, and the famous aria for contralto from the opera "Samson and Dalilah," exquisitely rendered by Miss Claussen.

If you missed hearing from Station KYW, Chicago, an entertainment of instrumental and vocal numbers, which included those to be mentioned, your loss was considerable. Violin selections came through with good tone and execution, "Ave Maria," from the opera of Othello and sung by a soprano with opulence of tone, combined with a trombone solo of "The Lost Chord," made one wish the classical hour might have extended through the balance of the evening. What more can be said?

SHORT WAVES

By Marcella

(Continued from page 2)

leaving KYW and barnstorming a bit, Lee has signed exclusively with the Stewart-Warner Air theater, WBBM. There you will hear him every night.

Eddie Borroff announces the KYW midnight program.

Ford and Glenn are still at WLS. However, they spend a great deal of their time making appearances at Illinois theaters.

Jack Little's itinerary is not definite, at least not so definite that I can predict it before going to press and still have it accurate as you read the item. He bid Chicago farewell September 16 and then took to the road for the various studios. However, before departing he promised to write me more this winter. Correction; he was not born in Waterloo, Iowa, but removed there from England with his parents when but a little tot, and I might add, "which he still is."

* *

"Sally": More about the Coon Sanders outfit? They are back on the air after their summer tour. Started September 25 at the Blackhawk cafe, Chicago, where WGN is picking up their music. Your poetical form of questioning, Sally, is quite a relief during a drab day's work.

* *

News Notes: "Our Sallie" Menkes, pioneer Chicago Radio artist and staff accompanist for the Edison studio of KYW, is winding up a vacation automobile tour 'way down south. Along the way, of course, she has stopped at several stations, "just to see how they are doing it." Her southernmost point was New Orleans, which she learned how to mispronounce correctly—N'aw-lins.

And Kay Ronayne, WBBM blues singer, bought an automobile last Friday the thirteenth. Her record since includes three collisions, one stolen motometer and three smashed fenders. Optimistically viewing the incidents, she claims that now she can sing "bluer" than ever.

* *

Births: October 2 marks the fifteenth-week birthday for Jack Nelson, Jr., future director-announcer of Loyal Order of Moose Station WJJD. Madelyn, charming wife of Jack Senior, is now kept busy singing all of hubby's compositions for the critical benefit of Junior.

* *

A. M., V. M. and "Elizabeth Ann": Earl Haubrich, known as "Chicago's Radio Baritone," represents the Ted Browne Music company of Chicago, and therefore you will often find him in the company of Eddie Stewart, Lew Farris and Mac Ohman. Sad but true, Mrs. Haubrich accompanies Earl. His looks, age, number of children if any, and other points of information will be answered as soon as I can corner him.

George Getsey, the popular tenor you have heard at the Woodmen of the World station, travels for Leo Feist Music Publishers, Inc., Chicago. He is a very likeable chap with hair combed back slick, a corpulent tendency, and the subdued air of a married man, which he isn't.

* *

Marriages: Abigail Roach to Glenn Rice, assistant manager of KNX, Los Angeles Evening Express station. Mr. Rice does the evening announcing from KNX under the title of G. R.

* *

"WHT Admirer": No, Al and Jean are not related. Stuart Dawson, of the WHT announcing corps, is the affianced of Helen Rauh, also with WHT. Don't think Al or Pat go to any church, although both have a very wholesome respect for right living. What difference does it make what church they attend, if any? Why not be broad-minded?

* *

"Indiana": Yes, Louis John Johnen of Crosley WLW is still single—and, in fact, the only "eligible" Cincinnati announcer. Age? I don't know for sure, but would judge him to be between 30 and 35. His looks? You'd fall in love with him. Don't know where he was born, but I presume Cincinnati. He is a Phi Beta Kappa, graduate of U. of Cincy and the Cincinnati Conservatory of Music. Stands 5 feet 9 with a good carriage and square shoulders, weighs 170 pounds, has brown eyes and light brown hair.

* *

"Blue Eyes": Well, I should say you have a good chance with Ralph H. Patt, Jr., of WDAF, for he has just turned 19 and hasn't thought seriously about matrimony yet. To be exact, he was born July 29, 1907, at Kansas City, Mo. He's a tall stripling, six feet in altitude, and weighs 135 pounds. Has very dark skin, brown eyes, and black, straight hair. No, he doesn't play the piano or sing, but he does do the markets and "School of the Air" program for the Kansas City Star outfit when he is not engaged in regular newspaper work.

* *

Eveready Hour listeners are missing Wilfred Glenn now, for he is in London, England, at the fashionable Princess theater for a six weeks' engagement. Other members of the party with the Eveready basso are Franklin Bauer, Lewis James, Elliott Shaw and Eddie Smalley—all well known to listeners. Glenn and the party will return soon with an entirely new repertoire of English music hall ballads.

* *

Mrs. Gertrude S., Sunbury, Pa., I think if you will dial around a bit on the New York stations you will find your favorite announcer, Mr. Lewis Reid, formerly of WJZ. Herbert Glover says he thinks Mr. Reid is with WFBH, at the Hotel Majestic and sends a picture of the handsome announcer with his young daughter at the microphone. A biographical sketch states that he was born in Brooklyn, 1897, and gaduated from New York University in 1920; was formerly editor of Theater Magazine, was founder of the first school of playwriting in America and studied voice culture under Mme. Von Fielitzsch. He spent two years on the stage in musical comedy such as "Elsie Janis and Her Gang." During the World war he played trombone in 23rd Regiment Band of New York. Was also in movies. Likes Radio best. He stands 5 feet, 11 inches, weighs 160 pounds, has brown eyes, brown hair, a wife and two children. And the picture shows him with horns—(with glasses in them.).

* *

"Jealous": The lady announcer at KMA is Jessie Shohonka Young, a black-haired Bohemian girl with rosy cheeks, blue eyes, a sweet disposition and a splendid voice with which she often sings Bohemian songs. She also directs programs, but unfortunately—for the invisible romancers—she is married.

* *

Roy: Sorry, but Billy Allan Huff, KYW pianist and songstress, is married. It happened long ago. Indeed, she has a child eight years old, but she married young. Billy is a petite, pretty, young blonde.

* *

Surprise soon! Watch Marcella's future efforts for the big event. No, I won't tell you what it is. Just have to wait.

* *

What deep secret would you like to know about your favorite broadcast star? Drop me a note, girls and boys, and I'll do my best to answer here. MARCELLA.

YES, THIS IS LOUISE ANNOUNCING

Farmers, elevator men, millers and others interested in the grain market get their daily thrill when the pleasant voice of Miss Louise Avey comes on the air from KFH, the Hotel Lassen at Wichita, Kan. Beginning with the opening cables of the Liverpool market at 8:45 a. m. and then every hour until 2:00 p. m., Louise gives one of the best liked market broadcasts in the West. The reports which KFH receives indicate that she has won a place in listeners' hearts that any other announcer would have a hard time in filling.

WOMAN'S PROGRAM INDEX

Monday

Eastern	Central	Mountain	Pacific
9:30 a.m.	8:30	7:30	6:30

WWJ (352.7m-850kc), Tonight's dinner.

10:50	9:50	8:50	7:50

WMC (499.7m-600kc), Home economics discussion, Miss Kitty.

11:35	10:35	9:35	8:35

KYW (535.4m-560kc), Table talk.

12 n.	11	10	9

WQJ (447.5m-670kc), Home economics.
WMAQ (447.5m-670kc), Home economics. Oct. 4, "Gardening Fad," "Chicago's Day Nurseries."
WHT (399.8m-750kc), Women's club, Jean Sargent.

12:15 p.m.	11:15	10:15	9:15

KMOX (280.2m-1070kc), Time saving cooking.

1	12 n.	11	10

KGW (491.5m-610kc), Household helps.
WSOE (245.8m-1220kc), Ladies' hour.

1:15	12:15	11:15	10:15

WGN (302.8m-990kc), Home Management period.

1:20	12:20	11:20	10:20

WGBF (236.1m-1270kc), Garden talk.

2:15	1:15	12:15	11:15

KOIL (305.9m-980kc), Shopper's aid.

2:30	1:30	12:30	11:30

KFNF (461.3m-650kc), Mother's hour.

2:45	1:45	12:45	11:45

WQJ (447.5m-670kc), Oct. 4, "Menus for Two-Year-Old Children," "Health Habits."

3	2	1	12 n.

WCCO (416.4m-720kc), Women's hour.
WSOE (246m-1220kc), Cooking chats.
WHB (365.6m-820kc), Ladies' hour.
WIP (508.2m-500kc), Market hints for housewives.
WJZ (454.3m-660kc), "Your Daily Menu."

3:45	2:45	1:45	12:45

KFNF (461.3m-650kc), Ladies' hour.

4	3	2	1

WOC (483.6m-620kc), Home management schedule, Aunt Jane.

4:30	3:30	2:30	1:30

KMOX (280.2m-1070kc), Housewives' hour.

5	4	3	2

KMOX (280.2m-1070kc), Housewives' hour.

5:15	4:15	3:15	2:15

KYW (535.4m-560kc), Meat talk, John Cutting.

Tuesday

Eastern	Central	Mountain	Pacific
9:30 a.m.	8:30	7:30	6:30

WWJ (352.7m-850kc), Tonight's dinner.

10	9	8	7

KDKA (309.m-970kc), Domestic Science. Arts for the Housewife.
WMCA (340.7m-880kc), Home Makers' club.
WOI (270m-1110kc), Home Makers' hour.

11:35	10:35	9:35	8:35

KYW (535.4m-560kc), Table talk.

12 n.	11	10	9

WQJ (446.5m-670kc), Home economics. Oct. 5, "Prevention of Contagious Disease Among Children," "Swimming."

11	10	9	8

WHT (399.8m-750kc), Women's club, Jean Sargent.
WMAQ (447.5m-670kc), Home economics.

12:15	11:15	10:15	9:15

KMOX (280.2m-1070kc), Fashion talk.

1 p.m.	12 n.	11	10

KGW (491.5m-610kc), Household helps, shopping guide.
WGBF (236.1m-1270kc), Garden talk.

Eastern	Central	Mountain	Pacific
1:45	12:45	11:45	10:45

WQJ (447.5m-670kc), Sept. 21, "The Good Health Habit," "Quickly Served Breakfasts."
WGBF (236.1m-1270kc), Garden talk.

2:15	1:15	12:15	11:15

KOIL (305.9m-980kc), Shopper's aid.

2:30	1:30	12:30	11:30

KFNF (461.3m-650kc), Half hour on cooking.

2:45	1:45	12:45	11:45

WQJ (447.5m-670kc), Oct. 5, "More Meals That Have to Wait," "Harmony and Health," "School Luncheons."

3	2	1	12 n.

WIP (508.2m-590kc), Menu talk.
WJZ (454.3m-660kc), "Your Daily Menu," Mrs. J. Heath.

3:15	2:15	1:15	12:15

WHO (526m-570kc), Recipes, household hints.

3:45	2:45	1:45	12:45

KFNF (461.3m-650kc), Ladies' hour.

4	3	2	1

WOC (483.6m-620kc), Home management schedule.

4:30	3:30	2:30	1:30

WLS (344.6m-870kc), Home Makers.

5	4	3	2

KMOX (280.2m-1070kc), Housewives' hour.

5:30	4:30	3:30	2:30

KOA (322.4m-930kc), Housewives' matinee.

6	5	4	3

KOA (322.4m-930kc), Culinary hints, Clara Hoover. Fashion hints.

6:45	5:45	4:45	3:45

WPG (299.8m-1000kc), Fashion flashes.

Wednesday

Eastern	Central	Mountain	Pacific
9:30	8:30	7:30	6:30

WWJ (352.7m-850kc), Tonight's dinner.

11	10	9	8

WEAO (293.9m-1020kc), Housekeepers' half hour.

11:30	10:30	9:30	8:30

WGN (302.8m-990kc), Household management period.

11:35	10:35	9:35	8:35

KYW (535.4m-560kc), Table talk.

12 n.	11	10	9

WQJ (447.5m-670kc), Home economics. Oct. 6, "Blood Pressure and Hardened Arteries."
WHT (399.8m-750kc), Women's club, Jean Sargent.
WMAQ (447.5m-670kc), Home economics.

12:15 p.m.	11:15	10:15	9:15

KMOX (280.2m-1070kc), Cookery, Gladys Kimbrough.

1	12 n.	11	10

KGW (491.5m-610kc), Household helps, shopping guide.

1:20	12:20	11:20	10:20

WGBF (236.1m-1270kc), Garden talk.

2:15	1:15	12:15	11:15

KOIL (305.9m-980kc), Shopper's aid.

2:30	1:30	12:30	11:30

KFNF (461.3m-650kc), Half hour on cooking.

2:45	1:45	12:45	11:45

WQJ (447.5m-670kc), Oct. 6, "Can You Make Good Croquettes?" "How to Obtain a Youthful Figure," "Correct Pronunciation."

3	2	1	12 n.

WCCO (416.4m-720kc), Woman's hour.
WHB (365.6m-820kc), Ladies' hour.
WJZ (454.3m-660kc), "Your Daily Menu."

3:45	2:45	1:45	12:45

KFNF (461.3m-650kc), Ladies' hour.

Eastern	Central	Mountain	Pacific
4:30	3:30	2:30	1:30

WLW (422.3m-710kc), Cooking school.

4	3	2	1

WOC (483.6m-620kc), Home management schedule, Aunt Jane.

4:30	3:30	2:30	1:30

KFNF (461.3m-650kc), Flower talk.
WLS (344.6m-870kc), Home Makers' hour.

5	4	3	2

KMOX (280.2m-1070kc), Housewives' hour.

6	5	4	3

KGO (361.2m-830kc), "Hints for Housekeeper."

7	6	5	4

KLX (508.2m-590kc), Woman's hour.
KMA (461.3m-650kc), Domestic science talk.

Thursday

Eastern	Central	Mountain	Pacific
9:30 a.m	8:30	7:30	6:30

WWJ (352.7m-850kc), Tonight's dinner.

10	9	8	7

WEAF (491.5m-610kc), Talks, cookery lecture.

10:50	9:50	8:50	7:50

WMC (499.7m-600kc), Home economics discussion, Miss Kitty.

11	10	9	8

WEAO (293.9m-1020kc), Housekeepers' half hour.
WEAR (389.4m-770kc), Home service talk.
WMCA (340.7m-880kc), Food bureau program.
WOI (270m-1110kc), Home Makers' hour.

11:30	10:30	9:30	8:30

WGN (302.8m-990kc), Home management period.

11:35	10:35	9:35	8:35

KYW (535.4m-560kc), Table talks.

11:45	10:45	9:45	8:45

WOI (270.1m-1110kc), Home Makers' period.

12 n.	11	10	9

WQJ (447.5m-670kc), Oct. 7, "Inexpensive Dishes That Appeal to All," "Your Home."
WHT (399.4m-750kc), Women's club, Jean Sargent.
WMAQ (447.5m-670kc), Home economics.

12:15	11:15	10:15	9:15

KMOX (280.2m-1070kc), Recipes.

1	12 n.	11	10

KGW (491.5m-610kc), Household helps.

1:20	12:20	11:20	10:20

WGBF (236.1m-1270kc), Garden talk.

2:15	1:15	12:15	11:15

KOIL (305.9m-980kc), Shopper's aid.

2:30	1:30	12:30	11:30

KFNF (461.3m-650kc), Half hour on cooking.

2:45	1:45	12:45	11:45

WQJ (447.5m-670kc), Oct. 7, "A Paper Wedding Anniversary."

3	2	1	12 n.

WJZ (454.3m-660kc), Your Daily Menu.

3:45	2:45	1:45	12:45

KFNF (461.3m-650kc), Ladies' hour.

4	3	2	1

WOC (483.6m-620kc), Home management schedule, Aunt Jane.

5	4	3	2

KMA (461.3m-650kc), Woman's hour.
KMOX (280.2m-1070kc), Housewives' hour.

5:30	4:30	3:30	2:30

KOA (322.4m-930kc), Housewives' matinee.
WCCO (416.4m-720kc), Women's club program.

6	5	4	3

KOA (322.4m-930kc), Culinary hints, Clara Hoover.

9	8	7	6

KUOA (299.8m-100kc), Oct. 7, "Personality in Dress," Oct. 14, "The Adolescent Boy and Girl in the Home," "The Great American Ailment."

Friday

Eastern	Central	Mountain	Pacific
9:30 a.m.	8:30	7:30	6:30

WWJ (352.7m-850kc), Tonight's dinner.

10	9	8	7

KDKA (309.1m-970kc), Domestic science and arts for the housewife.

11	10	9	8

WEAO (293.9m-1020kc), Housekeepers' half hour.

11:35	10:35	9:35	8:35

KYW (535.4m-560kc), Table talk.

12 n.	11	10	9

WHT (399.8m-750kc), Women's hour, Jean Sargent.
WMAQ (447.5m-670kc), Home economics.
WQJ (447.5m-670kc), Sunday dinner.

11:15	10:15	9:15	8:15

KYW (535.4m-560kc), Meat talk.
WMCA (340.7m-880kc), Food bureau.

11:30	10:30	9:30	8:30

WGN (302.8m-990kc), Home management period.

12:40	11:40	10:40	9:40

WTAG (545-1m-550kc), Talk to housewives.

12:15 p.m.	11:15	10:15	9:15

KMOX (280.2m-1070kc), Household hints.

1	12 n.	11	10

KGW (491.5m-610kc), Household helps.

1:45	12:45	11:45	10:45

WOAW (526m-570kc), Sunshine Sunday dinner menu.

2:15	1:15	12:15	11:15

KOIL (305.9m-980kc), Shopper's aid.

2:30	1:30	12:30	11:30

KFNF (461.3m-650kc), Half hour on cooking.

2:45	1:45	12:45	11:45

WQJ (447.5m-670kc), Oct. 1, "Corns—The Cause and Relief," "The Corset for the Discriminating Woman." Oct. 8, "Vegetable Casserole Dishes," "Bunions," home economics.

3	2	1	12 n.

WHB (365.6m-820kc), Ladies' hour.
WJZ (454.3m-660kc), "Your Daily Menu," Mrs. J. Heath.

3:05	2:05	1:05	12:05

WCCO (416.4m-720kc), Woman's hour.

3:45	2:45	1:45	12:45

KFNF (461.3m-650kc), Ladies' hour.

4	3	2	1

KYW (535.4m-560kc), Woman's hour.
WOC (483.6m-620kc), Home management, Aunt Jane.

4:30	3:30	2:30	1:30

WLS (344.6m-870kc), Home Makers' hour.

5:30	4:30	3:30	2:30

KOA (322.4m-930kc), Housewives' matinee.

6	5	4	3

KOA (322.4m-930kc), Culinary hints, fashion review.

Saturday

Eastern	Central	Mountain	Pacific
9:30 a.m.	8:30	7:30	6:30

WWJ (352.7m-850kc), Tonight's dinner.

11:35	10:35	9:35	8:35

KYW (535.4m-560kc), Table talk.

11	10	9	8

WHT (399.8m-750kc), Women's club, Jean Sargent.
WMAQ (447.5m-670kc), Home economics.
WQJ (447.5m-670kc), Home economics program, "Salads."

11:30	10:30	9:30	8:30

WGN (302.8m-990kc), Home management period.

2:30	1:30	12:30	11:30

KFNF (461.3m-650kc), Half hour on cooking.

4	3	2	1

KFNF (461.3m-650kc), Ladies' hour.

ANNA CASE, ALBERT SPALDING BRO

HIGH LIGHTS OF THE AIR

FOOTBALL opens again this year for the Radio fans. Not only will the big New York and Chicago stations broadcast famous games but college stations will broadcast home games. In addition to this all stations connected with newspapers which are members of the Associated Press will give special football returns. Well known sport announcers again preside over the broadcasting.

This month Radio programs resume their regular winter features. Listeners to the Sunday Evening club programs through KYW will tune in Sunday, October 3, for the opening meeting of this club. Fans who enjoyed the classical concerts sponsored by Atwater Kent last year will also tune in this same evening to the WEAF chain. Anna Case, soprano of the Metropolitan opera, and Albert Spalding, concert violinist, will give the first concert of the season.

Who does not remember Clara Kurtz and her Chocolate Cake-Eater, popular last year at KOIL, Council Bluffs? They are back on the air with new ideas and new stunts and if you did not laugh at them last year, you will this.

WLS has a new harmony team and this time the team is composed of two pretty girls. In fact, one girl is so pretty she made our front cover last week. Juanita Rae and Harriet Lee are the names of the pair, but they will be known as Rae and Lee.

Tuesday, October 5, is the first anniversary of WSM and the Solemn Old Judge himself, who is in charge of this station, plans a regular gala evening with special announcing, music and all the rest.

"Give Me Life or Give Me Death!" Tune in for WRVA, Richmond, Wednesday, October 6, and see whether the organ recital scheduled for this evening at 9:30 p. m. makes you think of this famous saying. If it does not it should because this recital will be broadcast from the famous St. John's Episcopal church where Patrick Henry made this famous speech.

The Veiled Prophets' ball, an annual party famous in St. Louis for its mirth and fun and which resembles to some extent the Mardi Gras of New Orleans, goes on the air for the third year from KMOX, St. Louis. Last year and the year before the broadcasting was done by KSD.

RIDING the ether track this tra
sound of the wheels on this
steam in the throttle. The o
is the smoke. These Pennsylvania
on from 8 to 9 p. m., Eastern time,
WGY, and WRC have been unde
Brokenshire. He is shown admit
probably Eddie Smalle, Wilfred
artists aboard. To the left is a re
locomotive from Glendive, Montan
from WCCO. His name is Howa
that people often take him for Jo
is not a passenger on either one o
on the wave length of KFH, Wi
her sweet co

Friday, October 1

Headliners Today

Eastern	Central	Mountain	Pacific
8 p.m.	7	6	5

KDKA (309.1m-970kc), Teaberry time.

WQJ (447.5m-670kc), Arends trio.

8:15	7:15	6:15	5:15

WGY (379.5m-790kc), Georgia Boy minstrels.

9	8	7	6

KFDM (315.6m-950kc), Band concert.

WMAQ (447.5m-670kc), Musical potpourri.

9:30	8:30	7:30	6:30

WRVA (256m-1170kc), Edgeworth party night.

10:10	9:10	8:10	7:10

KTHS (374.8m-800kc) Famous classics.

11:30	10:30	9:30	8:30

WSM (282.8m-1060kc), Pipe organ concert.

1 p.m.	12 n.	11	10

KFI (467m-642kc), Ballad hour.

Friday, silent night for: CFCA, CKNC, KFNF, KLDS, KPRC, KPSN, KUOA, KWWG, PWX, WBBR, WCAD, WCBD, WFI, WGBS, WIP, WJAZ, WKRC, WLIT, WLW, WLWL, WREO, WSAI, WSMB, WSUI, WTAM.

Eastern Time Stations

CKNC, Toronto, Can. (357m-840kc), 8 p. m., Charlews E. Bodley and his orchestra; James L. Dodington, tenor.

KDKA, Pittsburgh, Pa. (309.1m-970kc), 6:15 p. m., dinner concert; 8, Teaberry time; 9, concert; 10:30, Art Giles and his Everglade orchestra.

WAAM, Newark, N. J. (263m-1140kc), 6 p. m., Howard Humphrey's orchestra; 8, Tappin's Jewels; 9, organ recital; 9:30, Chamber of Commerce; 11, Four Towers orchestra.

WAHG, Richmond, Hill, N. Y. (315.6m-950kc), 7:30 p. m., studio program; 8, Janet Bush-Hecht's concert; mezzo contralto, violin, cello, piano solos; 9, The Gondoliers; 9:30, Gaston's society orchestra; 10:02, Gaston's society orchestra.

WBAL, Baltimore, Md. (246m-1220kc), 6:30-7:30 p. m., dinner orchestra; 7:30-8, Jubilee singers; 8-9, musical program; Virginia Winstead Fox, soprano; Melva Forsyth, contralto; Evelyn Upp, violinist; 9-10, Wbal ensemble.

WBZ, Springfield, Mass. (333.1m-900kc), 6:30 p. m., McEnelly's Victor Recording orchestra; 7:30, band concerts; 8:30 program, Edward Gehrman; 9:15, Dancing Deny McCarthy and his Palace Four; 9:45, Mildred Chapin, pianist.

WCAE, Pittsburgh, Pa. (461.3m-650kc), 7:50 p. m., sacred music; 8:30, Burt McMurtrie, director; Mrs. Max J. Spoon, contralto; 9, WEAF; 9:30, negro spirituals; 10, WEAF.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30 p. m., Snellenburg instrumental trio; 8, Barry O'Moore, Irish tenor; 8:30, recital; 8:45, Miss Bambina, piano accordion; 9, Regina Crooners; 9:15, Sam Gold, "murmuring baritone"; 9:45, Archie Lloyd, songs; 10, Myers' musical architects.

WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., dinner concert, Goldkette ensemble; 8-9, studio program; 10, dance music.

WDBO, Winter Park, Fla. (239.9m-1200kc), 8:10 p. m., musical program; 9, Sanlando popular program.

WEAF, New York, N. Y. (491.5m-610kc), 4-12 midnight, Hazel Dudley, soprano; Esther Ostroff, pianist; William Lawlor, baritone; William H. Wilsen and his orchestra; Happiness Boys; Ethel Pearlman, pianist; Jacob Schwarzdorf, pianist; Claude Reese, tenor; La France orchestra; Whittall Anglo-Persians; Rolfe's Palais D'Or orchestra.

WEEI, Boston, Mass. (348.6m-860kc), 7:30 p. m., Hiram and the Dairy Maids; 8, musicale; 8:30, Neapolitan girls quintet; 9-11, WEAF.

WEMC, Berrien Springs, Mich. (315.6m-950kc), 9 p. m., old time hymns; Rose Hyatt, soprano; Mabel Butterfield, reader.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:45 p. m., Adelphia Roof Garden dance orchestra.

WGBS, New York, N. Y. (315.6m-950kc), 6:30 p. m., Jule Anzell's orchestra; 7:10, music.

WGHB, Clearwater, Fla. (266m-1130kc), 8:30-10 p. m., pipe organ recital; Mrs. Ethel Weber, soprano; Maude Sheridan, contralto.

WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert; 7:25, Hotel Tuller music; 10-11, entertainers; 11-12, Melody Makers.

WGR, Buffalo, N. Y. (319m-940kc), 9 p. m., WEAF; 9:30, Billy McKay, Buffalo's Harry Lauder; 10-10:30, WEAF; 11-1 a. m., Lopez orchestra.

WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., dinner program; 7:25, Edward Rice, violinist; 7:45-8:15, Music study series; Ethel Osterhout, pianist; 8:15, Georgia Boy Minstrels; 10:30, musical program.

WHN, New York, N. Y. (361.2m-830kc), 8 p. m., Treasureland Home Owners ensemble; 9, Loew's Coney Island theatre orchestra; 9:30, Coney Island Stadium bouts; 11, Strand Roof orchestra; 11:30, Roseland dance orchestra; 12 p. m., Silver Slipper orchestra.

WJAR, Providence, R. I. (485m-618kc), 8 p. m., musicale; 10, WEAF.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Detroit Trade expansion program; 9, studio program.

WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Pennsylvania hotel grill orchestra; 8, Sundial Shoe serenaders; Bonnie Laddies; 9, Breyer Ice Cream hour.

WLIT, Philadelphia, Pa. (394.5m-760kc), 7:30 p. m., Dream Daddy's bedtime stories; 8, WEAF.

WMAK, Buffalo, N. Y. (266m-1130kc), 7:45 p. m., WGY players.

WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Hotel McAlpin string ensemble; 6:30, Hotel McAlpin orchestra; 7:30, Monte Carlo by the Sea orchestra; 8:45, Power Syncopator; 8:50, Broadway association; 9:30, Klein's Serenading Shoemakers.

WNYC, New York, N. Y. (526m-570kc), 6 p. m., piano selections; 6:30, French lessons; 8:50, "Know Your City," John Cuff.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Hotel Sylvania dance orchestra; 8:30, WOO tourists; 9:30, Fox theater program; 10, Sesqui Centennial concert; 10:30, Sam Brown's orchestra.

WOR, Newark, N. J. (405.2m-740kc), 6:35 p. m., Hotel Bretton Hall string quartet; 7:30, Crystal Palace orchestra; 8:30, Wurlitzer organ recital; 10:15, Ritz Carlton dance orchestra.

WRC, Washington, D. C. (468.5m-640kc), 7 p. m., Mozart string quintet; 8-11, WEAF.

WRVA, Richmond, Va. (256.3m-1170kc), 9:30 p. m., Edgeworth party night, dance program; 12:30, "Carry Me Back to Old Virginny."

WTAG, Worcester, Mass. (545.1m-550kc), 8:30 p. m., to be announced; 10, WEAF.

WTAM, Cleveland, Ohio (389.4m-770kc), 8 p. m., studio program; 9, WEAF; 9:30, quartet; 10:30, studio program; 11, Jack Horwitz Collegian serenaders.

WTIC, Hartford, Conn. (475.9m-630kc), 6:30 p. m., dinner concert; 7:15, piano selections, Laura Gaudet; 7:30, Austin organ recital; 8, Garber Brothers hour; Gibbs hour.

WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 8, News orchestra, soloists; 9, WEAF; 9:30, dance program.

Central Time Stations

KFAB, Lincoln, Neb. (340.7m-880kc), 5:30-6:30 p. m., Little symphony orchestry; 8:30-10:30, Buick Master Six orchestra; Lincoln Typographical Union program; Carl Schaefer and artists.

KFDM, Beaumont, Texas (315.6m-950kc), 8-10 p. m., Refinery band.

KFNF, Shenandoah, Iowa (461.3m-650kc), 7 p. m., Sunday school lesson.

KMA, Shenandoah, Iowa (461m-650kc), 9-11 p. m., Ruby trio.

KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., dinner time music; 7, Buster Brown hour; 8, Colonel 6121; Bill Snyder, accordionist; 9, Do Re Mi Double quartet; 9:30, Scotch program, Caledonian society; 10, music lovers' hour.

KOIL, Council Bluffs, Iowa (305.9m-980kc), 6:03 p. m., Mona Motor Oil entertainers; 7:30, Dorothy Steinbaugh; 8, Winter Garden farms; 8:30, Jack and Jill.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10-10 p. m., famous classics, New Arlington hotel ensemble; 10-10:30, special attractions.

KWWG, Brownsville, Texas (278m-1080kc), 8:30-8:45 p. m., Mrs. F. B. Ray, soprano; 8:45-9, Louis Bartlette, Jr., pianist; 9-9:15, Margaret Cockran, violinist; 9:15-9:30, George Desha, baritone; 9:30-9:45, Jose Romero Gilberto Guerra, tenor; 12:01-1, novelty and jazz.

KYW, Chicago, Ill. (535.4m-560kc), 5:30 p. m., dinner concert; 6, Family hour; 7-9:30, program; 11, Congress Carnival.

WBAP, Fort Worth, Texas (475.9m-630kc), 7:30-8:30 p. m., Panther Hawaiian trio; 9:30-9:40, talk; 9:40-11, Aylene Patterson Duff, contralto; 11-12, Will Foster, organist.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6:15 p. m., dinner concert; 8, Nash program; 9, WEAF; 10:05, Emmet Long's Nankin cafe orchestra; Selma Erickson, soprano.

WCFL, Chicago, Ill. (491.5m-610kc), 6:30-7:30 p. m., Florentine string trio; 7:30-8:30, Clarence Theders, baritone; Vella Cook, contralto; 8:30-10, Joe Warner, gloom chaser; Cook Sisters, harmony songsters; 10-1 a. m., Alamo dance orchestra, entertainers.

WCOA, Pensacola, Fla. (222m-1350kc), 7-8:30 p. m., Saenger theater orchestra; Sid Nichols, pianist; St. Michael's church choir; Michael Di Lustro, tenor.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., school of the air; 8-8:30, WEAF; 8:30-9, varied musical program; 9-9:30, WEAF; 11:45-1, Nighthawk frolic.

WFAA, Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m., Mrs. Billie Reed, Jr., pianist; 8:30-9:30, service, Temple Emanu-El.

WGBF, Evansville, Ind. (236m-1270kc), 7 p. m., Lincoln and Ford orchestra; 8, auto tour; 9, studio program.

WGN, Chicago, Ill. (302.8m-990kc), 6:45-7 p. m., request program, Drake concert ensemble, string quintet; 7:05-7:15, Old Fashioned Almanack; 7:15-7:50, Paul Ash; 8-9, musical program; 9-9:30, WEAF; 9:30-10, Phantom violin; 10-10:10, Sam 'n' Henry; 10:10-10:20, Music box; 10:30-10:40, Leon Lichtenfeld, cellist; Herbert Johnson, pianist; 10:40-11, Correll and Gosden.

WHAD, Milwaukee, Wis. (275m-1090kc), 6:10 p. m., Wisconsin theater organ recital, Arthur Richter; 8:30, Marquette University studio program.

WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., concert, Southern Baptist theological seminary.

WHB, Kansas City, Mo. (365.6m-820kc), 7-8 p. m., Sweeney Radio orchestra.

WHO, Des Moines, Iowa (526m-570kc), 7:30-8 p. m., Philbrecks Younker tea-room orchestra; 8-9, Mrs. Bert Mills, soprano; Karl Kilinski, violinist; Mrs. T. C. Thompson, pianist; 11-12, dance program.

WHT, Chicago, Ill. (399.8m-750kc), 6:15 p. m., Al Carney, organist; Eleanor Gilmour, soprano; 7:45 (238m-1260kc), Stuart Dawson; 9:30 (399.8m-750kc), Kenneth Clark and his Hawaiians; 10, Betty Rose, Oscar Heather; 10, your hour league.

WIBO, Chicago, Ill. (226m-1330kc), 6 p. m., early evening musicale; 10-2, Oriole orchestra; Cook Sisters; Howard Neumiller; 12-2, Jamboree program.

WJJD, Mooseheart, Ill. (370.2m-810kc), 5:45-7 p. m., dinner concert; Howard Peterson, organist; Palmer House symphony players; Palmer House Victorians; 8-9, child artists; 10-11, Palmer House Victorians; Jean St. Anne; Lucky Wilbur; 12:30 a. m., Settin's Up hour.

WLS, Chicago, Ill. (344.6m-870kc), 6 p. m., supperbell program; 6:55, Si Spencer monologue; 7, Rae and Lee; 7:15, duo; 7:30, Ralph Emerson, organist; 8, Rae and Lee; 8:10, orchestra; 8:20, Al Holden, football talk; 8:30, Grace Wilson, contralto; 8:40, Max Calm, violinist; 9, WLS trio; 10, Rae and Lee; 11, popular music.

WMAQ, Chicago, Ill (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Wide-Awake club; 8, George Simons, tenor; 8:30, W. H. Crawford; 9, Ethel Levin, violinist; 9:50, WMAQ air line.

WMBB, Chicago, Ill. (250m-1200kc), 7-8 p. m., Trianon duo; Veronica Krebs; Norman Harte, baritone; 9-12, Trianon orchestra; Sandy McTavish; Bob Bennett.

WMC, Memphis, Tenn. (499.7m-600kc), 8 p. m., Mississippi Valley facts; 8:30, Cooper Cord entertainers; 11, Harry O. Nichols, organist.

WOAI, San Antonio, Texas (394.5m-760kc), 8:30 p. m., San Antonio college of music program.

WOAW, Omaha, Neb. (526m-570kc), 6:50 p. m., orchestra; 9, Red Feather program.

WOC, Davenport, Iowa (483.6m-620kc), 8-8:30 p. m., WEAF; 8:30-9, John Gerwe, tenor; Erwin Swindell, pianist; 9-9:30, WEAF; 9:30-10:30, Mrs. Frank W. Elliott, organist; Bernard Regan, baritone; Mrs. R. M. Harper, soprano.

WOK, Chicago, Ill. (217.3m-1380kc), 6-8 p. m., Tip Top Inn string ensemble concert; 8-12 p. m., Capitol theater organ; Midway Garden orchestra; studio program.

WORD, Batavia, Ill. (275m-1090kc), 9 p. m., program.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Gardens orchestra; artists; 10-3, Harry Geise; Jack Jazz Klein; Martha Biehl.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., concert; 10:45, concert.

WSM, Nashville, Tenn. (282.8m-1060kc), 6:30 p. m., Andrew Jackson hotel orchestra; 8, Mrs. Thompson Brown, soprano; 10, studio program; 10:30, Arthur Henkel, organist.

WSOE, Milwaukee, Wis. (245.8m-1220kc), 8:45 p. m., book review; 9, Wisconsin Humane society.

Mountain Time Stations

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra; 8, KOA orchestra; 8:15, scientific football; 8:25, Ralph Freese, tenor; Margaret Henderson, pianist; F. A. Franklin, reader; Ina Rains, soprano; Frank Fowler, cellist; Iris Ruth Gilmore, reader; G. Ralph Crowder, pianist; Hulda Helen Edwards, soprano.

Pacific Time Stations

KFI, Los Angeles, Calif (467m-642kc), 7-7:30 p. m., Carol Maier, soprano; 7:30-8, Felipe Delgado's medio hora espanola; 8-9, Aeolian organ; 9-10, Westerland trio; 10-11, Packard ballad hour.

KFWB, Hollywood, Calif. (252m-1190kc), 6-7 p. m., Pontiac dinner hour; 8-9, program, Bert Farrar, Inc.; 9-10, studio program; 10-11, Warner Brothers frolic.

KGO, Oakland, Calif. (361.2m-830kc), 6 p. m., Stanislas Bem's Little symphony; 8, Christian Science lecture.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-9, musical entertainment; 10:30-12, midnight frolic, Keep Growing Wiser Order of Hoot Owls, Pantages stars and features.

KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., children's hour, Uncle John; 8-9, Girls' Corner club; 9-10, studio program; 10-11, Paulais syncopators.

KLX, Oakland, Calif. (509m-589kc), 8-9:15, Western Auto Supply company; 9:45-10:30, Athens Athletic club orchestra.

KNX, Hollywood, Calif. (336.9m-890kc), 6:30-7 p. m., Atwater Kent orchestra; 7-8 p. m., program, Velvetone Radio corp.; 8-9, program, Frank Meline company; 9-10, Order, Optimistic Donuts; 10-11, program, Dickenson and Gillespie; 11-12, Ambassador hotel dance orchestra.

KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7 p. m., States Restaurant orchestra; 8:30-9, Kane's Hawaiians; 9-10, Palace hotel dance orchestra; 10-11, States Restaurant orchestra; 11-12, Clift hotel dance orchestra.

Saturday, October 2

Headliners Today

Eastern	Central	Mountain	Pacific
3:30 p.m.	2:30	1:30	12:30

WBZ (333.1m-900kc), Football game, Harvard-Geneva.

4	3	2	1

KUOA (299.8m-1000kc), Football game, Mississippi-Arkansas.

WGN (302.8m-990kc), Football game, Northwestern-South Dakota.

WJZ (454.3m-660kc), Football game, Princeton-Amherst.

WMAQ (447.5m-670kc), Football game, Chicago-Florida.

9:30	8:30	7:30	6:30

WSMB (319m-940kc), "Back to the Land of Memory" program.

10	9	8	7

WOC (483.6m-620kc), Old-Time Fiddlers.

10:30	9:30	8:30	7:30

WBAP (475.9m-630kc), Little symphony.

WRC (468.5m-640kc), Kitt hour of music.

12	11	10	9

KFNF (461.3m-650kc), Old-time music.

Saturday, silent night for: CFCA, KFDM, KFUO, KOA, KTAB, KUOA, KWWG, WBAL, WCAL, WCAU, WCBD, WCX, WEBJ, WEEI, WEMC, WGBF, WGCP, WGHB, WGHP, WGR, WHA, WHAD, WHB, WHN, WHO, WJAR, WLWL, WOAI, WOS, WRVA, WTAG, WTIC, WWJ.

Eastern Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 6:15 p. m., Flotilla club; 8, Westinghouse employees' band.

PWX, Havana, Cuba (399.8m-750kc), 8:30-11 p. m., Typical Cuban concert.

WAAM, Newark, N. J. (263m-1140kc), 6 p. m., Johnnie Busso's jazz and Hawaiian trio; 6:35, jazz and Hawaiian trio; 10:30, Four Towers orchestra.

WAHG, Richmond Hill, N. Y. (315.6m-950kc), 12 midnight, Mita Weinzoff's concert orchestra.

WBZ, Springfield, Mass. (333.1m-900kc), 6:15 p. m., Arthur Clifton; 6:30, Hotel Kimball trio; 7:05, Capitol theater orchestra; 7:30, musicale; 8, Rubert Whitcomb, organist; 9, musicale.

WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., William Penn hotel orchestra; 8, Wheeling, W. Va., chamber of commerce.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 5 p. m., recital; 5:15, undenominational church services; 5:30, sermon, Rev. John W. Stockewell; 6:30, Pennsylvania hotel orchestra.

WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., dinner program, Goldkette ensemble.

WDBO, Winter Park, Fla. (239.9m-1200kc), 8:20 p. m., Mary Stoinoff, violinist; Madeline Malleum, pianist; 9, Winter Park chamber of commerce program; 10, variety hour; 11, Owens and Willox popular request hour.

WEAF, New York, N. Y. (491.5m-610kc), 5-12 midnight, Frank Farrell and his Greenwich Village Inn orchestra; Al Lentz' Midtown Hofbrau orchestra; musical comedy, WEAF light opera company; Savoy orchestra; Ben Bernie's hotel Roosevelt orchestra; Rolfe's Palais D'Or orchestra.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:45 p. m., Adelphia Roof Garden orchestra; 8, Piotr Wizla, Polish baritone.

WGBS, New York, N. Y. (315.6m-950kc), 6:30 p. m., Josephine and John Crowley, piano and violin; 7:25, Ora Lee and Helen Wood, personality duets; 7:45, George Hall and his Royal Arcadians; 10:30, Arrowhead Inn dance orchestra.

WGY, Schenectady, N. Y. (379.5m-790kc), 7:30 p. m., Shea's Buffalo hour; 10:30, dance program.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Jean Goldkette's Petite symphony orchestra; soloists; 7:30, Lagoona Gondoliers; 9, studio program; 11:30, Merry Old Chief and Jewett Radio Jesters.

DCAST SUNDAY OVER WEAF CHAIN

ew takes along a big bell, the ial track and the sound of the ning the listener does not hear road hour programs which are y Tuesday evening over WJZ, charge of Conductor Norman one of the passengers who is or one of the other talented reman who when not firing the Minneapolis and St. Paul, sings . Melany and he sings so well IcCormack. Sue Fulton, right, e lines; she sails away blithely , and delights everybody with to voice.

FARMER'S PROGRAM INDEX

Farmer Dinner Concerts

Daily Except Sunday

CENTRAL TIME

KFNF, 12:30 p. m.
KMA, 11:30-12:30
KSO, 12:30-1:30 p. m.

Sunday

Eastern	Central	Mountain	Pacific
3:30 p.m.	2:30	1:30	12:30

WFAA (475.9m-630kc), Sunday hour for farmers.

Monday

Eastern	Central	Mountain	Pacific
11 a.m.	10	9	8

KMMJ (228.9m-1310kc), Poultry talks.

1 p.m.	12	11	10

WCCO (416.4m-720kc), Farm hour.

1:10	12:10	11:10	10:10

WMAQ (447.5m-670kc), Prairie Farmer farm talks.

1:13	12:13	11:13	10:13

WHO (526m-570kc), Radio farm school.

1:30	12:30	11:30	10:30

KMA (461.3m-650kc), Farm talk, agricultural aid.

1:45	12:45	11:45	10:45

WOI (270.1m-1110kc), Questions and answers on horticulture.

7:45	6:45	5:45	4:45

WSM (282.8m-1060kc), Poultry talks.

8	7	6	5

WOS (440.9m-680kc), Livestock questions and answers.

8:30	7:30	6:30	5:30

KUOA (299.8m-1000kc), Farm courses. Oct. 4, "Fairs," "Dairying in Baxter County," "Arkansas' Farm Timber Crop." Oct. 11, "Marketing Truck Crops," "The Farm Journal."

WMC (499.7m-600kc), Farm talk.

9	8	7	6

KFNF (461.3m-650kc), Poultry talk.

9:30	8:30	7:30	6:30

WFAA (475.9m-630kc), Sears-Roebuck program.

Tuesday

Eastern	Central	Mountain	Pacific
11	10	9	8

KMMJ (228.9m-1310kc), Poultry talks.

1:10	12:10	11:10	10:10

WMAQ (447.5m-670kc), Prairie Farmer farm talks.

1:13	12:13	11:13	10:13

WHO (526-570kc), Radio farm school.

1:30	12:30	11:30	10:30

KMA (461.3m-650kc), Agricultural aid.

1:45	12:45	11:45	10:45

WOI (270m-1110kc), "Animal Husbandry."

6:45	5:45	4:45	3:45

WGY (379.5m-790kc), Agricultural program.

8	7	6	5

KYW (535.4m-560kc), American Farm Bureau Federation.

9:30	8:30	7:30	6:30

KOA (322.4m-930kc), Farm question box.

Eastern	Central	Mountain	Pacific
10:10	9:10	8:10	7:10

WOAW (526-570kc), Poultry, pig troubles.

Wednesday

Eastern	Central	Mountain	Pacific
1 p.m.	12 n.	11	10

WCCO (416.4m-720kc), Farm hour.

1:10	12:10	11:10	9:10

WMAQ (447.5m-670kc), Prairie Farmer farm talks.

1:13	12:13	11:13	10:13

WHO (526-570kc), Radio farm school.

1:30	12:30	11:30	10:30

KMA (461.3m-650kc), Agricultural aid.

WFAA (475.9m-630kc), Sears-Roebuck agricultural program.

1:45	12:45	11:45	10:45

WCCO (416.4m-720kc), Oct. 6, Egg laying contest.

1:45	12:45	11:45	10:45

WOI (270.1m-1110kc), Poultry husbandry.

8	7	6	5

WOS (440.9m-680kc), Evening market hour, poultry questions and answers.

12	11	10	9

KGO (361.2m-830kc), Oct. 6, "The Opportunities for Agricultural Export to the Orient."

Thursday

Eastern	Central	Mountain	Pacific
1 p.m.	12 n.	11	10

WCCO (416.4m-720kc), Farm hour.

1:10	12:10	11:10	10:10

WMAQ (447.5m-670kc), Prairie Farmer farm talks.

1:13	12:13	11:13	10:13

WHO (526m-570kc), Radio farm school.

1:15	12:15	11:15	10:15

WOI (270m-1110kc), Farm crops.

1:30	12:30	11:30	10:30

KMA (461.3m-650kc), Agricultural aid.

8:30	7:30	6:30	5:30

WOI (270m-1110kc), Farm crops.

8:33	7:33	6:33	5:33

KYW (535.4m-560kc), American Farm bureau.

9:30	8:30	7:30	6:30

KOA (322.4m930kc), Farm question box.

Friday

Eastern	Central	Mountain	Pacific
1:10 p.m.	12:10	11:10	10:10

WMAQ (447.5m-670kc), Prairie Farmer farm talks.

1:13	12:13	11:13	10:13

WHO (526m-570kc), Radio farm school.

1:15	12:15	11:15	10:15

WCCO (416.4m-720kc), Farmers' program.

1:30	12:30	11:30	10:30

KMA (461.3m-650kc), Agricultural aid.

1:45	12:45	11:45	10:45

WOI (270m-1110kc), Agricultural economics.

7	6	5	4

WTIC (475.9m-630kc), Farm course, Agricultural college.

8	7	6	5

WOS (440.9m-680kc), Evening market hour, dairy questions and answers.

8:30	7:30	6:30	5:30

WOC (483.6m-620kc), Question box.

WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Waldorf Astoria orchestra; 8, Don Voorhees orchestra.
WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., Johanna Grosse, organist; 7:30, Seckatary Hawkins Radio club; 8, Dayton Radio show.
WMAK, Buffalo, N. Y. (266m-1130kc), 7:30 p. m., Shea's Buffalo theater; 8:30, musicale.
WMCA, New York, N. Y. (340.7m-880kc), 7:30 p. m., Monte Carlo by the Sea orchestra; 9, Broadway Merchants' association; 11, Hotel McAlpin orchestra; 12, McAlpin entertainers.
WNYC, New York, N. Y. (526m-570kc), 7:15 p. m., Herman Newman, soloist.
WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Hotel Sylvania dance orchestra.
WOR, Newark, N. J. (405.2m-740kc), 6:15 p. m., Jacques Jacobs' Hotel Shelton ensemble; 6:45, Bill Wathey in sports; 7, Jacques Jacobs' Hotel Shelton ensemble; 7:30, Chateau Baltusrol orchestra.
WRC, Washington, D. C. (468.5m-640kc), 7:30 p. m., Hotel Washington orchestra; 8:30, announced; 10:30, Kitt hour of music; 11:15, organ recital, Otto F. Beck.
WSAI, Cincinnati, Ohio (325.9m-920kc), 8 p. m., Bicycle playing card sextet; 9, musicale; 12, popular midnight program.
WTAM, Cleveland, Ohio (389.4m-770kc), 7:30 p. m., studio program; 8, Hollenden hotel orchestra; 9, vaudeville program; Ev Jones' Merrymakers, entertainers.
WTIC, Hartford, Conn. (475.9m-630kc), 7 p. m., Bristol company banquet; 8:30, American Legion program.

Central Time Stations

KFAB, Lincoln, Neb. (340.7m-880kc), 5:30-6:30 p. m., dinner concert; 8:30-10:30, Harmony boys, vocal and piano, orchestra entertainment.
KFNF, Shenandoah, Iowa (461.3m-650kc), 7 p. m., Mrs. Edith Wright; 11, old time music.
KLDS, Independence, Mo. (440.9m-680kc), 8 p. m., Jack Custead, director.
KMA, Shenandoah, Iowa (461m-650kc), 9-11 p. m., Greenlee Brothers; Jack Todd.
KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., dinner time recital; 7, Little Red Schoolhouse; 8, KMOX Radio orchestra; 9, KMOX players; 9:30, orchestra; Mrs. Aurelia Gallker, soprano; 10, dance.
KOIL, Council Bluffs, Iowa (305.9m-980kc), 6 p. m., Radio Pioneers; 6:30, McCrory's music period; 7:30, John Halpine, tenor; Mrs. Henry Schneider, contralto; Virginia Halpine, soprano; John Jemieson, bass; 11, staff artists.
KPRC, Houston, Texas (296.9m-1010kc), 7:30 p. m., Bible class; 8, Frank Tilton, pianist.
KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10-10 p. m., dance concert, Meyer Davis orchestra; 10-10:30, special attractions.
KYW, Chicago, Ill. (535.4m-560kc), 5:30 p. m., dinner concert, Joska DeBabary and his orchestra; 6, family hour; 7-8, musical program; 8-9:30, classical concert; 9:30-11, Congress carnival.
WBAP, Fort Worth, Texas (475.9m-630kc), 7:30-8 p. m., Sunday school lesson; 8-8:30, Fort Worth club orchestra; 9:30-11, Alfred Broward's Little symphony.
WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6:15 p. m., Nicollet hotel orchestra; Evelyn Neutzling, contralto; Margaret Fliesher, soprano; 8:15, Lowry male quartet; 9, American Legion Auxiliary octet; 10:05, Wallie Erickson's Coliseum orchestra; Aileen Stanley, entertainer; Gerhard Sisters.
WCFL, Chicago, Ill. (491.5m-610kc), 6:30-7:30 p. m., Florentine string trio, dinner music; 7:30-8:30, Johnson Sisters, harmony; Clarence Sullivan, Irish tenor, 8:30-10, Hickey and Johnson, Hawaiians; Little Joe Warner, character songs; 10-1 a. m., Alamo dance orchestra, entertainers.
WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., school of the air; 8-9, around the town with WDAF; Jack and Jill; 11:45-1, Nighthawk frolic.
WFAA, Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m., Jimmy Joy's Baker hotel orchestra; 8:30-9:30, Sarah Hopkinson, singer; 11-12, Jack Gardner's Adolphus hotel orchestra.
WGN, Chicago, Ill. (302.8m-990kc), 6:35-7 p. m., dinner music, Drake concert ensemble, Blackstone string quintet; 8-8:10, "Auld Sandy"; 8:10-8:20, concert ensemble; 8:20-8:30, Correll and Gosden; 8:30-9, musical program; 9-10, light opera period; 10, Sam 'n' Henry; 10:10, The Music Box; 10:40-11, Correll and Gosden.
WHAD, Milwaukee, Wis. (275m-1090kc), 6:10 p. m., dinner hour program.
WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., vocal and instrumental concert, Arthur Findling, baritone.
WHT, Chicago, Ill. (399.8m-750kc), 6 p. m., Al Carney, organist; Cyril Allen, 'cellist; 7:45 (238m-1260kc), Stuart Dawson; 9:30 (399.8m-750kc), Brown and Craig; Matthews Sisters; 10, John Norton, harmonica soloist; Clementine Degama, blues singers; 12, your hour league.
WIBO, Chicago, Ill. (226m-1330kc), 6-8 p .m., Oscar Heather, smiling tenor; Walter Preston.
WJJD, Mooseheart, Ill. (370.2m-810kc), 5:45-7 p. m., dinner concert; Howard Peterson, organist; symphony players; Victorians; 8-9, Gail Bandell, George Hill; 10-11, Gail Bandell, Victorians; 12-1 a. m., Settin' Up hour.
WLS, Chicago, Ill. (344.6m-870kc), 6:40 p. m., Maurie Sherman's orchestra; 6:55, Si Spencer; 7:15-12, national barn dance.
WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, orchestra; 8, musical potpourri; 8:30, photologue, Gov. Smith of New York; 9, Chicago theater Radio revue.
WMBB, Chicago, Ill. (250m-1200kc), 7-8 p. m., Trianon ensemble; John Stamford; 9-12, Trianon orchestra; Jimmie Eggert; Jack Goodwin; Arthur Truesdale; Heavenly Twins.
WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., musicale.
WOAW, Omaha, Neb. (526m-570kc), 6:50 p. m., orchestra; 9, program.
WOC, Davenport, Iowa (483.6m-620kc), 9-10 p. m., old time fiddlers.
WOK, Chicago, Ill. (217.3m-1380kc), 6-8 p. m., Tip Top Inn string ensemble concert; 8-12 p. m., Capitol theater organ; Midway Garden orchestra; studio program, dance orchestras.
WORD, Batavia, Ill. (275m-1090kc), 7 p. m., Webster hotel concert program; 9, Little Journey talk, Chicago Motor club.
WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Gardens orchestra; Rodeheaver quartet; 10-3, Rainbo Gardens frolic; Paul Small.
WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., Atlanta Atwater Kent hour; 10:45, Journal hired help.
WSM, Nashville, Tenn. (282.8m-1060kc), 6:30 p. m., Andrew Jackson hotel orchestra; 8, barn dance program.
WSMB, New Orleans, La. (319m-940kc), 8:30-10:30 p. m., "Back to the Land of Memory" program; Ray McNamara, pianist; Bob Aguilerr, accordionist; Ernest Guedry, banjoist.
WSOE, Milwaukee, Wis. (245.8m-1220kc), 7:30 p. m., dinner concert; 9:30, Elks club studio.

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Geo. O'Hare and his uke, and others; 8-9, Angelus string quartet; Paul Roberts, soloist; 9-10, Leo Rahitz, violinist; 10-11, Packard Radio club; 11-2 a. m., KFI midnight frolic.
KFWB, Hollywood, Calif. (252m-1190kc), 6-7 p. m., Pontiac dinner hour; 8-9, Bill Hatch and his orchestra; Dan Gridley, tenor; 9-10, studio program; 10-11, Warner Brothers frolic.
KGO, Oakland, Calif. (361.2m-830kc), 9-1 a. m., Hotel Whitcomb band; Frank Gibney, tenor.
KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 10-12, Herman Kenin and his orchestra; Punch Green, solos.
KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., children's hour, Uncle John; 8-10, news items, Times de luxe program.
KNX, Hollywood, Calif. (336.9m-890kc), 7:30-9 p. m., feature studio program; 9-10, program, Rondith corporation; 10-11, Ambassador hotel dance orchestra; 11-2 a. m., Hollywood nite frolic.
KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7:20 p. m., States Restaurant orchestra; 8-10, Mandarin Cafe orchestra; 10-12, Clift hotel dance orchestra.
KPSN, Pasadena, Calif. (315.6m-950kc), 8-9 p. m., Star-News instrumental ensemble.

Sunday, October 3

Headliners Today

Eastern	Central	Mountain	Pacific
6:20 p.m.	5:20	4:20	3:20

WEAF (491.5m-610kc), WEEI (348.6m-560kc), WRC (468.5m-640kc), WWJ (352.7m-850kc), KSD (545.1m-550kc), WCAE (461.3m-650kc), Capitol family.

Eastern	Central	Mountain	Pacific
8:15	7:15	6:15	5:15

WEAF (491.5m-610kc), WEEI (348.6m-860kc), WSAI (325.9m-920kc), WGR (319m-940kc), WWJ (352.7m-850kc), WGN (302.8m-990kc), WCCO (416.4m-720kc), KSD (545.1m-550kc), WTAM (389.4m-770kc), WRC (468.5m-640kc), WFI (394.5m-760kc), WCAE (461.3m-650kc), WOC (483.6m-620kc), WTAG (545m-550kc), Anna Case.

10	9	8	7

KTHS (374.8m-800kc), Classic hour.

10:15	9:15	8:15	7:15

WCCO (416.4m-720kc), Chippewa Indians program.

12	11	10	9

KFWB (252m-1190kc), Movie frolic.
KGO (361.2m-830kc), Little symphony concert.
WHO (526m-570kc), Midnite frolic.

Sunday, silent night for: CKAC, CKNC, CNRA, CNRC, CNRE, CNRM, CNRO, CNRR, CNRT, CNRV, CNRW, KFXF, KMA, KWWG, PWX, WAHG, WCFL, WDAF, WEBJ, WFI, WGBF, WGHB, WGHP, WHAD, WHAS, WJJD, WJR, WLIT, WLWL, WMAQ, WMC, WNYC, WOI, WOO, WOOD, WOR, WREC, WSMB, WRVA, WTIC.

Eastern Time Stations

CFCA, Toronto, Can. (356m-840kc), 11 a. m., service; 7 p. m., service.
KDKA, Pittsburgh, Pa. (309.1m-970kc), 11 a. m., Point Breeze Presbyterian church; 7:45, Calvary Episcopal church.
WBZ, Springfield, Mass. (333.1m-900kc), 7:30 p. m., Boris Krennin, director; Aidan Redmond, baritone; 8, Rupert Sircom, organist; Hildegard Berthold, 'cellist; 9, Golden Rule hour; 10, Maxwell House coffee ensemble.
WCX, Detroit, Mich. (516.9m-580kc), 7:15 p. m., Central Methodist Episcopal church.
WDBO, Winter Park, Fla. (239.9m-1200kc), 7:30 p. m., services.
WEAF, New York, N. Y. (491.5m-610kc), 5:30-6 p. m., Walter Hassler, pianist; 6-7:20, orchestra; 7:20-9:15, Capitol theater; 9:15-10:15, Atwater Kent Radio hour.
WEEI, Boston, Mass. (348.6m-860kc), 10:45 a. m., First Church of Christ, Scientist; 2 p. m., Sanger's hour of hospitality; 7:20, WEAF; 9:15, WEAF; 9:45, Keith's theater.
WEMC, Berrien Springs, Mich. (315.6m-950kc), 11 a. m., studio choir, services; Ellis Maas, bass; 8:15 p. m., Paul Schubert, pianist; Ellen Acton, soprano; services.
WFI, Philadelphia, Pa. (394.5m-760kc), 10:30 a. m., services, Arch st. M. E. church.
WGR, Buffalo, N. Y. (319m-940kc), 10:45 a. m., Westminster Presbyterian church; 7:45, Central Presbyterian church; 9:15-10:15, WEAF.
WGY, Schenectady, N. Y. (379.5m-790kc), 10:30 a. m., First Presbyterian church; 7:30 p. m., First Presbyterian church; musical program.
WHN, New York, N. Y. (361.2m-830kc), 6:30 p. m., Libby's Hotel orchestra; 7:30, Calvary Baptist church evening services.
WJAR, Providence, R. I. (485m-618kc), 7:20 p. m., WEAF; 9:15, musicale.
WJR, Pontiac, Mich. (516.9m-580kc), 10 a. m., First Baptist church; 10 p. m., special song service.
WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Park Avenue Baptist church; 9:30, Godfrey Ludlow; 10:15, Maxwell House coffee hour.
WLIT, Philadelphia, Pa. (394.5m-760kc), 2:15 p. m., Arcadia cafe concert orchestra.
WLW, Cincinnati, Ohio (422.3m-710kc), 7:30 p. m., First Presbyterian church; 8:30, Crosley Salon orchestra.
WMAK, Buffalo, N. Y. (266m-1130kc), 10:25 a. m., First Presbyterian church; 7:45, Churchill Tabernacle.
WMCA, New York, N. Y. (340.7m-880kc), 7 p. m., Hotel McAlpin orchestra; 7:30, Hotel McAlpin string ensemble; 9, Broadway Merchant's association.
WOO, Philadelphia, Pa. (508.2m-590kc), 10:30 a. m., services, Bethany Presbyterian church; 2:30 p. m., musical exercises, Bethany Sunday school.
WOR, Newark, N. J. (405.2m-740kc), 6:15 p. m., Jacques Jacobs' Hotel Shelton ensemble; 7, Jacques Jacobs' Hotel Shelton ensemble; 7:30, Brooklyn Daily Eagle program; 9, Klein's Serenading Shoemakers.
WRC, Washington, D. C. (468.5m-640kc), 11 a. m., services; 4 p. m., Peace Cross Services; 6:20, WEAF; 8:15, WEAF.
WSAI, Cincinnati, Ohio (325.9m-920kc), 11 a. m., Presbyterian church; 4 p. m., Y. M. C. A.; 8:45, chimes; 9, Radio sermonette; 9:15, WEAF.
WTAM, Cleveland, Ohio (389.4m-770kc), 11 a. m., Church of the Covenant; 3 p. m., musicale; 6, Hollenden hotel orchestra; 7, Park theater orchestra; 8, twilight musicale.
WWJ, Detroit, Mich. (352.7m-850kc), 10 a. m., St. Paul's Cathedral; 2 p. m., News orchestra; 7:20, WEAF; 9:15, WEAF.

Central Time Stations

KFAB, Lincoln Neb. (340.7m-800kc), 9-11 p. m., Sunday evening musical.
KFNF, Shenandoah, Iowa (461.3m-650kc), 10:45 a. m., First M. E. church; 2:30 p. m., Seed House song service; 3, Church Hepburn; 6:30, Golden Rule circle; 8, services.
KLDS, Independence, Mo. (440.9m-680kc), 11 a. m., studio service; 3 p. m., KLDS Radio church; 6:30, Radio vesper service.
KMA, Shenandoah, Iowa (461m-650kc), 4-5 p. m., Men's Gospel team.
KMOX, St. Louis, Mo. (280.2m-1070kc), 9 p. m., Skouras Brothers Sunday night club; 10, weather.
KOIL, Council Bluffs, Iowa (305.9m-980kc), 11 a. m., First Congregational church; 7, kiddies' hour; 7:30, Charlestonians; 11, Lyric serenaders.
KPRC, Houston, Texas (296.9m-1010kc), 11 a. m., services; 7:30 p. m., services; 9:30, studio concert; 11, Texan theater organ concert.
KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 11 a. m., First Baptist church; 9-10 p. m., classic hour, Meyer Davis ensemble; 10-11, Arkansas Traveler frolic; 11-12, Lawson Reid, organist.
KYW, Chicago, Ill. (535.4m-560kc), 10 a. m., Second Presbyterian church; 3:30 p. m., studio program; 8:30-10, classical concert.
WBAP, Fort Worth, Texas (475.9m-630kc), 11 a. m., First Methodist church; 9:30-11, Sorin-White Top o' Texas orchestra.
WCBD, Zion, Ill. (344.6m-870kc), 8 p. m., Zion junior choir; Lavon Paul Miller, vocalist; Mrs. S. D. Inman, soprano.
WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 10:50 a. m., Westminster Presbyterian church; 4:10 p. m., House of Hope Presbyterian church; 6:20, Second Church of Christ, Scientist; 8:15, WEAF; 9:15, Chippewa Indians; 10:30, Hugo Philler Goodwin, organist.
WDAF, Kansas City, Mo. (365.6m-820kc), 3-4 p. m., Star's orchestra; 4-4:45, WDAF's Sabbath vespers.
WFAA, Dallas, Texas (475.9m-630kc), 6-7 p. m., Radio Bible class; 7:30-8:30, First Baptist church; 8:30-9:30, Willard B. Muse, tenor; Ruth Muse, contralto; 11-12, Ligon Smith's orchestra.
WGN, Chicago, Ill. (302.8m-990kc), 12-1 p. m., Uncle Walt; 1-2, Ambrose Larsen, organist; 2-3, Lyon and Healy artist recital; 3-5, musical program; 6:45-7, string quintet and soloists; 7-7:20, The Million Sing; 7:20-7:30, Old Fashioned Almanack; 7:30-8, Drake concert ensemble; Correll and Gosden; 8-8:15, ensemble, string quintet; 8:15-8:45, WEAF; 9-10, Music Room; 10, Sam 'n' Henry; 10:30-11, artists; Correll and Gosden.
WHAD, Milwaukee, Wis. (275m-1090kc), 3:15 p. m., musical program from Turnverein.
WHAS, Louisville, Ky. (399.8m-750kc), 10 a. m., Fourth Avenue Presbyterian church; 4:30-5:30, choral evensong service, Christ Church cathedral.
WHB, Kansas City, Mo. (365.6m-820kc), 7 p. m., sermon; 8-9, evening service; 11:15-1, Linwood theater Radio feature; Don Anchors, poet.
WHO, Des Moines, Iowa (526m-570kc), 11 a. m., University Church of Christ Church; 5-6 p. m., Bankers Life Little symphony orchestra; 7:30-8:30, Hotel Fort Des Moines orchestra; 11-12, musicale.
WHT, Chicago, Ill. (399.8m-750kc), 11 a. m.-11:30 p. m., Paul Rader.
WIBO, Chicago, Ill. (226m-1330kc), 10 a. m., M. E. church; 2-4 p. m., Young American artists; 6-8, dinner concert.
WJJD, Mooseheart, Ill. (370.2m-810kc), 8:15-9:15 a. m., Roman Catholic services; 9:30-10:30, Protestant services; 1-2 p. m., Howard Peterson, organist; 2-2:30, Bible class; 2:30-3, sacred song service; 3, popular concert; 4-5, Palmer House symphony orchestra.

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Friday, Oc

Headliners

Eastern **Central**
8 p.m. **7**
KDKA (309.1m-970kc), Tea
WQJ (447.5m-670kc), Aren
8:15 **7:15**
WGY (379.5m-790kc), Geor
9 **8**
KFDM (315.6m-950kc), Bar
WMAQ (447.5m-670kc), M
9:30 **8:30**
WRVA (256m-1170kc), Edg
10:10 **9:10**
KTHS (374.8m-800kc) Fam
11:30 **10:30**
WSM (282.8m-1060kc), Pipe
1 p.m. **12 n.**
KFI (467m-642kc), Ballad

Friday, silent night for:
KLDS, KPRC, KPSN, K
WBBR, WCAD, WCBD, WF
WKRC, WLIT, WLW, W
WSMB, WSUI, WTAM.

Eastern Time

CKNC, Toronto, Can. (357m
lews E. Bodley and his orc
ton, tenor.

KDKA, Pittsburgh, Pa. (30
dinner concert; 8, Teaberry
Art Giles and his Everglad

WAAM, Newark, N. J. (263
ard Humphrey's orchestra;
organ recital; 9:30, Chambe.
Towers orchestra.

WAHG, Richmond, Hill, N. Y.
p. m., studio program; 8, Janet Bus.
cert; mezzo contralto, violin, cello, pi.
The Gondoliers; 9:30, Gaston's societ
10:02, Gaston's society orchestra.

WBAL, Baltimore, Md. (246m-1220kc
p. m., dinner orchestra; 7:30-8, Jubilee
musical program; Virginia Winstead F
Melva Forsyth, contralto; Evelyn U
9-10, W'al ensemble.

WBZ, Springfield, Mass. (333.1m-900kc),
McEnelly's Victor Recording orchestra
concerts; 8:30 program, Edward Gel
Dancing Deny McCarthy and his Palac
Mildred Chapin, pianist.

WCAE, Pittsburgh, Pa. (461.3m-650kc),
sacred music; 8:30, Burt McMurtrie, d
Max J. Spoon, contralto; 9, WEAF;
spirituals; 10, WEAF.

WCAU, Philadelphia, Pa. (277.6m-1080kc
Snellenburg instrumental trio; 8, Bar
Irish tenor; 8:30, recital; 8:45, Miss Ba
accordion; 9, Regina Crooners; 9:15,
"murmuring baritone"; 9:45, Archie I
10, Myers' musical architects.

WCX, Detroit, Mich. (516.9m-580kc), 6-
ner concert; Goldkette ensemble; 8-9,
gram; 10, dance music.

WDBO, Winter Park, Fla. (239.9m-1
p. m., musical program; 9, Sanlando
gram.

WEAF, New York, N. Y. (491.5m-610k
night, Hazel Dudley, soprano; Esther
ist; William Lawlor, baritone; Williar
and his orchestra; Happiness Boys; Ell
pianist; Jacob Schwartdorf, pianist;
tenor; La France orchestra; Whittal
sians; Rolfe's Palais D'Or orchestra.

WEEI, Boston, Mass. (348.6m-860kc),
Hiram and the Dairy Maids; 8, musical
politan girls quintet; 9-11, WEAF.

WEMC, Berrien Springs, Mich. (315.
p. m., old time hymns; Rose Hyatt, so
Butterfield, reader.

WFI, Philadelphia, Pa. (394.5m-760kc),
Adelphia Roof Garden dance orchestra.

WGBS, New York, N. Y. (315.6m-950kc
Jule Anzell's orchestra; 7:10, music.

WGHB, Clearwater, Fla. (266m-1130kc),
pipe organ recital; Mrs. Ethel Webs
Maude Sheridan, contralto.

WGHP, Detroit, Mich. (270.1m-1110kc), 6 p.
dinner concert; 7:25, Hotel Tuller music; 10-1
entertainers; 11-12, Melody Makers.

WGR, Buffalo, N. Y. (319m-940kc), 9 p. m., WEAF;
9:30, Billy McKay, Buffalo's Harry Lauder; 10-
10:30, WEAF; 11-1 a. m., Lopez orchestra.

WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m.,
dinner program; 7:35, Edward Rice, violinist; 7:45-
8:15, Music study series; Ethel Osterhout, pianist;
8:15, Georgia Boy Minstrels; 10:30, musical pro-
gram.

WHN, New York, N. Y. (361.2m-830kc), 8 p. m.,
Treasureland Home Owners ensemble; 9, Loew's
Coney Island theatre orchestra; 9:30, Coney Island
Stadium bouts; 11, Strand Roof orchestra; 11:30,
Roseland dance orchestra; 12 p. m., Silver Slipper
orchestra.

WJAR, Providence, R. I. (485m-618kc), 8 p. m., musi-
cale; 10, WEAF.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Detroit
Trade expansion program; 9, studio program.

Mrs. Billie Reed, Jr., pianist; 8:30-9:30, service, Temple Emanu-El.

WGBF, Evansville, Ind. (236m-1270kc), 7 p. m., Lincoln and Ford orchestra; 8, auto tour; 9, studio program.

WGN, Chicago, Ill. (302.8m-990kc), 6:45-7 p. m., request program, Drake concert ensemble, string quintet; 7:05-7:15, Old Fashioned Almanack; 7:15-7:50, Paul Ash; 8-9, musical program; 9-9:30, WEAF; 9:30-10, Phantom violin; 10-10:10, Sam 'n' Henry; 10:10-10:20, Music box; 10:30-10:40, Leon Lichtenfeld, cellist; Herbert Johnson, pianist; 10:40-11, Correll and Gosden.

WHAD, Milwaukee, Wis. (275m-1090kc), 6:10 p. m., Wisconsin theater organ recital, Arthur Richter; 8:30, Marquette University studio program.

WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., concert, Southern Baptist theological seminary.

Science lecture.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-9, musical entertainment; 10:30-12, midnight frolic, Keep Growing Wiser Order of Hoot Owls, Pantages stars and features.

KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., children's hour, Uncle John; 8-9, Girls' Corner club; 9-10, studio program; 10-11, Paulais syncopators.

KLX, Oakland, Calif. (509m-589kc), 8-9:15, Western Auto Supply company; 9:45-10:30, Athens Athletic club orchestra.

KNX, Hollywood, Calif. (336.9m-890kc), 6:30-7 p. m., Atwater Kent orchestra; 7-8 p. m., program, Velvetone Radio corp.; 8-9, program, Frank Meline company; 9-10, Order, Optimistic Donuts; 10-11, program, Dickenson and Gillespie; 11-12, Ambassador hotel dance orchestra.

[illegible] orchestra; musical comedy, WEAF light opera company; Savoy orchestra; Ben Bernie's hotel Roosevelt orchestra; Rolfe's Palais D'Or orchestra.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:45 p. m., Adelphia Roof Garden orchestra; 8, Piotr Wizla, Polish baritone.

WGBS, New York, N. Y. (315.6m-950kc), 6:30 p. m., Josephine and John Crowley, piano and violin; 7:25, Ora Lee and Helen Wood, personality duets; 7:45, George Hall and his Royal Arcadians; 10:30, Arrowhead Inn dance orchestra.

WGY, Schenectady, N. Y. (379.5m-790kc), 7:30 p. m., Shea's Buffalo hour; 10:30, dance program.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Jean Goldkette's Petite symphony orchestra; soloists; 7:30, Lagoona Gondoliers; 9, studio program; 11:30, Merry Old Chief and Jewett Radio Jesters.

Kfwa, Wgn, Wmca, Wreo, Wcco; 10:45, Kfwb, Who, Kfoa; Kgo, Wjaz.

ANNA CASE, ALBERT SPALDING BROADCAST SUNDAY OVER WEAF CHAIN

HIGH LIGHTS OF THE AIR

FOOTBALL opens again this year for the Radio fans. Not only will the big New York and Chicago stations broadcast famous games but college stations will broadcast home games. In addition to this all stations connected with newspapers which are members of the Associated Press will give special football returns. Well known sport announcers again preside over the broadcasting.

This month Radio programs resume their regular winter features. Listeners to the Sunday Evening club programs through KYW will tune in Sunday, October 3, for the opening meeting of this club. Fans who enjoyed the classical concerts sponsored by Atwater Kent last year will also tune in this same evening to the WEAF chain. Anna Case, soprano of the Metropolitan opera, and Albert Spalding, concert violinist, will give the first concert of the season.

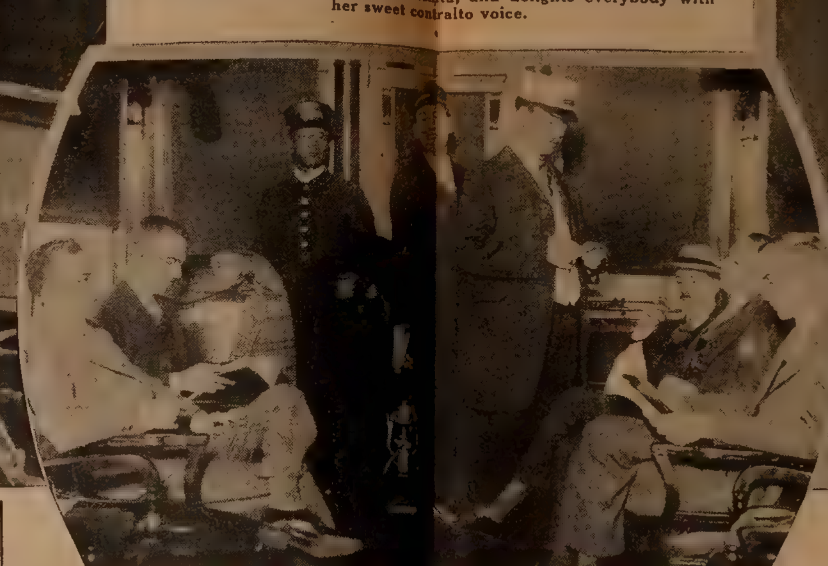
Who does not remember Clara Kurtz and her Chocolate Cake-Eater, popular last year at KOIL, Council Bluffs? They are back on the air with new ideas and new stunts and if you did not laugh at them last year, you will this.

WLS has a new harmony team and this time the team is composed of two pretty girls. In fact, one girl is so pretty she made our front cover last week. Juanita Rae and Harriet Lee are the names of the pair, but they will be known as Rae and Lee.

Tuesday, October 5, is the first anniversary of WSM and the Solemn Old Judge himself, who is in charge of this station, plans a regular gala evening with special announcing, music and all the rest.

"Give Me Life or Give Me Death!" Tune in for WRVA, Richmond, Wednesday, October 6, and see whether the organ recital scheduled for this evening at 9:30 p. m. makes you think of this famous saying. If it does not it should because this recital will be broadcast from the famous St. John's Episcopal church where Patrick Henry made this famous speech.

The Veiled Prophets' ball, an annual party famous in St. Louis for its mirth and fun and which resembles to some extent the Mardi Gras of New Orleans, goes on the air for the third year from KMOX, St. Louis. Last year and the year before the broadcasting was done by KSD.



RIDING the ether track this train crew takes along a big bell, the sound of the wheels on this etherial track and the sound of the steam in the throttle. The only thing the listener does not hear is the smoke. These Pennsylvania Railroad hour programs which are on from 8 to 9 p. m., Eastern time, every Tuesday evening over WJZ, WGY, and WRC have been under the charge of Conductor Norman Brokenshire. He is shown admitting one of the passengers who is probably Eddie Smalle, Wilfred Glenn or one of the other talented artists aboard. To the left is a real fireman who when not firing the locomotive from Glendive, Montana, to Minneapolis and St. Paul, sings from WCCO. His name is Howard J. Melany and he sings so well that people often take him for John McCormack. Sue Fulton, right, is not a passenger on either one of these lines; she sails away blithely on the wave length of KFH, Wichita, and delights everybody with her sweet contralto voice.

Friday, October 1

Headliners Today

Eastern	Central	Mountain	Pacific
8 p.m.	7	6	5

KDKA (309.1m-970kc), Teaberry time.
WQJ (447.5m-670kc), Arends trio.

8:15	7:15	6:15	5:15

WGY (379.5m-790kc), Georgia Boy minstrels.

9	8	7	6

KFDM (315.6m-950kc), Band concert.
WMAQ (447.5m-670kc), Musical potpourri.

9:30	8:30	7:30	6:30

WRVA (256m-1170kc), Edgeworth party night.

10:10	9:10	8:10	7:10

KTHS (374.8m-800kc), Famous classics.

11:30	10:30	9:30	8:30

WSM (282.8m-1060kc), Pipe organ concert.

1 p.m.	12 n.	11	10

KFI (467m-642kc), Ballad hour.

Friday, silent night for: CFCA, CKNC, KFNF, KLDS, KPRC, KPSN, KUOA, KWWG, PWX, WBBR, WCAD, WCBD, WFI, WGBS, WIP, WJAZ, WKRC, WLIT, WLW, WLWL, WREO, WSAI, WSMB, WSUI, WTAM.

Eastern Time Stations

CKNC, Toronto, Can. (357m-840kc), 8 p. m., Charles E. Bodley and his orchestra, James L. Doding ton, tenor.

KDKA, Pittsburgh, Pa. (309.1m-970kc), 6:15 p. m., dinner concert; 8, Teaberry time; 9, concert; 10:30, Art Giles and his Everglade orchestra.

WAAM, Newark, N. J. (263m-1140kc), 6 p. m., Howard Humphrey's orchestra; 8, Tappan's Jewels; 9, organ recital; 9:30, Chamber of Commerce; 11, Four Towers orchestra.

WAHG, Richmond Hill, N. Y. (315.6m-950kc), 7:30 p. m., studio program; 8, Janet Bush Hecht's concert; mezzo contralto, violin, cello, piano solos; 9, The Gondoliers; 9:30, Gaston's society orchestra; 10:30, Gaston's society orchestra.

WBAL, Baltimore, Md. (246m-1220kc), 6:30-7:30 p. m., dinner orchestra; 7:30-8, Jubilee singers; 8-9, musical program; Virginia Winstead Fox, soprano; Melva Forsyth, contralto; Evelyn Upp, violinist; 9-10, WBAL ensemble.

WBZ, Springfield, Mass. (333.1m-900kc), 6:30 p. m., McEnelly's Victor Recording orchestra; 7:30, band concerts; 8:30, program, Edward Gehrman; 9:15, Dancing Deny McCarthy and his Palace Four; 9:45, Mildred Chapin, pianist.

WCAE, Pittsburgh, Pa. (461.3m-650kc), 7:30 p. m., sacred music; 8:30, Burt McMurtrie, director; Mrs. Max J. Spehn, contralto; 9, WEAF; 9:30, negro spirituals; 10, WEAF.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30 p. m., Snellenburg instrumental trio; 8, Harry O'Moore, Irish tenor; 8:30, recital; 8:45, Mrs. Bambina, piano accordion; 9, Regina Crooners; 9:15, Sam Gold, "murmuring baritone"; 9:45, Archie Lloyd, songs; 10, Myers' musical architects.

WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., dinner concert, Goldkette ensemble; 8-9, studio program; 10, dance music.

WDBO, Winter Park, Fla. (239.9m-1200kc), 8-10 p. m., musical program; 9, Sanlando popular program.

WEAF, New York, N. Y. (491.5m-610kc), 4-12 midnight, Hazel Dudley, soprano; Esther Ostroff, pianist; William Lawlor, baritone; William H. Wilsen and his orchestra, Happiness Boys, Ethel Pearlman, pianist; Jacob Schwartzdorf, pianist; Claude Reese, tenor; La France orchestra, Whittall Anglo-Persians; Rolfe's Palais D'Or orchestra.

WEEI, Boston, Mass. (348.6m-860kc), 7:30 p. m., Hiram and the Dairy Maids; 8, musicale; 8:30, Neapolitan girls quintet; 9-11, WEAF.

WEMC, Berrien Springs, Mich. (315.6m-950kc), 9 p. m., old time hymns; Rose Hyatt, soprano; Mabel Butterfield, reader.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:45 p. m., Adelphia Roof Garden dance orchestra.

WGBS, New York, N. Y. (315.6m-950kc), 6:30 p. m., Julie Anzelli's orchestra; 7:10, music.

WGHB, Clearwater, Fla. (266m-1130kc), 8:30-10 p. m., pipe organ recital, Mrs. Ethel Weber, soprano; Maude Sheridan, contralto.

WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert; 7:25, Hotel Tuller music; 10-11, entertainers; 11-12, Melody Makers.

WGR, Buffalo, N. Y. (319m-940kc), 9 p. m., WEAF; 9:30, Billy McKay, Buffalo's Harry Lauder; 10-10:30, WEAF; 11-1 a. m., Lopez orchestra.

WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., dinner program; 7:35, Edward Rice, violinist; 7:45-8:15, Music study series, Ethel Osterhout, pianist; 8:15, Georgia Boy Minstrels; 10:30, musical program.

WHN, New York, N. Y. (361.2m-830kc), 8 p. m., Treasureland Home Owners ensemble; 9, Loew's Coney Island theatre orchestra; 9:30, Coney Island Stadium bouts; 11, Strand Roof orchestra; 11:30, Roseland dance orchestra; 12 p. m., Silver Slipper orchestra.

WJAR, Providence, R. I. (485m-618kc), 8 p. m., musicale; 10, WEAF.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Detroit Trade expansion program; 9, studio program.

WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Pennsylvania hotel grill orchestra; 8, Sundial Shoe serenaders; Bonnie Laddies; 9, Breyer Ice Cream hour.

WLIT, Philadelphia, Pa. (394.5m-760kc), 7:30 p. m., Dream Daddy's bedtime stories; 8, WEAF.

WMAK, Buffalo, N. Y. (266m-1130kc), 7:45 p. m., WGY players.

WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Hotel McAlpin string ensemble; 6:30, Hotel McAlpin orchestra; 7:30, Monte Carlo by the Sea orchestra; 8:45, Power Syncopator; 8:50, Broadway association; 9:30, Klein's Serenading Shoemakers.

WNYC, New York, N. Y. (526m-570kc), 6 p. m., piano selections; 6:30, French lessons; 8:50, "Know Your City," John Cuff.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Hotel Sylvania dance orchestra; 8:30, WOO tourists; 9:30, Fox theater program; 10, Sesqui Centennial concert; 10:30, Sam Brown's orchestra.

WOR, Newark, N. J. (405.2m-740kc), 6:35 p. m., Hotel Bretton Hall string quartet; 7:30, Crystal Palace orchestra; 8:30, Wurlitzer organ recital; 10:15, Ritz Carlton dance orchestra.

WRC, Washington, D. C. (468.5m-640kc), 7 p. m., Mozart string quintet; 8-11, WEAF.

WRVA, Richmond, Va. (256.3m-1170kc), 9:30 p. m., Edgeworth party night, dance program; 12:30, "Carry Me Back to Old Virginny."

WTAG, Worcester, Mass. (545.1m-550kc), 8:30 p. m., to be announced; 10, WEAF.

WTAM, Cleveland, Ohio (389.4m-770kc), 8 p. m., studio program; 9, WEAF; 9:30, quartet; 10:30, studio program; 11, Jack Horwitz Collegian serenaders.

WTIC, Hartford, Conn. (475.9m-630kc), 6:30 p. m., dinner concert; 7:15, piano selections, Laura Gaudet; 7:30, Austin organ recital; 8, Garber Brothers hour; Gibbs hour.

WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 8, News orchestra, soloists; 9, WEAF; 9:30, dance program.

Central Time Stations

KFAB, Lincoln, Neb. (340.7m-880kc), 5:30-6:30 p. m., Little symphony orchestra; 8:30-10:30, Buick Master Six orchestra; Lincoln Typographical Union program, Carl Schaefer and artists.

KFDM, Beaumont, Texas (315.6m-950kc), 8-10 p. m., Refinery band.

KFNF, Shenandoah, Iowa (461.3m-650kc), 7 p. m., Sunday school lesson.

KMA, Shenandoah, Iowa (461m-650kc), 9-11 p. m., Ruby trio.

KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., dinner time music; 7, Buster Brown hour; 8, Colonel Gill, Bill Snyder, accordionist; 9, Do Re Mi Double quartet; 9:30, Scotch program, Caledonian society; 10, music lovers' hour.

KOIL, Council Bluffs, Iowa (305.9m-980kc), 6:03 p. m., Mona Motor Oil entertainers; 7:30, Dorothy Steinbaugh; 8, Winter Garden farms; 8:30, Jack and Jill.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10-10 p. m., famous classics, New Arlington hotel ensemble; 10:10-30, special attractions.

KWWG, Brownsville, Texas (278m-1080kc), 8:30-8:45 p. m., Mrs. F. B. Ray, soprano; 8:45-9, Louis Bartlette, Jr., pianist; 9-9:15, Margaret Cockran, violinist; 9:15-9:30, George Desha, baritone; 9:30-9:45, Jose Romero Gilberto Guerra, tenor; 12:01-1, novelty and jazz.

KYW, Chicago, Ill. (535.4m-560kc), 5:30 p. m., dinner concert; 6, Family hour; 7-9:30, program; 11, Congress Carnival.

WBAP, Fort Worth, Texas (475.9m-630kc), 7:30-8:30 p. m., Panther Hawaiian trio; 9:30-9:40, talk; 9:40-11, Arlene Patterson Duff, contralto; 11-12, Will Foster, organist.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6:15 p. m., dinner concert; 8, Nash program; 9, WEAF; 10:05, Emmet Long's Nankin cafe orchestra; Selma Erickson, soprano.

WCFL, Chicago, Ill. (491.5m-610kc), 6:30-7:30 p. m., Florentine string trio; 7:30-8:30, Clarence Theders, baritone; Vella Cook, contralto; 8:30-10, Joe Warner, gloom chaser; Cook Sisters, harmony songsters; 10-1 a. m., Alamo dance orchestra, entertainers.

WCOA, Pensacola, Fla. (222m-1350kc), 7-8:30 p. m., Saenger theater orchestra; Sid Nichols, pianist; St. Michael's church choir; Michael Di Lustro, tenor.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., school of the air; 8-8:30, WEAF; 8:30-9, varied musical program; 9-9:30, WEAF; 11:45-1, Nighthawk frolic.

WFAA, Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m., Mrs. Billie Reed, Jr., pianist; 8:30-9:30, service, Temple Emanu El.

WGBF, Evansville, Ind. (236m-1270kc), 7 p. m., Lincoln and Ford orchestra; 8, auto tour; 9, studio program.

WGN, Chicago, Ill. (302.8m-990kc), 6:45-7 p. m., request program, Drake concert ensemble, string quintet; 7:05-7:15, Old Fashioned Almanack; 7:15-7:50, Paul Ash; 8-9, musical program; 9-9:30, WEAF; 9:30-10, Phantom violin; 10-10:10, Sam 'n' Henry; 10:10-10:30, Music box; 10:30-10:40, Leon Lichtenfeld, cellist, Herbert Johnson, pianist; 10:40-11, Correll and Gosden.

WHAD, Milwaukee, Wis. (275m-1090kc), 6:10 p. m., Wisconsin theater organ recital, Arthur Richter; 8:30, Marquette University studio program.

WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., concert, Southern Baptist theological seminary.

WHB, Kansas City, Mo. (365.6m-820kc), 7-8 p. m., Sweeney Radio orchestra.

WHO, Des Moines, Iowa (526m-570kc), 7:30-8 p. m., Philbrecks Younker tea-room orchestra; 8-9, Mrs. Bert Mills, soprano; Karl Kilinski, violinist; Mrs. T. C. Thompson, pianist; 11-12, dance program.

WHT, Chicago, Ill. (399.8m-750kc), 6:15 p. m., Al Carney, organist; Eleanor Gilmour, soprano; 7:45 (238m-1260kc), Stuart Dawson; 9:30 (399.8m-750kc), Kenneth Clark and his Hawaiians; 10, Betty Rose, Oscar Heather; 10, your hour league.

WIBO, Chicago, Ill. (226m-1330kc), 6 p. m., early evening musicale; 10-2, Oriole orchestra; Cook Sisters; Howard Neumiller; 12-2, Jamboree program.

WJJD, Mooseheart, Ill. (370.2m-810kc), 5:45-7 p. m., dinner concert; Howard Peterson, organist; Palmer House symphony players; Palmer House Victorians; 8-9, child artists; 10-11, Palmer House Victorians; Jean St. Anne; Lucky Wilbur; 12:30 a. m., Settin' Up hour.

WLS, Chicago, Ill. (344.6m-870kc), 6 p. m., supper-bell program; 6:55, Si Spencer monologue; 7, Rae and Lee; 7:15, duo; 7:30, Ralph Emerson, organist; 8, Rae and Lee; 8:10, orchestra; 8:20, Al Holden, football talk; 8:30, Grace Wilson, contralto; 8:40, Max Cahn, violinist; 9, WLS trio; 10, Rae and Lee; 11, popular music.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, Wide-Awake club; 8, George Simons, tenor; 8:30, W. H. Crawford; 9, Ethel Levyn, violinist; 9:50, WMAQ air line.

WMBB, Chicago, Ill. (250m-1200kc), 7-8 p. m., Trianon duo; Veronica Krebs; Norman Harte, baritone; 9-12, Trianon orchestra; Sandy McTavish; Bob Bennett.

WMC, Memphis, Tenn. (499.7m-600kc), 8 p. m., Mississippi Valley facts; 8:30, Cooper Cord entertainers; 11, Harry O. Nichols, organist.

WOAI, San Antonio, Texas (394.5m-760kc), 8:30 p. m., San Antonio college of music program.

WOAW, Omaha, Neb. (526m-570kc), 6:50 p. m., orchestra; 9, Red Feather program.

WOC, Davenport, Iowa (483.6m-620kc), 8-8:30 p. m., WEAF; 8:30-9, John Gerwe, tenor; Erwin Swindell, pianist; 9-9:30, WEAF; 9:30-10:30, Mrs. Frank W. Elliott, organist; Bernard Regan, baritone; Mrs. R. M. Harper, soprano.

WOK, Chicago, Ill. (217.3m-1380kc), 6-8 p. m., Tip Top Inn string ensemble concert; 8-12 p. m., Capitol theater organ; Midway Garden orchestra; studio program.

WORD, Batavia, Ill. (275m-1090kc), 9 p. m., program.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Gardens orchestra, artists; 10-3, Harry Geise; Jack Jazz Klein; Martha Biehl.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., concert; 10:45, concert.

WSM, Nashville, Tenn. (282.8m-1060kc), 6:30 p. m., Andrew Jackson hotel orchestra; 8, Mrs. Thompson Brown, soprano; 10, studio program; 10:30, Arthur Henkel, organist.

WSOE, Milwaukee, Wis. (245.8m-1220kc), 8:45 p. m., book review; 9, Wisconsin Humane society.

Mountain Time Stations

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra; 8, KOA orchestra; 8:15, scientific football; 8:25, Ralph Freese, tenor; Margaret Henderson, pianist; F. A. Franklin, reader; Ina Rains, soprano; Frank Fowler, cellist; Iris Ruth Gilmore, reader; G. Ralph Crowder, pianist; Hulda Helen Edwards, soprano.

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-7:30 p. m., Carol Maier, soprano; 7:30-8, Felipe Delgado's medio hora espanola; 8-9, Aeolian organ; 9-10, Westerland trio; 10-11, Packard ballad hour.

KFWB, Hollywood, Calif. (252m-1190kc), 6-7 p. m., Pontiac dinner hour; 8-9, program, Bert Farar, Inc.; 9-10, studio program; 10-11, Warner Brothers frolic.

KGO, Oakland, Calif. (361.2m-830kc), 6 p. m., Stanislas Bem's Little symphony; 8, Christian Science lecture.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-9, musical entertainment; 10-12, midnight frolic, Keep Growing Wiser Order of Hoot Owls, Pantages stars and features.

KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., children's hour, Uncle John; 8-9, Girls' Corner club; 9-10, studio program; 10-11, Paulus syncopators.

KLX, Oakland, Calif. (509m-589kc), 8-9:15, Western Auto Supply company; 9:45-10:30, Athens Athletic club orchestra.

KNX, Hollywood, Calif. (336.9m-890kc), 6-7 p. m., Atwater Kent orchestra; 7-8 p. m., program, Velvetone Radio corp.; 8-9, program, Frank Melne company; 9-10, Order, Optimistic Donuts; 10-11, program, Dickenson and Gillespie; 11-12, Ambassador hotel dance orchestra.

KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7 p. m., States Restaurant orchestra; 8:30-9, Kane's Hawaiians; 9-10, Palace hotel dance orchestra; 10-11, States Restaurant orchestra; 11-12, Clift hotel dance orchestra.

Saturday, October 2

Headliners Today

Eastern	Central	Mountain	Pacific
3:30 p.m.	2:30	1:30	12:30

WBZ (333.1m-900kc), Football game, Harvard-Geneva.

4	3	2	1

KUOA (299.8m-1000kc), Football game, Mississippi-Arkansas.
WGN (302.8m-990kc), Football game, Northwestern-South Dakota.
WJZ (454.3m-660kc), Football game, Princeton-Amherst.
WMAQ (447.5m-670kc), Football game, Chicago-Florida.

9:30	8:30	7:30	6:30

WSMB (319m-940kc), "Back to the Land of Memory" program.

10	9	8	7

WOC (483.6m-620kc), Old-Time Fiddlers.

10:30	9:30	8:30	7:30

WBAP (475.9m-630kc), Little symphony.
WRC (468.5m-640kc), Kitt hour of music.

12	11	10	9

KFNF (461.3m-650kc), Old-time music.

Saturday, silent night for: CFCA, KFDM, KFUO, KOA, KTAB, KUOA, KWWG, WBAL, WCAL, WCAU, WCBD, WCX, WEBJ, WEEI, WEMC, WGBF, WGCP, WGHB, WGHP, WGR, WHA, WHAD, WHB, WHN, WHO, WJAR, WLWL, WOAI, WOS, WRVA, WTAG, WTIC, WWJ.

Eastern Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 6:15 p. m., Flotilla club; 8, Westinghouse employees' band.

PWX, Havana, Cuba (399.8m-750kc), 8:30-11 p. m., Typical Cuban concert.

WAAM, Newark, N. J. (263m-1140kc), 6 p. m., Johnnie Busso's jazz and Hawaiian trio; 6:35, jazz and Hawaiian trio; 10:30, Four Towers orchestra.

WAHG, Richmond Hill, N. Y. (315.6m-950kc), 12 midnight, Mita Wenzoff's concert orchestra.

WBZ, Springfield, Mass. (333.1m-900kc), 6:15 p. m., Arthur Clifton; 6:30, Hotel Kimball trio; 7:05, Capitol theater orchestra; 7:30, musicale; 8, Robert Whitcomb, organist; 9, musicale.

WCAE, Pittsburgh, Pa. (461.3m-650kc), 6:30 p. m., William Penn hotel orchestra; 8, Wheeling, W. Va., chamber of commerce.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 5 p. m., recital; 5:15, undenominational church services; 5:30, sermon, Rev. John W. Stockewell; 6:30, Pennsylvania hotel orchestra.

WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., dinner program, Goldkette ensemble.

WDBO, Winter Park, Fla. (239.9m-1200kc), 8:20 p. m., Mary Stonoff, violinist; Madeline Malleum, pianist; 9, Winter Park chamber of commerce program; 10, variety hour; 11, Owens and Willox popular request hour.

WEAF, New York, N. Y. (491.5m-610kc), 5-12 midnight, Frank Farrell and his Greenwich Village Inn orchestra; Al Lentz' Midtown Hofbrau orchestra; musical comedy, WEAF light opera company; Savoy orchestra; Ben Bernie's hotel Roosevelt orchestra; Rolfe's Palais D'Or orchestra.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:45 p. m., Adelphia Roof Garden orchestra; 8, Piotr Wizla, Polish baritone.

WGBS, New York, N. Y. (315.6m-950kc), 6:30 p. m., Josephine and John Crowley, piano and violin; 7:25, Ora Lee and Helen Wood, personality duets; 7:45, George Hall and his Royal Arcadians; 10:30, Arrowhead Inn dance orchestra.

WGY, Schenectady, N. Y. (379.5m-790kc), 7:30 p. m., Shea's Buffalo hour; 10:30, dance program.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Jean Goldkette's Petite symphony orchestra; soloists; 7:30, Lagoona Gondoliers; 9, studio program; 11:30, Merry Old Chief and Jewett Radio Jesters.

WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Waldorf Astoria orchestra; 8, Don Voorhees orchestra.

WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., Johanna Grosse, organist; 7:30, Seckatary Hawkins Radio club; 8, Dayton Radio show.

WMAK, Buffalo, N. Y. (266m-1130kc), 7:30 p. m., Shea's Buffalo theater; 8:30, musicale.

WMCA, New York, N. Y. (340.7m-880kc), 7:30 p. m., Monte Carlo by the Sea orchestra; 9, Broadway Merchants' association; 11, Hotel McAlpin orchestra; 12, McAlpin entertainers.

WNYC, New York, N. Y. (526m-570kc), 7:15 p. m., Herman Newman, soloist.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Hotel Sylvania dance orchestra.

WOR, Newark, N. J. (405.2m-740kc), 6:15 p. m., Jacques Jacobs' Hotel Shelton ensemble; 6:45, Bill Wathey in sports; 7, Jacques Jacobs' Hotel Shelton ensemble; 7:30, Chateau Baltusrol orchestra.

WRC, Washington, D. C. (468.5m-640kc), 7:30 p. m., Hotel Washington orchestra; 8:30, announced; 10:30, Kitt hour of music; 11:15, organ recital, Otto F. Beck.

WSAI, Cincinnati, Ohio (325.9m-920kc), 8 p. m., Bicycle playing card sextet; 9, musicale; 12, popular midnight program.

WTAM, Cleveland, Ohio (389.4m-770kc), 7:30 p. m., studio program; 8, Hollenden hotel orchestra; 9, vaudeville program; Ev Jones' Merrymakers, entertainers.

WTIC, Hartford, Conn. (475.9m-630kc), 7 p. m., Bristol company banquet; 8:30, American Legion program.

Central Time Stations

KFAB, Lincoln, Neb. (340.7m-880kc), 5:30-6:30 p. m., dinner concert; 8:30-10:30, Harmony boys, vocal and piano, orchestra entertainment.

KFNF, Shenandoah, Iowa (461.3m-650kc), 7 p. m., Mrs. Edith Wright; 11, old time music.

KLDS, Independence, Mo. (440.9m-680kc), 8 p. m., Jack Custead, director.

KMA, Shenandoah, Iowa (461m-650kc), 9-11 p. m., Greenlee Brothers; Jack Todd.

KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., dinner time recital; 7, Little Red Schoolhouse; 8, KMOX Radio orchestra; 9, KMOX players; 9:30, orchestra; Mrs. Aurelia Galliker, soprano; 10, dance.

KOIL, Council Bluffs, Iowa (305.9m-980kc), 6 p. m., Radio Pioneers; 6:30, McCrory's music period; 7:30, John Halpine, tenor; Mrs. Henry Schneider, contralto; Virginia Halpine, soprano; John Jemieson, bass; 11, staff artists.

KPRC, Houston, Texas (296.9m-1010kc), 7:30 p. m., Bible class; 8, Frank Tilton, pianist.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10-10 p. m., dance concert, Meyer Davis orchestra; 10-10:30, special attractions.

KYW, Chicago, Ill. (535.4m-560kc), 5:30 p. m., dinner concert, Joska DeBabary and his orchestra; 6, family hour; 7-8, musical program; 8-9:30, classical concert; 9:30-11, Congress carnival.

WBAP, Fort Worth, Texas (475.9m-630kc), 7:30-8 p. m., Sunday school lesson; 8-8:30, Fort Worth club orchestra; 9:30-11, Alfred Broward's Little symphony.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6:15 p. m., Nicollet hotel orchestra; Evelyn Neitzling, contralto; Margaret Flesher, soprano; 8:15, Lowry male quartet; 9, American Legion Auxiliary octet; 10:05, Wallie Erickson's Coliseum orchestra; Aileen Stanley, entertainer; Gerhard Sisters.

WCFL, Chicago, Ill. (491.5m-610kc), 6:30-7:30 p. m., Florentine string trio, dinner music; 7:30-8:30, Johnson Sisters, harmony; Clarence Sullivan, Irish tenor; 8:30-10, Hickey and Johnson, Hawaiians; Little Joe Warner, character songs; 10-1 a. m., Alamo dance orchestra, entertainers.

WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., school of the air; 8, around the town with WDAF; Jack and Jill; 11:45-1, Nighthawk frolic.

WFAA, Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m., Jimmy Joy's Baker hotel orchestra; 8:30-9:30, Sarah Hopkinson, singer; 11-12, Jack Gardner's Adolphus hotel orchestra.

WGN, Chicago, Ill. (302.8m-990kc), 6:35-7 p. m., dinner music, Drake concert ensemble, Blackstone string quintet; 8-8:10, "Auld Sandy"; 8:10-8:20, concert ensemble; 8:20-8:30, Correll and Gosden; 8:30-9, musical program; 9-10, light opera period; 10, Sam 'n' Henry; 10:10, The Music Box; 10:40-11, Correll and Gosden.

WHAD, Milwaukee, Wis. (275m-1090kc), 6:10 p. m., dinner hour program.

WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., vocal and instrumental concert, Arthur Findling, baritone.

WHT, Chicago, Ill. (399.8m-750kc), 6 p. m., Al Carney, organist; Cyril Allen, 'cellist; 7:45 (238m-1260kc), Stuart Dawson; 9:30 (399.8m-750kc), Brown and Craig; Matthews Sisters; 10, John Norton, harmonica soloist; Clementine Degama, blues singers; 12, your hour league.

WIBO, Chicago, Ill. (226m-1330kc), 6-8 p. m., Oscar Heather, smiling tenor; Walter Preston.

WJJD, Mooseheart, Ill. (370.2m-810kc), 5:45-7 p. m., dinner concert; Howard Peterson, organist; symphony players; Victorians; 8-9, Gail Bandell, George Hill; 10-11, Gail Bandell, Victorians; 12-1 a. m., Settin' Up hour.

WLS, Chicago, Ill. (344.6m-870kc), 6:40 p. m., Maurie Sherman's orchestra; 6:55, Si Spencer; 7:15-12, national barn dance.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, orchestra; 8, musical potpourri; 8:30, photologue, Gov. Smith of New York; 9, Chicago theater Radio revue.

WMBB, Chicago, Ill. (250m-1200kc), 7-8 p. m., Trianon ensemble; John Stamford; 9-12, Trianon orchestra; Jimmie Eggert; Jack Goodwin; Arthur Truesdale; Heavenly Twins.

WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., musicale.

WOAW, Omaha, Neb. (526m-570kc), 6:50 p. m., orchestra; 9, program.

WOC, Davenport, Iowa (483.6m-620kc), 9-10 p. m., old time fiddlers.

WOK, Chicago, Ill. (217.3m-1380kc), 6-8 p. m., Tip Top Inn string ensemble concert; 8-12 p. m., Capitol theater organ; Midway Garden orchestra; studio program, dance orchestras.

WORD, Batavia, Ill. (275m-1090kc), 7 p. m., Webster hotel concert program; 9, Little Journey talk, Chicago Motor club.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Gardens orchestra; Rodeheaver quartet; 10-3, Rainbo Gardens frolic; Paul Small.

WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., Atlanta Atwater Kent hour; 10:45, Journal hired help.

WSM, Nashville, Tenn. (282.8m-1060kc), 6:30 p. m., Andrew Jackson hotel orchestra; 8, barn dance program.

WSMB, New Orleans, La. (319m-940kc), 8:30-10:30 p. m., "Back to the Land of Memory" program; Ray McNamara, pianist; Bob Aguilerr, accordionist; Ernest Guedry, banjoist.

WSOE, Milwaukee, Wis. (245.8m-1220kc), 7:30 p. m., dinner concert; 9:30, Elks club studio.

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Geo. O'Hare and his uke, and others; 8-9, Angelus string quartet; Paul Roberts, soloist; 9-10, Leo Rabitz, violinist; 10-11, Packard Radio club; 11-2 a. m., KFI midnight frolic.

KFWB, Hollywood, Calif. (252m-1190kc), 6-7 p. m., Pontiac dinner hour; 8-9, Bill Hatch and his orchestra; Dan Gridley, tenor; 9-10, studio program; 10-11, Warner Brothers frolic.

KGO, Oakland, Calif. (361.2m-830kc), 9-1 a. m., Hotel Whitcomb band; Frank Gibney, tenor.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 10-12, Herman Kenin and his orchestra; Punch Green, solos.

KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., children's hour, Uncle John; 8-10, news items, Times de luxe program.

KNX, Hollywood, Calif. (336.9m-890kc), 7:30-9 p. m., feature studio program; 9-10, program, Rondith corporation; 10-11, Ambassador hotel dance orchestra; 11-2 a. m., Hollywood nite frolic.

KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7:20 p. m., States Restaurant orchestra; 8-10, Mandarin Cafe orchestra; 10-12, Clift hotel dance orchestra.

KPSN, Pasadena, Calif. (315.6m-950kc), 8-9 p. m., Star-News instrumental ensemble.

DANCING
Central Time

Monday
8, Wgep; 9, Wjar, Wor; 9:15, Wahg; 10, Kths, Wgep, Wgr, Wnyc, Wpg; 10:15, Wor; 10:30, Wgep, Who; 11, Kgw, Koil, Wgbs, Wgep, Wgr, Whn, Who, Wjaz; 11:45, Wdaf; 12, Knx, Kpo.

Tuesday
10:15, Kths; 10:30, Kths, Whn; 10:45, Wsb; 11, Kgw, Koil, Wgbu, Whn, Wjaz; 11:45, Wdaf; 12, Kgw, Khj, Knx, Kpo, Wdaf, Wjaz; 1, Wqj.

Wednesday
9:15, Wbbm; 9:30, Whap, Who, Wor; 10, Kfve, Wbap, Weaf, Wgbu, Wgep, Wjaz, Wqj; 10:05, Wcco; 10:30, Whap, Whn; 11, Kmox, Koil, Kpo, Webh, Wgbu, Wgep, Wgr, Whn, Wjaz; 11:45, Wdaf; 12, Kfwb, Knx, Kpo, Wjaz, Wjjd.

Thursday
8, Wjr; 9, Webh, Weel, Whn, Wjr, Wmbb, Wsai, Wtas; 9:05, Wbz, Wip; 9:30, Webh, Wgy, Whn; 9:35, Wnyc; 10, Kths, Wbbm, Weaf, Wgbu, Whn, Wgep, Wpg, Wqj; 10:30, Kths, Whn, Webh, Wgbu, Who, Wor; 11:45, Wdaf; 12, Kgo, Khj, Knx, Kpo, Wjjd.

Friday
8, Wjr; 9, Wex, Webh, Weel, Whn, Wgep, Wmbb; 9:15, Wahg; 9:30, Wip; 10, Kpo, Weau, Wjr; 11, Wgep, Kths, Whn, Wgr, Wqj.

Saturday
9, Webh, Wjar, Wmbb, Wnyc, Wgep; 9:10, Kths, Wip; 9:30, Kths, Wgbs, Wor, Wgr; 10, Kmox, Kfwo, Kpo, Weaf, Wen, Wjr, Wkrc, Wmca, Wor, Wqj, Wren; 10:05, Weeo, 9; Wamd; 10:15, 11, Wfwa, Kfwb, Webh, Wfaa, Who, Wor; 11:30, Kfos, Wdaf; 12, Kgo, Knx, Wgbu, Wjaz.

FARMER'S PROGRAM INDEX

Farmer Dinner Concerts

Daily Except Sunday

CENTRAL TIME
KFNF, 12:30 p. m.
KMA, 11:30-12:30
KSO, 12:30-1:30 p. m.

Sunday

Eastern	Central	Mountain	Pacific
3:30 p.m.	2:30	1:30	12:30

WFAA (475.9m-630kc), Sunday hour for farmers.

Monday

Eastern	Central	Mountain	Pacific
11 a.m.	10	9	8

KMMJ (228.9m-1310kc), Poultry talks.

1 p.m.	12	11	10

WCCO (416.4m-720kc), Farm hour.

1:10	12:10	11:10	10:10

WMAQ (447.5m-670kc), Prairie Farmer farm talks.

1:13	12:13	11:13	10:13

WHO (526m-570kc), Radio farm school.

1:30	12:30	11:30	10:30

KMA (461.3m-650kc), Farm talk, agricultural aid.

1:45	12:45	11:45	10:45

WOI (270.1m-1110kc), Questions and answers on horticulture.

7:45	6:45	5:45	4:45

WSM (282.8m-1060kc), Poultry talks.

8	7	6	5

WOS (440.9m-680kc), Livestock questions and answers.

8:30	7:30	6:30	5:30

KUOA (299.8m-1000kc), Farm courses. Oct. 4, "Fairs," "Dairying in Baxter County," "Arkansas' Farm Timber Crop." Oct. 11, "Marketing Truck Crops," "The Farm Journal."

WMC (499.7m-600kc), Farm talk.

9	8	7	6

KFNF (461.3m-650kc), Poultry talk.

9:30	8:30	7:30	6:30

WFAA (475.9m-630kc), Sears-Roebuck program.

Tuesday

Eastern	Central	Mountain	Pacific
11	10	9	8

KMMJ (228.9m-1310kc), Poultry talks.

1:10	12:10	11:10	10:10

WMAQ (447.5m-670kc), Prairie Farmer farm talks.

1:13	12:13	11:13	10:13

WHO (526-570kc), Radio farm school.

1:30	12:30	11:30	10:30

KMA (461.3m-650kc), Agricultural aid.

1:45	12:45	11:45	10:45

WOI (270m-1110kc), "Animal Husbandry."

6:45	5:45	4:45	3:45

WGY (379.5m-790kc), Agricultural program.

8	7	6	5

KYW (535.4m-560kc), American Farm Bureau Federation.

9:30	8:30	7:30	6:30

KOA (322.4m-930kc), Farm question box.

Eastern	Central	Mountain	Pacific
10:10	9:10	8:10	7:10

WOAW (526-570kc), Poultry, pig troubles.

Wednesday

Eastern	Central	Mountain	Pacific
1 p.m.	12 n.	11	10

WCCO (416.4m-720kc), Farm hour.

1:10	12:10	11:10	9:10

WMAQ (447.5m-670kc), Prairie Farmer farm talks.

1:13	12:13	11:13	10:13

WHO (526-570kc), Radio farm school.

1:30	12:30	11:30	10:30

KMA (461.3m-650kc), Agricultural aid.
WFAA (475.9m-630kc), Sears Roebuck agricultural program.

1:45	12:45	11:45	10:45

WCCO (416.4m-720kc), Oct. 6, Egg laying contest.

1:45	12:45	11:45	10:45

WOI (270.1m-1110kc), Poultry husbandry.

8	7	6	5

WOS (440.9m-680kc), Evening market hour, poultry questions and answers.

12	11	10	9

KGO (361.2m-830kc), Oct. 6, "The Opportunities for Agricultural Export to the Orient."

Thursday

Eastern	Central	Mountain	Pacific
1 p.m.	12 n.	11	10

WCCO (416.4m-720kc), Farm hour.

1:10	12:10	11:10	10:10

WMAQ (447.5m-670kc), Prairie Farmer farm talks.

1:13	12:13	11:13	10:13

WHO (526m-570kc), Radio farm school.

1:15	12:15	11:15	10:15

WOI (270m-1110kc), Farm crops.

1:30	12:30	11:30	10:30

KMA (461.3m-650kc), Agricultural aid.

8:30	7:30	6:30	5:30

WOI (270m-1110kc), Farm crops.

8:33	7:33	6:33	5:33

KYW (535.4m-560kc), American Farm bureau.

9:30	8:30	7:30	6:30

KOA (322.4m-930kc), Farm question box.

Friday

Eastern	Central	Mountain	Pacific
1:10 p.m.	12:10	11:10	10:10

WMAQ (447.5m-670kc), Prairie Farmer farm talks.

1:13	12:13	11:13	10:13

WHO (526m-570kc), Radio farm school.

1:15	12:15	11:15	10:15

WCCO (416.4m-720kc), Farmers' program.

1:30	12:30	11:30	10:30

KMA (461.3m-650kc), Agricultural aid.

1:45	12:45	11:45	10:45

WOI (270m-1110kc), Agricultural economics.

7	6	5	4

WTIC (475.9m-630kc), Farm course, Agricultural college.

8	7	6	5

WOS (440.9m-680kc), Evening market hour, dairy questions and answers.

8:30	7:30	6:30	5:30

WOC (483.6m-620kc), Question box.

Sunday, October 3

Headliners Today

Eastern	Central	Mountain	Pacific
6:20 p.m.	5:20	4:20	3:20

WEAF (491.5m-610kc), WEEI (348.6m-860kc), WRC (468.5m-640kc), WWJ (352.7m-850kc), KSD (545.1m-550kc), WCAE (461.3m-650kc), Capitol family.

Eastern	Central	Mountain	Pacific
8:15	7:15	6:15	5:15

WEAF (491.5m-610kc), WEEI (348.6m-860kc), WSAI (325.9m-920kc), WGR (319m-940kc), WWJ (352.7m-850kc), WGN (302.8m-990kc), WCCO (416.4m-720kc), KSD (545.1m-550kc), WTAM (389.4m-770kc), WRC (468.5m-640kc), WFI (394.5m-760kc), WCAE (461.3m-650kc), WOC (483.6m-620kc), WTAG (545m-550kc), Anna Case.

10	9	8	7

KTHS (374.8m-800kc), Classic hour.

10:15	9:15	8:15	7:15

WCCO (416.4m-720kc), Chippewa Indians program.

12	11	10	9

KFWB (252m-1190kc), Movie frolic.
KGO (361.2m-830kc), Little symphony concert.
WHO (526m-570kc), Midnite frolic.

Sunday, silent night for: CKAC, CKNC, CNRA, CNRC, CNRE, CNRM, CNRO, CNRR, CNRT, CNRV, CNRW, KFXF, KMA, KWWG, PWX, WAHG, WCFL, WDAF, WEBJ, WFI, WGBF, WGHB, WGHP, WHAD, WHAS, WJJD, WJR, WLIT, WLWL, WMAQ, WMC, WNYC, WOI, WOO, WOOD, WOR, WREC, WSMB, WRVA, WTIC.

Eastern Time Stations

CFCA, Toronto, Can. (356m-840kc), 11 a. m., service; 7 p. m., service.

KDKA, Pittsburgh, Pa. (309.1m-970kc), 11 a. m., Point Breeze Presbyterian church; 7:45, Calvary Episcopal church.

WBZ, Springfield, Mass. (333.1m-900kc), 7:30 p. m., Boris Kreinin, director; Aidan Redmond, baritone; 8, Rupert Sircom, organist; Hildegard Berthold, 'cellist; 9, Golden Rule hour; 10, Maxwell House coffee ensemble.

WCX, Detroit, Mich. (516.9m-580kc), 7:15 p. m., Central Methodist Episcopal church.

WDBO, Winter Park, Fla. (239.9m-1200kc), 7:30 p. m., services.

WEAF, New York, N. Y. (491.5m-610kc), 5:30-6 p. m., Walter Hassler, pianist; 6-7:20, orchestra; 7:20-9:15, Capitol theater; 9:15-10:15, Atwater Kent Radio hour.

WEEI, Boston, Mass. (348.6m-860kc), 10:45 a. m., First Church of Christ, Scientist; 2 p. m., Sanger's hour of hospitality; 7:20, WEAF; 9:15, WEAF; 9:45, Keith's theater.

WEMC, Berrien Springs, Mich. (315.6m-950kc), 11 a. m., studio choir, services; Ellis Maas, bass; 8:15 p. m., Paul Schubert, pianist; Ellen Acton, soprano; services.

WFI, Philadelphia, Pa. (394.5m-760kc), 10:30 a. m., services, Arch st. M. E. church.

WGR, Buffalo, N. Y. (319m-940kc), 10:45 a. m., Westminster Presbyterian church; 7:45, Central Presbyterian church; 9:15-10:15, WEAF.

WGY, Schenectady, N. Y. (379.5m-790kc), 10:30 a. m., First Presbyterian church; 7:30 p. m., First Presbyterian church; musical program.

WHN, New York, N. Y. (361.2m-830kc), 6:30 p. m., Libby's Hotel orchestra; 7:30, Calvary Baptist church evening services.

WJAR, Providence, R. I. (485m-618kc), 7:20 p. m., WEAF; 9:15, musicale.

WJR, Pontiac, Mich. (516.9m-580kc), 10 a. m., First Baptist church; 10 p. m., special song service.

WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Park Avenue Baptist church; 9, Godfrey Ludlow; 10:15, Maxwell House coffee hour.

WLIT, Philadelphia, Pa. (394.5m-760kc), 2:15 p. m., Arcadia cafe concert orchestra.

WLW, Cincinnati, Ohio (422.3m-710kc), 7:30 p. m., First Presbyterian church; 8:30, Crosley Salon orchestra.

WMAK, Buffalo, N. Y. (266m-1130kc), 10:25 a. m., First Presbyterian church; 7:45, Churchill Tabernacle.

WMCA, New York, N. Y. (340.7m-880kc), 7 p. m., Hotel McAlpin orchestra; 7:30, Hotel McAlpin string ensemble; 9, Broadway Merchant's association.

WOO, Philadelphia, Pa. (508.2m-590kc), 10:30 a. m., services, Bethany Presbyterian church; 2:30 p. m., musical exercises, Bethany Sunday school.

WOR, Newark, N. J. (405.2m-740kc), 6:15 p. m., Jacques Jacobs' Hotel Shelton ensemble; 7, Jacques Jacobs' Hotel Shelton ensemble; 7:30, Brooklyn Daily Eagle program; 9, Klein's Serenading Shoemakers.

WRC, Washington, D. C. (468.5m-640kc), 11 a. m., services; 4 p. m., Peace Cross Services; 6:20, WEAF; 8:15, WEAF.

WSAI, Cincinnati, Ohio (325.9m-920kc), 11 a. m., Presbyterian church; 4 p. m., Y. M. C. A.; 8:45, chimes; 9, Radio sermonette; 9:15, WEAF.

WTAM, Cleveland, Ohio (389.4m-770kc), 11 a. m., Church of the Covenant; 4 p. m., musicale; 6, Hollenden hotel orchestra; 7, Park theater orchestra; 8, twilight musicale.

WWJ, Detroit, Mich. (352.7m-850kc), 10 a. m., St. Paul's Cathedral; 2 p. m., News orchestra; 7:20, WEAF; 9:15, WEAF.

Central Time Stations

KFAB, Lincoln, Neb. (340.7m-880kc), 9-11 p. m., Sunday evening musical.

KFNF, Shenandoah, Iowa (461.3m-650kc), 10:45 a. m., First M. E. church; 2:30 p. m., Seed House song service; 4, Church Hepburn; 6:30, Golden Rule circle; 8, services.

KLDS, Independence, Mo. (440.9m-680kc), 11 a. m., studio service; 1 p. m., KLDS Radio church; 6:30, Radio vesper service.

KMA, Shenandoah, Iowa (461m-650kc), 4:45 p. m., Men's Gospel team.

KMOX, St. Louis, Mo. (280.2m-1070kc), 9 p. m., Skouras Brothers Sunday night club; 10, weather.

KOIL, Council Bluffs, Iowa (305.9m-980kc), 11 a. m., First Congregational church; 7, Kiddies' hour; 7:30, Charlestonians; 11, Lyric serenaders.

KPRC, Houston, Texas (296.9m-1010kc), 11 a. m., services; 7:30 p. m., services; 9:30, studio concert; 11, Texan theater organ concert.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 11 a. m., First Baptist church; 9-10 p. m., classic hour, Meyer Davis ensemble; 10-11, Arkansas Traveler frolic; 11-12, Lawson Reid, organist.

KYW, Chicago, Ill. (535.4m-560kc), 10 a. m., Second Presbyterian church; 3:30 p. m., studio program; 8:30-10, classical concert.

WBAP, Fort Worth, Texas (475.9m-630kc), 11 a. m., First Methodist church; 9:30-11, Sorin-White Top of Texas orchestra.

WCBD, Zion, Ill. (344.6m-870kc), 8 p. m., Zion junior choir; Lavon Paul Miller, vocalist; Mrs. S. D. Inman, soprano.

WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 10:50 a. m., Westminster Presbyterian church; 4:10 p. m., House of Hope Presbyterian church; 6:20, Second Church of Christ, Scientist; 8:15, WEAF; 9:15, Chippewa Indians; 10:30, Hugo Philler Goodwin, organist.

WDAF, Kansas City, Mo. (365.6m-820kc), 3-4 p. m., Star's orchestra; 4-4:45, WDAF's Sabbath vespers.

WFAA, Dallas, Texas (475.9m-630kc), 6-7 p. m., Radio Bible class; 7:30-8:30, First Baptist church; 8:30-9:30, Willard H. Muse, tenor; Ruth Muse, contralto; 11-12, Ligon Smith's orchestra.

WGN, Chicago, Ill. (302.8m-990kc), 12-1 p. m., Uncle Walt; 1-2, Ambrose Larsen, organist; 2-3, Lyon and Healy artist recital; 3-5, musical program; 6:45-7, string quintet and soloists; 7-7:20, The Million Song; 7:20-7:30, Old Fashioned Almanack; 7:30-8, Drake concert ensemble; Correll and Gosden; 8-8:15, ensemble, string quintet; 8:15-8:45, WEAF; 9-10, Music Room; 10, Sam 'n' Henry; 10:30-11, artists, Correll and Gosden.

WHAD, Milwaukee, Wis. (275m-1090kc), 3:15 p. m., musical program from Turnverein.

WHAS, Louisville, Ky. (399.8m-750kc), 10 a. m., Fourth Avenue Presbyterian church; 4:30-5:30, choral evensong service, Christ Church cathedral.

WHB, Kansas City, Mo. (365.6m-820kc), 7 p. m., sermon; 8-9, evening service; 11:15-1, Linwood theater Radio feature, Don Anchors, poet.

WHO, Des Moines, Iowa (526m-570kc), 11 a. m., University Church of Christ Church; 5-6 p. m., Bankers Life Little symphony orchestra; 7:30-8:30, Hotel Fort Des Moines orchestra; 11-12, musicale.

WHT, Chicago, Ill. (399.8m-750kc), 11 a. m.-11:30 p. m., Paul Rader.

WIBO, Chicago, Ill. (226m-1330kc), 10 a. m., M. E. church; 2-4 p. m., Young American artists; 6-8, dinner concert.

WJJD, Mooseheart, Ill. (370.2m-810kc), 8:15-9:15 a. m., Roman Catholic services; 9:30-10:30, Protestant services; 1-2 p. m., Howard Peterson, organist; 2-2:30, Bible class; 2:30-3, sacred song service; 3, popular concert; 4-5, Palmer House symphony orchestra.

RAE AND LEE NEW FEATURE AT WLS

Biggest little band in Radioland is the name given to Len Nash and his Country Boys, above, of KNX. The four boys play nearly twenty different instruments. Doubling in brass is an inadequate description of what the chap at the left of the picture does. Barbara Fones Neely, left, is a much admired artist at WLW. She is a gold medalist from the Cincinnati College of Music and the wife of Uberto Neely of the faculty of that institution.

WLS, Chicago, Ill. (344.6m-870kc), 6-7:55 p. m., WLS Little Brown church.
WMBB, Chicago, Ill. (250m-1200kc), 3-5 p. m., Trianon orchestra; John Stamford; 7:40-9, service; 9-12, Trianon orchestra; Lombards, Harry and Leila; Bob Smith; Eddie Wallace; Monte Blunn; Bob Bennett.
WMC, Memphis, Tenn. (499.7m-600kc), 11 a. m., First Baptist church.
WOAI, San Antonio, Texas (394.5m-760kc), 11 a. m., First Presbyterian church; 7:45, Central Christian church.
WOAW, Omaha, Neb. (526m-570kc), 9 a. m., chapel service, Christian and Missionary alliance; 1:30 p. m., Father Flanagan's Boys' home period; 2:30, old time songs; 9, services.
WOK, Chicago, Ill. (217.3m-1380kc), 6-8 p. m., Tip Top Inn string ensemble concert; 8-12 m., Capitol theater organ; orchestras, studio program.
WORD, Batavia, Ill. (275m-1090kc), 7 p. m., Webster hotel duo orchestra; 9, I. B. S. A. choral singers.
WQJ, Chicago, Ill. (447.5m-670kc), 3-4 p. m., song cycle, "Persian Garden"; Charles F. Champlain, bass; North Shore quartet; 8-10, Rainbo Gardens orchestra; Frederick Mueller, tenor; Fontello trio.
WSB, Atlanta, Ga. (428.3m-700kc), 8 p. m., First Methodist church.
WSM, Nashville, Tenn. (282.8m-1060kc), 10:30 a. m., First Presbyterian Church.

Mountain Time Stations

KOA, Denver, Colo. (322.4m-930kc), 11 a. m., Augustana Lutheran church; 5:30 p. m., Mrs. S. Clarence Trued, organist; Arthur Knott, violinist; 7:30, Augustana Lutheran church.

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Solomon's orchestra; 8-9, Aeolian organ; 9-10, Bob Bottger's Venetians; 10-11, Packard Six dance orchestra.
KFWB, Hollywood, Calif. (252m-1190kc), 9-11 p. m., late news, Warner Brothers Sunday night movie frolic.
KGO, Oakland, Calif. (361.2m-830kc), 11 a. m., First Methodist Episcopal church; 4 p. m., vesper service; 6:30-7:30, Stanislas Bem's Little symphony; 7:35, First Methodist Episcopal church; 9-10, Stanislas Bem's Little symphony orchestra.
KGW, Portland, Ore. (491.5m-610kc), 10:25-12 noon, services; 7:30-9, Hinson Memorial Baptist church; 9:30, Little symphony orchestra.
KHJ, Los Angeles, Calif. (405.2m-740kc), 7-8 p. m., services, First M. E. church of Los Angeles; 8-10, Orpheus Four male quartet; Frederick MacMurray, viola.
KNX, Hollywood, Calif. (336.9m-890kc), 6:30-7 p. m., Unitarian church service; 7-8, service, First Presbyterian church of Hollywood; 8-9, Circle theater organ and orchestra; 9-10:30, program, Beverly Hills nurseries.
KPO, San Francisco, Calif. (423.3m-700kc), 9:45-10:45 a. m., Undenominational and Nonsectarian church; 5-6 p. m., organ recital, Marshall Giselman; 6-6:30, States Restaurant orchestra; 6:35-8:35, Palace hotel concert orchestra; 8:35-10, Rudy Seiger's Fairmont hotel orchestra.
KPSN, Pasadena, Calif. (315.6m-950kc), 10:45 a. m., Pasadena Presbyterian church.

Monday, October 4

Headliners Today

Eastern	Central	Mountain	Pacific
8 p.m.	7	6	5
CHIC (356.9m-840kc), An hour with the organ.			
WHB (365.6m-820kc), Cannonball trio.			
8:15	7:15	6:15	5:15
WLMC (315.6m-950kc), Lighthouse Music Makers.			
8:30	7:30	6:30	5:30
KOIL (365.9m-980kc), Clara Kurtz and her Chocolate Cake-Eater.			
9	8	7	6
WTIC (475.9m-630kc), The Plaut Polyphonians.			
9:45	8:45	7:45	6:45
WCAU (277.6m-1080kc), Brass quartet.			
10	9	8	7
KTHS (374.8m-800kc), Versatility program.			
10:30	9:30	8:30	7:30
WBAP (475.9m-630kc), Old-Time Fiddlers.			
11	10	9	8
KOA (322.4m-930kc), "The Trained Nurse," drama.			
11:20	10:20	9:20	8:20
WOOD (242m-1240kc), "The Quest for Contentment."			
12	11	10	9
KOA (322.4m-930kc), "The Haven," comedy.			

WTIC, Hartford, Conn. (475.9m-630kc), :30 p. m., Emil Heimberger's Hotel band trio; 8:30, A. B. Clinton musical period; 9, Plaut Polyphonians.
WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 8, WEAF; 9, News orchestra.

Central Time Stations

KFAB, Lincoln, Nebr. (340.7m-800kc), 5:30-6:30 p. m., dinner concert; 8:30-10:20, variety program; Buick Master Six orchestra.
KFNF, Shenandoah, Iowa (461.3m-650kc), 7 p. m., concert, Lester Smith Harmony orchestra.
KMA, Shenandoah, Iowa (461.3m-650kc), 9-11 p. m., Farnham trio.
KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., Alice Mashin, pianist; 7, Buster Brown, quintet; Longo Sisters; 8, Colonel 6121; 9, 49th State Etherlogue; Singing Valentines; 9:30, International institute; 10, KMOX Radio orchestra; Anna Beckman, soprano.
KOIL, Council Bluffs, Iowa (305.9m-980kc), 6:03 p. m., Jack and Jill; 7:30, Clara Kurtz and her Chocolate Cake-Eater; 8, studio program; 9, Lucille's midnight syncopators; 10, Barnyard twins; 11, Jazzmanians.
KPRC, Houston, Texas (296.9m-1010kc), 7:30 p. m., studio concert; 8:30, Houstonians dance orchestra.
KTHS, Hot Springs National Park, Ark. (3748m-800kc) 9-9:45 p. m., versatility program; 9:45-10:15, Lawson Reid, organist.
WBAP, Fort Worth, Texas (475.9m-630kc). 7:30-8:30 p. m., Crimson Limited Specialty orchestra; 9:30-11, Crowley Old Time fiddlers; 11-12, Louisiana serenaders.
WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6:15 p. m., St. Paul hotel orchestra; Mabel Pelletier, contralto; 8, U. of Minnesota; 9, WEAF; 11:30, Arthur Hays, organist.
WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., school of the air; 8-9, WEAF; 9-10, WEAF; 11:45-1, Nighthawk frolic.
WFAA, Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m., Hauulea School of Hawiian music; 8:30-9:30, Sears-Roebuck Agricultural Foundation program.
WHAD, Milwaukee, Wis. (275m-1090kc), 6:15 p. m., organ recital, Arthur Richter; 8:30, Sally and her gang.
WHB, Kansas City, Mo. (365.6m-820kc), 7-8 p. m., Cannonball trio; 7:30, popular songsters.
WHO, Des Moines, Iowa (526m-570kc), 7:30-8 p. m., Philbreck's Younker tea-room orchestra; 8-9, Bankers Life trio; Myrtle Williams, soprano; 11-12, dance program.
WMC, Memphis, Tenn. (499.7m-600kc), 8 p. m., farm talk; 8:30, Brilting Cafeteria Melody makers.
WOAW, Omaha, Nebr. (526m-570kc), 6 p. m., Hugo G. Heyn, marimba; Emil Hoffman, pianist; 6:50, Joe Bauer and his Highway gardens orchestra; 9, program.
WOOD, Grand Rapids, Mich. (242m-1240kc), 8 p. m., musicale; Claude Lee, Barbara Phillips and others; Regent Little symphony orchestra; 9, piano selections; 9:30, band concert; 9:45, Wood Revelers; 10:10, miniature piano recital, Melissa Dvorak; 10:50, "The Quest for Contentment," presentation; 10:50, pianologues, dramatic readings, Lucia Gish; 11, Air Mail request hour; 12, Wild and Woolly Wood Workers' club.
WSM, Nashville, Tenn. (282.8m-1060kc), 6:30 p. m., Andrew Jackson hotel orchestra; 8, Vito and his Radio Seven; 10, studio program.
WSMB, New Orleans, La. (319m-940kc), 8:30-10:30 p. m., Black Cats orchestra; Billy Broussard, Louis Boyer, popular songsters.

Mountain Time Stations

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra; 8, Scheuerman's Colorado orchestra; 8:15, scientific football; 8:25, Elsie Erb Zimmerman, contralto; orchestra; Bert Duerniger, tenor; "The Trained Nurser," KOA players.

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Owen Fallon's Californians; 8-9, classic song recital, Maurine Dyer; 9-10, program, Walter M. Murphy Motors company, KPO, 10-11, program, Meiklejohn Brothers.
KFWB, Hollywood, Calif. (252m-1190kc), 6-7 p. m., Pontiac dinner hour; 8-9, program, Sealy Mattress company; 9-10, hour of dance music; 10-11, Warner Brothers' frolic.
KGO, Oakland, Calif. (361.2m-830kc). 6 p. m., Little symphony orchestra; 8-9, Royal hour, Arion trio; 9, chats about new books.
KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-9, concert; 10-12, Cole McElroy's orchestra.
KNX, Hollywood, Calif. (336.9m-890kc), 7:30-8 p. m., program, Overell's Furniture company; 8-9, L. W. Stockwell company program; 9-10, program, W. P. Herbert company; 10-11, Alexandria hotel dance orchestra; 11-12, Ambassador hotel dance orchestra.
KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7 p. m., States restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel concert orchestra; 8-9, Uda Waldrop hour, organ recital; 10-11, orchestra.

Tuesday, October 5

Headliners Today

Eastern	Central	Mountain	Pacific
7 p.m.	6	5	4
WLW (422.3m-710kc), American Composer series.			
7:30	6:30	5:30	4:30
WSM (282.8m-1060kc), First anniversary celebration, 6 hours.			
8	7	6	5
KFNF (461.3m-650kc), Boys' band.			
8:30	7:30	6:30	5:30
WHAS (399.8m-750kc), Zoeller's Melodists.			
9	8	7	6
WHB (365.6m-820kc), Crooning Clowns.			
9:30	8:30	7:30	6:30
WGHP (270.1m-1110kc), Novelty half hour.			
10:30	9:30	8:30	7:30
WBAP (475.9m-630kc), Excel ensemble.			
12	11	10	9
KGO (361.2m-830kc), Surprise broadcast.			
WMC (499.7m-600kc), Midnight frolic.			

Tuesday silent night for: CFCA, KFH, KFKX, KFUO, KOB, KTAB, KWWG, PWX, WAHG, WAMD, WBBR, WEMC, WGCP, WOS, WRVA, WSMB, WSUI, WTAM, WTIC.

Eastern Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 7:45 p. m., U. of Pittsburgh address; 8, sacred songs; 8:45, gems from American literature, Elbert R. Moses; 9, Ruud light opera hour; 11:35, Grand theater.
WBAL, Baltimore, Md. (246m-1220kc), 6:30-7:30 p. m., dinner orchestra; 7:30-8, Mandolin orchestra; 8-9, concert program; 9-10, City Park orchestra.
WBZ, Springfield, Mass. (333.1m-900kc), 6:30 p. m., Broadway Troubadours; 7:05, Max I. Krulee and his Hotel Westminster orchestra; 7:35, Arthur Hagan, baritone; 8:15, Mrs. Hazel Pierre, contralto; Anna Richter, pianist; Mrs. Hazel King, soprano; 9, Philip Dundon, baritone; 9:30, Copley Plaza dance orchestra.
WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30 p. m., Snellenburg instrumental trio; 8, Peter Ricci, baritone; 8:15, Gurnse Buttermaker; 8:30, Alexander Skibinsky, violinist; 9, Robert Fraser, blind gospel singer; 9:30, Charles Higgins, songs; 9:45, Professor Doolittle, humor; 9:50, Chic Griffiths and Manny LaPorte, piano fiends; 10:15, John Ambrogi, tenor; 10:30, Cathay dance orchestra.
WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., Goldkette ensemble; 10, Red Apple club.
WDBO, Winter Park, Fla. (239.9m-1200kc), 9:50 p. m., Chamber of Commerce program; 11, Jamboree, midnight gayeties.
WEAF, New York, N. Y. (491.5m-610kc), 4-12, midnight, Seamus O'Doherty, Irish tenor; Parnassus trio; Helen Larkin, soprano; Columbia University French lecture, Dr. Clark; "The Vikings"; Eveready hour; Rolfe's Palais D'Or orchestra.
WEBJ, New York, N. Y. (272.6m-1100kc), 7 p. m., Original Melville Five; 7:45, William Bisignano, accordianist; 8, Sara V. Turits, soprano; 8:15, Tindaro Cicero, tenor; 8:30, Original Moonlight Ramblers.
WEEI, Boston, Mass. (348.6m-860kc), 8-11 p. m., WEAF.
WFI, Philadelphia, Pa. (394.5m-760kc), 6:45 p. m., Adelphia Roof Garden orchestra; 8, Vikings travelogue; 8:45, Jolly Buckeye Bakers; 9, Eveready hour; 10, Moment musicale; 10:30, Al Lentz's orchestra.
WGBS, New York, N. Y. (315.6m-950kc), 7 p. m., Arrowhead Inn concert orchestra; 7:20, dance music; 8, play, auspices Episcopal Actor's Guild; 10:30, Arrowhead Inn dance orchestra.
WGHB, Clearwater, Fla. (266m-1130kc), 7:30-8:30 p. m., dinner music.
WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert, Hotel Tuller; 7:25, music; 8-8:30, musicale; 8:30-9:30, dance band; 9:30-10, novelty half hour.
WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., Lopez orchestra; 8-11:30, WEAF.
WGY, Schenectady, N. Y. (379.5m-790kc), 7:45 p. m., musical program; 8-9, musical program; 9-10, WJZ; 10, WJZ; 10:30, musical program, WMAK.
WHN, New York, N. Y. (361.2m-830kc), 8 p. m., Treasureland Home Owners ensemble; 9:30, Loew's 83d street theatre orchestra; 10:30, Strand roof orchestra.
WJAR, Providence, R. I. (485m-618kc), 8:05 p. m., musicale; 9, Eveready hour.
WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Jean Goldkette's Petite symphony orchestra; 8, Board of Commerce, Mt. Clemens, Mich.; 8:30, Mazer-Cressman entertainers; 9, studio program.
WJZ, New York, N. Y. (454.3m-660kc), 7:20 p. m., Hotel Commodore dinner orchestra; 9, Pennsylvania Railroad hour, WGY; 10:45, orchestra.
WLIT, Philadelphia, Pa. (394.5m-760kc), 7:30 p. m., Dream Daddy's bedtime stories.
WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., American composer series; 7:30, Mary Louise Woscezek, Crosley request lady; 8, Crosley Burnt Corkers; 9, Formica concert orchestra.
WLWL, New York, N. Y. (288.3m-1040kc), 9 p. m., piano recital; 9:15, songs; 9:45, trio; 10:15, Premier male quartet.
WMAK, Buffalo, N. Y. (266m-1130kc), 7:30-9:30 p. m., musicale; 9:30-10:30, Dr. Pierce's Golden orchestra, WGY, WHAM, WMAK.
WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Hotel McAlpin string ensemble; 9, Radio Shack orchestra; 11, Hotel McAlpin orchestra; 12, McAlpin entertainers.
WNYC, New York, N. Y. (526m-570kc), 6:25 p. m., piano; 10:20, songs.
WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Hotel Sylvania dance orchestra.
WOR, Newark, N. J. (405.2m-740kc), 6:30 p. m., Hotel Bretton Hall string quartet; 7:30, Premier orchestra; 8:15, Vanderbilt Hotel orchestra; 9, Wurlitzer organ recital; 9:45, Jimmy Caruso's Musical Tabloid; 10:15, Ritz Carlton dance orchestra.
WRC, Washington, D. C. (468.5m-640kc), 7 p. m., Mayflower hotel orchestra; 9, WEAF; 10, WJZ; 10:30-11:30, Meyer Davis' Le Paradis band.
WSAI, Cincinnati, Ohio (325.9m-920kc), 8-8:45 p. m., WEAF; 9, WEAF.
WTAM, Cleveland, Ohio (389.4m-770kc), 6 p. m., State theater vaudeville and music; 7-10, WEAF; 11, orchestra.
WTIC, Hartford, Conn. (475.9m-630kc), 6:30 p. m., studio program; 7, Trinity College course; 9, Travelers symphonic ensemble.
WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 8, WEAF.

Central Time Stations

KFAB, Lincoln, Nebr. (340.7m-800kc), 5:30-6:30 p. m., Little symphony orchestra; 8-10:30, University of Nebraska program.
KFDM, Beaumont, Texas (315.6m-950kc), 8-10 p. m., orchestra program.
KFNF, Shenandoah, Iowa (461.3m-650kc), 7 p. m., Emil Strom's boy band.
KLDS, Independence, Mo. (440.9m-680kc), 8 p. m., Corrine Haines French, soprano.
KMA, Shenandoah, Iowa (461m-650kc), 9-11 p. m., May's Mandolin musicians.
KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., Jacquinot Jules, organist; 7, old time shindig; 9, old worlds and new; 10, KMOX Radio orchestra.
KOIL, Council Bluffs, Iowa (305.9m-980kc), 6:03 p. m., program for Warner Brothers; 7:30, Paramount program; 11, Shoemaker's Happy Home orchestra.
KPRC, Houston, Texas (296.9m-1010kc), 7:30 p. m., studio concert.
KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9-10 p. m., Meyer Davis orchestra; 10-10:20, accordion solos, Joe Kuntz.
KYW, Chicago, Ill. (535.4m-560kc), 5:30 p. m., dinner concert; 6, Family hour; 7, Farm program; 8-9:30, classical concert; 9:30-11, Congress carnival.
WBAP, Fort Worth, Texas (475.9m-630kc), 7:30-8:30 p. m., Wagoner Hawaiian trio; 9:30-11, Excel ensemble.
WCBD, Zion, Ill. (344.6m-870kc), 8 p. m., McElroy saxophone quintet; Mrs. Esther Rendall, soprano; Richard F. Hire, violinist.
WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 7 p. m., WEAF; 7:45, WEAF; 8, WEAF; 9:30, Garrotts' Chocolate Soldiers; 11, Marigold ballroom orchestra.
WCFL, Chicago, Ill. (491.5m-610kc), 7 p. m., Florentine string trio; 8, spinning wheel hour; 10, Alamo entertainers; 11-1 a. m., Alamo entertainers.
WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., school of the air; 11:45-1, Nighthawk frolic; Ken Widenor, organist.
WFAA, Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m., Cline's Collegians; 7, good books; 8:30-9:30, Pierce Petroleum corporation program; 11-12, Jimmy Joy's Baker hotel orchestra.
WGBF, Evansville, Ind. (236m-1270kc), 6:30 p. m., views of the listener; 7, musicale.
WGN, Chicago, Ill. (302.8m-990kc), 6:45-7 p. m., concert ensemble, string quintet; 8-10, WEAF; 10, Sam 'n Henry; 10:10, Music Box; 10:30, musical program; 10:40-11, Correll and Gosden.
WHAD, Milwaukee, Wis. (275m-1090kc), 6:10 p. m., orchestral selections, vocal; 8:30, Wisconsin theater review; 10:30. George Devine's orchestra.
WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., Carl Zoeller's Melodists.
WHB, Kansas City, Mo. (365.6m-820kc), 7-7:45 p. m., "China, the Wonderland," Dr. James W. Fifield; 8-9:30, Crooning Clowns; Jameson and Waldner.
WHO, Des Moines, Iowa (526m-570kc), 7:30-8:30 p. m., 14th Cavalry band; 8:30-9, Stewart Watson, baritone; Kathryn Torey, pianist; 11-12, dance program.
WHT, Chicago, Ill. (399.8m-750kc), 6 p. m., Julie Juliens, soprano; Al Carney, organist, 7:45 (238m-1260kc), Stuart Dawson; 9.30 (399.8m-750kc), Bel Cante male quartet; Ann Slack, 'cellist; 12, Al and Pat.
WIBO, Chicago, Ill. (226m-1330kc), 6-8 p. m., Marie Kelly; Charlotte Edwards; Victor Young; 12-2, Oriole orchestra; Victor Young; Wayne Meyers.
WJJD, Mooseheart, Ill. (370.2m-810kc), 5:45-7 p. m., Howard Peterson, organist; symphony players; Victorians; 8-9, child artists, bands; 10-11, Victorians, Clarence Harper, Lucky Wilbur; 12:30 a. m., Settin' Up hour.
WLS, Chicago, Ill. (344.6m-870kc), 6 p. m., supper-bell program; 6:40, orchestra; 6:55, Si Spencer; 7, Rae and Lee; 7:15-7:55, special program.
WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, orchestra; 8:10, U. of Chicago lecture; 8:30, Marie Ludwig, harpist; 9, Hall O'Flaherty; 9:45, recital; 9:55, air line.
WMBB, Chicago, Ill. (250m-1200kc), 7-8 p. m., Trianon ensemble; Genevieve Burnham; 9-12, Trianon orchestra; Heavenly Twins.
WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Hotel Gayoso orchestra; 11, frolic.
WOAI, San Antonio, Texas (394.5m-760kc), 8:30 p. m., Gebhardt Mexican players.

VEILED PROPHETS' BALL AT KMOX

WOAW, Omaha, Nebr. (526m-570kc), 6 p. m., classical; 6:20, popular song period; 6:50, Pat's Melody boys; 9, program, popular and old-time music.
WOC, Davenport, Iowa (483.6m-620kc), 7-7:45 p. m., WEAF; 7:45-8, Orville Rohlf, violist; 8-9, WEAF; 9-10, Paarman trio.
WOK, Chicago, Ill. (217.3m-1380kc), 6-8 p. m., string ensemble; 8-12 m., organ concert; Cocoanut Grove orchestra; studio program, dance orchestras.
WOOD, Grand Rapids, Mich. (242m-1240kc), 8 p. m., Van Wyck instrumental quartet; 9, classical concert; 10:10, dance music.
WORD, Batavia, Ill. (275m-1090kc), 7 p. m., Public Service Company of Northern Illinois; 9, musicale, James E. Pool; 11, Public Service Company of Northern Illinois; 11:45, Bible lecture.
WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Gardens orchestra; Eugene Wallenius, baritone; Russell Boe, tenor; 10-2, Martha Biehl, blues singer; Gail Blandell, Sunshine Girl; Joe Verges, Paul Small, Ray Hibbeler, tenor.
WSM, Nashville, Tenn. (282.8m-1060kc), 6:30 p. m., First anniversary celebration.

Mountain Time Stations

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra; 8:30, wit and humor.

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Howard's Quality serenaders; 8-9, Screen Artists' string quartet, Robert Hurd, soloist; 9-10, program, Truth Tyler Plock, pianist; 10-11, Packard Radio club.
KFWB, Hollywood, Calif. (252m-1190kc), 6-7 p. m., Pontiac dinner hour; 8-9, Bill Blake, Esther White, Bob Robinson and others; 9-10, Bill Hatch and his orchestra; Art Pabst and his banjo; 10-11, Warner Brothers, frolic.
KGO, Oakland, Calif. (361.2m-830kc), 6 p. m., Stanislas Bem's Little symphony; 8-9, Pilgrims; 9, surprise broadcast.
KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 10-12, Herman Kenin and his orchestra; Curt Kramer, pianist.
KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., weekly visit of Queen Titania, Sandman; 8-10, Stewart-Warner quartet; Ethel Glassman Clark, soprano.
KNX, Hollywood, Calif. (336.9m-890kc), 7-7:45 p. m., program, Dearden's Furniture company; 8-9, program, Builder's Finance association; 9-10, program, Western Auto Supply company; 10-12, Ambassador hotel dance orchestra.
KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7 p. m., States restaurant orchestra; 7-7:30, concert orchestra; 8-9, Mandarin Cafe orchestra; 9-10, KPO trio; Gypsy and Marta, harmony team; 10-11, dance orchestra.
KPSN, Pasadena, Calif. (315.6m-950kc), 8-9 p. m., concert hour; James H. Shearer, organist; George Frenger, tenor.

Wednesday, October 6

Headliners Today

Eastern	Central	Mountain	Pacific
8:30 p.m.	7:30	6:30	5:30

WHAS (399.8m-750kc), Virginia Vetter's entertainers.

9	8	7	6

WDAF (365.6m-820kc), Ivanhoe band.
WHO (526m-570kc), The Four Horsemen.

9:30	8:30	7:30	6:30

KMOX (280.2m-1070kc), Veiled Prophet's ball.

10	9	8	7

KMA (461.3m-650kc), Two-piano concert.
WCAU (277.6m-1080kc), Cheer-up club.

10:20	9:20	8:20	7:20

KTHS (374.8m-800kc), Opera favorites.

Wednesday, silent night for: KFDM, KLDS, KMMJ, KOIL, KPSN, KTAB, KUOA, KWWG, WABQ, WBAL, WBAP, WBBR, WCBD, WFAA, WFI, WGBF, WGBS, WGCP, WHAR, WIP, WJAZ, WMC, WOAI, WOAW, WPG, WSUI, WTIC.

Eastern Time Stations

CFCA, Toronto, Can. (356m-840kc), 11 p. m., dance program.
KDKA, Pittsburgh, Pa. (309.1m-970kc), 6:15 p. m., Flotilla club; 7:45, U. of Pittsburgh address; 8, concert, Adalaine Merrill Biddle; 9:30, Reymer's R. V. B. trio.
PWX, Havana, Cuba. (399.8m-750kc), 8-10 p. m., Military band music.
WAHG, Richmond Hill, N. Y. (315.6m-950kc), 7:30 p. m., Margie Make-Believe; 8, Debalme classic trio; 8:30, studio program; 8:45, May Singhi Breen and Peter DeRose; 9:15, Ralph Lane, tenor; Sascha Mendelssohn, violinist; Milton Katz, pianist; 10:02, Good Humor boys.
WBZ, Springfield, Mass. (333.1m-900kc), 7:05 p. m., Copley Plaza orchestra; 7:30, nature league; 8, Edson A. Parke and his orchestra; 8:30, Lillian Clark, harpist; 9, Barnstormers; 9:30, Madame Almanzoe Gosselin, soprano; Mary Sherikjian, violinist.
WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30 p. m., recital, N. Snellenburg and company; 8, Melrose concert quartet; 8:30, concert; 9, Minerva Rose Chadwin, soprano; 9:25, Charles Borelli, songs; 9:40, Senator Hassenpieffer; 9:45, Frank Cook, old-time songs; 10, Cheer-Up club.
WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., Goldkette ensemble; 8-9, studio program.
WDBO, Winter Park, Fla. (239.9m-1200kc), 8:15 p. m., Velma Blixt, mezzo-soprano.
WEAF, New York, N. Y. (491.5m-610kc), 4-12 midnight, Janet Hall, contralto; Al Lentz' Midtown Hofbrau orchestra; services, United Synagogue of America; Davis' Saxophone octet; Smith Brothers; "Patient," WEAF light opera company; Ben Bernie's orchestra.
WEBJ, New York, N. Y. (272.6m-1100kc), 8 p. m., Y. M. H. A. night.
WEEI, Boston, Mass. (348.6m-860kc), 8-11, WEAF.
WEMC, Berrien Springs, Mich. (315.6m-950kc), 8:15 p. m., Martha Hutchison, soprano; Everett DeLong, saxophonist.
WFI, Philadelphia, Pa. (394.5m-760kc), 6:45 p. m., Adelphia Roof Garden orchestra.
WGBS, New York, N. Y. (315.6m-950kc), 6:30 p. m., Fess Williams' Savoy dance orchestra; 7:20, dance music.
WGHB, Clearwater, Fla. (266m-1130kc), 8:30-10 p. m., open house program; Caroline Lee, "The Virginia Girl" and her Spanish guitar; Bob Houts, baritone; Charlie Hoar and Paul McVey, piano and vocal team.
WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert; 7:25, musicale; 8-8:30, studio program; 8:30-9, Camp Fire program; 9-10, Little symphony orchestra.
WGR, Buffalo, N. Y. (319m-940kc), 8-10:30 p. m., WEAF.
WGY, Schenectady, N. Y. (379.5m-790kc), 7-7:45, Eastman theater program; 8:30, WHAM program.
WHN, New York, N. Y. (361.2m-830kc), 7:30 p. m., Loew's Lexington theater organ recital; 9, Loew's New York theater orchestra; 9:30, Loew's 7th Avenue theater concert; 10, Roseland dance orchestra; 11:30, Silver Slipper orchestra.
WJAR, Providence, R. I. (485m-618kc), 8 p. m., Palais D'Or orchestra; 8:30, Davis Saxophone octet; 10, light opera hour.
WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Jean Goldkette's Petite symphony orchestra; 7:45, Good Will Oakland, Chief Pontiac; 9, studio program; 11, Murphy Brothers, organist, tenor, baritone; 12, Merry Old Chief, Jewett Jesters.
WJZ, New York, N. Y. (454.3m-660kc), 8:30 p. m., Dueber Hampden watch hour; 10, Record boys; 10:30, orchestra.
WLIT, Philadelphia, Pa. (394.5m-760kc), 8 p. m., WEAF.
WLW, Cincinnati, Ohio (422.3m-710kc), 6:50 p. m., civil service; 7, Robert Visconti's orchestra; 7:30, Farm Bureau federation talk; 7:40, Visconti's orchestra; 10, Pink of Programs; 11, Johanna Grosse, organist.
WLWL, New York, N. Y. (288.3m-1040kc), 9 p. m., violin solo; 9:15, songs; 9:45, instrumental trio.
WMAK, Buffalo, N. Y. (266m-1130kc), 7:30-10 p. m., musicale.
WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Hotel McAlpin string ensemble; 6:30, Hotel McAlpin orchestra; 7:30, Finkenberg duet; 8:45, A. T. Power syncopator; 9, Yale Land quartet; 12, McAlpin entertainers.
WNYC, New York, N. Y. (526m-570kc), 6:10 p. m., piano selections; 6:30, Spanish lessons; 7:30, talk, Public Welfare.
WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Hotel Sylvania orchestra; 9, Sesqui Centennial program; 10:30, Sam Brown's dance orchestra.
WOR, Newark, N. J. (405.2m-740kc), 6:15 p. m., Jacques Jacobs' Hotel Shelton ensemble; 7, Jacques Jacobs' Hotel Shelton ensemble; 7:45, "Topics of the Day."
WRC, Washington, D. C. (468.5m-640kc), 7 p. m., Hotel Washington orchestra; 8:30-9:30, WEAF; 9:30, announced; 10-11, WEAF.
WRVA, Richmond, Va. (256.3m-1170kc), 7-8 p. m., boys' program; 8:20, contralto; 9:10, piano recital, Inga Crawford; 9:30, organ recital; 10:30, "Carry Me Back to Old Virginny."
WSAI, Cincinnati, Ohio (325.9m-920kc), 8:30 p. m., WEAF; 9-11:30, WEAF.
WTAM, Cleveland, Ohio (389.4m-770kc), 6:15 p. m., Hotel Cleveland orchestra; 7:30, program; 10:30, Serenaders.
WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 8, WEAF; 8:30, News orchestra; 9, dance program, WEAF; 10, News orchestra, soloists.

Central Time Stations

KFAB, Lincoln, Nebr. (340.7m-800kc), 5:30-6:30 p. m., dinner concert; 8:30-10:30, old time tune night.
KFNF, Shenandoah, Iowa (461.3m-650kc), 7 p. m., Henry Field Seed company concert.
KMA, Shenandoah, Iowa (461m-650kc), 9-11 p. m., Peregrin Brothers, Scotch songs; Willie Cunningham, farmer Scotchman.
KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., dinner time recital; 7, sacred music program; 8:30-1, Veiled Prophet's ball.
KPRC, Houston, Texas (296.9m-1010kc), 7:30 p. m., Jack Willrich's orchestra; 8:30, studio concert.
KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9-9:20 p. m., Lon Chassy, violinist; John Heyn, pianist; 9:20-10, opera favorites, ensemble; 10-10:45, dance concert.
KYW, Chicago, Ill. (535.4m-560kc), 5:30 p. m., dinner concert; 6, family hour; 8-9:30, classical concert; 9:30-11, Congress carnival.
WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 2:30 p. m., Otto's Little German band; 7:30, Radio Pioneer's hour; 8, WEAF; 9, WEAF; 11:30, Eddie Dunstedter, organist.
WCFL, Chicago, Ill. (491.5m-610kc), 7 p. m., Florentine string trio; 8, variety hour; 10-1 a. m., Alamo orchestra, entertainers.
WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., school of the air; 8-9, Ivanhoe band; 9-9:30, WEAF; 11:45-1, Nighthawk frolic.
WGN, Chicago, Ill. (302.8m-990kc), 6:45-7 p. m., concert ensemble, string quintet; 8:30, Correll and Gosden; 8:45-10, Arabian nights' entertainment; 10, Sam 'n' Henry; 10:10, Music Box; 10:30-12:30 a. m., Pepper Party.
WHAD, Milwaukee, Wis. (275m-1090kc), 6:10 p. m., Wisconsin theater organ recital, Arthur Richter; 11:30, Wisconsin theater organ.
WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., Virginia Vetter's entertainers.
WHB, Kansas City, Mo. (365.6m-820kc), 7-8 p. m., K. C. artist instrumental trio; 10:45-11:45, midweek musicale.
WHO, Des Moines, Iowa (526m-570kc), 6-7 p. m., Bankers Life Little symphony; Myrtle Williams, soprano; 7:10-8, Hotel Fort Des Moines orchestra; 8-9:30, Four Horsemen male quartet; 9:30-11:30, dance programs.
WHT, Chicago, Ill. (399.8m-750kc), 6 p. m., Al Carney, organist; 7:45 (238m-1260kc), Stuart Dawson; 9:30 (399.8m-750kc), Tener Ray Lawson; Daddies Kids; John Powell; Johnnie and Janie Patter.
WIBO, Chicago, Ill. (226m-1330kc), 6-8 p. m., dinner concert; 10-2, Robert Johnston; Buddy Lengdon.
WJJD, Mooseheart, Ill. (370.2m-810kc), 5:45-7 p. m., Howard Peterson, organist; symphony players, Victorians; 8-9, child artists; 10-11, Victorians; Gail Bandell, John Norton; 12:30 a. m., Settin' Up hour.
WLS, Chicago, Ill. (344.6m-870kc), 6 p. m., supperbell program; 6:40, Maurie Sherman's orchestra; 6:55, Si Spencer; 7, Rae and Lee; 7:15, duo; 7:30, Ralph Emerson, organist; 8:30, Merle Cullen, tenor; 9:30, Rae and Lee production; 10, Maurie Sherman's orchestra; 11-12, popular music program.
WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 8:45, Mr. Abernathy, baritone; 9:30, orchestra; 9:50, air line.
WMBB, Chicago, Ill. (250m-1200kc), 7-8 p. m., Trianon duo; Arthur Clippinger, baritone; Monte Blunn, tenor; Bessie Beelman, contralto; Harold Thorpe, pianist; 9-12, Trianon orchestra; Grace Trost; Arthur Clippinger.
WOAI, San Antonio, Texas (394.5m-760kc), 8:30 p. m., Delaware Punch program.
WOC, Davenport, Iowa (483.6m-620kc), 9-9:30 p. m., WEAF; 9:30-10:30, Erwin Swindell, organist.
WOK, Chicago, Ill. (217.3m-1380kc), 6-8 p. m., string ensemble; 8-12 p. m., organ concert; Tearney's Town club orchestra; studio program, dance orchestras.
WOOD, Grand Rapids, Mich. (242m-1240kc), 8 p. m., semi-classical program; 9, Willard Battery hour, Regent Roof orchestra, artists; 10:10, dance orchestra.
WORD, Batavia, Ill. (275m-1090kc), 7 p. m., program, North Shoe line; 9, I. B. S. A. choral singers; 9:15, Bible lecture.
WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Gardens orchestra; William Mattei, baritone; 10-2, Happy Harry Geise; Zeigler Sisters; Clarence Claussen, tenor; Flo and Ray; orchestra.
WSM, Nashville, Tenn. (282.8m-1060kc), 6:30 p. m., Andrew Jackson hotel orchestra; 8, studio program; 10, studio program.
WSMB, New Orleans, La. (319m-940kc), 8:30-10:30 p. m., concert program.

Mountain Time Stations

KOA, Denver, Colo. (322.4m-930kc), 7:30 p. m., Wynken, Blynken and Nod time; 8, Scheuerman's Colorado orchestra; 8:25, Highland Women's Christian Temperance union.

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-7:30 p. m., Westerland trio; 7:30-8, Nick Harris' detective story; 8-9, program, California Petroleum corporation; 9-10, Patrick-Marsh dance orchestra, Betty Patrick, soloist; 10-11, program, Charles Beauchamp, director.
KFWB, Hollywood, Calif. (252m-1190kc), 6-7 p. m., Pontiac dinner hour; 7-8, program, Corduroy Tire stores; 8-9, popular song hour, Ashley Sisters; 9-10, Edward Novis, baritone; 10-11, Warner Brothers frolic.
KGO, Oakland, Calif. (361.2m-830kc), 6 p. m., Stanislas Bem's Little symphony orchestra; 8, farm program; 8:30, Little symphony; 9, agricultural talk.
KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 9-10, concert.
KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., children's hour with Uncle John; 8-10, Times de luxe program; 10-11, Jerry Grant and his orchestra.
KNX, Hollywood, Calif. (336.9m-890kc), 7-8 p. m., program, Wilson Packing company; 8-9, program, Stewart-Warner dealers; 9-10, program, El Sereno Country club; 10-11, Edgewater club dance orchestra; 11-12, Ambassador hotel dance orchestra.
KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7 p. m., States Restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel concert orchestra; 8-9, Atwater Kent artists; 9-10, Clift hotel dance orchestra; 10-11, States Restaurant orchestra.

Thursday, October 7

Headliners Today

Eastern	Central	Mountain	Pacific
9 p.m.	8	7	6

WIBB (365.6m-820kc), Almarion banjo girls.
WMCA (340.7m-880kc), Solow soloists.

9:30	8:30	7:30	6:30

WMC (499.7m-600kc), Piano company ensemble.

10	9	8	7

KFRC (296.9m-1010kc), Glee club.

11	10	9	8

KFI (467m-642kc), "Sham," playlet.
KGO (361.2m-830kc), "The Wizard of the Nile," comic opera.

1:01	12:01	11:01	10:01

KWWG (278m-1080kc), Novelty & Jazz.

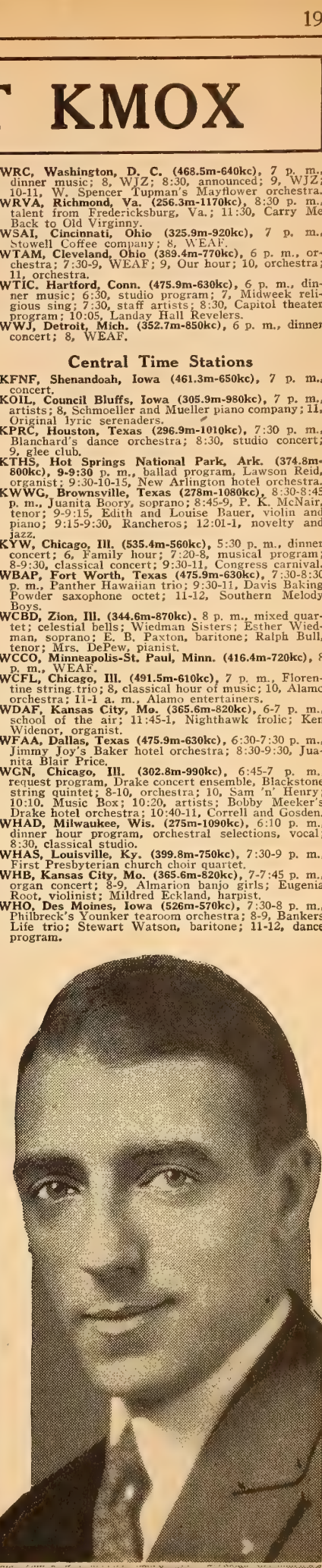
Thursday, silent night for: CFCA, KFAB, KFDM, KFH, KFOA, KFUO, KMA, KMOX, KOA, KOB, PWX, WAHG, WAMD, WEAO, WEBJ, WEMC, WGBF, WHAD, WMAK, WOS, WSM, WSUI, WTAM.

Eastern Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 6:15 p. m., dinner concert; 8, concert; 8:30, famous composers; 9, concert; 11:30, Flotilla club.
WBAL, Baltimore, Md. (246m-1220kc), 6:30-7:30 p. m., dinner orchestra; 7:30-8, mixed quartet; 8-9, WBAL trio; 9-10, dance orchestra.
WBZ, Springfield, Mass. (333.1m-900kc), 6:15 p. m., Arthur Clifton, organist; 6:30, Jackson's Hunters Cabin orchestra; 7, Hotel Brunswick orchestra; 8, Evelyn Marcil, contralto; 8:30, Twilight song trio; 9, Royal typewriter Salon orchestra, WJZ.
WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:30 p. m., Cathay orchestra; 7:30, Snellenburg symphony orchestra; 8, Saddler's Plantation serenaders; 8:45, Getz Go-Getters; 9, Kathryn Jordan, songs; 9:30, Musical Chefs; 9:55, Professor Doolittle; 10, The Hood Boys.
WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., Goldkette ensemble; 8-9, studio program.
WDBO, Winter Park, Fla. (239.9m-1200kc), 8:40 p. m., Fred Hart and his uke; 9, City of Sanford, musical program.
WEAF, New York, N. Y. (491.5m-610kc), 4-12 midnight, Jeanne A'Dair, popular songs; Hattie Morse Hamburger, reader; mid-week hymn sing; Serenaders; Schickerling quartet; Clicquot Club Eskimos; Goodrich Zippers.
WEEI, Boston, Mass. (348.6m-860kc), 8 p. m., musicale; 8:15-11, WEAF.
WFI, Philadelphia, Pa. (394.5m-760kc), 1 p. m., tea room ensemble; 3, Women's club program; "Gossip of Books and Bookmen," Mabel Swint Ewer; 6:45, Adelphia Roof Garden orchestra; 8, Savoy Bearcats; 8:30, concert from WEAF; 9, WEAF; 10, WEAF.
WGBS, New York, N. Y. (315.6m-950kc), 6:30 p. m., Vincent Sorey trio; 7:20, trio; 7:40, George Hall and his Royal Arcadians; 9, Navy Yard band; 10, George Hall and his Royal Arcadians.
WGHB, Clearwater, Fla. (266m-1130kc), 7:30-10 p. m., dinner music.
WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert; 7:25, music; 10-11, Frolickers; 11-12, Skylarkers, instrumental and vocal.
WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., Lopez orchestra; 8-11, WEAF.
WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., dinner program; 7:45-9, Syracuse University program; 9-10, WJZ; 10-11, WJZ; 11:30, organ recital, Stephen E. Boisclair.
WHN, New York, N. Y. (361.2m-830kc), 8:30 p. m., Loew's Gates theater concert; 9:30, Loew's 83d street theater orchestra; 11:30, Cotton club orchestra.
WJAR, Providence, R. I. (485m-618kc), 8:15 p. m., musicale; 8:30, program; 9, WEAF, 10, WEAF.
WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Petite symphony orchestra; 7:30, Ide and Meginnity, entertainers; 9, studio program.
WJZ, New York, N. Y. (454.3m-660kc), 7 p. m., voice of the silent drama; 7:45, Democratic talk; 11:30, Jack Denny's novelty club orchestra.
WLIT, Philadelphia, Pa. (394.5m-760kc), 7:30 p. m., Dream Daddy's bedtime stories.
WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., Robert Visconti's orchestra; 10, Castle Farmers; 10:15, Latonia Melody Boys; 10:30, Pep Golden, Al Kirschner; 10:45, Irene Downing, Tommy Reynolds; 11:15, Castle Farmers; 11:30, Missouri Kinney, Florence Kinney; 12:15, Crosley Pups.
WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Hotel McAlpin string ensemble; 9, Solow soloists; 10, Strauss serenaders; 11, Hotel McAlpin orchestra; 12, Broadway nite.
WNYC, New York, N. Y. (526m-570kc), 7 p. m., piano; 7:20, "Keeping Fit," Joe Ruddy; 7:35, timely health hints, department of health.
WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Hotel Sylvania dance orchestra.
WOR, Newark, N. J. (405.2m-740kc), 6:15 p. m., Jacques Jacobs' Hotel Shelton ensemble; 7, Jacques Jacobs' Hotel Shelton ensemble; 7:30, Oreste's Queensland orchestra; 8:15, Vanderbilt hotel orchestra; 8:40, Vanderbilt hotel orchestra; 10, Chateau Baltusrol orchestra.
WRC, Washington, D. C. (468.5m-640kc), 7 p. m., dinner music; 8, WJZ; 8:30, announced; 9, WJZ; 10-11, W. Spencer Tupman's Mayflower orchestra.
WRVA, Richmond, Va. (256.3m-1170kc), 8:30 p. m., talent from Fredericksburg, Va.; 11:30, Carry Me Back to Old Virginny.
WSAI, Cincinnati, Ohio (325.9m-920kc), 7 p. m., Stowell Coffee company; 8, WEAF.
WTAM, Cleveland, Ohio (389.4m-770kc), 6 p. m., orchestra; 7:30-9, WEAF; 9, Our hour; 10, orchestra; 11, orchestra.
WTIC, Hartford, Conn. (475.9m-630kc), 6 p. m., dinner music; 6:30, studio program; 7, Midweek religious sing; 7:30, staff artists; 8:30, Capitol theater program; 10:05, Landay Hall Revelers.
WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 8, WEAF.

Central Time Stations

KFNF, Shenandoah, Iowa (461.3m-650kc), 7 p. m., concert.
KOIL, Council Bluffs, Iowa (305.9m-980kc), 7 p. m., artists; 8, Schmoeller and Mueller piano company; 11, Original lyric serenaders.
KPRC, Houston, Texas (296.9m-1010kc), 7:30 p. m., Blanchard's dance orchestra; 8:30, studio concert; 9, glee club.
KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9-9:30 p. m., ballad program, Lawson Reid, organist; 9:30-10-15, New Arlington hotel orchestra.
KWWG, Brownsville, Texas (278m-1080kc), 8:30-8:45 p. m., Juanita Boory, soprano; 8:45-9, P. K. McNair, tenor; 9-9:15, Edith and Louise Bauer, violin and piano; 9:15-9:30, Rancheros; 12:01-1, novelty and jazz.
KYW, Chicago, Ill. (535.4m-560kc), 5:30 p. m., dinner concert; 6, Family hour; 7:20-8, musical program; 8-9:30, classical concert; 9:30-11, Congress carnival.
WBAP, Fort Worth, Texas (475.9m-630kc), 7:30-8:30 p. m., Panther Hawaiian trio; 9:30-11, Davis Baking Powder saxophone octet; 11-12, Southern Melody Boys.
WCBD, Zion, Ill. (344.6m-870kc). 8 p. m., mixed quartet; celestial bells; Wiedman Sisters; Esther Wiedman, soprano; E. B. Paxton, baritone; Ralph Bull, tenor; Mrs. DePew, pianist.
WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 8 p. m., WEAF.
WCFL, Chicago, Ill. (491.5m-610kc), 7 p. m., Florentine string trio; 8, classical hour of music; 10, Alamo orchestra; 11-1 a. m., Alamo entertainers.
WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., school of the air; 11:45-1, Nighthawk frolic; Ken Widenor, organist.
WFAA, Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m., Jimmy Joy's Baker hotel orchestra; 8:30-9:30, Juanita Blair Price.
WGN, Chicago, Ill. (302.8m-990kc), 6:45-7 p. m., request program, Drake concert ensemble, Blackstone string quintet; 8-10, orchestra; 10, Sam 'n' Henry; 10:10, Music Box; 10:20, artists; Bobby Meeker's Drake hotel orchestra; 10:40-11, Correll and Gosden.
WHAD, Milwaukee, Wis. (275m-1090kc), 6:10 p. m., dinner hour program, orchestral selections, vocal; 8:30, classical studio.
WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., First Presbyterian church choir quartet.
WHB, Kansas City, Mo. (365.6m-820kc), 7-7:45 p. m., organ concert; 8-9, Almarion banjo girls; Eugenia Root, violinist; Mildred Eckland, harpist.
WHO, Des Moines, Iowa (526m-570kc), 7:30-8 p. m., Philbreck's Younker tearoom orchestra; 8-9, Bankers Life trio; Stewart Watson, baritone; 11-12, dance program.



Teaberry time, well-known to listeners of KDKA, is back on the air again. Jim Hughes, director and comedian, appears at the right. Mr. Hughes intends to make these Friday programs popular variety hours. Frank's dance orchestra, below, is well-known at KFDM, Beaumont. Whenever this organization comes to Beaumont it broadcasts from this station.

WHT, Chicago, Ill. (399.8m-750kc), 6 p. m., Al Carney, organist; 7:45 (238m-1260kc), Stuart Dawson; 9:30 (399.8m-750kc), Billy Allan Huff; West Suburban male quartet; 12, Pat and Al.

WIBO, Chicago, Ill. (226m-1330kc), 6-8 p. m., dinner concert; 12-2, Oriole orchestra; Ted Fiorito; Mark Fisher.

WJJD, Mooseheart, Ill. (370.2m-810kc), 5:45-7 p. m., Howard Peterson, organist; symphony players; Victorians; 8-9, child artists; 10-11, Victorians, WJJD quartet; 12:30 a. m., Knights of the Burning Candle.

WLS, Chicago, Ill. (344.6m-870kc), 6:40 p. m., Maurie Sherman's orchestra; 6:55, Si Spencer; 7, Rae and Lee; 7:15-7:55, WLS trio.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., organ; 6:30, orchestra; 8, orchestra; 8:10, U. of Chicago lecture; 8:35, Whitney trio; 8:55, WMAQ players; 9:50 air line.

WMBB, Chicago, Ill. (250m-1200kc), 7-8 p. m., Irish music; 9-12, Trianon orchestra; Lombards; John Stamford; Bob Duffy.

WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Vesey Piano company ensemble.

WOAI, San Antonio, Texas (394.5m-760kc), 8:30 p. m., R. C. A. Radiola dealers.

WOAW, Omaha, Nebr. (526m-370kc), 6:50 p. m., Lillian Madsen, popular entertainer; 9, deluxe program.

WOC, Davenport, Iowa (483.6m-620kc), 7-7:30 p. m., WEAF; 7:30-8, Moline Plowboys; 8-9, WEAF; 9-10, WEAF.

WOK, Chicago, Ill. (217.3m-1380kc), 6-8 p. m., string ensemble concert; 8-12 m., Capitol theater organ; dance orchestras, studio program.

WOOD, Grand Rapids, Mich. (242m-1240kc), 8 p. m., Van Campen hour of music; 9, studio artists; 10:10, dance orchestra.

WORD, Batavia, Ill. (275m-1090kc), 7 p. m., Webster Hotel Duo orchestra; 9, musicale.

WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., orchestra; Chester Newman, baritone; 10-2, Rainbo Gardens orchestra; Sylvian Four; Joe Verges, Paul Small; Lucky Wilber.

WSMB, New Orleans, La. (319m-940kc), 8:30-10:30 p. m., Radio Revelers, Patio Royal orchestra, Liberty theater orchestra.

Mountain Time Stations

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra.

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., program, students University of Southern California; 8-9, KFI drama hour, one act playlet "Sham;" 9-10, Kari Aavold, concert pianist; 10-11, Azure Music club.

KFWB, Hollywood, Calif. (252m-1190kc), 6-7 p. m., Pontiac dinner hour; 8-9, program, McGavin Brothers; bakeries; 9-10, program, Chapman's Ice Creams; 10-11 Warner Brothers frolic.

KGO, Oakland, Calif. (361.2m-830kc), 6-6:55 p. m., Stanislas Bem's Little symphony; 8, comic opera, "Wizard of the Nile;" 9:30-12, Phil Lampkin's Musical Bears.

KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-10, vaudeville program; 10-12, Cole McElroy's orchestra.

KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., children's hour with Uncle John; 8-10, Zoellner string quartet; Harriet Andrews, soprano; 10-11, Marigold Gardens dance orchestra.

KNX, Hollywood, Calif. (336.9m-890kc), 7-8 p. m., Carthay Circle theater organ; 8-9 p. m., feature studio program; 9-10 p. m., program, Don P. Smith, Incl.; 10-11, studio program; 11-12, Ambassador hotel dance orchestra.

KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7 p. m., States Restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel concert orchestra; 8-9, feature program; 9-10, feature program; 10-11, Mandarin Cafe orchestra.

KPSN, Pasadena, Calif. (315.6m-950kc), 8-9 p. m., Pasadena Chamber of Commerce.

Friday, October 8

Headliners Today

Eastern	Central	Mountain	Pacific
8:15 p.m.	**7:15**	**6:15**	**5:15**

WGY (379.5m-790kc), "Girade Street Gentility," comedy.

8:30	**7:30**	**6:30**	**5:30**

WRVA (256m-1170kc), Fluvana Music club.

9:15	**8:15**	**7:15**	**6:15**

WOOD (242m-1240kc), Ye Olde Tyme Songe Fest.

9:30	**8:30**	**7:30**	**6:30**

WFAA (475.9m-630kc), Schubert choral club.

10:25	**9:25**	**8:25**	**7:25**

KOA (322.4m-930kc), Violin and piano program.

10:30	**9:30**	**8:30**	**7:30**

WCCO (416.4m-720kc), "Sayonara," Japanese cycle.

For stations silent tonight refer to first Friday's list.

Eastern Time Stations

KDKA, Pittsburgh, Pa. (309.1m-970kc), 6:15 p. m., dinner concert; 7:45, U. of Pittsburgh; 8, concert; 9, teaberry time.

WAHG, Richmond Hill, N. Y. (315.6m-950kc), 7:30 p. m., studio program; 8, Grebe music hour; 9, artists' recital; 10:02, popular program.

WBAL, Baltimore, Md. (246m-1220kc), 6:30-7:30 p. m., dinner orchestra; 7:30-8, Jubilee singers; 8-9, musical program; Virginia Winstead Fox, soprano; Melva Forsyth, contralto; Evelyn Upp, violinist; 9-10, WBAL ensemble.

WBZ, Springfield, Mass. (333.1m-900kc), 6:15 p. m., Hotel Lenox ensemble; 8:30, Edwin J. McEnelly and his Victor recording orchestra; 7:30, Radio Four of Boston; 8:30, Mohawk male quartet; 9:30, Alberta Kelliher, violinist; 9:45, Eddie Adams, pianist.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30 p. m., Snellenburg instrumental trio; 8, Barry O'Moore, Irish tenor; 8:30, concert; 8:45, Miss Bambina, piano accordion; 9, The Regina Crooners; 9:15, Sam Gold, "murmuring baritone"; 9:45, Archie Lloyd, popular songs; 10, Myers' Musical architects.

WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., dinner concert, Goldkette ensemble; 8-9, studio program; 10, dance music.

WDBO, Winter Park, Fla. (239.9m-1200kc), 8:10 p. m., Margaret Roberts, mezzo-soprano; 9, Sanlando popular program.

WEAF, New York, N. Y. (491.5m-610kc), 4-12 midnight, Mrs. Charles Ridgely Ellicott, contralto; Hotel Seville string ensemble; Waldorf-Astoria; Gene Ingraham and his Great Notch Inn orchestra; Melody Girls; Harmony Singers; Happiness Candy Boys; La France orchestra; Whittall Anglo Persians; Rolfe's Palais D'Or orchestra.

WEBJ, New York, N. Y (272.6m-1100kc), 7 p. m., Blenheim theater ensemble; 7:45, Michele Bontempo, Alda Melaragnio; 8, Hawaiian duets; 8:15, Blanche and Hugh Ramsauer, 8:30, Clarence Williams trio.

WEEI, Boston, Mass. (348.6m-860kc), 7:30 p. m., Hiram and the Dairy Maids; 8, musicale; 8:30, Neapolitan girls quintet; 9-11, WEAF.

WEMC, Berrien Springs, Mich. (315.6m-950kc), 9 p. m., Fannie Crosby, old time hymns; choir.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:45 p. m., Adelphia Roof Garden orchestra

WGBS, New York, N. Y. (315.6m-950kc), 6:30 p. m., Jule Anzell's orchestra; 7:10, music.

WGHB, Clearwater, Fla. (266m-1130kc), 8:30-10 p. m., pipe organ recital; Mrs. Ethel Weber, soprano; Maude Sheridan, contralto.

WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert; 7:25, music; 10-11, entertainers; 11-12, Melody Makers.

WGR, Buffalo, N. Y. (319m-940kc), 9 p. m., WEAF; 9:30 Winger's Crescent Park entertainers; 10-10:30, WEAF; 11-1 a. m., Lopez orchestra.

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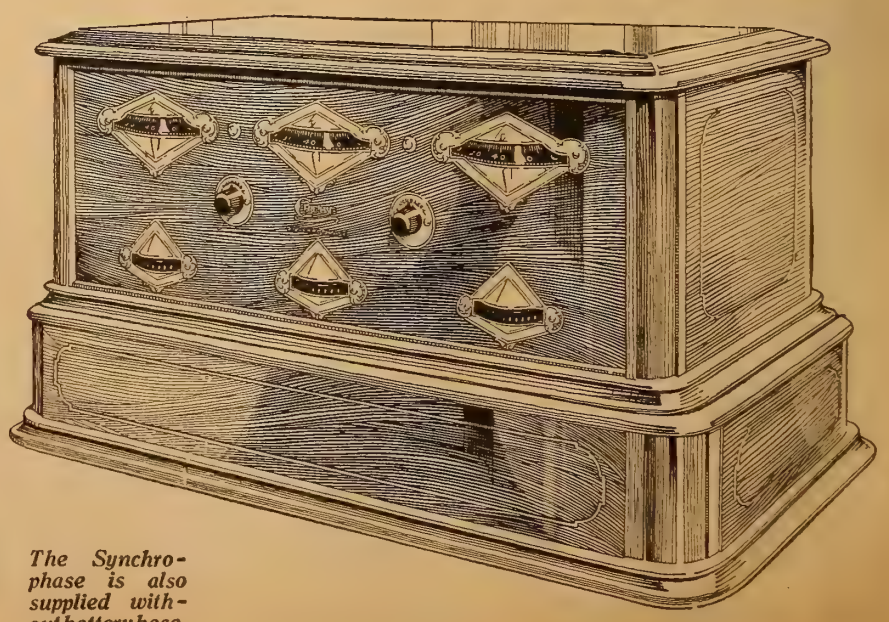

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WGY, Schenectady, N. Y. (379.5m-790kc), 7 p. m., dinner program; 7:35-8:15, instrumental program; 8:15, comedy, "Girade Street Gentility," Phoebe Hoffman, WGY players; 10:30, musical program.
WHN, New York, N. Y. (361.2m-830kc), 8 p. m., Treasureland Home Owners' ensemble; 9, Loew's Coney Island theater orchestra; 9:30, Coney Island Stadium bouts; 11, Strand roof orchestra; 11:30, Roseland dance orchestra; 12 midnight, Silver Slipper orchestra.
WJAR, Providence, R. I. (485m-618kc), 8 p. m., musicale; 10, WEAF.
WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Detroit Trade expansion program; 9, studio program.
WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Pennsylvania hotel grill orchestra; 8, Sundial Shoe serenaders, Bonnie Laddies, WRC; 9, Breyer Ice Cream hour.
WLIT, Philadelphia, Pa. (394.5m-760kc), 7:30 p. m., Dream Daddy's bedtime stories; 8, WEAF.
WMAK, Buffalo, N. Y. (266m-1130kc), 7:45-10 p. m., musicale.
WMCA, New York, N. Y. (340.7m-880kc), 5:45 p. m., string ensemble; 6:15, Ernie Golden and his Hotel McAlpin orchestra; 8:50, Broadway Association; 9:15, Klein's Serenading Shoemakers; 11:45, McAlpin entertainers.
WNYC, New York, N. Y. (526m-570kc), 6 p. m., piano selections; 6:20, piano selections; 6:30, French lessons; 9:20, piano; 9:55, songs.
WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Sylvania hotel dance orchestra; 8:30, WOO tourists and recital; 9:30, Fox theater concert; 10, Sesquicentennial concert; 10:30, Sam Brown's orchestra.
WOR, Newark, N. J. (405.2m-740kc), 6:35 p. m., Hotel Bretton Hall string quartet; 7:30, Crystal Palace orchestra; 8:30, Wurlitzer organ recital; 10:15 Ritz Carlton dance orchestra.
WRC, Washington, D. C. (468.5m-640kc), 7 p. m., Mozart string quintet; 8-11, WEAF.
WRVA, Richmond, Va. (256.3m-1170kc), 8:30 p. m., Fluvana music club program; 10, Hotel Richmond orchestra; 11, Carry Me Back to Old Virginny.
WTAM, Cleveland, O. (389.4m-770kc), 8 p. m., studio program; 9:30, quartet; 10, WEAF; 10:30, studio program; 11, Jack Horwitz Collegian serenaders.
WTIC, Hartford, Conn. (475.9m-630kc), 6:30 p. m., Emil Heimberger's Hotel Bond trio; 7:15, piano recital, Laura Gaudet; 7:30, organ recital; 8, Garbers' Artisans; 9, Friendly Fuller hour; 10:05, Emil Heimberger's Hotel Bond dance orchestra.
WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 8, News orchestra; 9, WEAF; 9:30, dance program; 10, WEAF; 10:30, dance program.

Central Time Stations

KFAB, Lincoln, Nebr. (340.7m-800kc), 5:30-6:30 p. m., dinner concert; 8:30-10:30, musical program.
KFDM, Beaumont, Tex. (315.6m-950kc), 8-10 p. m., band concert.
KMA, Shenandoah, Ia. (461m-650kc) 9-11 p. m., Ruby trio.
KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., Jacquinot Jules, organist; 7, KMOX Radio orchestra; child pianists; 8, KMOX Radio orchestra; 9, Do Re Mi quartet; 9:30, KMOX Radio orchestra; 10, Helen Musick, soprano.
KOIL, Council Bluffs, Ia. (305.9m-980kc), 6:03 p. m., Mona Motor Oil entertainers; 7:30, program for WHB; 8:30, Dresher's program.
KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9-9:10 p. m., football scores of all college games; 9:10-10, classical concert, New Arlington hotel orchestra.
KYW, Chicago, Ill. (535.4m-560kc), 5:30 p. m., dinner concert; 6, Family hour; 7-9:30, program; 11, Congress Carnival.
WBAP, Fort Worth, Tex. (475.9m-630kc), 7:30-8:30 p. m., program, Faris F. Ross; 9:40-11, School of Music, Texas Christian university; 11-12, Bob Sweeney, tenor.
WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6:15 p. m., St. Paul association; 8, Nash program; 9:30, "Sayonara," Japanese cycle: 10:05, Emmet Long's Nankin cafe orchestra; Bob Barker, tenor.
WCFL, Chicago, Ill. (491.5m-610kc), 6:30-7:30 p. m., Florentine string trio; 7:30-8:30, Clarence Theders, baritone; Vella Cook, contralto; 8:30-10, Joe Warner, Gloom chaser; Cook Sisters, harmony songsters; 10-1 a. m., Alamo dance orchestra, entertainers.
WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., school of the air; 8-8:30, WEAF; 8:30-9, varied program; 9-9:30, WEAF; 11:45-1, nighthawk frolic.
WFAA, Dallas, Tex. (475.9m-630kc), 6:30-7:30 p. m., Dallas Power and Light company's choral club; 8:30-9:30, Schubert choral club.
WGBF, Evansville, Ind. (236m-1270kc), 7 p. m., Lincoln and Ford orchestra; 8, musicale.
WGN, Chicago, Ill. (302.8m-990kc), 6:45-7 p. m., request program, Drake concert ensemble, string quintet; 7:05-7:15, Old Fashioned Almanack; 7:15-7:50, Paul Ash; 8-9, musical program; 9-9:30, WEAF; 9:30-10, Phantom violin; 10-10:10, Sam 'n' Henry; 10:10-10:20, Music box; 10:30-10:40, Leon Lichtenfeld, cellist; Herbert Johnson, pianist; 10:40-11, Correll and Gosden.
WHAD, Milwaukee, Wis. (275m-1090kc), 6:10 p. m., Wisconsin theater organ recital; 8:30, Marquette University classical studio program.
WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., concert, University of Louisville.
WHB, Kansas City, Mo. (365.6m-820kc), 7-8 p. m., Sweeney Radio orchestra.
WHO, Des Moines, Ia. (526m-570kc), 7:30-8 p. m., Philbreck's Younker tea-room orchestra; 8-9, Mrs. Robert Evans, soprano; Mrs. Grace Thorson, violinist; Bert Critchett, baritone; Thelma Synder, pianist; 11-12, dance program.
WHT, Chicago, Ill. (399.8m-750kc), 6 p. m., Al Carney, organist; 7:45 (238m-1260kc), Stuart Dawson; 9:30 (399.8m-750kc), Kenneth Clark and his Hawaiians; Betty Rose, Oscar Heather; Pat and Al.
WIBO, Chicago, Ill. (226m-1330kc), 6-8 p. m. dinner concert, Nelson Brothers band; 10-2, Oriole orchestra; Cook Sisters.
WJJD, Mooseheart, Ill. (370.2m-810kc), 5:45-7 p. m., dinner concert; Howard Peterson, organist; Palmer House symphony players; Palmer House Victorians; 8-9, child artists; 10-11, Palmer House Victorians; Jean St. Anne; Lucky Wilbur; 12:30 a. m., Settin's Up hour.
WLS, Chicago, Ill. (344.6m-870kc), 7 p. m., Rae and Lee; 7:15, duo; 7:30, Ralph Emerson, organist; 8, Rae and Lee; 8:10, College Inn orchestra; Grace Wilson, contralto; 8:30, Treble Clef quartet; 9, WLS trio; 10-11, orchestra.
WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 8, George Simons, tenor; 9, Walter Spry, pianist; 9:30, orchestra; 9:40, air line.
WMBB, Chicago, Ill. (250m-1200kc), 7-8 p. m., Trianon duo; Veronica Krebs; 9-12, Trianon orchestra; Borden Brothers; Norman Harte.
WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Cooper Cord entertainers; 11, Bob Miller.
WOAI, San Antonio, Tex. (394.5m-760kc), 8:30 p. m., San Antonio college of music program.
WOAW, Omaha, Nebr. (526m-570kc), 6:50 p. m., orchestra; 9, classical program.
WOC, Davenport, Iowa (483.6m-620kc), 7:30-8:30 p. m., Moorman Melody Mixers; 8:30-9, WEAF; 9-9:30, WEAF; 9:30-10:30, Mrs. Frank Rehling, soprano; Francis Armil, pianist.
WOK, Chicago, Ill. (217.3m-1380kc), 6-8 p. m., Tip Top Inn string ensemble concert; 8-12 m., Capitol theater organ; Midway Garden orchestra; studio program.
WOOD, Grand Rapids, Mich. (242m-1240kc), 8:15 p. m., Olde Tyme songe feste; 9, Costlow's hour, Easy Pay twins, Gilleland's orchestra; 10:10, Traveling Salesmen's hour; "The Swindle Sheet"; Regent Roof orchestra.
WORD, Batavia, Ill. (275m-1090kc), 7 p. m., North Shore line; 9, station program.
WQJ, Chicago, Ill. (447.5m-670kc), 7-8 p. m., Rainbo Gardens orchestra; Otis Pike Jester, soprano; 10-2, Crosley Radio Corp. hour; Martha Biehl, blues singer; Muriel Olsen, singer.
WSM, Nashville, Tenn. (282.8m-1060kc), 6:30 p. m., Andrew Jackson hotel orchestra; 8, studio program; 10, studio program; 10:30, F. Arthur Henkel, organist.

Mountain Time Stations

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra; 8, KOA orchestra; 8:25, Edith Sindlinger Wible, Blanche Townsend Chase studios; KOA orchestra.
KOB, State College, New Mex. (348.6m-860kc), 7:30-8:30 p. m., musical program, KOB orchestra.

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-7:30 p. m., varied program; 7:30-8, Edna Cook, Billie Henderson; 8-9, Aeolian organ; 9-10, Selwyn Harris, tenor and others; 10-11, Packard ballad hour.
KFWB, Hollywood, Calif. (252m-1190kc), 6-7 p. m., Pontiac dinner hour; 8-9, program, Bert Farrar, Inc.; 9-10, hour of dance music; 10-11, Warner Brothers frolic.
KGO, Oakland, Calif. (361.2m-830kc), 6 p. m., Stanislaus Bem's Little symphony orchestra.
KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 8-9, musical entertainment; 10:30-12, midnight frolic, Keep Growing Wiser Order of Hoot Owls, Pantages stars and features.
KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., children's hour, Uncle John; 8-9, Girls' Corner club; 9-10, Times studio program; 10-11, Paulais syncopators.
KNX, Hollywood, Calif. (336.9m-890kc), 7-8 p. m., KNX feature program; 8-9, program, Frank Meline Company; 9-10, Order of Optimistic Donuts; 10-11, program, Dickenson and Gillespie; 11-12, Ambassador hotel dance orchestra.
KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7 p. m., States Restaurant orchestra; 8:30-9, Kane's Hawaiians; 9-10, Palace hotel dance orchestra; 10-11, States Restaurant orchestra; 11-12, Clift hotel dance orchestra.

Saturday, October 9

Headliners Today

Eastern	Central	Mountain	Pacific
4 p.m.	3	2	1

KOB (348.6m-860kc), Football game, El Paso Junior-New Mexico.
KYW (535.4m-560kc), Football game, Chicago-Maryland.
WBZ (333.1m-900kc), Football game, Harvard-Holy Cross.

Eastern	Central	Mountain	Pacific

WJZ (454.3m-660kc), Football game, Yale-Georgia.
WMAQ (447.5m-670kc), Football game, Chicago-Maryland.
WOI (270.1m-1110kc), Football game, Iowa State college-Oklahoma Aggies.

Eastern	Central	Mountain	Pacific
8:10 p.m.	7:10	6:10	5:10

WBZ (333.1m-900kc), WGY (379.5m-790kc), WJZ (454.3m-660kc), WRC (468.5m-640kc), Boston Symphony opening Concert.

Eastern	Central	Mountain	Pacific
8:30	7:30	6:30	5:30

WLW (422.3m-710kc), Fraternity "Pep" concert.

Eastern	Central	Mountain	Pacific
8:45	7:45	6:45	5:45

WHAS (399.8m-750kc), Blue Ribbon double quartet.

Eastern	Central	Mountain	Pacific
10	9	8	7

WCCO (416.4m-720kc), Sans Souci trio.
WLS (344.6m-870kc), National barn dance.

Eastern	Central	Mountain	Pacific
11	10	9	8

WDBO (239.9m-1200kc), Popular request hour.

Eastern	Central	Mountain	Pacific
12	11	10	9

KFI (467m-642kc), Angelus string quartet.

For stations silent tonight refer to first Saturday's list.

Eastern Time Stations

CKNC, Toronto, Can. (357m-840kc), 8 p. m., Charles E. Bodley and his orchestra; Battery Brothers.
KDKA, Pittsburgh, Pa. (309.1m-970kc), 6:15 p. m., Flotilla club; 8, Westinghouse employes band.
PWX, Havana, Cuba (399.8m-750kc), 8:30-11 p. m., Typical Cuban concert.
WAHG, Richmond Hill, N. Y. (315.6m-950kc), 12 m., Mita Weinzoff's concert orchestra.
WBZ, Springfield, Mass. (333.1m-900kc), 6:15 p. m., Arthur Clifton, organist; 6:30, dinner music; 7:05, Capitol theater orchestra; 8:10, Boston symphony orchestra.
WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., dinner program, Goldkette ensemble.
WDBO, Winter Park, Fla. (239.9m-1200kc), 8:20 p. m., songs and humor, R. Dewitt; 9, Chamber of commerce musical program; 10, Elernore Upmeyer, soprano; Zadia Sullivan, contralto; Paul Hilliard, baritone; Kenneth McPhereson, baritone; 11, Owens and Willox, popular request hour.
WEAF, New York, N. Y. (491.5m-610kc), 5-12 midnight, tea music; musical comedy hits, WEAF Light opera company, dance music.
WFI, Philadelphia, Pa. (394.5m-760kc), 6:45 p. m., Adelphia Roof Garden orchestra; 8, concert from studio.
WGBS, New York, N. Y. (315.6m-950kc), 6:30 p. m., Josephine and John Crowley, piano and violin; 7:25, Ora Lee and Helen Wood, personality duets; 7:45, George Hall and his Royal Arcadians; 10:30, Arrowhead Inn dance orchestra.
WGY, Schenectady, N. Y. (379.5m-790kc), 7:30 p. m., Shea's Buffalo hour; 8:10-10:15, Boston symphony orchestra; 10:30, dance program.
WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Jean Goldkette's Petite symphony orchestra; soloists; 7:30, Lagoona Gondoliers; 9, studio program; 11:30, Merry Old Chief and Jewett Radio Jesters.
WJZ, New York, N. Y. (454.3m-660kc), 8:10 p. m., Boston symphony orchestra; 10:30, Jack Denny's Frivolity club orchestra.
WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., Johanna Grosse, organist; 8, Seckatary Hawkins Radio club; 8:30, Fraternity Pep concert; U. of Cincinnati; 9, dance music, Castle Farm.
WMAK, Buffalo, N. Y. (266m-1130kc), 7:30 p. m., Shea's Buffalo theater; 8:30, George Schlageter, violinist.
WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Olcott Vail and his Hotel McAlpin string ensemble; 11, Ernie Golden and his Hotel McAlpin orchestra; 12, McAlpin entertainers.
WNYC, New York, N. Y. (526m-570kc), 7:15 p. m., piano selections; 8:15, civil service; 9:45, instrumental program.
WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Sylvania hotel dance orchestra.

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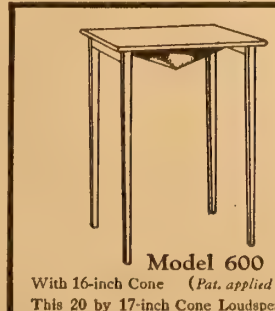

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WOR, Newark, N. J. (405.2m-740kc), 6:15 p. m., Jacques Jacobs' Hotel Shelton ensemble; 7, Jacques Jacobs' Hotel Shelton ensemble; 7:30, Chateau Baltusrol orchestra.
WRC, Washington, D. C. (468.5m-640kc), 7:30 p. m., Hotel Washington orchestra; 8:30, announced; 10:30, Kitt hour of music; 11:15, organ recital, Otto F. Beck.
WSAI, Cincinnati, Ohio (325.9m-920kc), 7:45 p. m., news review; 8, Bicycle playing card sextet; 9, musicale; 12, popular frolic.
WTAM, Cleveland, O. (389.4m-770kc), 7:30 p. m., studio program; 8, Hollenden hotel orchestra; 9, vaudeville program; Ev Jones' Merrymakers, entertainers.
WTIC, Hartford, Conn. (475.9m-630kc), 6 p. m., Moe Blumenthal's trio; 6:30, studio program; 7, trio; 7:30, Bible study.

Central Time Stations

KFAB, Lincoln, Nebr. (340.7m-800kc), 5:30-6:30 p. m., Little symphony orchestra; 8:30-10:30, Zenith quartet; Cowbell boys, violin and guitar; Buick Master Six orchestra.
KFNF, Shenandoah, Ia. (461.3m-650kc), 7 p. m., Scotch concert, E. S. Dodds; 11, old time music.
KLDS, Independence, Mo. (440.9m-680kc), 8 p. m., program, Madge Nesbitt, soprano.
KMA, Shenandoah, Ia. (461m-650kc), 9-11 p. m., Greenlee Brothers; songs, Jack Todd.
KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., Jacquinot Jules, organist; Alice Maslin, pianist; 7, Little Red School house; Walter Neumann, tenor; 8, KMOX Radio orchestra; 10, dance music.
KOIL, Council Bluffs, Ia. (305.9m-980kc), 6:05 p. m., Radio Pioneers; 7:30, Jean Stirling, pianist; Louise Schnauber, violinist; Betty Zabriskie, cellist; 11, staff frolic.
KPRC, Houston, Tex. (296.9m-1010kc), 7:30 p. m., Bible class; 8, Frank Tilton, pianist.
KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9:10-9:30 p. m., W. C. Brown, baritone; 9:30-10:15, dance concert.
KYW, Chicago, Ill. (535.4m-560kc), 5:30 p. m., dinner concert, Joska DeBabary and his orchestra; 6, Family hour; 7-8, musical program; 8-9:30, classical concert; 9:30-11, Congress Carnival.
WBAP, Fort Worth, Tex. (475.9m-630kc), 8-8:30 p. m., Fort Worth club orchestra; 9:30-11, Hired Hand's Little symphony.
WCCO, Minneapolis-St. Paul, Minn. (416.4m-720kc), 6:15 p. m., Nicollet Hotel orchestra; Crinoline trio; 9, San Souci trio; 10:05, Wallie Erickson's Coliseum orchestra.
WCFL, Chicago, Ill. (491.5m-610kc), 6:30-7:30 p. m., Florentine string trio, dinner music; 7:30-8:30, Johnson Sisters, harmony; Clarence Sullivan, Irish tenor; 8:30-10, Hickey and Johnson, Hawaiians; Little Joe Warner, character songs; 10-1 a. m., Alamo dance orchestra, entertainers.
WDAF, Kansas City, Mo. (365.6m-820kc), 6-7 p. m., school of the air; 8-9, around the town; 11:45-1, Nighthawk frolic.
WFAA, Dallas, Tex. (475.9m-630kc), 6:30-7:30 p. m., Jimmy Joy's Baker hotel orchestra; 8:30-9:30, Dallas Athletic club male quartet; 11-12, Jack Gardner's Adolphus hotel orchestra.
WGN, Chicago, Ill. (302.8m-990kc), 6:35-7 p. m., dinner music, Drake concert ensemble, Blackstone string quintet; 8-8:10, "Auld Sandy"; 8:10-8:20, concert ensemble; 8:20-8:30, Correll and Gosden; 8:30-9, musical program; 9-10, light opera period; 10, Sam 'n' Henry; 10:10, The Music Box; 10:40-11, Correll and Gosden.
WHAD, Milwaukee, Wis. (275m-1090kc), 6:10 p. m., dinner hour, orchestral.
WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., concert, Blue Ribbon double quartet.
WHT, Chicago, Ill. (399.8m-750kc), 6 p. m., Al Carney, organist; Cyril Allan, 'cellist; 7:45 (238m-1260kc), Stuart Dawson; 9:30 (399.8m-750kc), Brown and Craig; Matthews Sisters; Clementine Degama, blues singers; Al and Pat.
WIBO, Chicago, Ill. (226m-1330kc), 6-8 p. m., Oscar Heather; Virginia Cooper; 11-12, Uptown Conservatory of Music.
WJJD, Mooseheart, Ill. (370.2m-810kc), 5:45-7 p. m., dinner concert; Howard Peterson, organist; symphony players; Victorians; 8-9, Gail Bandell, George Hill; 10-11, Gail Bandell, Victorians; 12-1 a. m., Settin' Up hour.
WLS, Chicago, Ill. (344.6m-870kc), 7 p. m., lullaby time, Ford and Glenn; 7:15, national barn dance.
WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., organ; 6:30, orchestra; 8, musical pot-pourri; 8:30, photologue; 9, Chicago theater revue.
WMBB, Chicago, Ill. (250m-1200kc), 7-8 p. m., Trianon ensemble; Clarice Taylor; Ruth Lyon; 9-12, Trianon orchestra; Arthur Clippinger; Ruth Lyon; Bob Bennett.
WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., South Side quartet.
WOAW, Omaha, Nebr. (526m-570kc), 6:50 p. m., orchestra; 9, program.
WOC, Davenport, Iowa (483.6m-620kc), 9-10 p. m., Robert Lynch, baritone; Mrs. Frank Thul, soprano; Wilma Steckman, pianist.
WOK, Chicago, Ill. (217.3m-1380kc), 6-8 p. m., Tip Top Inn string ensemble concert; 8-12 m., Capitol theater organ; Midway Garden orchestra; studio program, dance orchestra.
WORD, Batavia, Ill. (275m-1090kc), 7 p. m., Webster Hotel concert program; 9, studio program.
WSM, Nashville, Tenn. (282.8m-1060kc), 6:30 p. m., Andrew Jackson hotel orchestra; 8, barn dance program.
WSMB, New Orleans, La. (319m-940kc), 8:30-10:30 p. m., concert program.

Mountain Time Stations

KOB, State College, New Mex. (348.6m-860kc), 3-5:30 p. m., football game, El Paso Junior college vs. New Mexico State college.

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., dance music; 8-9, Los Angeles Soap company; 9-10, Angelus string quartet; 10-11, Packard Radio club featuring popular songs; 11-2 a. m., KFI midnight frolic.
KFWB, Hollywood, Calif. (252m-1190kc), 6-7 p. m., Pontiac dinner hour; 8-10, popular song and dance program; 10-11, Warner Brothers frolic.
KGO, Oakland, Calif. (361.2m-830kc), 4-5 p. m., Stanislas Bem's Little symphony; 9-1, Hotel Whitcomb band; Frank Gibney, tenor.
KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 10-12, Herman Kenin and his orchestra; Punch Green, solos.
KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., children's hour, Uncle John; 8-10, Times de luxe program.
KNX, Hollywood, Calif. (336.9m-890kc), 7:30-9 p. m., feature studio program; 9-10, Rondith corporation program; 10-11, Ambassador hotel dance orchestra; 11-12 a. m., Hollywood nite frolic.
KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7:20 p. m., States Restaurant orchestra; 8-10, Mandarin Cafe orchestra; 10-12, Clift hotel dance orchestra.
KPSN, Pasadena, Calif. (315.6m-950kc), 8-9 p. m., Star-News instrumental ensemble.

Sunday, October 10

Headliners Today

Eastern	Central	Mountain	Pacific
4:15 p.m.	**3:15**	**2:15**	**1:15**
WHAD (275.1m-1090kc), Turnverein Little symphony orchestra.			
6:20 p.m.	**5:20**	**4:20**	**3:20**
WEAF (491.5m-610kc), WRC (468.5m-640kc), KSD (545.1m-550kc), Capitol family.		WEEI (348.6m-560kc), WWJ (352.7m-850kc), WCAE (461.3m-650kc),	
8:15	**7:15**	**6:15**	**5:15**
WEAF (491.5m-610kc), WSAI (325.9m-920kc), WWJ (352.7m-850kc), WCCO (416.4m-720kc), Atwater Kent hour.		WEEI (348.6m-860kc), WGR (319m-940kc), WGN (302.8m-990kc), KSD (545.1m-550kc),	
9:30	**8:30**	**7:30**	**6:30**
WFAA (475.9m-630kc), club.		Mandolin and Guitar	
10	**9**	**8**	**7**
WLW (422.3m-710kc), "A Trio to Ireland."			
KFAB (340.7m-880kc), Sunday evening musicale.			

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WEEI—*Boston*
WTAG—*Worcester*
WFI—*Philadelphia*
WGR—*Buffalo*
WCAE—*Pittsburgh*
WRC—*Washington*
WSAI—*Cincinnati*
WTAM—*Cleveland*
WWJ—*Detroit*
WGN—*Chicago*
WOC—*Davenport*
WCCO—*Minneapolis, St. Paul*
KSD—*St. Louis*

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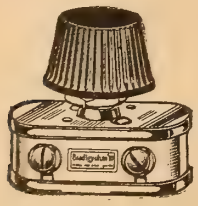

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For stations silent tonight refer to first Sunday's list.

Eastern Time Stations

WBAL, Baltimore, Md. (246m-1220kc), 7:30-8:30 p. m., concert orchestra.
WCAU, Philadelphia, Pa. (277.6m-1080kc), 5 p. m., recital; 5:15, undenominational church services; 5:30, sermons, Rev. John W. Stockwell; 5:45, recital; 6:30, Hotel Pennsylvania concert orchestra; 7:30, Cathay orchestra.
WCX, Detroit, Mich. (516.9m-580kc), 7:15 p. m., Central Methodist Episcopal church.
WDBO, Winter Park, Fla. (239.9m-1200kc), 7:30 p. m., Outdoor Union church services.
WEAF, New York, N. Y. (491.5m-610kc), 5:30-6 p. m., musicale; 6-7:30, orchestra; 7:20-9:15, Capitol theater; 9:15-10:15, Atwater Kent Radio hour.
WEEI, Boston, Mass. (348.6m-860kc), 10:45 a. m., First Church of Christ, Scientist; 2 p. m., Sager's hour of hospitality; 7:20, WEAF; 9:15, WEAF; 9:45, Keith's theater.
WEMC, Berrien Springs, Mich. (315.6m-950kc), 11 a. m., Thelma Abel, soprano; Leslie Smith, tenor; choir, services; 8:15 p. m., Lighthouse choir; duet; Martha Hutchison, soprano; Lela Beuchel, alto; Dulciana string trio.
WFI, Philadelphia, Pa. (394.5m-760kc), 7:30 p. m., services, Arch St. Presbyterian church.
WGR, Buffalo, N. Y. (319m-940kc), 10:45 a. m., Westminster Presbyterian church; 7:45, Central Presbyterian church; 9:15-10:15, WEAF.
WGY, Schenectady, N. Y. (379.5m-790kc), 10:30 a. m., First Lutheran church; 7:30 p. m., First Lutheran church; musical program.
WHN, New York, N. Y. (361.2m-830kc), 6:30 p. m., Libby's Hotel orchestra; 7:30, Calvary Baptist Church evening Services.
WJAR, Providence, R. I. (485m-618kc), 7:20 p. m., WEAF; 9:15, musicale.
WJR, Pontiac, Mich. (516.9m-580kc), 10 a. m., First Baptist church; 10 p. m., special song service.
WJZ, New York, N. Y. (454.3m-660kc), 7:05 p. m., Baptist church; 9:30, Godfrey Ludlow; 10:15, Maxwell House coffee hour:
WLIT, Philadelphia, Pa.; (394.5m-760kc), 2:15 p. m., Arcadia cafe concert orchestra.
WLW, Cincinnati, Ohio (422.3m-710kc), 7:30 p. m., First Presbyterian church; 8:30, The Supermusicone trio; 9, "A Trio to Ireland."
WMAK, Buffalo, N. Y. (266m-1130kc), 10:25 a. m., First Presbyterian church; 7:45, Churchill tabernacle.
WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Romer's Homers; 7, Ernie Golden and his Hotel McAlpin orchestra; 7:30, Olcott Vail and his string ensemble.
WOO, Philadelphia, Pa. (508.2m-590kc), 6 p. m., organ recital; 7:30, services, Bethany Presbyterian church.
WRC, Washington, D. C. (468.5m-640kc), 11 a. m., services; 4 p. m., Peace Cross services; 6:20, WEAF; 8:15, WEAF.
WSAI, Cincinnati, Ohio (325.9m-920kc), 8:45 p. m., chimes; 9, Radio sermonette; 9:15, WEAF.
WTAM, Cleveland, O. (389.4m-770kc), 11 a. m., Church of the Covenant; 3 p. m., musicale; 6, Hollenden hotel orchestra; 7, Park theater orchestra; 8, twilight musicale.
WWJ, Detroit, Mich. (352.7m-850kc), 10 a. m., St. Paul's Cathedral; 2 p. m., News orchestra; 7:20, WEAF; 9:15, WEAF.

Central Time Stations

KFAB, Lincoln, Nebr. (340.7m-800kc), 9-10:30 p. m., Sunday evening musical.
KFNF, Shenandoah. Ia. (461.3m-650kc), 10:45 a. m., First M. E. church; 2:30 p. m., Seed House song service; 3:30 p. m., M. E. Sunday school; 6:30, Golden Rule Circle; 8, services.
KLDS. Independence, Mo. (440.9m-680kc), 6:30 p. m., vesper service; 9:15, Walnut Park choir.
KMA, Shenandoah, Ia. (461m-650kc), 4-5 p. m., sacred program.
KMOX, St. Louis, Mo. (280.2m-1070kc), 9 p. m., Skouras Brothers Sunday night club.
KOIL, Council Bluffs, Ia. (305.9m-980kc), 11 a. m., First Congregational church; 7:30, Monday musical club; 11, Original Lyric serenaders.
KPRC, Houston, Tex. (296.9m-1010kc), 11 a. m., services; 7:30 p. m., services; 9:30, concert; 11, Texan theater pipe organ concert.
KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 11 a. m., St. Lukes Episcopal church; 9-10 p. m., classic hour; 10-11, organ classic.
KYW, Chicago, Ill. (535.4m-560kc), 10 a. m., Second Presbyterian church; 3:30 p. m., studio program; 8:30-10, classical concert.
WBAP, Fort Worth, Tex. (475.9m-630kc), 9:30-11 p. m., Sorin-White Top O'Texas orchestra.
WFAA, Dallas, Tex. (475.9m-630kc), 6-7 p. m., Radio Bible class; 7:30-8:30, City Temple service; 8:30-9:30, Tom D. Collins and his mandolin and guitar club; 11-12, Harry F. Hassall and his symphonic orchestra.
WGN, Chicago, Ill. (302.8m-990kc), 12-1 p. m., Uncle Walt; 1-2, Ambrose Larsen, organist; 2-3, Lyon and Healy artist recital; 3-5, musical program; 6:15-7, string quintet and soloists; 7-7:20, The Million Sing; 7:20-7:30, Old Fashioned Almanack; 7:30-8, Drake concert ensemble; Correll and Gosden; 8-8:15, ensemble, string quintet; 8:15-8:45, WEAF; 9-10, Music Room; 10, Sam 'n' Henry; 10:30-11, artists; Correll and Gosden.
WHAD, Milwaukee, Wis. (275m-1090kc), 3:15 p. m., Turnverein Little symphony orchestra.
WHAS, Louisville, Ky. (399.8m-750kc), 10 a. m., Broadway Baptist church; 4:30-5:30, choral evensong service.
WHB, Kansas City, Mo. (365.6m-820kc), 7-7:45 p. m., sermon, 8-9, evening services; 11:15-1, Linwood theater Radio feature; Morrill Moore, organist.
WHO, Des Moines, Iowa (526m-570kc), 11 a. m., St. Ambrose cathedral; 5-6 p. m., Bankers Life Little symphony; 7:30-8:30, Hotel Fort Des Moines orchestra; 11-12, musicale.
WJJD, Mooseheart, Ill. (370.2m-810kc), 8:15-9:15 a. m., Roman Catholic services; 9:30-10:30, Protestant services; 1-2 p. m., Howard Peterson, organist; 2-2:30, Bible class; 2:30-3, sacred song service; 3, popular concert; 4-5, Palmer House symphony orchestra.
WLS, Chicago, Ill. (344.6m-870kc), 6-7:55 p. m., WLS Little Brown church.
WMBB, Chicago, Ill. (250m-1200kc), 3-5 p. m., Trianon orchestra; Bob Smith; Margaret Eddy; 7:40-9, Church of Christ Scientist; 9-12, Trianon orchestra; Lombards; Arthur Truesdale.
WMC, Memphis, Tenn. (499.7m-600kc), 11 a. m., St. Mary's Episcopal cathedral.
WOAI, San Antonio, Tex. (394.5m-760kc), 11 a. m., First Presbyterian church; 7:45, Central Christian church.
WOAW, Omaha, Nebr. (526m-570kc), 9 a. m., chapel service, Christian and Missionary alliance; 1:30 p. m., Father Flanagan's Boys' home period; 2:30, old time songs; 9, services.
WOC, Davenport, Iowa (483.6m-620kc), 1-2 p. m., Old Folks' musical program; 6:30-7, First Methodist Episcopal church; 8:15-9:15, WEAF; 10-11, Palmer Little symphony.
WOK, Chicago, Ill. (217.3m-1380kc), 6-8 p. m., Tip Top Inn string ensemble concert; 8-12 m., Capitol theater organ; orchestras, studio program.
WSM, Nashville, Tenn. (282.8m-1060kc), 7:30 p. m., First Presbyterian church.

Mountain Time Stations

KOA, Denver, Colo. (322.4m-930kc), 10:50 a. m., First Church of Christ, Scientist; 5:30 p. m., Clarence C. Sharp, organist; 7:50, First Church of Christ, Scientist.

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Solomon's orchestra; 8-9, Aeolian organ; 9-10, Bob Bottger and his Venetians; 10-11, Packard six dance orchestra.
KFWB, Hollywood, Calif. (252m-1190kc), 9-11 p. m., Warner Brothers Sunday night movie frolic, Warner Brothers Syncopators.
KGW, Portland. Ore. (491.5m-610kc), 10:25-12 noon, services; 7:30-9, Hinson Memorial Baptist church; 9-10, Little symphony orchestra.
KHJ, Los Angeles, Calif. (405.2m-740kc), 7-8 p. m., service, First M. E. church; 8-10, Frederick MacMurray, viola and Orpheus Four male quartet.
KNX, Hollywood, Calif. (336.9m-890kc), 6:30-7 p. m., lecture, First Unitarian church; 7-8, service, First Presbyterian church of Hollywood; 8-9, Circle theater organ and orchestra; 9-10:30 p. m., program, Beverly Hills Nurseries.
KPO, San Francisco, Calif. (428.3m-700kc), 9:45-10:45 a. m., undenominational and non-sectarian church; 5-6 p. m., organ recital, Marshall Giselman; 6-6:30, States Restaurant orchestra; 6:35 8:35, Palace hotel concert orchestra; 8:35-10, Rudy Seiger's Fairmont hotel orchestra.
KPSN, Pasadena, Calif. (315.6m-950kc), 10:50 a. m., First Baptist church.

Monday, October 11

Headliners Today

Eastern	Central	Mountain	Pacific
9 p.m.	8	7	6

CKNC (356m-840kc), Little symphony orchestra, quartet.
WGR (319m-940kc), Little Jack Little.
WSM (282.8m-1060kc), Vito and his Radio Seven.

9:30	8:30	7:30	6:30

KFAB (340.7m-880kc), Zenith quartet.
WBAP (475.9m-630kc), Grapevine Fiddle band.
WGHP (270.1m-1110kc), Famous composers hour.

11:20	10:20	9:20	8:20

WOOD (242m-1240kc), "How It Happened," play.

For stations silent tonight refer to first Monday's list.

Eastern Time Stations

CKNC, Toronto, Can. (357m-840kc), 9 p. m., Eveready Little symphony orchestra.
WAHG, Richmond Hill, N. Y. (315.6m-950kc), 7:30 p. m., studio program; 7:45, special feature; 9, Synchrophase hour; 10:02, Veterans of Foreign Wars program; 12 m., program.
WBAL, Baltimore, Md. (246m-1220kc), 6:30-7:30 p. m., dinner orchestra; 7:30-8, quartet; 8-9, WBAL trio; 9-10, dance orchestra.
WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30 p. m., Snellenburg recital; 8, Skiler's Skylarks; 8:15, recital; 8:45, The Merry Minstrels; 9:30, LaFonte Sisters; harmony songs; 9:45, New Century brass quartet; 10:15, Maurice Patton, tenor.
WCX, Detroit, Mich. (516.9m-580kc), 6 p. m., dinner program, Goldkette ensemble; 8, studio program.
WDBO, Winter Park, Fla. (239.9m-1200kc), 8:15 p. m., Sing-play trio; 9, musical program.
WEAF, New York, N. Y. (491.5m-610kc), 4-12 midnight, Lillian M. Endress, soprano; Warren Scofield, baritone; Boris Popovitsky, pianist; Beatrice MacCue, contralto; A. and P. Gypsies; "The Bohemian Girls," WEAF Grand Opera company, dance music.
WEEI, Boston, Mass. (348.6m-860kc), 7:30 p. m., musicale; 8, musicale; 8:30-10, WEAF.
WEMC, Berrien Springs, Mich. (315.6m-950kc), 8:15 p. m., Lighthouse Music Makers.
WFI, Philadelphia, Pa. (394.5m-760kc), 6.45 p. m., Adelphia Roof Garden orchestra.
WGBS, New York, N. Y. (315.6m-950kc), 6:30 p. m., Julie Wintz and George Zimmer's Jersey Collegians; 7:10, music; 7:20, dance music.
WGHB, Clearwater, Fla. (266m-1130kc), 8:30-10 p. m., Diversified program; Max Hartlett, pianist; Hawaiian string trio.
WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert; 7:25, music; 8-8:30, Little symphony orchestra; 8:30-9:30, Famous composers hour.
WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., Joe Armbruster and his orchestra; 8:30, monologues, Will Marr; 9, Little Jack Little; 9:30-10:30, musical program; 11-1 a. m., Lopez orchestra.
WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., dinner program.
WHN, New York, N. Y. (361.2m-830kc), WHN Radio movie club; 7:30, Joe Ward's Swanee entertainers; 8:30, Roseland dance orchestra; 9, Leverich Three and "Peter the Great"; 11:30, Cotton club orchestra; 12 m., Silver Slipper orchestra.
WJAR, Providence, R. I. (485m-618kc), 8:15 p. m., musicale; 9, A. F. P. Gypsies; 10, WEAF.
WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Jean Goldkette's Petite symphony orchestra, soloists; 7:15, Caspar Lingeman entertainers; 7:45, Good Will Oakland and Chief Pontiac; 9, studio program.
WLIT, Philadelphia, Pa. (394.5m-760kc), 7:30 p. m., Dream Daddy's bedtime stories; 8, Stanley theater hour of music; 9, WEAF.
WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., Robert Visconti's orchestra; 8, Commercial Tribune feature; Mona Motor Oil Twins; Pat Patrick's orchestra; 9, WQJ program.
WLWL, New York, N. Y. (288.3m-1040kc), 8 p. m., studio program; 8:30, McEvoy concert; 9, question box; 9:30, concert; 10, cello numbers.
WMAK, Buffalo, N. Y. (266m-1130kc), 7:30-9 p. m., musicale; 9-10, Pearce and Pearce realtors; 10-10:30, Toddy orchestra.
WMCA, New York, N. Y, (340.7m-880kc), 6 p. m., Olcott Vail and his string ensemble; 6:30, Ernie Golden and his Hotel McAlpin orchestra; 8, Christian Science services; 9:15, Hardman hour of music; 12, McAlpin entertainers.
WNYC, New York, N. Y. (526m-570kc), 6 p. m., piano selections; 6:30, German lessons; 8:30, talk; 10:15, piano selections.
WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Sylvania dance orchestra; 8, organ recital; 8:30, Sesquicentennial concert; 10:30, Sam Brown's orchestra.
WOR, Newark, N. J. (405.2m-740kc), 6:15 p. m., Jacques Jacobs' Hotel Shelton ensemble; 7, Jacques Jacobs' Hotel Shelton ensemble; 7:30, Brooklyn Daily Eagle program; 9, Klein's Serenading Shoemakers.
WRC, Washington, D. C. (468.5m-640kc), 7 p. m., vesper hour; 8, WJZ; 9-11, WEAF.
WRVA, Richmond, Va. (256.3m-1170kc), 8:15 p. m., recital, Mrs. R. Hudgins, contralto; piano, violin solos; 9:10, J. Harold Lawrence, blind pianist; 10:30, Hotel Richmond orchestra; 11:30, Carry Me Back to Old Virginny.
WSAI, Cincinnati, Ohio (325.9m-920kc), 9 p. m., WEAF; 10, WEAF.
WTAM, Cleveland, O. (389.4m-770kc), 6 p. m., Guy Lombardo's Royal Canadians; 8, WEAF; 9, program; 11, orchestra.
WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 8, WEAF; 9, News orchestra.

Central Time Stations

KFAB, Lincoln, Nebr. (340.7m-800kc), 5:30-6:30 p. m., dinner concert; 8:30-10:30, Zenith quartet; Gloomy Gus, entertainer; orchestra, entertainment.
KFNF, Shenandoah, Ia. (461.3m-650kc), 7 p. m., concert, Henry Field Seed company.
KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., Jacquinot Jules, organist; 7, KMOX Radio orchestra; 8, orchestra; 9, 49th State Etherlogue; 9:30, International institute; 10, music lovers hour.

KOIL, Council Bluffs, Ia. (305.9m-980kc), 6:03 p. m., Hotel Lassen; 7:30, Woodward's Inner Circle candy nite; 9, Ray Winn and his Paramount orchestra; 10, Crosley program.
KPRC, Houston, Tex. (296.9m-1010kc), 7:30 p. m., Houstonians dance orchestra; 8:30, studio concert.
KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9-10 p. m., versatility program, KTHS artists, orchestra; 10-10:30, 15-piece harmonica orchestra, Little Rock boys' club.
KWWG, Brownsville, Tex. (278m-1080kc), 8:30-8:45 p. m., Mrs. J. B. Ward, soprano; 8:45-9, F. P. Lancaster, bass; 9-9:15, Genevieve Gilbert, soprano; Mrs T. P. Gregin, pianist; 9:15-9:30, George Desha, baritone; 12:01, novelty program.
WBAP, Fort Worth, Tex. (475.9m-630kc), 7:30-8:30 p. m., musicale; 9:30-11, Grapevine fiddleband; 11-12, Louisiana serenaders.
WFAA, Dallas, Tex. (475.9m-6:30kc), 6:30-7:30 p. m., Hauulea entertainers; 8:30-9:30, Sears-Roebuck Agricultural Foundation, La Mariquito and her Castillian orchestra.
WHAD, Milwaukee, Wis. (275m-1090kc), 6:10 p. m., organ recital, Arthur Richter; 8:30, Sally and her gang.
WHB, Kansas City, Mo. (365.6m-820kc), 7 p. m., Sweeney Radio orchestra.
WHO, Des Moines, Iowa (526m-570kc), 7:30-8 p. m., Philbreck and his Younker tearoom orchestra; 8-9, Bankers Life trio; 11-12, dance program.
WLS, Chicago, Ill. (344.6m-870kc), 6 p. m., supperbell program; 6:40-7, Maurie Sherman's orchestra.
WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Britling Cafeteria Melody Makers.
WOAW, Omaha, Nebr. (526m-570kc), 6 p. m., Hugo G. Heyn, marimba; Emil Hoffman, pianist; 6:50, Joe Bauer and his Highway gardens orchestra; 9, program.
WOOD, Grand Rapids, Mich. (242m-1240kc), 8 p. m., musicale, Little symphony orchestra; 9, staff artists; 9:30, band concert; 9:45, Wood Revelers; 10:10, Melissa Dvorak, pianist; 10:20, Wood players, "How It Happened"; 10:50, pianologues; 11, Air Mail request hour; 12, 28th Woodpile.
WSM, Nashville, Tenn. (282.8m-1060kc), 6:30 p. m., Andrew Jackson hotel orchestra; 8, Vito and his Radio Seven; 10, studio program.
WSMB, New Orleans, La. (319m-940kc), 8:30-10:30 p. m., Francis Osteen and his Black Cats orchestra; Billy Broussard, Louis Boyer, popular songsters.

Mountain Time Stations

KOA, Denver, Colo. (322.4m-930kc), 8 p. m., Scheuerman's Colorado orchestra; 8:25, KOA orchestra; June King, contralto; Evelyn Morgan, pianist; Bert Dueringer, tenor; Lewis H. Chernoff, violinist.

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Owen Fallon's Californians; 8-9, classic hour; 9-10, program, Walter M. Murphy Motors company, KPO; 10-11, program, Meiklejohn Brothers.
KFWB, Hollywood, Calif. (252m-1190kc), 6-7 p. m., Pontiac dinner hour; 8-9, program, Sealy Mattress company; 9-10, studio program; 10-11, Warner Brothers frolic.
KNX, Hollywood, Calif. (336.9m-890kc), 7-7:30 p. m., program, Pacific Palisades; 7:30-8, program, Overell's Furniture company; 8-9, program, L. W. Stockwell company; 9-10, feature program; 10-11, Alexandria hotel dance orchestra; 11-12, Ambassador hotel dance orchestra.
KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7 p. m., States Restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel concert orchestra; 8-9, Uda Waldrop hour, organ recital; 10-11, orchestra.

Tuesday, October 12

Headliners Today

Eastern	Central	Mountain	Pacific
8:30 p.m.	7:30	6:30	5:30

WGHB (266m-1130kc), Open House program.
WGHP (270.1m-1110kc), Dodge Brothers band.

Eastern	Central	Mountain	Pacific
9	8	7	6

KMOX (280.2m-1070kc), Columbus Day presentation.
WLW (422.3m-710kc), Columbus Day program.

For stations silent tonight refer to first Tuesday's list.

Eastern Time Stations

WBAL, Baltimore, Md. (246m-1220kc), 6:30-7:30 p. m., dinner orchestra; 7:30-8, Mandolin orchestra; 8-9, concert program; 9-10, City Park orchestra.
WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30 p. m., Snellenburg instrumental trio; 8, Peter Ricci, baritone; 8:15, Gurnse Buttermaker; 8:30, recital; 9, Robert Fraser, blind Gospel singer; 9:30, Charles Higgins, popular songs; 9:45, Professor Doolittle; 9:50, Chic Griffiths, Manny LaPorte, piano fiends; 10:15, John Ambrogi, tenor; 10:30, Cathay dance orchestra.
WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., Goldkette ensemble; 10, Red Apple club, WDBO, Winter Park, Fla. (239.9m-1200kc), 9:50 p. m., Chamber of Commerce musical program; 11, Jamboree and mid-night gaities.
WEAF, New York, N. Y. (491.5m-610kc), 4-12 midnight, Parnassus trio; Charles P. Wellner, tenor; Columbia University French lecture, Dr. Clark; Frank Farrell's Greenwich Village Inn orchestra; Vikings; Eveready hour; Moment Musicale; dance music.
WEEI, Boston, Mass. (348.6m-860kc), 8-11 p. m., WEAF.
WFI, Philadelphia, Pa., (394.5m-760kc), 6'45 p. m., Adelphia Roof Garden orchestra; 8, Vikings Travelogues; 8:45, Jolly Buckeye Bakers; 9, WEAF; 10, WEAF; 10:30, WEAF.
WGBS, New York, N. Y. (315.6m-950kc), 7 p. m., Arrowhead Inn concert orchestra; 7:20, dance music; 8, play, auspices Episcopal Actor's Guild; 10:30, Arrowhead Inn dance orchestra.
WGHB, Clearwater, Fla. (266m-1130kc), 7:30-8:30 p. m., dinner music.
WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert; 7:25, music, Hotel Tuller; 8-8:30, studio recital; 8:30-9:30, Dodge Brothers band; 9:30-10, novelty half hour.
WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., Lopez orchestra; 8-11:30, WEAF.
WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., dinner program; 7:45, musical program; 8-9, musical program; 9-10, WJZ; 10, WJZ; 10:30, musical program, WMAK.
WHN, New York, N. Y. (361.2m-830kc), 8 p. m., Treasureland Home Owners ensemble; 9:30, Loew's 83rd St. theatre orchestra; 10:30, Strand Roof orchestra.
WJAR, Providence, R. I. (485m-618kc), 8:05 p. m., musicale; 9, Eveready hour.
WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Jean Goldkette's Petite symphony orchestra; 8, Board of Commerce, Mt. Clemens, Mich.; 8:30, Manuel Cigar girls; 9, studio program.
WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., Robert Visconti's orchestra; 7:30, Robert Visconti's orchestra; 11, Johanna Grosse, organist.
WLWL, New York, N. Y. (288.3m-1040kc), 9 p. m., studio program; 9:30, songs, Premier male quartet; 9:45, musicale; 10:15, Premier male quartet.
WMAK, Buffalo, N. Y. (266m-1130kc), 7:30-9:30 p. m., musicale; 9:30-10:30, Dr. Pierce's Golden orchestra; WGY, WHAM, WMAK.
WEBJ, New York, N. Y. (272.6m-1100kc), 7 p. m., Raymond orchestra; 7:45, Bob Langston, tenor; 8:10, Benjamin S. Jarmus.
WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Olcott Vail and his Hotel McAlpin string ensemble; 9, Radio Shack orchestra; 11, Ernie Golden and his Hotel McAlpin orchestra; 12, McAlpin entertainers.
WNYC, New York, N. Y. (526m-570kc), 6:25 p. m., piano selections; 7:35, health talk; 10:35, songs.
WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Hotel Sylvania dance orchestra.
WOR, Newark, N. J. (405.2m-740kc), 6:30 p. m., Hotel Bretton Hall string quartet; 7:30, Premier orchestra; 8:15, Vanderbilt Hotel orchestra; 9, Wurlitzer organ recital; 9:45, Jimmy Caruso's Musical tabloid; 10:15, Ritz Carlton orchestra.
WRC, Washington, D. C. (468.5m-640kc), 7 p. m., Mayflower hotel orchestra; 9, WEAF; 10, WJZ; 10:30-11:30, Meyer Davis' Le Paradis band.
WSAI, Cincinnati, Ohio (325.9m-920kc), 8 p. m., WEAF; 9, WEAF.
WTAM, Cleveland, O. (389.4m-770kc), 6 p. m., State theater vaudeville and music; 7-10, WEAF; 11, orchestra.
WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 8, WEAF.

Central Time Stations

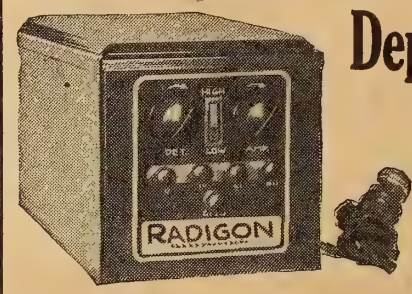
KFAB, Lincoln, Nebr. (340.7m-800kc), 5:30-6:30 Little symphony orchestra; 8-10:30, University of Nebraska program.
KFDM, Beaumont, Tex. (315.6m-950kc), 8-10 p. m., orchestra.
KFNF, Shenandoah, Ia. (461.3m-650kc), 7 p. m., concert.
KLDS, Independence, Mo. (440.9m-680kc), 8 p. m., George Miller, pianist; Margaret Gard, contralto.
KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., Jacquinot Jules, organist; 7, old timers shindig; 8, orchestra; 9, Columbus Day; 10, KMOX Radio orchestra.
KOIL, Council Bluff, Ia. (305.9m-980kc), 7:30 p. m., studio program; 8:15, Jazzmanians.
KPRC, Houston, Tex. (296.9m-1010kc), 7:30 p. m., Skyline studio concert; 9, Chamber of Commerce hour.
KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9-9:30 p. m., old fashioned favorites, Lawson Reid; 9:30-10:15, dance concert.
KYW, Chicago, Ill. (535.4m-560kc), 5:30 p. m., dinner concert; 6, Family hour; 7, Farm program; 8-9:30, classical concert; 9:30-11, Congress carnival.
WBAP, Forth Worth, Tex. (475.9m-630kc), 7:30-8:30 p. m., Wagoner Hawaiian trio; 9:30-11, Excel ensemble.
WCFL, Chicago, Ill. (491.5m-610kc), 7 p. m., Florentine string trio; 8, spinning wheel hour; 10, Alamo entertainers; 11-1 a. m., Alamo entertainers.
WFAA, Dallas, Tex. (475.9m-630kc), 6:30-7:30 p. m., Cline's Collegians; 8:30-9:30, North Texas National band chorus; 11-12, Jimmy Joy's Baker hotel orchestra.
WGBF, Evansville, Ind. (236m-1270kc), 6:30 p. m., views of the listener; 7, musicale.
WGN, Chicago, Ill. (302.8m-990kc), 6:45-7 p. m., concert ensemble, string quintet; 8-10, WEAF; 10, Sam 'n' Henry; 10:10, Music Box; 10:30, musical program; 10:40-11, Correll and Gosden.
WHAD, Milwaukee, Wis. (275m-1090kc), 6:10 p. m., dinner hour program, orchestra; 8:30, Wisconsin theater review; 10:30, George Devine's orchestra.
WHAS, Louisville, Ky. (399.8m-750kc), 7:30-9 p. m., studio concert, Eddie Rosson's orchestra.
WHB, Kansas City, Mo. (365.6m-820kc), 7-7:45 p. m., "With Gen. Woods in the Philippines," Dr. James W. Fifield; 8-9 program.
WHO, Des Moines, Iowa (526m-570kc), 7:30-8:30 p. m., 14th Cavalry band; 8:30-9, Stewart Watson, baritone; Kathryn Torey, pianist; 11-12, dance program.
WIBO, Chicago, Ill. (226m-1330kc), 6-8 p. m., Chester Neuman; Victor Young; 12-2, dance music; Oriole orchestra; Marie Tully.
WJJD, Mooseheart, Ill. (370.2m-810kc), 5:45-7 p. m., Howard Peterson, organist; symphony players; Victorians; 8-9, child artists, bands; 10-11, Victorians, Clarence Harper, Lucky Wilbur; 12:30 a. m., Settin' Up hour.
WLS, Chicago, Ill. (344.6m-870kc), 6 p. m., supperbell program; 6:40, Maurie Sherman's orchestra; 6:55, Si Spencer; 7, Rae and Lee; 7:15-7:55, special program.
WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., Chicago theater organ; 6:30, orchestra; 8:15, U. of Chicago lecture; 9:35, air line.
WMBB, Chicago, Ill. (250m-1200kc), 7-8 p. m., Trianon ensemble; Genevieve Burnham; 9-12, Trianon orchestra; Arthur Schafer; Heavenly Twins; Bob Bennett.
WMC, Memphis, Tenn. (499.7m-600kc), 8:30 p. m., Hotel Gayoso orchestra; 11, frolic.
WOAI, San Antonio, Tex. (394.5m-760kc), 8:30 p. m., Gebhardt Mexican players.
WOAW, Omaha, Nebr. (526m-570kc), 6 p. m., classical; 6:20, popular song period; 6:50, Pat's Melody boys; 9, program, popular and old time music.
WOC, Davenport, Iowa (483.6m-620kc), 7-7:30 p. m., WEAF; 7:30-8, William Lyons, harmonica soloist; 8-9, WEAF; 9-10, Knights of Pythias band.
WOK, Chicago, Ill. (217.3m-1380kc), 6-8 p. m., string ensemble; 8-12 p. m., organ concert; Cocoanut Grove orchestra; studio program, dance orchestras.
WOOD, Grand Rapids, Mich. (242m-1240kc), 8 p. m., instrumental quartet; 9, classical concert; 10:10, dance orchestra.
WSM, Nashville, Tenn. (282.8m-1060kc), 8 p. m., studio program.

Mountain Time Stations

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra; 8:30, wit and humor.

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., Howard's Quality serenaders; 8-9, Screen Artists string quartet with Robert Hurd, tenor; 9-10, instrumental ensemble; 10-11, Packard Radio club.
KFWB, Hollywood, Calif. (252m-1190kc), 6-7 p. m., Pontiac dinner hour; 8-9, Dan Gridley, tenor; Ashley Sisters; 9-10, Bill Hatch and his orchestra; 10-11, Wanner Brothers frolic.
KGW, Portland, Ore. (491.5m-610kc), 6-7 p. m., dinner concert; 10-12, Herman Kenin and his orchestra; Curt Kramer, pianist.
KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., weekly visit, Queen Titania and the Sandman; 8-10, Stewart-Warner quartet, Mona Content, pianist; 10-11, L. A. Ry. dance orchestra.
KNX, Hollywood, Calif. (336.9m-890kc), 7-7:45 p. m., program, Dearden's Furniture company; 8-9, program, Builder's Finance Ass'n; 9:10, program, Western Auto Supply company; 10-12, Ambassador hotel dance orchestra.
KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7 p. m., States Restaurant orchestra; 7-7:30, concert orchestra; 8-9, Mandarin Cafe orchestra; 9-10, KPO trio; Gypsy and Marta, harmony team; 10-11, dance orchestra.
KPSN, Pasadena, Calif. (315-6m-950kc), 8-9 p. m., James H. Shearer, organist; George Frenger, tenor.



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COAST TO COAST THROUGH LOCALS Omaha, Nebraska. Miracois a wonder for distance, volume, tone. We have 5 local broadcasting stations here and she goes right thru and brings them from coast to coast. No trouble at all. H. N. Eller.

BEATS OTHERS FOR SELECTIVITY. Cleveland, O. Have been up against some pretty good radio men with other sets and this receiver has them guessing. In selectivity, volume and range it has outdone several. We were able to cut out WTAM (powerful local station) in 3 points, to bring in other stations. W. C. Pike.

HONOLULU TO LONDON FROM IOWA. Anthon, Iowa. Here are some of the stations we picked up on the Miraco 5 Sunday Jan. 24 between 10 and 11 P. M.: 2LO London, KVOO Honolulu, Hiawaii; WKAQ San Juan, P. R. and a station in Ireland; could not get call letter. John Kuhn.

NEW YORK LOGS 183 STATIONS Buffalo, N. Y. I received 2LO London, 11:05 on Monday night but there was so much interference it was not very plain. I also logged 163 stations in U. S. and Canada. Satisfied user of Miraco. Norman W. Ives.

NEBRASKA HEARS PORTO RICO ON SPEAKER. Spencer, Nebraska. Using the Miraco 5 we have often heard Mexico City, Porto Rico, Miami, Florida, Ottawa, Canada and Vancouver, B. C. Canada and all along the Pacific Coast. All the above stations on the speaker. Have also heard Lima, Peru, South America. H. J. Schmidt.

TONE, VOLUME, DISTANCE. Elbing, Kans. We like our Miraco fine especially because of its volume, tone and its freedom from howling. Although I do not try much for distance we received programs from Oakland, Cal.; Los Angeles, New York, Miami and Havana. In my opinion it's the best ever. Mrs. E. A. Regier.

MIRACO EQUALS $240 SET. Onaka, S. D. Miraco works fine. Selective and plenty of volume. Stations logged include Winnipeg, Canada; PWX, Havana, Cuba; and CYL, Mexico City, Mexico. Have heard quite a few sets, one costing as much as $240, but can't see where it is any better. Clarence Rusch.

NO HOWLS---SUPERIOR TO COSTLY SETS. Modoc, Ind. We certainly enjoy our Miraco-5. Results equal to any radio I ever heard and far superior to most radios costing a great deal more. All stations come in loud and clear on the loud speaker. James Tullis

OUTPERFORMS 6 AND 8 TUBE SETS. Duncansville, Pa. I don't think there is a better receiving set made than a Miraco-5. Stations received—all on the loud speaker—include KFI, Los Angeles, California—distance, 2,250 miles. I got this on loud-speaker plain, when others couldn't get it with 6 and 8 tube sets. Also have heard Can., Colo., Fla., Cuba, Neb. and many other states. S. D. Fowkes.

CALIFORNIA HEARS PENNA. ON THE SPEAKER. San Rafael, Calif. I have purchased three of your sets and will give you an idea of what the Miraco-5 does out here. I have logged 86 stations, which I can get nearly any time I try. Mexico City on the South to CFCN, Calgary, Canada, on the North, with Honolulu to the West and E. Pitts., Pa., to the East. All on loud speaker, clear and plain. Roy I. Sharer.

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NAME:

ADDRESS:

Wednesday, October 13

Headliners Today

Eastern	Central	Mountain	Pacific
7:30 p.m.	6:30	5:30	4:30
WLW (422.3m-710kc), Pink of programs.			
8:30	7:30	6:30	5:30
WGR (319m-940kc), Little Jack Little.			
8:45	7:45	6:45	5:45
WRVA (256m-1170kc), Hawaiian trio.			

For stations silent tonight refer to first Wednesday's list.

Eastern Time Stations

PWX, Havana, Cuba (399.8m-750kc), 8-10 p. m., Military band music.

WAHG, Richmond Hill, N. Y. (315.6m-950kc), 7:30 p. m., Margie Make-believe; 7:45, musical program; 8:30, special feature; 8:45, artists' recital; 10:02, Good humor boys.

WCAU, Philadelphia, Pa. (277.6m-1080kc), 7:30 p. m., Snellenburg recital; 8, Melrose concert quartet; 8:30, recital; 9, Minerva Rose Chadwin, soprano; 9:25, Charles Borelli, songs; 9:40, Senator Hassenpfeffer; 9:45, Frank Cook, old-time songs; 10, Cheer-up club.

WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., Goldkette's ensemble; 8-9, studio program.

WDBO, Winter Park, Fla. (239.9m-1200kc), 8:15 p. m., violin and piano recital, Winter Park trio.

WEAF, New York, N. Y. (491.5m-610kc), 4-12 midnight, William Kenney, tenor; Madelyn Sheppard, spirituals; tea music; services, United Synagogue of America; Davis' Saxophone octet; Smith Brothers; "Lovely Galatea," WEAF Light Opera company; Ben Bernie's orchestra.

WEBJ, New York, N. Y. (272.6m-1100kc), 8 p. m., Ormond Aces; 8:45, Phillip Krumholz, baritone; 9, Carrie Cohen, pianist; 9:15, Kathryn Connolly, soprano; 9:20, McLean's dance orchestra.

WEEI, Boston, Mass. (348.6m-860kc), 8-11, WEAF.

WEMC, Berrien Springs, Mich. (315.6m-950kc), 8:15 p. m., Mrs. A. Chaney, pianist; Thurber Madison, violinist; Ellis Maas, bass.

WFI, Philadelphia, Pa. (394.5m-760kc), 6:45 p. m., Adelphia Roof Garden orchestra.

WGBS, New York, N. Y. (315.6m-950kc), 6:30 p. m., Fess Williams Savoy dance orchestra; 7:20, dance music.

WGHB, Clearwater, Fla. (266m-1130kc), 8:30-10 p. m., open house program; Caroline Lee, "The Virginia Girl" and her Spanish guitar; Bob Houts, baritone; Charlie Hoar and Paul McVey, piano and vocal team.

WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert; 7:25, music; 8-8:30, studio program; 8:30-9, Camp Fire program; 9-10, Little symphony orchestra.

WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., two-piano recital, Gospel Melodists; 8, dance program; 8:30, Little Jack Little; 9-10:30, WEAF.

WGY, Schenectady, N. Y. (379.5m-790kc), 7-7:45 p. m., Eastman theater program; 8:30, WHAM program.

WHN, New York, N. Y. (361.2m-9:30kc), 7:30 p. m., Loew's Lexington theatre organ recital; 9, Loew's New York theatre orchestra; 9:30, Loew's 7th Avenue concert program; 10, Roseland dance orchestra; 11:30, Silver Slipper orchestra.

WJAR, Providence, R. I. (485m-618kc), 8 p. m., Palais D'Or orchestra; 8:30, Davis Saxophone Octet; 10, light opera hour.

WJR, Pontiac, Mich. (516.9m-580kc), 7 p. m., Jean Goldkette's Petite symphony orchestra; 7:45, Good Will Oakland, Chief Pontiac; 9, studio program; 11, Murphy Brothers, organist, tenor, baritone; 12, Merry Old Chief, Jewett Jesters.

WLIT, Philadelphia, Pa. (394.5m-760kc), 8 p. m., WEAF.

WLWL, New York, N. Y. (298.3m-1040kc), 9 p. m., trio; 9:30, songs; 10, violin recital; 10:30, trio.

WMAK, Buffalo, N. Y. (266m-1130kc), 7:30-10 p. m., musicale.

WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Olcott Vail and his string ensemble; 6:30, Ernie Golden and his orchestra; 7:30, Finkenberg duet; 12 m., McAlpin entertainers.

WNYC, New York, N. Y. (526m-570kc), 6:10 p. m., piano selections; 6:30, Spanish lessons; 7:35, talk, Dept. of Public Welfare.

WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., Hotel Sylvania dance orchestra; 9, concert from Sesquicentennial exposition; 10:30, Sam Brown's dance orchestra.

WOR, Newark, N. J. (405.2m-740kc), 6:15 p. m., Jacques Jacobs' Hotel Shelton ensemble; 7, Jacques Jacobs' Hotel Shelton ensemble; 7:45, "Topics of the Day"; 8, French Line program.

WRC, Washington, D. C. (468.5m-640kc), 7 p. m., Hotel Washington orchestra; 8:30-9:30, WEAF; 9:30, announced; 10-11, WEAF.

WRVA, Richmond, Va. (256.3m-1170kc), 8:15 p. m., old hymns; 8:45, Smithers Hawaiian trio; 9:15, piano recital; 9:30, organ recital, choir, soloists; 10:30, Carry Me Back to Old Virginny.

WSAI, Cincinnati, Ohio (325.9m-920kc), 8:30 p. m., WEAF; 9-10:30, WEAF; 10:30, Congress Playing Card string quartet.

WTAM, Cleveland, O. (389.4m-770kc), 6:15 p. m., Hotel Cleveland orchestra; 7:30, program; 10:30, Serenaders.

WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 8, WEAF; 8:30, News orchestra; 9, dance program, WEAF; 10, News orchestra, soloists.

Central Time Stations

KFAB, Lincoln, Nebr. (340.7m-800kc), 5:30-6:30 p. m., dinner concert; 8:30-10:30, variety program, orchestra entertainment.

KFNF, Shenandoah, Ia. (461.3m-650kc), 7 p. m., concert, Henry Field Seed company.

KMOX, St. Louis, Mo. (280.2m-1070kc), 6:30 p. m., Jacquinot Jules, organist; 7-8:30, sacred music; 9, Million Population club; 9:30, "In Algiers."

KPRC, Houston, Tex. (296.9m-1010kc), 7:30 p. m., Jack Willrich's orchestra; 8:30, studio concert.

KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9-9:20 p. m., Lon Chassy, violinist; 9:20-10, opera and light opera successes, ensemble; 10-1:30 a. m., dance concert.

KYW, Chicago, Ill. (535.4m-560kc), 5:30 p. m., dinner concert; 6, Family hour; 8-9:30, classical concert; 9:30-11, Congress carnival.

WCFL, Chicago, Ill. (491.5m-610kc), 7 p. m., Florentine string trio; 8, Variety hour; 10-1 a. m., Alamo orchestra, entertainers.

WGN, Chicago, Ill. (302.8m-990kc), 6:45-7 p. m., concert ensemble, string quintet; 8:30, Correll and Gosden; 8:45-10, Arabian nights' entertainment; 10, Sam 'n' Henry; 10:10, Music Box; 10:30-12:30 a. m., Pepper Party.

WHAD, Milwaukee, Wis. (275m-1090kc), 6:10 p. m., Arthur Richter, organist; 11:30, organ recital.

WHAS, Louisville, Ky. (399.8m-750kc), 7:30-8:40 p. m., Joe Hillebrand's orchestra; 8:40-9, Mrs. James Fowlkes, soprano.

WHB, Kansas City, Mo. (365.6m-820kc), 7-8 p. m., K. C. artist string trio; 10:45-11:45, midweek musicale.

WHO, Des Moines, Iowa (526m-570kc), 6-7 p. m., Bankers Life Little symphony; Myrtle Williams, soloist; 7-7:10, Uncle Dutch; 7:10-8, Hotel Fort Des Moines orchestra; 8-9:30, Hapac Grotto quartet; Kate Miller, whistler; 9:30-11:30, dance programs.

WIBO, Chicago, Ill. (226m-1330kc), 6-8 p. m., Jean Carlson; Katherine Kovach; 10-12, Oriole orchestra; Howard Neumiller.

WJJD, Mooseheart, Ill. (370.2m-810kc), 5:45-7 p. m., Howard Peterson, organist; symphony players; Victorians; 8-9, child artists; 10-11, Victorians; Gail Bandell, John Norton; 12:30 a. m., Settin' Up hour.

WLS, Chicago, Ill. (344.6m-870kc), 7 p. m., Rae and Lee; 7:15, duo; 7:30, Ralph Emerson, organist; 8:30, Merle Cullen, tenor; 9:30, Rae and Lee production; 10, Maurice Sherman's orchestra; 10:30-12, popular music.

WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., organ; 8, Dr. Keating; 9, musicale; 9:50, air line.

WMBB, Chicago, Ill. (250m-1200kc), 7-8 p. m., Trianon Duo; Monte Blunn, tenor; Arthur Clippinger, baritone; 9-12, Trianon orchestra; Monte Blunn.

WOAI, San Antonio, Tex. (394.5m-760kc), 8:30 p. m., Delaware Punch program.

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WOC, Davenport, Iowa (483.6m-620kc), 9-9:30 p. m., WEAF; 9:30-10:30, Erwin Swindell, organist.
WOK, Chicago, Ill. (217.3m-1380kc), 6-8 p. m., string ensemble; 8-12 m., organ concert; Tearney's Town club orchestra; studio program, dance orchestras.
WOOD, Grand Rapids, Mich. (242m-1240kc), 8 p. m., semi-classical program; 9, Willard Battery hour, artists; 10:10, dance orchestra.
WSM, Nashville, Tenn. (282.8m-1060kc), 7 p. m., bedtime story; 8, studio program; 10, musicale.
WSMB, New Orleans, La. (319m-940kc), 8:30-10:30 p. m., concert program, Loew's State theater.

Mountain Time Stations

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., dinner concert; 8, Scheurman's Colorado orchestra; 8:15, scientific football; 8:25, Public Service Company of Colorado; orchestra: Royden S. Massey, tenor; Jane Ballantyne, contralto; character story, Jessie Pringle; Little symphony; Everett E. Foster, baritone.

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7 p. m., Westerland trio; 7:30 p. m., Nick Harris detective story; 8-9, program, California Petroleum corp.; 9-10, Patrick-Marsh dance orchestra; 10-11, Chas. Beauchamp, tenor.
KFWB, Hollywood, Calif. (252m-1190kc), 6-7 p. m., Pontiac dinner hour; 7-8, program, Corduroy Tire stores; 8-10, dance orchestra and soloists; 10-11, Warner Brothers frolic.
KHJ, Los Angeles, Calif. (405.2m-740kc), 6:30-7:30 p. m., Uncle John and the children; 8:10, Times de luxe program; 10-11, Jerry Grant and his orchestra.
KNX, Hollywood, Calif. (336.9m-890kc), 7-8 p. m., program, Wilson Packing company; 8-9, program, Security Trust and Savings bank; 9-10, program, El Sereno Country club; 10-11, Edgewater club dance orchestra; 11-12, Ambassador hotel dance orchestra.
KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7 p. m., States Restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel concert orchestra; 8-9, Atwater Kent artists; 9-10, Clift hotel dance orchestra; 10-11, States Restaurant orchestra.

Thursday, October 14

Headliners Today

Eastern	Central	Mountain	Pacific
8:30 p.m.	7:30	6:30	5:30
WRVA (256m-1170kc), Old Fiddlers contest.			
9	8	7	6
WHAS (399.8m-750kc), Honolulu Serenaders.			
9:30	8:30	7:30	6:30
WFAA (475.9m-630kc), Mickwitz club recital.			
12 m.	11	10	9
WBAP (475.9m-630kc), Southern Melody boys.			

For stations silent tonight refer to first Thursday's list.

Eastern Time Stations

WBAL, Baltimore, Md. (246m-1220kc), 6:30-7:30 p. m., dinner orchestra; 7:30-8, mixed quartet; 8-9, WBAL, trio; 9-10, dance orchestra.
WCAU, Philadelphia, Pa. (277.6m-1080kc), 6:30 p. m., Cathay orchestra; 7:30, Snellenburg instrumental trio; 8, Saddler's Plantation serenaders; 8:45, Getz Go-Getters; 9, Kathryn Jordan, songs; 9:30, Musical Cheis; 9:55, Professor Doolittle; 10, The Hood Boys.
WCX, Detroit, Mich. (516.9m-580kc), 6-7 p. m., Goldkette ensemble; 8-9, studio program.
WEAF, New York, N. Y. (491.5m-610kc), 4-12 midnight, May Breen, banjoist; Peter De Rose, pianist; mid-week hymn sing; Serenaders; Schickerling quartet; Clicquot Club Eskimos; Silvertown Cord orchestra.
WEEI, Boston, Mass. (348.6m-860kc), 8 p. m., musicale; 8:15-11, WEAF.
WFI, Philadelphia, Pa. (394.5m-760kc), 6:45 p. m., Adelphia Roof Garden orchestra; 8, Savoy Bearcats; 8:30, WEAF; 9, WEAF; 10, WEAF.
WGHB, Clearwater, Fla. (266m-1130kc), 7:30-10 p. m., dinner music.
WGHP, Detroit, Mich. (270.1m-1110kc), 6 p. m., dinner concert; 7:25, music; 10-11, Frolickers; 11-12, Skylarkers, instrumental and vocal.
WGR, Buffalo, N. Y. (319m-940kc), 6:30 p. m., Lopez orchestra; 8-11, WEAF.
WGY, Schenectady, N. Y. (379.5m-790kc), 6:30 p. m., dinner program; 7:45-9, Syracuse university; 9,10, WTZ; 10-11, WJZ; 11:30, organ recital, Stephen Boisclair.
WHN, New York, N. Y. (361.2m-830kc), 8 p. m., Will Oakland's Chateau; 8:30, Overture and Vaudeville, Loew's Gates theatre; 11:30, Cotton club orchestra.
WLW, Cincinnati, Ohio (422.3m-710kc), 7 p. m., Robert Visconti's orchestra; 10, dance music, Castle farm; 10:15, Latonia Melody Boys; 10:45, Pep Golden, Al Kirschner; 11, dance music; 11:15, Missouri and Florence Kinney; 12:15, Night Howls.
WMCA, New York, N. Y. (340.7m-880kc), 6 p. m., Olcott Vail and his string ensemble; 9, Solow soloists; 10, Strauss serenaders; 11, Ernie Golden and his orchestra; 12, Broadway Nite.
WNYC, New York, N. Y. (526m-570kc), 7 p. m., piano; 7:20, "Keeping Fit," Joe Ruddy;; 7, Civil Service commission; 7:35, health hints.
WOO, Philadelphia, Pa. (508.2m-590kc), 7:30 p. m., hotel Sylvania dance orchestra.
WRC, Washington, D. C. (468.5m-640kc), 7 p. m., dinner music; 8, WJZ; 8:30, announced; 9, WJZ; 10-11, W. Spencer Tupman's Mayflower orchestra.
WRVA, Richmond, Va. (256.3m-1170kc), 8:30 p. m., old fiddlers contest; 11:30, Carry Me back to Old Virginny.
WSAI, Cincinnati, Ohio (325.9m-920kc), 7 p. m., program, Stowell Coffee company; 8, WEAF; 8:30-11, WEAF.
WTAM, Cleveland, O. (389.4m-770kc), 6 p. m., orchestra; 7:30-9, WEAF; 9, Our hour; 10, orchestra; 11, orchestra.
WWJ, Detroit, Mich. (352.7m-850kc), 6 p. m., dinner concert; 8, WEAF.

Central Time Stations

KFNF, Shenandoah, Iowa (461.3m-650kc), 7 p. m., Conrad Buchholz, Falls City, Nebr.
KLDS, Independence, Mo. (440.9m-680kc), 8 p. m., studio program.
KOIL, Council Bluffs, Iowa (305.9m-980kc), 6:03 p. m., Skinner Mfg. company; 8, Famous Scotch trio; 11, Original lyric serenaders.
KPRC, Houston, Texas (296.9m-1010kc), 7:30 p. m., Blanchard's dance orchestra; 8:30, Skyline studio concert.
KTHS, Hot Springs National Park, Ark. (374.8m-800kc), 9-9:50 p. m., dance concert; 9:50-10:30, specialties, guest artists.
KYW, Chicago, Ill. (535.4m-560kc), 5:30 p. m., dinner concert; 6, Family hour; 7:20-8, musical program; 8-9:30, classical concert; 9:30-11, Congress carnival.
WBAP, Fort Worth, Texas (475.9m-630kc), 7:30-8:30 p. m., Panther Hawaiian trio; 9:30-11, Davis Baking Powder saxophone octet; 11-12, Southern Melody Boys.
WCFL, Chicago, Ill. (491.5m-610kc), 7 p. m., Florentine string trio; 8, classical hour of music; 10, Alamo orchestra; 11-1 a. m., Alamo entertainers.
WFAA, Dallas, Texas (475.9m-630kc), 6:30-7:30 p. m., Jimmy Joy's Baker hotel orchestra; 8:30-9:30, Mickwitz club recital.
WGN, Chicago, Ill. (302.8m-990kc), 6:45-7 p. m., request program, Drake concert ensemble, Blackstone string quintet; 8-10, orchestra; 10, Sam 'n' Henry; 10:10, Music Box; 10:20, artists; Bobby Meeker's Drake hotel orchestra; 10:40-11, Cœrell and Gosden.
WHAS, Louisville, Ky. (399.8m-750kc), 7:30-8 p. m., Reynolds Kent orchestra; 8-9, Honolulu serenaders.
WHB, Kansas City, Mo. (365.6m-820kc), 7-7:45 p. m., organ concert; 8-9, Hiner school band.
WHO, Des Moines, Iowa (526m-570kc), 7:30-8 p. m., Philbreck's Younker tearoom orchestra; 8-9, Bankers Life trio; Stewart Watson, baritone; 11-12, dance music.
WIBO, Chicago, Ill. (226m-1330kc), 6-8 p. m., Uptown Conservatory of Music; 12-2, Oriole orchestra; Wayne Meyers; Marie Tully.
WJJD, Mooseheart, Ill. (370.2m-810kc), 5:45-7 p. m., Howard Peterson, organist; symphony players; Victorians; 8-9, child artists; 10-11, Victorians, WJJD quartet; 12:30 a. m., Knights of the Burning Candle.
WLS, Chicago, Ill. (344.6m-870kc), 6 p. m., supperbell music; 6:40, Maurie Sherman's orchestra; 6:55, Si Spencer; 7, Roe and Lee; 7:15-7:55, WLS trio.
WMAQ, Chicago, Ill. (447.5m-670kc), 6 p. m., organ; 6:30, orchestra; 8:15, U. of Chicago lecture; 8:35, Whitney trio; 8:55, WMAQ players; 9:50, air line.
WMBB, Chicago, Ill. (250m-1200kc), 7-8 p. m., Trianon ensemble; Walter Kilday; Scotch program; 9-12, Trianon ensemble; Lombards.
WOAW, Omaha, Nebr. (526m-570kc), 6:50 p. m., Lillian Madsen, popular entertainer; 9, deluxe program.
WOC, Davenport, Iowa (483.6m-620kc), 7-7:30 p. m., WEAF; 7:30-8, Moline Plowboys; 8-9, WEAF; 9-10, WEAF.
WOOD, Grand Rapids, Mich. (242m-1240kc), 8 p. m., Van Campen hour of music; 9, staff artists; 10:10, dance music.
WSMB, New Orleans, La. (319m-940kc), 8:30-10:30 p. m., Radio Revelers orchestra; Liberty theater orchestra.

Mountain Time Stations

KOA, Denver, Colo. (322.4m-930kc), 6:30 p. m., Brown Palace string orchestra.

Pacific Time Stations

KFI, Los Angeles, Calif. (467m-642kc), 7-8 p. m., program, students of Univ. of South Calif.; 8-9, KFI drama hour; 9-10, varied program; 10-11, Azure Music club, Jim, Jack and Jean trio.
KFWB, Hollywood, Calif. (252m-1190kc), 6-7 p. m., Pontiac dinner hour; 8-9, program, McGavin Brothers Bakeries; 9-10, program, Chapman's Ice Cream; 10-11, Warner Brother frolic.
KNX, Hollywood, Calif. (336.9m-890kc), 7-8 p. m., Carthay Circle theater organ recital; 8-9, feature program; 9-10, program, Don P. Smith, Inc.; 10-11, feature studio program; 11-12, Ambassador hotel dance orchestra.
KPO, San Francisco, Calif. (428.3m-700kc), 6:30-7 p. m., States Restaurant orchestra; 7-7:30, Rudy Seiger's Fairmont hotel concert orchestra; 8-9, feature program; 9-10, feature program; 10-11, Mandarin Cafe orchestra.

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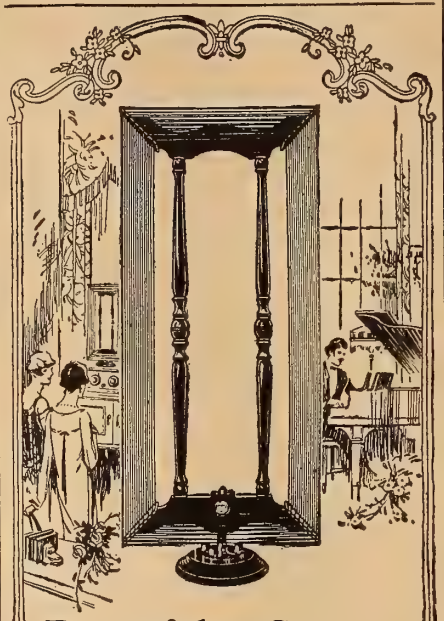

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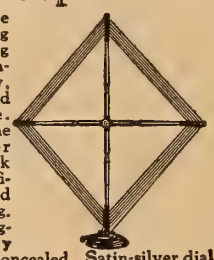

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"GOODY GOODY GIRL"

(Continued from page 11)

"You knew I was here all the time?"

"I suspected it. I was looking out the window when Raymond helped you on the train. Later when I saw him so distracted—once he bumped into me without recognizing me—I associated it with you at once. I looked through the train without finding you and knowing this was Raymond's drawing room, I stopped. Just at the right time, wasn't it?"

"You were listening?"

"Not intentionally. Please don't believe that. But he was talking pretty loud . . . I couldn't help but hear in spite of the closed door and the racket of the train . . . I thought I'd best deal myself a hand—"

Lois took pity on her. "No apology is required. I'm really grateful to you, Mrs. Gayton. Just the same, I'm sure I could have taken care of myself—"

"OH, WHY does every girl think that?" There was a hint of exasperation in the older woman's voice. "That's the reason so many of them end up in trouble—when they find they can't take care of themselves after all."

"I can't believe Mr. Lancaster meant me any harm. He had lost his head for a moment, that's all. Up to then he'd been so nice, so chivalrous—"

Mrs. Gayton made an impatient gesture. "There's no such thing as chivalry when a man is strongly enough tempted, my dear little unsophisticated girl. The best of them will pounce on a woman then."

"Pounce?" Lois made a little grimace of distaste. "You make it out like men were wolves or—"

"Most of them are just that. Wolves. A woman is fair prey, they think. They'll do just what I said—pounce, if they have an opportunity. Of course some are worse. Jackals. They wait until she drops exhausted from battling the wolves."

"How horrible you make it. I don't believe Mr. Lancaster is either a wolf or a jackal."

"I suspect he isn't called 'Wild Oats' Lancaster for nothing."

"'Wild Oats.' That sounds worse even than calling him a wolf. Why is he called that, Mrs. Gayton?"

"Nicknames usually explain themselves. I really don't know him so very well. I see him here, there and the other place; usually where men of money are to be found. I imagine he has quite a bit of his own. Has something to do with some house in La Salle Street, I understand. Stocks and bonds or something like that."

"HE'S NOT—not—married, is he?" Mrs Gayton shrugged. "One never knows. I think not, though. He doesn't seem to be. You're quite taken by him, aren't you? Don't let yourself in for anything because of him—and don't resent my telling you this, will you?"

"Of course not. Anyhow, I don't expect to see him again. Some time tonight I'll be getting off this train and taking another one back."

"You say that as if it were something dreadful that was waiting for you. Want to tell me about it? Perhaps I can help."

Almost before she knew it, Lois found herself pouring out the story. It was nice, she reflected, to have someone interested in your troubles, your hopes and your plans. Mrs. Gayton seemed interested and to understand, too. She seemed to understand even about Primus, Quintus and Octavus, for all she found it amusing.

Suddenly she threw an impulsive arm about Lois' shoulders. "How can you go back to it all?"

"How can I help myself?"

"Look here, Lois—you don't mind my calling you that?—come on to Chicago with me. Be my guest for two weeks, three, as long as you like. Something might turn up. Who knows? You might find a way of putting that horrible little misnamed Paradise behind you forever. You at least can find out definitely whether you have a voice or not. I can arrange for some good teacher to hear you. What do you say?"

Lois clasped her hands enthusiastically. "Oh, I'd love to do it, but—" her elation vanished, "I can't afford it."

"I'VE GOT plenty of money."

"But I couldn't borrow from you."

"I didn't mean to lend it to you, but give it. What's a few dollars between friends? Besides, it would please me, give me a chance to regain some of the enthusiasm I had at your age. I just won't have you refuse. There, it's decided for you. Just press the button and I'll have the porter bring that ogre of a conductor. I'll fix him."

When, however, someone tapped upon the door a moment later it was not the porter. It was a man, middle-aged, tall and rangy, whose lean, saturnine face ended in a pointed, close-shaven chin of the same blue-white as a plucked fowl. He proved to be the Neil Becker whose name had brought a frown to Raymond Lancaster's face when Mrs. Gayton mentioned it. Lancaster, he said, had told him where Mrs. Gayton was and he had come to ask when she would be ready for dinner.

"Fifteen minutes," she told him. "Sit down and amuse Miss Sylvester while I attend to a few things."

She hurried out and Lois spoke to Becker. "I think she's a darling. I'm going to be her guest in Chicago for a while. Isn't that great?"

The news appeared to startle him. For just a second Lois saw his black eyes widen in surprise and a look that might have been displeasure came into them. Then the lids dropped again and he was suavely agreeing with her that it was great.

"We must throw a party for you right off the bat," he said, and was still making plans for it when Mrs. Gayton reappeared.

With her came Lancaster, who, it seemed, was to be turned out of his drawing room, which would be occupied by Lois and Mrs. Gayton. He would take the section in another car which Mrs. Gayton would vacate. The conductor, it appeared, had not proved difficult after all.

LOIS had an uneasy feeling that Becker did not approve of all this. What had he to do with it? she wondered, watching his smoldering black eyes which, in turn, were fastened upon Mrs. Gayton. She seemed ill at ease all of a sudden. Lancaster, too, appeared somewhat upset. All together the air was tense, electric. Lois was glad when Lancaster, recalling she had eaten no lunch, carried her off for the thrill of her first meal in a railroad diner.

"I was afraid they'd ask us to get a table for four and save places for them," he confided as they made their way through the train. "Now we can be by ourselves."

She was glad of that, too, specially when quite a little bit later Mrs. Gayton and Becker came in. There was a sullen, grim look on his face, a defiant one on hers, and Lois could see that they had little

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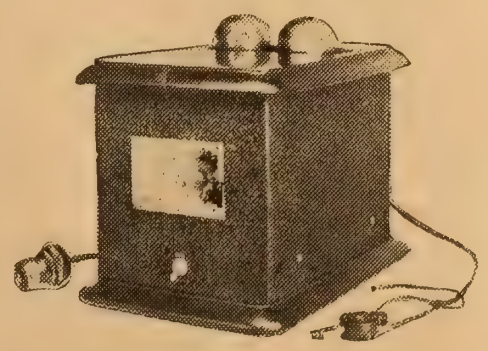

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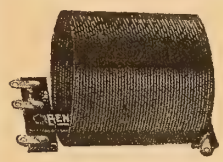

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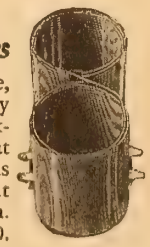

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(Continued from page 27)

to say to each other while they ate. Had they been quarelling and had it anything to do with her? She forbore asking questions of Lancaster, however, and later when all four of them went to the observation car together things seemed to have cleared and she forgot everything else in the delight of knowing that she was going to Chicago.

CHAPTER V

Chicago

THE FOLLOWING morning brought Chicago.

Lois, following Mrs. Gayton out of the dingy old Illinois Central station at Twelfth street, was held spellbound by her view of the imposing skyline of Michigan boulevard on the far side of the treeless spaces of Grant Park.

Then a sleek, purring limousine slid up under the arch of the driveway and Mrs. Gayton motioned her to get in. The liveried chauffeur tipped the visor of his cap, but his face held an unmistakable sneer. Lois flushed uncomfortably. The sneer, she knew, must be for her, the salute for her hostess.

Then she forgot it in the absorption of watching the kaleidoscope constantly changing before her eyes as they rolled north. Presently she turned those same wide and shining eyes upon the smiling, amused woman beside her.

"Oh, I love it," she cried. "I never dreamed a big city would be like this. I thought it would be harsh, forbidding, cruel—and it's not. It's wonderful!"

Mrs. Gayton patted her hand understandingly. "Don't let the rose-colored spectacles deceive you, dear. Chicago is all that you say, but it has the other side, the harsh, cruel side, just as you imagined. Let's hope you won't see that. This is Lincoln Park." She spoke to the driver through the tube at her side. "Take the outside drive along the lake."

A QUARTER of an hour later the car turned right off Sheridan road toward the lake and drew up in front of one of the hundreds of huge apartment buildings which dot the Wilson avenue district. A uniformed bellboy came running out for their luggage, an obsequious doorman in blue and gold lace bowed them through into an ornate lobby, another uniformed youth shot them skyward in a fast elevator. Lois was quite breathless with the speed of it all when, many stories up, they got off in a long hallway whose twin walls were studded with a score of doors identically alike.

Mrs. Gayton pressed a button in the wall beside one of these doors and it was thrown open by a trim, pleasant-faced girl of about Lois' own age, neat in the black and white of a maid.

"Welcome home, madame," she said with a curtsy for her mistress.

Mrs. Gayton nodded. "Thanks, Susette. This is Miss Sylvester, who is to be my guest. See that the—the—spare bedroom is made ready for her."

The maid with another curtsy closed the door and departed. Mrs. Gayton drew off her gloves and sank into an easy chair. "Heavens, it's good to be back."

Lois still stood, entranced by her surroundings. The big apartment with its heavy upholstered furniture, its thick rugs, its expensive hangings was something she had known existed but never had seen. Its cool comfort and beauty had struck her all of a heap. Inside her something cried out that this was the kind of thing she wanted for herself.

She still was in the grip of enchantment when Susette came to say her room was ready. It persisted as she followed the girl down the hall and passed through an open door which the other indicated. Then, just like that, the spell was shattered.

IT WAS a sight of her own few pitiful belongings that did the trick. Susette had taken them from the battered suitcase and laid them out. How cheap, how shabby, how out of place they seemed in this magnificent setting!

Lois felt herself seized by embarassment. She felt the scarlet creeping up along her neck into her cheeks. She did not dare glance at Susette lest on her face she might see that same look of contempt with which the chauffeur had regarded her at the station. Or it might be pity she would see there and that would be worse.

"Can I help you any, miss?" the girl asked."

"No!" Lois' voice sounded strained, harsh, in her own ears. "No! I'll do for myself." She almost pushed the girl from the room and quickly closed the door. Then she threw herself into a chair, buried her burning face in her hands and let the tears of humiliation trickle through her fingers.

"Oh, what a little fool I was to let myself in for this," she murmured. "I shouldn't have come. I should have known—"

Suddenly pride dashed in to the rescue. She jerked up her head and dashed the tears away with a handkerchief. "I just won't let a thing like this get me," she said fiercely. "I'm as good as anyone else. I won't be crushed. I won't! I won't! I won't!"

She went back to the living room after a bit and her resolution was taxed at once. The simple, little house dress she wore was in striking contrast to the soft, clinging negligee Mrs. Gayton had donned. She searched her hostess' face, was relieved to find no patronizing or condescending look there and managed to relax when presently she found herself stretched out on a padded settee.

SUSETTE came to say the telephone was ringing and Mrs. Gayton went to answer it from the extension in her bedroom. She came back with a bit of an angry glint in her jade eyes.

"Neil Becker, insisting upon dinner and a cabaret or something of the kind afterwards. I tried to beg off. No use. The man's a mule when he gets his head set. You're included in the invitation."

"But, Mrs. Gayton, I—I—I—"

"I know. Haven't anything to wear. Don't let it worry you, darling. Between my clothes closet and Susette's skill with a needle we'll have you rigged out in no time. Tomorrow we'll get you things of your own. No, not a word out of you. I'm running this show. I think we'd best have the woman from the hair-dresser's up right away."

Hours later Lois stood before a full-length mirror and gazed in wonder at the girl who gazed back at her. From the top of her recently shampooed and waved brown hair with its shimmer of bronze to the tip of her neatly-shod little feet she was the picture of what Lois had fondly imagined only a princess could look like. She made little surreptitious motions so that they would be instantly duplicated in the mirror to convince her it was herself at whom she looked.

"You're a very pretty child in a very pretty dress," Mrs. Gayton told her. "Some kind fairy must have guided me when I picked that green thing in spite of the fact I knew it was not my color. You needn't feel embarrassed that someone will recognize it. I've never worn it."

"I think I must be dreaming," murmured Lois.

SHE STILL was thinking it when that evening she found herself one of a gay crowd in the night club which had been Neil Becker's choice. The three of them had come alone from the Congress hotel, where they had met Becker in glittering Peacock Alley, and his saturnine face had lighted up and his black eyes widened when he had caught sight of her in the green dress. On the way over in the car he had told her she looked wonderful and praised Mrs. Gayton for having done what he called a good job on her.

At the club a gala night of some kind seemed to be in progress. A mildly boisterous party at a big table promptly annexed them, shoving their own chairs closer so that three more might be squeezed in for them. Becker seated them, himself in the middle. On her other side Lois found a solidly built individual who might have been any age from forty-five up. Taking in his rather fatuous, pink, oval, smooth shaven face surmounted by a pink, oval, bald head, Lois might have wished for one of the younger, more handsome men around the table to have been in his place, but did not. Until the strange, out-of-place feeling of one to whom all this was new had worn off it was just as well.

The pink, bald one turned away after one or two banal remarks and she let her eyes rove around the table. The dozen or so she could see without craning her neck to glance past her immediate neighbors were the usual sort of well-dressed men and women one saw in the society scenes of the movies. Men in tuxedos,

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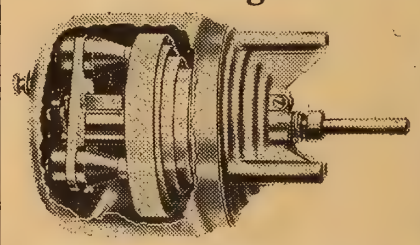

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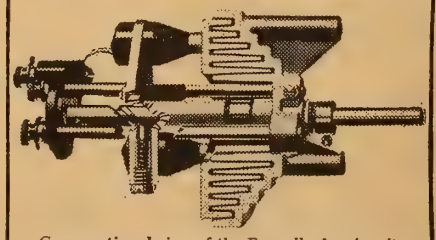

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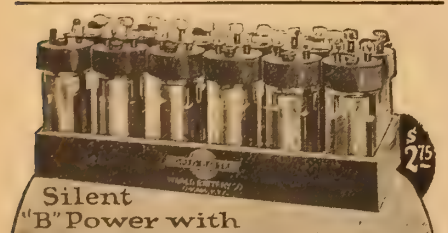

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(Continued from page 28)

women in gowns, sleeveless, low-cut; bare shoulders gleaming under the crystal lights, jewels sparkling on their fingers and bosoms and in their hair. All were talking animatedly, calling across the table, laughing a great deal, flinging little snatches of song at each other.

LOIS' eyes went past them to the rest of the huge room. More of the same kind of people, the same kind of activity. In one corner on a balcony a jazz orchestra, featured mostly by braying saxophones, was blaring and in a cleared space in the center far too many couples tried to dance at the same time.

A black-sleeved arm reached over her shoulder, poured into the glass before her a bubbling, light-colored liquid out of a napkin-covered bottle. She lifted the slender-stemmed glass to her lips. The little bubbles broke against her nose. She sipped at the liquid, found it agreeable and nice, drained the glass. The waiter filled it again immediately, but the pink one was talking to her now and she let it set.

"Time we were getting acquainted, little one. I don't think I've seen you before, have I? My name's Jermin, Victor Jermin. You're to call me 'Victor,' though. Understand? I don't answer to Mister—Jermin or anything else. What am I to call you?"

"Miss Sylvester," she told him.

"Now is that nice? Miss Sylvester? That don't go. What's your first name?"

She told him. "But I don't think we've known each other long enough for you to call me by that," she added.

That seemed to amuse him immensely. "It's a fast age we're living in, little one. It seems like an awful waste of time and breath to be using 'mister' and 'miss' and 'mistress' all the time. Just as you like, though, until we're better acquainted."

The lady on the other side claimed him again. Neil Becker was bent forward to speak across Mrs. Gayton to the man beyond her. Lois emptied the thin-necked glass again. The orchestra had gone into action and she began to sway slightly in tune with the music. Suddenly Becker turned to her.

"DANCE?" he asked, pushing back his chair.

"I never have, at least not the way they do," she said with a nod toward the struggling couples on the floor.

"Come try it, anyhow. You don't have to know how. Just let yourself go and follow where I lead. Why, you're keeping time to the orchestra with your shoulders right now. That's all that's needed. Come on."

Impulsively she got up and they threaded their way through the tables toward the dance floor. She was suddenly conscious of the fact that eyes were being turned in her direction, eyes of both men and women. She could not avoid them all and became aware that it was not what she feared, that they had recognized her for the little country girl that she was, that had drawn their attention. It was admiration; open, approving admiration by the men; unwilling, a bit tinged by jealousy, admiration by the women.

They were out upon the floor now, Becker whispering instructions in her ears, then "one, two" and they were off through the maze of others. She got the hang of it after a minute, let herself go as he had said, felt her feet young and eager for the music. Shyness and diffidence no longer claimed her, she felt

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George D. Hay

"THE SOLEMN OLD JUDGE"

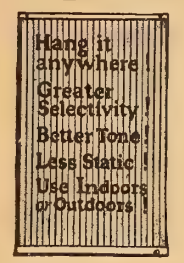
Price $1.25

Mail orders are being received by The McQuiddy Press, 110 Seventh Avenue North, Nashville, Tenn.

22½ Volt un-acid everlasting rechargeable **"B" STORAGE BATTERY** **$2.95** Includes Chemical

45 volts, $5.25; 90 volts, $10.00; 112½ volts, $12.50; 135 volts, $14.75; 157½ volts, $16.80. Truly the biggest buy today. Easily charged on any current including 32-volt systems. Any special detector plate voltage had. Tested and approved by leading authorities such as Popular Radio laboratories. Over 3 years sold on a non-red tape 30-day trial offer with complete refund if not thoroughly satisfied. Further guaranteed 2 years. Knockdown kits at great savings. Complete "Hawley" "B" battery charger, $2.75. Sampel cell, 35c. Order direct—send no money—simply pay the expressman cost on delivery. Or write for my free literature, testimonials and guarantee. Same Day shipments. B. Hawley Smith, 817 Washington Ave., Danbury, Conn.

50% BETTER Reception with EFFARSEE Antennae or Your Money Back!



That guarantee shows how certain we are that the wonderful new EFFARSEE Antennae will increase the power, range and selectivity of your set. The scientific design of this marvelous device, built on an entirely new principle with two specially made condensers, practically eliminates static and interference.

Don't Imperil Your Life

Why clutter up your home with ugly outside wires or masts? Why take a chance of death by a fall when erecting or repairing an outside aerial? Why deliberately attract the deadly lightning that may kill your whole family and burn your home? Just buy your EFFARSEE Antennae, shove it under a rug or put it in the attic, and enjoy perfect safety and get 50% better reception. No trouble—installed in 30 seconds—lasts forever. Radio manufacturers find it ideal for testing sets. Approved by Radio News, Popular Science, Popular Radio and other prominent Radio Magazines. Thousands of enthusiastic users.

SEND NO MONEY

Order your EFFARSEE Antennae today, at the special price of $4.00. If it does not improve the performance of your set at least 50 per cent, return it and we will refund your payment in full. *Send no money*—just your name and address. We'll send your EFFARSEE Antennae at once, and you can pay $4.00 to the postman on delivery. Remember, you take **Absolutely No Risk.**

FISHWICK RADIO CO., Dept. 8, Cincinnati, Ohio

A&B Battery Charger ONLY $2

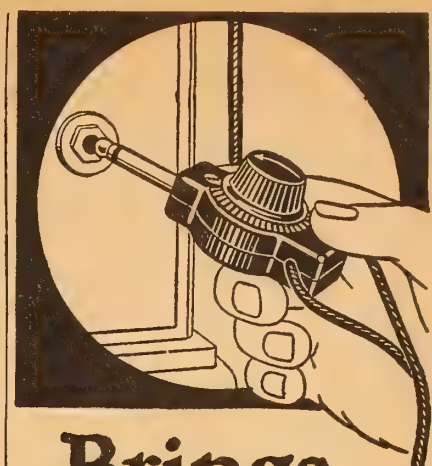
SATISFACTION GUARANTEED

Charges any type of storage A or B battery, using a few cents worth of ordinary house current, either alternating or direct. Cannot injure battery. Complete directions enclosed. Anyone can operate. No expensive "extras" to buy.

Why pay $10.00 to $15.00 for a charger when you can get this splendid GUARANTEED R.B. Charger by mailing us two dollars (bills, money-order, check or stamps) plus ten cents in stamps or coin to pay mailing costs. Charger will be sent postpaid. If not satisfied return within five days and we will refund your money. Order at once—TODAY.

R. B. SPECIALTY COMPANY

Dept. Y-7 — 308 East Third Street — CINCINNATI, OHIO



Brings Your Set Up To Date

THE only real advance claimed by the makers of this year's best sets is improvement in tone performance. This improvement can be made in your present set by simply adding the **Centralab Modu-Plug** This modernizing device makes your reception equal in tone performance to that of the latest high-priced receivers.

Modu-Plug is warranted by Central Radio Laboratories, makers of variable resistances for sixty-nine manufacturers of leading standard sets.

Centralab Modu-Plug replaces the loud speaker plug. Gives any degree of tone volume from a whisper to maximum by simply turning the small knob on the plug, without adjustments of other controls. Modu-Plug matches the speaker impedance to the output impedance of the set. Reduces interfering noises. Clarity and faithful reproduction equal the latest developments in perfected performance.

$2.50 at your dealer's, or mailed direct on receipt of price

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Canadian Representative—
Irving W. Levine,
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Great Britain Representative—
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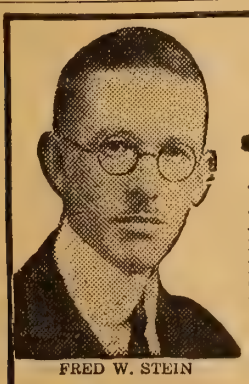
Centralab Radiohm permits clear, true-tone reception by holding the sensitive regenerative position which immediately precedes the oscillation point, without distortion or loss of selectivity. A standard unit on leading sets. Retail price, $2.00, at your dealer's or from us.

Centralab

Steinite AERIELIMINATOR Eliminates Outside Aerial



FRED W. STEIN

New principle does away with the troublesome outside antenna. Better, clearer reception, especially for summertime. Reduces static and outside noises. Improves reception of any tube or crystal set. If you don't find it improves your set wonderfully, get refund at once.

$1 Postpaid Anywhere **10-Day Free Trial Money-Back Guarantee**

No More Outside Aerial, Once You Install It

No more corrosion from the weather. Free from nearness of neighboring aerials and breakdowns that stop reception. No tools needed, no extra ground or tube—takes the place of your present aerial. Nothing to get out of order. No need now to delay owning a radio, because of aerial trouble. Operate a set in any room wired for lights. Attach and turn on—uses no current. Guaranteed not to use any amount of electricity. Two big banks say we are reliable. Order today on money-back guarantee, if not delighted. Dollar bill will do. ORDER TODAY.

STEINITE LABORATORIES, 40 Radio Bldg., ATCHISON, KANSAS

ORDER YOURS TODAY

Attaches to light socket—uses no current. Make comparison now with your present aerial at my risk.

The New Steinite 7-Tube Radio uses no batteries of any kind—only $125. Loud Speaker Built in. Complete with tubes $151 with nothing to buy. Operates from light socket le an hour. Write for descriptive literature before buying an expensive Battery Set. Also Steinite Long Distance Crystal Set $6—6-Tube Battery Set $45. WRITE TODAY.

PRICES CUT

World STORAGE BATTERIES at Cost!

LIMITED TIME OFFER!

For a limited time only, genuine World Storage Batteries can be gotten at actual cost. Every cent of profit has been cut out in order to keep our full factory organization busy during the slack season. Prices below are lowest in history.

World Batteries are nationally known for dependable, long wearing performance. Solid Rubber Case prevents acid and leakage.

Send No Money!

Just state battery wanted and we will ship same day order is received, by Express C.O.D. subject to examination on arrival. 5% discount for cash in full with order. Send your order *now* and get your World Batteries at actual manufacturing cost.

WORLD BATTERY COMPANY, 1219 So. Wabash Avenue, Dept. 48, Chicago, Ill.

2-Year Guarantee Bond in Writing

Approved and Listed as Standard by Leading Authorities including Radio News Laboratories, Popular Science Institute of Standards, Popular Radio Laboratories, Radio Broadcast Laboratories, Radio In The Home, and Lefax, Inc.

Solid Rubber Case Radio Batteries		Solid Rubber Case Auto Batteries
6-Volt, 100-Amperes $10.50	Set your Radio Dial for the new 1000 w. World Storage Battery Station WSBC, Chicago. Interesting programs every night.	6-Volt, 11-Plate $10.50
6-Volt, 120-Amperes $12.50		6-Volt, 13-Plate $12.50
6-Volt, 140-Amperes $13.25		12-Volt, 7-Plate $15.25

KDKA WSBC WEAF KYW

(Continued from page 29)

light and dreamy, floating off in a cloud somewhere, eyes half-closed.

Abruptly things seemed to change, for no reason at all. Becker had drawn her very close to him, so close that her movements no longer were free and untrammeled. His lean face was thrust almost against hers, his black eyes seemed to sear her.

"Sweetheart!" he said in a hoarse whisper. "Sweetheart!"

SHE twisted free from his arms, pushing him away from her with both hands against his chest, and stared at him out of outraged eyes. There was a bit of fear in them, too, for in the moment when he had caught her off guard the cold, unemotional mask that was his face had dropped and something very terrible had leered out at her from behind it.

Their stopping in the middle of the floor was causing confusion. Other couples, forced to dance shoulder to shoulder by the jam on the restricted floor, were bumping into them and caroming off to throw still others out of rhythm.

"It is too crowded," Becker was saying to her as if echoing something she herself had said. He spoke rather loudly, too loudly she fancied, and his face was once more calm, inscrutable, his eyes clear—the mask once more in place. "Let's get out of it."

His strong fingers gripped her by the elbow, propelling her ahead of him through the dancers and so back to their table. He smiled and made her a little bow as he pulled out her chair, again the polished gentleman who had led her away.

The thin-necked, flat-bowled glass was in front of her. Lois reached for it, became aware that her hand was trembling and emptied it quickly before her agitation should become apparent to everyone.

She glanced up as she set it down again and saw Raymond Lancaster gazing fixedly at her from an adjoining table.

IT was the champagne, Lois—and the evening is not half gone. You are learning. What will Raymond say? We will be interested to watch you through your next experience in the October 15 Radio Digest.

WAAM FAMILY STATION

(Continued from page 4)

it falls short of its mission. There should be more educational subjects on all Radio programs."

The Newark Technical College provides the mental pabulum for WAAM listeners through short Radio talks by members of its faculty. Among the subjects broadcast serially were The Human Machine and Trees. Miss Ada Bessie Swann, of the Public Service Corporation has conducted a Radio cooking school, said to be the oldest in the country. Through the Busy Beavers feature children have been entertainingly instructed in natural history and geography. Municipal Nights have provided city and state government information through talks by public officials. Miss Mildred Huntoon, city hostess, conducts a Chamber of Commerce feature for the Oranges and Maplewood in a specially established studio.

Despite the more sober features that have been described WAAM does not slack in its musical programs. Among the long list of musical organizations that are heard regularly are: Wallie Osborne and his Chateau Baltusrol Orchestra, Ray Nichols and his Four Towers Orchestra, Joe Brown's Orchestra, Bill Stanley and his East Orange Orchestra, Ernie Krickett and His Men, Red Naught and His Collegians, Frank Dailey and his Meadow Brook Orchestra, the Montroyal Orchestra, Tom Cooper and his Country Club Orchestra, and the Dorn-Bauer Orchestra.

A new device has recently been put into use by WAAM whereby "fade in" and "fade out" effects are produced in a manner corresponding to the fading effects in motions pictures. It seems especially useful where an illusion is desired such as the approach of an orchestra on a motor car. As the car is supposed to approach the volume of the music increases and as it recedes it dims away into the distance.

In a similar manner the bells of the Old First Church are "faded" into the program throughout the evening. At the opening of the program the bells ring out the hour, while music from the opening feature is heard faintly, gradually growing louder until the last clap of the bell.

There are seven remote controls broadcasting through WAAM; Four Towers in Cedar Grove, Chateau Baltusrol, Newark Y. M. C. A., Second Presbyterian Church, Orange Y. M. C. A. and the Public Service Bureau.

MISS AMERICA AT WPG

(Continued from page 5)

Torpadie, concert soprano; Judson House, operatic tenor; Arthur Kraft, concert tenor; Irene Williams, soprano star of Hinshaw's Opera; May Luka, soprano of the Royal Opera company of Prague, and Milo Luka, baritone of the Chicago Civic Opera company.

Coming from so many various sources WPG programs are operated through sixteen distinct controls. That the entertainment reaches far territory is indicated by messages received almost daily from the West Indies, Canal Zone, South America, Pacific Coast and as far north as Spotted Island Hospital, Labrador.

MAKE MONEY EVENINGS

Let me show you how 4364 men without experience are adding from $25 to $75 to their income each week without giving up their present position. Sell the fastest selling article today—radio. Demonstrate evenings. Five tube instruments as low as $25 and big commission to you. Exclusive territory to right men. Write today for 96-page book which tells how 4364 men have done it. Don't delay—territory going fast.
O. E. FISCHER, 122 W. Austin Ave., Chicago, Ill.

3 FOOT CONE SPEAKER

Fully Guaranteed; wonderful tone quality. Build it yourself; save money. Complete Parts and Blue Prints, only **$10**

A & B Battery Eliminator

Blue Prints show you how to construct your own eliminator. **Complete instructions and prints $2.** State type of current (Direct or Alternating) when sending order.
H. MARSCHNER, 1601 Macombs Rd., N.Y. City

—CONE UNIT—

For any cone up to 4-foot size. Gives wonderful tone at any volume. Sold on rigid money back guarantee. C. O. D. or Prepaid, $7.50.
TUNBAR RADIO CO.
Suite 203, 15 Park Row New York

NEW STATIC ELIMINATOR

Smith's underground aerial eliminates static and interference. Enjoy radio all the year. Recommended by authorities as the best. Very easy to install. No tools or soldering required. To be used with any set. Does away with outside aerial. This is not a fake. Price, $6.75 delivered. Write Smith's Lab., 676 Euclide Ave., Beaumont, Texas.

World's Finest Loud Speaker

A three-foot cone speaker—unit developed by the inventor of the Tropadyne. Easily assembled, saving 80% of the cost. Complete Kit with blue prints sold on rigid money-back guarantee. Shipped prepaid or C. O. D., $10.
Engineers' Service Company
25 Church St., New York

"Outsell, Because They Excel"

Empire *Ask The Man Who Uses Them*

All Types

Including NEW **Detector (EX-200A) High MU and Power Amplifier**
ASK FOR FOLDER "E"
Dealers and Jobbers Write for Prices
EMPIRE ELECTRICAL PRODUCTS COMPANY
Sales Office—132-134 Greene St., New York
Also Mfrs. of **Empire Cone** & Horn Speakers
Laboratories & Factory—Kearny, N. J.

American RADIO *Now—*
50% DISCOUNT ON RADIO!
BIG NEW 1927 CATALOG-FREE
AMERICAN AUTO & RADIO MFG. CO.
Dealers, Agents, Set Builders—get our big 1927 Catalog—225 nationally advertised lines. Lowest prices in America! Largest, most complete stock. Radio's latest developments. It's FREE—send for your copy now.
AMERICAN AUTO & RADIO MFG. CO., Inc.
1441-A McGee Street, Kansas City, Mo.

Andrews Radio Directory and LOG BOOK

Just what you've always needed—only log that helps you get all its possibilities out of your set. Users tune in obscure stations never heard before.
Cross Index and Charted Map
Every station listed 3 ways—by wave lengths, call letters, and cities, allowing its use with any program anywhere. Incorporates Broadcast Station Map. Lists all stations in U. S. A., Can., Mex. and Cuba. Always up-to-date and authentic as it is checked by latest Government Reports. Sold by radio and news dealers everywhere or by mail, postpaid on receipt of 25c in Stamps.
THE WAYNE-ANDREWS CO., INC.,
902 Andrews Bldg. Ft. Wayne, Ind.

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Salesman, Salesladies and Retail Merchants. My items fit all of you. Salesman averages $1.00 profit for every dealer called on. Costs dealer $2.00, he sells for $3.50, makes $1.50 on $2.00 invested. Salesman makes $1.00. If you are a Salesman or wish to become one. If you never sold anything in your life I will tell you how to make better than $100.00 a week. (Address)
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Tune by Wave Lengths
BRING IN STATIONS YOU NEVER HAD BEFORE
RADEX
Tuning Charts
Show wave length you are tuning to. Tell where to set dials for any station. Identify programs without announcement.
BROADCASTING MAP AND DISTANCES FOR ANY SET AND ANY DIAL
Fall Edition Now Ready
Send 25c, Coin or Stamps
RADEX, P. O. Box 143-P, Cleveland, O.

Classified Advertisements

NOW IS time to get that new set you have been planning on for so long. Sell your present set through a classified advertisement in Radio Digest. Others have done it. Radio Digest classified advertisements produce results, whether you have a Radio to sell or want to buy one.

Rates are twenty cents a word for each insertion. Five per cent discount for four insertions, 10 per cent discount for six insertions, 15 per cent discount for twelve insertions, 20 per cent discount for twenty-four insertions (each issue for 1 year). Name and address are counted. Two initials count one word. Cash must accompany order. Minimum of ten words. Objectionable and misleading advertisements not accepted.

Copy reaching us not later than September 25 will be in time for our October 15 issue.

RADIO DIGEST PUBLISHING CO., 510 No. Dearborn Street, Chicago

AGENTS WANTED

Agents—Big Seller—$20 Daily Easy selling Taylor Caps—made-to-measure—every man buys—some want 2 or 3 caps. Samples Free and Cap free to agents. Write quick for fast money making proposition. Taylor Cap Manufacturers, Dept. Q-56, Cincinnati, Ohio.

BLUE PRINTS

Complete instructions for building the Simplest Possible Super-Het. 16-page booklet containing instructions for building and an exact size template for drilling panel and base. How to build a loop. 35 cents. Book Dept., Radio Digest, 510 N. Dearborn St., Chicago.

DOGS

Beautiful registered bull pups, $15. Bulldogs, 501 Rockwood, Dallas, Texas.

MISCELLANEOUS

FREE Photos of Your Favorite Radio Stars. Write for offer. Circulation Department, Radio Digest, 510 N. Dearborn Street, Chicago.

PATENT ATTORNEYS

PATENT ATTORNEYS

PATENTS. Booklet free. Highest references. Best results. WATSON E. COLEMAN, Patent Lawyer, 644 G Street, Washington, D. C.

POSITION WANTED

MR. STATION MANAGER

My Hands—Experienced and Able—Are at your service. I can show you how to commercialize successfully. I have the BEST references in Radio broadcasting circles. Give me a chance; tell me your problem. I want to connect, under contract, with a real organization. Write Box XZ, c/o Radio Digest.

RADIO

600-MILE RADIO, $2.95. Needs no tubes nor batteries. Over 200,000 already sold. A real set, not a toy. Sent postpaid. Order direct from this ad. Crystal Radio Co., Wichita, Kansas.

Battery Eliminators. Attractive Discounts. Particulars Free. Radio Brokerage, Cedar Rapids, Iowa.

43-Plate Webster Condensers, $1.39. 23-Plate Webster Condensers, $1.29. All new. Closing out my stock. Bronsteins Pharmacy, 4600 Lincoln Ave., Chicago.

Prove your reception by the most practical and convenient method: Proof of Reception Cards. Contains spaces for complete reception record, dial settings and signature of announcer. Handy size, 3x5 inches. Send 25 cents for sample package. Radio, 2617 Hollywood Ave., Chicago.

Hoff's radio trouble finder for all circuits; log and station book dictionary illustrated. 50 cents. S. D. Curtis, 4254 St. Ferdinand, St. Louis, Mo.

TROUBLE-SHOOTING—Do it yourself, just off the press, valuable 24-page booklet, tells how to locate and clear radio trouble; What to do when set Goes Wrong; How to Test; written by nationally known authorities; ask your radio dealer for "Practical Guide for Every Radio Owner and Builder," or send 10c today to Universal Test Equipment Co., 2939 N. Oakley Ave., Chicago, Ill. Sold at all news stands in the City of Chicago.

Closing out all of my Radio stock. 200-ohm potentiometer with silver knob and dial, 10 cents; Howard rheostats 6½, 6¾ or 25-ohm, 75 cents; Filkostats, 50 cents; set eight lettered binding posts, 25 cents; variable condensers with dial and vernier. 13-plate, $1; 23-plate, $1.50; 4-inch black dials, 3—50 cents; 3-inch, 3—35 cents. Bronsteins Pharmacy, 4600 Lincoln Ave., Chicago.

SALESMEN WANTED

Make $100 WEEKLY in spare time. Sell what the public wants—long distance radio receiving sets. Two sales weekly pays $100 profit. No big investment, no canvassing. Sharpe of Colorado made $955 in one month. Representatives wanted at once. This plan is sweeping the country—write today before your county is gone. OZARKA, INC., 431 N. La Salle Ave., C, Chicago.

Gold Wave Aerial. Greatest Side Line out. Guaranteed to bring in more stations—gives greater distance and selectivity. Reduces static to a minimum. Sells all dealers handling Radio. Unlimited field. Big commissions and re-orders. Luxem & Davis Mfg. Co., 6231 Broadway, Dept. 60, Chicago.

RADIO SALESMEN—DISTRIBUTERS— DEALERS—Write quick for exclusive Agency absolutely new Patented Novel Attractive Receivers. Nothing like them ever offered before. Get in on the Ground Floor. RESEARCH DEPT., THE BRUSH POTTERY COMPANY, ZANESVILLE, OHIO.

STAMPS

Free—26 Different Unusual Foreign stamps. Denver Stamp Co., Denver, Colo.

RADIO BOOK FREE

Tells how you can make big money in world's newest and greatest field. Presents lifetime opportunity in Radio. Right now we want live agents and dealers in every locality, $60 to $100 a week easy.
40% to 60% Profit
FREE Simply send name for this big illustrated book explaining liberal profit proposition and how to get latest radio goods at wholesale. Also prices on parts, sets and accessories and amazing special offers—all free. Write today.
STANDARD RADIO CO.
1438 Walnut St., Kansas City, Mo.

Yale GROUND HOG DOUBLES POWER AND DISTANCE
The Perfect Ground

Marvelous newly-invented ground gives 100% improved reception. Doubles power and distance. Stops leakage. Reduces static. Stops jangling even in midsummer. Results never before equalled, users say. Satisfaction guaranteed.
Proven absolutely essential to clear, powerful distance reception. Draws and holds moisture indefinitely. Highly sensitive to radio energy. SEND NO MONEY—To introduce, we offer to those who act at once, regular $5.00 size for only $2.00. Send name today and pay $2.00 plus 17c postage on delivery. Or send only $2.00 with order and save postage.
FREE—Full description of Ground Hog and details of amazing special offer on request—write today.
Yale Specialty Supply Co.
123 W. 4th St., Kansas City, Mo.

Radiophone Broadcasting Stations

Corrected Every Issue—Part V—Oct. 1, 1926

State, City, Call

Alabama:
Auburn, WAPI
Birmingham, WBRC, WKBS
Gadsden, WJBY
Montgomery, WIBZ

Arizona:
Flagstaff, KFXY
Phoenix, KFAD, KFCB
Prescott, KPJM
Tucson, KGAR

Arkansas:
Fayetteville, KUOA
Hot Springs National Park, KTHS
Newark, KGCG

California:
Alma, KFQU
Avalon, KFWO
Bear Lake, KFXB
Berkeley, KRE
Burlingame, KFOB
Eureka, KFWH
Fresno, KMJ
Hollywood, KFQZ, KFWB, KMTR, KNX
Long Beach, KFON
Los Angeles, KFI, KFPR, KFSG, KHJ, KNRC, KTBI
Oakland, KFUS, KFUU, KFWM, KGO, KLS, KLX, KTAB, KZM
Oxnard, KFYF
Pasadena, KPPC, KPSN
Sacramento, KFBK
San Diego, KFBC, KFSD
San Francisco, KFRC, KGTT, KJBS, KPO, KUO
San Jose, KFAF, KQW
San Pedro, KFVD
Santa Barbara, KFHJ
Santa Maria, KSMR
South San Francisco, KFWI
Stockton, KWG
San Bernardino, KFWC

Colorado:
Colorado Springs, KFUM, KFXF
Denver, KFUP, KFVR, KLZ, KOA
Edgewater, KFXJ
Eugene, KFEL
Greeley, KFKA
Gunnison, KFHA
Trinidad, KFBS

Connecticut:
Hartford, WTIC
New Haven, WDRC
Stores, WCAC

Delaware:
Wilmington, WDEL

District of Columbia:
Washington, WMAL, WRC, WRHF

Florida:
Clearwater, WGHB
Fulford-by-the-Sea, WGBU
Jacksonville, WJAX
Miami, WQAM
Miami Beach, WIOD, WMBF
Pensacola, WCOA
St. Petersburg, WHBN, WJBB, WKBJ
Tampa, WDAE
Winter Park, WDBO

Georgia:
Atlanta, WDBE, WGST, WSB
Macon, WMAZ
Savannah, WEBZ

Idaho:
Boise, KFAU, KFDD
Kellogg, KFEY

Illinois:
Batavia, WORD
Carthage, WCAZ, WTAD
Chicago, KYW, WAAF, WBBM, WBBZ, WBCN, WCFL, WCRW, WEBH, WENR, WFKB, WGN, WHBL, WHBM, WHFC, WHT, WIBJ, WIBM, WIBO, WJAZ, WJBT, WKBA, WKBG, WKBI, WLIB, WLS, WLTS, WMAQ, WMBB, WMBI, WOK, WPCC, WQJ, WSAX, WSBC, WSWS
Decatur, WBAO, WJBL
Evanston, WEHS
Galesburg, WFBZ, WRAM
Harrisburg, WEBQ
Joliet, WCLS, WJBA, WKBB
La Salle, WJBC
Mooseheart, WJJD
Oak Park, WGES
Plainfield, WWAE
Rockford, KFLV
Rock Island, WHBF
Streator, WTAX
Sycamore, WJBN
Tuscola, WDZ
Urbana, WRM
Zion, WCBD

Indiana:
Anderson, WHBU
Culver, WCMA
Evansville, WGBF
Fort Wayne, WCWK, WOWO
Kokomo, WJAK
Indianapolis, WFBM, WKBF
Laporte, WRAF
Logansport, WIBW
South Bend, WSBT
Seymour, WFBE
Valparaiso, WRBC
West Lafayette, WBAA

Iowa:
Ames, WOI
Anita, KICK
Boone, KFGQ
Burlington, WIAS
Cedar Rapids, KWCR, WJAM
Clarinda, KSO
Council Bluffs, KOIL
Davenport, WOC
Decorah, KGCA
Des Moines, WHO
Fort Dodge, KFJY
Iowa City, KFQP, WSUI
LeMars, KWUC
Marshalltown, KFJB
Muscatine, KTNT
Oskaloosa, KFHL
Shenandoah, KFNF, KMA
Sioux City, KFMR, WEAU

Kansas:
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Independence, KFVG
Junction City, KFJC
Lawrence, KFKU
Manhattan, KSAC
Wichita, KFH, KFOT

Kentucky:
Louisville, WHAS, WLAP

Louisiana:
Kennonwood, KFDX
New Orleans, WABZ, WBBS, WCBE, WJBO, WJBW, WOWL, WSMB, WWL
Pineville, KFWU
Shreveport, KSBA

Maine:
Bangor, WABI
Orono, WGBX
Portland, WCSH

Maryland:
Baltimore, WBAL, WCAO, WCBM, WFBR
Takoma Park, WBES

Massachusetts:
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Fall River, WSAR, WTAB
Medford Hillside, WARC
New Bedford, WIBH, WNBH
Osterville, WJBX
South Dartmouth, WMAF
Springfield, WBZ
Taunton, WAIT
Webster, WKBE
Worcester, WTAG

Michigan:
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Berrien Springs, WEMC
Detroit, WCX, WGHP, WMBC, WWJ
East Lansing, WKAR
Escanaba, WRAK
Ferndale, WJAJ
Flint, WFDF
Grand Rapids, WBDC, WOOD
Lansing, WREO
Monroe, WKBL
Mt. Clemens, WABX
Owosso, WSMH
Petoskey, WBBP
Pontiac, WJR
Port Huron, WAFD
Royal Oak, WAGM
Ypsilanti, WJBK

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Collegeville, WFBJ
Fairmont, KFVN
Minneapolis, KFDZ, WAMD, WCCO, WDGY, WHDI, WLB, WRHM
Northfield, KFMX, WCAL
St. Cloud, WFAM
St. Paul, AV7, KFOY
Sihtipok, KIAF

Mississippi:
Coldwater, WREC
Oxford, WCBH

Missouri:
Cape Girardeau, KFVS
Carterville, KFPW
Columbia, KFRU
Independence, KLDS
Jefferson City, WOS
Joplin, KGBW
Kansas City, KMJP, KWKC, WDAF, WHB, WOQ
Kirksville, KFKZ
Moberly, KFFP
St. Louis, KFQA, KFUO, KFWF, KMOX, KSD, WEW, WIL, WMAY, WSBF
St. Joseph, KGBX
University City, KFVE

Montana:
Havre, KFBB
Missoula, KUOM

Nebraska:
Clay Center, KMMJ
David City, KFOR
Hastings, KFKX
Lincoln, KFAB, WFAV
Norfolk, WJAG
Oak, KFEQ
Omaha, KFOX, KOCH, WAAW, WNAL, WOAW
Shelby, KGBY
University Place, WCAJ
Wayne, KGCH
York, KGBZ

New Hampshire:
Laconia, WKAV

New Jersey:
Atlantic City, WHAR, WPG
Camden, WCAM
Cliffside, WPAP, WQAO
Elizabeth, WIBS
Jamaica, WMRJ
Jersey City, WAAT, WKBO
Lambertville, WTAZ
Newark, WAAM, WGCP, WNJ, WOR
North Plainfield, WEAM
Paterson, WODA
Red Bank, WJBI
Trenton, WOAX

New Mexico:
Albuquerque, KFLR, KFVY
State College, KOB

New York:
Bay Shore, WRST
Bound Brook, WJZ
Buffalo, WEBR, WGR, WPDQ, WSVS
Canton, WCAD
Cazenovia, WMAC
Flushing, WIBI
Freeport, WGBB
Ithaca, WEAI
Jamaica, WMRJ
Jamestown, WOCL
Kingston, WDBZ
Lockport, WMAK
Newburgh, WKBM
New York, WBBC, WBBR, WBNY, WBRS, WEAF, WEBJ, WFBH, WFRL, WGBS, WHAP, WHN, WJY, WLWL, WMCA, WMSG, WNYC, WRMU, WRNY, WSDA
Peekskill, WOKO
Richmond Hill, WAHG, WBOQ, WGMU
Rochester, WABO, WHAM, WHEC
Schenectady, WGY
Syracuse, WFBL
Tondi, WONK
Troy, WHAZ
Utica, WIBX
Wood Haven, WJBV
Woodside, WWRL

North Carolina:
Asheville, WABC
Charlotte, WBT, WJBG
Fort Bragg, AT9
Greensboro, WNRC
Raleigh, WRCO

North Dakota:
Bismarck, KFYR
Devils Lake, KDLR
Fargo, WDAY, WPAK
Grand Forks, KFJM

Ohio:
Akron, WADC
Bellefontaine, WHBD
Canton, AQ6, WHBC
Cincinnati, WAAD, WKRC, WLW, WSAI
Cleveland, WDBK, WEAR, WHK, WTAM
Columbus, WAIU, WEAO, WMAN
Dayton, AW5, WSMK
Hamilton, WRK, WSRO
Pomeroy, WSAZ
Springfield, WCSO
Steubenville, WIBR
Toledo, WABR, WTAL
Wooster, WABW
Yellow Springs, WRAV

Oklahoma:
Bristow, KVOO
Chickasha, KOCW
Norman, WNAD
Oklahoma City, KFJF, KFXR, KGCB, WKY
Tulsa, WLAL

Oregon:
Astoria, KFJI
Corvallis, KOAC
Portland, KFEC, KFIF, KFJR, KFWV, KGW, KOIN, KTBR

Pennsylvania:
Allentown, WCBA, WSAN
Altoona, WFBG
Elkins Park, WIBG
Grove City, WSAJ
Harrisburg, WABB, WBAK, WHBG, WPRC
Haverford, WABQ
Jeannette, WGM
Johnstown, WHBP
Lancaster, WGAL
Lewisburg, WJBU, WKJC
Oil City, WHBA
Parkesburg, WQAA
Philadelphia, WABY, WCAU, WFI, WHBW, WIAD, WIP, WLIT, WNAT, WOO, WRAX
Pittsburgh, KDKA, KQV, WCAE, WJAS
Reading, WRAW
Scranton, WGBI, WQAN
State College, WPSC
Wilkes-Barre, WBAX, WBRE

Rhode Island:
Cranston, WDWF
Pawtucket, WFCI
Providence, WCBR, WCBS, WCWS, WEAN, WJAR, WLSI, WRAH

South Carolina:
Charleston, WBBY

South Dakota:
Brookings, KFDY
Rapid City, WCAT
Vermilion, KUSD
Yankton, WNAX

Tennessee:
Chattanooga, WDOD
Knoxville, WFBC, WNOX
Lawrenceburg, WOAN
Memphis, WGBC, WHBQ, WMC
Nashville, WBAW, WDAD, WSM
Tullahoma, WCFT

Texas:
Amarillo, WDAG, WQAC
Austin, KUT
Beaumont, KFDM
Beeville, KFRB
Brownsville, KWWG
College Station, WTAW
Dallas, WFAA, WRR
Dublin, KFPL
El Paso, KFXH, WDAH
Fort Worth, KFQB, KFJZ, WBAP
Galveston, KFLX, KFUL
Greenville, KFPM
Houston, KFVI, KFYJ, KPRC, KTUE
San Antonio, KGCI, KGCM, WCAR, WOAI
San Benito, KFLU
Texarkana, KFYO
Waco, WJAD

Utah:
Logan, KFXD
Ogden, KFUR
Salt Lake City, KDYL, KFOO, KFUT, KSL

Vermont:
Burlington, WCAX
Springfield, WQAE

Virginia:
Norfolk, WBBW, WTAR
Radio, NAA
Richmond, WBBL, WRVA
Roanoke, WDBJ

Washington:
Everett, KFBL
Lacey, KGY
North Bend, KFQW
Olympia, KFRW
Pullman, KWSC
Seattle, KFOA, KGBS, KGCL, KJR, KOMO, KTW
Spokane, KFIO, KFPY, KHQ
Tacoma, KMO
Walla Walla, KOWW
Yakima, KFIQ

Wisconsin:
Beloit, WEBW
Camp Lake, WCLO
Eau Claire, WTAQ
Fond du Lac, KFIZ
Kenosha, WKDR
La Crosse, WKBH
Madison, WHA, WIBA
Marshfield, WGBR
Milwaukee, WHAD, WKAF, WSOE
Omro, WJBR
Poynette, WIBU
Sisibt, WBAR
Stevens Point, WLBL
Superior, WEBC
West De Pere, WHBY

Wyoming:
Laramie, KFBU

Alaska:
Anchorage, KFQD
Juneau, KFIU
Ketchikan, KGBU

Hawaii:
Honolulu, KGU

Philippine Islands:
Baguio, KZUY
Manila, KZIB, KZRQ

Porto Rico:
San Juan, WKAQ

Canada:
Brantford, CFGC
Burketon Junction, CKCW
Burnaby, CFVC, CJKC
Calgary, CFAC, CFCN, CNRC
Charlottetown, CFCY
Edmonton, CFCK, CJCA, CNRE
Halifax, CHNS
Hamilton, CHCS, CKOC
Huntsville, CHCO
Kamloops, CFJC
Kingston, CFMC, CFRC
London, CJGC
Moncton, CNRA
Montreal, CFCF, CHYC, CKAC, CNRM
New Westminster, CFXC, CFYC
Ottawa, CHXC, CKCO, CNRO
Prescott, CFLC
Preston, Ont., CKPC
Regina, CHWC, CKCK, CNRR
Saskatoon, CFQC, CHUC, CJWC, CNRS
South Lethbridge, CJOC
Summerside, CHLC
Thorold, CFKC
Toronto, CFCA, CHIC, CHNC, CJSC, CJYC, CKCL, CKNC, CNRT
Vancouver, CFCQ, CFDC, CKCD, CKFC, CNRV
Victoria, CFCT
Winnipeg, CKY, CNRW

Cuba:
Camaguey, 6YR, 7AZ, 7BY, 7CX, 7DW, 7SR
Santa Clara, 6BY, 6DW, 6EV, 6GR, 6GT, 6HS, 6JQ
Colon, 5EV
Havana, PWX, Q2LC, 1AZ, 2AB, 2BB, 2BY, 2CG, 2CX, 2EP, 2HP, 2JL, 2IP, 2LR, 2MG, 2MK, 2OK, 2OL, 2PK, 2RK, 2RM, 2RY, 2SZ, 2TW, 2UF, 2WW, 2XX
Mantanzas, 5AZ, 5BY
Santiago, 8AZ, 8BY, 8FU, 8IR, 8JQ
Tuinucu, 6XJ, 6KW

Mexico:
Chihuahua, CZF
Mazatlan, CYR
Mexico City, CYA, CYB, CYG, CYH, CYL, CYX, CYZ, CZA, CZE, XDA
Monterey, CYS
Oaxaca, CYF

STATION SCHEDULES

(Continued from last issue.)

CKCW, Burketon Junction, Ont., Can. 329.5m-910kc. 5,000 watts. Canadian Broadcasting Corp.

CKFC, Vancouver, B. C., Can. 410.7m-730kc. 50 watts. United Churches of Canada.

CKNC, Toronto, Ont., Can. 356.9m-840kc. 500 watts. Canadian National Carbon Co., Ltd. Announcer, R. H. Combs. Mon, 9-11 pm. Thurs, Sat, 8-10 pm. Eastern.

CKOC, Hamilton, Ont., Can. 340.7m-880kc. 50 watts. Wentworth Radio Supply Co., Ltd. Announcer, F. May. Slogan: "In the Garden of Canada." Mon, Sat, 6:15-7:15 pm, organ. Tues, Wed, Thurs, 5:30-6:30 pm. Fri, 6-7 pm. Sat, 4:30-5:30 pm. Sun, 2-3 pm. Eastern.

CKPC, Preston, Ont. 247.8m-1210kc. 7¼ watts. Wallace Russ.

CKY, Winnipeg, Man., Can. 384.4m-780kc. 500 watts. Manitoba Tel. System. Announcer, D. R. P. Coats. Slogan, "Manitoba's Own Station." Daily ex Sun, 10:50-11 am, time, weather; 12:30-1:30 pm, music, markets, lectures; 4-5, music, news, kiddies' story. Mon, Thurs, Sat, 8:30 pm, lecture; 9, music. Wed, 8:30 pm, CNRW program. Sun, 7 pm. Central.

CNRA, Moncton, N. B., Can. 322.4m-930kc. 500 watts. Canadian National Railways. Announcer, W. V. George. Slogan, "Voice of the Maritimes." Daily ex Sun, 2:45-3:45 pm. Tues, 7:30 pm. Fri, 9 pm. Atlantic.

CNRC, Calgary, Alta, Can. 434.5m-690kc. 500 watts. Canadian National Railways. Thurs, 7 pm, bedtime story; 9-11. Mountain.

CNRE, Edmonton, Alta., Can. 516.9m-580kc. 500 watts. Canadian National Railways. Fri, 7:30-8 pm, 8:30-10:30. Mountain.

CNRM, Montreal, Que., Can. 410.7m-730kc. 1,000-1,650 watts. Canadian National Railways. Announcer, J. S. McArthur. Thurs, 9 pm. Eastern daylight.

CNRO, Ottawa, Can. 434.5m-690kc. 500 watts. Canadian National Railways. Announcer, A. W. Ryan. Wed, Sat, 7:30 pm, markets, bedtime story; 8, 9, 10:30, dance program. Eastern.

CNRR, Regina, Sask., Can. 296.9m-1010kc. 500 watts. Canadian National Railways. Tues 8-10 pm. Mountain.

CNRS, Saskatoon, Sask., Can. 329.5m-910kc. 500 watts. Canadian National Railways. Daily, 2:30-3:30 pm. Mountain.

CNRT, Toronto, Ont., Can. 356.9m-840kc. 500 watts. Canadian National Railways. Announcer, E. W. Jackson. Fri, 6:30-12 midnight. Eastern daylight.

CNRV, Vancouver, Can. 291.1m-1030kc. 500 watts. Canadian National Railways. Announcer, G. A. Wright.

CNRW, Winnipeg, Man., Can. 384.4m-780kc. 500 watts. Canadian National Railways. Wed, 8:30 pm, bedtime story; 8:50, markets; 9, program. Central.

Cuba

PWX, Havana, Cuba. 400m-750kc. 500 watts. Cuban Telephone Co. International Tel. & Teleg. Corp. Mon, Tues, Sat, 8:30-11 pm. Wed, Sun, 8-10 pm, music. Eastern.

Q2LC, Havana, Cuba. 250m-1200kc. 50 watts. Luis Casas.

1AZ, Havana, Cuba. 275m-1090kc. 30 watts. Antonio Sarasola.

2AB, Havana, Cuba. 235m-1277kc. 10 watts. Alberto S. Bustamante.

2BB, Havana, Cuba. 255m-1176kc. 15 watts. Bernardo Barrie.

2BY, Havana, Cuba. 315m-952kc. 100 watts. Electrical Equipment Co. of Cuba. Mon, Thurs, 7-8 pm. Eastern.

2CG. Havana, Cuba. 350m-857kc. 15 watts. Humberto Giquel.

2CX, Havana, Cuba. 320m-937kc. 10 watts. F. W. Borton.

2EP, Havana, Cuba. 320m-845kc. 400 watts. El Pais.

2HP, Havana, Cuba. 295m-1016kc. 100 watts. Credito y Construcciones Co.

2JL, Havana, Cuba. 275m-1090kc. 5 watts. Jose Leiro.

2JP, Havana, Cuba. 270m-1110kc. 20 watts. Julio Power.

2LR, Havana, Cuba. 235m-1277kc. 10 watts. Jose Lara.

2MG, Havana, Cuba. 280m-1070kc. 20 watts. Manuel Y. Guillermo Salas Music Store. Announcer, Roger Morales. Daily 3-4 pm, music. One day each week, 8-11 pm. Eastern.

2MK, Havana, Cuba. 85m-3528kc. 20 watts. R. V. Waters.

2OK, Havana, Cuba. 360m-833kc. 100 watts. Mario Garcia Velez.

2OL, Havana, Cuba. 257-1170kc. 100 watts. Columbus Cycle Radio Co.

2PK, Havana, Cuba. 195m-1538kc. 10 watts. George A. Lindeaux.

2RK, Havana, Cuba. 320m-937kc. 100 watts. Raoul Karman. Casa De La Porte.

2RM, Havana, Cuba. 210m-1430kc. 10 watts. Rogelio Morales.

2RY, Havana, Cuba. 170m-1764kc. 5 watts. Salvador de la Torre.

2SZ, Havana, Cuba. 180m-1777kc. 10 watts. Homero Sanchez.

2TW, Havana, Cuba. 230m-1304kc. 20 watts. Roberto E. Ramirez.

2UF, Havana, Cuba. 282m-1060kc. 15 watts. Roberto E. Ramirez.

2XX, Havana, Cuba. 225m-1333kc. 5 watts. Antonio A. Ginard.

5AZ, Mantanzas, Cuba. 200m-1500kc. 20 watts. Ernesto V. Figueroa.

5BY, Mantanzas, Cuba. 190m-1580kc. 10 watts. Leon Gonzalez Velez.

5EV, Colon, Cuba. 360m-833kc. 10 watts. Leopoldo V. Figueroa. Sun, 9-11 pm. Eastern.

6BY, Santa Clara, Cuba. 260m-1153kc. 200 watts. Jose Ganduxe.

6DW, Santa Clara, Cuba. 225m-1333kc. 10 watts. Eduardo Terry.

6EV, Santa Clara, Cuba. 250m-1200kc. 100 watts. Maria Josefa Alvares. Daily, 10:30 pm.

6GR, Santa Clara, Cuba. 250m-1200kc. 10 watts. Luis del Castillo.

6GT, Santa Clara, Cuba. 190m-1580kc. 5 watts. Juan Pablo Ros.

6HS, Santa Clara, Cuba. 200m-1500kc. 10 watts. Santiago Ventura.

6JQ, Santa Clara, Cuba. 250m-1200kc. 10 watts. Eligio Cobelo Ramirez.

6KW, Tuinucu, Cuba. 338-890kc. 4,000 watts. Frank H. Jones. Slogan, "If You Hear the Koo of the Cuckoo You Are in Tune with Tuinucu." Daily 11:30-12:15 am. Eastern.

6XJ, Tuinucu, Cuba. 275m-1090kc. 100 watts. Frank H. Jones.

6YR, Camaguey, Cuba. 200m-1500kc. 20 watts. Diege Iborra.

7AZ, Camaguey, Cuba. 225m-1333kc. 10 watts. Pedro Nogueras.

7BY, Camaguey, Cuba. 235m-1277kc. 20 watts. Eduardo V. Figueroa.

7CX, Camaguey, Cuba. 85m-3528kc. 10 watts. Leonard B. Fox.

7DW, Camaguey, Cuba. 90m-3333kc. 10 watts. M. L. Quintana.

7SR, Camaguey, Cuba. 300m-1000kc. 500 watts. Salvador C. Rionda. Slogan, "Cuba, the Land of Sunshine, Sugar and Tobacco." Mon, Tues, Thurs, 8:30 pm. Eastern.

8AZ, Santiago, Cuba. 240m-1250kc. 20 watts. Alfredo Brooks.

8BY, Santiago, Cuba. 250m-1200kc. 100 watts. Alberto Ravelo.

8FU, Santiago, Cuba. 225m-1333kc. 15 watts. Andres Vinent.

8IR, Santiago, Cuba. 190m-1580kc. 20 watts. Ceferino Ramos.

8JQ, Santiago, Cuba. 275m-1090kc. 20 watts. Jose Fernandez Heredia.

Mexico

CYA, Mexico City, Mex. 265m-1130kc. 500 watts. Mon, Fri, 6:45-8 pm. Sun, 4-6 pm. Partido Liberal Avanzado. Mexican.

CYB, Mexico City, Mex. 270m-1110kc. 500 watts. El Buen, Tono. Tues, Thurs, Sat, 7:30-9 pm, concert. Mexican.

CYF, Oaxaca, Oax., Mex. 260m-1153kc. Federico Zorrilla, "The Voice from South of Mexico." Tues, Thurs, 7-8 pm. Sun, 8:30-10 pm. Mexican.

CYG, Mexico City, Mex. 300m-1000kc. 1,000 watts. Secretara de Guerra y Marina.

CYH, Mexico City, Mex. 305.9m-980kc-265.3m-1130kc. 500-1500 watts. Tarnava Y Cia. Daily ex Sun, 7:55-8:05 pm. Mon, Fri, 8:30-10 pm. Mountain.

CYL, Mexico City, Mex. 480m-625kc. 500 watts. La Casa del Radio. Announcer, George Marron. Slogan, "The Land of Eternal Summer." Daily ex Sun, 1:30-2 pm, weather, financial reports, music. Tues, Fri, 8-9:30 pm. Sun, 8-9:30 pm, church. Mexican.

CYR, Mazatlan, Sin., Mex. Rosseter Y Cia.

CYS, Monterey, Mexico. 310m-967kc and 408m-735kc. 250 watts. Tarnava & Cia. Slogan, "The Industrial Center of the Mexican Republic." Daily ex Sun, 7:55-8:05 pm. Mon, 8-9:30 pm. Mountain.

CYX, Mexico City, Mex. 333m-900kc. 500 watts. Excelsior & Revista de Revistas. Announcer, Rafael Hermandez dez Dominguez. Slogan, "Land of the Aztecs." Mon, 8-9:30 pm. Mexican.

CYZ, Mexico City, Mex. 400m-750kc. Liga Central Mexicana de Radio. Mexican.

CZA, Mexico City, Mex. 70-500-1,070 meters. Aviation Dept., War Ministry. Announcer, Ricardo S. Bravo. Daily, 12:30-1 pm, time, weather, news; 6:30-7:30, time, markets, music. Mexican.

CZE, Mexico City, Mex. 350 meters. 500 watts. Secretary Public Education. Daily ex Sun, 8 pm. Mexican.

CZF, Chihuahua City, Mexico. 310m-967kc. 250 meters. Announcer, C. A. Nieto. Slogan, "United by Radio." Tues, 8-9:30 pm. Mountain.

XDA, Mexico City, Mexico. Variable wave. 4,000 watts. Government station. Slogan, "Radio Chapultepec." Mexican.

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The World's Greatest Radio

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In every great industry one company eventually brings forth one product which stands far ahead of all competition.

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But now

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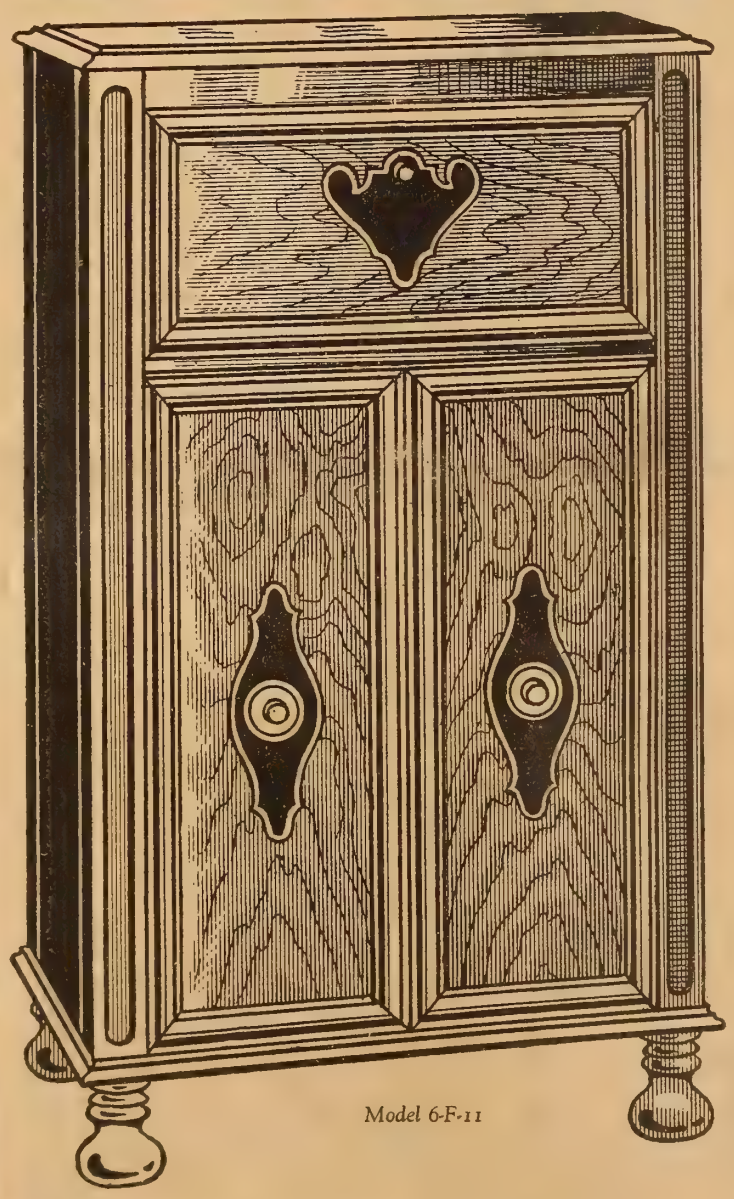
It is the most perfect radio that has ever been designed. It is massive—it is beautiful. It is just what you want for your home. For no matter how exquisite your furnishings are, this artistic genuine mahogany upright console will lend additional beauty. And yet, it is priced so moderately that almost every family can easily afford to own one.



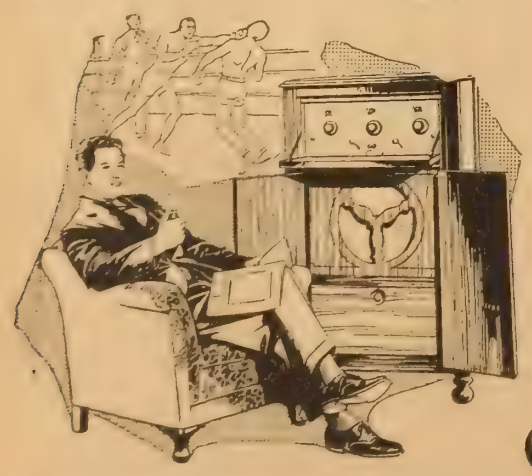
Model 6-F-11

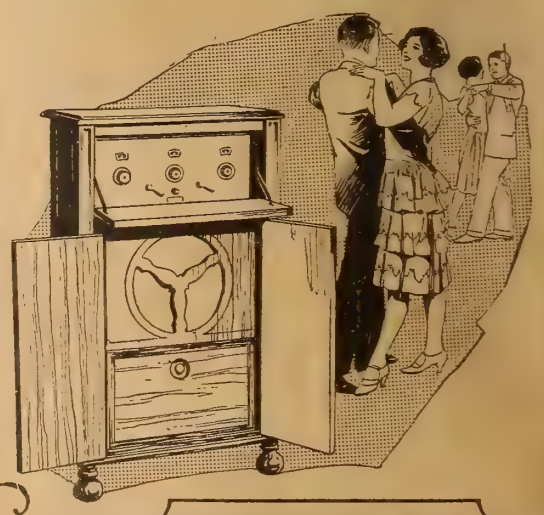
—the thing that makes it wonderful is its tone quality. The large cone speaker has been designed to exactly match Freshman's new QUALITY radio receiver. This special cone speaker easily handles the full power that this new set delivers.

Yet, in spite of its ability to handle great volume, when the power is reduced the softest and mellowest tones come forth in a manner never before achieved by any sound producing device.

Simplicity

Its ease of operation, with its three distinct controls allows any novice to tune in the station wanted day after day at the same points on the dials. This efficient means of operation eliminates the overlapping of wave lengths, which assures distinct separation of one broadcasting station from the others. It truly is the world's greatest radio.





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are recommended for use with Freshman Masterpiece Receivers.

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